

1981

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

WAY 1-23, BULL 1-5, CLIMAX 1-11

POST 1 AND MACC MINERAL CLAIMS

LIARD MINING DIVISION, BRITISH COLUMBIA  
N.T.S. 104-O-16E and W  
Latitude: 59°56'N; Longitude 130°15'W

OWNER: REGIONAL RESOURCES LTD.

UNDER OPTION TO

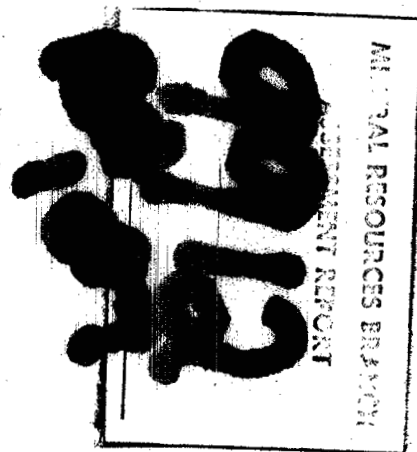
AMAX OF CANADA LIMITED

OPERATOR: REGIONAL RESOURCES LTD.

CONSULTANT: CORDILLERAN ENGINEERING

BY

CORDILLERAN ENGINEERING  
1418-355 Burrard Street  
Vancouver, B.C. V6C 2G8



DATE SUBMITTED: DECEMBER, 1981

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**ACCOMPANYING REPORTS:**

RE: AIRBORNE GEOPHYSICS:

1981 GEOPHYSICAL ASSESSMENT REPORT

Midway Property

By: J.L.LeBel, AMAX, Vancouver and  
Dighem Limited, Toronto

RE: GROUND EM:

GEOPHYSICAL REPORT on a  
PULSE ELECTROMAGNETOMETER SURVEY

Midway Property

By: Glen E.White Geophysical Consulting  
Date of Report: October 28, 1981

RE: GRAVITY:

MIDWAY PROPERTY GRAVITY SURVEY

By: Ager, Berretta & Associates Inc.

Date of Report: November, 1981

## 1.0

# I N T R O D U C T I O N

The Way, Bull, Climax, Post and Macc mineral claims, which comprise 74% of the Midway property, are located approximately 85 km west of Watson Lake, Yukon Territory and immediately south of the Yukon-B.C. border (Figure 1). Access is via a four wheel drive road which extends for 40 km south along the Tootsee River from kilometre post 1136 on the Alaska Highway. The B.C. portion of the property consists of 680 units and 1 fraction (Table 1 and Figure 1) which cover moderately mountainous terrain. Elevations range from 900 m to 2050 m above sea level. Approximately 40% of the area is above tree line.

### 1.1 HISTORY

One small area of the Midway property known as the Silvertip, had work done on it (mapping, geochemical and geophysical surveys, tunnelling and diamond drilling) between 1956 and

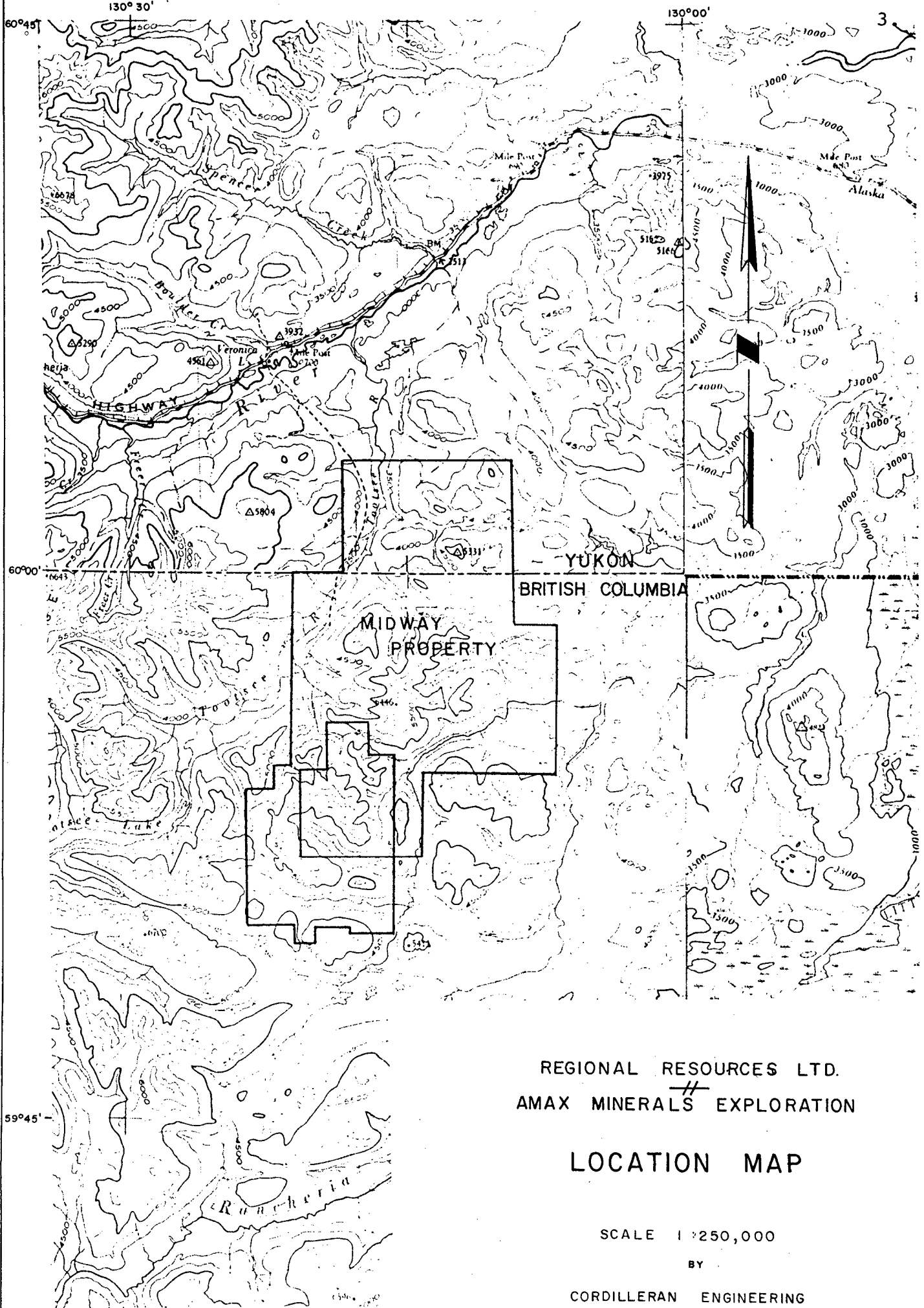
TABLE I

B.C. CLAIMS, MIDWAY PROPERTY

NTS 1040-16E and W  
Liard Mining Division  
681 Claim Units

<u>CLAIM NAME</u>	<u>NO. UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
Way # 1	20	1684	October 20, 1981
Way # 2	20	1685	October 20, 1981
Way # 3	20	1686	October 20, 1981
Way # 4	20	1687	October 20, 1981
Way # 5	20	1688	October 20, 1981
*Way # 6	20	1726	November 26, 1981
*Way # 7	20	1727	November 26, 1981
Way # 8	20	1728	November 26, 1981
Way # 9	15	1729	November 26, 1981
Way #10	20	1730	November 26, 1981
Way #11	20	1731	November 26, 1981
*Way #12	15	1732	November 26, 1981
Way #13	20	1733	November 26, 1981
Way #14	20	1734	November 26, 1981
*Way #15	20	1735	November 26, 1981
*Way #16	20	1736	November 26, 1981
Way #17	20	1737	November 26, 1981
*Way #18	20	1738	November 26, 1981
*Way #19	20	1739	November 26, 1981
Way #20	20	1740	November 26, 1981
Way #21	20	1741	November 26, 1981
*Way #22	10	1742	November 26, 1981
*Way #23	18	1743	November 26, 1981
Bull #1	12	1705	November 12, 1981
Bull #2	20	1706	November 12, 1981
*Bull #3	16	1707	November 12, 1981
Bull #4 Fr	1	1725	November 26, 1981
*Bull #5	12	1959	July 21, 1982
*Climax # 1	8	1716	November 26, 1981
Climax # 2	20	1709	November 12, 1981
Climax # 3	20	1710	November 12, 1981
Climax # 4	20	1717	November 26, 1981
Climax # 5	20	1718	November 26, 1981
*Climax # 6	15	1719	November 26, 1981
*Climax # 7	15	1720	November 26, 1981
Climax # 8	15	1721	November 26, 1981
*Climax # 9	15	1722	November 26, 1981
Climax #10	20	1723	November 26, 1981
Climax #11	6	1724	November 26, 1981
Macc	4	756	April 02, 1982
Post #1	4	1708	November 12, 1981
<b>TOTAL</b>	<b>681 Units</b>		

\*Claims in possible contravention of Section 6(2) of the Mineral Act.



REGIONAL RESOURCES LTD.  
AMAX MINERALS EXPLORATION

# LOCATION MAP

SCALE 1:250,000

BY

CORDILLERAN ENGINEERING

NOVEMBER 1981

FIGURE 1



and 1968 by a number of companies. The results have been reviewed by Holland, 1968. During the summer of 1980 Cordilleran Engineering personnel, acting for Regional Resources Ltd., conducted a stream sediment sampling program in southern Yukon and northern B.C. They found a small massive sulphide showing immediately north of the previous Silvertip property and scattered outcrops of baritic and pyritic-siliceous exhalites within the area of the claims subsequently staked.

In February, 1981, Regional Resources Ltd. optioned the property to AMAX of Canada Limited and engaged Cordilleran Engineering to manage exploration of the Midway property.

#### 1.2 GEOLOGY

Approximately 1700 ha were mapped at a scale of 1:5000.

#### 1.3 GEOCHEMISTRY

Approximately 5475 soil samples were collected, dried, screened, and analyzed for Pb, Zn, Ag and Ba.

#### 1.4 GEOPHYSICS

778 line km of airborne EM and magnetometer survey was flown. Ground surveys totalled 10.6 km of EM and 7.6 km of gravity.

### 1.5 PROSPECTING

Approximately 1700 ha were prospected.

### 1.6 GRID ESTABLISHMENT

40.6 km of baseline were cut and picketed, 229 km of crossline flagged and blazed, and 31.2 km of tieline measured. 7.6 km of line was cut and chained for geophysical surveys.

### 1.7 TRENCHING AND ROADWORK

A hydraulic backhoe was used to excavate 6 pits and 14 trenches (5382 m<sup>3</sup>). A D-6 tractor built 1.25 km of access, rebuilt 3.0 km of existing road, prepared trench sites, built 6 drill pads and moved the diamond drill.

### 1.8 CONTROL SURVEY

Fifty points were surveyed and tied into the B.C. control survey. An additional 21 points were calculated.

### 1.9 DIAMOND DRILLING

A total of 851.3 m of NQ and 5.7 m of BQ in six holes were drilled.

## 2.0

## G E O L O G Y

2.1 REGIONAL GEOLOGY

The regional geology in the area of the Midway property consists of Lower and Middle Paleozoic sediments intruded on the west by the Cassiar Batholith of Cretaceous age.

Lower Cambrian rocks consist of limestone and minor dolostone, slate and phyllite. These rocks are altered to marble and skarn near the contact of the batholith. Cambrian to Middle Silurian rocks are mainly slate, phyllite and limestone locally altered to hornfels and skarn. Silurian to Middle Devonian rocks consist of dolostone and quartzite. These Lower Paleozoic sediments were probably deposited in shallow water on the upper continental slope, forming a carbonate platform.

Upper Devonian and Lower Mississippian strata consist of a thick section of argillite, sandstone, and local conglomerate beds, overlain by volcanic intrusive and extrusive rocks of various compositions. The clastic rocks were deposited by turbidity currents in an offshore basin or trough which probably developed by subsidence of fault-bounded blocks, possibly associated with a rifting center.

Stratiform massive sulphide (pyrite-sphalerite-galena), barite and siliceous, pyritic beds occurring at various levels within the clastic sequence are believed to have been precipitated from brines exhaled onto the sea floor through conduits along deep-seated boundary faults.

## 2.2 PROPERTY GEOLOGY

The Midway property covers most of the clastic unit exposed in the area. Approximately 5% outcrop exposure is predominantly confined to ridges and steep bluffs. Exploration targets are shale-hosted stratiform Pb-Zn-Ba deposits comparable to those found in Macmillan Pass, Y.T. and Gataga, B.C. areas.

The initial phase of the mapping program consisted of measuring sections, wherever adequate exposure could be found. A stratigraphic column was derived and subdivided into units (Figure 2). Surface mapping of the claim block at a scale of 1:5000, using the lithologies and units in Figure 2, was completed by late August. The 1:5000 data was compiled and reduced to 1:10000 (Plates 2 to 6). In addition, all trenches were mapped at a scale of 1:100 and compiled at 1:500 (Plates 7 and 8).

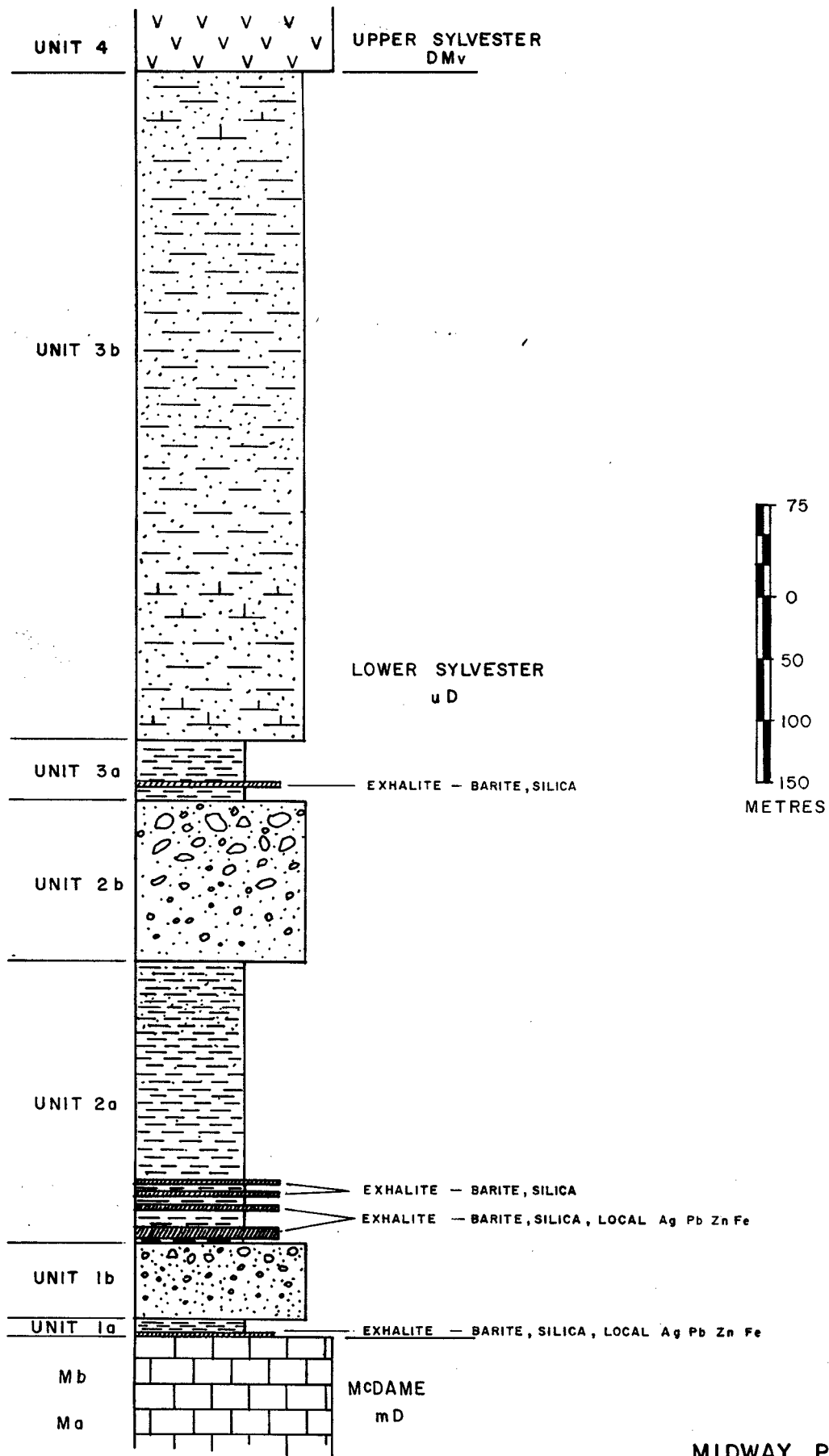
## 2.3 STRATIGRAPHY

Descriptions of the various lithologies in the stratigraphic section (Figure 2) follow.

### **McDAME GROUP** Middle Devonian

Unit Ma 50 m+

Clean, white, coarse grained quartzite. Massive with well rounded, welded quartz grains.



MIDWAY PROPERTY

STRATIGRAPHIC SECTION

NOVEMBER 1981

FIGURE 2

Unit Mb 500 m+

Fetid dolostone and calcite dolostone. Massive to well laminated, light to medium grey, locally fossiliferous and bioturbated. Abundant crackle breccia and pressure solution features.

**LOWER SYLVESTER GROUP** Upper Devonian-Lower MississippianUnit 1a 10-30 m

Weakly to highly carbonaceous, weakly to highly siliceous, locally pyritic argillite. Massive to weakly laminated with local sandstone interbeds.

Near the base of Unit 1a a one to two metre thick sulfide bed (Fe,Pb,Zn,Ag) occurs locally, grading laterally into siliceous pyritic exhalite (see Mineralization).

Unit 1b 30-160 m

Moderately siliceous massive and laminated sandstones with minor interbedded argillite and conglomerate. Graded bedding is common, often grading upwards through fine conglomerate and massive sandstone, parallel laminated sandstone, and cross laminated sandstone with an occasional thin argillite cap. Disseminated pyrite is locally abundant in sandstone. The contact with Unit 1a is moderately gradational, whereas the contact with Unit 2a is sharp.

Unit 2a 70-150 m

Weakly to moderately carbonaceous, weakly to highly siliceous, moderately to strongly laminated argillite with interbedded parallel and cross-laminated sandstone. Sandstone content increases toward the top of this unit grading into Unit 2b. A 20 m - 100 m thick section at the base of Unit 2a is highly siliceous with local interbeds of calcareous sandstone. This section hosts several siliceous, pyritic, baritic exhalite horizons and locally two stratiform sulfide beds (see Mineralization).

Unit 2b 70-150 m

Moderately siliceous massive and laminated sandstones with minor interbedded argillite and conglomerate. Very similar to Unit 1b. Finely disseminated pyrite occurs locally. Graded bedding is common. Fossil wood fragment casts occur locally in sandstone beds. There is a coarsening upward trend within Unit 2b, but the contact with Unit 3a is abrupt.

Unit 3a 0-30 m

This unit of moderately to highly carbonaceous and moderately to highly siliceous argillite locally overlies Unit 2b. It is massive to strongly laminated with local interbeds

of calcareous sandstone and one or more thin beds of siliceous, baritic exhalite. This unit resembles the siliceous section at the base of Unit 2a.

Unit 3b 650-700 m

This unit is predominantly interbedded phyllite and quartzite (meta-sandstone?) with local beds of calcareous sandstone, argillite and green chert. Rocks of this unit appear more metamorphosed than those of underlying units. Some phyllitic rocks contain abundant disseminated pyrite cubes, up to 3 centimetres wide. Cyclical sequences consisting of quartzite overlain by calcareous sandstone and phyllite are common. These may represent graded sandstone and shale beds.

Unit 4 300 m+

This unit consists of basalt, dacite and rhyolite flows, and coarse grained equivalent intrusive rocks. Minor phyllite and chert occur in the transition zone above Unit 3b. Pyroxenite and peridotite sills and plugs locally intrude the volcanic rocks.

## 2.4 STRUCTURE

The Midway property covers a broad, open, northwest trending synform, with the limbs dipping 20° to 30° toward the middle of the property (Plates 2 to 6). This structure parallels the contact of the Cassiar Batholith to the west, and local small-scale folds show the same orientation. The core of the downwarp consists of a thick section of Units 3 and 4, and the older units (1 and 2) are exposed on the east and west sides of the property.

Upper Devonian Sylvester Formation sediments were deposited within a basin or trough which may have developed by downward movement along steeply dipping boundary faults. Several major faults are shown on the geology maps (Plates 2 to 6), and most are steeply dipping with predominantly vertical displacement. A set of north to northwest trending faults

between the Discovery Showing Area and the Bonsai Valley (Plate 4) probably delineate the southwest boundary of the basin. These faults generally juxtapose McDame limestone and Sylvester clastics, indicating displacements up to 350 metres. A similar group of north to northwest trending faults in the northeast part of the property (Plate 3) probably mark the northeast boundary, suggesting a basin width of about 14 kilometres.

Abundant northeast-trending faults occur throughout the property. They are at right angles to the contact of the Cassiar batholith and may represent tensional fractures caused by intrusion. Most of these faults are steeply dipping and some have vertical displacements up to 300 metres.

In the Discovery Showing Area (Plate 7) bedding attitudes are fairly consistent, striking about  $180^{\circ}$  with an average dip of  $30^{\circ}$  to the east. Attitudes vary locally in surface exposures and minor folding in trench 10 produces some westerly dips. Diamond drill results (Plates 9 to 12) indicate uniform dips averaging  $27^{\circ}$  to the east.

A shallow-angle fault, sub-parallel to bedding, delineates the Discovery Zone - hanging wall contact, and locally truncates the zone as at the north end of trench 3. Strata below this fault strike approximately  $060^{\circ}$  and hanging wall rocks strike approximately  $180^{\circ}$ . There is no evidence of this fault dislocating strata in any of the drill holes which intersected the Discovery Zone down dip. North-trending faults near each end of trench 3 dip about  $65^{\circ}$  to the east. Interpretation of drill results (Plates 9 to 12) suggest there has been about 50 metres of vertical displacement



on the westernmost fault, bringing the east side down relative to the west. A northwest-trending fault south of the showing appears to dip steeply, and has a right lateral displacement of about 200 metres.

## 2.5 MINERALIZATION

Pyrite, sphalerite and galena occur as stratiform laminated mineralization, and also as vein-hosted disseminated to massive sulfides. Laminated sulfides are locally present in siliceous, baritic and/or calcareous horizons referred to as exhalites in this report. Veins of galena, sphalerite, pyrite and quartz generally crosscut bedding and range from hairline to several metres in thickness. Silver is an important constituent in both modes of mineral occurrence. Thicker mineralized veins are concentrated in the area of the old Silvertip workings on the Macc claims (Plate 2) explored during the 1950's and 60's. Current exploration is directed toward delineating stratiform massive sulfide mineralization.

Exhalites are divided into four categories on the basis of mineral content. Siliceous exhalite consists of 30 to 100 weight percent massive to laminated silica with local laminated or disseminated pyrite, sphalerite, galena, and/or barite. Baritic exhalite contains at least 20 weight percent massive, laminated or nodular barite with local silica, sulfides, and/or calcite. Calcareous exhalite is similar to the above with greater than 30 weight percent calcite. Sulfide exhalite contains more than 50 weight percent pyrite, sphalerite and/or galena, with abundant silica and possible barite. All four of these lithologies

are believed to have formed by chemical precipitation from brines exhaled onto the sea floor. An exhalite horizon may vary in composition laterally or vertically from one end member to another, due to variation in the composition of the brine during deposition, or a change in the chemistry of the depositional environment.

Exhalites have been located in Units 1a, 2a, and 3a (Figure 2) in two principal areas on the property. Along the northeast side of the property between the border and Canyon Creek (Plate 3) outcrops of baritic exhalite, siliceous exhalite, and minor calcareous exhalite are present locally. The major exposure is the 4 metre thick Ewen Barite showing within Unit 2a. This horizon has been traced in float and outcrop over a strike length of 5 kilometres. It consists predominantly of baritic exhalite with local interbedded calcareous exhalite.

Thin siliceous exhalite beds are exposed southwest of this showing, within Units 1a and 3a. Exhalites examined on the northeast side of the property contain local disseminated pyrite, but no sphalerite or galena has been located to date.

Siliceous and baritic exhalite horizons extend along 14 kilometres of strike length in the southwest part of the property (Plates 2 and 4). Several horizons in Unit 2a and one in Unit 1a may correlate to horizons seen to the northeast, over 10 kilometres away.

In the Discovery Showing Area (Plate 7) trenching and diamond drilling have confirmed the presence of four mineralized horizons, one within Unit 1a and two near the

base of Unit 2a. These sulfidic exhalites may correlate to siliceous or baritic exhalites seen elsewhere on the property. Diamond drill sections (Plates 9 to 12) illustrate the three zones and Table 2 presents the drill core assay results.

The Lower Zone, which has only been observed in drill core, occurs at the contact of McDame limestone and Unit 1a. Drilled intersections from 0.95 metres to 1.50 metres thick consist of weakly bedded to brecciated pyrite, sphalerite and galena in an argillic matrix. The sulfide breccia locally contains carbonate fragments and is overlain by several metres of carbonaceous argillite. In four of the six drill holes a dry cavernous opening 15 cm to 150 cm wide was encountered near the Sylvester-McDame contact.

The Discovery Zone occurs near the base of Unit 2a and varies from about 0.5 metres thick in surface exposure to 8.90 metres true thickness in drill core. It consists of finely laminated pyrite, sphalerite, galena and silica, with local coarse cubes of pyrite overgrowing the original stratification. The mineralized horizon is underlain by one to three metres of highly carbonaceous argillite with abundant quartz veins with local sulfides, and narrow sulfide beds. It is overlain by sand-banded argillite and calcareous sandstone. Abundant veins of argentiferous galena and sphalerite less than one millimetre to 20 centimetres in thickness cut the strata in the lower part of Unit 2a.

The Upper Zone exposed in trenches consists of light grey, highly clay-altered material with interbedded rusty weathering siliceous exhalite. Clay-rich bands react strongly with

**TABLE 2**  
**SUMMARY OF DIAMOND DRILL RESULTS**

	(feet) FROM - TO	INTERCEPT	TRUE WIDTH	% Pb	% Zn	Comb % Pb-Zn	oz/Ton Ag
<b>DDH MW 81-1</b>							
UPPER ZONE	110.6-115.8'	5.2'	4.8'	0.39	2.71	3.10	0.63
DISCOVERY ZONE	160.1-176.2'	16.1'	15.1'	0.36	6.98	7.34	1.83
	<u>or</u> 167.7-176.2'	8.5'	8.0'	0.36	9.69	10.05	2.00
LOWER ZONE	406.0-410.0'	4.0'	3.8'	3.62	6.24	9.86	4.38
<b>DDH MW 81-2</b>							
UPPER ZONE	159.0-160.4'	1.4'	1.3'	1.40	1.22	2.62	0.90
DISCOVERY ZONE	212.0-229.5'	17.5'	17.3'	1.05	3.51	4.56	2.89
	<u>or</u> 218.9-229.5'	10.6'	10.5'	1.07	5.11	6.18	3.06
LOWER ZONE	465.9-469.0'	3.1'	2.9'	1.70	3.02	4.72	2.91
<b>DDH MW 81-3</b>							
UPPER ZONE	145.1-154.7'	9.6'	9.2'	1.25	4.24	5.48	1.61
DISCOVERY ZONE	206.6-243.3'	36.7'	36.4'	1.49	4.52	6.01	2.02
	<u>or</u> 224.5-243.3'	18.8'	18.6'	2.58	6.29	8.87	2.85
LOWER ZONE	373.1-381.1'	8.0'	7.7'	10.32	4.92	15.24	14.14
	<u>or</u> 373.1-377.8'	4.7'	4.5'	16.48	6.91	23.39	22.59
<b>DDH MW 81-4</b>							
UPPER ZONE	193.9-195.9'	2.0'	1.9'	0.45	12.70	13.15	1.78
DISCOVERY ZONE	257.2-275.6'	18.4'	17.7'	1.13	5.99	7.12	2.63
	<u>or</u> 267.4-275.6'	8.2'	7.9'	2.08	10.15	12.23	5.03
LOWER ZONE	N o L o w e r Z o n e						
<b>DDH MW 81-5</b>							
UPPER ZONE	117.1-123.0'	5.9'	5.6'	0.97	5.31	6.28	1.86
DISCOVERY ZONE	192.1-215.3'	23.2'	22.2'	0.67	8.62	9.29	2.52
	<u>or</u> 195.1-206.1'	11.0'	10.5'	1.14	12.22	13.36	3.97
LOWER ZONE	386.6-390.9'	4.3'	4.0'	0.84	1.81	2.65	1.24
<b>DDH MW 81-6</b>							
UPPER ZONE	230.4-241.1'	10.7'	10.4'	1.28	2.96	4.24	2.29
	<u>or</u> 234.7-237.9'	3.2'	3.0'	3.42	8.19	11.61	6.52
DISCOVERY ZONE	264.6-279.7'	15.1'	14.7'	0.42	1.64	2.06	1.26
LOWER ZONE	N o L o w e r Z o n e						

lead-test solution indicating the presence of cerussite. Diamond drill intersections of the Upper Zone vary from 0.40 m to 3.17 m in thickness and resemble the Discovery Zone, with interbedded sulfidic and siliceous exhalite. Pyrite, sphalerite and galena occur as fine laminations and as coarse disseminated grains and masses within a silica matrix.

Drilling and trenching information suggests that all three of the zones have good potential to thicken and increase in grade along strike to the south and down dip to the east. Favourable stratigraphy with mineralized exhalite fragments occurs on the top of Silvertip Hill (Plate 8) and indicates 1500 metres of potential strike extension from the Discovery Showing area.

### 3.0

## G E O C H E M I S T R Y

Reconnaissance prospecting of the claimed area during the stream sediment sampling and staking programs in 1980 defined two large areas containing stratiform baritic and pyritic-siliceous exhalite horizons. These areas occupy the northeast and southwest corners of the British Columbia claims. Results from stream sediment samples in the same areas were above background in Pb, Zn, Ag or Ba (Plate 13).

### 3.1 SAMPLING

Grids were established over both of these areas, with initial crossline spacings at 200 m or 400 m. Samples were obtained at 50 m intervals on the crosslines and baselines by digging pits with a mattock to below the "A", or organic horizon, and filling standard gusseted kraft paper bags with soil. The samples taken are believed to represent the "B" soil horizon, or locally the top of the "C" horizon. All samples were dried in the bags in a propane-fired drying oven at the base camp. Subsequent

screening produced a -40+80 mesh fraction retained for reference, and a -80 mesh fraction sent for analysis. In addition, a bulk sample was collected, dried and screened and portions included randomly with grid samples to check laboratory precision.

### 3.2 ANALYSES

All analyses were performed by Bondar-Clegg and Company Ltd., 130 Pemberton Avenue, North Vancouver, B.C. V7P 2R5, on the -80 mesh fraction. For Pb, Zn and Ag the samples were digested using hot  $\text{HNO}_3:\text{HCl}$  and the metal concentrations determined by atomic absorption spectroscopy (AAS). The lower detection limits were: Pb, 2 ppm; Zn, 1 ppm; Ag, 0.2 ppm. Barium concentration was obtained by compressing powder into a pellet and analyzing by X-Ray Fluorescence. The detection limit reported for Ba was 20 ppm.

### 3.3 DETERMINATION OF THRESHOLD VALUES

Analytical results from soil samples on the B.C. claims had a wide range: Pb, 2 to 18,600 ppm; Zn, 12 to 32,600 ppm; Ag, 0.2 to 60.3 ppm; and Ba, 120 to 64,000 ppm. To determine threshold and anomalous values for each element a statistical approach was used on a population of approximately 5700 samples (Yukon and British Columbia sampling combined). Results from samples taken on lines 10400N to 12000N (B.C.) were omitted because there was exposed mineralization and old workings in this area. Similarly, results from check samples, duplicate samples and samples taken on fill-in lines or at close spacings

(25 m) in areas defined as anomalous during the early part of the sampling program were omitted.

Normal histograms were plotted for each element; it was found that all elements were log normally distributed. Each population was plotted on a log normal basis, and the means and standard deviations for each element calculated (Appendix "A"). The silver population was found to be still markedly skewed, due to the high proportion of values in the 0.2 to 0.3 ppm range. The following categories were defined for each element.

<u>Background:</u>	less than mean + one standard deviation (S.D.)
<u>Weakly Anomalous:</u>	mean + one S.D. to mean + two S.D.
<u>Moderately Anomalous:</u>	mean + two S.D. to mean + three S.D.
<u>Anomalous:</u>	mean + three S.D. to mean + four S.D.
<u>Strongly Anomalous:</u>	greater than mean + four S.D.

All sample analyses greater than the threshold value for each element are plotted on the Geochemical Maps, Plates 14 to 41. All results obtained, including those for check samples and duplicates, are in Appendix "B". Statistical categories for each element are tabulated on the geochemical maps.

### 3.4 DISCUSSION

The greater than background results for Pb, Zn, Ag and Ba have been compiled at a scale of 1:20000 (Plate 42).



Very broad coincident Pb, Zn, Ag and Ba anomalies are defined over the Discovery Showing - Silvertip Hill area on the South Grid. Lead is known to have limited mobility in this environment, so the presence of anomalous Pb in soils is considered to be a good indicator of proximity to mineralization. Examination of the massive sulphide showing indicates that the exhalite host is siliceous, and baritic facies are peripheral. Coincident Pb, Zn, Ag anomalies are present in seven other areas on Plate 42.

#### North Grid

- 1) In the Border Hill area there are two small coincident Pb, Zn, Ag, Ba anomalies. These are underlain by Unit 3a argillites, in which pyritic, baritic exhalites have been found elsewhere. More prospecting is required in this area.
- 2) East and west of the 125E baseline immediately south of the border is a large coincident Pb, Ag, Ba anomaly. A baritic exhalite has been traced in float through this area; no massive sulphides have been found. Detailed prospecting and possibly trenching are indicated.

#### South Grid

- 1) The "red soil" area east of the 50E baseline, between 140N and 145N gave anomalous to strongly anomalous results in Pb, Zn and Ag. Test pitting and trenching failed to discover the source. The "red soil" is transported; additional prospecting and test pitting is required to trace it.
- 2) The coincident linear Pb, Zn, Ag, Ba anomalies between 125N and 138N follow the stream draining the Discovery Showing - Silvertip Hill area.
- 3) Between 90N and 100N, 36E and 46E, are four Pb, Zn, Ag, Ba anomalies. This area is underlain by Unit 1a argillite containing one or more exhalite horizons. Drilling in the Showing area revealed that one of these horizons is well mineralized. Detailed prospecting and trenching of these anomalies is required.
- 4) Two well defined Pb+Zn, Ag anomalies have been defined, centered on 65N, 30E and 55N, 30E. They are under-

lain by siliceous and baritic exhalites in Unit 2a. Both of these require trenching to determine cause.

- 5) There is a relatively small Pb, Zn, Ag anomaly adjacent to a much larger Ba anomaly centered at 46N, 45E. The Ba anomaly overlies a highly baritic exhalite; the Pb, Zn, Ag anomaly may be due to sulphides. Test pitting and prospecting are required.

## 4.0

## G E O P H Y S I C S

4.1 AIRBORNE SURVEY

Between May 9 and May 21, 1981, Dighem Ltd., of Toronto, flew 778 line km of combined EM and magnetometer survey over the Midway property. The results are reported and interpreted in a separate volume which forms part of this report.

Resistivity lows and EM conductors in general trace the mapped carbonaceous sediments. The magnetic response was relatively flat overall.

4.2 GROUND EM SURVEYS

Two areas were chosen to test the applicability of the pulse EM survey technique. Glen E. White Geophysical Consulting and Services Ltd., of Vancouver provided a three man crew and equipment, and wrote the report. Two pulse EM anomalies and one vector EM anomaly were drill tested with positive results.

#### 4.3 GROUND GRAVITY SURVEYS

Ground surveys were run over the same area as the pulse EM surveys. A three man crew and equipment were provided by Ager, Barretta and Associates Inc. of Vancouver. A total of 310 points were surveyed. The results and interpretation are included in an accompanying report.

## 5.0

## P R O S P E C T I N G

Scott Jones, the prospector employed on the Midway property, has worked in that capacity with Cordilleran Engineering each season since 1978. He is presently in his second year of the Mining Course at B.C.I.T. He has taken both the B.C. and Yukon Chamber of Mines Prospecting Course and the Mineral Exploration Course for Prospectors.

During the course of his assignment, he maintained field books and plotted his traverses on 1:75,000 or 1:25,000 aerial photographs. Soil, sediment and rock sample locations are plotted on Plates 2 to 6, and tabulated in Table 3. During the field season most stream courses and soil geochemical anomalies were traversed and prospected.

TABLE 3

PROSPECTORS SAMPLE RESULTS

<u>SAMPLE No.</u>	<u>TYPE</u>	<u>Pb ppm</u>	<u>Zn ppm</u>	<u>Ag ppm</u>	<u>Ba ppm</u>
4332	Rock	40	220	1.4	1710
4333	Rock	59	-	1.3	-
4334	Rock	50	231	2.9	-
4354	Rock	8	13	0.2	28.0%
4355	Rock	13	15	2.3	7.2%
4356	Rock	8	44	2.2	5.7%
4357	Rock	87	12	1.3	1360
4358	Rock	10	2580	1.0	1010
4359	Rock	32	42	0.8	750
4360	Rock	42	31	0.4	5750
4361	Rock	12	62	0.3	20.0%
4362	Rock	22	203	2.0	20.0%
4366	Rock	34	28	1.8	12530
4367	Rock	3	8	0.7	1770
4368	Rock	18	32	0.6	7.3%
4369	Rock	130	70	1.4	49.0%
4370	Rock	15	208	0.3	5530
4371	Rock	21	252	0.7	4530
4372	Rock	17	125	0.6	2720
4373	Rock	23.15%	0.94%	772.4 oz/T	-
4374	Rock	11	212	0.5	1250
4375	Rock	15	360	0.6	2040
4376	Rock	14	22	1.4	4.2%
4377	Rock	9	160	0.4	1320
LJ-2	Soil	19	100	0.2	1120
-4	Soil	16	348	1.1	8570
-5	Soil	56	545	1.7	4500
-6	Soil	20	348	2.1	13500
SJ-1	Sediment	1110	210	8.5	3070
-2	Sediment	670	135	5.4	2640
-4	Sediment	72	1720	3.2	12240
-5	Sediment	24	350	0.6	2010
-6	Sediment	50	1900	1.3	1890
-7	Sediment	45	4000	1.7	8610
-8	Sediment	22	2400	5.7	13610
-9	Sediment	87	550	4.7	1790
-10	Sediment	41	-	1.4	15780
-11	Sediment	9	95	0.4	3120
-12	Sediment	19	98	0.6	2330
-13	Sediment	9	100	0.4	2990
-14	Sediment	8	104	0.5	2980
-15	Sediment	7	92	0.3	2680
-21	Sediment	26	310	1.7	5610

continued

TABLE 3 - PROSPECTORS SAMPLE RESULTS (cont'd)

<u>SAMPLE No.</u>	<u>TYPE</u>	<u>Pb ppm</u>	<u>Zn ppm</u>	<u>Ag ppm</u>	<u>Ba ppm</u>
SJ-22	Sediment	32	400	1.0	4000
-23	Sediment	15	260	0.5	2550
-24	Sediment	26	820	0.8	3190
-25	Sediment	29	920	0.7	3520
-26	Sediment	29	440	0.7	3420
-27	Sediment	40	225	0.7	2000
-28	Sediment	20	172	0.6	2180
-29	Sediment	16	154	0.5	2460
-30	Sediment	24	398	1.0	2610
-31	Sediment	46	209	0.5	2190
-32	Sediment	15	327	0.3	2470

## 6.0

## P H Y S I C A L   W O R K

6.1 GRID ESTABLISHMENT

Eastman Exploration Services of Whitehorse had an average of four line cutters on the property between June 11 and September 12, 1981. The lines established in B.C. are summarized in Table 4. Baselines in bush areas were cut with chain saws and picketed, and in alpine areas were marked with two foot lath. Crosslines and tie lines were blazed and flagged. Silva compasses were used to maintain direction, and belt chains were used to measure distance. The gridded areas relative to the claim corners, and the results of the tie line surveys, are shown on Plates 43 to 45. Close supervision of the line cutters was required to correct errors in line direction and station numbering.

TABLE 4LINECUTTING, B.C., 1981

	Baseline		Crossline km	Tieline km
	Alpine km	Bush km		
NORTH GRID	1.7	17.9	96.30	18.8
SOUTH GRID	<u>6.9</u>	<u>14.1</u>	<u>132.75</u>	<u>12.4</u>
	8.6	32.0	229.05	31.2



## 6.2 TRENCHING AND ROADWORK

In late August a crawler mounted Bantam 366 hydraulic backhoe with 1½ cubic yard bucket was leased to excavate trenches. This machine averaged 32 metres per day of trench which averaged 2 m wide and 2 m deep. The trenches excavated are summarized in Table 5 and shown on Plates 7 and 8. A Caterpillar D6C tractor was leased at the end of August to build access roads (1.2 km), rebuild existing roads (3 km), and prepare drill sites (8) and trench sites (430 m). Approximately 120 m of trenches were backfilled.

TABLE 5

TRENCHING, B.C., 1981

<u>TRENCH PIT No.</u>	<u>CLAIM</u>	<u>LENGTH</u> m	<u>WIDTH</u> m	<u>DEPTH</u> m	<u>VOLUME</u> m <sup>3</sup>	<u>COMMENTS</u>
<u>PIT:</u>						
1	Bull 1	3	3	3	27	Reached bedrock
2	Bull 1	4	4	5	80	No bedrock
3	Bull 1	3.5	3.5	4	49	No bedrock
4	Bull 1	3.5	3.5	4	49	No bedrock
5	Bull 1	4	4	5	80	No bedrock
6	Bull 1	3	3	3	27	No bedrock
<u>TRENCH:</u>						
MW81-1	Macc	138	2	2	552	Bedrock, 54m backfilled
MW81-2	Bull 3	16	2	2	64	Bedrock, 6m backfilled
MW81-3	Bull 3	142	2	2	568	Bedrock
MW81-4	Bull 3	33	2	2	132	Bedrock, 33m backfilled
MW81-5	Bull 3	92	2	2	368	Bedrock, 30m backfilled
MW81-6	Bull 3	40	2	2	160	Bedrock, 23m backfilled
MW81-7	Bull 3, Macc	155	2	2	620	Bedrock, 48m backfilled
MW81-8	Bull 3	35	2	2	140	Bedrock
MW81-9	Bull 3	68	2	2	272	Bedrock
MW81-10	Macc	60	2	2	240	Bedrock
MW81-11	Bull 3	267	2	2	1068	Bedrock
MW81-12	Bull 3	27	2	2	108	Bedrock
MW81-13	Bull 3	140	2	2	560	Bedrock
MW81-14	Bull 1	58	1.5	2.5	218	No bedrock
					5382m <sup>3</sup>	

### 6.3 CONTROL SURVEY

Between October 1 and 5, 1981, one surveyor with helper from Hosford, Impey, Welter and Associates, Whitehorse, surveyed 38 points in the vicinity of the Discovery Showing (trenches, drill hole collars, grid points and topographic features), 8 nearby Legal Corner Posts, and 4 control points (Table 6). Twenty-one claim corners were calculated. The claim corners and control points are shown on Plate 46, the detailed survey points on Plate 47. The Bull 6 Fr was staked after the survey.

A brief description of field procedures and equipment follows:

#### Field Control

Survey ties were made to B.C. third order topographic stations Re, See and Toot established in 1973. Horizontal and vertical angles were measured with Wilde T2 theodolites. Distances were measured with a Wilde D14-L distance meter (range to 10 km - accuracy  $\pm .01$  m + 5 ppm). Field measurements followed second order guidelines as prescribed by Geodetic Survey of Canada. Monumentation at control stations consisted of a 2 cm x 0.75 m iron bar driven to within .10 m of ground level on which is mounted a 10 cm x 10 cm x 1.2 m red wooden post. A stone mound was erected around the base of the monument.

#### Computations

Geodetic reduction procedures were performed on all of the field data. This included adjustment of horizontal angles for (t-T) correction and reduction of distances to sea level and correction for scale factor. Elevations were computed by simultaneous trigonometric levelling techniques. Horizontal coordinates were adjusted by a least squares adjustment process. Theoretical claim corners were computed after convergence, sea level and scale factor adjustments at the legal corner post.

#### Results

UTM coordinates (Zone 9) and sea level elevations were provided for all stations. The adjustment indicates horizontal accuracies of 1:50,000 and 0.1 m vertical within the control net. The ray shots have estimated accuracies of 1:25,000 horizontal and 0.3 m vertical.

TABLE 6  
SURVEYED AND CALCULATED POINTS,  
DISCOVERY SHOWING AREA

TO	NORTHING	EASTING	ELEVATION	TO	NORTHING	EASTING	ELEVATION		
1	6,644,684.09	426,348.67	1,521.92	CONT1	37	6,643,799.38	425,317.65	1,208.23	TR81-5
2	6,644,071.99	423,703.21	1,554.24	CONT2	38	6,643,890.15	425,271.52	1,183.51	TR81-8
3	6,640,581.78	425,827.76	1,962.19	TOOT	39	6,643,840.51	425,270.67	1,205.31	TR81-5
4	6,636,573.01	417,188.60	1,970.91	SEE	40	6,643,889.96	425,236.60	1,184.47	TR81-8
5	6,644,033.81	423,726.45	1,547.94	2-1	41	6,643,835.84	425,242.44	1,207.40	TR815/6
6	6,643,889.39	424,998.15	1,180.97	CP70/5	42	6,643,875.37	425,259.32	1,191.69	118525
7	6,643,889.24	424,991.12	1,178.56	CP7	43	6,643,583.87	425,026.31	1,252.77	115ROAD
8	6,640,038.79	423,363.74	1,499.70	CP8	44	6,643,584.18	424,976.96	1,255.68	115500
9	6,643,758.50	424,347.10	1,232.20	CP9	45	6,643,684.05	424,981.74	1,222.00	116500
10	6,646,883.11	426,033.40	1,303.63	CP10	46	6,643,604.59	424,978.16	1,245.87	RD5000E
11	6,644,144.92	427,849.68	1,586.00	CP11	47	6,643,787.66	424,986.36	1,206.31	117500
12	6,641,815.16	425,991.30	1,526.01	CP12	48	6,643,611.39	424,731.78	1,231.88	ROADFRK
13	6,639,814.84	425,839.80	1,610.89	CP13	49	6,641,812.91	423,971.44	1,404.20	980400
14	6,643,541.98	425,230.09	1,313.10	TR81-1	50	6,641,815.22	424,984.20	1,417.83	980500
15	6,643,582.67	425,249.81	1,300.29	1155275	51	6,643,909.50	423,991.84		SWBULL5
16	6,643,635.69	425,186.18	1,280.12	TR81-1	52	6,646,907.34	424,052.61		NWBULL5
17	6,643,707.45	425,221.42	1,263.62	MWB1-3	53	6,646,887.08	425,051.89		NEBULL5
18	6,643,719.88	425,132.24	1,251.00	TR81-10	54	6,642,037.25	423,405.06		NWCLMX1
19	6,643,697.64	425,278.01	1,254.83	MWB1-4	55	6,642,016.59	424,404.30		NECLMX1
20	6,643,718.88	425,183.50	1,251.03	TR81-9	56	6,640,018.12	424,362.97		SECLMX1
21	6,643,754.97	425,236.30	1,244.15	MWB1-1	57	6,643,738.07	425,346.37		NEMACC
22	6,643,737.97	425,188.14	1,244.86	TR81-10	58	6,642,738.80	425,325.94		SEMACC
23	6,643,741.23	425,290.41	1,236.13	MWB1-2	59	6,642,759.23	424,326.68		SMACC
24	6,643,748.18	425,244.62	1,244.04	TR81-9	60	6,643,885.33	425,973.41		SEBULL1
25	6,643,730.49	425,304.79	1,232.81	TR81-7	61	6,643,905.32	424,974.15		SWBULL1
26	6,643,763.22	425,154.55	1,231.00	TR81-7	62	6,646,903.11	425,034.14		NWBULL1
27	6,643,773.19	425,174.44	1,227.97	TR81-2	63	6,641,646.85	427,800.96		SETOOT4
28	6,643,783.19	425,178.63	1,219.91	TR81-3	64	6,641,685.83	425,802.51		SWTOOT4
29	6,643,827.90	425,230.77	1,209.76	TR81-3	65	6,644,183.89	425,851.23		NWTOOT4
30	6,643,853.59	425,218.10	1,200.20	TR81-6	66	6,643,813.61	426,031.24		NEBULL3
31	6,643,676.15	425,252.60	1,266.77	116/525	67	6,643,853.56	424,032.78		NWBULL3
32	6,643,861.80	425,244.27	1,198.76	TR81-3	68	6,641,855.10	423,992.84		SWBULL3
33	6,643,578.06	425,221.39	1,300.15	MWB160S	69	6,641,813.27	425,879.79		NEBETH1
34	6,643,581.22	425,231.36	1,300.18	MWB1-6	70	6,641,843.27	424,380.97		NWBETH1
35	6,643,653.31	425,193.10	1,279.33	MWB1-5	71	6,639,844.84	424,340.98		SWBETH1
36	6,643,780.00	425,262.97	1,231.91	1175275					

## 7.0

## DIAMOND DRILLING

Six NQ diameter holes were drilled by Amity Drilling Limited, Whitehorse, in the period September 21 to October 6, 1981. Core recovery for the 857.1 m drilled averaged 83.4%. The hole data is presented in Table 7, the hole locations are shown on Plate 7, the geology is shown in section on Plates 9 to 12. The drill hole logs are in Appendix "C", the assay certificates are in Appendix "D".

TABLE 7

DIAMOND DRILL HOLE DATA

<u>HOLE NO.</u>	<u>CLAIM</u>	<u>DIP</u>	<u>AZIMUTH</u>	<u>ELEVATION</u>	<u>DEPTH</u>	<u>REMARKS</u>
MW81-1	Bull 3	-70°	328°	1244.2	127.10	3 mineralized zones
MW81-2	Bull 3	-70°	301°	1236.1	144.48	3 mineralized zones
MW81-3	Macc	-69°	300°	1263.6	117.96	3 mineralized zones Reduced to BQ @ 112.17 m
MW81-4	Macc	-70°	300°	1254.8	171.30	2 mineralized zones
MW81-5	Macc	-70°	300°	1279.3	126.80	3 mineralized zones
MW81-6	Macc	-68°	269°	1300.2	169.47	2 mineralized zones

The core from hole MW81-1 is presently stored at 2225 South Springer Avenue, Burnaby; the remainder of the core is stored in an old building near the Discovery Showing.

## 8.0 SUMMARY AND CONCLUSIONS

An integrated exploration program was undertaken on the Midway property during 1981. It consisted of an airborne EM and magnetometer survey, linecutting and soil sampling of large areas underlain by favourable stratigraphy, prospecting and mapping of the property, orientation ground geophysical surveys, and trenching and diamond drilling of the most favourable area. Soil sample results combined with prospecting and mapping have outlined a number of targets for more detailed work, including trenching, expanded ground geophysical surveys and diamond drilling. All six diamond drill holes in the Discovery Showing area intersected two or more massive sulfide horizons. The Main Zone has dimensions of 220 m along strike, 110 m down dip from surface, and 3 to 7 m in thickness. Assay results in the range of 4% to 9% combined Pb/Zn and 2 oz/ton Ag are very encouraging.

## 9.0

## C O S T   S T A T E M E N T

9.1 PERSONNEL SALARIESProject Manager

-J.J.Hylands, P.Eng; June 1-Oct.20, 142 days,  
salary included in Professional Services, Sec.9.8

Project Geologists

-J.D.Rowe	June 1-Oct.13	135 d x \$125/d =	\$16,875
-A.R.Hildebrand	June 8-Oct.20	135 d x \$125/d =	16,875
-S.E.Parry	June 8-Oct.13	128 d x \$125/d =	16,000
		<u>398 days</u>	<u>\$49,750</u>

Juniors

-K.Sax	June 1 -Aug.31	92 d x \$50/d =	\$ 4,600
-P.Maika	June 1 -Aug.31	92 d x \$50/d =	4,600
-A.Robertson	June 1 -Aug.31	92 d x \$50/d =	4,600
-A.Neill	June 1 -July 17	47 d x \$50/d =	2,350
-R.Irvin	June 1 -June 14	14 d x \$50/d =	700
-C.Cromarty	June 26-Aug.15	51 d x \$50/d =	2,550
-R.Mirko	July 22-Oct.20	91 d x \$50/d =	4,550
-P.Unden	July 22-Oct.20	91 d x \$50/d =	4,550
		<u>570 days</u>	<u>\$28,500</u>

Prospector

-S.Jones                      June 1-Aug.31      92d x \$73.50/d = \$ 6,762

Cook

-J.Tindle                      May 22-Oct.20      152 d x \$74/d = \$11,248

**Total Personnel Salaries**  
**British Columbia & Yukon**      = \$96,260

## 9.1 PERSONNEL SALARIES (cont'd)

### Mandays in British Columbia

Project Manager	105 days	*142x681/921
Project Geologists - Mapping	198 days	268x681/92
- Trenching	72	
- Drilling	58	
	<u>328 days</u>	
Juniors - Sampling	323 days	470x5489/7995
- Trenching	48	
- Drilling	52	
	<u>423 days</u>	
Prospector	68 days	92x681/921
Cook	112 days	152x681/921

### B.C. Salary costs

-Project Geologists	328 d x \$125/d	=	\$41,000.00
-Junior	423 d x \$50/d	=	21,150.00
-Prospector	68 d x \$73.50/d	=	4,998.00
-Cook	112 d x \$74/d	=	8,436.00
			<u>\$75,584.00</u>

\* **NOTE** Project manager, mapping, prospector and cook prorated on basis of claim ratios.  
Sampling prorated on basis of ratio of samples collected.

## 9.2 FOOD AND ACCOMODATION

### Midway Personnel

-Project Manager	105 mandays x \$39.71/d	=	\$ 4,169.55
-Project Geologists	328 mandays x \$39.71/d	=	13,024.88
-Juniors	423 mandays x \$39.71/d	=	16,797.33
-Prospector	68 mandays x \$39.71/d	=	2,700.28
-Cook	105 mandays x \$39.71/d	=	4,169.55
			<u>\$40,861.59</u>

### Contractors Personnel

-Grant Stewart Construction, Waston Lake			
Backhoe Operators			
Aug.22-Sept.24,	34 days x \$39.71/d	=	\$ 1,350.14
D-6 Operators			
Sept. 1-Oct.9	40 days x \$39.71/d	=	1,588.40
Mechanics			
Sept.9,Sept.16-21	7 days x \$39.71/d	=	277.97
			<u>3,216.51</u>



9.2 FOOD AND ACCOMODATION (Cont'd)

Contractors Personnel (cont'd)

-Glen E.White Geophysical, Vancouver

B.Robertson	Sept.15-24	8 d x \$39.71/d	=	\$ 317.68
B.Crassweller	" "	8 d x \$39.71/d	=	317.68
T.Purcell	" "	8 d x \$39.71/d	=	317.68
				<u>953.04</u>

-Ager, Berretta, and Associates, Vancouver

G.Paquin	Sept.18-27	7 d x \$39.71/d	=	277.97
J.Girard	" "	7 d x \$39.71/d	=	277.97
L.Carlson	" "	7 d x \$39.71/d	=	277.97
				<u>833.91</u>

-Hosford, Impey, Welter and Associates, Whitehorse

F.Welter	Oct.1-4	4 d x \$39.71/d	=	158.84
B.Chapman	" "	4 d x \$39.71/d	=	158.84
				<u>317.68</u>

-Amax of Canada Limited, geophysicist

L.Lebel	July 20-26 )	26 days x \$39.71/d	=	1,032.46
	Aug 22-26 )			
	Sept 7-29 )			

-Northern Mountain Helicopters, Prince George

B.McPhilips, pilot	May 29-Oct 19	106d x \$39.71/d	=	4,209.26
W.Rayrock, mechanic	June 26-Sept.29	71 d x \$39.71/d	=	2,819.41
				<u>7,029.07</u>

-MBW Surveys, Whitehorse

M.Barker	Oct.7-16	10 d x \$39.71/d	=	397.10
S.McKoewn	" "	10 d x \$39.71/d	=	397.10
S.Ridgeway	" "	10 d x \$39.71/d	=	397.10
T.Mrozinsky	" "	10 d x \$39.71/d	=	397.10
				<u>1,588.40</u>

**TOTAL FOOD AND ACCOMODATION \$55,832.26**

**NOTES** Time in B.C. for geophysicsts prorated on basis of line km surveyed

Glen E.White 10.6 km/13.6 km x 10 = 8.0 days

Ager, Berretta 7.6 km/11 km x 10 = 7.0 days

L.Lebel 18.2 km/24.6 km x 10 = 26.0 days

Time in B.C. for pilot and mechanic prorated on basis of ratio of claims

Pilot 681/921 x 143 = 106 days

Mechanic 681/921 x 96 = 71 days

177 days in B.C.

Eastman Exploration Services

4 linecutters, June 12-Sept.12= 372 mandays total

372 x 300.85 km/435.4 km = 257 mandays in B.C.

Linecutters maintained their own camp.

### 9.3 TRANSPORTATION

Return air transportation Vancouver to Watson Lake 14 employees x \$374	=	\$5,236.00
Truck rentals	-Cordilleran Suburban	= 6,000.00
	-Bowmac Suburban	= 4,369.84
		<u>10,639.84</u>
Helicopter lease, Northern Mountain		
	-Helicopters	= 127,903.93
	-Aviation Fuel	= 14,611.81
		<u>142,515.74</u>
Expediting, Food to camp	=	6,389.69
Freight, Express, Delivery	=	6,164.15
Fixed Wing Aircraft	=	3,867.67
		<u>16,421.51</u>
<b>TOTAL TRANSPORTATION</b>		
<b>B.C. &amp; Yukon, TOTAL = 174,813.09</b>		

### 9.4 RENTALS

Camp Equipment	\$1600/month	=	7,488.00
	\$ 600/month	=	<u>2,877.00</u>
<b>TOTAL RENTALS</b>			
<b>B.C. &amp; Yukon, TOTAL = 10,365.00</b>			

### 9.5 SURVEYS

May 9-21, 12 days, Airborne EM 669 units @ \$61.80/unit, B.C.	=	41,344.20
Sept.15-24, 10 days, Ground EM 10.6 km @ \$691.57/km, B.C.	=	7,330.67
Sept.18-27, 10 days, Gravity 7.6 km @ \$1530.10/km, B.C.	=	11,628.75
June 1-Aug.31, 323 mandays, 5489 soil samples collected, dried, screened @ \$50/manday	=	16,050.00
Oct.1-4, 8 mandays, control Hosford, Impey, Welter & Associates	=	<u>7,134.43</u>
<b>TOTAL SURVEYS</b>		
<b>B.C. &amp; Yukon, TOTAL = 83,488.05</b>		

9.6 ANALYSES, B.C.

5587 soil samples, 26 sediment samples, analyzed for Pb,Zn,Ag,Ba; \$7/sample	=	\$39,291.00
23 rock samples, analyzed for Pb,Zn,Ag,Ba; \$7/sample; sample preparation,\$2.50/sample	=	218.50
1 rock sample, assayed for Pb,Zn,Ag; \$23.00/sample	=	23.00
50 soil samples assayed for Ba, \$3.75/sample	=	187.50
5 soil samples assayed for Pb, \$6.00/sample	=	30.00
6 soil samples assayed for Zn, \$6.50/sample	=	39.00
4 soil samples assayed for Ag, \$8.00/sample	=	32.00
		<u>39,821.00</u>
140 core samples, assayed for Pb,Zn,Ag,Fe; \$28.00/sample;sample preparation;\$2.50/sample	=	<u>4,270.00</u>
<b>TOTAL ANALYSES, B.C.</b>	<b>=</b>	<b>44,091.00</b>

9.7 MANAGEMENT FEE

Cordilleran Engineering, May 1-Oct.20	=	76,998.86
Applied to Yukon	=	<u>15,192.00</u>
<b>TOTAL MANAGEMENT FEE</b>		
<b>B.C. Portion</b>	<b>=</b>	<b>61,806.86</b>

9.8 PROFESSIONAL SERVICES

Cordilleran Engineering, May 1-Oct.20	=	73,635.00
Applied to Yukon	=	<u>15,497.00</u>
<b>TOTAL PROFESSIONAL</b>		
<b>SERV.-B.C.portion</b>	<b>=</b>	<b>58,138.00</b>

9.9 LINECUTTING

Eastman Exploration Services, Whitehorse		
8.6 km,alpine baseline,\$300/mi,\$186.45/km	=	1,603.47
32.0 km,bush baseline, \$500/mi,\$310.75/km	=	9,944.00
229.05km,crossline, \$200/mi,\$124.30/km	=	28,470.92
31.2 km,tieline, \$125/mi,\$ 77.69/km	=	<u>2,423.93</u>
<b>TOTAL LINECUTTING</b>		
<b>B.C.TOTAL</b>	<b>=</b>	<b>42,442.32</b>

9.10 TRENCHING AND ROADWORK, B.C.

## Grant Stewart Construction

-Bantam 366 hydraulic backhoe	=	14,836.00
Lease, Aug.18-Sept.24	=	12,939.00
227 hours x \$57/hour	=	180.00
Truck support, 4 hours x \$45	=	980.00
Standby, travel time	=	483.00
Fuel haul	=	2,926.85
Mobilization and demobilization	=	<u>32,344.85</u>
-Caterpillar D6 tractor	=	5,264.00
Lease, Sept.1-24	=	8,500.00
170 hours x \$50/hour	=	45.00
Truck support, 1 hour x \$45	=	484.00
Fuel haul	=	792.25
Mobilization and demobilization	=	<u>15,085.25</u>
<b>TOTAL TRENCHING AND ROADWORK</b>		
<b>British Columbia TOTAL</b>	=	<u><u>47,430.10</u></u>

9.11 DIAMOND DRILLING (Sept.21-Oct.6)

## Amity Drilling Ltd., Whitehorse

203 ft NQ casing @ \$27.15/ft	=	5,511.45
2506 ft NQ drilling @ \$24.70/ft	=	61,898.20
118 ft NQ drilling @ \$25.70/ft	=	3,032.60
19 ft BQ drilling @ \$23.50/ft	=	446.50
Field Time - 374 man hours x \$20.30/hr	=	7,592.20
- 119 machine hrs x \$9/hr	=	1,071.00
Bits, rods, casing, etc	=	9,683.52
Propane, mud, consumed	=	9,637.80
Mobilization	=	9,388.20
Demobilization	=	6,213.40
Service trips	=	823.64
Core boxes, lumber, fuel, etc.	=	4,190.53
Truck charges, 15 days x \$50/d	=	750.00
Freight	=	430.60
		<u>120,669.64</u>
D-6, Grant Stewart Construction		
Lease cost, Sept. 26-Oct.19	=	5,348.94
118 hours x \$50/hr	=	5,900.00
Truck support, 3 hrs x \$45/hr	=	135.00
Standby, travel	=	1,540.00
Mobilization, demobilization	=	549.95
		<u>13,473.89</u>
<b>TOTAL DIAMOND DRILLING</b>		
<b>British Columbia TOTAL</b>	=	<u><u>134,143.53</u></u>

9.12 CAMP OPERATING COSTS (B.C. & Y.T.)

Camp supplies (non-durable)	=	\$22,756.10
Food	=	20,677.01
Propane	=	2,042.64
Stove oil, gasoline	=	1,680.47
Vehicle repairs	=	846.55
Camp construction	=	3,112.40
Camp equipment (durable)	=	1,783.28
Drum charges	=	2,525.00
Insurance	=	988.13
Drafting, office supplies, printing	=	7,277.38
Telephone, postage	=	2,745.75
Maps	=	4,999.26
		<u>\$71,433.97</u>

Mandays, B.C. and Yukon:

-Project Manager	142 days
-Project Geologist	398 days
-Juniors	570 days
-Prospector	92 days
-Cook	142 days
-Grant Stewart	81 days
-Geophysicists	95 days
-Northern Mountain	239 days
-MBW Surveys	<u>40 days</u>

TOTAL MANDAYS, B.C. & Y.T. 1799 days

COST/MANDAY = \$ 39.71

9.13 SUMMARY OF COSTS, B.C.

9.1 Salaries		74,584.00
9.2 Food and Accomodation		55,832.26
9.3 Transportation	681/921 x \$174,813.09	129,259.19
9.4 Rentals	681/921 x \$10,365.00	7,664.02
9.5 Surveys		83,488.05
9.6 Analyses		44,091.00
9.7 Management Fee		61,806.86
9.8 Professional Services		58,138.00
9.9 Linecutting		42,442.32
9.10 Trenching and Roadwork		47,430.10
9.11 Diamond Drilling		<u>134,143.53</u>
		<u>\$738,879.33</u>

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**CORDILLERAN ENGINEERING**

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1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

**10.0 WRITER'S CERTIFICATE**

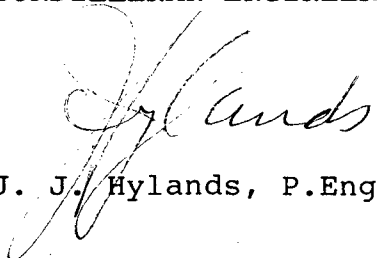
I, J. J. Hylands, with a business address at 1418 - 355 Burrard Street, Vancouver, British Columbia, V6C 2G8, do hereby certify that I have supervised or carried out the field work and have assessed and interpreted the data from this geological and geochemical sampling program on the Way, Bull, Climax, Macc and Post claims.

I also certify that:

1. I am a graduate of the University of British Columbia, Vancouver (B.A.Sc. Geological Engineering, Option I, 1966).
2. I have engaged in the study and practice of mineral exploration since graduation, in Canada, the United States and the Phillipines.
3. I am a Professional Engineer registered in the Province of British Columbia.

Respectfully submitted

**CORDILLERAN ENGINEERING**



J. J. Hylands, P.Eng.

JJH/z  
November, 1981  
Vancouver, B.C.

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**CORDILLERAN ENGINEERING**

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1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

10.1

**WRITER'S CERTIFICATE**

I, Alan R. Hildebrand of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 6428 Dunbar Street, Vancouver, British Columbia, and employed by Cordilleran Engineering of 1418 - 355 Burrard Street, Vancouver, B.C., V6C 2G8.
2. I received a Bachelor of Science degree from the Faculty of Geology at the University of New Brunswick, Fredericton, New Brunswick (1977).
3. I am an author of this report which is based on field work conducted from June 1 to October 20, 1981 on behalf of Regional Resources Ltd.

Respectfully submitted

**CORDILLERAN ENGINEERING**



A. R. Hildebrand, B.Sc.,  
Geologist

ARH/z  
November, 1981  
Vancouver, B.C.

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**CORDILLERAN ENGINEERING**

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1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

10.2

WRITER'S CERTIFICATE

I, Steven E. Parry, of Squamish, British Columbia hereby certify that:

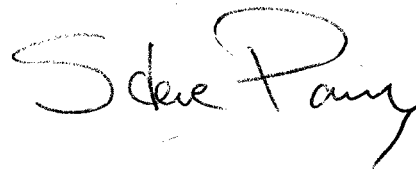
1. I am a geologist residing at 38035 3rd Ave., Squamish, B.C. V0N 3G0, and employed by Amax Minerals Exploration of Suite 601 - 535 Thurlow Street, Vancouver, B.C. V6E 3L6.
2. I received a Bachelor of Science degree from Queen's University, Kingston, Ontario (1977) and a Master of Science degree from the University of Western Ontario, London, Ontario (1979).
3. I am an author of this report which is based on field work conducted during June 1 to October 13, 1981 on behalf of Regional Resources Ltd.

Respectfully submitted

AMAX Minerals Exploration

S. E. Parry, M.Sc.,  
Geologist

SEP/z  
November, 1981  
Vancouver, B.C.





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**CORDILLERAN ENGINEERING**

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1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

**10.3****WRITER'S CERTIFICATE**

I, Jeffrey D. Rowe of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 121 E 27th St., North Vancouver, B.C., and employed by Cordilleran Engineering of 1418-355 Burrard Street, Vancouver, B.C. V6C 2G8.
2. I received a Bachelor of Science degree from the Faculty of Geology at the University of British Columbia, Vancouver, B.C. (1975).
3. I am an author of this report which is based on field work conducted during June 1 to October 13, 1981 on behalf of Regional Resources Ltd.

Respectfully submitted

**CORDILLERAN ENGINEERING**

*J. D. Rowe*

J. D. Rowe, B.Sc.,  
Geologist

JDR/z  
November, 1981  
Vancouver, B.C.

11.0

## REFERENCES

HOLLAND, S.S.:

1968 Liard Mining Division,  
Silvertip; MMR Annual Report,  
pp.24-33.

APPENDIX "A"

STATISTICAL TREATMENT OF ANALYTICAL DATA



## APPENDIX " A "

### STATISTICAL TREATMENT OF ANALYTICAL DATA

The mean and standard deviation of the soil sample values for Pb, Zn, Ag and Ba were obtained using the following formulae:

$$\text{Log mean } (\log \bar{x}) = \frac{\sum N \log x}{N}$$

$$\text{Log standard deviation } (\log S_x) = \left( \frac{N(\log x)^2 - ((N \log x)^2 \div N)}{N-1} \right)^{\frac{1}{2}}$$

MIDWAY; LEAD STATISTICS

<u>Range, x,</u> ppm	<u>log x</u>	<u>N</u>	<u>%f</u>	<u>N log x</u>	<u>N (log x)<sup>2</sup></u>
2	0.3	14	0.2	4.2	1.26
3	0.5	18	0.3	9.0	4.50
4	0.6	30	0.5	18.0	10.80
5	0.7	43	0.8	30.1	21.07
6-7	0.8	161	2.9	128.8	103.04
8	0.9	121	2.2	108.9	98.01
9-11	1.0	511	9.1	511.0	511.00
12-14	1.1	725	12.9	797.5	877.25
15-17	1.2	649	11.5	778.8	934.56
18-22	1.3	823	14.6	1069.9	1390.87
23-28	1.4	574	10.2	803.6	1125.04
29-35	1.5	439	7.8	658.5	987.75
36-44	1.6	351	6.2	561.6	898.56
45-56	1.7	235	4.2	399.5	679.15
57-70	1.8	196	3.5	352.8	635.04
71-89	1.9	187	3.3	355.3	675.07
90-112	2.0	139	2.5	278.0	556.00
113-141	2.1	127	2.3	266.7	560.07
142-177	2.2	97	1.7	213.4	469.48
178-223	2.3	63	1.1	144.9	333.27
224-281	2.4	51	0.9	122.4	293.76
282-354	2.5	39	0.7	97.5	243.75
355-446	2.6	20	0.4	52.0	135.20
447-562	2.7	6	0.1	16.2	43.74
563-707	2.8	4	0.1	11.2	31.36
		<u>5623</u>	<u>100.0</u>	<u>7789.8</u>	<u>11619.60</u>

$$\text{Log } \bar{x} = 1.38535$$

$$\bar{x} = 24 \text{ ppm}$$

$$\log S_x = 0.38378$$

$$\begin{aligned} \log \bar{x} + \log S_x &= 1.76913 & , & \quad 59 \text{ ppm} \\ \log \bar{x} + 2 \log S_x &= 2.15291 & , & \quad 142 \text{ ppm} \\ \log \bar{x} + 3 \log S_x &= 2.53669 & , & \quad 344 \text{ ppm} \\ \log \bar{x} + 4 \log S_x &= 2.92047 & , & \quad 833 \text{ ppm} \end{aligned}$$

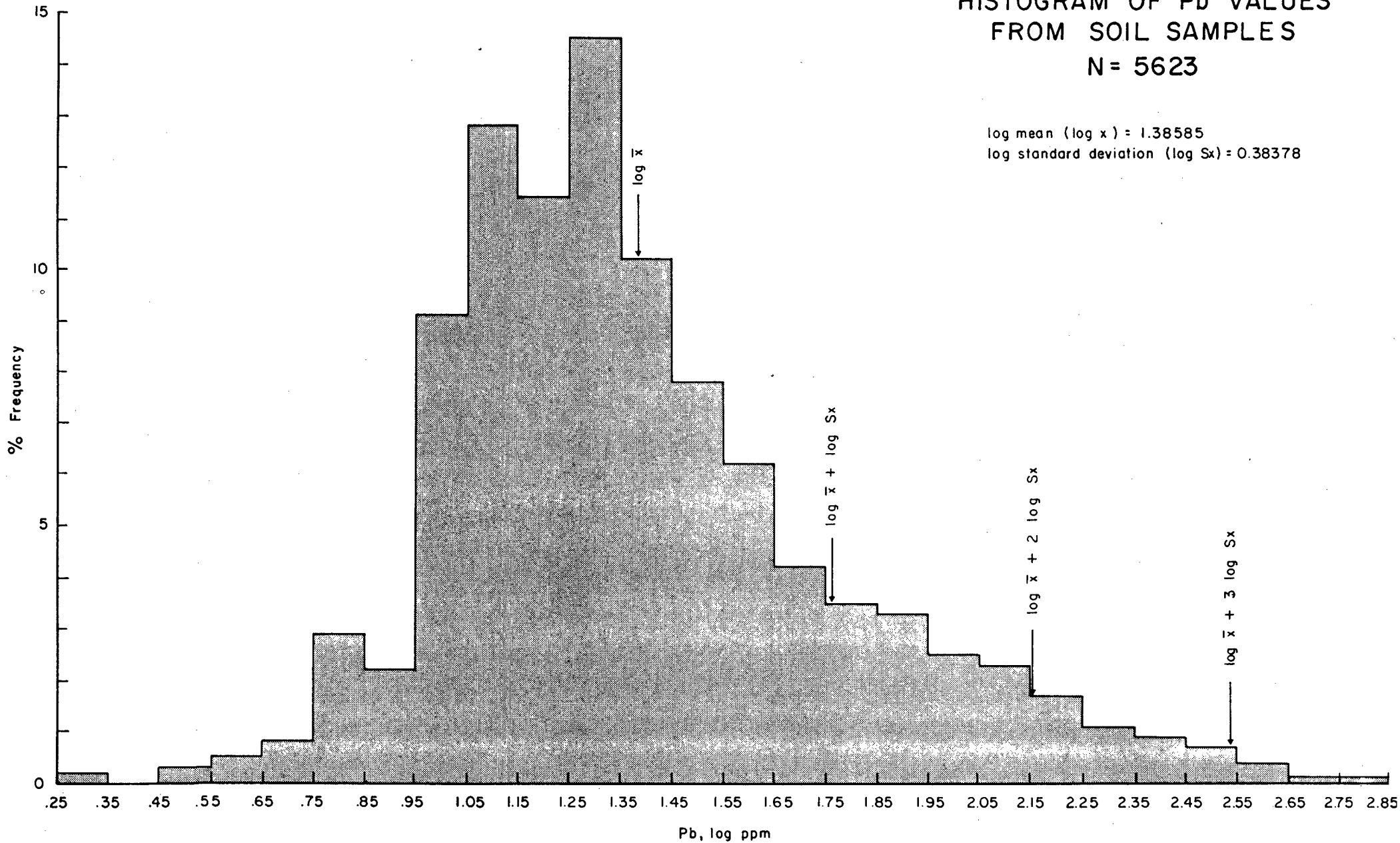
MIDWAY PROPERTY

HISTOGRAM OF Pb VALUES  
FROM SOIL SAMPLES

N = 5623

log mean (log  $\bar{x}$ ) = 1.38585

log standard deviation (log  $S_x$ ) = 0.38378



MIDWAY, ZINC STATISTICS

<u>Range, x,</u> ppm	<u>log x</u>	<u>N</u>	<u>%f</u>	<u>N log x</u>	<u>N (log x)<sup>2</sup></u>
5-7	0.8	6	0.1	4.8	3.84
8-11	1.0	0	0	0	0
12-19	1.2	9	0.2	10.8	12.96
20-35	1.4	65	1.1	91.0	127.40
36-50	1.6	232	4.0	371.2	593.92
51-79	1.8	1044	18.2	1879.2	3382.56
80-125	2.0	1767	30.9	3534.0	7068.00
126-199	2.2	1351	23.6	2972.2	6538.84
200-315	2.4	766	13.4	1838.4	4412.16
316-500	2.6	313	5.5	813.8	2115.88
501-800	2.8	144	2.5	403.2	1128.96
801-1258	3.0	27	0.5	51.0	153.00
		<u>5724</u>	<u>100.0</u>	<u>11969.6</u>	<u>25537.52</u>

$$\log \bar{x} = 2.09112$$

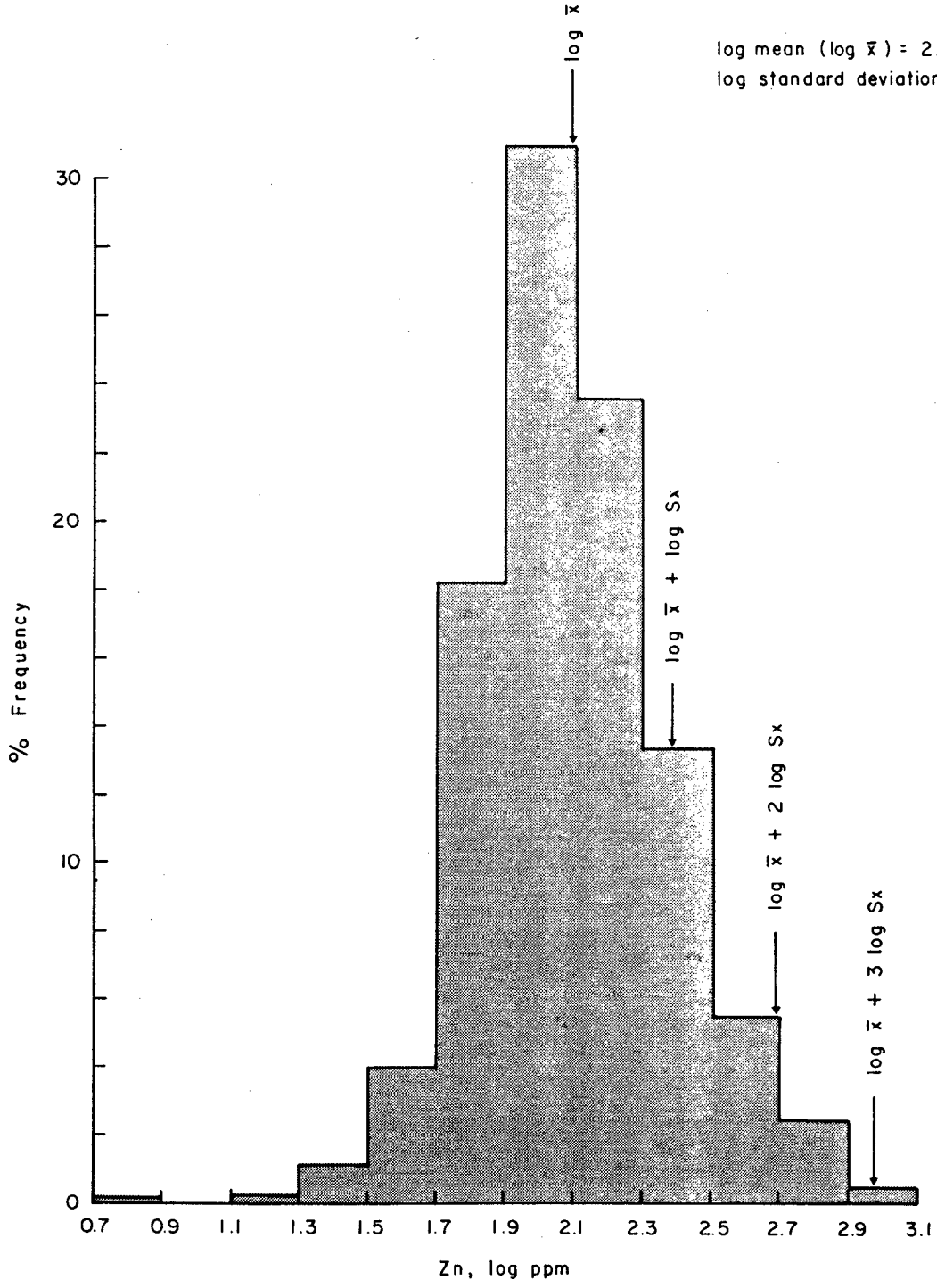
$$\bar{x} = 123 \text{ ppm}$$

$$\log S_x = 0.29781$$

$\log \bar{x} + \log S_x = 2.38893$	, 245 ppm
$\log \bar{x} + 2 \log S_x = 2.68674$	, 486 ppm
$\log \bar{x} + 3 \log S_x = 2.98455$	, 965 ppm
$\log \bar{x} + 4 \log S_x = 3.28236$	, 1916 ppm

MIDWAY PROPERTY  
HISTOGRAM OF Zn VALUES  
FROM SOIL SAMPLES  
N = 5724

log mean ( $\log \bar{x}$ ) = 2.09112  
log standard deviation ( $\log S_x$ ) = 0.29781





MIDWAY, SILVER STATISTICS

<u>Range, x,</u> ppm	<u>log x</u>	<u>N</u>	<u>%f</u>	<u>N log x</u>	<u>N (log x)<sup>2</sup></u>
0.2	-0.65	2325	40.8	-1511.25	982.31
0.3 - 0.4	-0.45	1108	19.4	- 498.60	224.37
0.5 - 0.6	-0.25	716	12.6	- 179.00	44.75
0.7 - 1.1	-0.05	811	14.2	- 40.55	2.03
1.2 - 1.7	+0.15	373	6.5	55.95	8.39
1.8 - 2.8	+0.35	263	4.6	92.05	32.22
2.9 - 4.4	+0.55	81	1.4	44.55	24.50
4.5 - 7.0	+0.75	22	0.4	16.50	12.38
		<u>5699</u>	<u>99.9</u>	<u>-2020.35</u>	<u>1330.95</u>

$$\log \bar{x} = -0.35451$$

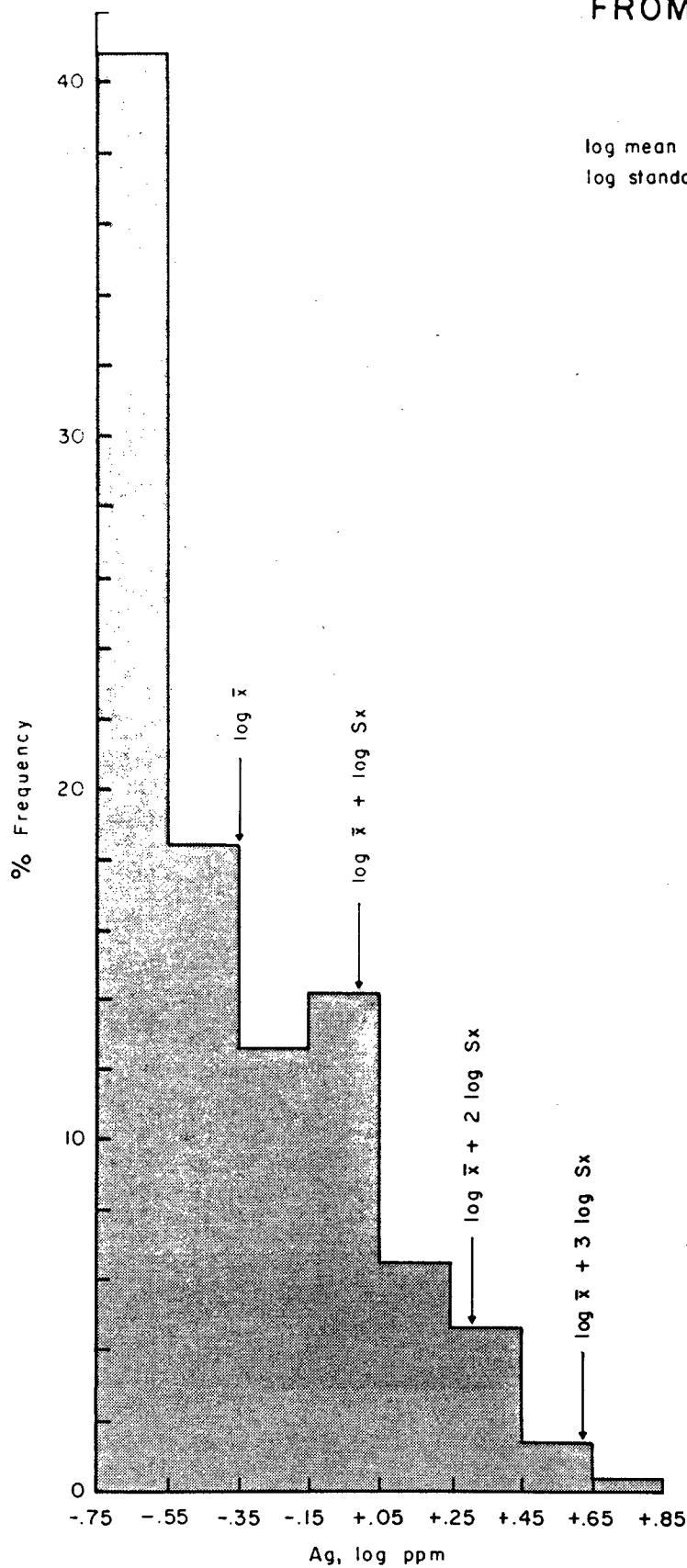
$$\bar{x} = 0.44 \text{ ppm}$$

$$\log S_x = 0.32846$$

$\log \bar{x}$	$\log S_x = -0.02605$	,	0.9 ppm
$\log \bar{x} + 2$	$\log S_x = 0.30241$	,	2.0 ppm
$\log \bar{x} + 3$	$\log S_x = 0.63087$	,	4.3 ppm
$\log \bar{x} + 4$	$\log S_x = 0.95933$	,	9.1 ppm

MIDWAY PROPERTY  
HISTOGRAM OF Ag VALUES  
FROM SOIL SAMPLES  
N = 5699

log mean ( $\log \bar{x}$ ) = 0.35451  
log standard deviation ( $\log Sx$ ) = 0.32846



MIDWAY, BARIUM STATISTICS

<u>Range, x,</u> ppm	<u>log x</u> midrange	<u>N</u>	<u>%f</u>	<u>N log x</u>	<u>N (log x)<sup>2</sup></u>
500-560	2.725	14	0.3	38.15	103.96
570-630	2.775	14	0.3	38.85	107.81
640-710	2.825	23	0.5	64.98	183.55
720-790	2.875	79	1.6	227.12	652.98
800-890	2.925	143	2.8	418.28	1223.45
900-1000	2.975	332	6.6	987.70	2938.41
1010-1120	3.025	553	11.0	1672.82	5060.30
1130-1260	3.075	535	10.6	1645.12	5058.76
1270-1410	3.125	582	11.6	1818.75	5683.59
1420-1580	3.175	539	10.7	1711.32	5433.46
1590-1780	3.225	491	9.8	1583.48	5106.71
1790-2000	3.275	415	8.3	1359.12	4451.13
2010-2240	3.325	291	5.8	967.58	3217.19
2250-2510	3.375	250	5.0	843.75	2847.66
2520-2820	3.425	180	3.6	616.50	2111.51
2830-3160	3.475	116	2.3	403.10	1400.77
3170-3550	3.525	103	2.0	363.08	1279.84
3560-3980	3.575	88	1.8	314.60	1124.70
3990-4470	3.625	73	1.4	264.62	959.27
4480-5010	3.675	60	1.2	220.50	810.34
5020-5620	3.725	52	1.0	193.70	721.53
5630-6310	3.775	38	0.8	143.45	541.52
6320-7080	3.825	36	0.7	137.70	526.70
7090-7940	3.875	16	0.3	62.00	240.25
		<u>5023</u>	<u>100.0</u>	<u>16096.27</u>	<u>51785.39</u>

$$\log \bar{x} = 3.20451$$

$$\log S_x = 0.20188$$

$$\bar{x} = 1601 \text{ ppm}$$

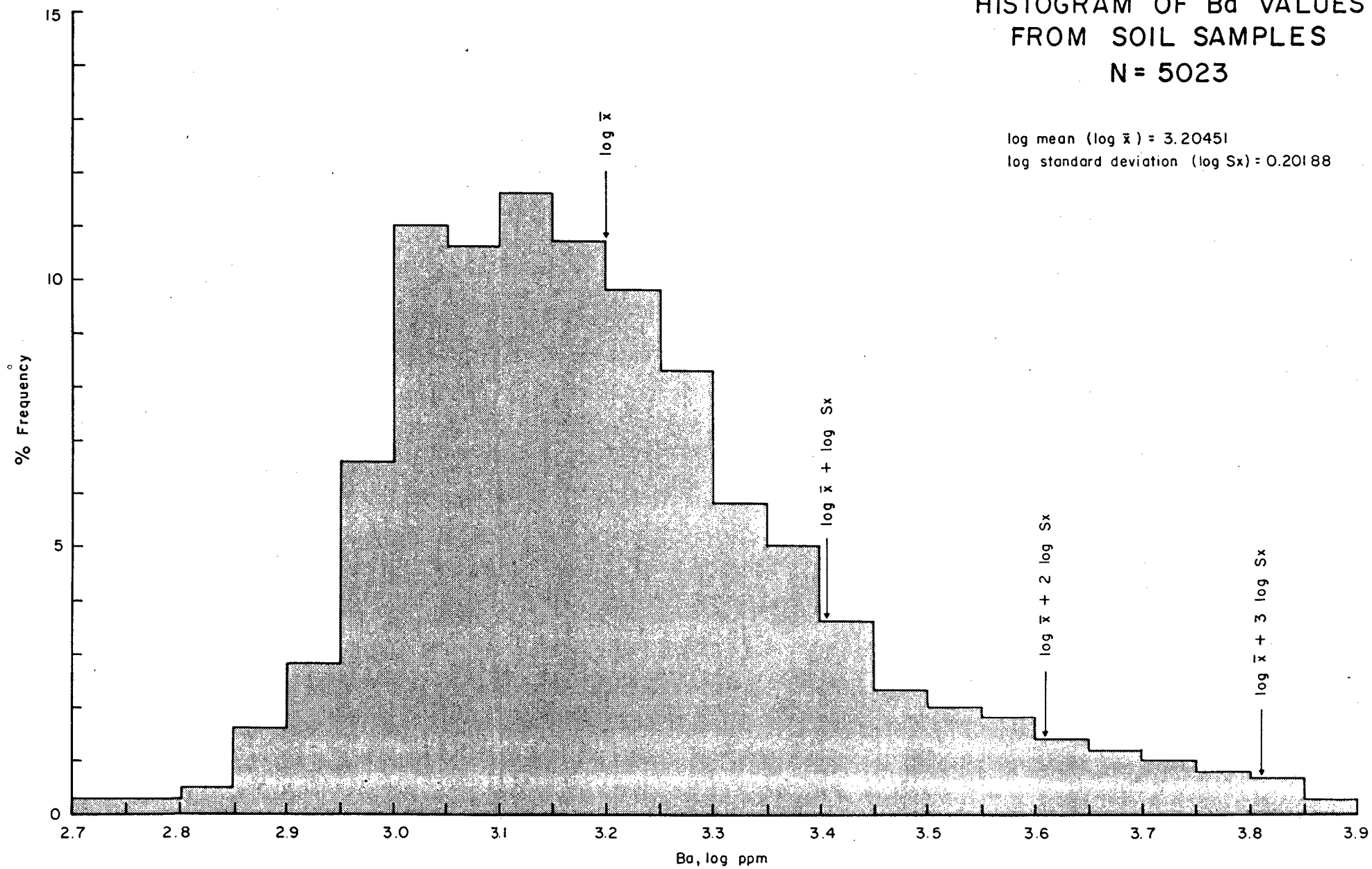
$$\begin{aligned} \log \bar{x} + \log S_x &= 3.40639 & , & \quad 2549 \text{ ppm} \\ \log \bar{x} + 2 \log S_x &= 3.60827 & , & \quad 4058 \text{ ppm} \\ \log \bar{x} + 3 \log S_x &= 3.81015 & , & \quad 6459 \text{ ppm} \\ \log \bar{x} + 4 \log S_x &= 4.01203 & , & \quad 10281 \text{ ppm} \end{aligned}$$

**NOTE** Approximately 700 Ba results were greater than 8000 ppm

MIDWAY PROPERTY  
HISTOGRAM OF Ba VALUES  
FROM SOIL SAMPLES  
N = 5023

log mean ( $\log \bar{x}$ ) = 3.20451

log standard deviation ( $\log S_x$ ) = 0.20188



## APPENDIX " B "

### ANALYTICAL RESULTS

- Grid Soil Sample Results
- Prospectors Sediment, Soil and Rock Results
- Diamond Drill Hole Core Results

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11800N-5000E		520	500	2.9	2830		12400N-5100E		36	164	0.5	940	
11850N-5000E		180	460	0.9	1790		12400N-5150E		61	156	1.3	1060	
11900N-5000E		139	1000	1.0	1500		12400N-5200E		59	184	0.9	1430	
12000N-5000E		123	365	1.2	1480		12400N-5250E		92	500	1.0	1600	
12050N-5000E		70	220	0.2	1330		12400N-5300E		82	256	1.2	1580	
12200N-5000E		98	250	1.4	1420		12400N-5350E		46	170	0.7	1460	
12200N-5050E		104	440	3.1	1060		12400N-5400E		203	520	1.9	1600	
12200N-5100E		420	1260	3.8	1580		12400N-5450E		135	740	2.0	2230	
12200N-5150E		226	620	3.4	1520		12400N-5500E		93	440	1.1	1870	
12200N-5200E		139	570	1.9	1890		12400N-5550E		102	480	1.2	1750	
12200N-5250E		81	263	0.4	1440		12400N-5600E		130	760	2.2	2240	
12200N-5300E		212	380	2.8	1790		12400N-5650E		123	371	1.1	1780	
12200N-5350E		450	550	3.2	3790		12400N-5700E		87	189	2.0	1790	
12200N-5400E		23	360	0.5	1550		12400N-5750E		91	223	0.8	1560	
12200N-5450E		335	700	3.1	3150		12400N-5800E		141	225	3.6	1390	
12200N-5500E		141	760	1.8	1870		12400N-5850E		176	375	1.5	1600	
12200N-5600E		160	1730	1.3	1860		12400N-5900E		135	205	2.6	1380	
12200N-5650E		130	390	1.4	1440		12400N-5950E		100	225	1.7	1510	
12200N-5700E		134	440	0.8	1780		12400N-6000E		62	149	2.1	1130	
12200N-5750E		114	208	1.0	1590		12400N-6050E		88	820	2.2	2200 CS-1	
12200N-5800E		155	227	3.0	1580		12450N-5000E		36	155	0.5	1420	
12200N-5850E		56	118	0.9	1180		12600N-5000E		40	152	0.5	1100	
12200N-5900E		35	80	0.4	900		12600N-5050E		38	132	0.6	1320	
12200N-5950E		155	307	1.6	1640		12600N-5100E		35	105	0.6	860	
12200N-6000E		61	97	0.8	1590		12600N-5150E		57	232	0.6	1310	
12250N-5000E		74	328	0.8	1340		12600N-5200E		82	600	2.2	1400	
12300N-5000E		43	170	0.5	1110		12600N-5250E		49	253	1.0	1540	
12350N-5000E		36	190	0.3	1280		12600N-5300E		15	80	0.3	1360	
12400N-5000E		42	173	0.2	1380		12600N-5350E		42	202	0.8	1520	
12400N-5050E		41	212	0.4	1116		12600N-5400E		278	560	2.2	4310	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
12600N-5500E		88	460	1.2	1870		12800N-5850E		33	126	0.9	1370	
12600N-5550E		82	560	1.3	1690		12800N-5900E		35	175	0.4	1150	
12600N-5600E		84	640	1.0	1750		12800N-5950E		45	135	0.6	1130	
12600N-5650E		112	460	1.2	1840		12800N-6000E		46	104	0.8	1340	
12600N-5700E		118	440	0.6	1870		12800N-6050E		90	820	2.0	2220	CS-1
12600N-5750E		79	232	0.8	1680		12850N-5000E		24	89	0.4	1300	
12600N-5800E		93	393	1.2	1790		12900N-5000E		14	85	0.3	1340	
12600N-5850E		81	358	1.2	1390		12950N-5000E		12	49	0.2	1030	
12600N-5900E		53	174	0.8	1270		13000N-5000E		11	72	0.3	980	
12600N-5950E		72	143	0.8	1410		13000N-5050E		7	40	0.2	1020	
12600N-6000E		100	312	1.0	1570		13000N-5100E		16	75	0.2	1100	
12650N-5000E		30	160	0.5	810		13000N-5150E		8	55	0.2	1130	
12750N-5000E		31	158	0.2	850		13000N-5200E		7	52	0.2	1040	
12800N-5000E		39	128	0.7	1040		13000N-5250E		7	45	0.2	1040	
12800N-5050E		29	120	0.6	1210		13000N-5300E		13	76	0.3	1290	
12800N-5100E		30	119	0.6	1300		13000N-5350E		306	960	2.6	3320	
12800N-5150E		22	140	0.4	1420		13000N-5400E		268	410	1.8	3120	
12800N-5200E		15	84	0.4	1310		13000N-5450E		18	87	0.3	1410	
12800N-5250E		39	285	0.7	1370		13000N-5500E		14	79	0.2	1340	
12800N-5300E		218	680	2.0	2960		13000N-5550E		16	79	0.3	1280	
12800N-5350E		277	660	2.4	2840		13000N-5600E		56	164	1.2	1730	
12800N-5400E		30	125	0.4	1540		13000N-5650E		56	198	0.5	2000	
12800N-5450E		13	68	0.3	1300		13000N-5700E		57	174	1.5	1780	
12800N-5500E		23	115	0.4	1510		13000N-5750E		40	169	0.6	1810	
12800N-5550E		79	238	0.4	1840		13000N-5800E		35	154	0.4	1880	
12800N-5600E		65	215	1.0	2090		13000N-5850E		58	180	0.7	1800	
12800N-5650E		46	142	0.7	1880		13000N-5900E		46	243	0.5	2120	
12800N-5700E		46	178	0.6	1760		13000N-5950E		100	73	0.3	1610	
12800N-5750E		41	169	1.3	2240		13000N-6000E		35	80	0.3	860	
12800N-5800E		64	126	0.5	1420		13050N-5000E		12	53	0.2	990	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
13100N-5000E		10	63	0.2	990		13400N-5150E		10	69	0.2	990	
13150N-5000E		16	120	0.3	1070		13400N-5200E		16	128	0.3	1040	
13200N-5000E		11	98	0.2	960		13400N-5250E		9	104	0.2	1060	
13200N-5050E		16	140	0.3	990		13400N-5300E		228	320	1.8	2900	
13200N-5100E		10	56	0.3	1060		13400N-5350E		211	460	2.2	2540	
13200N-5150E		15	90	0.2	980		13400N-5400E		7	35	0.2	1090	
13200N-5200E		10	61	0.2	1090		13400N-5450E		3	35	0.2	1000	
13200N-5250E		9	56	0.2	1070		13400N-5500E		7	46	0.2	1060	
13200N-5300E		33	250	0.4	1160		13400N-5550E		12	106	0.2	1150	
13200N-5350E		196	1080	2.6	3070		13400N-5600E		16	65	0.2	1160	
13200N-5400E		66	323	0.7	1560		13400N-5650E		12	55	0.2	1220	
13200N-5450E		14	65	0.2	1420		13400N-5700E		9	55	0.2	1050	
13200N-5500E		12	65	0.2	1240		13400N-5750E		33	160	0.7	1410	
13200N-5550E		13	70	0.2	1220		13400N-5800E		13	111	0.2	1530	
13200N-5600E		78	245	2.2	1950		13400N-5850E		32	118	0.8	1280	
13200N-5650E		31	190	0.8	1780		13400N-5900E		19	62	0.2	1260	
13200N-5700E		67	170	2.2	1720		13400N-5950E		33	184	0.9	1520	
13200N-5750E		47	174	1.2	1800		13400N-6000E		34	180	0.8	1750	
13200N-5800E		34	110	0.4	1440		13450N-5000E		14	86	0.2	1060	
13200N-5850E		34	250	0.6	2280		13500N-5000E		10	71	0.2	1070	
13200N-5900E		38	187	1.0	1940		13550N-5000E		32	95	0.2	940	
13200N-5950E		33	189	0.6	1790		13600N-5000E		25	145	0.2	1050	
13200N-6000E		33	140	0.4	1710		13600N-5050E		18	99	0.2	1020	
13200N-6050E		97	860	2.0	2300	CS-1	13600N-5100E		14	60	0.2	1030	
13250N-5000E		19	85	0.2	980		13600N-5150E		12	174	0.2	1030	
13300N-5000E		13	142	0.2	1010		13600N-5200E		12	112	0.2	960	
13350N-5000E		37	135	0.6	950		13600N-5250E		17	75	0.3	990	
13400N-5000E		18	302	0.2	970		13600N-5300E		24	180	0.4	1130	
13400N-5050E		16	125	0.5	1030		13600N-5350E		292	580	2.3	2630	
13400N-5100E		12	83	0.2	1030		13600N-5400E		9	70	0.2	1010	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
13600N-5450E		8	60	0.2	1060		13800N-5750E		8	92	0.2	1020	
13600N-5500E		11	71	0.2	1000		13800N-5800E		6	61	0.2	1020	
13600N-5550E		7	45	0.2	1060		13800N-5850E		10	66	0.2	1010	
13600N-5600E		12	59	0.2	1020		13800N-5900E		8	53	0.2	1010	
13600N-5650E		8	45	0.2	960		13800N-5950E		7	14	0.2	1050	
13600N-5700E		9	56	0.2	990		13800N-6000E		6	45	0.2	1090	
13600N-5750E		14	98	0.2	970		13800N-6050E		87	780	1.8	2250	CS-1
13600N-5800E		15	89	0.2	990		13850N-5000E		20	560	0.2	1010	
13600N-5850E		13	74	0.2	990		13900N-5000E		127	720	0.9	2370	
13600N-5900E		6	44	0.2	1040		13950N-5000E		36	330	0.5	1010	
13600N-5950E		10	55	0.2	1010		14000N-5000E		58	330	0.6	960	
13600N-6000E		13	82	0.2	1010		14000N-5450E		19	69	0.2	1080	
13600N-6050E		92	840	2.3	2260	CS-1	14000N-5500E		16	77	0.2	1010	
13650N-5000E		14	103	0.3	960		14000N-5550E		13	61	0.2	970	
13700N-5000E		6	32	0.2	1000		14000N-5600E		14	91	0.2	1000	
13750N-5000E		4	25	0.2	1050		14000N-5650E		15	118	0.2	1040	
13800N-5000E		5	32	0.2	1040		14000N-5700E		8	70	0.3	1000	
13800N-5050E		11	74	0.2	1250		14000N-5750E		13	76	0.3	1060	
13800N-5150E		4	40	0.2	1000		14000N-5800E		8	45	0.2	1730	
13800N-5200E		24	55	0.2	1080		14000N-5850E		11	84	0.3	2260	
13800N-5250E		8	54	0.2	1040		14000N-5900E		8	44	0.2	1050	
13800N-5300E		20	142	0.2	1300		14000N-5950E		9	85	0.2	1030	
13800N-5350E		45	154	0.3	1130		14000N-6000E		8	66	0.2	1010	
13800N-5400E		23	360	0.2	1040		14050N-5000E		260	3600	2.4	2970	
13800N-5450E		11	54	0.2	960		14100N-5000E		22	355	0.3	1000	
13800N-5500E		7	55	0.2	1010		14150N-5000E		11	104	0.2	1040	
13800N-5550E		14	74	0.2	1060		14200N-5000E		44	151	0.2	1220	
13800N-5600E		7	84	0.2	1090		14200N-5050E		275	4200	2.1	2810	
13800N-5650E		8	76	0.2	1070		14200N-5100E		199	3600	2.1	2430	
13800N-5700E		6	60	0.2	1010		14200N-5150E		212	5600	2.5	1780	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
10600N-5000E		370	160	3.0	3280		11200N-5650E		260	82	1.4	2090	
10600N-5050E		325	40	4.1	2020		11200N-5700E		280	70	2.5	1970	
10600N-5100E		485	30	7.7	2200		11200N-5750E		150	65	0.7	1890	
10600N-5150E		370	40	1.9	1010		11200N-5800E		215	100	5.0	1940	
10600N-5200E		120	42	1.9	970		11200N-5850E		195	80	2.3	2180	
10600N-5250E		210	50	1.8	1120		11200N-5900E		210	125	1.5	1460	
10650N-5000E		640	120	10.0	2760		11200N-5950E		125	65	1.9	1260	
10700N-5000E		1590	85	7.0	2560		11200N-6000E		118	103	1.5	1080	
10750N-5000E		450	40	4.7	2590		11200N-6050E		92	760	1.7	2260	CS-1
10800N-5000E		260	135	2.7	1800		11250N-5000E		545	52	3.4	5130	
10850N-5000E		495	75	4.6	2150		11300N-5000E		640	45	4.2	2520	
10900N-5000E		650	290	5.6	3360		11350N-5000E		1500	142	7.6	3430	
10950N-5000E		850	195	5.9	3330		11400N-4400E		200	220	2.0	1900	
11000N-5000E		700	400	5.4	3190		11400N-4450E		490	480	2.1	1070	
11050N-5000E		490	400	1.9	4560		11400N-4500E		200	410	1.3	740	
11100N-5000E		890	145	2.3	4900		11400N-4550E		450	500	3.3	960	
11150N-5000E		660	137	4.5	3810		11400N-4600E		540	620	4.4	1070	
11200N-5000E		810	125	4.6	4810		11400N-4650E		5800	9000	43.0	880	
11200N-5050E		520	105	4.2	3650		11400N-4700E		950	270	4.8	3230	
11200N-5100E		460	130	3.9	3250		11400N-4750E		1080	210	7.3	3140	
11200N-5150E		375	190	3.5	3420		11400N-4800E		480	400	6.2	1980	
11200N-5200E		440	200	3.5	3060		11400N-4850E		710	335	4.5	2060	
11200N-5250E		220	110	3.5	3300		11400N-4900E		660	205	2.6	1680	
11200N-5300E		535	120	4.8	2890		11400N-4950E		1050	140	4.3	2230	
11200N-5350E		210	48	3.4	2060		11400N-5000E		1900	185	5.3	2640	
11200N-5400E		148	17	1.4	2910		11400N-5050E		410	170	3.2	3220	
11200N-5450E		240	15	5.3	3540		11400N-5100E		430	150	3.0	2680	
11200N-5500E		380	90	4.1	3030		11400N-5150E		280	190	2.7	3300	
11200N-5550E		270	85	3.4	3030		11400N-5200E		840	225	4.8	3380	
11200N-5600E		295	85	1.9	2300		11400N-5250E		310	250	2.0	4340	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11400N-5300E		315	280	1.8	3340		11600N-5250E		1255	160	11.0	2980	
11400N-5400E		150	75	2.0	2810		11600N-5300E		1480	230	8.3	3320	
11400N-5450E		270	137	2.9	4510		11600N-5350E		275	150	2.2	3640	
11400N-5500E		220	135	0.5	2400		11600N-5400E		245	95	3.0	2690	
11400N-5550E		360	95	1.7	2390		11600N-5450E		210	85	2.6	2890	
11400N-5600E		215	100	2.6	2560		11600N-5500E		160	102	0.8	2850	
11400N-5650E		760	30	3.9	2440		11600N-5550E		140	237	1.7	2830	
11400N-5700E		170	50	1.1	2060		11600N-5600E		139	145	0.5	2180	
11400N-5750E		180	167	1.3	1920		11600N-5650E		280	95	2.1	1830	
11400N-5800E		140	90	0.9	1260		11600N-5700E		390	360	1.3	2210	
11400N-5850E		175	90	0.8	1170		11600N-5750E		182	170	2.0	1740	
11400N-5900E		195	120	3.2	1160		11600N-5800E		220	400	0.7	1590	
11400N-5950E		190	145	0.8	1120		11600N-5850E		195	115	2.0	1480	
11400N-6000E		215	62	0.9	1290		11600N-5900E		200	260	0.8	870	
11450N-5000E		1580	70	6.0	2530		11600N-5950E		164	132	0.7	1020	
11500N-5000E		320	85	5.8	3790		11650N-5000E		510	1480	1.9	2680	
11600N-4400E		42	195	0.2	1580		11700N-5000E		1670	5700	8.4	2160	
11600N-4450E		53	262	0.6	1860		11750N-5000E		1100	4400	8.2	2430	
11600N-4500E		149	600	1.6	4240		11800N-4350E		95	800	1.9	2290	CS-1
11600N-4600E		260	2400	2.5	710		11800N-4400E		111	362	0.3	970	
11600N-4650E		295	1300	3.0	1190		11800N-4450E		70	420	0.2	1360	
11600N-4750E		1150	390	7.6	4160		11800N-4500E		52	150	0.7	1380	
11600N-4800E		845	167	5.6	3140		11800N-4550E		59	140	0.2	1240	
11600N-4850E		245	240	1.3	1570		11800N-4600E		58	160	0.2	1200	
11600N-4900E		630	325	2.8	2150		11800N-4650E		60	195	0.2	1500	
11600N-4950E		695	570	1.9	1760		11800N-4700E		59	192	0.2	1800	
11600N-5050E		1250	1400	6.0	3060		11800N-4750E		157	225	1.9	2130	
11600N-5100E		825	3500	4.4	2400		11800N-4800E		350	1200	7.2	1690	
11600N-5150E		1190	760	6.0	2550		11800N-4850E		245	560	0.8	1920	
11600N-5200E		3350	95	15.0	4980		11800N-4900E		300	620	1.4	1690	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11800N-4950E		172	320	1.8	1780		12000N-5650E		152	325	1.3	1770	
11800N-5050E		1530	12000	9.4	1300		12000N-5700E		240	410	1.9	2270	
11800N-5050		1510	13000	9.0	1300	DS	12000N-5750E		119	235	0.4	1440	
11800N-5100E		3500	10200	16.0	1230		12000N-5800E		210	178	0.7	210	
11800N-5200E		3000	11000	14.0	4100		12000N-5850E		65	135	0.2	1470	
11800N-5250E		2400	13000	16.0	3000		12000N-5900E		93	310	0.4	2150	
11800N-5300E		530	750	3.7	2600		12000N-5950E		112	550	0.3	2130	
11800N-5350E		295	125	2.5	2840		12000N-6000E		310	560	1.4	1570	
11800N-5400E		320	120	2.3	3370		12000N-6050E		96	820	1.7	2250	CS-1
11800N-5450E		875	4600	9.3	1330		14000N-5050E		7	72	0.2	1280	
11800N-5500E		320	145	3.9	2540		14000N-5150E		145	1020	1.3	2300	
11800N-5550E		230	540	2.3	2200		14000N-5200E-A		9	280	0.2	1120	
11800N-5600E		145	520	1.4	2010		14000N-5200E-B		9	270	0.2	1120	DS
11800N-5650E		152	460	1.0	2030		14000N-5300E-A		13	55	0.2	1170	
11800N-5800E		150	650	0.6	2070		14000N-5300E-B		12	57	0.2	1170	DS
11800N-5900E		250	660	1.2	2320		14000N-5350E-A		9	45	0.2	1080	
11800N-6000E-A		215	500	1.7	2460		14000N-5350E-B		8	45	0.2	1090	DS
11800N-6000E-B		220	500	1.6	2480	DS	14000N-5400E		99	640	1.7	1060	
12000N-5050E		315	5000	2.3	IS		14000N-6050E		21	62	0.2	2280	CS-1
12000N-5100E		620	1980	6.0	1910		14400N-5000E		9	87	0.2	1020	
12000N-5150E		145	340	0.2	1410		14400N-5050E		17	150	0.2	1020	
12000N-5200E		410	340	2.8	3260		14400N-5100E		38	320	0.2	1050	
12000N-5250E		110	203	0.2	1900		14400N-5150E		240	6000	0.9	1490	
12000N-5300E		108	262	0.2	1810		14400N-5200E-A		430	13000	3.0	2070	
12000N-5350E		28	110	0.2	1660		14400N-5200E-B		435	11100	2.5	2080	DS
12000N-5400E		2070	640	13.0	3660		14400N-5200E-C		430	12000	2.4	2100	DS
12000N-5450E		205	480	1.0	2840		14400N-5250E-A		360	6600	1.3	1840	
12000N-5500E		200	1400	1.2	2760		14400N-5250E-B		350	6200	1.3	1860	DS
12000N-5550E		140	320	0.9	2290		14400N-5300E		49	1540	0.2	1220	
12000N-5600E		280	1450	1.4	2000		14400N-5350E		30	4100	0.4	1500	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
14400N-5400E		32	185	0.2	1040		14400N-6550E-A		16	53	0.4	1070	
14400N-5450E		40	113	0.2	1260		14400N-6550E-B		18	52	0.6	1060	DS
14400N-5500E		13	55	0.2	1350		14400N-6600E		33	98	0.2	1270	
14400N-5550E-A		16	60	0.2	1500		14400N-6650E		94	800	1.7	2200	CS-1
14400N-5550E-B		16	62	0.2	1520	DS	14450N-5000E		10	78	0.2	1040	
14400N-5600E		23	82	0.3	1930		14500N-5000E-A		12	122	0.2	1030	
14400N-5650E-A		15	62	0.2	1050		14500N-5000E-B		210	3600	0.4	1900	DS?
14400N-5650E-B		17	65	0.2	1060	DS	14600N-6200E		17	67	0.6	1530	
14400N-5700E		17	80	0.2	3370		14600N-6250E-A		12	62	0.4	1280	
14400N-5750E-A		14	72	0.2	1110		14600N-6250E-B		13	60	0.3	1250	DS
14400N-5750E-B		12	72	0.2	1120	DS	14600N-6300E		16	105	0.2	2030	
14400N-5800E		26	97	0.3	1270		14600N-6350E		21	72	0.5	1960	
14400N-5850E		16	60	0.3	1120		14600N-6400E		22	147	1.1	2260	
14400N-5900E-A		23	100	0.3	1170		14600N-6450E		30	105	0.3	3230	
14400N-5900E-B		23	98	0.2	1180	DS	14600N-6500E		20	72	0.3	1500	
14400N-5950E		11	55	0.3	1660		14600N-6550E		36	112	0.7	2180	
14400N-6000E-A		7	45	0.2	1060		14600N-6600E		30	102	0.3	1540	
14400N-6000E-B		5	45	0.2	1030	DS	14650N-5000E		16	125	0.2	1040	
14400N-6050E		22	105	0.4	1310		14700N-5000E		17	145	0.2	1010	
14400N-6100E		14	85	0.5	2560		14750N-5000E		15	115	0.2	1020	
14400N-6150E		14	48	0.5	1330		14800N-5000E		15	72	0.2	1010	
14400N-6200E		11	62	0.2	2160		14800N-5050E		24	85	0.4	990	
14400N-6250E		41	100	0.2	1690		14800N-5100E		194	335	1.2	3000	
14400N-6300E-A		22	60	0.2	1200		14800N-5150E		81	218	0.3	2120	
14400N-6300E-B		22	60	0.2	1190	DS	14800N-5200E		26	152	0.2	1100	
14400N-6350E		43	100	1.1	1330		14800N-5250E		24	90	0.3	890	
14400N-6400E-A		25	90	1.2	1170		14800N-5300E		10	105	0.2	1040	
14400N-6400E-B		26	95	1.3	1150	DS	14800N-5350E		12	95	0.2	980	
14400N-6450E		12	65	0.5	1090		14800N-5400E		14	87	0.2	1000	
14400N-6500E		35	85	0.2	1350		14800N-5450E-A		21	85	0.2	1870	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
8600N-3650E		30	182	1.6	1260		9000N-3850E		14	41	0.8	1940	
8600N-3700E		22	142	1.8	7280		9000N-3900E		14	94	0.9	3310	
8600N-3750E		24	113	0.9	3120		9000N-3950E		92	370	3.3	14190	
8600N-3800E		20	99	0.8	1410		9000N-4000E		24	196	0.4	2240	
8600N-3850E		24	103	0.9	1390		9000N-4050E		26	164	0.9	2180	
8600N-3900E		45	140	1.0	2200		9000N-4100E		22	136	0.6	2670	
8600N-3950E		40	252	1.3	2660		9000N-4150E		33	146	0.7	1950	
8600N-4000E		34	231	1.4	2250		9000N-4200E		24	139	0.7	1790	
8600N-4050E		34	213	0.7	2090		9000N-4250E		38	271	0.7	2490	
8800N-3650E		24	148	1.2	1570		9000N-4300E		24	213	1.0	>20000	7.0 % 2*
8800N-3700E		28	261	1.0	1420		9000N-4350E		40	228	0.9	1580	
8800N-3750E		18	171	0.7	1620		9000N-4400E		70	190	2.1	1660	
8800N-3800E		28	72	9.4	8420		9000N-4450E		40	257	1.0	2050	
8800N-3850E		18	77	1.9	11120		9200N-3650E		24	230	1.1	1600	
8800N-3900E		24	97	1.1	4650		9200N-3700E		34	247	1.2	1760	
8800N-3950E		19	146	0.8	2760		9200N-3750E		14	73	4.8	1230	
8800N-4000E		33	239	0.9	2590		9200N-3800E		24	88	1.3	1220	
8800N-4050E		24	156	0.9	2020		9200N-3850E		34	224	1.9	3350	
8800N-4100E		18	153	0.7	1420		9200N-3900E		18	134	1.8	1870	
8800N-4150E		32	200	0.8	1530		9200N-3950E		32	90	1.6	1740	
8800N-4200E		32	189	0.8	1840		9200N-4000E		240	410	3.8	1720	
8800N-4250E		32	189	0.9	1980		9200N-4050E		73	191	2.0	3370	
8800N-4300E		30	194	0.8	1710		9200N-4100E		20	103	0.6	1190	
8800N-4350E		35	210	0.8	1880		9200N-4150E		29	123	0.9	1300	
8800N-4400E		34	187	1.0	1380		9200N-4200E		68	238	3.4	2190	
8800N-4450E		88	755	1.9	2180	CS-1	9200N-4250E		33	183	1.5	1970	
9000N-3650E		18	397	1.0	2430		9200N-4300E		31	181	1.6	1590	
9000N-3700E		98	10	1.9	850		9200N-4350E		30	150	0.7	1140	
9000N-3750E		74	285	5.1	3290		9200N-4400E		24	158	1.0	1370	
9000N-3800E		18	173	0.7	1780		9400N-3650E		33	195	0.8	5410	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
9400N-3700E		36	243	0.9	5670		9600N-4350E		200	226	2.0	1570	
9400N-3750E		42	225	1.4	6040		9600N-4400E		156	445	1.7	1680	
9400N-3800E		31	187	0.4	1680		9800N-3650E		50	420	1.9	4850	
9400N-3850E		16	127	0.8	1900		9800N-3700E		32	123	0.6	1870	
9400N-3900E		32	120	2.2	1770		9800N-3750E		48	100	0.4	890	
9400N-3950E		40	136	1.2	1480		9800N-3800E		64	221	1.3	1760	
9400N-4000E		32	234	1.1	1450		9800N-3850E		71	278	1.2	2740	
9400N-4050E		20	75	0.8	1680		9800N-3900E		112	264	1.6	2970	
9400N-4100E		66	178	2.9	2680		9800N-3950E		68	175	2.4	2630	
9400N-4150E		78	182	2.5	1300		9800N-4000E		45	363	0.9	2860	
9400N-4200E		1340	600	11.0	1460		9800N-4050E		128	900	1.4	2400	
9400N-4250E		52	180	1.0	1680		9800N-4100E		390	2770	1.6	4440	
9400N-4300E		66	267	1.2	2810		9800N-4150E		32	440	0.6	1650	
9400N-4350E		26	147	0.8	1510		9800N-4200E		30	272	0.6	1750	
9400N-4400E		32	750	0.4	1890		9800N-4250E		102	354	0.5	3860	
9400N-4450E		94	800	1.8	2200	CS-1	9800N-4300E		25	123	0.6	3890	
9600N-3650E		34	150	0.6	1890		9800N-4350E		38	295	1.6	5460	
9600N-3700E		22	214	0.4	1850		9800N-4400E		40	243	1.2	3480	
9600N-3750E		66	650	2.8	4980		9800N-4450E		56	268	1.4	3070	
9600N-3800E		31	341	1.9	2420		9800N-4500E		118	390	1.6	2380	
9600N-3850E		28	252	2.3	2140		9800N-4600E		133	376	1.6	3040	
9600N-3900E		48	185	1.1	3170		9800N-4700E		136	185	1.8	1990	
9600N-3950E		12	77	0.4	3540		9800N-4750E		181	203	1.8	2120	
9600N-4000E		84	675	2.4	18070		9800N-4800E		136	700	3.3	2940	
9600N-4050E		20	165	0.7	4050		9800N-4850E		86	228	1.6	1950	
9600N-4100E		23	131	1.3	1410		9800N-4900E		82	102	0.7	1570	
9600N-4150E		24	297	1.8	1680		9800N-4950E		110	188	0.9	1940	
9600N-4200E		17	251	0.6	1460		9800N-5000E		78	119	0.6	1490	
9600N-4250E		32	183	1.1	1530		9800N-5050E		63	133	1.4	1450	
9600N-4300E		160	825	5.3	2240		9800N-5100E		260	352	1.6	1780	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
9800N-5150E		170	284	1.5	1540		10000N-5000E		66	123	1.0	3110	
9800N-5200E		88	156	0.9	1550		10000N-5050E		43	180	0.6	3130	
9800N-5250E		1240	169	3.8	2250		10000N-5100E		680	129	4.1	1910	
9800N-5300E		530	192	2.9	2040		10000N-5150E		174	85	2.8	1560	
9800N-5350E		480	190	2.6	1390		10000N-5200E		320	96	1.2	1870	
9800N-5400E		165	355	1.0	1490		10000N-5250E		141	80	2.0	1070	
9800N-5450E		1260	112	6.6	1240		10000N-5300E		300	71	2.2	1070	
9800N-5500E		154	151	1.9	1320		10000N-5350E		210	110	1.5	760	
9800N-5550E		335	193	2.2	1330		10000N-5400E		200	84	1.0	1230	
9800N-5600E		116	142	0.8	1200		10000N-5450E		1380	25	3.9	1420	
9800N-5650E		287	195	1.8	1490		10000N-5500E		6700	67	6.9	820	
9800N-5700E		92	105	0.6	1140		10000N-5550E		250	64	1.2	1080	
9800N-5750E		112	161	1.3	1460		10000N-5600E		350	76	1.9	1100	
9800N-5800E		310	306	1.2	2010		10000N-5650E		180	103	1.0	1340	
9800N-5850E		128	142	1.8	1400		10000N-5700E		170	75	1.0	760	
9800N-5900E		186	249	3.1	1430		10000N-5750E		200	79	1.1	880	
9800N-5950E		220	53	4.0	1010		10000N-5800E		148	57	2.1	1770	
9800N-6000E		280	315	1.4	1920		10000N-5850E		116	105	2.2	1890	
9850N-5000E		98	77	1.8	2060		10000N-5900E		200	117	2.8	1650	
9900N-5000E		105	188	0.8	1870		10000N-5950E		81	53	1.2	1350	
9950N-5000E		46	145	3.1	2260		10000N-6000E		60	118	1.2	1720	
10000N-4400E		30	111	0.5	2870		10050N-5000E		300	405	4.9	3720	
10000N-4450E		43	357	1.4	4280		10100N-5000E		35	229	1.2	2640	
10000N-4500E		66	655	1.7	2270		10150N-5000E		86	198	0.7	2940	
10000N-4550E		94	1665	1.0	1640		10200N-4350E		96	790	1.9	2230	CS-1
10000N-4650E		126	880	1.6	1720		10200N-4400E		340	600	0.6	1350	
10000N-4800E		60	114	0.7	1830		10200N-4450E		100	655	1.6	1530	
10000N-4850E		240	530	17.0	1950		10200N-4500E		182	1890	2.6	1350	
10000N-4900E		46	355	0.8	2440		10200N-4550E		420	2460	4.0	2270	
10000N-4950E		60	167	2.1	2530		10200N-4600E		122	306	1.7	1490	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
10200N-4650E		65	261	0.7	1770		10350N-5000E		690	277	6.4	2430	
10200N-4700E		34	525	0.5	1490		10400N-4400E		330	5870	3.6	1200	
10200N-4750E		53	106	1.0	1480		10400N-4450E		188	1050	1.0	1160	
10200N-4800E		100	151	1.1	1630		10400N-4500E		420	2580	3.6	1660	
10200N-4850E		320	282	3.4	2590		10400N-4550E		138	1975	1.5	1440	
10200N-4900E		300	199	4.6	2300		10400N-4600E		900	3650	9.2	2520	
10200N-4950E		240	110	1.7	2400		10400N-4650E		58	470	2.2	2660	
10200N-5000E		510	106	3.6	1390		10400N-4700E		340	297	1.6	1980	
10200N-5050E		840	83	7.3	1480		10400N-4750E		55	500	1.8	1470	
10200N-5100E		1080	34	6.0	1160		10400N-4800E		1180	220	9.6	3530	
10200N-5150E		370	115	4.7	1430		10400N-4850E		300	106	2.2	4590	
10200N-5200E		500	47	3.1	1260		10400N-4900E		550	42	1.6	4230	
10200N-5250E		910	57	3.6	1050		10400N-4950E		280	277	3.0	1910	
10200N-5300E		500	95	3.9	830		10400N-5000A		830	191	5.0	2580	
10200N-5350E		170	74	1.4	1150		10400N-5000B		1080	250	6.4	3020	DS?
10200N-5400E		500	69	1.9	1010		10400N-5050E		440	167	6.5	2420	
10200N-5450E		136	64	2.3	1380		10400N-5100E		1300	185	12.0	2380	
10200N-5500E		180	61	1.5	1430		10400N-5150E		1360	26	14.0	1590	
10200N-5550E		102	61	1.8	1280		10400N-5200E		1880	18	12.0	1470	
10200N-5600E		135	70	1.0	1270		10400N-5250E		600	57	6.7	940	
10200N-5650E		200	67	1.7	1020		10400N-5300E		1240	20	18.0	2340	
10200N-5700E		220	89	1.5	1420		10400N-5350E		680	30	5.3	1050	
10200N-5750E		260	138	2.6	1470		10400N-5400E		380	72	4.7	1200	
10200N-5800E		180	76	1.6	1530		10400N-5450E		290	45	2.4	1010	
10200N-5850E		180	96	1.4	1330		10400N-5500E		270	51	3.4	1070	
10200N-5900E		240	242	2.2	2600		10400N-5550E		280	51	2.4	1140	
10200N-5950E		89	107	1.8	1260		10400N-5600E		270	62	1.6	1170	
10200N-6000E		176	69	2.4	1790		10400N-5650E		190	49	3.4	860	
10250N-5000E		450	89	3.6	1530		10400N-5700E		180	65	2.1	1180	
10300N-5000E		430	167	4.5	2150		10400N-5750E		290	60	6.6	940	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
10400N-5800E		320	44	2.9	770		10600N-5850E		340	57	1.0	1360	
10400N-5850E		260	51	4.1	890		10600N-5900E		115	61	2.2	1110	
10400N-5900E		130	100	1.9	1400		10600N-5950E		80	27	0.7	1090	
10400N-5950E		147	148	1.6	1530		10600N-6000E		73	48	0.5	1190	
10400N-6000E		120	75	1.3	2130		10800N-4350E		94	685	1.6	1990	C5-1
10450N-5000E		1300	194	6.4	3190		10800N-4400E		2600	2450	13.0	430	
10500N-5000E		620	101	4.2	2230		10800N-4450E		750	1740	6.8	850	
10550N-5000E		320	265	2.0	2580		10800N-4500E		3800	>20000	16%	20.0	1040
10600N-4400E		4000	4480	10.0	920		10800N-4550E		2400	7250	16.0	750	
10600N-4450E	1.72% >10000	>20000	>50.0	54.8	5840	1*	10800N-4600E	1.04% >10000	>20000	2.28%	43.0	1300	
10600N-4500E	1.86% >10000	>20000	>50.0	59.0	1040		10800N-4650E	1.59% >10000	>20000	1.3%	60.3	1390	
10600N-4550E	4100	14100	14.0	1340			10800N-4700E	7300	8200	44.0	1190		
10600N-4600E	1140	>20000	5.6	3240		1*	10800N-4750E	4400	7770	24.0	1180		
10600N-4650E	660	1955	5.5	4720			10800N-4800E	1340	1890	8.2	3080		
10600N-4700E	64	46	1.1	4250			10800N-4850E	780	245	6.5	2700		
10600N-4750E	73	169	3.8	900			10800N-4900E	380	161	4.4	2380		
10600N-4800E	180	188	1.5	1990			10800N-4950E	270	74	3.4	2780		
10600N-4850E	56	359	0.6	2560			10800N-5050E	210	19	3.8	2630		
10600N-4900E	240	213	2.1	2050			10800N-5100E	210	38	5.2	1930		
10600N-4950E	800	185	3.0	2150			10800N-5150E	510	32	9.0	2390		
10600N-5350E	148	67	2.0	1080			10800N-5200E	280	49	2.7	1540		
10600N-5400E	151	50	1.4	1120			10800N-5250E	132	52	1.5	1220		
10600N-5450E	166	60	1.5	1040			10800N-5300E	83	48	0.8	1120		
10600N-5500E	220	58	2.6	1200			10800N-5350E	38	29	0.5	1410		
10600N-5550E	210	44	1.3	1060			10800N-5400E	54	43	1.0	1030		
10600N-5600E	180	46	1.4	1090			10800N-5450E	28	32	0.2	810		
10600N-5650E	220	55	1.6	1160			10800N-5500E	83	44	0.6	920		
10600N-5700E	146	40	1.8	1150			10800N-5550E	80	46	0.7	930		
10600N-5750E	94	39	1.7	1070			10800N-5600E	133	68	1.6	1310		
10600N-5800E	93	40	0.7	1090			10800N-5650E	118	53	1.1	1240		





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
3600E-5500N		14	155	0.6	1790		3600E-7000N		30	280	0.7	2070	
3600E-5550N		33	130	0.4	1440		3600E-7050N		24	187	0.7	1540	
3600E-5600N		26	210	0.8	2570		3600E-7100N		28	220	0.6	1970	
3600E-5650N		31	165	0.3	1600		3600E-7150N		23	145	0.7	1680	
3600E-5700N		78	450	1.5	5890		3600E-7200N		32	160	0.6	2020	
3600E-5750N		38	125	3.9	1200		3600E-7250N		29	280	0.7	1560	
3600E-5800N		158	225	9.7	1020		3600E-7300N		45	580	1.2	2170	
3600E-5850N		25	130	0.5	1870		3600E-7350N		30	175	0.7	1830	
3600E-5900N		12	62	0.9	1320		3600E-7400N		26	178	0.6	2060	
3600E-5950N		24	140	0.4	2000		3600E-7450N		31	205	0.8	1890	
3600E-6000N		29	130	0.6	1810		3600E-7500N		34	255	0.9	2080	
3600E-6050N		24	170	0.6	1760		3600E-7550N		27	410	0.8	2700	
3600E-6100N		25	235	0.5	1610		3600E-7600N		40	360	0.9	2200	
3600E-6150N		35	525	1.2	2100		3600E-7650N		36	240	0.6	2190	
3600E-6200N		28	385	1.1	1810		3600E-7700N		30	280	1.4	2330	
3600E-6250N		22	390	0.6	1310		3600E-7750N		34	540	1.2	2390	
3600E-6300N		34	180	1.3	2310		3600E-7800N		36	560	3.2	2010	
3600E-6350N		52	480	1.5	2240		3600E-7850N		38	365	0.8	2240	
3600E-6400N		28	205	0.6	2560		3600E-7900N		31	325	0.6	1780	
3600E-6450N		29	120	0.5	2400		3600E-7950N		38	190	0.8	1700	
3600E-6500N		13	82	0.4	1430		3600E-8000N		28	170	0.7	1760	
3600E-6550N		35	290	0.7	2490		3600E-8050N		28	202	0.9	1930	
3600E-6600N		46	220	1.0	2830		3600E-8100N		26	235	0.7	2000	
3600E-6650N		30	202	0.6	2680		3600E-8150N		22	180	0.9	1590	
3600E-6700N		38	240	0.8	2170		3600E-8200N		37	450	1.9	4120	
3600E-6750N		34	230	0.9	1650		3600E-8250N		36	300	0.8	2830	
3600E-6800N		36	178	0.8	1540		3600E-8300N		34	220	0.6	3400	
3600E-6850N		31	238	0.7	1860		3600E-8350N		36	210	0.8	1500	
3600E-6900N		30	270	0.6	1820		3600E-8400N		30	190	0.3	2130	
3600E-6950N		32	278	0.9	1950		3600E-8450N		31	150	0.6	2180	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
3600E-8500N		28	240	1.0	3420		6600N-2650E		22	220	1.1	2000	
3600E-8550N		22	150	1.0	1880		6600N-2700E		63	310	3.9	2410	
3600E-8600N		41	318	1.3	1600		6600N-2750E		58	420	3.1	5500	
3600E-8650N		29	135	0.6	1540		6600N-2800E		23	270	1.0	2080	
3600E-8700N		36	82	1.8	2440		6600N-2850E		57	700	4.3	20000	
3600E-8750N		21	110	0.9	4570		6600N-2900E		193	300	9.6	2660	
3600E-8800N		20	78	4.1	12800		6800N-2500E		25	240	0.6	1780	
3600E-8850N		14	97	0.9	2150		6800N-2550E		9	80	0.8	1180	
3600E-8900N		21	68	0.7	2090		6800N-2600E		24	170	0.5	1990	
3600E-8950N		11	130	1.0	1830		6800N-2650E		16	180	0.4	1750	
3600E-9000N		33	50	1.3	1750		6800N-2700E		17	265	0.9	2670	
3600E-9050N		28	280	0.7	1710		6800N-2750E		29	400	1.4	4260	
3600E-9100N		15	305	0.7	1370		6800N-2800E		16	80	3.6	1370	
3600E-9150N		12	190	0.2	1010		6800N-2850E		30	225	1.6	2570	
3600E-9200N		16	125	0.2	1930		7000N-2400E		24	170	0.5	1910	
3600E-9250N		12	105	0.2	1320		7000N-2450E		19	100	0.2	1460	
3600E-9300N		13	165	0.8	1940		7000N-2500E		9	42	0.5	1580	
3600E-9350N		38	195	1.4	3500		7000N-2550E		20	110	2.5	1470	
3600E-9400N		46	215	1.6	3930		7000N-2600E		12	52	1.6	1310	
3600E-9450N		39	210	0.7	5250		7000N-2650E		14	300	0.9	8560	
3600E-9500N		40	210	0.8	5510		7000N-2700E		17	390	1.0	11500	
3600E-9550N		56	258	1.4	5000		7000N-2750E		13	110	0.8	2760	
3600E-9600N		52	230	1.6	5740		7000N-2800E		16	440	0.9	11800	
3600E-9650N		49	250	0.8	4260		7000N-2850E		16	260	0.8	7830	
3600E-9700N		33	230	0.8	6960		7000N-2900E		12	108	0.6	5180	
3600E-9750N		24	235	0.2	1510		7000N-2900E-A		26	530	1.0	2980 ds?	
3600E-9800N		25	198	0.5	1620		7000N-2950E		15	178	0.6	8530	
6600N-2500E		10	120	1.0	2060		7000N-3000E		15	130	0.2	3400	
6600N-2550E		129	160	1.0	2820		7000N-3050E		15	102	0.9	2550	
6600N-2600E		27	200	0.5	2230		7000N-3100E		14	70	0.8	4490	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
7000N-3150E		10	130	1.3	9690		7200N-3450E		18	262	1.0	2000	
7000N-3200E		15	72	2.4	8070		7200N-3500E		19	220	1.3	1680	
7000N-3250E		12	220	1.8	>20000	6.4%	7200N-3550E		32	260	0.7	2260	
7000N-3300E		15	100	2.0	3770		7400N-1950E		88	760	1.8	2260	cs-1
7000N-3350E		26	280	1.0	2650		7400N-2000E		106	145	1.0	2690	
7000N-3400E		33	400	1.3	1750		7400N-2050E		7	100	0.8	1810	
7000N-3450E		18	380	1.3	1730		7400N-2100E		16	210	0.2	1510	
7000N-3500E		21	480	1.1	1710		7400N-2150E		20	280	0.2	1180	
7000N-3550E		20	170	0.7	1450		7400N-2200E		20	258	0.8	2530	
7200N-2350E		24	165	0.6	1760		7400N-2250E		915	720	7.9	2700	
7200N-2400E		32	370	0.8	2500		7400N-2300E		12	65	1.0	1160	
7200N-2450E		16	95	0.2	1610		7400N-2350E		13	85	0.6	1310	
7200N-2500E		19	150	0.2	1140		7400N-2400E		11	250	1.4	2020	
7200N-2550E		32	315	0.7	1130		7400N-2450E		18	230	1.4	7500	
7200N-2600E		20	540	1.7	9490		7400N-2500E		17	130	1.5	1700	
7200N-2650E		23	215	1.3	3960		7400N-2550E		14	275	2.0	1890	
7200N-2700E		17	225	0.6	4850		7400N-2600E		25	225	1.5	2370	
7200N-2750E		10	35	1.0	7370		7400N-2650E		16	152	2.7	1540	
7200N-2800E		22	380	1.5	3610		7400N-2700E		14	305	0.4	2140	
7200N-2850E		75	278	1.4	4620		7400N-2750E		60	302	3.2	4370	
7200N-2950E		15	100	0.6	9860		7400N-2800E		19	100	2.2	5050	
7200N-3000E		18	74	0.7	2490		7400N-2850E		22	195	0.9	4140	
7200N-3050E		7	20	0.6	3770		7400N-2900E		9	90	0.2	2060	
7200N-3100E		11	110	0.6	13190		7400N-2950E		11	65	0.2	1850	
7200N-3150E		14	140	2.0	9710		7400N-3000E		12	47	0.5	4880	
7200N-3200E		13	125	1.5	8210		7400N-3050E		14	125	0.4	3730	
7200N-3250E		20	180	1.3	3870		7400N-3100E		19	55	1.8	6080	
7200N-3300E		25	265	1.8	3570		7400N-3150E		16	210	0.9	14000	
7200N-3350E		22	400	1.1	2610		7400N-3200E		15	145	0.9	8940	
7200N-3400E		24	342	1.6	2330		7400N-3250E		21	120	1.5	9120	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
7400N-3300E		14	360	1.2	2500		7600N-3150E		14	115	0.6	2580	
7400N-3350E		18	185	0.5	2920		7600N-3200E		33	340	1.9	5530	
7400N-3400E		14	170	1.1	4010		7600N-3250E		20	185	1.0	4750	
7400N-3450E		31	350	1.9	2140		7600N-3300E		26	175	0.4	2800	
7400N-3500E		24	260	1.3	1710		7600N-3350E		20	230	0.5	2730	
7400N-3550E		27	420	2.1	1880		7600N-3400E		21	110	0.6	3650	
7600N-1950E		90	740	1.7	2190	CS-1	7600N-3450E		13	155	0.2	1940	
7600N-2000E		14	55	0.2	1210		7600N-3500E		19	65	2.9	7480	
7600N-2050E		17	90	0.2	1280		7600N-3550E		22	195	1.1	1500	
7600N-2100E		16	135	0.2	1540		8200N-2000E		12	155	0.3	1190	
7600N-2150E		16	270	0.9	7380		8200N-2050E		16	142	0.4	1890	
7600N-2200E		16	135	0.3	1230		8200N-2150E		15	85	0.6	920	
7600N-2250E		17	130	1.0	1180		8200N-2200E		15	105	1.1	770	
7600N-2300E		14	125	0.6	2670		8200N-2250E		24	95	0.4	1120	
7600N-2350E		15	220	0.6	2080		8200N-2300E		18	95	0.2	1650	
7600N-2400E		13	235	0.8	2260		8200N-2350E		20	220	0.7	5880	
7600N-2450E		15	210	0.5	2080		8200N-2400E		14	230	0.7	7170	
7600N-2500E		17	260	0.2	1930		8200N-2450E		22	160	0.9	1840	
7600N-2550E		13	400	0.3	2990		8200N-2500E		12	195	0.4	1880	
7600N-2600E		14	265	0.5	1920		8200N-2550E		15	137	0.4	1680	
7600N-2650E		17	205	0.7	2800		8200N-2600E		24	265	0.9	2510	
7600N-2700E		16	220	1.9	2300		8200N-2650E		19	590	1.1	2120	
7600N-2750E		15	170	1.5	3990		8200N-2700E		25	255	0.9	1610	
7600N-2800E		12	37	0.4	2260		8200N-2750E		10	25	0.4	1230	
7600N-2850E		12	110	0.2	2580		8200N-2800E		11	55	0.4	1420	
7600N-2900E		19	80	0.7	1860		8200N-2850E		11	110	0.8	4860	
7600N-2950E		39	118	1.3	2210		8200N-2900E		12	85	1.1	5510	
7600N-3000E		13	55	0.5	5340		8200N-2950E		14	70	1.0	5300	
7600N-3050E		18	178	0.7	1820		8200N-3000E		16	98	1.2	8520	
7600N-3100E		14	115	0.5	1280		8200N-3050E		16	130	1.0	3210	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ra PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ra PPM	NOTES
8200N-3100E		13	130	0.9	3160		8400N-2250E		17	100	0.2	2000	
8200N-3150E		15	80	1.3	2030		8400N-2300E		22	265	0.3	1330	
8200N-3200E		11	98	0.8	2430		8400N-2350E		19	90	0.4	1450	
8200N-3250E		18	175	0.8	1910		8400N-2400E		12	150	0.3	1610	
8200N-3300E		11	35	0.6	1620		8400N-2450E		13	80	0.5	1190	
8200N-3350E		11	215	0.5	2540		8400N-2500E		20	102	1.2	1740	
8200N-3400E		13	110	0.2	1310		8400N-2550E		14	182	0.6	2170	
8200N-3450E		13	205	0.6	4950		8400N-2600E		13	160	0.3	1640	
8200N-3500E		20	150	0.7	13000		8400N-2650E		12	50	0.3	1630	
8200N-3550E		43	570	1.6	3530		8400N-2750E		10	255	0.3	1760	
8200N-3650E		30	280	1.0	1920		8400N-2800E		20	195	0.2	1660	
8200N-3700E		30	150	0.4	1860		8400N-2850E		13	260	0.8	1860	
8200N-3750E		29	255	0.9	1570		8400N-2900E		15	125	0.5	1370	
8200N-3800E		21	180	0.2	1560		8400N-2950E		16	260	1.0	2020	
8200N-3850E		32	255	0.5	1760		8400N-3000E		22	365	0.2	1870	
8200N-3900E		38	225	1.0	2170		8400N-3050E		14	100	0.2	2310	
8200N-3950E		28	265	0.6	1600		8400N-3150E		11	90	0.7	2460	
8200N-4000E		28	290	0.5	1930		8400N-3200E		19	90	0.9	2640	
8200N-4050E		30	295	0.3	1900		8400N-3250E		28	260	0.8	1670	
8200N-4100E		27	200	0.4	2000		8400N-3300E		10	40	0.2	1540	
8200N-4150E		19	135	0.3	1410		8400N-3350E		10	135	0.3	1240	
8200N-4200E		18	135	0.6	1330		8400N-3400E		19	178	0.7	2150	
8200N-4250E		19	160	0.4	1300		8400N-3450E		15	90	0.3	2150	
8200N-4300E		14	80	0.5	990		8400N-3500E		29	228	1.0	3980	
8200N-4350E		18	100	0.7	1420		8400N-3550E		14	62	0.3	1840	
8200N-4400E		16	100	0.4	1460		8400N-3650E		74	220	0.7	2150	
8400N-2050E		17	95	0.3	1120		8400N-3700E		23	205	0.7	2010	
8400N-2100E		19	95	0.7	1120		8400N-3750E		21	182	0.6	2100	
8400N-2150E		22	150	0.6	2740		8400N-3800E		23	225	0.4	1850	
8400N-2200E		21	105	0.8	1530		8400N-3850E		30	260	0.8	2070	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
3600E	4200N	22	172	0.2	1830		4800N	4750N	8	34	0.3	560	
	4250N	34	345	0.2	2080			2450E	81	730	1.8	2240	CS-1
	4300N	23	117	0.3	1830			2500E	21	440	0.2	1355	
	4350N	40	132	0.5	1570			2550E	39	248	0.2	1550	
	4400N	18	82	0.2	1390			2600E	51	333	0.4	1440	
	4450N	32	54	0.2	1020			2650E	48	420	0.3	1910	
	4500N	11	46	0.2	740			2700E	29	150	0.2	1390	
	4550N	13	68	0.2	690			2800E	19	115	0.6	1610	
4600N	2550E	36	225	0.4	1620			2850E	49	184	0.2	1660	
	2600E	16	265	0.3	2760			2900E	21	173	0.5	1720	
	2700E	28	168	0.3	1110			3000E	40	163	0.2	1590	
	2750E	21	184	0.2	2040			3050E	26	375	0.7	7480	
	2800E	40	165	0.2	1600			3100E	22	140	0.2	1610	
	2850E	20	400	0.2	3030			3150E	22	232	0.5	3570	
	2900E	26	230	0.2	1710			3200E	35	282	0.7	4070	
	2950E	19	280	0.4	1730			3250E	19	237	0.8	4650	
	3000E	23	104	0.2	1230			3300E	27	160	0.3	1500	
	3100E	18	168	0.3	3180			3350E	14	52	0.4	720	
	3150E	40	317	0.2	1700			3400E	25	95	0.2	990	
	3200E	63	420	0.5	2080			3450E	8	44	0.2	520	
	3250E	10	420	0.4	1460			3500E	23	65	0.2	1390	
	3300E	28	172	0.2	1500			3550E	540	298	1.6	4040	
	3350E	28	150	0.2	4130			3600E	20	197	0.2	1280	
	3400E	29	95	0.2	1400		5000N	2600E	44	500	0.6	2000	
	3450E	15	55	0.2	720			2650E A	40	185	0.2	1290	
	3500E	18	30	0.2	960			2650E B	40	180	0.2	1290	DS
	3550E	23	75	0.2	850			2700E	22	120	0.2	1510	
3600E	4600E	19	50	0.2	980			2750E	80	380	1.1	1550	
	4650N	12	50	0.2	1110			2800E A	15	115	0.2	1180	
	4700N	20	70	0.2	1020			2800E B	16	116	0.2	1170	DS



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
50N	2850E	17	75	0.2	1230			3500E	26	295	0.9	2310	
	2900E	22	84	0.2	121			3550E	23	198	1.0	2040	
5200N	2500E	4	30	0.2	430		3600E	5400N	18	82	0.2	1120	
	2550E	7	44	0.2	540			5450N	18	130	0.4	1340	
	2600E	28	124	0.4	1140		5600N	2450E	106	750	1.9	2220	CS-1
	2650E	36	210	0.4	1160			2500E	16	125	0.3	2160	
	2700E	41	245	0.3	1350			2550E	10	72	0.2	1130	
	2750E	6	20	0.2	460			2600E	17	162	0.2	1320	
	2800E	17	84	0.2	930			2650E	58	188	2.0	1980	
	2850E	18	148	1.5	3430			2700E	56	218	0.2	2100	
5400N	2500E	100	780	1.7	2220	CS-1		2750E	15	155	0.2	3540	
	2550E	13	77	0.2	920			2800E	18	440	0.7	6170	
	2600E	11	107	0.2	1010			2850E	35	200	3.0	5760	
	2650E	13	75	0.2	940			2900E	54	490	2.2	7270	
	2700E	14	82	0.2	750			2950E	62	1330	0.5	1910	
	2750E	71	240	0.2	1770			3000E	91	1060	2.0	2370	
	2800E	55	210	0.2	1540			3050E	102	400	0.2	1500	
	2850E	33	1300	1.1	7990			3100E	139	730	0.6	1320	
	2900E	37	195	0.2	2810			3150E	129	980	0.5	1290	
	2950E	35	256	0.2	1740			3200E	36	125	0.4	1470	
	3000E	58	295	0.2	1420			3250E	69	325	0.2	1710	
	3050E	47	120	0.3	1020			3300E	76	198	1.1	1150	
	3100E	9	65	0.2	1040			3350E	28	240	0.2	1460	
	3150E	12	155	0.5	1100			3400E	27	240	0.3	1380	
	3200E	16	104	1.2	1270			3450E	18	222	1.0	1030	
	3250E	15	230	0.2	1290			3500E	17	228	0.5	1830	
	3300E	18	132	1.8	1280			3550E	19	355	0.7	2290	
	3350E	18	248	1.0	1360		5800N	2700E	22	225	0.2	1930	
	3400E	16	260	0.8	1680			3200E	48	205	1.5	1730	
	3450E	22	212	0.9	2630			3250E	25	90	0.6	1600	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
58N 3300E		38	94	2.6	6320		4850E		20	140	0.2	1510	
3350E		46	80	1.0	1750		4900E		20	155	0.2	1770	
3400E		40	135	7.1	2870		4950E		27	164	0.5	2170	
3450E		39	240	0.9	>20000	3.0% 2*	5000E		21	145	0.3	1580	
3500E		30	130	2.0	2370		5050E		20	145	0.9	1360	
3550E		35	210	2.1	1820		5100E		27	189	0.9	2110	
3650E		400	188	27.0	990		5150E		32	210	0.7	1710	
3700E		31	185	1.9	2290		5200E		21	158	0.3	1680	
3750E		28	160	3.2	2360		5250E		24	165	0.2	1990	
3800E		32	165	0.8	2340		5300E		21	175	0.2	1480	
3850E		26	125	0.5	2140		5350E		20	160	0.2	1230	
3900E		27	238	1.0	1960		5400E		13	135	0.4	1050	
3950E		23	185	0.7	1790		5450E		12	95	0.5	840	
4000E		25	198	0.5	1930		5500E		11	65	0.6	860	
4050E		23	236	0.7	1650		5550E		9	50	0.5	820	
4100E		22	164	0.6	2270		5600E		16	75	0.4	1180	
4150E		22	300	0.5	1480		5650E		23	135	2.5	1160	
4200E		23	376	0.6	1830		5700E		23	70	1.0	810	
4250E		38	155	1.0	2530		5750E		26	134	0.5	1370	
4300E		23	167	0.5	1670		5800E		22	112	1.0	1000	
4350E		28	168	0.6	2000		5850E		14	45	0.5	1080	
4400E		22	158	0.5	1650		5900E		33	170	0.6	1240	
4450E		22	175	0.5	1540		5950E		14	70	0.4	1010	
4500E		16	114	0.2	1120		6000E		19	198	0.4	1760	
4550E		12	120	0.2	1070		6000N 2650E		11	124	0.6	1720	
4600E		19	144	0.4	1110		2700E		14	84	0.8	1820	
4650E		32	360	0.2	1420		2800E		17	170	0.9	1860	
4700E		48	376	0.6	2300		2850E		22	165	0.8	2050	
4750E		25	95	0.2	1360		2900E		15	164	0.2	1810	
4800E		18	115	0.2	1310		2950E		19	156	1.8	1540	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
60N	3000E	13	260	1.6	1590			3200E	16	202	1.9	7980	
	3050E	21	80	1.6	1470			3250E	16	282	1.7	3960	
	3100E	10	105	0.9	1290			3300E	20	81	1.1	2310	
	3150E	31	114	1.7	2780			3350E	16	110	1.0	1710	
	3200E	55	95	2.0	2610			3400E	25	168	1.0	1870	
	3250E	20	116	2.6	2480			3450E	15	130	0.6	1370	
	3300E	34	116	1.2	2080			3500E	23	305	1.0	1590	
	3350E	36	185	1.6	2420			3550E	18	222	0.4	1550	
	3400E	39	135	0.9	1280		6400N	2450E	93	740	1.9	2200	CS-1
	3450E A	31	178	0.2	1820			2500E	21	168	0.6	1860	
	3450E B	24	160	0.5	1790	OS		2550E	21	152	0.7	2140	
	3500E	19	175	0.4	1860			2600E	59	640	2.6	5610	
	3550E	37	192	1.9	2150			2650E	31	520	1.4	2320	
6200N	2350E	95	700	1.9	2210	CS-1		2700E	24	590	1.1	2130	
	2400E	20	156	0.6	2130			2750E	32	580	1.3	3340	
	2450E	29	225	1.0	1970			2800E	52	360	1.2	>20000	4.2% 2*
	2500E	45	310	1.8	4830			2850E	67	710	5.4	5460	
	2550E	17	40	0.4	1680			2900E	31	1520	3.3	10470	
	2600E	19	162	2.0	2690			2950E	44	96	3.1	930	
	2650E	27	430	1.6	3280			3000E	186	650	17.0	860	
	2700E	21	330	1.2	2500			3050E	49	276	4.3	750	
	2750E	25	430	1.3	3300			3100E	41	620	6.4	14820	
	2800E	21	660	1.8	2450			3150E	16	400	2.2	3260	
	2850E	28	550	2.2	2820			3200E	13	106	2.0	17620	
	2900E	15	270	2.4	1780			3250E	25	148	2.6	4580	
	2950E	26	630	2.5	1850			3300E	28	134	2.6	2830	
	3000E	22	138	4.4	1390			3350E	34	520	2.1	3150	
	3050E	66	123	2.9	1140			3400E	57	325	2.3	1740	
	3100E	37	164	2.6	1410			3450E	18	225	1.8	1460	
	3150E	25	174	2.2	4360			3500E	38	286	0.8	1900	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
6600N	3550E	44	172	0.8	2510		2200E		23	122	0.9	1440	
	2950E	139	156	12.0	1770		2300E		20	205	0.4	2260	
	3000E	186	216	12.0	1300		2350E		61	500	0.9	1840	
	3050E	92	210	11.0	930		2400E		17	295	0.5	1640	
	3100E	90	156	8.5	1150		2450E		19	315	2.5	2950	
	3150E	123	255	11.0	1390		2500E		24	560	11.0	850	
	3200E	16	184	3.0	1580		2550E		14	385	2.6	1320	
	3250E	23	182	3.5	4360		2600E A		16	130	3.0	2650	
	3300E	22	268	1.3	3280		2600E B		16	128	2.8	2680 DS	
	3350E	28	260	1.6	2020		2650E		17	90	0.4	1450	
6800N	3400E	32	420	1.1	1990		2700E		19	142	0.7	1710	
	3450E	73	490	2.6	4070		2750E		24	52	0.8	1720	
	3500E	39	312	1.3	2950		2800E		11	60	0.3	1580	
	3550E	38	332	0.6	2020		2850E		11	80	0.2	1800	
	2950E	24	2300	1.4	10360		2900E		14	62	0.2	1590	
	3000E	35	420	1.6	10490		2950E		18	110	0.8	2210	
	3050E	23	380	1.8	7370		3000E		15	78	1.0	1340	
	3100E	17	214	1.3	6470		3050E		21	150	0.4	1760	
	3150E	22	228	0.7	3900		3100E		16	120	0.4	1800	
	3200E	18	530	0.6	5270		3150E A		27	238	0.5	1600	
7800N	3250E	43	38	7.2	14720		3150E B		24	224	0.6	1610 DS	
	3300E	37	164	1.5	2860		3200E		21	156	0.8	1480	
	3350E	28	185	1.1	2050		3250E A		17	140	0.5	3310	
	3400E	30	284	0.6	1920		3250E B		16	132	0.6	3310 DS	
	3450E	36	276	1.0	2150		3300E		23	460	0.7	5380	
	3500E	36	248	1.3	2240		3350E		30	215	1.1	5020	
	3550E	36	205	0.8	1760		3400E		23	460	0.6	3970	
	1950E	94	740	1.6	2230 CS-1		3450E		23	236	0.8	5090	
	2000E	20	60	0.2	680		3500E		17	153	1.5	5180	
	2050E	17	310	1.0	4370		3550E		18	410	1.4	3690	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
3600E-4850N		194	322	0.7	4540		5100N		24	160	0.6	2290	
4900N		104	286	0.7	3700		5150N		18	134	0.3	1430	
4950N		108	193	0.6	1950		5200N		13	129	0.4	1680	
5000N		39	226	0.3	1550		5250N		18	126	0.3	1870	
5050N		21	136	0.5	1150		5300N		21	120	0.5	1800	
5100N		24	253	0.3	1010		5350N		16	88	0.2	1310	
5150N		20	97	0.3	1130		5400N		25	117	0.5	1490	
5200N		17	196	0.7	1510		5450N		25	183	1.0	1410	
5250N		28	154	0.6	1880		5500N		53	2490	0.9	2410	
5300N		13	112	0.8	1520		5550N		40	287	1.0	1480	
5350N		26	160	0.6	1430		5600N		21	111	0.4	1180	
4000E-4150N		87	1070	1.8	2300	CS-2	5650N		21	164	0.9	1420	
4200N		49	93	0.4	1420		5700N		20	135	0.4	1590	
4250N		28	151	0.4	1590		5750N		26	276	0.7	1510	
4300N		65	111	0.3	1350		5800N		28	195	0.9	2050	
4350N		21	81	0.5	1050		4400E-4100N		104	895	1.5	2240	CS-1
4400N		19	86	0.5	1380		4150N		24	120	0.6	1530	
4450N		31	89	0.4	1120		4200N		24	133	0.3	1530	
4500N		55	119	0.5	1150		4250N		28	129	0.5	1920	
4550N		25	70	0.3	730		4300N		19	132	0.2	1650	
4600N		31	209	0.3	1360		4350N		28	110	0.2	1730	
4650N		59	158	0.3	1930		4400N		25	165	0.4	1930	
4700N		27	119	0.2	1640		4450N		21	120	0.7	2050	
4750N		33	158	0.4	1560		4500N		46	123	0.3	1510	
4800N		93	154	0.5	1640		4550N		63	179	0.3	1630	
4850N		77	680	0.3	1650		4600N		61	259	0.5	2180	
4900N		17	60	0.3	1480		4650N		85	590	1.6	3020	
4950N		22	131	0.4	1460		4700N		51	224	4.2	2670	
5000N		20	103	0.6	1860		4750N		45	158	0.8	2200	
5050N		25	445	0.9	2200		4800N		22	277	2.4	7410	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
44E													
4850N		19	87	3.3	2970		4450N-B		11	133	0.3	1760	
4900N		37	570	0.5	2630		4500N		10	500	0.4	>20000	
4950N		25	174	0.3	1510		4550N-A		17	73	0.7	3010	
5000N		20	86	0.6	1260		4550N-B		8	99	0.5	2830	
5050N		42	525	1.9	2610		4600N-A		13	87	2.0	5440	RESAMPLED
5100N		74	465	0.7	4120		4600N-B		8	94	0.5	2720	
5150N		20	131	0.4	1940		4650N-A		29	118	1.5	4130	
5200N		11	87	0.4	870		4650N-B		12	81	0.3	2800	
5250N		30	111	0.8	2060		4700N-A		22	107	2.2	4480	
5300N		21	162	0.7	1240		4700N-B		9	94	0.4	1740	
5350N		16	113	0.8	1450		4750N		24	232	0.6	2000	
5400N		17	137	0.6	1240		4800N		33	126	1.4	1890	
5450N		28	269	0.8	1940		4850N		39	105	3.1	2280	
5500N		41	298	1.2	1400		4900N-A		21	134	0.4	1520	
5550N		59	590	4.1	1490		4900N-B		14	32	0.2	1950	RESAMPLED
5600N		30	347	1.7	1650		4950N		32	185	0.6	1780	
5650N		32	220	0.5	2310		5000N		25	232	0.4	1460	
5700N		37	355	0.5	2290		5050N		36	269	0.4	1970	
5750N		41	378	0.7	2240		5100N		29	138	0.5	1840	
5800N		25	179	0.3	1730		5150N		28	124	0.9	1790	
5850N		90	840	1.5	2240	CS-1	5200N		30	210	1.4	2050	
4800E-4150N		98	800	2.0	2250	CS-1	5250N		24	170	0.2	1810	
4200N		14	80	0.7	1480		5300N		21	153	0.2	1600	
4250N		26	176	0.6	1810		5350N		25	188	1.5	1600	
4300N		34	455	2.0	2740		5400N		24	219	1.4	1510	
4350N-A		24	275	0.5	1770		5450N		23	182	0.2	1650	
4350N-B		10	74	0.2	1350		5500N		40	231	0.7	2590	
4400N-A		26	270	0.5	1890		5550N		30	223	0.2	1750	
4400N-B		10	131	0.3	1720		5600N		27	174	0.2	1750	
4450N-A		21	285	0.4	1720		5650N		20	144	0.2	1620	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
48E													
5700N		23	324	0.2	1520		5300N		29	207	0.4	1430	
5750N		18	120	0.2	1420		5350N		24	167	0.2	1320	
5200E-3950N		93	825	1.6	2220	CS-1	5400N		22	132	0.4	1490	
4000N		21	2420	0.5	2010		5450N		21	217	0.2	1570	
4050N		29	1020	2.4	1650		5500N		26	189	1.0	1370	
4100N		46	226	1.8	1810		5550N		18	292	0.7	860	
4150N		59	277	2.6	2020		5600N		18	288	0.4	870	
4200N		57	450	3.5	4940		5650N		25	153	0.4	1520	
4250N		42	368	1.8	>20000		5700N		19	88	0.2	1380	
4300N		40	281	1.1	4940		5750N		16	80	0.2	1370	
4350N		24	510	1.8	7270		5600E-3950N		103	800	1.8	2240	CS-1
4400N		25	252	0.9	1790		4000N		21	570	1.5	2010	
4450N		33	224	0.2	1930		4050N		19	226	2.0	1530	
4500N		45	332	0.2	2340		4100N		26	343	2.8	2730	
4550N		72	530	2.1	1590		4150N		28	161	1.8	2240	
4600N		40	354	1.1	2270		4200N		43	565	2.4	4480	
4650N-A		37	820	1.8	2050		4250N		15	284	0.9	2090	
4650N-B		94	820	1.8	2330	CS-1	4300N		30	313	0.9	2550	
4700N		33	185	0.3	1180		4350N		30	254	0.9	2420	
4750N		28	172	0.2	1140		4400N		21	200	0.4	2180	
4800N		31	209	0.3	1240		4450N		32	97	0.5	2410	
4850N		32	207	0.2	1230		4500N		24	169	0.2	1940	
4900N		34	271	0.2	1060		4550N		22	205	0.2	1390	
4950N		35	231	0.2	1370		4600N		28	172	0.2	1570	
5000N		43	271	1.0	1100		4650N		22	155	0.2	1510	
5050N		73	106	0.5	2340		4700N		21	117	0.2	1520	
5100N		20	181	0.2	900		4750N		19	111	0.2	1070	
5150N		17	156	0.2	870		4800N		16	101	0.2	1350	
5200N		16	116	0.2	920		4850N		15	107	0.2	1130	
5250N		35	248	1.9	1360		4900N		16	108	0.6	1180	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
56E													
4950N		25	160	0.2	1010		7100N		16	77	0.7	1170	
5000N		14	104	0.2	1220		7150N		13	54	0.3	850	
5050N		23	136	0.2	1180		6000E-4100N		47	445	2.3	3530	
5100N		16	106	0.2	1000		4150N		27	278	0.8	3040	
5150N		11	97	0.2	1160		4200N		29	273	1.0	11140	
5200N		11	55	0.2	930		4250N		49	241	0.8	7170	
5250N		11	71	0.2	990		4300N		16	131	0.2	1180	
5300N		16	115	0.3	1120		4350N		26	99	0.8	2140	
5350N		14	99	0.3	1050		4400N		32	204	0.8	1540	
5400N		16	95	0.4	1180		4450N		21	115	0.8	1510	
5450N		16	122	0.3	840		4500N		22	128	0.5	1530	
5500N		11	80	0.6	1000		4550N		17	120	0.5	1430	
5550N		13	92	0.3	890		4600N		20	87	0.5	980	
5600N		11	93	0.3	830		4700N		21	107	0.6	930	
5650N		18	110	0.3	1030		4750N		27	181	0.5	1250	
5700N		18	81	0.4	870		4800N		25	126	2.1	1200	
5750N		22	126	0.3	950		4850N		13	72	0.3	780	
6450N		10	78	0.3	980		4900N		15	68	0.6	880	
6500N		23	94	0.2	1040		4950N		12	71	0.2	810	
6550N		9	37	0.2	950		5000N		12	65	0.4	860	
6600N		19	77	1.2	1130		5050N		12	78	0.2	910	
6650N		14	67	0.2	1060		5100N		13	62	0.4	860	
6700N		14	68	0.3	1190		5150N		15	62	0.2	860	
6750N		16	134	0.3	1590		5200N		13	71	0.3	920	
6800N		11	32	0.2	1120		5250N		14	75	0.2	920	
6850N		17	78	0.3	1170		5300N		8	76	0.2	840	
6900N		20	104	0.8	1170		5350N		15	76	0.2	950	
6950N		12	266	1.5	920		5400N		14	88	0.2	1040	
7000N		21	118	0.4	970		5450N		15	115	0.3	1020	
7050N		18	75	0.9	990		5500N		18	87	0.8	1050	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
60E													
5550N		17	73	0.2	790		5250N		8	26	0.2	740	
5600N		14	58	0.2	840		5300N		11	49	0.3	850	
5650N		20	74	0.5	1060		5350N		11	35	0.2	860	
5700N		22	87	0.8	1120		5400N		14	53	0.2	920	
5750N		22	100	0.8	1410		5450N		13	61	0.2	900	
6400E-3950N		94	820	1.3	2220	CS-1	5500N		13	74	0.2	1010	
4000N		20	156	0.2	1680		5550N		16	40	0.2	900	
4050N		20	160	0.2	1730		5600N		11	45	0.2	820	
4100N		15	133	0.3	1500		5650N		12	50	0.2	750	
4150N		16	226	0.6	1560		5700N		14	71	0.2	850	
4200N		16	281	0.8	2270		5750N		16	85	0.2	1110	
4250N		22	248	1.0	3360		6800E-3750N		92	785	1.6	2220	CS-1
4300N		23	131	0.4	2620		3800N		16	306	0.2	1300	
4350N		22	172	0.6	2330		3850N		9	104	0.2	1190	
4400N		32	143	0.3	1550		3900N		17	226	0.2	2120	
4450N		22	140	0.3	1310		3950N		15	100	0.2	1180	
4500N		25	168	0.6	1560		4000N		13	91	0.2	1320	
4550N		29	149	0.5	1530		4050N		12	78	0.2	1260	
4600N		23	152	0.4	1340		4100N		19	158	0.3	1400	
4650N		26	280	1.9	1550		4150N		13	89	0.2	1020	
4700N		16	98	0.2	700		4200N		13	77	0.2	1050	
4800N		33	202	0.3	1080		4250N		10	84	0.2	1170	
4850N		22	138	0.2	970		4350N		14	103	0.4	910	
4900N		20	70	0.3	730		4400N		11	97	1.0	880	
4950N		12	54	0.2	800		4450N		11	83	0.2	850	
5000N		11	54	0.2	780		4500N		11	66	0.2	840	
5050N		17	76	0.2	980		4550N		16	74	1.5	4840	
5100N		12	45	0.2	840		4600N		14	156	0.1	5900	
5150N		12	67	0.2	850		4700N		12	70	0.6	1290	
5200N		11	51	0.2	810		4750N		10	39	0.2	1480	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
68E													
4800N		9	65	0.2	1630		4500N		13	65	0.2	1700	
4850N		11	84	0.2	1820		4550N		13	60	0.2	1800	
4900N		11	67	0.2	1150		4600N		16	71	0.2	1420	
4950N		13	78	0.3	1160		4650N		17	77	0.2	1580	
5000N		12	84	0.2	1110		4700N		22	97	0.3	1930	
5050N		12	69	0.2	960		4750N		31	155	0.9	3330	
5100N		16	103	0.6	990		4800N		15	172	2.3	1880	
5150N		15	72	0.2	920		4850N		20	169	2.2	2940	
5200N		13	68	0.2	810		4900N		29	101	0.6	2150	
5250N		16	65	0.2	1060		4950N		24	184	1.5	2580	
5300N		14	111	0.2	820		5000N		19	145	1.5	2720	
5350N		17	67	0.2	980		5050N		14	122	1.2	2220	
5400N		24	89	0.2	1050		5100N		13	108	0.2	2050	
5450N		12	60	0.2	850		5150N		10	92	0.5	2070	
5500N		18	86	0.4	1100		5200N		9	80	1.1	2040	
5550N		12	48	0.2	1190		5250N		12	110	1.0	1780	
7200E-3800N		14	92	0.2	1180		5300N		10	73	0.2	1440	
3850N		16	99	0.2	1360		5350N		6	54	0.2	1230	
3900N		11	101	0.2	1130		5400N		14	89	0.2	1160	
3950N		16	249	0.2	1470		5450N		14	100	0.2	1560	
4000N		21	282	0.8	1670		5500N		10	195	1.3	1780	
4050N		9	77	0.2	1030		5550N		14	85	0.2	1120	
4100N		12	96	0.2	2470		5600N		19	88	0.2	1340	
4150N		21	345	0.8	9140		7600E-3750N		90	805	1.8	2240	CS-1
4200N		24	137	0.7	8530		3800N		13	49	0.2	700	
4250N		22	116	0.2	6210		3850N		14	244	0.5	2070	
4300N		16	82	0.2	3690		3900N		12	108	0.2	2640	
4350N		24	100	0.3	5740		3950N		12	118	0.2	2520	
4400N		23	94	0.7	5200		4000N		13	162	1.1	2640	
4450N		30	129	0.3	6160		4050N		11	188	0.2	2700	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
4100N		13	126	0.2	2430		3850N		41	195	0.3	1570	
4150N		9	59	0.2	2180		3900N		14	309	0.6	1370	
4200N		13	118	0.4	2680		4000N		47	198	0.8	3930	
4250N		24	132	1.0	2600		4050N		32	445	0.6	3400	
4300N		14	104	0.5	1920		4100N		15	243	1.3	3290	
4350N		12	101	0.7	1840		4150N		24	200	0.8	2790	
4400N		18	131	0.2	2640		4200N		15	95	0.6	2500	
4450N		10	116	1.6	1140		4250N		9	77	0.5	2050	
4500N		9	79	1.2	1200		4300N		15	144	1.1	4890	
4550N		9	87	0.7	1150		4400N		9	135	2.2	1760	
4600N		18	103	0.6	1680		4450N		13	162	0.6	3710	
4650N		9	96	0.5	1230		4500N		12	168	1.6	1270	
4700N		20	106	0.3	6120		4550N		11	127	1.3	1780	
4750N		17	111	1.6	4380		4600N		9	96	0.7	760	
4800N		9	72	0.4	1720		4650N		11	109	1.5	1280	
4850N		17	92	0.3	3280		4700N		12	99	0.5	1580	
4900N		14	105	0.9	3750		4750N		14	124	0.7	2430	
4950N		14	100	1.6	2990		4800N		14	95	1.4	2170	
5000N		24	157	2.1	4290		4850N		13	107	1.1	1770	
5050N		13	135	2.1	4110		4900N		12	94	1.1	1480	
5100N		14	125	2.4	3810		4950N		9	83	0.5	1600	
5150N		14	131	2.1	1870		5000N		7	54	0.7	1770	
5200N		16	148	2.1	2190		5050N		10	112	0.6	2430	
5250N		13	120	2.7	3520		5100N		8	79	0.7	3760	
5300N		11	132	0.5	3280		5150N		11	100	0.4	3690	
5400N		9	117	2.2	2120		5200N		9	74	1.3	4040	
5450N		17	48	0.4	1650		5250N		9	58	0.2	1890	
5500N		9	25	0.2	1150		5300N		7	87	1.1	3900	
5550N		11	47	0.2	1120		5350N		7	104	1.3	2530	
8000E-3800N		26	151	0.4	1430		5400N		5	144	1.4	1330	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
5450N		8	141	0.4	2010		5000N-3050E		27	152	0.5	1320	
5500N		8	75	1.2	1680		3100E		57	74	1.0	870	
8400E-3750N		91	775	1.9	2230	CS-1	3150E		36	101	0.7	1030	
3800N		10	435	1.0	1120		3200E		135	250	0.8	1360	
3850N		10	152	0.9	1250		3250E		132	104	0.8	1420	
3950N		4	35	0.5	10500		3300E		43	170	0.7	1490	
4000N		6	38	0.5	10300		3350E		18	243	0.8	1740	
4050N		24	279	0.7	1830		3400E		23	234	0.6	1820	
4100N		7	264	1.9	1110		3450E		25	165	0.5	1710	
4200N		6	233	1.4	1080		3500E		16	160	0.2	1150	
4250N		5	154	0.2	1250		3550E		23	135	1.1	1750	
4300N		4	130	1.1	1870		5200N-2900E		39	175	0.4	1250	
4500N		5	61	0.8	2060		2950E		46	168	1.1	1560	
4750N		3	80	0.3	1240		3000E		52	175	0.7	1800	
4800N		ND	61	0.7	1680		3050E		205	227	1.0	1530	
4850N		6	143	0.4	1530		3100E		79	221	0.7	1630	
4900N		3	88	1.5	1290		3150E		24	235	0.5	1570	
4950N		3	117	1.0	1410		3200E		22	173	1.4	1510	
5000N		2	86	0.6	1320		3250E		23	266	1.0	1320	
5050N		3	104	1.3	1370		3300E		16	220	0.7	1130	
5100N		ND	63	1.0	1320		3350E		25	184	1.4	1270	
5150N		6	145	0.7	1920		3400E		17	165	0.5	1060	
5200N		3	63	0.2	1650		3450E		16	128	1.1	1010	
5250N		2	77	0.9	2070		3500E		23	225	0.5	1260	
5300N		7	106	0.7	2900		3550E		18	138	0.5	1300	
5350N		8	167	1.3	2560		5600N-7250E		13	67	0.5	1120	
5400N		7	76	0.4	2340		7400E		13	73	1.0	1330	
5450N		11	44	1.2	1280		7450E		11	105	1.1	1970	
5500N		7	53	0.3	1540		7600E		11	39	0.9	1310	
5550N		12	52	0.3	1770		7650E		16	124	1.1	1770	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES
12500E	19800N	54	108	1.0		5980		21450N		63	191	0.6		1840	
	19850N	60	162	1.1		2650		21500N		81	223	0.6		1950	
	19900N	31	73	0.4		8460		21550N		40	99	0.2		1320	
	19950N	49	79	0.4		>20000	6* 24000	21600N		54	106	0.2		1110	
	20000N	51	65	1.0		>20000	6* 24000	21650N		42	123	0.2		890	
	20050N	27	84	0.2		12000		21700N		240	540	0.8		7160	
	20100N	60	81	0.4		>20000	6* 24000	19600N	12550E	220	391	3.1		5870	
	20150N	41	81	0.2		1220			12600E	63	100	0.3		8380	
	20200N	38	178	1.7		1220			12650E	48	80	0.3		3630	
	20250N	64	105	0.5		1030			12700E	77	152	1.0		2590	
	20300N	33	585	0.4		1850			12750E	50	113	0.2		1200	
	20350N	37	196	0.3		1240			12800E	83	192	2.6		1980	
	20400N	27	154	0.2		1150			12850E	49	126	0.2		1420	
	20450N	49	148	0.2		990			12900E	39	98	0.3		1390	
	20500N	900	383	6.8		1100			12950E	49	121	0.4		1730	
	20550N	68	322	1.4		1060			13000E	55	127	0.8		1130	
	20600N	66	405	1.4		1130			13050E	50	106	0.4		1010	
	20650N	58	180	0.5		1300			13100E	27	109	0.4		1010	
	20700N	33	180	0.2		1030			13150E	47	227	0.7		1550	
	20750N	40	206	0.3		1040			13200E	22	143	0.3		1060	
	20850N	73	194	0.5		1000			13250E	28	192	0.4		910	
	20900N	46	153	0.7		1300			13300E	24	205	0.4		970	
	20950N	20	170	0.3		950			13350E	37	182	0.3		1170	
	21050N	35	108	0.2		950			13400E	25	153	0.6		990	
	21100N	31	94	0.4		970			13500E	27	124	0.3		960	
	21150N	139	137	1.2		1300			13550E	26	131	1.7		1120	
	21250N	46	160	0.8		1660			13600E	27	151	0.9		840	
	21300N	40	134	1.0		1600			13650E	24	148	0.3		850	
	21350N	30	93	0.6		2230			13700E	22	154	0.2		860	
	21400N	51	188	0.4		2350			13750E	33	127	0.2		1090	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES
196N	13800E	27	89	0.2		1050		10000E		32	152	0.8		1830	
	13850E	25	109	0.2		1070		10050E		49	106	0.8		1830	
	13900E	23	138	0.2		940		10100E		30	134	1.4		1730	
	13950E	25	154	0.2		960		10150E		45	121	0.3		1990	
	14000E	21	143	0.2		1230		10200E		73	267	0.8		1400	
	14050E	28	131	0.2		1140		10250E	1410	299	3.8			980	
	14100E	34	134	0.3		1230		10300E	174	153	5.4			1100	
	14150E	21	112	0.3		1010		10350E	275	269	0.7			1110	
	14200E	28	101	0.2		1210		10400E	70	187	0.4			980	
	14250E	39	113	0.2		1810		10450E	172	280	1.0			980	
	14300E	25	87	0.2		1460		10500E	350	505	1.4			910	
	14350E	25	112	0.2		1980		10550E	27	80	0.2			810	
	14400E	24	109	0.2		2070		10600E	23	91	0.3			880	
	14450E	33	128	0.2		2260		10650E	34	74	0.2			800	
	14500E	20	87	0.2		1170		10700E	64	145	0.5			990	
	14550E	102	805	1.5		2290	CS-1	10750E	73	154	0.4			930	
19800N	9300E	48	135	0.7		1850		10800E	36	89	0.2			960	
	9350E	36	110	0.2		1640		10850E	98	125	0.2			840	
	9400E	38	72	0.2		1520		10900E	29	69	0.2			1010	
	9450E	32	145	0.3		1430		10950E	39	77	0.2			1000	
	9500E	79	201	0.5		1780		11000E	27	92	0.2			1180	
	9550E	83	87	0.9		1680		11050E	39	72	0.2			950	
	9600E	52	186	0.4		2100		11100E	37	87	0.2			950	
	9650E	340	605	4.0		2110		11150E	17	76	0.2			6010	
	9700E	460	660	5.5		2770		11200E	79	55	0.2			920	
	9750E	520	420	4.8		2340		11250E	57	78	0.2			1060	
	9800E	94	280	0.7		2080		11300E	78	84	0.2			1100	
	9850E	97	273	0.4		2400		11350E	26	79	0.2			1000	
	9900E	119	281	1.2		3120		11400E	26	72	0.2			1130	
	9950E	410	420	1.0		2400		11450E A	90	1070	1.5			1280	CS-2



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	W PPM	Ba PPM	NOTES
198N	11450E B	46	121	0.2		2440		13050E		64	166	0.4		1840	
	11500E	51	162	0.5		1320		13100E		39	345	1.5		1740	
	11550E	43	155	0.2		5010		13150E		25	89	0.4		1090	
	11600E	40	287	0.5		2280		13200E		41	88	0.4		940	
	11650E	59	90	0.2		1560		13250E		50	136	0.7		1200	
	11700E	58	89	0.2		1760		13300E		42	121	0.6		970	
	11750E	60	124	0.2		1660		13350E		17	64	0.2		880	
	11800E	56	67	0.2		1920		13400E		34	132	0.4		1020	
	11850E	136	131	2.6		1860		13450E		36	148	0.8		1150	
	11900E	64	104	0.4		1790		13500E		28	235	0.2		1000	
	11950E	78	119	0.4		2180		13550E		23	118	0.5		1040	
	12000E	80	128	0.9		2050		13600E		27	535	1.3		1110	
	12100E	58	104	0.2		1910		13650E		21	206	0.4		970	
	12150E	65	96	0.2		1930		13700E		20	78	0.5		1090	
	12200E	68	137	0.9		3100		13750E		28	125	0.2		890	
	12250E	95	287	2.0		6180		13800E		24	118	1.2		1030	
	12300E	115	144	0.5		4650		13850E		30	122	0.2		1050	
	12350E	73	112	0.4		4350		13900E		25	102	0.2		1130	
	12400E	79	135	0.7		7150		13950E		34	128	0.2		1270	
	12450E	58	114	0.2		3930		14000E		23	99	0.2		1050	
	12550E	60	99	0.2		6470		14050E		54	128	0.2		1120	
	12600E	64	161	0.5		2110		14100E		36	117	0.2		1040	
	12650E	46	86	0.2		1160		14150E		32	69	0.2		1160	
	12700E	75	137	0.9		3210		14200E		27	101	0.2		1000	
	12750E	54	106	0.4		1830		14250E		25	112	0.4		980	
	12800E	47	88	0.2		1130		14300E		26	85	0.2		960	
	12850E	30	150	0.2		1180		14350E		22	86	0.7		980	
	12900E	65	382	0.3		1330		14400E		28	75	0.6		1060	
	12950E	72	198	0.6		1380		14450E		28	78	0.5		1310	
	13000E	27	232	0.4		1510		14500E		29	67	0.2		1150	

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## Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11200N-4725E		1000	314	4.8	2060			5175E	377	400	2.4	3050	
4775E		1690	95	6.5	3640			5225E	1025	168	2.8	3040	
4825E		1260	233	6.6	3250			5275E	410	325	2.1	2980	
4875E		1815	137	6.1	4640		11600N-5025E	204	198	2.1	2820		
4925E		800	193	3.3	4270		5075E	660	520	2.1	1350		
4975E		465	150	3.4	4100		5125E	1725	890	6.0	2720		
11300N-4700E		525	635	2.2	1550		5175E	950	266	3.6	2260		
4750E		915	202	4.9	3130		5225E	3110	173	15.0	5600		
4800E		1100	300	5.4	2530		5275E	1255	235	6.4	3170		
4825E		1135	460	11.0	2900		5325E	2380	253	16.0	7390		
4850E		470	85	4.0	5220		5375E	545	194	3.3	3660		
4875E		700	160	4.6	2670		11700N-5025E	1130	4000	6.1	1800		
4900E		715	107	5.6	2410		5050E	945	5300	7.8	2730		
4925E		1865	229	9.6	6320		5075E	575	1280	1.1	1510		
4950E		>10000	88	26.0	5120		5100E					5*	
4975E		5260	90	31.0	9380		5125E	815	1660	5.6	2920		
5025E		770	143	3.6	5090		5150E	5710	5850	30.0	3840		
5050E		505	112	3.3	3710		5175E	850	3650	5.6	2620		
5075E		366	213	3.1	3510		5200E	2440	1565	19.0	2190		
5100E		389	173	3.3	3610		5225E	655	440	6.8	1990		
5150E		235	233	2.1	2720		5250E	1550	460	12.0	2120		
5200E		199	216	2.5	2540		5275E	3350	322	14.0	2080		
5250E		394	127	3.0	3090		5300E	790	181	6.9	8360		
5300E		277	104	2.0	3060		5325E	1670	349	13.0	2430		
5350E		91	725	1.5	2210	CS-1	5350E	2005	375	11.0	2440		
11400N-4925E		800	190	4.3	2090		5375E	261	122	2.0	2780		
4975E		5250	187	10.0	2450		5400E	197	66	2.5	2660		
5025E		4200	61	9.4	3350		5450E	172	79	1.8	3980		
5075E		386	185	3.9	3190		5475E	350	105	3.3	3120		
5125E		383	142	3.4	2810		5500E	229	92	1.2	1930		



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11800N-5025E	5525E	84	825	1.8	2240	CS-1		5250E	76	250	0.7	1370	
	5050E	1145	10700	6.7	1480	3*		5300E	56	207	0.7	1550	
	5075E	1625	5300	10.0	1270			5350E	82	323	0.6	1990	
	5100E	3420	11500	18.0	1580			5400E	595	1025	3.1	3900	
	5125E	2860	7200	17.0	1750			5450E	171	500	1.6	2520	
	5200E	3950	8600	15.0	4100			5500E	154	530	1.4	2010	
	5225E	3640	12600	20.0	3140	3*		5550E	166	500	1.0	2010	
	5250E	1680	12300	12.0	3240	3*		5600E	167	630	1.6	2660	
	5275E	835	750	3.2	2470			5650E	83	225	1.0	2000	
	5300E	595	790	3.7	2710			5700E	114	207	1.0	1720	
	5325E	179	197	2.0	2850			5750E	145	218	0.4	1590	
	5350E	286	124	2.6	2930			5800E	39	97	0.2	1100	
	5375E	485	231	3.1	3300		12700N-5050E	5850E	80	1090	1.4	2340	CS-2
	5400E	259	113	2.9	3180			5100E	35	154	0.3	1130	
	5425E	303	113	3.1	3190			5150E	48	355	0.6	1510	
	5450E	252	116	3.2	3170			5150E	50	2200	3.7	1580	
	5475E	218	98	4.1	2260			5250E	72	2400	2.0	1600	
	5500E	264	145	3.3	2520			5300E	45	163	0.4	1570	
12300N-5050E	5500E	48	300	0.8	1370			5350E	374	370	2.4	2790	
	5100E	62	200	0.9	1260			5400E	378	600	2.8	3860	
	5150E	76	372	0.8	1360			5450E	35	297	0.3	1330	
	5200E	92	520	0.5	1460			5500E	94	755	1.0	1670	
	5250E	123	760	1.2	2040			5550E	70	1180	1.1	1560	
	5300E	64	266	1.1	1470			5600E	47	172	0.8	1620	
	5350E	27	120	0.5	1470			5650E	58	213	0.4	1620	
12500N-5050E	5350E	55	160	0.5	1230			5700E	38	182	1.0	1740	
	5100E	65	184	0.3	1150			5750E	80	369	0.7	1430	
	5150E	43	196	0.3	1190			5800E	48	170	0.4	1350	
	5200E	63	165	0.8	1330		14200N-5300E	5800E	48	170	0.4	1350	
								5300E	348	5250	2.6	2310	
							15000N-5300E	5100E	11	108	0.2	1010	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
15200N-4950E		80	1040	1.6	2370	CS-2	10800E		58	113	0.2	1000	
5050E		144	640	1.1	2290		10850E		23	94	1.0	990	
5100E		45	139	0.2	1360		10900E		39	80	1.7	1280	
5150E		66	176	0.4	1530		10950E		13	86	0.4	890	
5200E		23	184	0.2	1120		11000E		15	87	0.3	900	
5250E		9	75	0.8	1120		11050E		12	90	0.3	930	
5300E		7	56	0.5	1100		11100E		16	90	0.2	970	
5350E		58	338	1.3	1540		11150E		19	86	0.3	790	
5400E		14	100	0.4	1870		11200E		16	77	0.3	950	
5450E		35	150	0.3	1400		11250E		22	101	0.3	1070	
5500E		40	200	0.3	1200		11300E		15	94	0.3	990	
5550E		19	78	0.2	1110		11350E		13	117	0.2	1030	
5600E		20	90	0.2	1480		11400E		13	80	0.2	1030	
5650E		17	141	0.2	1860		11450E		19	69	0.3	1030	
5700E		13	88	0.2	2590		11500E		14	57	0.3	1060	
5750E		17	95	0.4	3020		11550E		27	64	0.3	1530	
5800E		16	79	0.4	2400		11600E		18	67	0.2	1010	
5850E		10	68	0.3	1990		11650E		16	75	0.2	1000	
5900E		15	128	0.2	1460		11700E		23	88	0.2	1120	
5950E		10	87	0.2	2150		11750E		36	100	0.2	1520	
6000E		11	82	0.2	2460		11800E		31	102	0.3	1140	
6050E		15	106	0.2	3640		11850E		23	99	0.3	1070	
6100E		14	120	0.3	4480		11900E		29	103	0.3	1270	
19600N-10450E		81	780	1.4	2240	CS-1	11950E		217	85	2.0	1500	
10500E		51	156	0.9	1080		12000E		208	92	1.0	1700	
10550E		30	158	0.6	1110		12050E		68	102	1.8	1270	
10600E		24	125	0.4	930		12100E		65	60	0.7	1650	
10650E		20	120	0.3	1020		12150E		142	109	0.8	2540	
10700E		28	128	1.0	960		12200E		103	83	0.4	3370	
10750E		15	95	0.2	1130		12250E		70	116	1.6	2750	







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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
10900N-4600E		5110	6700	26.0	1470		11100N-4750E		5100	178	13.0	2150	
10900N-4625E		>10000	8200	> 50.0	1010		11100N-4775E		8700	173	27.0	2250	
10900N-4650E		4210	5000	24.0	770		11100N-4800E		7540	391	5.1	1980	
10900N-4675E		7140	10700	30.0	1120		11100N-4825E		705	86	11.0	6880	
10900N-4700E		6480	8300	36.0	3070		11100N-4850E		4770	800	15.0	12010	
10900N-4725E		5520	7100	32.0	2480		11100N-4875E		2440	940	14.0	5410	
10900N-4750E		1155	207	6.1	>20000		11100N-4900E		1070	253	4.6	440	
10900N-4775E		3100	2400	22.0	2680		11100N-4950E		1415	470	8.0	6490	
10900N-4800E		540	256	5.2	3710		11100N-5050E		2360	59	11.0	4360	
10900N-4825E		570	247	4.4	3370		11100N-5100E		318	64	4.5	3410	
10900N-4850E		310	207	2.4	4580		11100N-5150E		550	162	5.5	3000	
10900N-4875E		338	71	4.1	2140		11100N-5200E		390	198	4.2	3100	
10900N-4900E		555	119	4.8	2380		11500N-4500E		820	935	4.7	690	
10900N-4925E						5*	11500N-4550E		1060	1020	4.6	800	
10900N-4950E		1140	100	9.9	3010		11500N-4600E		343	565	2.4	1060	
10900N-5050E		495	25	5.6	2530		11500N-4650E		730	2200	5.2	680	
10900N-5100E		575	110	3.8	2440		11500N-4700E		735	364	5.1	3630	
11000N-4600E		945	2400	10.0	1340		11500N-4750E		1105	234	6.3	3480	
11000N-4625E		1635	4500	12.0	1500		11500N-4800E		145	193	0.5	1360	
11000N-4675E		1540	5400	17.0	1130		11500N-4850E		198	265	0.8	1450	
11000N-4725E		1250	1540	7.6	3220		11500N-4900E		740	600	5.5	1940	
11000N-4775E		1450	595	11.0	3210		11500N-4950E		885	311	8.2	2290	
11000N-4825E		6220	231	16.0	11100		11500N-5025E		1350	43	3.3	2460	
11000N-4875E		650	202	6.0	3410		11500N-5050E		455	166	7.2	3240	
11000N-5550E		343	52	1.4	1310		11500N-5075E		480	160	4.0	3430	
11100N-4600E		505	1810	8.9	480		11500N-5100E		5420	2200	22.0	5590	
11100N-4625E		1125	5200	24.0	1510		11500N-5125E		3240	305	30.0	3580	
11100N-4675E		785	1440	6.8	2250		11500N-5150E		1545	231	22.0	3700	
11100N-4700E		625	167	7.8	1980		11500N-5175E		545	161	4.2	4150	
11100N-4725E		1750	217	12.0	2440		11500N-5200E		2700	255	12.0	5720	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
11500N-5225E		795	392	2.6	4660		11900N-5475E		203	369	2.4	2820	
11500N-5250E		138	269	1.0	4700		11900N-5500E		163	435	1.8	2620	
11500N-5275E		105	855	1.4	5560		11900N-5525E		151	485	2.0	2410	
11500N-5300E		415	131	1.9	3420		11900N-5550E		160	425	2.0	2430	
11500N-5350E		318	103	1.0	2870		11900N-5575E		72	277	0.6	2320	
11500N-5400E		193	229	1.4	3310		11900N-5600E		79	291	1.4	1790	
11700N-4700E		880	228	3.9	3570		12000N-5325E		86	229	0.8	1730	
11700N-4750E		970	275	4.4	3280		12000N-5375E		555	218	2.6	3070	
11700N-4800E		530	1320	2.8	2810		12000N-5425E		525	377	4.8	3580	
11700N-4850E		1210	222	5.4	2970		12000N-5475E		125	221	1.9	2620	
11700N-4900E		835	185	4.8	3210		12000N-5525E		92	304	1.2	2220	
11700N-4925E		2140	151	11.0	4060		12000N-5575E		93	300	0.8	1910	
11700N-4950E		645	261	4.0	3690		12000N-5625E		164	545	1.3	1970	
11700N-4975E		725	1660	6.9	3400		12000N-5675E		75	1030	1.6	2490	CS-2
11900N-5025E		535	6000	4.9	1910		12100N-5050E		132	505	1.2	1230	
11900N-5050E		510	3800	2.6	1980		12100N-5100E		300	1480	3.4	1240	
11900N-5075E		171	425	0.4	1710		12100N-5150E		116	605	1.8	1610	
11900N-5100E		169	291	0.4	1740		12100N-5200E		134	296	0.2	1420	
11900N-5125E		660	630	4.1	3840		12100N-5250E		82	107	0.3	1300	
11900N-5150E		755	570	4.4	4820		12100N-5300E		358	565	2.5	4110	
11900N-5200E		107	110	0.2	1480		12100N-5350E		61	193	0.2	1500	
11900N-5225E		92	129	0.2	1390		12100N-5400E		149	254	0.6	1370	
11900N-5250E		32	126	0.2	1460		12100N-5450E		182	1180	2.0	2450	
11900N-5275E		50	171	0.2	1560		12100N-5500E		240	1700	1.7	2380	
11900N-5325E		216	620	1.8	1720		12100N-5550E		182	830	2.0	2500	
11900N-5350E		313	147	2.6	3010		12100N-5600E		116	440	0.6	2030	
11900N-5375E		520	192	3.0	3350		12100N-5650E		92	287	0.6	1810	
11900N-5400E		400	123	2.8	2950		12100N-5700E		176	331	1.1	1780	
11900N-5425E		291	535	6.0	2610		12100N-5750E		70	990	1.5	2440	CS-2
11900N-5450E		495	323	3.5	3420		12200N-5550E		121	750	1.6	1790	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
12300N-5400E		270	320	0.4	1990		14300N-5325E		10	305	0.2	3740	
12300N-5450E		191	560	2.5	3160		14300N-5350E		50	171	0.9	2110	
12300N-5500E		105	805	1.4	2150		14500N-5050E		2	147	0.2	990	
12300N-5550E		124	660	1.5	2040		14500N-5100E		6	760	0.2	1160	
12300N-5600E		113	540	2.1	1880		14500N-5150E		3	259	0.2	1020	
12300N-5650E		96	389	1.5	2060		14500N-5200E		305	3600	1.7	1820	
12300N-5700E		65	194	0.8	1710		14500N-5250E		37	236	0.4	2290	
14000N-5025E		54	625	0.4	1210		14500N-5300E		12	110	0.2	1540	
14000N-5125E		132	1060	1.2	2250		14500N-5350E		6	81	0.2	1420	
14000N-5175E		5	306	0.2	1380		14500N-5400E		9	64	0.4	1580	
14200N-5025E		137	1020	0.8	2270		14500N-5450E		9	58	0.6	1780	
14200N-5075E		255	4500	1.7	2630		14500N-5500E		20	108	0.2	1250	
14200N-5125E		163	3810	2.0	2280		14600N-4450E		78	995	1.2	2610	CS-2
14200N-5175E		114	1825	1.2	1820		14600N-4500E		9	76	0.2	1110	
14200N-5225E		106	660	1.0	1770		14600N-4550E		21	93	0.2	940	
14200N-5275E		177	4800	1.4	2040		14600N-4600E		6	67	0.4	1160	
14200N-5325E		172	495	1.4	3860		14600N-4650E		5	83	0.2	1120	
14200N-5375E		47	186	0.4	1430		14600N-4700E		10	148	0.2	1000	
14300N-5025E		8	157	0.2	1110		14600N-4750E		4	99	0.3	1110	
14300N-5050E		33	325	0.2	1070		14600N-4800E		3	62	0.2	1150	
14300N-5075E		175	4000	1.6	2210		14600N-4850E		4	64	0.2	1080	
14300N-5100E		231	5300	3.0	1730		14600N-4900E		2	130	0.2	1120	
14300N-5125E		282	6800	1.8	1930		14600N-4950E		65	735	0.2	1500	
14300N-5150E		199	4000	1.3	1780		14700N-5050E		7	188	0.2	910	
14300N-5175E		242	5000	1.5	1830		14700N-5100E		3	87	0.2	970	
14300N-5200E		216	1960	0.7	1760		14700N-5150E		117	319	0.8	2410	
14300N-5225E		246	2800	0.7	1780		14700N-5200E		248	830	1.8	3410	
14300N-5250E		352	6200	1.2	1950		14700N-5250E		6	123	0.2	1080	
14300N-5275E		230	2300	1.5	1740		14700N-5300E		11	169	0.3	2610	
14300N-5300E		108	2600	0.9	1770		14800N-4750E		73	550	0.8	1520	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
14800N-4800E		27	430	0.8	1230		15400N-15750E		20	136	0.5	1880	
14800N-4850E		27	154	0.6	1790		15400N-15800E		20	166	0.4	1630	
14800N-4900E		15	67	0.2	1070		15400N-15850E		20	353	0.7	1790	
14800N-4950E		7	86	0.2	1020		15400N-15900E		17	213	0.5	1120	
14900N-5050E		76	1140	0.2	1370		15400N-15950E		32	425	0.8	1290	
14900N-5100E		13	66	0.3	1130		15400N-16000E		28	430	1.8	1380	
14900N-5150E		17	77	0.2	1090		15400N-16050E		104	835	2.4	2420	
14900N-5200E		14	58	0.2	1060		15400N-16100E		26	310	0.2	1360	
15000N-4700E		78	173	0.4	2220		15400N-16150E		21	156	0.3	1140	
15000N-4750E		139	278	1.4	2440		15400N-16200E		25	249	0.7	1210	
15000N-4800E		101	200	0.4	2230		15400N-16250E		26	179	0.7	1440	
15000N-4850E		174	287	1.0	2760		15400N-16300E		18	219	0.7	830	
15000N-4900E		224	328	1.6	2910		15400N-16350E		17	97	0.4	860	
15000N-4950E		124	242	0.7	2150		15400N-16400E		12	104	0.2	720	
15200N-4750E		129	368	0.7	2470		15400N-16450E		13	66	1.2	800	
15200N-4800E		104	415	0.8	2340		15400N-16500E		20	77	1.1	1400	
15200N-4850E		100	280	0.4	1830		15400N-16550E		6	153	1.4	1200	
15200N-4900E		126	200	0.4	2270		15400N-16600E		15	103	0.2	1020	
15200N-4950E		77	305	0.8	1900		15400N-16650E		17	126	0.2	1140	
15400N-15150E		21	126	1.0	1520		15400N-16700E		19	71	0.2	1330	
15400N-15200E		14	108	0.2	1680		15400N-16750E		14	85	0.2	910	
15400N-15250E		16	106	0.2	1810		15400N-16800E		17	67	0.4	820	
15400N-15300E		18	172	0.2	2990		15400N-16850E		12	107	1.0	840	
15400N-15350E		13	170	0.4	2110		15400N-16900E		14	111	0.2	940	
15400N-15400E		16	199	2.8	2270		15400N-16950E		17	87	0.2	1010	
15400N-15450E		18	209	0.2	2010		15400N-17000E		14	95	0.2	870	
15400N-15550E		19	144	0.9	1920		15400N-17050E		16	115	0.2	1130	
15400N-15600E		17	169	0.3	2330		15400N-17100E		23	104	0.2	1030	
15400N-15650E		18	193	0.7	2550		15400N-17150E		28	102	0.2	990	
15400N-15700E		21	307	1.2	2930		15400N-17200E		16	86	0.2	1010	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
15400N-17250E		16	81	0.2	740		15800N-16550E		29	70	0.2	1760	
15400N-17300E		22	75	0.2	960		15800N-16600E		24	101	0.2	1160	
15400N-17350E		80	1000	1.5	1670	CS-2	15800N-16650E		20	146	0.2	1350	
15800N-15200E		26	415	1.0	1140		15800N-16700E		20	102	0.3	1100	
15800N-15250E		21	176	1.8	800		15800N-16750E		27	111	0.2	1070	
15800N-15300E		14	292	0.4	760		15800N-16800E		18	99	0.2	1360	
15800N-15350E		20	192	0.4	840		15800N-16850E		22	111	0.2	1460	
15800N-15400E		16	139	0.3	740		15800N-16900E		21	81	0.2	1180	
15800N-15450E		20	119	0.3	820		15800N-16950E		22	121	0.2	1560	
15800N-15500E		22	79	0.2	980		15800N-17000E		16	80	0.4	1840	
15800N-15550E		19	193	0.2	1070		15800N-17050E		17	122	0.2	2750	
15800N-15600E		14	88	0.2	990		15800N-17100E		5	81	0.2	580	
15800N-15650E		13	95	0.3	1200		15800N-17150E		10	71	0.2	610	
15800N-15700E		27	216	0.4	2670		15800N-17200E		14	119	0.4	820	
15800N-15750E		10	132	0.2	890		15800N-17250E		11	87	0.2	620	
15800N-15800E		29	232	0.8	2940		15800N-17300E		5	54	0.2	290	
15800N-15850E		14	132	0.2	2000		15800N-17350E		83	1020	1.6	1650	CS-2
15800N-15900E		20	200	1.1	2240		17000N-12550E		11	101	0.4	660	
15800N-15950E		29	163	0.2	1420		17000N-12600E		9	71	0.4	710	
15800N-16000E		34	167	0.2	4800		17000N-12650E		26	200	0.2	730	
15800N-16050E		24	323	0.2	1570		17000N-12700E		19	147	0.2	700	
15800N-16100E		78	133	0.2	1790		17000N-12750E		13	212	0.4	1400	
15800N-16150E		45	151	0.5	1550		17000N-12800E		13	202	0.2	1140	
15800N-16200E		19	138	0.2	1200		17000N-12850E		15	115	0.5	850	
15800N-16250E		22	155	0.2	1120		17000N-12900E		13	157	0.2	930	
15800N-16300E		24	96	0.2	940		17000N-12950E		19	204	0.3	1310	
15800N-16350E		26	103	0.6	1400		17000N-13000E		18	192	0.3	1600	
15800N-16400E		16	94	0.6	940		17000N-13050E		15	131	0.7	1230	
15800N-16450E		23	72	0.2	1050		17000N-13100E		22	105	0.2	830	
15800N-16500E		22	110	0.2	1680		17000N-13150E		19	112	0.2	870	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
17000N-13200E		14	81	0.2	880		17400N-14250E		19	97	0.6	1980	
17000N-13250E		19	112	0.3	1000		17400N-14300E		18	133	0.2	14000	
17000N-13350E		14	93	0.5	920		17400N-14350E		22	119	0.2	1200	
17000N-13400E		19	171	0.3	870		17400N-14400E		19	107	1.0	1090	
17000N-13450E		13	170	1.2	860		17400N-14450E		12	73	0.2	990	
17000N-13800E		21	103	0.4	1120		17400N-14500E		15	89	1.4	980	
17000N-13850E		17	64	0.2	990		17400N-14550E		15	87	0.2	1110	
17000N-13900E		16	101	0.2	960		17400N-14600E		13	103	0.2	3440	
17000N-13950E		16	95	0.4	780		17400N-14650E		33	670	0.2	790	
17000N-14000E		10	83	0.8	580		17400N-14700E		22	202	0.5	1000	
17000N-14050E		10	77	0.2	1130		17400N-14750E		20	455	1.1	1160	
17000N-14100E		22	148	0.4	2360		17400N-14800E		22	267	0.3	1180	
17000N-14150E		44	157	0.8	9280		17400N-14850E		71	152	0.6	>20000	
17000N-14200E		93	215	0.2	3800		17400N-14900E		32	133	0.6	2890	
17000N-14350E		21	112	0.2	1520		17400N-14950E		32	39	0.3	2000	
17000N-14400E		15	87	0.2	970		17400N-15000E		24	68	0.2	2350	
17000N-14450E		6	67	0.3	820		17400N-15100E		23	61	0.6	1800	
17000N-14500E		16	94	0.2	1330		17400N-15150E		25	67	0.6	1540	
17000N-14550E		21	119	0.2	7140		17400N-15200E		17	76	0.2	1780	
17000N-14600E		21	127	0.3	8430		17400N-15250E		19	71	3.0	1950	
17000N-14650E		26	233	0.7	2760		17400N-15300E		16	41	0.2	1310	
17000N-14700E		14	173	0.2	2780		17400N-15350E		16	79	0.5	1640	
17400N-13850E		23	110	0.2	4940		17400N-15400E		16	41	0.3	1250	
17400N-13900E		28	78	0.5	1880		17400N-15450E		9	45	0.2	1520	
17400N-13950E		13	88	0.3	810		17400N-15500E		24	114	0.2	2590	
17400N-14000E		16	86	0.2	920		17400N-15550E		81	1050	1.4	2390	CS-2
17400N-14050E		15	79	0.2	1170		17800N-12500E		15	138	0.4	3400	
17400N-14100E		30	110	0.2	1980		17800N-12550E		6	102	0.3	2190	
17400N-14150E		18	301	0.2	5440		17800N-12600E		30	97	0.7	3360	
17400N-14200E		20	123	0.3	2550		17800N-12650E		18	112	0.2	1740	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
17800N-12700E		13	62	1.6	2630		17800N-14200E		16	236	0.2	1910	
17800N-12750E		16	109	0.3	1460		17800N-14250E		22	127	0.2	>20000	5.1%
17800N-12800E		10	94	0.3	1500		17800N-14300E		16	63	0.2	1610	
17800N-12850E		7	100	0.4	1340		17800N-14350E		26	315	0.2	18500	
17800N-12900E		13	73	0.3	1350		17800N-14400E		17	126	0.2	4880	
17800N-12950E		21	80	0.2	1340		17800N-14450E		27	166	0.5	1600	
17800N-13000E		15	88	0.6	1410		17800N-14500E		23	231	0.4	1190	
17800N-13050E		2	46	0.2	970		17800N-14550E		22	174	1.6	1540	
17800N-13100E		12	101	0.2	1030		17800N-14600E		22	232	0.2	1440	
17800N-13150E		14	91	0.2	1390		17800N-14650E		16	158	0.4	5520	
17800N-13200E		16	103	0.3	1420		17800N-14700E		10	460	0.3	>20000	2.3%
17800N-13250E		12	41	0.6	1020		17800N-14750E		29	124	0.3	3380	
17800N-13300E		14	123	0.2	1230		17800N-14800E		23	159	0.3	2070	
17800N-13350E		10	76	0.3	1150		17800N-14850E		34	209	0.2	2300	
17800N-13400E		7	77	0.2	1380		17800N-14900E		23	53	0.2	1620	
17800N-13450E		10	90	0.2	1340		17800N-14950E		20	57	1.6	3190	
17800N-13500E		9	92	0.2	1270		17800N-15000E		20	69	0.2	1510	
17800N-13550E		11	83	0.2	1290		17800N-15050E		12	84	1.4	1780	
17800N-13600E		10	52	0.2	1060		17800N-15100E		15	72	0.2	1660	
17800N-13650E		12	92	0.5	1370		17800N-15150E		18	92	1.0	4480	
17800N-13700E		16	210	0.6	2070		17800N-15200E		14	68	1.6	2470	
17800N-13750E		18	129	0.3	5740		17800N-15250E		16	62	0.2	2290	
17800N-13800E		12	89	0.2	1740		17800N-15300E		11	98	0.2	1430	
17800N-13850E		15	136	0.2	2040		17800N-15350E		17	125	0.2	1890	
17800N-13900E		16	202	0.2	5850		17800N-15400E		24	177	0.2	830	
17800N-13950E		14	275	0.2	3270		17800N-15450E		24	159	0.2	1570	
17800N-14000E		17	365	0.3	5100		17800N-15500E		23	116	0.4	1560	
17800N-14050E		21	285	0.2	4310		17800N-15550E		77	1210	1.3	2420	CS-2
17800N-14100E		22	207	0.2	5710		18200N-12500E		18	158	0.8	2760	
17800N-14150E		21	550	0.6	7130		18200N-12550E		14	121	0.2	1780	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
18200N-12600E		17	183	2.5	6230		18200N-14100E		4	40	0.2	>20000	
18200N-12650E		19	168	1.3	6590		18200N-14100EX		7	58	0.2	>20000	OS
18200N-12700E		15	158	0.2	1790		18200N-14150E		8	43	0.2	>20000	34.0%
18200N-12750E		16	87	0.2	1820		18200N-14200E		17	100	0.8	2620	27.0%
18200N-12800E		16	126	0.2	1480		18200N-14250E		14	127	0.6	1310	19.0%
18200N-12850E		16	151	1.0	1390		18200N-14300E		14	115	0.7	1080	
18200N-12900E		17	206	0.8	1390		18200N-14350E		18	220	0.4	1210	
18200N-12950E		18	111	0.8	1500		18200N-14400E		14	150	0.3	1210	
18200N-13000E		23	140	0.3	3400		18200N-14450E		20	152	0.4	1270	
18200N-13050E		19	128	0.2	1530		18200N-14500E		14	102	0.2	1170	
18200N-13100E		18	140	0.5	1470		18200N-14550E		16	115	0.2	1060	
18200N-13150E		19	80	0.4	1780		18200N-14600E		15	90	0.2	1310	
18200N-13200E		15	89	0.3	1700		18200N-14650E		15	148	0.3	1100	
18200N-13250E		25	158	0.5	1790		18200N-14700E		12	114	0.3	1220	
18200N-13300E		17	113	0.4	1570		18200N-14750E		9	37	0.2	1180	
18200N-13350E		15	154	0.5	1460		18200N-14800E		14	100	0.2	1360	
18200N-13400E		20	144	0.2	1640		18200N-14850E		8	89	0.2	1250	
18200N-13450E		19	117	0.4	1550		18200N-14900E		12	66	0.4	1320	
18200N-13500E		19	155	1.0	4610		18200N-14950E		9	42	0.2	1140	
18200N-13550E		41	156	0.2	2170		18200N-15000E		12	80	0.2	1230	
18200N-13600E		35	143	0.2	2610		18200N-15050E		7	47	0.6	1010	
18200N-13650E		19	127	0.2	2410		18200N-15100E		9	38	0.2	1230	
18200N-13700E		49	150	0.2	3350		18200N-15150E		7	51	0.2	1000	
18200N-13750E		24	109	0.3	1150		18200N-15200E		12	61	0.2	1210	
18200N-13800E		21	99	0.8	1960		18200N-15250E		12	58	0.2	1150	
18200N-13850E		7	94	0.2	>20000		18200N-15300E		9	67	0.2	1090	
18200N-13900E		11	75	0.3	>20000		18200N-15350E		10	122	0.2	1050	
18200N-13950E		13	176	0.7	>20000		18200N-15400E		9	190	0.2	1370	
18200N-14000E		16	136	0.6	>20000		18200N-15450E		16	185	0.2	1320	
18200N-14050E		14	122	0.2	>20000		18200N-15500E		11	171	0.2	1610	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
18200N-15550E		68	1005	1.5	2440	CS-2	18400N-13850E		31	196	1.0	7670	
18400N-12550E		10	74	1.1	3770		18400N-13900E		14	98	0.4	2900	
18400N-12600E		15	109	0.6	3190		18400N-13950E		32	109	0.2	1840	
18400N-12650E		17	75	0.4	2920		18400N-14000E		12	83	0.2	900	
18400N-12700E		10	85	0.7	2970		18400N-14050E		16	95	0.2	1170	
18400N-12750E		22	88	1.0	3970		18400N-14100E		11	58	0.2	1060	
18400N-12750EX		21	97	1.0	3630	DS	18400N-14150E		23	240	0.2	1860	
18400N-12800E		28	58	1.4	3220		18400N-14200E		23	388	0.4	1530	
18400N-12800EX		25	100	0.7	3470	DS?	18400N-14250E		13	182	0.3	1310	
18400N-12850E		19	92	0.8	2960		18400N-14300E		11	248	0.8	990	
18400N-12850EX		23	86	0.2	3140	DS?	18400N-14350E		11	199	0.5	950	
18400N-12900E		27	84	0.7	3320		18400N-14400E		10	89	0.2	1090	
18400N-12900EX		25	63	0.2	3220	DS	18400N-14450E		4	93	0.2	970	
18400N-12950E		30	124	0.6	3110		18400N-14500E		11	133	0.2	1120	
18400N-12950EX		26	90	0.6	3220	DS	18400N-14500EX		6	98	0.2	1230	DS?
18400N-13000E		54	234	0.8	3150		18400N-14550E		12	112	0.2	1440	
18400N-13000EX		14	90	0.4	1340	DS?	18400N-14600E		7	77	0.2	1050	
18400N-13150E		24	158	0.6	1480		18400N-14650E		15	106	0.2	1240	
18400N-13200E		217	320	1.0	1550		18400N-14700E		8	93	0.2	1170	
18400N-13300E		24	173	0.2	1460		18400N-14750E		5	48	0.2	850	
18400N-13350E		30	198	0.4	1720		18400N-14800E		7	109	0.2	1080	
18400N-13400E		32	178	0.4	1640		18400N-14850E		13	69	0.2	1110	
18400N-13450E		12	141	0.2	1470		18400N-14900E		17	128	0.4	1200	
18400N-13500E		18	129	0.2	1450		18400N-14950E		10	51	0.2	1030	
18400N-13550E		25	125	0.2	2230		18400N-15000E		10	54	0.2	1110	
18400N-13600E		13	46	0.4	1180		18400N-15050E		5	55	0.2	1010	
18400N-13650E		37	128	0.2	2050		18400N-15100E		9	56	0.2	1310	
18400N-13700E		16	128	0.3	990		18400N-15150E		4	41	0.2	4540	
18400N-13750E		27	114	0.4	4610		18400N-15200E		29	153	0.2	3620	
18400N-13800E		15	51	0.2	1360		18400N-15250E		44	384	0.2	1710	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
18400N-15300E		35	306	0.2	1090		18600N-13750E		39	164	0.4	3150	
18400N-15350E		42	294	0.2	1520		18600N-13800E		14	127	0.2	1290	
18400N-15400E		52	168	0.2	900		18600N-13850E		7	124	0.2	1060	
18400N-15450E		27	199	0.2	1400		18600N-13900E		29	196	0.7	1910	
18400N-15500E		24	259	0.2	1540	CS-2	18600N-13950E		18	191	0.2	1360	
18400N-15550E		81	1030	1.6	2390		18600N-14000E		15	189	0.4	1570	
18600N-12550E		10	121	0.4	4060		18600N-14050E		10	249	0.7	1480	
18600N-12600E		13	85	0.8	5020		18600N-14100E		10	194	0.2	1170	
18600N-12650E		16	94	0.6	3470		18600N-14150E		9	102	0.2	1180	
18600N-12700E		15	140	0.6	5310		18600N-14200E		7	106	0.6	900	
18600N-12750E		14	279	1.4	3210		18600N-14250E		9	81	0.7	850	
18600N-12800E		15	99	0.2	3040		18600N-14300E		9	82	0.2	960	
18600N-12850E		18	107	0.2	4630		18600N-14350E		14	74	0.2	1040	
18600N-12900E		7	80	0.2	3530		18600N-14400E		12	61	0.2	1110	
18600N-12950E		18	131	0.6	4440		18600N-14450E		13	49	0.2	960	
18600N-13000E		15	132	0.3	2060		18600N-14500E		5	48	0.2	1000	
18600N-13050E		10	79	0.6	1830		18600N-14550E		11	106	0.2	970	
18600N-13100E		31	121	0.8	3600		18600N-14600E		10	83	0.2	1230	
18600N-13150E		13	129	0.2	1870		18600N-14650E		11	68	0.2	1140	
18600N-13200E		12	144	0.6	1710		18600N-14700E		10	59	0.2	990	
18600N-13250E		13	135	1.1	1650		18600N-14750E		13	81	0.2	1290	
18600N-13300E		16	139	0.4	1740		18600N-14800E		19	111	0.2	3170	
18600N-13350E		22	100	0.2	1690		18600N-14850E		11	80	0.2	1080	
18600N-13400E		14	84	0.7	1500		18600N-14900E		18	194	0.2	1950	
18600N-13450E		49	133	0.6	2270		18600N-14950E		18	153	0.2	1410	
18600N-13500E		25	45	0.4	1800		18600N-15000E		17	155	0.2	800	
18600N-13550E		41	120	0.7	2460		18600N-15050E		35	120	0.2	760	
18600N-13600E		32	91	0.2	3380		18600N-15100E		76	215	0.2	600	
18600N-13650E		29	101	0.2	6960		18600N-15150E		24	209	0.2	840	
18600N-13700E		29	136	0.8	7700		18600N-15200E		28	215	0.2	1520	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES
18600N-15250E		14	240	0.2	1580		18800N-13700E		19	209	0.4	2160	
18600N-15300E		26	274	0.2	1580		18800N-13750E		15	102	1.8	3150	
18600N-15350E		15	154	0.3	1020		18800N-13800E		8	103	0.2	1770	
18600N-15400E		26	183	0.2	1180		18800N-13850E		29	450	0.2	2620	
18600N-15450E		11	74	0.2	850		18800N-13900E		17	144	0.2	1550	
18600N-15500E		37	124	0.2	1200		18800N-13950E		13	212	0.2	1580	
18600N-15600E		90	1140	1.8	2420	CS-2	18800N-14000E		15	308	0.6	1580	
18800N-12550E		13	86	0.2	1900		18800N-14050E		11	161	0.4	1460	
18800N-12600E		11	94	0.2	5690		18800N-14100E		14	80	0.3	1250	
18800N-12650E		23	134	0.2	2140		18800N-14150E		8	106	0.4	980	
18800N-12700E		17	109	0.7	2530		18800N-14200E		12	103	0.2	1300	
18800N-12750E		20	114	0.6	2111		18800N-14250E		11	54	0.2	1330	
18800N-12800E		14	134	0.6	4430		18800N-14300E		28	55	0.4	1410	
18800N-12850E		10	60	0.7	2250		18800N-14350E		13	62	0.2	1170	
18800N-12900E		31	110	0.8	2980		18800N-14400E		6	35	0.2	1050	
18800N-12950E		12	115	0.2	3550		18800N-14450E		9	50	0.2	1760	
18800N-13000E		14	87	0.4	2380		18800N-14500E		7	40	0.2	1560	
18800N-13050E		14	193	0.4	2090		18800N-14550E		6	31	0.2	970	
18800N-13100E		26	184	0.2	2380		18800N-14600E		10	52	0.2	1080	
18800N-13150E		24	143	0.6	2290		18800N-14650E		13	84	0.2	1010	
18800N-13200E		13	70	0.2	2230		18800N-14700E		9	70	0.2	1200	
18800N-13250E		13	46	0.2	1640		18800N-14750E		23	172	0.5	1410	
18800N-13300E		13	48	0.4	1700		18800N-14800E		138	420	1.0	1800	
18800N-13350E		15	84	1.2	2160		18800N-14850E		14	87	0.2	1620	
18800N-13400E		15	83	0.4	1750		18800N-14900E		96	460	0.4	1110	
18800N-13450E		62	143	0.2	2210		18800N-14950E		38	190	0.2	1310	
18800N-13500E		40	193	0.2	1570		18800N-15000E		24	168	0.2	850	
18800N-13550E		34	118	0.2	14600		18800N-15050E		34	170	0.2	2510	
18800N-13600E		50	213	0.4	12450		18800N-15100E		27	214	0.2	1920	
18800N-13650E		32	136	0.8	2240		18800N-15150E		13	99	0.2	840	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
18800N-15200E		21	106	0.2	1110		19000N-13700E		50	106	0.7	1500	
18800N-15250E		16	99	0.2	1140		19000N-13750E		15	82	0.7	17310	
18800N-15300E		17	80	0.2	1220		19000N-13800E		44	224	0.6	3390	
18800N-15350E		35	170	0.2	970		19000N-13850E		23	212	1.0	1800	
18800N-15400E		3	35	0.2	180		19000N-13900E		72	108	0.5	1950	
18800N-15450E		28	62	0.2	460		19000N-13950E		33	143	1.3	1400	
18800N-15500E		142	197	6.3	680		19000N-14000E		21	82	1.0	3920	
19000N-12550E		42	66	0.2	4380		19000N-14050E		23	110	0.8	8840	
19000N-12600E		79	1020	1.2	7120		19000N-14100E		17	76	0.4	1630	
19000N-12650E		37	253	3.1	1770		19000N-14150E		28	144	0.2	1200	
19000N-12700E		35	115	2.1	3240		19000N-14200E		24	66	0.6	1110	
19000N-12750E		21	106	3.2	4000		19000N-14250E		54	120	0.7	850	
19000N-12800E		45	215	0.8	4020		19000N-14300E		62	125	0.4	1030	
19000N-12850E		55	220	2.4	1710		19000N-14350E		19	98	0.2	1570	
19000N-12900E		49	113	0.6	2750		19000N-14400E		15	85	0.3	2910	
19000N-12950E		21	81	0.3	3730		19000N-14450E		21	89	0.4	1380	
19000N-13000E		6	85	2.4	2450		19000N-14500E		22	129	0.2	1240	
19000N-13050E		5	105	2.0	3120		19000N-14550E		12	34	0.2	1220	
19000N-13100E		11	75	0.6	3060		19000N-14600E		25	83	0.2	1370	
19000N-13150E		39	140	1.0	3290		19000N-14650E		15	95	0.2	1240	
19000N-13200E		166	280	8.8	2290		19000N-14700E		17	90	0.2	1470	
19000N-13250E		22	169	3.6	4910		19000N-14750E		15	82	0.2	1170	
19000N-13300E		36	100	0.8	1460		19000N-14800E		14	110	0.2	1050	
19000N-13350E		42	165	1.3	9930		19000N-14850E		19	135	0.2	1180	
19000N-13400E		22	124	0.3	7930		19000N-14900E		19	75	0.2	1440	
19000N-13450E		61	320	1.0	2610		19000N-14950E		17	115	0.2	1060	
19000N-13500E		51	180	0.8	ND		19000N-15000E		41	162	0.2	1790	
19000N-13550E		51	130	0.8	ND		19000N-15050E		56	520	0.2	950	
19000N-13600E		37	110	0.3	ND		19000N-15100E		22	221	0.2	1240	
19000N-13650E		66	120	0.2	1600		19000N-15150E		28	185	0.2	1350	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
19000N-15200E		34	146	0.2	1740		19200N-13650E		72	175	1.7	>20000	9.3%
19000N-15250E		15	660	0.2	300		19200N-13700E		45	255	1.3	6230	
19000N-15300E		30	143	0.2	1130		19200N-13750E		34	175	0.6	4940	
19000N-15350E		30	85	0.2	990		19200N-13800E		18	122	0.2	>20000	9.0%
19000N-15400E		34	117	0.2	810		19200N-13850E		15	138	0.4	>20000	9.3%
19000N-15450E		36	81	0.2	1280		19200N-13900E		16	115	0.2	>20000	14.0%
19000N-15500E		43	91	0.2	1130		19200N-13950E		38	82	0.2	>20000	17.0%
19000N-15550E		94	1040	1.3	2350	CS-2	19200N-14000E		14	108	0.2	>20000	12.0%
19200N-12550E		225	165	1.2	1770		19200N-14050E		40	70	0.2	>20000	3.2%
19200N-12600E		102	175	2.0	6490		19200N-14100E		35	106	0.2	10890	
19200N-12650E		76	118	1.2	5630		19200N-14150E		31	76	0.2	2640	
19200N-12700E		39	65	0.9	4930		19200N-14200E		27	74	0.2	1380	
19200N-12750E		76	110	1.2	2600		19200N-14250E		24	65	0.2	1630	
19200N-12800E		105	172	2.0	6980		19200N-14300E		23	85	0.2	8370	
19200N-12850E		189	176	4.8	4940		19200N-14350E		25	50	0.2	1090	
19200N-12900E		45	315	1.7	3370		19200N-14400E		31	125	0.2	4020	
19200N-12950E		19	284	2.4	7660		19200N-14450E		10	55	0.2	1440	
19200N-13000E		30	159	1.0	4470		19200N-14500E		12	115	0.2	1300	
19200N-13050E		37	145	1.1	15750		19200N-14550E		79	1040	1.4	2390	CS-2
19200N-13100E		57	150	0.4	2910		19400N-9300E		4	64	0.2	1070	
19200N-13150E		40	154	1.0	>20000	6.1%	19400N-9350E		5	100	0.3	1650	
19200N-13200E		29	348	0.5	1980		19400N-9400E		15	78	0.6	2170	
19200N-13250E		16	375	1.0	>20000	2.0%	19400N-9450E		5	105	0.2	2690	
19200N-13300E		52	125	1.0	>20000	2.0%	19400N-9500E		13	89	0.8	2510	
19200N-13350E		34	120	1.2	>20000	5.7%	19400N-9600E		13	90	0.2	1850	
19200N-13400E		34	131	0.7	20000		19400N-9650E		7	75	0.2	1730	
19200N-13450E		49	120	1.0	>20000	4.1%	19400N-9700E		14	116	0.2	1970	
19200N-13500E		54	253	1.5	>20000	4.0%	19400N-9750E		9	95	0.2	1580	
19200N-13550E		9	150	0.2	>20000	1.0%	19400N-9800E		11	95	0.2	1970	
19200N-13600E		43	165	0.2	20000		19400N-9850E		14	92	0.2	1570	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
19400N-9900E		11	75	0.2	1370		19400N-11500E		30	135	0.2	960	
19400N-9950E		9	82	0.2	1250		19400N-11550E		34	136	1.2	980	
19400N-10000E		16	120	0.2	1360		19400N-11600E		24	190	0.2	1190	
19400N-10150E		20	100	0.6	2260		19400N-11650E		85	179	0.7	1430	
19400N-10200E		21	100	0.2	1630		19400N-11700E		31	124	0.6	1010	
19400N-10250E		16	85	0.2	1320		19400N-11750E		28	86	0.2	1010	
19400N-10300E		15	90	0.2	1300		19400N-11800E		18	95	0.2	980	
19400N-10350E		19	88	0.4	1230		19400N-11850E		18	80	0.2	990	
19400N-10400E		14	99	0.2	1070		19400N-11900E		19	140	0.2	1090	
19400N-10450E		19	95	0.2	1130		19400N-11950E		17	124	0.9	1120	
19400N-10500E		14	125	0.6	1180		19400N-12000E		20	102	0.3	1090	
19400N-10550E		21	140	0.4	1080		19400N-12050E		25	95	0.2	1150	
19400N-10600E		25	292	0.3	1370		19400N-12100E		39	106	0.6	1490	
19400N-10650E		19	164	0.6	1160		19400N-12150E		38	120	0.2	1630	
19400N-10700E		13	230	0.3	1200		19400N-12200E		39	103	0.6	1800	
19400N-10750E		16	156	0.2	940		19400N-12250E		51	216	0.4	2130	
19400N-10800E		26	271	0.2	1180		19400N-12300E		83	247	1.5	2600	
19400N-10850E		13	136	0.3	1000		19400N-12350E		61	146	0.7	2830	
19400N-10900E		9	120	0.2	1020		19400N-12400E		39	130	0.2	1800	
19400N-10950E		16	122	0.2	820		19400N-12450E		49	120	0.6	2610	
19400N-11000E		17	130	0.2	890		19400N-12550E		56	120	0.3	2780	
19400N-11050E		10	206	0.6	950		19400N-12600E		53	125	0.6	1840	
19400N-11100E		17	125	0.3	950		19400N-12650E		85	145	1.0	1690	
19400N-11150E		33	229	0.2	1130		19400N-12700E		59	120	1.2	3130	
19400N-11200E		16	174	0.2	920		19400N-12750E		47	75	0.9	3870	
19400N-11250E		15	105	0.2	780		19400N-12800E		36	80	0.6	3950	
19400N-11300E		7	102	0.4	910		19400N-12850E		44	85	0.4	4060	
19400N-11350E		15	103	0.2	940		19400N-12900E		32	176	0.4	2240	
19400N-11400E		18	100	0.2	820		19400N-12950E		91	310	0.9	3690	
19400N-11450E		22	71	0.5	1020		19400N-13000E		74	460	1.7	3710	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
19400N-13050E		33	140	0.2	1400		19400N-14550E		77	1150	1.2	2340	CS-2
19400N-13100E		26	107	0.2	1230		19650N-12500E		86	560	1.2	6340	
19400N-13150E		18	156	0.2	1590		19700N-12500E		100	430	2.4	6760	
19400N-13200E		51	312	0.2	1240		22000N-8000E		10	75	0.2	800	
19400N-13250E		24	162	0.2	1320		22000N-8050E		15	125	0.2	1080	
19400N-13300E		41	145	0.2	1320		22000N-8100E		17	165	0.5	1330	
19400N-13350E		20	52	0.3	950		22000N-8150E		16	205	0.8	10480	
19400N-13400E		38	105	0.2	1080		22000N-8200E		31	196	1.4	6980	
19400N-13450E		78	194	0.7	1110		22200N-8000E		16	165	0.2	1370	
19400N-13500E		40	116	0.2	1180		22200N-8050E		11	63	0.2	1170	
19400N-13550E		28	220	0.3	1130		22200N-8100E		12	80	0.2	1150	
19400N-13600E		23	185	0.8	1110		22200N-8150E		11	74	0.2	820	
19400N-13650E		49	306	0.7	1170		22200N-8200E		7	44	0.2	1070	
19400N-13700E		27	160	0.4	1280		22200N-8250E		14	42	1.6	1610	
19400N-13750E		43	216	0.2	1110		22200N-8300E		800	98	1.0	7620	
19400N-13800E		435	300	4.6	2280		22400N-7800E		14	120	0.2	1110	
19400N-13850E		33	150	0.2	1140		22400N-7850E		15	63	0.2	1200	
19400N-13900E		37	227	1.3	2420		22400N-7900E		21	89	0.2	1370	
19400N-13950E		60	234	0.3	8580		22400N-7950E		21	100	0.2	1440	
19400N-14000E		55	200	0.3	1700		22400N-8000E		10	60	0.2	1150	
19400N-14050E		24	100	1.2	5030		22400N-8050E		14	74	0.2	1120	
19400N-14100E		24	95	0.2	12560		22400N-8100E		13	124	0.2	1010	
19400N-14150E		24	90	0.9	1750		22400N-8150E		10	105	0.2	1000	
19400N-14200E		23	95	0.3	1340		22400N-8200E		17	185	0.2	980	
19400N-14250E		81	132	1.8	4500		22400N-8250E		11	100	0.2	1010	
19400N-14300E		24	89	0.2	1270		22400N-8300E		16	100	0.2	920	
19400N-14350E		20	55	0.2	1540		22400N-8350E		12	121	0.2	1010	
19400N-14400E		44	162	1.0	3590		22400N-8400E		14	162	2.0	14980	
19400N-14450E		37	115	0.8	5390		22600N-7800E		14	59	0.2	1110	
19400N-14500E		41	155	0.9	4950		22600N-7850E		24	106	0.2	1410	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
1600N-4100E	P	32	78	1.2	730		4350E		21	152	0.2	1050	
4150E		19	352	0.6	630		4400E		18	166	0.8	1680	
4200E		14	330	0.2	770		4450E		9	83	0.2	1170	
4250E		10	115	0.6	1060		4500E		20	162	0.3	3050	
4300E		25	495	1.1	3650		4550E		14	107	0.4	1460	
4350E		17	183	0.6	1940		4600E		26	159	0.2	1390	
4400E		18	129	0.5	1480		4650E		27	205	0.7	1940	
4450E		18	119	0.6	2080		4700E		22	216	0.6	1980	
4500E		16	254	0.4	2250		4750E		23	186	0.6	1740	
4550E		17	231	0.4	1500		2200N-4300E		18	139	0.2	1330	
4600E		17	124	0.2	1270		4350E		14	113	0.2	1340	
4650E		10	160	0.5	1470		4400E		17	172	0.3	2110	
4700E		15	117	0.2	1220		4450E		15	194	0.5	1720	
4750E		94	210	0.9	1480		4500E		17	251	0.4	1790	
1800N-4100E		8	51	0.2	750		4550E		6	68	0.2	980	
4150E		6	60	0.2	590		4600E		20	406	0.2	1680	
4200E		5	35	0.2	550		4650E		20	260	0.2	1600	
4250E		7	135	0.2	730		4700E		90	118	0.3	990	
4300E		10	87	0.2	720		4750E		28	86	0.6	1300	
4350E		12	79	0.2	1160		4850E		61	128	1.6	1490	
4400E		14	53	0.2	1010		4900E		33	200	0.2	1740	
4450E		14	104	0.2	1310		4950E		36	119	0.4	1590	
4500E		12	182	0.2	1400		5000E		28	77	0.2	2190	
4550E		34	140	0.3	1470		5050E		40	62	0.3	1390	
4600E		33	255	1.3	1560		5100E		38	121	0.3	1180	
4650E		104	1140	0.5	1190		5150E		22	91	0.3	1420	
4700E		33	705	1.4	1460		5200E		20	57	0.2	1140	
2000N-4200E		3	139	0.2	640		5250E		28	83	0.2	810	
4250E		18	119	0.2	800		5300E		15	69	0.2	4290	
4300E		24	151	0.4	1620		2400N-4300E		18	408	0.7	830	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
2400N-4350E		19	165	0.3	760		4900E		77	137	1.1	1800	
4400E		11	105	0.2	880		4950E		31	210	0.2	1570	
4450E		16	170	0.2	890		5000E		28	154	1.0	1620	
4500E		17	222	0.2	1130		5050E		15	96	0.2	1530	
4550E		14	187	0.3	1090		5100E		21	43	0.8	1010	
4600E		13	103	0.3	1220		5150E		17	44	0.4	1520	
4650E		56	134	0.6	1750		5200E		19	440	1.6	1880	
4700E		17	98	0.4	1840		5250E		14	148	1.0	1320	
4750E		71	231	1.2	1240		5300E		17	276	0.2	2230	
4850E		186	291	1.8	1770		5350E		19	226	0.8	2130	
4900E		35	187	0.4	1970		5400E		12	93	1.2	1570	
4950E		28	69	0.2	1820		5450E		19	135	0.8	1900	
5000E		16	126	0.2	1500		5500E		16	111	0.6	1900	
5050E		5	74	0.3	1480		2800N-4250E		79	1105	1.6	2380	CS-2
5100E		32	142	1.1	1460		4300E		22	345	0.2	1880	
5150E		38	138	1.4	1050		4350E		17	119	0.5	1740	
5200E		19	272	0.8	1460		4400E		12	124	0.2	2280	
5250E		13	133	1.7	1040		4450E		16	159	0.2	1910	
5300E		15	173	0.7	1230		4500E		12	105	0.2	1060	
2600N-4300E		19	297	1.0	960		4550E		10	108	0.2	1440	
4350E		10	150	0.2	1080		4600E		9	141	0.2	1360	
4400E		12	159	0.2	1190		4650E		8	118	0.2	1670	
4450E		22	322	0.5	1130		4700E		9	95	1.0	1590	
4500E		24	284	0.9	1280		4750E		16	181	0.2	1840	
4550E		33	70	0.3	1400		4850E		11	74	0.2	2270	
4600E		16	248	0.5	1820		4900E		79	138	1.1	1310	
4650E		11	127	0.2	1530		4950E		31	211	0.2	1870	
4700E		12	106	0.9	1660		5000E		29	102	0.2	1340	
4750E		18	178	0.3	1500		5050E		14	92	0.2	1370	
4850E		12	76	0.2	960		5100E		21	45	0.4	1310	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
2800N-5200E	5150E	17	44	0.4	1900		3200N-4300E	5450E	16	74	0.2	1130	
	5250E	17	134	0.2	1580			5500E	8	46	0.2	1380	
	5300E	25	152	0.2	1720			4350E	12	162	0.2	1420	
	5350E	30	131	0.2	1660			4400E	12	100	0.2	1040	
				445	1.4	2940			4450E	16	178	0.2	3470
3000N-4300E	5400E	21	246	1.0	1700		4500E	14	98	0.2	1370		
	5450E	15	141	0.2	1680		4550E	13	67	0.2	1470		
	5500E	15	140	0.2	2120		4600E	18	80	0.2	1220		
	4350E	31	210	0.3	1610		4650E	25	103	0.2	1510		
		10	110	0.2	1110		4700E	25	105	0.3	1490		
	4400E	15	70	0.2	1760		4750E	12	84	0.2	1060		
	4450E	12	139	0.2	1450		4850E	13	83	0.4	1410		
	4500E	4	114	0.2	500		4900E	32	83	0.6	2720		
	4550E	11	51	0.2	1340		4950E	14	101	0.2	1680		
	4600E	11	77	0.2	1510		5000E	68	138	0.4	1350		
4650E	7	121	0.2	1070		5050E	52	130	1.2	1460			
4700E	15	105	0.2	1140		5100E	17	91	0.2	1590			
4750E	15	63	0.2	970		5150E	18	135	0.4	1290			
4850E	13	56	0.2	1050		5200E	15	95	0.6	1360			
4900E	16	221	0.2	1240		5250E	19	111	0.2	1260			
4950E	40	164	0.5	2910		5250EX	20	100	0.2	1280			
5000E	26	97	0.2	1880		5300E	18	97	0.2	1280	DS		
5050E	16	81	0.2	820		5350E	14	70	0.2	1280			
5100E	14	78	0.9	960		5400E	15	84	0.2	980			
5150E	8	71	0.2	1110		5450E	15	78	0.4	1310			
5200E	38	73	4.1	750		5500E	28	87	0.2	1430			
5250E	16	67	0.2	1130		5550E	17	79	0.2	1340			
5300E	36	192	0.7	2890		5500N-2825E	85	415	1.4	2380	CS-2		
5350E	13	87	0.2	1290		2850E	12	88	0.3	3000			
5400E	18	135	0.2	1430			37	205	0.2	11030			



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
	2875E	27	142	0.4	7990		2900E		19	425	0.5	>20000	3.5%
	2900E	89	1735	0.2	1480		2925E		20	323	0.9	>20000	2.7%
5500N-	2925E	86	1870	0.2	1950		2950E		25	725	1.7	>20000	3.5%
	2950E	30	695	0.4	2290		2975E		32	216	0.9	>20000	2.6%
	2975E	64	1000	0.2	1640		3000E		38	170	0.8	19370	
	3000E	55	835	0.4	2210		3025E		33	329	0.2	1650	
	3025E	221	560	0.9	1610		3050E		28	336	0.9	2350	
	3050E	475	730	1.4	1770		3075E		68	530	1.3	1750	
	3075E	87	490	0.7	1330		3100E		28	329	2.0	3100	
	3100E	73	405	0.6	1220		3125E		122	960	0.2	1420	
	3150E	126	660	0.3	1200		3150E		211	3040	0.2	1400	
	3200E	20	212	0.4	1980		3175E		37	229	0.4	1430	
	3250E	24	178	0.8	2380		3200E		18	870	1.4	1410	
	3300E	87	1205	1.6	1270	C3-2	3250E		95	840	0.7	1370	
	3300EX	15	157	0.4	1560		3300E		25	86	2.0	2160	
	3350E	19	241	0.4	1440		3350E		25	158	0.4	2010	
	3400E	12	106	0.6	940		3400E		73	730	0.4	1510	
	3450E	13	254	0.5	1240		3450E		53	410	0.2	1260	
	3500E	17	117	0.7	2230		3500E		36	241	1.0	3220	
	3550E	20	300	0.6	2110		3550E		30	172	3.1	1500	
5600N-	2875E	22	105	1.2	5600		5800N-2925E		18	1150	1.9	9060	
	2925E	44	700	0.2	1990		2975E		21	930	2.0	>20000	4.6%
	2975E	51	2770	1.2	5350		3025E		17	1255	2.0	>20000	2.7%
	3025E	203	1815	0.4	1610		3075E		20	1340	2.0	>20000	2.2%
	3075E	65	327	1.8	1570		5900N-2800E		12	116	0.3	1660	
	3125E	199	1875	0.4	1220		2850E		14	121	1.0	1790	
	3175E	221	2680	0.5	1240		2900E		13	149	0.2	1570	
5700N-	2800E	26	251	0.4	14790		2925E		14	156	0.8	1860	
	2850E	19	287	1.1	19190		2950E		12	136	1.9	1410	
	2875E	14	123	0.8	3590		2975E		25	186	1.2	1760	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
	3000E	18	159	0.4	1770			3350E	15	171	3.0	2150	
	3025E	16	157	0.5	1640			3400E	22	286	0.9	1810	
	3050E	16	121	0.9	1490			3450E	12	203	0.3	1320	
5900N-3075E		15	194	2.0	1780			3500E	20	200	0.7	1800	
	3100E	16	120	0.9	1370			3550E	19	211	0.5	1530	
	3150E	15	125	2.9	1490		6200N-2775E		18	665	1.9	2760	
	3200E	23	51	1.1	1460			2825E	18	670	2.4	2840	
	3250E	28	171	3.6	1850			2875E	24	475	2.0	2470	
	3300E	15	690	5.1	2930			2925E	19	420	1.2	2260	
	3350E	29	215	1.7	13550			2975E	32	174	3.0	1290	
	3400E	34	209	4.0	7990		6300N-2600E		29	130	0.2	1540	
	3450E	43	146	4.9	1300			2650E	34	217	2.8	1970	
	3500E	38	144	3.6	1080			2700E	38	895	2.5	2400	
	3550E	36	165	1.5	1990			2750E	26	685	1.7	2960	
6100N-2550E		82	1135	1.4	2370	CS-2		2775E	19	820	1.8	2970	
	2600E	6	47	0.6	1920			2800E	19	1435	2.4	2630	
	2650E	7	87	1.5	>20000	1.7 to		2825E	17	730	1.7	2920	
	2700E	15	180	0.6	2190			2850E	13	297	0.5	2500	
	2750E	9	185	0.2	2130			2875E	31	705	1.6	3460	
	2800E	23	585	1.4	2250			2900E	42	257	3.9	2590	
	2850E	16	164	0.9	2060			2925E	46	293	4.6	3170	
	2900E	17	215	1.4	2080			2950E	78	650	3.2	2650	
	2950E	16	292	1.6	2140			2975E	22	234	4.6	2450	
	3000E	13	154	1.3	1880			3000E	116	193	11.0	1040	
	3050E	17	156	2.4	1700			3050E	37	93	10.0	1250	
	3100E	13	22	1.0	1190			3100E	27	393	3.3	3000	
	3150E	15	64	2.2	1850			3150E	37	238	2.9	2500	
	3200E	33	525	2.6	>20000	1.7 to		3200E	9	274	1.7	13850	
	3250E	16	183	3.3	1750			3250E	18	231	1.9	3790	
	3300E	22	255	3.3	2920			3300E	15	164	1.4	2380	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
63N	3350E	15	114	1.0	2440			3300E	32	210	2.4	2200	
	3400E	17	147	1.8	1640			3350E	24	379	2.8	2220	
	3450E	17	163	0.6	2690			3400E	21	600	2.9	1760	
	3500E	23	266	1.3	2370			3450E	18	222	1.0	1920	
6300N-3550E		39	258	2.6	1860			3500E	21	333	0.8	1390	
6400N-2825E		55	337	3.6	15270			3550E	34	182	0.8	2550	
	2875E	40	745	3.0	8870		6600N-2775E	91	1210	8.5	17930		
	2925E	48	286	4.3	1950			2825E	55	920	3.5	>20000	2.8%
	2975E	89	366	5.7	1810			2875E	20	239	0.7	2060	
	3025E	132	149	4.7	380			2925E	28	3650	3.8	10540	
6500N-2550E		82	1000	1.4	2510	CS-2	6700N-2600E	74	223	2.0	3650		
	2600E	170	252	0.8	3480			2650E	43	209	0.3	2420	
	2650E	69	124	2.4	1440			2700E	16	151	0.5	1440	
	2700E	60	129	4.8	1270			2750E	60	216	3.6	2180	
	2750E	41	132	2.8	1580			2800E	10	26	0.8	1560	
	2800E	16	154	1.0	1880			2825E	8	34	1.0	1670	
	2825E	19	209	1.1	2130			2850E	109	465	6.2	2950	
	2850E	51	156	3.0	2020			2875E	90	192	3.2	5660	
	2875E	78	205	4.0	2240			2900E	104	645	7.0	6270	
	2900E	120	370	8.0	1600			2925E	114	540	8.2	11590	
	2925E	89	124	6.6	1070			2950E	109	260	7.2	13760	
	2950E	82	202	4.7	970			3000E	77	241	4.6	18050	
	2975E	84	125	5.2	810			3050E	37	305	3.8	19890	
	3000E	75	110	4.1	690			3100E	53	375	3.6	10620	
	3025E	83	184	7.9	800			3150E	17	226	2.0	14230	
	3050E	71	276	8.5	1060			3200E	20	228	1.6	4650	
	3100E	74	293	10.0	1390			3250E	17	243	1.4	4930	
	3150E	58	298	4.5	1090			3300E	19	475	1.9	>20000	2.8%
	3200E	20	127	3.0	2340			3350E	16	280	0.2	2130	
	3250E	20	110	3.2	4470			3400E	21	510	0.5	2360	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
67N	3450E	21	229	0.4	1870		4550E		26	116	0.2	980	
	3500E	23	264	0.8	1950		4600E		20	95	0.2	960	
	3550E	30	250	0.6	2610		4650E		73	158	0.6	800	
6800N-2925E		27	233	0.6	4030		4700E		8	56	0.2	980	
	2975E	38	353	1.1	11660		4750E		17	187	0.2	950	
6800N-3025E		21	525	2.2	16340		4800E		23	141	0.2	890	
6900N-2600E		18	370	1.2	1340		4850E		24	162	0.2	950	
	2650E	16	440	1.2	7330		4900E		19	113	0.3	950	
	2700E	18	495	1.2	7380		4950E		21	104	0.2	950	
	2750E	17	354	0.7	6910		13900N-5050E		4	62	0.2	1100	
	2800E	18	405	1.0	12180		5100E		4	68	0.2	940	
	2850E	18	313	0.5	4570		5300E		20	90	0.2	1100	
	2900E	18	347	1.2	6940		5350E		21	122	0.2	1010	
	2925E	12	163	0.4	4600		5400E		3	39	0.2	990	
	2950E	10	445	1.4	11960		5450E		177	297	0.9	2130	
	2975E	17	184	0.8	6690		5500E		6	49	0.2	1050	
	3000E	9	39	0.6	6790		14000N-4500E		64	119	0.3	1040	
	3025E	11	74	1.2	8570		4550E		2	51	0.2	1060	
	3050E	13	89	1.3	11260		4600E		7	106	0.2	1070	
	3100E	14	122	2.4	12370		4650E		7	87	0.2	1030	
	3150E	32	109	4.5	9090		4700E		7	88	0.2	1130	
	3200E	17	151	4.4	5880		4750E		31	217	0.2	980	
	3250E	21	111	3.8	7450		4800E		10	47	0.2	1040	
	3300E	13	299	0.8	>20000		4850E		11	94	0.2	1020	
	3350E	15	78	1.4	7380		4900E		13	176	0.2	990	
	3400E	24	299	0.8	1860		4950E		45	152	0.2	1090	
	3450E	24	177	1.0	2040		14100N-5025E		29	223	0.2	1020	
	3500E	30	288	0.7	2400		5050E		80	955	0.9	1600	
	3550E	32	304	1.1	2130		5075E		181	3650	2.0	2320	
13800N-4500E		22	77	0.2	1050		5100E		47	720	0.5	1470	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
141N	5125E	172	2620	1.6	1970		4850E	38	313	0.2	1070		
	5225E	93	715	0.7	1690		4900E	8	94	0.2	1010		
	5250E	89	1300	0.9	2150		4950E	7	80	0.2	1090		
	5275E	80	252	0.7	1620		5075E	9	136	0.2	1130		
	5300E	134	965	1.2	1850		5125E	22	775	0.2	950		
	5350E	132	460	0.9	2150		5175E	180	5250	0.9	1560		
14100N-5400E	85	975	0.2	1730			5225E	59	4430	0.3	1340		
	5450E	10	53	0.2	1090		5275E	241	5030	1.0	1800		
	5500E	8	83	0.2	990		5325E	43	950	0.9	2920		
	5550E	84	1200	1.5	2410	CS-2	15000N-13650E	92	950	1.6	2400	CS-2	
14200N-4500E	6	171	0.2	990			13700E	22	148	0.2	1970		
	4550E	5	114	0.2	1100		13750E	19	167	0.3	2310		
	4600E	7	95	0.2	1120		13800E	15	139	0.4	3810		
	4650E	16	214	0.2	1100		13850E	9	69	0.2	1170		
	4700E	5	81	0.2	1000		13900E	9	74	0.2	1470		
	4750E	5	157	0.2	1010		13950E	12	79	0.2	1210		
	4800E	7	141	0.2	940		14000E	16	66	0.4	1200		
	4850E	8	90	0.2	970		14050E	36	274	3.2	3650		
	4900E	11	105	0.2	1000		14100E	8	93	0.2	1260		
	4950E	13	226	0.2	1040		14150E	13	115	0.4	2540		
14300N-5400E	28	193	0.2	1140			14200E	6	92	0.3	1520		
	5450E	24	97	0.2	1270		14250E	7	103	1.9	2900		
	5500E	20	118	0.2	1170		14300E	5	60	0.7	1460		
14400N-4500E	2	145	0.2	650			14350E	5	122	1.4	5600		
	4550E	9	211	0.2	1020		14400E	7	154	2.1	3670		
	4600E	7	77	0.2	1040		14450E	12	60	0.5	1530		
	4650E	6	92	0.2	1110		14500E	13	91	0.3	1950		
	4700E	7	85	0.2	1030		14550E	14	144	0.5	1790		
	4750E	7	281	0.2	1070		14600E	12	88	0.2	1480		
	4800E	103	945	0.3	1500		14650E	14	79	0.5	1480		





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
150N	14700E	11	97	1.0	15300		14350E	56	217	0.2	3620		
	14750E	12	84	0.4	1680		14400E	23	111	0.2	8880		
	14800E	15	153	0.7	2360		14450E	19	81	0.3	4950		
	14850E	14	125	0.6	2270		14500E	21	103	0.2	1730		
	14900E	13	117	0.2	1780		14550E	23	93	0.2	1680		
	14950E	17	227	0.4	1510		14600E	29	99	0.3	1660		
	15000E	46	27	1.0	2420		14650E	16	139	0.2	2410		
15000N-	15050E	59	125	1.6	2600		14700E	26	170	0.4	3350		
	15100E	18	130	1.8	5750		14750E	32	630	0.8	3530		
	15150E	13	24	1.4	5580		14800E	19	125	0.6	2390		
	15200E	11	140	1.8	18730		14850E	22	292	1.2	2420		
	15250E	24	135	1.7	4320		14900E	41	570	1.7	1710		
	15300E	28	270	0.6	2520		14950E	17	137	1.0	1700		
	15350E	23	136	1.0	1890		15000E	19	127	0.7	1460		
	15400E	15	227	0.2	1600		15050E	18	119	1.8	1360		
	15450E	16	195	0.2	1960		15100E	15	111	0.3	1490		
	15500E	22	88	0.2	2150		15800N-13650E	80	985	1.5	2390	C3-2	
15400N-	13650E	85	985	1.7	2430	C3-2	13700E	8	93	0.2	2270		
	13700E	15	120	1.1	1440		13750E	9	99	0.2	2240		
	13750E	20	137	0.7	2440		13800E	13	41	0.2	1370		
	13850E	10	90	0.2	2020		13850E	15	121	2.0	3300		
	13900E	14	118	0.3	3130		13900E	15	89	0.2	2060		
	13950E	9	115	0.7	2860		13950E	10	83	0.6	1860		
	14000E	18	120	0.2	8340		14000E	11	38	0.8	6330		
	14050E	15	109	0.2	2830		14050E	9	52	0.4	3360		
	14100E	25	147	0.6	6490		14150E	13	84	0.7	1960		
	14150E	12	84	0.6	16340		14200E	10	74	0.2	1940		
	14200E	10	52	0.4	1530		14250E	7	72	0.2	6290		
	14250E	13	78	0.2	2870		14300E	10	74	0.4	3820		
	14300E	13	83	0.2	18360		14350E	12	114	0.2	4010		



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
152N	14400E	16	152	0.7	6340			14400E	11	84	0.2	4640	
	14450E	41	495	0.3	7980			14450E	14	109	1.0	1700	
	14500E	48	650	0.3	9120			14500E	11	113	0.2	8240	
	14550E	33	460	0.3	11800			14550E	7	81	0.4	4390	
	14600E	30	258	0.2	13760			14600E	9	84	0.2	5740	
	14650E	33	244	0.6	11740			14650E	20	166	0.2	2660	
	14700E	42	189	0.2	8400			14700E	15	115	0.2	2060	
	14750E	45	655	0.2	6580			14750E	13	108	0.2	4110	
15800N-14800E	14800E	48	480	0.5	9260			14800E	16	118	0.4	6820	
	14850E	33	505	0.2	4980			14850E	17	123	0.2	2150	
	14900E	65	620	0.3	15460			14900E	9	112	0.2	10780	
	14950E	35	256	0.2	2040			14950E	12	97	0.2	9680	
	15000E	11	105	0.2	3160			15000E	18	149	0.2	11780	
	15050E	17	91	0.2	1230			15050E	17	112	0.2	8700	
	15100E	28	84	0.2	1590			15100E	10	117	0.2	5430	
	15150E	15	290	0.2	1300			15150E	13	88	0.2	6360	
16200N-13700E	13700E	17	123	0.8	2100			15200E	18	108	0.4	4470	
	13750E	13	111	0.4	1450			15250E	24	266	1.0	3360	
	13800E	13	167	0.4	1760			15300E	19	166	0.4	6630	
	13850E	14	110	0.4	1730			15350E	18	153	0.3	10140	
	13900E	11	111	0.4	2510			15400E	20	237	0.6	6580	
	13950E	10	64	0.2	1930			15450E	27	182	0.2	5140	
	14000E	13	79	0.2	2810			15550E	14	78	0.6	3660	
	14050E	16	140	0.8	3010			15600E	23	150	0.4	2580	
	14100E	14	109	0.2	6360			15650E	27	127	0.2	8600	
	14150E	12	109	0.2	2230			15700E	22	204	0.2	2630	
	14200E	19	107	0.3	1600			15750E	18	144	0.4	3660	
	14250E	15	89	2.7	1440			15800E	15	102	0.2	2150	
	14300E	18	166	0.7	2890			15850E	21	176	1.0	3790	
	14350E	11	101	0.2	1610			15900E	20	130	0.4	6750	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES
162N	15950E	17	244	0.3	4650			14000E	19	93	0.4	1350	
16600N-	12550E	19	164	0.5	1100			14050E	14	122	0.4	1520	
	12600E	25	175	0.2	1390			14100E	18	113	0.2	1930	
	12650E	25	221	0.4	1870			14150E	11	75	0.2	1810	
	12700E	18	133	0.3	1190			14200E	17	74	0.2	1860	
	12750E	30	261	0.2	1370			14250E	16	60	0.2	1430	
	12800E	25	233	0.6	1470			14300E	13	95	0.2	3480	
	12850E	21	226	0.2	1410			14350E	15	94	0.2	1770	
	12900E	17	142	0.2	1230			14400E	12	61	0.2	2270	
16600N-	12950E	14	129	0.4	1740			14450E	18	124	0.2	2000	
	13000E	21	198	0.2	3660			14500E	18	97	0.4	1550	
	13050E	26	211	0.2	2880			14550E	20	136	0.2	2250	
	13100E	17	113	0.2	2640			14600E	17	119	0.2	2460	
	13150E	21	157	0.2	3490			14650E	16	132	0.2	1980	
	13200E	11	84	0.2	1820			14700E	19	91	0.2	2960	
	13250E	15	111	0.2	1650			14750E	42	166	0.2	2380	
	13300E	13	81	0.2	1770			14800E	47	127	0.3	2680	
	13350E	15	97	0.2	1580			14850E	18	262	0.5	13870	
	13400E	13	81	0.2	1370			14900E	86	1180	1.7	2410	CS-2
	13450E	16	120	0.2	1770		16950N-	12500E	14	118	0.2	960	
	13500E	19	188	0.7	1670		17000N-	13500E	29	261	1.0	2210	
	13550E	12	140	0.4	1770			13550E	26	165	0.6	1250	
	13600E	12	143	0.2	1560			13600E	12	65	0.6	1100	
	13650E	17	222	0.2	1870			13650E	39	352	1.9	1540	
	13700E	13	132	0.2	1490			13700E	22	201	1.5	1590	
	13750E	17	159	0.4	1460			13750E	16	51	0.6	1390	
	13800E	26	144	0.2	1320			14750E	46	286	2.4	6510	
	13850E	23	140	0.2	1990			14800E	41	190	0.2	5590	
	13900E	16	110	0.2	1530			14850E	48	263	1.0	5060	
	13950E	17	116	0.6	1490			14900E	12	79	0.3	2800	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
170N	14950E	10	45	0.2	1280			13450E	19	167	0.2	8460	
	15000E	8	30	0.2	1870			13500E	22	207	0.2	3730	
	15050E	9	39	0.2	1240			13600E	32	188	0.5	8810	
	15100E	12	58	0.2	1400			13650E	23	128	0.2	4720	
	15150E	14	81	0.6	1570			13700E	15	83	0.2	3760	
	15200E	11	65	0.2	1510			13800E	19	131	0.2	1490	
	15250E	8	44	0.2	1360			1600N-4800E	36	131	0.2	1180	
	15300E	13	81	0.4	1490			1650N	93	285	0.4	1240	
	15350E	10	43	0.3	1230			1700N	226	389	2.0	1320	
	15400E	11	55	0.5	1120			1750N	81	153	0.2	880	
17000N-15450E		9	38	0.2	1180			1800N	46	207	0.3	2600	
	15500E	20	785	0.2	2100			1850N	74	180	0.4	2070	
	15550E	87	1235	1.4	2370	CS-2		1900N	134	196	3.8	1790	
17400N-12600E		13	104	0.2	1090			1950N	5	22	0.4	810	
	12650E	14	123	0.4	1700			2000N	32	59	1.0	1360	
	12700E	13	107	0.2	2330			2050N	33	470	0.4	1760	
	12750E	10	114	0.2	1910			2100N	22	216	0.2	1320	
	12800E	14	131	0.2	1640			2150N	43	84	0.9	1690	
	12850E	10	85	0.2	1470			2200N	26	143	0.5	1710	
	12900E	17	181	0.4	1420			2250N	26	137	1.2	1590	
	12950E	19	185	0.4	1420			2300N	20	166	0.2	1750	
	13000E	19	190	0.2	1520			2350N	21	88	0.2	1310	
	13050E	17	189	0.3	1720			2400N	19	126	0.2	1480	
	13100E	18	180	0.4	2100			2450N	12	100	0.2	1080	
	13150E	18	159	0.7	2510			2500N	15	84	0.2	1140	
	13200E	14	107	0.2	2440			2550N	30	170	0.2	1380	
	13250E	16	130	0.6	1910			2600N	30	86	0.2	1290	
	13300E	22	129	0.8	1850			2650N	26	104	0.8	1420	
	13350E	23	166	0.4	3040			2700N	26	94	0.6	1530	
	13400E	22	93	0.2	1600			2750N	21	99	0.2	1330	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
L-13500N-13700E		14	102	0.2	1350		13900		15	95	0.2	1030	
13750		17	116	0.2	1770		13950		17	120	0.2	1050	
13800		21	154	0.4	2160		14000		17	129	0.2	1050	
13850		14	80	0.3	1490		14050		24	179	0.3	1080	
13900		14	63	0.2	1370		14100		13	96	0.2	1190	
13950		14	54	0.2	1480		14150		11	104	0.2	1170	
14000		15	70	0.2	1300		14200		15	90	0.2	11280	
14050		15	99	1.2	1760		14250		18	97	0.5	1300	
14100		19	93	0.3	1360		14300		19	109	0.2	1830	
14150		21	77	0.2	1340		14350		16	91	0.2	2010	
L-13800N-16600E		28	93	0.4	1930		14400		26	124	0.2	1960	
16650		25	91	0.5	1950		14500		8	57	0.2	4010	
16700		14	111	0.2	1440		14550		14	111	0.7	3620	
16750		15	79	0.2	1760		14600		9	61	0.3	3950	
16800		18	146	0.2	1520		14650		8	65	0.2	3340	
16850		10	91	0.2	1290		14700		17	170	0.4	4410	
16900		19	125	0.2	1900		14750		18	88	1.3	4230	
16950		17	105	0.2	1280		14800		13	80	0.6	2320	
17000		27	119	0.6	2710		14850		13	104	1.2	3290	
17050		23	341	0.7	1350		14900		16	77	0.4	1890	
17100		10	110	0.4	1580		14950		19	105	0.7	2290	
17150		13	161	0.2	1410		15000		11	83	1.0	3860	
17200		27	154	0.3	2170		15050		11	91	1.2	4030	
17250		24	173	0.2	2050		15100		15	98	1.0	2560	
17300		27	198	0.2	2110		15150		13	97	1.3	2060	
17350		89	1045	1.8	2420 CS-2		15200		10	58	0.8	4640	
L-14200N-13700E		18	91	0.2	1040		15250		18	168	0.6	5310	
13750		18	104	0.8	1010		15300		18	127	0.6	3390	
13800		17	152	0.5	990		15350		13	81	0.2	3220	
13850		13	90	0.3	950		15400		13	81	0.5	1710	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
142 N													
15450		14	115	0.6	2170		16950		21	238	0.4	1880	
15500		14	107	0.5	1820		17000		15	313	0.2	1710	
15550		10	114	0.2	1710		17050		25	294	0.2	1513	
15600		15	129	0.2	2420		17100		14	195	0.2	1320	
15650		17	186	0.6	2770		17150		18	187	0.2	1840	
15700		12	102	0.2	1870		17200		25	266	0.4	2680	
15750		15	156	0.2	1850		17250		15	190	1.2	1750	
15800		13	158	0.5	2110		17300		60	455	0.4	2880	
15850		12	102	0.3	1680		17350		89	1100	1.6	2400	CS-2
15900		11	112	0.2	1790		L-14600N-13700E		30	233	1.2	1520	
15950		17	193	0.2	1910		13750		19	132	0.4	1140	
16000		15	169	0.6	2910		13800		22	144	0.4	1420	
16050		16	238	2.6	1560		13850		15	58	0.2	1340	
16100		19	242	0.3	1800		13900		17	129	0.6	1720	
16150		12	125	0.8	1580		13950		16	201	2.2	1780	
16200		14	118	0.2	1640		14050		38	256	1.8	1890	
16250		12	104	1.2	1660		14100		19	121	2.0	1990	
16300		15	266	2.4	1530		14150		24	336	1.0	3540	
16350		40	800	2.2	2670		14200		13	71	0.4	1630	
16400		40	259	2.2	2360		14250		31	114	0.2	2490	
16450		46	285	1.4	2190		14300		17	83	0.4	1410	
16500		54	334	1.0	2370		14350		12	200	0.8	4870	
16550		64	371	1.0	2020		14400		22	103	0.8	4700	
16600		75	278	0.8	2920		14450		11	103	1.6	8470	
16650		47	272	1.0	2290		14500		8	248	2.2	870	
16700		29	575	0.4	5050		14550		8	377	0.6	1690	
16750		43	790	0.4	1950		14600		5	146	2.0	1740	
16800		32	336	0.2	2010		14650		12	35	1.0	2580	
16850		13	174	0.3	1420		14700		11	60	2.8	5560	
16900		23	325	0.4	1780		14750		9	93	0.2	2250	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
14800		7	78	0.3	1670		16350		13	286	0.3	1220	
14850		9	52	2.0	3620		16400		30	346	1.0	1570	
14900		8	93	0.4	7050		16450		26	219	0.8	1560	
14950		5	47	0.8	3520		16500		27	260	1.4	1500	
15000		19	168	1.8	5740		16550		28	161	0.7	1430	
15050		15	203	1.2	2830		16600		21	138	0.6	1440	
15100		36	515	0.2	1820		16650		26	180	0.8	1670	
15150		15	139	0.2	1250		16700		22	176	0.8	1550	
15200		14	175	0.5	2050		16750		19	245	0.4	1590	
15250		12	178	0.5	2320		16800		21	217	0.6	2000	
15300		24	237	0.2	1380		16850		19	149	0.2	1790	
15350		17	78	0.4	1560		16900		24	256	0.4	1550	
15400		18	233	0.4	1960		16950		17	169	0.3	1730	
15450		14	191	1.6	1850		17000		17	183	0.2	1800	
15550		69	245	3.2	3150		17050		26	279	0.3	3920	
15600		19	162	2.0	3860		17100		21	87	0.5	2030	
15650		27	890	1.6	3770		17150		15	178	0.2	4170	
15700		63	189	4.8	3480		17200		13	156	0.2	1480	
15750		24	296	3.0	3570		17250		16	122	0.2	1480	
15800		18	56	0.5	1870		17300		12	89	0.2	1480	
15850		24	176	1.0	1690		17350		88	1120	2.0	2420	CS-2
15900		15	162	0.6	2300		L-15000N-15550E		26	95	1.0	2660	
15950		21	139	0.6	2190		15600		16	58	0.4	2050	
16000		18	142	2.4	1590		15650		20	70	0.4	1970	
16050		18	209	0.6	2470		15700		25	120	0.4	2760	
16100		21	263	0.5	1910		15750		24	219	0.5	2110	
16150		17	149	0.9	1690		15800		21	200	0.8	1970	
16200		15	136	0.4	1620		15850		22	175	0.6	1740	
16250		16	175	1.0	1510		15900		22	189	0.2	1720	
16300		14	217	0.6	1610		15950		18	133	0.2	1770	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
150 N													
16000		22	104	0.6	1660		15900		18	134	0.2	1190	
16050		21	383	0.8	1630		15950		15	95	0.2	1340	
16100		18	94	1.0	1690		16000		21	154	0.2	1360	
16150		17	218	1.0	1590		16050		21	165	0.2	1320	
16200		21	137	1.0	2130		16100		14	151	0.2	1010	
16250		18	181	0.4	1270		16150		17	177	0.2	4670	
16300		15	81	0.2	1190		16200		43	133	0.2	2960	
16350		6	77	0.2	1020		16250		26	138	0.4	6030	
16400		19	103	0.3	1370		16300		27	163	0.6	5360	
16450		15	73	0.9	1290		16350		21	129	0.2	10330	
16500		17	64	0.3	1260		16400		42	148	2.8	1630	
16550		18	113	0.8	1660		16450		18	82	0.3	1660	
16600		25	161	1.2	2460		16500		13	143	0.5	1310	
16650		25	99	1.2	2070		16550		19	113	0.2	1400	
16700		21	116	1.0	1660		16600		31	136	0.8	2430	
16750		22	116	0.8	1690		L-16200N-16000E		21	118	0.2	2480	
16800		19	110	0.2	1600		16050		14	57	0.2	1690	
16850		22	113	0.6	1800		16100		16	131	0.2	4370	
16900		17	68	0.4	1410		16150		13	93	0.2	3100	
16950		22	58	0.6	1350		16200		18	219	0.2	3410	
17000		19	66	0.2	1450		16250		18	156	0.2	7120	
17050		19	62	0.2	1660		16300		20	87	0.2	1800	
17100		19	117	1.2	1840		16350		20	136	0.2	1920	
17150		23	94	0.4	1470		16400		20	141	0.2	1590	
17200		43	137	0.4	1930		16450		18	123	0.3	2200	
17250		61	78	0.2	800		16500		26	147	0.8	1950	
17300		70	136	0.2	1380		16550		18	129	0.6	1850	
17350		92	1040	1.6	2440	CS-2	16600		37	123	0.2	2170	
L-15500E-15750N		14	93	0.2	1000		16650		17	109	0.2	3520	
15850		17	105	0.2	1380		16700		20	126	0.2	1580	





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130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: (604) 985-0681 TELEX: 04-352667

## Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES
9900N-4700E		77	294	1.0	2520		5450E		130	58	0.8	1060	
4730E		56	158	2.2	2510		5500E		125	42	0.8	1180	
4800E		69	256	1.4	1900		5550E		119	40	1.2	1170	
4850E		47	120	0.4	1710		5600E		88	33	1.0	1060	
4900E		41	242	0.7	2220		5650E		82	1100	1.8	2460	CS-3
4950E		50	231	0.7	1690		10300N-4600E		120	1120	2.0	760	
5050E		88	153	2.2	1510		4650E		12	42	0.3	1450	
5100E		54	54	0.8	1090		4700E		68	127	2.0	2710	
5150E		189	134	2.0	1410		4750E		96	283	1.3	1700	
5200E		570	154	4.6	1650		4800E		495	363	2.8	2360	
5250E		399	91	2.6	1260		4850E		336	277	9.8	480	
5300E		1260	89	14.0	1370		4900E		935	245	7.4	730	
5350E		520	95	2.9	870		4950E		755	241	10.0	710	
5400E		194	167	1.7	840		5050E		670	25	9.0	230	
5450E		204	76	1.2	1040		5100E		1460	34	8.0	260	
5500E		181	73	1.8	1100		5150E		399	16	4.6	190	
5550E		242	91	1.8	1220		5200E		1800	26	12.0	240	
5600E		192	75	1.4	780		5250E		1760	12	15.0	190	
10100N-4750E		33	51	0.8	970		5300E		665	71	5.8	170	
4800E		48	186	0.8	1460		5350E		465	48	3.4	190	
4850E		166	141	1.2	1640		5400E		445	51	5.0	180	
4900E		475	1640	4.4	7120		5450E		304	55	2.0	160	
4950E		283	580	5.2	4480		5500E		206	65	3.0	140	
5050E		143	85	1.8	1970		10500N-4600E		121	940	2.6	120	
5100E		148	45	0.9	1540		4650E		104	735	1.9	300	
5150E		410	217	5.4	1660		4700E		100	620	1.0	320	
5200E		362	51	3.4	1050		4750E		48	109	2.0	200	
5300E		465	218	2.7	1220		4800E		760	77	3.6	630	
5350E		161	60	1.2	1070		4850E		134	157	0.8	450	
5400E		207	84	1.2	1190		4900E		92	117	0.8	310	



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130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: (604) 985-0681 TELEX: 04-352667

## Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
105N	4950E	213	159	2.8	1560		12150E		27	97	0.3	330	
	5050E	187	339	2.2	2310		12200E		21	119	0.2	140	
	5100E	156	223	3.2	2640		12250E		2	109	0.2	170	
	5150E	2300	31	12.0	1520		12300E		12	125	0.8	450	
	5200E	545	59	4.4	860		12350E		18	113	0.2	240	
	5250E	485	52	4.0	870		12400E		7	61	0.3	770	
	5300E	540	31	5.7	790		12450E		7	98	0.3	710	
	5350E	255	39	3.6	1550		12500E		25	100	0.4	290	
	5400E	425	56	4.2	730		12550E		15	77	0.2	400	
	5450E	410	42	3.4	970		12600E		9	109	0.3	920	
	5500E	342	35	3.8	990		12650E		13	127	1.0	3070	
	5550E	81	1100	2.0	2470	CS-3	12700E		23	158	4.4	6050	
10700N-4700E	22.4% > 10000	16900	50.0	50.0	1510		12750E		18	98	0.5	3920	
	4750E	640	570	3.0	2980		12800E		11	80	0.6	4330	
	4800E	765	176	4.8	2980		12850E		5	59	0.3	3780	
	4850E	394	285	4.8	2270		12900E		7	60	0.2	3550	
	4900E	359	207	3.8	2290		12950E		9	81	0.2	3640	
	4950E	470	273	3.4	2520		13000E		7	58	0.2	3300	
	5050E	295	50	4.2	2180		13050E		12	57	0.2	1780	
	5100E	222	56	3.4	1970		13100E		15	48	0.2	1540	
	5150E	102	30	1.4	400		13150E		18	72	0.3	1720	
	5200E	127	66	1.6	340		13200E		15	57	0.6	1270	
	5250E	204	65	2.4	250		13250E		13	72	0.2	1900	
	5300E	118	85	1.2	220		13300E		15	58	0.2	1320	
	5350E	85	1100	1.8	510	CS-3	13350E		15	64	0.3	2070	
11400N-11900E		18	279	1.2	390		13400E		13	81	0.8	2340	
	11950E	12	100	0.6	290		13450E		15	83	0.7	2260	
	12000E	8	63	0.2	270		13500E		13	67	0.3	1550	
	12050E	31	106	0.4	190		13550E		10	78	0.2	1250	
	12100E	13	73	0.2	480		13600E		12	86	0.2	1240	

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130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: (604) 985-0681 TELEX: 04-352667

## Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES
114N	13650E	15	71	0.3	1340		114N	15150E	4	77	0.2	280	
	13700E	14	143	0.3	2200			15200E	4	79	0.2	190	
	13750E	20	159	2.4	2130			15350E	ND	93	0.2	320	
	13800E	26	110	0.4	1390			15400E	4	101	0.4	270	
	13850E	15	91	0.5	1470			15450E	3	78	0.4	400	
	13900E	19	113	0.2	1710			15600E	4	64	0.3	490	
	13950E	7	75	0.2	1610			15650E	5	96	0.2	410	
	14000E	10	90	0.4	2080			15700E	5	78	0.4	340	
	14050E	17	97	0.5	1490			15750E	4	74	0.4	270	
	14100E	18	91	1.2	2190			15800E	4	66	0.2	450	
	14150E	13	101	0.2	1250			15850E	5	69	0.4	1960	
	14200E	12	130	1.0	1310			15900E	6	103	1.2	2560	
	14250E	13	101	0.2	1290			15950E	8	51	0.2	1400	
	14300E	8	71	0.2	1780			16000E	6	76	0.8	2280	
	14350E	7	81	0.2	1380			16050E	6	86	0.5	2260	
	14400E	12	114	0.3	1340			16100E	5	79	0.5	1680	
	14450E	10	81	0.3	1340			16150E	8	91	0.5	2120	
	14500E	12	52	0.2	1490			16200E	11	103	0.4	1710	
	14550E	14	105	0.8	1090			16250E	15	96	0.4	1640	
	14600E	15	81	0.2	1160			16300E	13	131	0.2	1750	
	14650E	7	54	0.4	720			16350E	11	112	0.5	2060	
	14700E	4	74	0.2	410			16400E	10	96	0.8	1900	
	14750E	7	86	0.3	270			16450E	13	91	0.3	1680	
	14800E	3	54	0.3	310			16500E	9	77	0.6	1550	
	14850E	3	64	0.3	320			16550E	7	62	1.0	1630	
	14900E	8	127	0.9	190			16600E	9	70	0.4	1640	
	14950E	15	162	1.0	300			16650E	3	47	0.2	2500	
	15000E	12	94	0.3	250			16700E	7	93	0.3	1340	
	15050E	11	85	0.3	250			16750E	4	75	0.2	1670	
	15100E	4	50	0.4	410			16800E	6	83	0.5	1310	



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### Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
114N	16850E	6	36	0.5	1520		118N	13550E	28	94	1.2	1160	
	16900E	7	162	0.4	1140			13600E	13	97	0.4	1430	
	16950E	3	53	0.3	1320			13650E	15	69	0.5	1350	
	17000E	5	48	1.4	1620			13700E	16	88	0.3	1380	
	17050E	7	66	0.2	1280			13750E	8	63	0.4	1120	
	17100E	2	44	0.4	2440			13800E	18	83	0.3	1340	
	17150E	2	57	0.4	1420			13850E	8	100	0.3	1210	
	17200E	ND	34	0.3	980			13900E	11	90	0.4	1370	
	17250E	2	60	0.2	1670			13950E	15	121	0.4	1280	
	17300E	ND	41	0.2	1560			14000E	11	63	0.2	1300	
11800N-12500E		82	1180	2.0	2420	CS-3		14050E	12	77	0.5	1190	
	12600E	10	88	0.2	1560			14100E	12	77	0.3	1260	
	12650E	13	91	0.2	1580			14150E	12	51	0.2	1200	
	12700E	10	82	0.3	2820			14200E	23	65	0.2	1410	
	12750E	8	53	0.3	2326			14250E	13	72	0.2	1270	
	12800E	17	73	0.5	2326			14300E	15	65	0.3	1380	
	12850E	13	82	0.4	2070			14350E	10	94	0.6	1580	
	12900E	15	77	0.2	2150			14400E	8	50	0.6	1320	
	12950E	23	92	0.5	2370			14450E	10	55	0.4	1310	
	13000E	14	87	0.4	2610			14500E	8	43	0.4	1270	
	13050E	26	138	0.3	3070			14550E	13	44	0.2	1270	
	13100E	44	144	0.2	3130			14600E	10	60	0.7	1240	
	13150E	53	610	1.4	1610			14650E	8	64	0.2	1300	
	13200E	17	137	1.4	2130			14700E	8	39	0.2	1170	
	13250E	18	143	1.4	2290			14750E	13	72	0.7	1450	
	13300E	13	94	0.8	1940			14800E	8	68	0.3	1220	
	13350E	14	121	1.0	2380			14850E	11	59	0.2	1320	
	13400E	18	51	0.8	2160			14900E	4	55	0.4	1130	
	13450E	7	75	0.4	2710			14950E	9	57	0.4	1200	
	13500E	7	67	0.5	2550			15000E	5	54	0.4	1180	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Ba PPM	NOTES
118N	15050E	12	105	0.5	1080		118N	16550E	11	61	0.4	1530	
	15100E	14	119	0.4	1290			16600E	11	64	0.6	1940	
	15150E	14	90	0.2	980			16650E	10	97	0.7	1890	
	15200E	17	101	0.2	1360			16700E	12	86	0.5	2260	
	15250E	13	68	0.2	1280			16750E	12	68	0.6	2790	
	15300E	14	190	0.6	1080			16800E	11	74	0.7	2200	
	15350E	14	63	0.3	1120			16850E	10	76	0.4	2350	
	15400E	7	78	0.3	1210			16900E	6	66	0.3	2580	
	15450E	14	98	0.2	1270			16950E	3	57	1.0	1850	
	15550E	12	54	0.2	1300			17000E	ND	40	0.2	1450	
	15600E	11	61	0.2	1400			17050E	6	78	0.6	1490	
	15650E	7	60	0.3	1400			17100E	5	140	0.5	1610	
	15700E	9	58	0.2	1760			17150E	3	63	0.2	1180	
	15750E	6	58	0.5	2390			17200E	10	88	0.6	2370	
	15800E	8	50	0.5	1800			17250E	4	55	0.4	2530	
	15850E	9	67	0.4	2030			17300E	6	55	0.3	2240	
	15900E	18	119	0.2	1500			17350E	81	1150	2.0	2400	CS-2
	15950E	13	162	0.4	1380		12200N-	13900E	12	119	0.2	2180	
	16000E	14	97	0.7	1370			13950E	10	83	0.4	2360	
	16050E	13	151	0.6	1420			14000E	9	70	0.4	1910	
	16100E	18	87	0.5	1350			14050E	9	104	0.5	2340	
	16150E	13	77	0.4	1400			14100E	9	73	0.5	2180	
	16200E	16	74	0.2	1560			14150E	9	97	0.9	2190	
	16250E	14	53	0.2	1330			14200E	9	69	0.7	2120	
	16300E	13	63	0.3	1540			14250E	11	79	0.6	2420	
	16350E	14	76	0.3	1710			14300E	5	68	0.2	1860	
	16400E	2	43	0.2	1490			14350E	8	74	0.3	2450	
	16450E	85	1100	2.0	2410	CS-3		14400E	5	65	0.4	2160	
	16450E A	2	51	0.5	2150			14450E	6	69	0.6	2450	
	16500E	4	72	0.6	1330			14500E	10	90	0.4	2240	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sr PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sr PPM	NOTES
122N	14550E	10	85	0.2	2190		122N	16100E	9	93	0.7	1620	
	14600E	8	89	0.3	1970			16150E	13	99	0.6	1550	
	14650E	8	65	0.4	1570			16200E	9	50	0.2	1250	
	14700E	7	92	0.9	2480			16250E	11	92	0.3	3540	
	14750E	8	63	0.3	1490			16300E	14	66	0.4	1510	
	14800E	7	76	0.4	1620			16350E	5	43	0.5	1960	
	14850E	6	137	1.4	2160			16400E	6	58	0.6	2260	
	14900E	14	136	1.7	3470			16450E	6	49	0.4	2090	
	14950E	6	64	0.3	1530			16500E	9	59	0.4	2940	
	15000E	9	76	0.4	1910			16550E	6	59	0.2	2170	
	15050E	10	112	0.8	2220			16600E	18	114	0.8	1720	
	15100E	9	60	0.6	1350			16650E	7	86	0.5	2300	
	15150E	8	61	0.4	1770			16700E	18	675	0.2	1800	
	15200E	11	60	0.6	1980			16750E	18	244	0.2	2790	
	15250E	7	76	0.4	1220			16800E	14	143	0.3	2370	
	15300E	9	63	0.4	1350			16850E	7	106	0.6	2800	
	15350E	7	55	0.2	1340			16900E	10	88	0.4	5000	
	15400E	7	84	0.4	2010			16950E	24	71	0.7	730	
	15450E	8	49	0.2	1320			17000E	26	203	0.8	4060	
	15550E	8	71	0.3	1400			17050E	10	70	0.4	2580	
	15600E	7	61	1.0	1630			17100E	11	67	0.6	2470	
	15650E	7	52	0.7	1600			17150E	10	68	0.4	2830	
	15700E	8	66	1.6	1670			17200E	11	103	0.6	5830	
	15750E	7	70	1.8	1690			17250E	14	85	0.3	3620	
	15800E	7	64	1.2	1970			17300E	10	93	0.4	2900	
	15850E	10	75	0.7	2010			17350E	85	1100	2.0	2420	CS-2
	15900E	11	46	0.5	1280		12600N-	13700E	21	74	0.4	1700	
	15950E	15	63	0.3	1500			13750E	14	69	0.2	1470	
	16000E	18	93	0.3	1360			13800E	15	80	0.2	1550	
	16050E	11	128	0.6	2200			13850E	17	65	0.2	1500	





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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
126 N	13900E	19	88	0.4	1540		126 N	15450E	7	68	0.3	1840	
	13950E	19	87	0.3	1670			15550E	8	45	0.2	1530	
	14000E	20	101	0.6	2310			15600E	10	57	0.2	1930	
	14050E	15	59	0.2	1680			15650E	9	59	0.2	1470	
	14100E	17	107	0.4	1770			15700E	8	55	0.2	1490	
	14150E	19	149	0.6	1670			15750E	10	73	0.2	2130	
	14200E	24	119	0.3	2530			15800E	9	71	0.4	1650	
	14250E	12	64	0.2	2060			15850E	11	62	0.5	1800	
	14300E	7	67	0.2	1970			15900E	9	59	0.3	1660	
	14350E	6	66	0.2	1950			15950E	12	69	0.5	1460	
	14400E	7	75	0.7	2040			16000E	16	77	0.6	1620	
	14450E	8	101	0.4	2390			16050E	15	84	0.6	2010	
	14500E	13	110	0.2	2220			16100E	11	77	0.8	2020	
	14550E	8	65	0.2	2380			16150E	10	87	0.5	1470	
	14600E	9	73	0.2	2360			16200E	11	86	0.3	2290	
	14650E	10	83	0.2	2600			16250E	15	148	0.7	1580	
	14700E	9	88	0.5	2480			16300E	13	124	0.6	1510	
	14750E	6	80	0.4	2290			16350E	23	102	0.3	1760	
	14800E	11	84	0.2	2230			16400E	8	59	0.5	2410	
	14850E	8	87	0.5	2460			16450E	10	59	0.3	1790	
	14950E	7	84	0.3	2780			16500E	7	69	0.4	2400	
	15000E	13	68	0.2	1840			16550E	12	71	0.3	1800	
	15050E	12	76	0.3	1480			16600E	15	87	1.4	4580	
	15100E	12	91	0.4	1680			16650E	9	53	0.5	2100	
	15150E	10	83	0.4	1910			16700E	16	91	2.1	2630	
	15200E	7	73	0.2	2000			16750E	8	67	0.3	1910	
	15250E	9	85	0.2	2480			16800E	8	53	0.5	2170	
	15300E	9	64	0.4	1580			16850E	5	56	0.2	2230	
	15350E	9	60	0.2	1480			16900E	7	81	0.6	2630	
	15400E	11	62	0.2	1880			16950E	5	70	0.2	2290	



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### Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
126N	17000E	9	63	0.9	1990		130N	14730E	8	63	0.4	1580	
	17050E	9	70	0.5	1950			14800E	8	82	0.5	1720	
	17100E	13	77	1.0	1660			14830E	12	141	0.4	1930	
	17150E	7	51	0.4	2440			14900E	10	84	0.2	2080	
	17200E	11	91	1.0	1670			14930E	7	75	0.2	1970	
	17250E	12	68	1.5	3060			15000E	9	81	0.2	2200	
	17300E	13	143	0.4	1950			15030E	5	59	0.2	2250	
	17350E	85	1100	1.6	2410	CS-2		15100E	17	106	0.2	1670	
13000N-13650E	13650E	82	1100	2.0	2410	CS-2		15150E	8	66	0.2	1610	
	13700E	21	195	1.6	1320			15200E	9	125	0.5	1660	
	13750E	15	97	0.4	1320			15250E	17	142	1.5	2170	
	13800E	14	118	0.6	1200			15300E	23	97	1.3	2460	
	13850E	16	121	0.3	1300			15350E	22	97	0.3	1790	
	13900E	31	236	0.2	1630			15400E	16	86	0.2	1250	
	13950E	12	134	0.3	1330			15450E	13	128	0.2	1440	
	14000E	17	109	0.2	1530			15550E	21	142	0.3	1500	
	14050E	13	85	0.2	1380			15600E	16	111	0.5	1300	
	14100E	18	239	0.2	1180			15650E	16	128	1.0	1460	
	14150E	16	223	1.0	1410			15700E	20	158	0.2	1700	
	14200E	13	156	0.2	1100			15750E	20	148	0.2	1640	
	14250E	15	110	0.2	1580			15800E	17	86	0.2	1490	
	14300E	13	124	0.5	1160			15850E	14	94	0.6	1340	
	14350E	19	102	0.7	1390			15900E	11	82	0.4	1300	
	14400E	13	123	0.6	1280			15950E	9	61	0.2	1590	
	14450E	16	89	0.4	1710			16000E	21	126	0.2	1750	
	14500E	11	61	0.2	1780			16050E	6	83	0.2	1960	
	14550E	10	71	0.2	2070			16100E	3	69	0.2	1480	
	14600E	9	84	0.2	2430			16150E	33	161	0.2	2880	
	14650E	15	146	0.3	5030			16200E	5	69	0.2	2040	
	14700E	12	85	0.2	1670			16250E	5	79	0.2	1970	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
130N	16300E	4	82	0.2	2010		135N	15650E	15	105	0.2	2610	
	16350E	21	75	0.2	1730			15700E	15	180	0.6	3970	
	16400E	15	135	0.4	1560			15750E	10	130	0.2	2460	
	16450E	14	177	0.2	1590			15800E	14	223	0.2	1980	
	16500E	6	54	0.5	2270			15850E	17	97	0.2	1700	
	16550E	15	94	0.2	1900			15900E	15	125	0.2	2370	
	16600E	11	48	0.5	2810			15950E	14	123	0.2	2450	
	16650E	15	100	0.4	1710			16000E	18	169	0.2	6770	
	16700E	16	77	0.4	1620			16050E	13	80	0.2	1480	
	16750E	14	104	0.2	1480			16100E	12	122	0.2	1440	
	16800E	13	116	1.0	1930			16150E	15	92	0.2	1700	
	16850E	16	113	0.2	1550			16200E	18	92	0.2	2290	
	16900E	15	109	0.2	3810			16250E	44	77	0.2	1100	
	16950E	15	85	0.3	2440			16300E	49	170	0.4	2190	
	17000E	18	162	0.2	1500			16350E	21	90	0.4	1460	
	17050E	23	172	0.4	1570			16400E	35	105	0.2	1770	
	17100E	16	85	0.2	1590			16450E	28	35	0.2	1740	
	17150E	14	193	0.6	1370			16500E	19	171	0.2	1740	
	17200E	17	179	0.5	1370			16550E	47	148	0.2	740	
	17250E	12	157	0.4	1940			16600E	10	130	0.5	1890	
	17300E	15	148	0.6	1390			16650E	11	75	0.2	1780	
	17350E	86	1100	1.8	2410	CS-2		16700E	15	66	0.2	1170	
13500N-14200E	14200E	9	96	0.8	1170			16750E	32	156	0.3	1370	
	14250E	24	127	0.2	1540			16800E	44	73	0.3	930	
	14300E	15	86	0.2	1440			16850E	17	140	0.2	1240	
	14350E	18	77	0.2	1520			16900E	15	91	0.3	1400	
	14400E	16	91	0.2	1440			16950E	16	162	0.2	1710	
	14450E	17	244	0.4	2660			17000E	13	91	0.2	1550	
	15550E	14	321	0.4	2870			17050E	12	74	0.2	1430	
	15600E	14	146	0.3	3720			17100E	16	81	0.2	1600	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
135N	17150E	23	164	0.2	1710		136N	15000E	11	69	0.3	2230	
	17200E	14	197	0.2	1560			15050E	11	84	0.2	2070	
	17250E	17	128	0.2	1420			15100E	8	73	0.2	1640	
	17300E	14	212	0.2	1420			15150E	11	53	0.2	2680	
	17350E	81	1200	1.5	2400	CS-2		15200E	15	85	0.2	2400	
13800N-13700E		16	68	0.6	1140			15250E	13	82	0.4	2800	
	13750E	18	97	0.2	1250			15300E	11	54	0.2	2100	
	13800E	22	166	2.5	18			15350E	19	90	0.2	2120	
	13850E	25	119	1.6	1760			15400E	12	76	0.2	2890	
	13950E	18	174	1.5	1870			15450E	14	79	0.8	3670	
	14000E	23	140	2.4	1860			15600E	19	169	0.4	3560	
	14050E	19	136	2.0	1780			15650E	16	89	0.2	2700	
	14100E	16	89	0.2	1610			15700E	10	69	0.2	1900	
	14150E	14	64	0.2	1480			15750E	11	99	0.2	2350	
	14200E	17	97	0.2	2360			15800E	18	130	1.0	3030	
	14250E	16	96	0.2	2050			15850E	15	115	0.4	3040	
	14300E	20	87	0.2	1640			15900E	11	54	0.2	11960	
	14350E	13	83	0.2	1960			15950E	14	71	0.2	2900	
	14400E	16	78	0.2	1750			16000E	16	75	0.2	2110	
	14450E	13	86	0.2	1890			16050E	17	91	0.2	2740	
	14500E	14	135	0.2	2330			16100E	18	174	0.6	7090	
	14550E	8	55	0.2	2060			16150E	19	158	1.0	7500	
	14600E	20	68	0.2	1760			16200E	10	77	0.4	6980	
	14650E	13	84	0.2	1570			16250E	134	138	0.2	2330	
	14700E	14	87	0.2	1950			16300E	23	57	0.4	5890	
	14750E	13	105	0.4	4060			16350E	17	62	0.2	2060	
	14800E	14	100	0.2	2640			16400E	30	208	0.2	2310	
	14850E	13	96	0.2	2450			16450E	12	119	0.2	1570	
	14900E	12	66	0.2	2430			16500E	43	124	0.2	2670	
	14950E	13	103	0.4	2220			16550E	23	87	0.2	2130	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sa PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sa PPM	NOTES
18600N-9300E		11	72	0.2	2220		186 N	10850E	22	140	0.2	1140	
9350E		9	69	0.2	1370		10900E	17	125	0.2	1090		
9400E		10	85	0.2	1370		10950E	14	89	0.2	930		
9450E		21	149	1.0	1650		11000E	16	101	0.2	1350		
9500E		16	77	0.4	1400		11050E	16	81	0.4	1000		
9550E		9	72	0.2	1320		11100E	17	110	0.2	1000		
9600E		10	109	0.2	1110		11150E	31	125	1.8	1930		
9650E		9	63	0.2	1350		11200E	157	206	4.0	4310		
9700E		825	120	0.2	1480		11250E	32	135	1.5	3240		
9750E		11	79	0.6	1240		11300E	16	277	1.0	3710		
9800E		8	63	0.4	1330		11350E	54	321	2.4	1830		
9850E		10	54	0.2	1320		11400E	39	274	2.2	1610		
9900E		13	69	0.2	1250		11450E	73	246	1.0	1600		
10000E		15	83	0.4	2230		11500E	134	312	5.8	2400		
10050E		9	50	0.2	1610		11550E	74	296	0.2	1830		
10100E		15	118	0.2	1290		11600E	34	111	0.6	1420		
10150E		11	61	0.4	2100		11650E	60	197	1.2	1210		
10200E		9	57	0.2	1200		11700E	58	145	0.4	1080		
10250E		12	58	0.2	1610		11750E	64	147	0.4	950		
10300E		11	57	0.2	1320		11800E	89	206	1.0	1170		
10350E		14	96	1.0	1010		11850E	43	67	0.3	2570		
10400E		11	73	0.2	980		11900E	25	173	0.2	5420		
10450E		15	101	0.6	1020		11950E	23	167	0.2	2860		
10500E		21	171	0.2	1100		12000E	21	121	0.2	4620		
10550E		13	100	0.4	960		12050E	29	355	0.4	9850		
10600E		14	84	0.2	940		12100E	18	145	1.5	2730		
10650E		17	122	0.2	1020		12150E	17	100	0.4	2520		
10700E		17	86	0.2	950		12200E	36	161	0.2	4080		
10750E		15	110	0.2	1060		12250E	45	154	0.4	3670		
10800E		16	108	0.2	960		12300E	27	313	0.8	5400		



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sr PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Sr PPM	NOTES
186N	12350E	25	173	0.8	3960		190N	10750E	25	67	0.5	1390	
	12400E	18	143	0.4	2410			10800E	15	54	0.3	1130	
	12450E	14	111	0.8	4190			10850E	10	75	0.4	1120	
19000N-9300E		13	58	0.4	1490			10900E	11	71	0.4	1160	
	9350E	17	150	1.6	2630			10950E	12	87	0.4	1230	
	9400E	8	87	0.6	1120			11000E	9	30	0.2	1160	
	9450E	11	53	0.2	1480			11050E	10	70	0.2	1270	
	9500E	7	46	0.3	1190			11100E	18	90	0.4	1210	
	9550E	10	123	0.4	1430			11150E	14	89	0.4	1060	
	9600E	12	76	0.2	1420			11200E	23	144	0.2	1130	
	9650E	8	67	0.2	1520			11250E	34	205	1.4	1480	
	9700E	24	187	1.5	3500			11300E	35	213	1.0	1490	
	9750E	11	104	0.8	2710			11350E	27	213	0.8	1710	
	9850E	10	23	0.4	1390			11400E	17	89	0.2	1030	
	9900E	20	82	0.3	1710			11450E	52	248	1.3	1730	
	9950E	12	38	0.2	1400			11500E	25	182	0.4	1150	
	10000E	11	60	0.2	1830			11550E	22	162	0.4	1040	
	10050E	16	131	2.0	2680			11600E	20	178	0.3	900	
	10100E	17	94	0.5	1960			11650E	61	256	0.6	1170	
	10150E	10	60	0.2	1380			11700E	27	106	0.2	790	
	10200E	12	56	0.2	1300			11750E	18	41	0.5	820	
	10250E	12	77	0.2	1740			11800E	31	109	0.4	810	
	10300E	9	31	0.2	1140			11850E	26	46	0.4	920	
	10350E	23	130	0.2	1490			11900E	22	55	0.4	1160	
	10400E	27	109	1.4	1990			11950E	22	107	0.3	650	
	10450E	11	57	0.2	1240			12000E	41	84	0.2	1230	
	10500E	9	51	0.2	1280			12050E	50	144	0.2	1070	
	10600E	8	51	0.2	1090			12100E	35	86	0.2	1290	
	10650E	15	57	0.2	1160			12150E	60	141	0.6	5370	
	10700E	16	40	0.2	1220			12200E	64	181	0.8	2640	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
190 N	12250E	69	102	0.6	8280		155 E	12550N	7	58	0.2	1340	
	12300E	91	172	0.6	7650			12600N	9	58	0.2	1380	
	12350E	71	95	0.7	5240			12650N	7	64	0.2	1570	
	12400E	32	102	1.0	7020			12700N	10	82	0.5	2290	
	12450E	20	65	0.6	4780			12750N	10	79	0.8	2530	
20200N-11950E		38	44	0.3	14130			12800N	7	72	0.3	2150	
15500E-11350N		73	1150	1.5	2360	CS-2		12850N	13	93	0.3	1510	
	11400N	5	82	0.3	2390			12900N	15	99	0.3	1670	
	11450N	4	69	0.2	2740			12950N	10	125	0.2	1480	
	11500N	ND	16	0.2	2630			13000N	11	92	0.2	1180	
	11550N	8	57	0.2	1900			13050N	10	156	0.2	1230	
	11600N	ND	18	0.2	3860			13100N	29	101	2.4	1230	
	11650N	2	14	0.3	2320			13150N	16	135	0.2	1340	
	11700N	13	96	0.2	1630			13200N	13	120	0.2	1650	
	11750N	6	38	0.2	1260			13250N	18	136	0.2	2300	
	11800N	13	60	0.2	1850			13350N	12	79	0.2	1660	
	11850N	12	43	0.2	1760			13400N	13	115	0.2	2000	
	11900N	11	53	0.4	2650			13450N	16	296	0.2	2820	
	11950N	2	6	0.2	920			13500N	15	255	0.2	2540	
	12000N	12	114	0.2	1140			13550N	10	92	0.2	3780	
	12050N	12	76	0.2	1380			13600N	14	137	0.4	3480	
	12100N	9	65	0.2	1210			13650N	16	62	0.5	4140	
	12150N	6	54	0.2	1130			13700N	13	52	0.2	3520	
	12200N	4	49	0.2	1200			13750N	7	37	0.3	3000	
	12250N	8	78	0.5	1730			13800N	15	84	0.2	2060	
	12300N	11	67	0.4	1650			13900N	5	60	1.5	5660	
	12350N	8	74	0.4	1530			13950N	7	49	2.0	5030	
	12400N	6	78	0.6	2450			14000N	19	123	1.0	19440	
	12450N	5	49	0.2	1840			14050N	10	74	0.4	8810	
	12500N	6	60	0.2	1870			14100N	11	56	0.4	2650	







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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Se PPM	NOTES
13500N-14500E		17	275	0.8	6860	
	14550E	11	160	1.8	2010	
	14600E	17	95	0.2	1410	
	14650E	16	128	0.2	1640	
	14700E	12	110	0.6	1100	
	14750E	10	75	0.4	940	
	14800E	12	85	0.4	2050	
	14850E	7	63	0.2	790	
	14900E	10	95	0.5	2370	
	14950E	13	86	0.4	2470	
	15000E	11	105	0.8	2790	
	15050E	28	165	1.7	9660	
	15100E	20	256	1.2	5790	
	15150E	17	124	0.2	4350	
	15200E	20	147	0.6	4780	
	15250E	34	270	1.0	8460	
	15300E	23	370	0.7	5630	
	15350E	16	152	0.5	2940	
	15400E	17	213	0.5	3740	
13500N-15450		18	180	0.5	2040	



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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
3600E-	4700N	21	69	0.4	1060		4950N	22	92	0.2	1400		
	4750N	46	143	0.2	1090		5000N	24	156	0.2	1410		
	4800N	44	210	0.2	1420		5050N	23	120	0.3	1960		
	4850N	39	97	0.4	2010		5150N	31	63	0.3	1320		
	4900N	50	103	1.2	1540		5200N	24	66	1.1	1200		
	4950N	61	148	0.6	1810		5250N	27	71	0.7	1420		
	5000N	16	111	1.3	1630		5300N	12	104	0.4	980		
	5050N	29	94	0.2	1490		5350N	16	44	3.1	1100		
	5100N	27	105	0.8	1480		5400N	25	124	0.7	1340		
	5150N	43	272	0.4	2040		5450N	20	134	0.5	1460		
	5200N	41	125	0.4	1830		5500N	24	192	1.4	1620		
	5250N	56	315	1.4	2110		5550N	46	122	2.4	1230		
	5300N	35	109	0.5	2330		5600N	24	275	1.1	1340		
	5350N	34	152	1.8	3270		5650N	24	174	0.7	1460		
	5400N	23	359	1.1	1900		5700N	28	245	1.6	2090		
	5450N	42	192	1.0	2370		5750N	26	236	1.4	2100		
	5500N	89	420	0.8	4250		5800N	32	280	1.2	1760		
	5550N	31	118	1.6	2020		5850N	91	900	2.0	2480	CS-3	
	5600N	44	115	1.4	2090		6150N	37	94	0.8	1280		
	5650N	46	136	1.0	2190		4600E-	4200N	35	117	0.2	1560	
5700N	22	165	1.2	2200		4250N	23	226	0.2	2290			
5750N	22	272	1.0	1650		4300N	26	480	0.8	2240			
5900N	97	930	2.0	2400	CS-3	4350N	29	460	0.6	1720			
4200E-	4600N	25	53	0.6	1710		4400N	51	780	0.6	1920		
	4650N	33	234	1.0	2110		4450N	47	640	1.4	1950		
	4700N	31	185	0.4	2360		4500N	25	269	5.2	1400		
	4750N	25	123	0.6	1250		4550N	60	194	3.8	1990		
	4800N	37	165	0.2	1530		4600N	21	800	6.0	8580		
	4850N	32	115	0.2	1790		4650N	16	460	3.0	3140		
	4900N	147	173	1.6	1760		4750N	29	620	5.0	2570		



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130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: (604) 985-0681 TELEX: 04-352667

## Geochemical Lab Report

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
46E	4800N	18	1240	3.8	13050		3750N	29	173	0.6	2010		
	4850N	14	102	1.9	6540		3800N	19	330	0.2	1500		
	4900N	29	142	0.9	2510		3850N	23	393	0.2	1490		
	4950N	50	230	1.2	1650		3900N	21	275	0.4	1640		
	5000N	38	262	1.2	1620		3950N	19	2700	1.0	1770		
	5050N	21	104	1.0	1720								
5000E-	5100N	25	152	0.7	1500		5400E-	3600N	47	470	0.5	1620	
	3900N	34	279	0.2	1680		3650N	17	51	0.2	1140		
	3950N	32	127	0.4	2260		3750N	21	124	0.8	1590		
	4000N	20	3600	1.0	1660		3800N	36	139	0.2	1700		
	4050N	20	7300	0.6	2230		3850N	18	123	0.2	1330		
	4100N	24	2400	1.0	2400		3900N	19	125	0.2	1430		
	4150N	31	3200	1.0	2460		3950N	18	250	0.9	1630		
	4200N	30	440	0.5	2000		4000N	24	231	1.0	1850		
	4250N	49	364	0.9	1620		4050N	30	213	3.6	2540		
	4300N	24	440	2.4	1580		4100N	20	111	0.6	1800		
4350N	28	368	1.2	1730		4150N	24	790	0.9	15500			
4400N	13	164	7.4	1550		4250N	31	294	0.5	3410			
4450N	64	235	3.1	4320		4300N	29	160	1.0	5400			
4500N	28	136	2.8	2120		4350N	23	156	1.2	2570			
4550N	16	109	2.2	2250		4400N	25	172	1.0	1670			
4600N	27	144	0.4	1710		4450N	19	120	0.5	1720			
4650N	15	167	0.6	1790		4500N	25	162	3.3	1710			
4700N	33	238	0.7	1570		4550N	30	194	1.0	1930			
4750N	24	184	0.4	1530		4600N	24	133	1.2	2150			
4800N	36	263	1.1	1720		4650N	26	180	1.6	1190			
5200E-	3550N	18	74	0.2	1010		5600E-	3450N	89	960	4.6	2450	CS-3
	3600N	34	297	0.2	1950		3500N	12	58	0.3	1210		
	3650N	15	197	0.2	1090		3550N	15	80	0.3	1220		
	3700N	26	1990	0.2	1760		3600N	11	64	3.6	1290		
							3650N	14	37	1.8	1130		



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### Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
56 E	3700N	9	2800	0.3	1710			3800N	31	510	1.7	4690	
	3750N	27	114	0.2	1260			3850N	11	540	1.2	4070	
	3800N	14	43	0.2	1170			3900N	9	170	0.2	1560	
	3850N	9	71	0.2	1240			3950N	18	345	0.8	2540	
	3900N	17	353	1.0	1600			4000N	18	204	1.3	1700	
5800E-	3950N	10	183	0.4	1420			4050N	10	137	0.6	2150	
	4000N	26	358	2.8	2630		6400E-	3300N	21	99	0.2	1260	
	3500N	15	100	0.2	1010			3350N	13	76	0.3	1090	
	3550N	19	100	0.2	1110			3400N	12	50	0.2	1300	
	3600N	14	104	2.5	970			3450N	23	53	0.2	1530	
	3650N	22	177	2.4	1240			3500N	66	153	0.3	1470	
	3700N	16	273	1.0	1110			3550N	12	80	0.3	1270	
	3750N	45	400	0.3	1660			3600N	12	95	0.2	1160	
	3800N	37	830	1.4	1980			3650N	23	187	0.3	1360	
	3850N	25	169	0.2	1580			3700N	19	100	0.2	1140	
	3900N	25	247	0.3	1480			3750N	14	96	0.2	1090	
	3950N	12	760	1.5	2090			3800N	9	270	0.2	1360	
	4000N	15	470	3.0	2110			3850N	19	220	0.4	1890	
	4050N	15	180	0.2	1520			3900N	24	170	0.8	2290	
	4100N	24	129	0.5	2060			3950N	17	166	0.2	1850	
4150N	13	52	0.3	1140			4000N	14	165	0.2	1680		
4200N	31	328	9.6	3410			4050N	20	318	0.4	1970		
4250N	30	324	1.1	4520			4100N	12	280	0.2	1650		
4300N	20	113	1.1	2200			4150N	15	257	0.8	1620		
4350N	87	890	1.6	2380	CS-3		4200N-	4650E	17	108	0.4	1820	
6000E-	3400N	13	58	0.2	1180			4700E	15	181	0.3	1570	
	3450N	17	113	0.2	1100			4750E	28	303	0.6	2050	
	3500N	12	125	0.7	1550			4850E	21	205	1.2	2500	
	3550N	6	164	0.4	1230			4900E	25	1350	0.6	2430	
	3600N	19	500	0.2	1270			4950E	33	840	1.2	2810	





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### Geochemical Lab Report

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PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
							4200		24	160	1.2	1620	
							4250		31	174	0.9	1760	
							4300		36	174	1.7	1720	
							4350		29	193	1.3	1760	
							4400		21	124	0.3	1480	
							4450		86	945	2.1	2490	CS-3
							9300N-3650	E	29	375	0.3	1350	
							3700		21	159	0.6	1400	
							3750		18	135	0.6	1310	
							3800		17	105	0.8	1630	
							3850		34	278	1.4	6190	
							3900		63	190	2.0	1800	
							3950		53	132	1.6	1590	
							4000		74	175	1.8	1890	
							4050		51	128	1.2	2070	
							4100		45	195	1.3	2360	
							4150		45	210	1.5	2100	
							4200		15	54	0.5	2810	
							4250		24	171	1.1	3170	
9100N-3650	E	21	400	0.8	1310		4300		27	161	1.3	3160	
3700		15	122	0.8	1430		4350		22	142	0.8	2310	
3750		85	123	1.4	2620		4400		31	150	0.9	3030	
3800		29	86	0.9	2230		9500N-3650	E	18	161	0.9	1630	
3850		18	60	1.3	1530		3700		26	151	1.8	1800	
3900		14	58	1.8	2420		3750		18	98	0.8	1790	
3950		72	361	3.1	1650		3800		33	280	2.1	2140	
4000		40	730	2.6	1700		3850		19	130	0.2	2430	
4050		48	329	1.3	2200		3900		8	42	0.2	1590	
4100		51	260	1.3	2000		3950		8	68	0.2	1160	
4150		28	130	0.8	2620		4000		24	220	0.6	1280	

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## Geochemical Lab Report

REPORT: 121-2970

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	Ba PPM	NOTES
95N 4050		32	170	1.3	2990		4250		34	250	1.0	2060	
4100		134	272	3.1	2170		4300		165	1150	2.8	3840	
4150		52	181	3.1	1750		4350		43	400	2.3	3960	
4200		103	220	12.0	2990		4400		32	219	0.3	5060	
4250		378	400	5.3	1510		4450		23	143	1.3	2390	
4300		396	740	4.2	1650		4500		57	195	0.2	1970	
4350		126	445	1.3	2380		4550		87	420	0.7	2120	
4400		30	260	0.5	2260		4600		109	354	1.5	2440	
9700N-3650	E	34	338	1.3	5670		4650		197	335	2.0	2670	
3700		23	180	1.5	2250		10000N-3950	E	78	930	1.8	2420	CS-3
3750		70	275	1.3	1970		4000		61	265	0.8	1360	
3800		92	330	1.3	1770		4050		57	370	1.2	1560	
3850		73	161	1.0	1340		4100		70	331	1.3	1400	
3900		21	140	0.6	1350		4150		36	260	0.9	1000	
3950		34	275	1.5	2410		4200		30	246	1.1	2310	
4000		146	1230	2.1	3060		4250		36	295	1.7	2120	
4050		35	445	0.9	1260		4300		43	530	1.4	2600	
4100		29	281	0.6	2980		4350		39	520	1.9	6640	
4150		26	235	0.5	2440		19600N-9500	E	24	113	0.5	1680	
4200		56	365	0.7	2240		9550		16	94	0.4	1620	
4250		68	465	2.7	2350		9600		12	120	0.3	2100	
4300		41	420	1.5	2590		9650		19	111	0.3	1730	
4350		70	360	2.0	2060		9700		13	184	0.3	1820	
4400		74	331	1.5	2050		9750		13	153	0.2	1700	
4450		82	940	1.9	2460	CS-3	9800		22	112	1.5	1780	
9900N-4000	E	54	161	1.3	790		9850		17	141	0.2	1370	
4050		20	160	0.3	1130		9900		20	130	0.3	1900	
4100		18	110	0.7	1610		9950		32	140	0.3	1450	
4150		32	167	1.0	1380		10000		28	95	0.5	1380	
4200		48	440	0.7	1940		10050		21	63	0.4	1310	







## APPENDIX "C"

### DIAMOND DRILL HOLE LOGS

- DDH MW81-1
- DDH MW81-2
- DDH MW81-3
- DDH MW81-4
- DDH MW81-5
- DDH MW81-6

## ABBREVIATIONS

Arg	Argillite
SS	Sandstone (a prefix denoting grain size may be added, such as f.ss.)
Cong	Conglomerate
Brec (or bx)	Breccia
Cht	Chert
Ba (or Bar)	Barite
Sp	Sphalerite
Gl	Galena
Py	Pyrite
Marc	Marcasite
Sid	Siderite
Ser	Sericite
Qz	Quartz
Calc (or Cal)	Calcite or calcareous
Graph (or gr)	Graphite or graphitic
Hem	Hematite
Lim	Limonite
Chl	Chlorite
Sil	Silica or siliceous
Carb	Carbonaceous
Vn (or Vlt,vning,vned)	Vein (veinlet)(Veining, veined)
Lam	Laminated (or lamination)
Diss (or Dissem)	Disseminated (or dissemination)
Mass	Massive
Altn (or Alt)	Alteration
Mtx	Matrix
Fgt (or Frag)	Fragment
Xal (or xtl,xtline)	Crystal, crystalline
Nod	Nodule (or nodular)
Frac	Fracture
X-lam	Cross-lamination
f.g., m.g., c.g.	Fine, medium, coarse grained
CAB4	Core axis to bedding angle
CA	Core axis
v	Very
lst	Limestone
wk,wkly	Weak,weakly
hly	Highly
mod	Moderate,moderately
dev	Developed
stgly	Strongly
w/	With
exh	Exhalite
gns	Grains
poss	Possible
conc	Concentrated
lith	Lithology
occ	Occasional
ass	Associated



## DIAMOND DRILL CORE LEGEND

### ARGILLITES

- A-1 : massive, generally carbonaceous
- A-1-a : massive, with occasional laminations of sandstone and/or siltstone (<5 vol.%)
- A-1-b : massive, with local bands of ripple cross-laminated sandstone, (<5 vol.%)
- A-2 : finely-laminated, with thin, faint, parallel laminations of siltstone and/or fine sandstone.
- A-2-a : same as A-2, plus <5 vol.% of parallel laminated sandstone interbeds
- A-2-b : same as A-2, plus >5 vol.% of parallel laminated sandstone interbeds.
- A-2-c : same as A-2, plus <5 vol.% of ripple cross-laminated sandstone bands
- A-3 : same as any of the above rock types, plus >5 vol.% of ripple cross-laminated sandstone bands.
- A-2-d : interbedded light grey to green phyllite and grey, green, or black chert

### SILTSTONE

- Silt : grain-size ranging from 0.01 to 0.1 millimetres, mainly massive, moderately to poorly sorted, locally carbonaceous.

### SANDSTONES

- SS-1 : massive, uniform texture
- SS-2 : parallel laminated, well sorted
- SS-3 : ripple cross-laminated, fine to medium grained, well sorted
- SS-4 : graded, massive or parallel laminated sandstone.
- CSS-1 to CSS-4 : weakly to strongly calcareous equivalents of sandstone lithologies.

#### THE GRAIN SIZE RANGE FOR SANDSTONES:

- f :  $\frac{1}{32}$  to  $\frac{1}{8}$  millimetre in diameter
- m :  $\frac{1}{8}$  to  $\frac{1}{2}$  millimetre in diameter
- c :  $\frac{1}{2}$  to 2 millimetres in diameter

### CONGLOMERATES

- C-1 : massive, containing <3 vol.% of argillite clasts
- C-2 : massive, containing, 3-10% vol.% of argillite clasts
- C-3 : massive, containing >10 vol.% of argillite clasts

## DRILL CORE LEGEND (cont'd)

### BRECCIAS

- B-1 : argillitic matrix with fragments of argillites  
B-2 : argillitic matrix with a variety of fragment types  
B-3 : sand to pebble size matrix containing larger fragments of argillites  
B-4 : sand to pebble size matrix containing larger fragments of assorted rock types  
B-5 : matrix of B-1, B-2, B-3, or B-4 containing conspicuously larger fragments of argillites  
B-6 : matrix of B-1, B-2, B-3, or B-4 containing conspicuously larger fragments of assorted rock types

### THE FRAGMENT SIZE RANGE FOR CONGLOMERATES AND BRECCIAS

- S : 2 to 8 millimetres in diameter  
M : 8 to 16 millimetres in diameter  
L : 16 to 64 millimetres in diameter  
E : >64 millimetres in diameter  
(Ec : 64 to 240 millimetres)  
(Eb : >240 millimetres)

CARBONATE: Light to medium grey fetid limestone, dolomitic limestone, and dolomite. Locally stylolitic and brecciated

QUARTZITE: white, coarse grained, well sorted quartzite  
Polygonal grain boundaries

### Pb-Zn-Si-Ba EXHALITES

- SULFIDE EXHALITE: pyrite, sphalerite + or - galena ( $\geq 50$  wt%), with abundant silica (up to 50 wt %) and possible barite (<20 wt %)
- BARITIC EXHALITE: barite 20-100 wt %, with abundant silica (up to 80 wt %), and may contain pyrite, sphalerite, and galena
- SILICEOUS EXHALITE: silica 30-100 wt %, with possible pyrite, sphalerite, and galena (up to 50 wt %), and/or barite (up to 20 wt %). Frequently sericitic
- CALCAREOUS EXHALITE: calcite 30-100 wt %, with possible pyrite, sphalerite, and galena (up to 50 wt %), and/or barite (up to 20 wt %), and/or silica (up to 30 wt %).









# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE NO. MW 81-1

CLAIM: BULL 3

PROPERTY: MIDWAY

PAGE No. 4 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL #	ASSAYS							
										DESCRIPTIVE GEOLOGY	Pb	Zn	Ba	oz/ton Ag	% Fe	PPM Cu	PPM Mn
45	G3	65	SP G1	X	Δ	42.2	50 cm. CSS-2(f) Strong pres. solh. A few Sp-Gl vlt.										
	G4		SP G1	X	Δ		SS-2(f) to silt with thin interbeds of A-2 + CSS-2 + CSS-1(f) beds 1-30 cm. Some with fine-med xals of Py 1-3%.										
	G3		SP G1	X	Δ												
	G5	60	SP G1	X	Δ	44.5	8cm of Massive lam + diss med. xalline Sp. cut by a coarse Gl-Sp Vein 1.5 cm thick.	96	44.0								
	G4		SP G1	X	Δ			67	44.5	18856	0.38	0.85	0.42	2.00	150	440	
	G7		SP G1	X	Δ	45.4		76	44.65	<del>18857</del>	<del>24.98</del>	<del>16.70</del>	<del>37.30</del>	<del>3.95</del>	<del>4170</del>	<del>630</del>	
	G3	57	SP G1	X	Δ		CSS-2(f) with interbeds of mod. sil, mod. carb. weakly calc. A-2. Abund. diss. Py + fine Qz-calc-Py vlt.	74	45.6	18858	0.03	0.40	0.15	1.30	73	1330	
	G7		SP G1	X	Δ	46.6		74	46.6	18859	0.08	0.37	0.18	0.85	68	1150	
	G5	48	SP G1	X	Δ	47.6	Interbedded SS-2(f), M.sil, M.carb A-2, + local CSS-2(f) up to 20 cm with 5-30% lam. + diss med-coarse xalline Py.	65	47.6	18860	0.14	0.45	0.11	9.84	51	210	
	50	G5		SP G1	X	Δ	48.2	25 cm of Massive lam. (strat?) + Vein Sp + Py	89	47.85	18861	0.36	17.50	1.73	10.75	1355	395
G2		74	SP G1	X	Δ	48.8	25 cm CSS-2(f) with lam. Py cubes (30%)	93	48.8	18862	0.33	1.40	0.34	9.20	103	205	
G2			SP G1	X	Δ	49.1	A-2 M.-H. sil, W-M carb Local CSS-2(f) beds Minor diss. Py	103		18863	0.26	3.00	1.22	22.65	213	130	
G9			SP G1	X	Δ	49.45	Sil. Ex with 40% coarse diss. + lam. Py. 2% fine, buff-or. Sp.	96	50.0	18864	0.29	6.00	1.63	25.90	435	175	
G9			SP G1	X	Δ		Sil. Ex with 3% med. diss + vn Py. Weak ser., minor Sp.	97	50.45	18865	0.56	4.15	2.40	19.76	230	125	
G9			SP G1	X	Δ		Sil. Ex with 10-70% coarse diss. + lam Py. Highly Pyr. sections contain up to 40% fine-med buff-or. Sp. as lams. + diss. grains.	98	51.1	18866	0.14	8.75	1.02	32.48	685	320	
G2		65	SP G1	X	Δ	51.2	Mass. lam. Sp. - 65%, purple-brown with 5% lam. silica + 30% intergrown masses of med-coarse Py.	98	51.6	18867	0.41	9.25	2.17	22.90	390	180	
G5		74	SP G1	X	Δ	51.6	Interlam. Silica + f.g. buff-or. Sp (30%) with overgrown masses + lams. of coarse Py cubes + Py veins (40%)	89	52.6	18868	0.18	3.94	0.80	2.70	138	135	
55		G5	71	SP G1	X	Δ	52.6	Sil. Ex. 3% diss + vein Py. Fine-med gr. Minor Sp.	100	52.95	18869	0.52	13.60	2.98	21.71	815	260
		G7	52	SP G1	X	Δ	53.7	Interlam. silica + f.g. buff-or. Sp (20%) with overgrown coarse Py (40%)	48	53.7	18870	0.17	2.70	0.52	11.70	220	125
	G5	70	SP G1	X	Δ	55.5	A-1 H. sil, H. carb. Strongly sheared - graphite abund. on shear surfaces. Abund. Qz-calc. vns - Some with Py + minor Sp. 20 cm SS-2(f) bed with diss. Py. Mass. Py + Choc. Br Sp. frags. in sheared sections - May be bedded min.	94	55.15	18871	0.25	0.88	0.35	3.60	83	480	
	G3		SP G1	X	Δ		SS-2(f-m) Thin partings + lams. of shale + local SS-1 beds. Classical Turbs. See description on next page. Strong fracturing + veining to 56.2 2-5% diss. fine Py		55.95								





















# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE No. MW-81-2

CLAIM :

PROPERTY : MIDWAY

PAGE No. 5 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS :	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS							
										% Pb	% Zn	% Ba	oz/ton Ag	% Fe	PPM Cu	PPM Mn	
57							<p>CSS-2 (cont'd) - entire section strongly calcareous, including arg. sections</p> <p>57.9</p> <p>CSS-2, &lt;10% A-2 present, minor dissem py, locally up to 2%</p> <p>59.0 Soft sediment deformation features, (eg gravity slides), common CSS-2 with 40% calc A-2, only weakly veined</p> <p>60.1 CSS-2 with 10-20% calc A-2. Trace dissem, py, minor bedding-parallel Qz-Sp vns</p> <p>61.45 CSS-2 with 40% A-2 interbeds to 10cm, weakly sil, carb, mod to stgly calcareous. Intensely quartz veined, appears shattered locally. Minor py lenses, nodules(?) and disseminations</p> <p>62.97 CSS-2 with &lt;10% A-2. Strongly calc., grades into weakly calc. A-1 at base and then non calc. A-1 (see below) Abundant QZ - calc vns, some mod. xalline with minor py</p>										
60							<p>64.1 A-1 with minor calc. A-2 interbeds highly sil, carb, up to 1% finely xalline py. Minor 2mm Sp-py vns. Parallel bedding</p> <p>64.62 <b>DISCOVERY ZONE</b> - 60% med xalline py w sil, clearly interbeds 2-3% buff-or</p> <p>64.95 - lam Sp</p> <p>65.38 SIL EXHALITE - 25% py lams to 10cm, med xalline, locally up to 65% py. 2% fine xalline buff-or</p> <p>Pyritic EXHALITE - 55-70% well lam med xalline py with sil. interbeds. Lams 1-2mm. Minor 0.5cm sil. exhalite beds with 2-5% buff-or. Sp and poss barite lenses</p> <p>Overall less than 1% Sp</p> <p>66.72 Interbedded SIL. EXHALITE and Sp-rich exhalite with locally up to 40% buff-or finely xalline Sp and up to 0.5% finely xalline Gt. Py beds fine to coarsely xalline, up to 10cm thick with 20-55% py, usually associated with irregular (remobilized?) Qz vns. Estimate for entire section 8-10% Sp, tr-0.25% Gt, 20% py. Local knots of purple-bn to resin coloured Sp</p> <p>68.22 SILICEOUS EXHALITE - 15-20% Py (med xalline) well laminated. 2-3% Sp, 0.5% Gt mainly in sharply discordant, parallel sided Qz vns, vltts</p> <p>68.4 Pyritic EXHALITE - 75-80% well lam med xalline py with sil. interbeds. 1% Sp, minor Gt mainly assoc with sil. interbeds</p> <p>69.05 SIL EXHALITE with 10-15% finely xalline buff-or Sp lams plus 1% coarsely xalline Sp knots in parallel sided Qz vns. 0.5% Gt, med xalline in vns and as discrete blebs in Sp, Py lams. 10% med-coarsely xalline py lams, lenses</p>	87	64.10-64.62 18879	0.02	0.42		0.06	1.95	47	255	
65							<p>69.95 A-1 Massive, highly carb., wk to mod sil, weakly calc. locally Upper 10 cm contains 35-40% med xalline bedded py. Abundant graphite on slip planes</p> <p>71.1 A-1 with minor silty, brecciated interbeds similar to above but more sil, fewer calc sections. Abundant Qz calc vns with minor Sp. Minor purple-bn finely xalline Sp lenses, 1-2% py dissem and on fracs</p>	103	64.62-65.38 18880	1.54	0.60		5.19	19.80	86	80	
								103	65.38-66.01 18881	0.14	0.18		0.49	32.40	30	155	
								98	66.01-66.72 18882	1.25	2.28		1.79	30.20	195	75	
								98	66.72-67.37 18883	3.10	13.00		3.15	12.20	585	270	
								102	67.37-68.22 18884	0.44	5.75		3.07	20.20	395	170	
								104	68.22-69.05 18885	0.66	0.58		4.51	22.70	210	55	
								86	69.05-69.95 18886	0.59	3.00		1.65	8.90	394	150	
70								95	69.95-70.95 18887	0.15	0.70		0.51	4.70	114	210	

















# CORDILLERAN ENGINEERING ————— DIAMOND DRILL RECORD

 HOLE No. MW81-3

 CLAIM: MACC

 PROPERTY: Midway

 PAGE No. 3 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS :	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS						
											% Pb	% Zn	% Ba	oz/ton Ag	% Fe	ppm Cu	ppm Mn
											27	G3		Qz, R, Sp, Py		Δ Δ	
	G5	80			Δ Δ		27.85 - approximate end of surface weathering on fractures										
	G3	82			Δ Δ		28.70 CSS-2-f, m w/minor interbedded A-2 - poorly developed stylolites occur - f. gr. diss. py = 1-30mm qz vns - 27.93-28.20 - qz, py, sp, gl vnlts (1-2% Zn)										
	G4	82			Δ Δ		SS-2-f (argillic) - poorly developed stylolites occur best developed at base - hairline to 4cm qz vns throughout - vns + fractures may be wkly goethitic - trace py occurs throughout as v. f. gr. disseminations + blebs in										
30					Δ Δ		4cm qz vn veins - minor shearing										
		76			Δ Δ		30.68 CSS-2-f, m (argillic) - poorly to moderately well developed stylolites occur										
		71			Δ Δ		31.38 - hairline gl, sp? vnlts throughout - hairline to 3mm										
		72			Δ Δ		32.00 - v. wkly calcareous interval w/15% sp bands										
		72			Δ Δ		32.30 +10% py bands mostly in vns from 32.00-32.15										
		72			Δ Δ		32.95 - 3cm sand bed w/20% c. banded sp +15% c. banded py										
	G3	77			Δ Δ		34.15 - 6cm sand bed w/5% c. sp. +20% c. py										
		74			Δ Δ		34.47 - 8cm interval w/8% c. sp, 1% c. gl +10% c. py										
35		80			Δ Δ		35.70 - 8cm interval w/15% c. sp, 15% c. py - 4cm qz vn w/c. sp, py										
		80			Δ Δ		35.93 - 13cm interval w/10% c. sp, 20% c. py		100%	35.93 36.06	18893	0.83	14.15	3.06	18.04	1120	450
		78			Δ Δ		36.90										
		79			Δ Δ		37.15 - 6cm v. calcareous calcarenite w/5mm c. sp bands at top and bottom										
		79			Δ Δ		SS-2-f, m (argillic, wkly calcareous) w/minor interbedded CSS-2-f, m										
		72			Δ Δ		38.00 - 10cm qz vn w/unknown green mineral - poorly developed stylolites occur throughout										
		72			Δ Δ		38.15 - 7cm v. calcareous calcarenite										
		80			Δ Δ		- SS is sporadically v. wkly calcareous - hairline to 10cm										
	G4	80			Δ Δ		qz vns throughout w/occasional v. minor calcite										
40		74			Δ Δ		39.55 - two 3mm sp vnlts - Sp + Gl occur in bands + vnlts Sp >> Gl										
		74			Δ Δ		- py occurs as v. f. gr. diss grains, blebs, bands, + laminations (~1% overall)										
		74			Δ Δ		40.56 - 3mm sp band										
		74			Δ Δ		40.80 - 6cm interval w/8% banded c. sp, 10% c. py, 1% c. gl										
		74			Δ Δ		41.00 - two 2mm sp vnlts parallel to bedding										
		74			Δ Δ		41.60 - 41.75 - v. calcareous calcarenite		100%	41.20	18894	0.02	0.81	0.06	3.20	41	1960



# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE No. MW81-3

CLAIM: MACC

PROPERTY: Midway

PAGE No. 5 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: Discovery Zone from 64.96 to 74.16 m - average CAB 4 of 82°	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS							
										% Pb	% Zn	% Ba	oz/ton Ag	% Fe	ppm Cu	ppm Mn	
57							DESCRIPTIVE GEOLOGY										
		77					CSS-2-f, m (cont.) - hairline to 2 cm cal w/minor qz vns throughout - py occurs as v.f. grains diss throughout & rarely in vnlts - v. minor shearing occurs - some soft fractured intervals										
60		80															
	G3	79	Sp, Gl				59.74 - <5 mm sp, gl, py vnlts + fracture coatings } 59.94 - 8 cm cal, sp un } 59.74-59.94 - non calcareous SS		60.87								
		81															
		80	Sp, Py				61.26-61.56 - non to v. wkly calcareous argillic SS - wkly sheared 61.87 - 15 cm interval of interbedded CSS-2 & py, sp-bearing sil exh (~8% sp overall)	89.6%	18907	0.09	0.32		0.17	1.78	42	1100	
		80	Sp, Py				62.35, 62.45, 62.55 - 3, 5, +3 cm intervals of banded silica, py + sp	88.0%	18908	0.07	0.72		0.18	4.18	52	1000	
	G4, G3	80	Sp, Py				62.96 Interbedded A-2 & Siliceous Sulfidic Exhalite - 55% poorly carb, wkly calcareous A-2 w/c. pyritic bands + lams - 45% sil (sometimes argillic) py, sp-bearing exhalites (3-15% sp, 25-80% py) - poorly developed stylolites occur - some v. friable intervals & minor shearing - py also occurs as f. to c.	65.6%	18909	0.24	2.85		0.75	9.80	249	385	
65		81	Sp, Py				64.96 diss grains & xtls in the arg 65.30 poorly lam. Sulfidic Exhalite - finely laminated silica w/minor sulfides (Discovery Zone) to massive sulfides w/~5% silica - highly variable composition & texture - ~30 py, ~1% gl, ~5% sp - f. to c. laminations, f. to c. bands & pegmatitic (granitic) textures	73.4%	18910	0.34	2.60		0.54	19.80	188	215	
	G3	75?	Sp, Py					77.6%	18911	0.37	1.24		1.33	9.10	38	385	
		85	Sp, Py				66.62 - poorly to well lam. pyritic sulfidic exh	87.9%	18912	0.72	7.80		3.76	29.22	1160	136	
	G2, G1	85	Sp, Py					100%	18913	0.34	0.74		0.49	31.16	43	34	
		84	Sp, Py				67.75 siliceous exh - sporadic wk clay mineral alteration occurs especially in the upper half of unit 68.03 massive pyritic sulfide - unfractured but friable over some intervals 68.44 - poorly to well lam. sil exh w/20% py, >3% sp, >1% gl - v. minor shearing 69.50 - sil exh w/abundant py, sp, gl - <2 mm sulfide veins 69.78 - poorly lam. massive sulfide - best grade 71.20 to 74.16 m	100%	18914	0.10	0.19		0.29	30.62	2	28	
		85	Sp, Py					100%	18915	0.34	1.00		0.29	3.59	39	45	
		85?	Sp, Py					100%	18916	0.55	0.54		0.70	38.47	111	22	
70		85	Sp, Py					100%	18917	3.45	7.00		2.90	18.00	510	107	
		80	Sp, Py					100%	18918	19.31	16.87		10.30	6.70	1820	460	
								100%	18919	0.88	0.70		1.67	31.75	310	34	
								100%	18920	1.77	3.65		3.24	18.90	585	90	
								100%	18921	0.14	0.36		0.29	38.47	78	15	
								100%	18922	1.82	6.80		3.07	26.54	795	145	







# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE No. *MW81-3*

CLAIM: *MACC*

PROPERTY: *Midway*

PAGE No. *8* of *9*

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: Unit 1a-1b contact at ~108.81 m McDame Limestone - Unit 1a contact at 115.15 m Lower Zone from 113.72 to 115.15 m - average CAB $\phi$ of 75°	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS							
										% Pb	% Zn	% Ba	oz/ton Ag	% Fe	ppm Cu	ppm Mn	
102	G4	74			$\Delta$		102.20 } A-2-b - xlam. may be present - non sil, mod carb 102.55										
		68?			$\Delta$		BOUMAS of B-4-S, M, SS-1-c, SS-2-f, m, + A-2-b (cont.) - occ. minor faults occur - shearing is well developed throughout w/minor clay mineral alteration - py throughout as diss f. to m. gns + xtls (3-8% overall) - towards base of unit rock does not seem calcareous at all but calcite-bearing fractures and qz vns continue										
105	G2	67		$\Delta$													
		58			$\Delta$												
		69			$\Delta$												
	G3				$\Delta$		107.15 } FAULT BRECCIA - well developed fault bx w/ autochthonous fgts Unit 1b derived fault breccia - 107.15-108.81 - bx is med lt grey similar to overlying unit - fgts are SS-2-m - gouge is wkly calcareous w/v. strong clay mineral alteration - ~2-3% f. gr py diss throughout - abundant hly carb & graphitic shear planes occur 108.81 } - 108.81-112.16 - bx is dark grey similar to Unit 1A elsewhere - fgts are mod to hly sil, hly carb A-1 - gouge is wkly increasing downwards to mod calcareous w/mod to strong clay mineral alteration - fgts carry cal. on fractures - ext. abundant graphitic slickensid shear planes - py occurs as v.f. gr. diss throughout + occ. bands & lams (3-5% overall) - qz-cal vns upto 2cm occur in some fgts	91.3%	18927	0.06	0.04	0.09	2.60	34	317		
110	G8		Sp, Py		$\Delta$		Unit 1a derived fault breccia	85.7%	18928	0.18	0.11	0.25	2.02	58	175		
					$\Delta$		112.16 } CAVERN - rods dropped w/ no core recovery fgt of massive sulfide w/v. graphitic shear surface - Was this fgt originally on upper side of cavern or juggled in core box?										
					$\Delta$		113.72 } LOWER SULFIDE BRECCIA - v.c. gr (5-10mm) py-sp-gl pegmatitic bx w/minor sil mtx - trace cal fgts (McDame Lst?) - unknown white sulfide 114.64-114.72 - poorly laminated py w/minor sp, silica (fgt?) - occurs near top 115.15 - massive sulfide / 1st fgt bx - 1st fgts to 7cm - ~50% sulfide fgts McDame Limestone - m. gr. crystalline lst w/ extremely well developed stylolites & v. abundant cal. vns - py vning and fracture coatings occur throughout (3-5%) - minor sp occurs to ~116.15 m - 1st is v. friable - 5cm section of lt yellow-	77.5%	18929	21.03	6.40	28.80	15.40	1860	150		
115	G3		Sp, Py		$\Delta$			82.9%	115.15/18930	5.90	8.10	8.17	14.30	1540	550		
					$\Delta$			77.9%	18931	1.50	2.07	2.05	5.49	480	725		
					$\Delta$			36.1%	18932	0.30	0.70	0.52	2.35	87	1050		









# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE No. MW 81-4

CLAIM:

PROPERTY: MIDWAY

PAGE No. 4 of 12

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS				
										% Pb	% Zn	% Ba	oz/ton Ag	% Fe
										DESCRIPTIVE GEOLOGY				
45	G3 G4	62 58 75 80	Qz Rz	fine coarse	fractured		42.2 10 cm CSS-2 (f) + A-2 lams. SS-2 (f) poorly sorted, argillic. Abund hairline Qz vls Several fine Py vls. 43.0 Highly sheared - very poor recovery - Probable fault. 43.6 20 cm. CSS-2 (m-f) with minor diss Py, cut by 1cm Qz-Py Vn. Highly sheared - Frags. of SS-2 (f) same as above + a few frags. of CSS-2 (m-f) Abund. Qz Vn. frags. + Local clayey gouge - Prob. fault zone.							
50	G4 G3 G4 G2 G5	62 62 50 74 67 52 70	Qz Rz Qz Qz Qz	fine coarse	fractured		44.8 20 cm. CSS-2 (m-f) cut by thick Qz Vns 47.5 Interbedded SS-2 (f) + A-2 Highly Fractured. Local Sinuous Qz-Py Vns. CSS-2 (f) with interbeds of CSS-1 (f) up to 20 cm + local sil. A-2 beds up to 30 cm. Abund. Qz-calc vns 1mm-2cm. 49.3 Highly frac. - sheared CSS-2 cut by abund. Qz-calc - Py vns 1mm - 10 cm +. Local Sp vns. - Dk Br. to yellow. Poss. fault zone 50.6 Abund. Qz-calc. vns. 1mm-10cm + cutting CSS-2, CSS-1. Local A-2 beds 10-20cm.	82	49.3 18942	0.08	3.05	0.46	6.00	
55	G3 G4 G2 G5 G3 G4	69 69 54 54 69 69	Qz Rz Qz Qz Qz Qz	fine coarse	fractured		52.2 A-2 M. sil., Wcarb. cut by abund. Qz-calc. vns. - hairline to 1cm. with local diss. + massive fine Py. 53.1 CSS-2 + CSS-1 with interbeds of A-2 increasing down hole. Qz vns to 7cm abund. in CSS. 54.4 Local strong shearing - esp. in A-2. Siltst. W-Non calc. + interbeds of v. fine gr. CSS-2 55.3 Abund. Qz-calc. vls 1-5mm some with diss. Py + minor Sp. CSS-2 (m-f) with interbeds of A-2 (W-N. calc) 1mm-4cm. Local strong pressure soln. - Some sinuous Qz-Py Vns. Several Sp vns 1-5mm subparallel to bedding over 20cm interval at 56.9m.							















# CORDILLERAN ENGINEERING ————— DIAMOND DRILL RECORD

HOLE No. MW 81-4

CLAIM:

PROPERTY: MIDWAY

PAGE No. 11 of 12

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS							
										%	%	%	oz/ton	%	PPM	PPM	
										Pb	Zn	Ba	Ag	Fe	Cu	Mn	
							DESCRIPTIVE GEOLOGY										
	G3	67	G1 SP		▲▲		147.2 2cm massive coarse Gl-Sp Vein. 147.4										
		78	SP		▲▲		Predom. SS-2 (m-f) with about 30% SS-1 (c-m) beds 10-20 cm thick + <5% lam. + beds of A-2										
	G4	53	Qz Py		▲▲	lb	Locally strongly sheared - graphitic with strong Qz streaks + minor Py. Prob. fracturing associated with fault movement.										
150		77	fz		▲▲		150.0 20 cm section of clay, graphitic frags. + Qz Vns - Poss. fault										
	G5	85			▲▲		A-2-a. Local A-2-b and A-3 W-M sil., W-M carb., W-Non calc. Local Qz-calc. Vns - hairline to 1cm. Some cross-lam. SS beds - erosive bases - generally contain 1-3% diss. Py.										
		86	Qz Py		▲▲	la	Locally 1-2% finely diss. Py in argillite.										
		80	Qz Py		▲▲		153.9										
155		75	Qz Py		▲▲		A-2. Local A-1 M-H sil. H. carb. Local W. calc. sections A few SS-2 (f) beds 1mm - 1cm - Several fine gr. Py lams. 1-2mm. V. abund. Qz-calc. Vns. 1mm - 1cm. with local Py Bedding is mod. disturbed - graphitic shear surfaces. Mod. abund. fine Qz bands parallel to bedding - lams.?										
		66			▲▲												
		60			▲▲												
	G7				▲▲		157.3 A-2-b. fine gr. SS. lams. 1-2% finely diss. Py.										
	G8				▲▲		157.9 A-1 to A-2 M-H sil., H. carb., W. calc. Very highly sheared + strongly graphitic - Poss. fault zone.										
		70			▲▲		159.6 Abund. broken hairline vts of Qz-calc. with minor Py.	100	158.6 18952	0.01	0.01		0.08	2.05	30	150	
160	G5				▲▲		M-H. calc., sil, graphitic A-2 Highly sheared - glassy shear faces	63	159.6 18953	<0.01	0.02		0.05	1.30	32	140	
	G8				▲▲		160.78		160.78								
							Cavern. Rods dropped 4 1/2 feet. Circulation was not lost so the hole must have filled up with water - Lower Zone missing										











# CORDILLERAN ENGINEERING

# DIAMOND DRILL RECORD

HOLE No. MW 81-5

CLAIM: MACC

PROPERTY: Midway

PAGE No. 4 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS						
										% Pb	% Zn	% Ba	oz/ton Ag	% Fe	ppm Cu	ppm Mn
42							<p>SS-2-f, m (argillic) (cont.) - rarely w/ minor gl, sp-py occurs as f-c. gns                      42.50 - ~20cm at unit w/ nodular silica + barite + xtls, c.gr. masses + bands, and vns &lt; 10mm (~10% overall)                      43.00 - sp vnlts up to 2mm - generally sheared + fractured w/ wk to mod clay atr.</p>									
	G3	81	Sp		△△△		<p>43.89 - 43.79 + 43.89 - 2 high grade &lt; 25mm sp-py vns - probably late stage                      CSS-2-f, m (argillic) - hly variable content of cal w/ minor interbedded non calcareous SS-2-f (generally argillic)</p>	32.0%								
45		81			△△△		<p>- minor poorly developed pressure solution textures                      - abundant slickensid shear planes - sometimes graphitic                      - two definite fault bxs + another possible in an interval of v. poor core recovery                      - minor fracturing w/ wk clay mineral alteration</p>									
	G3, G4			f3 ?			No recovery	39.9%								
		85			△△△											
				f10	△△△		<p>48.55 - fault zone generally w/ minor sp, gl                      49.38 - gradational contact w/ underlying unit</p>	78.3%								
50		79	SP, Py		△△△		49.80 - 3mm sp vnlts w/ minor py									
		79			△△△											
		79	SP, Py		△△△		51.57 - 1mm sp, py vnlts									
			Py, Gl		△△△		52.42 - 16cm sil band w/ abundant py + minor gl									
		74	Py, SP, Gl		△△△		52.86 - 10cm sil band w/ sp, gl, py									
	G3, G4	70			△△△											
55		68			△△△											
		75			△△△		55.75 - 10cm sil band w/ sp, gl									
					△△△				56.00							
		84?			△△△		56.65 - 35cm fault bx - 57.00 marks a unit boundary	70.12%	18981	0.76	3.00	0.93	6.23	228	1050	
					△△△			57.00								





# CORDILLERAN ENGINEERING ————— DIAMOND DRILL RECORD

HOLE No. *MW81-5*

CLAIM: *MACC*

PROPERTY: *Midway*

PAGE No. *7* of *9*

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL # NUMBER	ASSAYS				
										% Pb	% Zn	% Ba	oz/ton Ag	
										DESCRIPTIVE GEOLOGY				
87					△		<p><b>BOUMA SEQUENCES - SS-2-f,m, SS-3-f, trace A-3 (cont.)</b></p> <ul style="list-style-type: none"> <li>- mod sil SS-2 dominant - avg fraction non sil, wkly carb</li> <li>- occ fracturing throughout w/ v. wk clay mineral altn</li> <li>- frequent poorly developed, commonly graphitic shear planes throughout w/ v. minor fault gouge</li> <li>- minor &lt;3mm qz + cal vns - minor vning &lt;1cm subparallel to bedding is probably siderite (dolomite?) - one 2cm sp-gl probably late stage vn - one 1cm gl-qz-py vn (kneist?)</li> <li>- py occurs throughout as diss v. f. gns &amp; xtls - rarely as qz-py nodules - ~3% overall</li> </ul> <p>90.67 } well developed fault bx w/ clay altered gouge &amp; autochthonous fgts 91.98 up to 35 cm</p> <p>~ 94.00 to base of unit SS becomes less well laminated approaching SS-1</p> <p>95.28 } <b>FAULT BX - well dev. clay alt gouge w/ autochthonous fgts to 10 cm</b> 95.73 } <b>BOUMA SEQUENCES - SS-1-m,c(25%), SS-2-f,m(50%), A-3(25%)</b></p> <ul style="list-style-type: none"> <li>- hly variable lithologies juxtaposed - SS-2-f,m dominant</li> <li>- avg fraction, which is much increased, is non to wkly sil</li> </ul> <p>97.05 - 2 cm qz, py vn w/ minor sp, gl</p> <ul style="list-style-type: none"> <li>- nearly parallel to core axis</li> <li>and non to mod carb - coarser clastics are wkly to mod sil - frequent fracturing w/ ass wk clay mineral altn</li> <li>- abundant poorly to v. well developed, frequently graphitic shear planes - transitional to thick fault bxs</li> <li>- qz vning throughout but increasing greatly below 101.00 to a &lt;5mm veined stockwork - py throughout, but especially in SS-1, as f. to m. diss gns &amp; xtls (~5% overall)</li> </ul> <p>100.55 } fault bx w/ well developed gouge 101.50 and autochthonous fgts</p> <p>102.0 - Calcite on fracture surfaces</p>							
		82			△									
		85	Spfl		△									
90	G3	84			△									
					△									
					△									
					△									
		88			△									
					△									
		85			△									
					△									
		82?			△									
					△									
95		79			△									
					△									
					△									
		72			△									
					△									
		75	P <sub>2</sub> S <sub>8</sub> G1		△									
					△									
	G3, G4	72			△									
					△									
		75			△									
					△									
100		70?			△									
					△									
					△									
		62?			△									

# CORDILLERAN ENGINEERING ——— DIAMOND DRILL RECORD

 HOLE No. **MW81-5**

 CLAIM: **MACC**

 PROPERTY: **Midway**

 PAGE No. **8** of **9**

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: Unit 1a-1b contact at 114.20 m	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS													
										DESCRIPTIVE GEOLOGY							% Pb	% Zn	% Ba	oz/ton Ag	% Fe	ppm Cu	ppm Mn
102	G3 G4						102.50 BOUMA SEQUENCES-SS-1-m,c, SS-2-f,m, A-3 (cont.) 102.80 103.27 FAULT BX - well developed, wkly to mod clay altered w/ autochthonous fgts - abundant white v. qz fgts 103.85 BOUMA SEQUENCES (partly calcareous)-SS-2-f, A-3 - banded SS grading to sand banded arg - relatively high proportion of non to mod carb, non to wkly sil arg - wkly to mod sil SS - rocks become wkly calcareous at ~107.0 m - calcareous fractures occur sporadically throughout 105.92 - well developed fault breccia 106.22 - abundant fractures & shear planes throughout w/ associated wk clay mineral alteration - shear surfaces are frequently slickensid & occ. graphitic 107.70 - 3mm qz, cal, py, gl vn - v. minor qz, qz/cal vning (<5mm) - py throughout but concentrated in SS as diss f. to m. gns & xtls - trace in vns and on fracture surfaces (5-7% overall)																
105	G4	73																					
		72																					
		70																					
	G3	73																					
		74																					
		67?																					
110	G4						109.60 FAULT BRECCIA - well developed fault bx w/ autochthonous fgts up to 35 cm - many fgts are wkly carb A-2 w/ v.f. gr. py bands <1 cm - abundant graphitic striated shear surfaces on fgts - well developed mod to hly(?) carb gouge w/ wk to mod clay mineral alteration - gouge & fgts are wkly calcareous - common qz vned fgts - py occurs as diss & bands in fgts, in qz vns, and as v.f. gns & xtls in the gouge (~5%? overall)																
							Unit 1b																
							114.20 Unit 1a CSS-2-f (argillic) - v. poorly sorted, v. argillic, hly carb, silty, poorly laminated CSS - <5mm cal vning developed into stock works in some places - frequent fracturing & well dev. v. graphitic shear planes - py occurs as v.f. gns & xtls diss and rarely as nodules (~1% overall)																
115	G3 G4	69 44					- at 116.46 narrow (3cm) bands of fault gouge first occur and the CSS fgts are progressively more fractured and	98.57%	115.46 18995	<0.01	0.02	0.04	1.65	38	283								
							116.46	96.09%	18996	0.02	0.06	0.03	1.87	48	220								































APPENDIX " D "

ASSAY CERTIFICATES, CORE

To: rdilleran Engineering Ltd.REPORT NO. 1 - 1568PAGE No. 1

BONDAR-CLEGG &amp; COMPANY LTD.

DATE: November 9, 19811418 - 355 Burrard Street  
Vancouver, B.C. V6C 2G8Samples submitted: October 5, 1981  
Results completed: November 9, 1981

## CERTIFICATE OF ASSAY

PROJECT: MIDWAY Ship #19

I hereby certify that the following are the results of assays made by us upon the herein described.....rock.....samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18851			0.34		0.24	0.64	-				
18852			0.81		0.43	4.20	14.00				
18853			0.39		0.34	0.79	22.75				
18854			0.16		0.06	0.10	-				
18855			5.78		0.86	12.70	22.80				
18856			0.42		0.38	0.85	-				
18857			37.30		24.98	16.70	3.95				
18858			0.15		0.03	0.40	-				
18859			0.18		0.08	0.37	-				
18860			0.11		0.14	0.45	9.84				
18861			1.73		0.36	17.50	10.75				
18862			0.34		0.33	1.40	9.20				
18863			1.22		0.26	3.00	22.65				
18864			1.63		0.29	6.00	25.90				
18865			2.40		0.56	4.15	19.76				
18866			1.02		0.14	8.75	32.48				
18867			2.17		0.41	9.25	22.90				
18868			0.80		0.18	3.94	-				
18869			2.98		0.52	13.60	21.71				
18870			0.52		0.17	2.70	11.70				
18871			0.35		0.25	0.88	3.60				
18872			0.10		0.03	0.07	-				
18873			8.63		7.00	12.20	21.11				
18874			0.55		0.30	1.06	3.05				
18875			3.10		3.12	4.08	27.52				
18876			0.27		0.26	0.57	-				

## NOTE:

Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

  
Registered Assayer, Province of British Columbia

To: Ordilleran Engineering Ltd.

REPORT NO. A21 - 1659

PAGE No. 1

**BONDAR-CLEGG & COMPANY LTD.**

DATE: November 16, 1981

1418 - 355 Burrard Street  
Vancouver, B.C. V6C 2G8

**CERTIFICATE OF ASSAY**

Samples submitted: October 15, 1981  
Results completed: November 16, 1981

PROJECT: MIDWAY Ship #21

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18877			3.56		2.42	5.80	-				
18878			0.90		1.40	1.22	-				
18879			0.06		0.02	0.42	-				
18880			5.19		1.54	0.60	19.80				
18881			0.49		0.14	0.18	32.40				
18882			1.79		1.25	2.28	30.20				
18883			3.15		3.10	13.00	12.20				
18884			3.07		0.44	5.75	20.20				
18885			4.51		0.66	0.58	22.70				
18886			1.65		0.59	3.00	8.90				
18887			0.51		0.15	0.70	4.70				
18888			0.10		0.02	0.06	-				
18889			2.91		1.70	3.02	15.50				
18890			0.04		0.02	0.06	-				
18934			0.07		0.04	0.34	-				
18935			0.05		0.02	0.62	-				
18936			0.04		0.01	0.07	-				
18937			0.12		0.06	0.23	-				
18938			0.13		0.03	0.21	-				
18939			0.13		0.03	0.66	-				
18940			1.94		1.02	5.40	11.00				
18941			0.08		0.02	0.76	-				
18942			0.46		0.08	3.05	6.00				
18943			1.78		0.45	12.70	9.10				
18944			0.04		0.03	0.12	-				
18945			1.67		0.88	6.60	18.80				

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NOTE:  
Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

Registered Assayer, Province of British Columbia

## CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18946			0.11		0.08	0.17	-				
18947			0.05		0.01	0.08	-				
18948			6.87		2.00	23.00	6.00				
18949			3.99		1.97	2.52	22.35				
18950			3.75		2.40	1.82	3.85				
18951			0.11		<0.01	0.01	-				
18952			0.08		0.01	0.01	-				
18953			0.05		<0.01	0.02	-				
18954			0.02		<0.01	<0.01	-				
18955			0.14		0.04	0.46	-				
18956			0.18		0.12	0.49	-				
18957			0.06		<0.01	0.18	-				
18958			1.96		1.26	3.70	-				
18959			0.56		0.33	0.80	-				
18960			12.45		6.30	14.80	10.40				
18961			1.18		0.82	2.25	-				
18962			0.55		0.52	0.83	-				
18963			1.35		0.80	2.51	-				
18964			1.12		0.24	0.16	26.10				
18965			0.45		0.24	1.23	27.50				
18966			0.67		0.21	0.28	24.50				
18967			2.19		0.44	6.68	14.75				
18968			3.22		0.42	1.20	32.80				
18969			0.31		0.14	0.29	-				
18970			0.09		0.04	0.06	-				

## NOTE:

Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

To: Comilleran Engineering Ltd.

REPORT NO. A21 - 1701

PAGE No. 1

**BONDAR-CLEGG & COMPANY LTD.**

DATE: November 18, 1981

1418 - 355 Burrard Street  
Vancouver, B. C.  
V6C 2G8

**CERTIFICATE OF ASSAY**

Samples submitted: October 21, 1981  
Results completed: November 18, 1981

PROJECT: MIDWAY Shipment #22

I hereby certify that the following are the results of assays made by us upon the herein described.....core.....samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18891			0.16		0.14	10.01	1.69				
18892			0.19		0.10	0.02	27.88				
18893			3.06		0.83	14.15	18.04				
18894			0.06		0.02	0.81	3.20				
18895			0.06		10.01	0.18	2.70				
18896			0.05		0.01	0.11	3.35				
18897			0.23		0.09	0.30	3.18				
18898			5.49		4.80	3.61	6.31				
18899			1.25		1.08	3.87	10.90				
18900			1.26		0.78	5.90	18.20				
18901			0.04		0.03	0.32	3.31				
18902			0.89		0.49	3.35	23.76				
18903			1.58		0.92	9.20	5.05				
18904			0.60		0.43	2.30	3.50				
18905			0.12		0.03	0.30	1.70				
18906			2.64		0.26	16.88	5.78				
18907			0.17		0.09	0.32	1.78				
18908			0.18		0.07	0.72	4.18				
18909			0.75		0.24	2.85	9.80				
18910			0.54		0.34	2.60	19.80				
18911			1.33		0.37	1.24	9.10				
18912			3.76		0.72	7.80	29.22				
18913			0.49		0.34	0.74	31.16				
18914			0.29		0.10	0.19	30.62				
18915			0.29		0.34	1.00	3.59				

**NOTE:**

Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

Registered Assayer, Province of British Columbia



## CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described.....core.....samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18916			0.70		0.55	0.54	38.47				
18917			2.90		3.45	7.00	18.00				
18918			10.30		19.31	16.87	6.70				
18919			1.67		0.88	0.70	31.75				
18920			3.24		1.77	3.65	18.90				
18921			0.29		0.14	0.36	38.47				
18922			3.07		1.82	6.80	26.54				
18923			3.55		2.40	4.70	26.29				
18924			2.79		1.46	7.90	27.34				
18925			1.85		1.05	9.45	21.05				
18926			0.99		0.80	1.02	2.95				
18927			0.09		0.06	0.04	2.60				
18928			0.25		0.18	0.11	2.02				
18929			28.80		21.03	6.40	15.40				
18930			8.17		5.90	8.10	14.30				
18931			2.05		1.50	2.07	5.49				
18932			0.52		0.30	0.70	2.35				
18933			0.16		0.12	0.28	1.00				
18971			0.12		0.02	0.22	2.30				
18972			0.76		0.20	1.85	4.69				
18973			0.10		0.02	0.28	3.20				
18974			0.15		0.06	0.60	2.75				
18975			1.78		1.01	5.50	7.03				
18976			2.48		1.22	6.20	21.77				
18977			0.62		0.44	3.35	7.34				

## NOTE:

Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

## CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described.....core.....samples.

MARKED	GOLD		SILVER		Pb	Zn	Fe				
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
18978			0.10		0.01	0.36	2.86				
18979			0.08		0.01	0.21	2.60				
18980			0.11		0.04	0.47	3.75				
18981			0.93		0.76	3.00	6.23				
18982			0.39		0.38	0.78	4.50				
18983			1.33		0.38	1.75	24.50				
18984			2.81		0.44	8.65	13.50				
18985			5.35		1.16	2.23	34.65				
18986			1.70		0.90	10.95	11.83				
18987			4.58		1.67	15.81	9.20				
18988			1.84		0.86	6.10	6.20				
18989			5.63		0.68	20.80	15.90				
18990			1.30		0.75	5.20	3.50				
18991			1.01		0.18	0.39	36.78				
18992			0.36		0.01	6.85	33.18				
18993			0.50		0.02	1.47	34.79				
18994			0.27		0.18	0.76	4.20				
18995			0.04		L0.01	0.02	1.65				
18996			0.03		0.02	0.06	1.87				
18997			1.85		1.37	3.00	12.00				
18998			0.84		0.48	1.02	4.72				
18999			0.03		0.04	0.04	1.30				

L denotes 'less than  
cc Mr. J. Hylands

## NOTE:

Rejects retained three weeks  
Pulps retained three months  
unless otherwise arranged.

APPENDIX "E"

ALLOCATION OF EXPLORATION COSTS

TO CLAIMS AND GROUPS

## A P P E N D I X " E "

### ALLOCATION OF EXPLORATION COSTS TO CLAIMS & GROUPS, B.C.

The Midway property straddles the B.C.-Y.T. boundary. The 1981 program was integrated - it was not feasible to keep track of costs of prospecting, mapping, rentals, management fee, professional services or airborne geophysical survey on a provincial basis. To apportion these costs between B.C. and Y.T. the ratio of the relative areas surveyed is used - 681 units (B.C.) of a total of 921 units and claims (B.C. and Y.T.).

Ground geophysical survey costs are apportioned on a kilometre of line surveyed basis. Rental costs, cooks salary and support, and transportation costs exclusive of helicopter are included in camp operating costs. The apportioned management fee and cost of professional services are applied on a cost/manday basis to personnel employed by or directly supervised by (line-cutters, pilot and mechanic) Cordilleran Engineering.

SUMMARY OF COSTS ALLOCATED TO CLAIMS IN B.C.

A.	<u>Management Fee</u>		\$ 87.87/manday
B.	<u>Camp Operating Costs</u>		83.19/manday
C.	<u>Helicopter Cost</u>		554.91/hour
D.	<u>Sampling Cost</u>	\$26.41/sample x 5489 samples =	\$145,004.29
E.	<u>Mapping Cost</u>	\$116.93/unit x 681 units =	79,627.44
F.	<u>Line Cutting Costs</u>		
	Baseline, alpine	8.6 km x \$375.20/km =	3,226.72
	Baseline, bush	32.0 km x 499.50/km =	15,984.00
	Crossline	229.05km x 313.05/km =	71,704.10
	Tieline	31.2 km x 266.44/km =	8,312.93
G.	<u>Prospecting Cost:</u>	\$35.67/unit x 681 units =	24,293.80
H.	<u>Geophysical Surveys:</u>		
	Airborne	\$61.80/unit x 669 units =	41,344.20
	Ground Em	=	9,277.32
	Ground Gravity	=	19,732.24
I.	<u>Trenching and Roadwork Work</u>	=	101,871.50
J.	<u>Diamond Drilling Cost</u>	=	178,038.90
K.	<u>Survey Cost</u>	=	<u>18,787.17</u>
		<b>TOTAL COSTS ALLOCATED</b>	<b><u>\$717,204.61</u></b>

TABLE I: Lists the claims as grouped for 1981-1982.

TABLE II Shows allocation of costs to each group.

TABLE 1GROUPING OF CLAIMS, 1981-1982

<u>GROUP NAME</u>	<u>CLAIMS</u>	<u>TOTAL UNITS</u>
Climax 1	Bull 3, Macc, Climax 1,2,3,8,11 Post 1	93
Climax 2	Climax 9,10	35
Climax 3	Climax 4,5,6,7, Way 22	80
Way 1	Way 1,2,3,7,8	100
Way 2	Way 4,5,6,10,11	100
Way 3	Way 13,14,19,20,21	100
Way 4	Way 15,16,17,18	80
Bull 1	Way 9,12,23, Bull 1,2,4Fr,5	93
		<u>681</u>

9912  
NO. 107

TABLE 2

ALLOCATION OF COSTS TO GROUPS, CLIMAX, WAY, BULL, MACC, and POST CLAIMS, B.C.

GROUP NAME	No. UNITS	BASELINE				CROSSLINE		TIELINE		SAMPLES		MAPPING	GEOPHYSICS		PROSPECTING	TRENCHING/ ROADWORK	DRILLING	SURVEY	COST PER GROUP
		Alpine km	\$375.20 /km	Bush km	\$499.50 /km	km	\$313.05 /km	km	\$266.44 /km	No.	\$26.47 /sample	\$116.93 /unit	AIRBORNE \$61.80 /unit	GROUND	\$35.67 /unit				
CLIMAX 1	93	5.8	\$2,176.16	4.5	\$ 2,247.75	79.9	\$25,012.69	10.5	\$2,797.63	1945	\$ 51,381.55	\$10,874.23	\$ 5,747.40	\$29,009.56	\$ 3,317.66	\$ 89,252.75	\$178,038.90	\$18,787.17	\$418,643.45
CLIMAX 2	35			1.6	799.20	7.75	2,426.14	1.8	479.59	187	4,940.03	4,092.46	2,163.00		1,248.57				16,148.99
CLIMAX 3	80	1.1	412.72	4.6	2,297.70	18.7	5,854.04	0.1	26.64	488	12,891.62	9,354.18	4,944.00		2,853.90				38,634.80
WAY 1	100	0.5	187.60	2.0	999.00	41.9	13,116.79	6.6	1,758.50	938	24,779.38	11,692.72	6,180.00		3,567.37				62,281.36
WAY 2	100	1.2	450.24	4.4	2,197.80	10.6	3,318.33	3.6	959.18	324	8,559.19	11,692.72	6,180.00		3,567.37				36,924.83
WAY 3	100			9.0	4,495.50	32.4	10,142.82	6.1	1,625.29	666	17,593.88	11,692.72	6,180.00		3,567.37				55,297.58
WAY 4	80			2.5	1,248.75	11.4	3,568.77	2.5	666.10	278	7,344.00	9,354.18	4,944.00		2,853.90				29,979.70
BULL 1	93			3.4	1,698.30	26.4	8,264.52			663	17,514.64	10,874.23	5,005.80		3,317.66	12,618.75			59,293.90
TOTALS	681	8.6	\$3,226.72	32.0	\$15,984.00	229.05	\$71,704.10	31.2	\$8,312.93	5489	\$145,004.29	\$79,627.44	\$41,344.20	\$29,009.56	\$24,293.80	\$101,871.50	\$178,038.90	\$18,787.17	\$717,204.61

A. MANAGEMENT FEE AND PROFESSIONAL SERVICES (B.C.):

Management Fee, B.C.	=	\$61,806.86	(Sec.9.7)
Professional Services, B.C.	=	<u>58,138.00</u>	(Sec.9.8)
		\$119,944.86	

## Applicable mandays, B.C.:

Project Geologists	328		(Sec.9.1)
Juniors	423		(Sec.9.1)
Prospector	68		(Sec.9.1)
Cook	112		(Sec.9.1)
Linecutters	257	372 x 300.85/435.4	(Sec.9.2)
Pilot, Mechanic	<u>177</u>	239 x 681/921	(Sec.9.2)
	1365		

**COST OF MANAGEMENT AND PROFESSIONAL SERVICES  
PROVIDED BY CORDILLERAN ENGINEERING, PER MAN DAY:**

$$\frac{\$119,944.86}{1365} = \$87.87/\text{manday}$$

B. CAMP OPERATING COST: (B.C. & Y.T.)

Total from Sec.9.13	=	\$71,433.97	(Sec.9.13)
Transportation	=	32,297.35	(Sec.9.3)
Rentals	=	10,365.00	(Sec.9.4)
Cook, salary, 152 days x \$74/d	=	11,248.00	
Management fees, 152 mandays x \$87.87/d	=	<u>13,356.24</u>	
		\$138,700.56	

Total mandays, B.C. and Y.T. = 1799 (Sec.9.13)

$$\text{COST/manday} = \frac{\$138,700.56}{1799} = \$77.10$$

## COOKS SUPPORT:

$$\text{COST/manday} = \frac{142 \times \$77.10}{1799} = \$6.09$$

**COST OF CAMP SUPPORT, PER MAN DAY: = \$83.19/manday**



C. HELICOPTER COST: (B.C. & Y.T.)

Linecutting, soil sampling, mapping and prospecting used 220.2 hours to August 31, 1981 for 1152 flying man days.

$$\text{Helicopter hours/manday} = \frac{\$220.2}{1152} = 0.1912 \text{ hours/manday.}$$

Between 1/9/81 and 19/10/81, 92.8 hours were flown in B.C., distributed as follows:

Trenching	1/9-24/9	31.5 hours
Linecutting	1/9-12/9	12.5 hours
Geophysics	16/9-27/9	11.5 hours
Drilling	22/9-17/10	17.5 hours
Survey	1/10-5/10	<u>19.8 hours</u>
		92.8 hours

Total hours flown, to 19/10/81 = 330.5 hours

Contract cost	=	\$127,903.93
Aviation fuel	=	14,611.81
Camp support, 239 mandays x \$83.19/md	=	19,882.41
Management fees, 239 mandays x \$87.87/md	=	<u>21,000.93</u>
		\$183,399.08

$$\text{HELICOPTER COST/HOURS} = \frac{\$183,399.08}{330.5} = \$554.91/\text{hour (B.C. \& Y.T.)}$$

D. SAMPLING COST: (B.C.)

Six samplers, 323 mandays x \$50/md	=	\$16,150.00
Management fees, 323 mandays x \$87.87/md	=	28,382.01
Helicopter, 323 x 0.1912 hr/md x \$554.91	=	34,269.91
Camp support, 323 mandays x \$83.19/md	=	<u>26,870.37</u>
		\$105,672.29
5583 analyses x \$7/analysis	=	39,081.00
Assays on soil samples	=	<u>251.00</u> (Sec.9.6)
		\$39,332.00
		\$145,004.29

5583 analyses - 94 check samples = 5489 samples collected

COST/SAMPLE, collection and preparation:

$$= \frac{\$145,004.29}{5489} = \$26.417/\text{Sample}$$

E. MAPPING COST: (B.C.)

3 Geologists 198 mandays x \$125/md	=	\$24,750.00
Management fees, 198 mandays x \$87.87/md	=	17,398.26
Helicopter, 198 x 0.1912 hrs/md x \$554.91/hr	=	21,007.56
Camp support, 198 mandays x \$83.19/md	=	<u>16,471.62</u>
		\$79,627.44

$$\text{COST/UNIT FOR MAPPING} = \frac{\$79,627.44}{681} = \$116.93/\text{unit}$$

F. LINECUTTING COST: (B.C.)

Line established, B.C. =	300.85 km
Y.T. =	<u>134.55 km</u>
	435.40 km

Total time = 372 mandays

$$\text{Mandays in B.C.} = \frac{300.85}{435.40} \times 372 = 257 \text{ mandays}$$

Management fees, 257 mandays x \$87.87/md	=	\$22,582.59
Helicopter, 257 md x 0.1912 + 12.5 x \$554.91/hr	=	<u>34,203.76</u>
		\$56,786.35

$$\text{Cost/km} = \frac{\$56,786.35}{300.85} = \$188.75/\text{km}$$

## COST OF LINECUTTING:

Baseline, alpine =	\$186.45 + \$188.75 =	\$375.20/km
Baseline, bush =	\$310.75 + \$188.75 =	\$499.50/km
Crossline =	\$124.30 + \$188.75 =	\$313.05/km
Tieline =	\$77.69 + \$188.75 =	\$266.44/km

G. PROSPECTING COST: (B.C.)

$$\text{Prospector mandays in B.C.} = \frac{681}{921} \times 92 = 68 \text{ mandays}$$

Salary, 68 days x \$73.50/day	=	\$4,998.00
Management fees, 68 days x \$87.87/d	=	5,975.16
Helicopter, 68 x 0.1912 hr/d x \$554.91/hr	=	7,214.72
Camp support, 68 mandays x \$83.19/md	=	5,656.92
Analyses; rock, 24	=	239.00
Analyses; soil and sediment; 30 x \$7	=	<u>210.00</u>
		\$24,293.80

(Sec.9.6)

$$\text{PROSPECTING COST/UNIT} = \frac{\$24,293.80}{681} = \$35.67/\text{unit}$$

H. GEOPHYSICAL SURVEY COSTS: (B.C.)

Airborne Survey, Dighem Ltd. = \$51,234.00

At time of survey (9/5-21/5) Midway property consisted of 829 claims and units.

AIRBORNE SURVEY COST/UNIT =  $\frac{\$51,234.00}{829} = \$61.80/\text{unit}$

Ground EM Survey, Glen E. White

Mandays, 15/9-24/9, 3 x 10 = 30

km surveyed, Y.T. = 3.0 km

km surveyed, B.C. =  $\frac{10.6 \text{ km}}{13.6 \text{ km}}$

Mandays in B.C. =  $\frac{10.6}{13.6} \times 30 = 23.4$

## GROUND EM SURVEY COST:

Camp cost, 23.4 x \$83.19/manday = \$ 1,946.65

White invoice cost, B.C. =  $\frac{7,330.67}{\$ 9,277.32}$  (Sec.9.5)

All work done on CLIMAX 1 GROUP

Gravity Survey, Ager, Berretta and Associates

Mandays, 18/9-27/9 3 x 10 = 30

km surveyed, Y.T. = 3.4 km

km surveyed, B.C. =  $\frac{7.6 \text{ km}}{11.0 \text{ km}}$

Mandays in B.C. =  $\frac{7.6}{11} \times 30 = 20.7$  mandays

## GRAVITY SURVEY COST:

Camp costs 20.7 x \$83.19/manday = \$ 1,722.03

Helicopter, 11.5 x \$554.91/hr = 6,381.46

Ager Invoice =  $\frac{11,628.75}{\$19,732.24}$

All work done on CLIMAX 1 GROUP

I TRENCHING AND ROADWORK COST: (B.C.)

Backhoe, 22/8-24/9 = 227 hours in B.C., 34 days  
D6, 1/9-25/9 = 170 hours with trenching,

Backhoe cost	=	\$32,344.85	(Sec.9.11)
Camp support, 41 mandays x \$83.19/d	=	<u>3,410.79</u>	
		\$35,755.64	

BACKHOE COST/HOUR =  $\frac{\$35,755.64}{227}$  = \$157.51/hour

22/8-27/8, 28 hours on Bull 1 Claim, BULL 1 GROUP  
 28/8-24/9, 199 hours on Bull 3, Macc Claims, CLIMAX 1 GROUP

D-6 Tractor, 1/9 to 25/9 = 170 hours, trenching and roadwork

D-6 cost	=	\$15,085.25
Camp support, 25 days x \$83.19/d	=	<u>2,079.75</u>
		\$17,165.00

D-6 TRACTOR COST/HOUR =  $\frac{\$17,165.00}{170}$  = \$100.97/hour

1/9, 10 hours roadwork on Bull 1 claim, BULL 1 GROUP  
 2/9-25/9, 160 hours on Bull 3, Macc claims, CLIMAX 1 GROUP

Technical support for trenching:

Geologist 72 mandays x \$125/md	=	\$ 9,000.00
Juniors, 48 mandays x \$50/md	=	2,400.00
Management fees, 120 mandays x \$87.87/md	=	10,544.40
Helicopter, 31.5 x \$554.91/hr	=	17,479.66
Camp support, 120 mandays x \$83.19/md	=	<u>9,982.80</u>
		\$49,406.86

TECHNICAL SUPPORT FOR TRENCHING COST:

5/34 of time on Bull 1 claim:

$$\text{Cost} = \frac{5}{34} \times \$49,406.86 = \$7,265.71$$

29/34 of time on CLIMAX 1 GROUP:

$$\text{Cost} = \frac{29}{34} \times \$49,406.86 = \$42,141.15$$

J. DIAMOND DRILLING COSTS: (B.C.)

Amyt Drilling	=	\$120,669.64	(Sec.9.12)
D-6, cost applied to drilling	=	<u>13,473.89</u>	(Sec.9.12)
		\$134,143.53	

Drilling support costs - washing, measuring, logging, sampling  
core, moving drill, drill site clean up.

Geologists	58 mandays
Juniors	<u>52 mandays</u>
	110 mandays

D-6 Operator	<u>15 mandays</u>
	125 mandays

Geologists salaries, 58 mandays x \$125/d	=	\$ 7,250.00
Juniors salaries, 52 mandays x \$50/d	=	2,600.00
Camp support, 125 mandays x \$83.19/d	=	10,398.75
Management fees, 110 mandays x \$87.87/d	=	9,665.70
Helicopter, 17.5 hrs x \$554.91/hr	=	9,710.92
Invoice costs	=	134,143.53
Analyses	=	<u>4,270.00</u>
		\$178,038.90

DIAMOND DRILLING COST = \$178,038.90

K. SURVEY COSTS:

Hosford, Impey, Welter	=	\$ 7,134.43
Camp support, 8 mandays x \$83.19/d	=	665.52
Helicopter, 19.8 hrs x \$554.91/hr	=	<u>10,987.22</u>
		\$18,787.17

SURVEY COSTS = \$18,787.17