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GEOCHEMICAL REPORT

on the

JAMBOREE PROPERTY

CARIBOO MINING DIVISION

NTS 93A 7W

LATITUDE 52° 15' W
LONGITUDE 122° 50' W

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VANCOUVER, B.C.

for

IMPERIAL METALS CORPORATION

Field Work Period: October 20 - November 6, 1987

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,215

DENNIS GORC
FEBRUARY, 1988
VANCOUVER, B.C.

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SUMMARY

The Jamboree claims are situated in the Cariboo Mining Division 85 km east of Williams Lake, B.C.. The property is set within the Quesnel Trough, a belt of Mesozoic volcanics and sediments.

The 1987 fall program was divided into three work areas: North Grid, Offset Lake Grid and Doreen Creek areas.

On the North Grid a total of 385 soil samples were taken and submitted for analysis for gold by atomic adsorption and 30 element ICP analysis. Several apparent east-west trending gold anomalies were defined which require further follow-up.

On the Offset Lake Grid a total of 562 soil samples were taken and submitted for analysis. Roughly east-west trending soil anomalies were defined for gold, copper, arsenic, nickel and chromium. The strong linear nature and the east-west trend to the soil anomalies suggest that they are related to shear structures.

1.0 INTRODUCTION

This report discusses soil geochemical surveys completed on the Jamboree property during the period October 20 - November 6, 1987. Two target areas were investigated. The North Grid was established in an area in which previous work outlined airborne VLF electromagnetic and magnetic anomalies as well as stream sediments anomalous in gold.

A second grid was completed in the Offset Lake area to more accurately define the anomalous gold-in-soil values previously returned from this area. Previous work including drilling and trenching have failed to adequately explain the anomalous gold values returned from soil sampling.

The Doreen and North Doreen showings were also examined and some prospecting done to try and extend the known showings.

2.0 CLAIM DATA

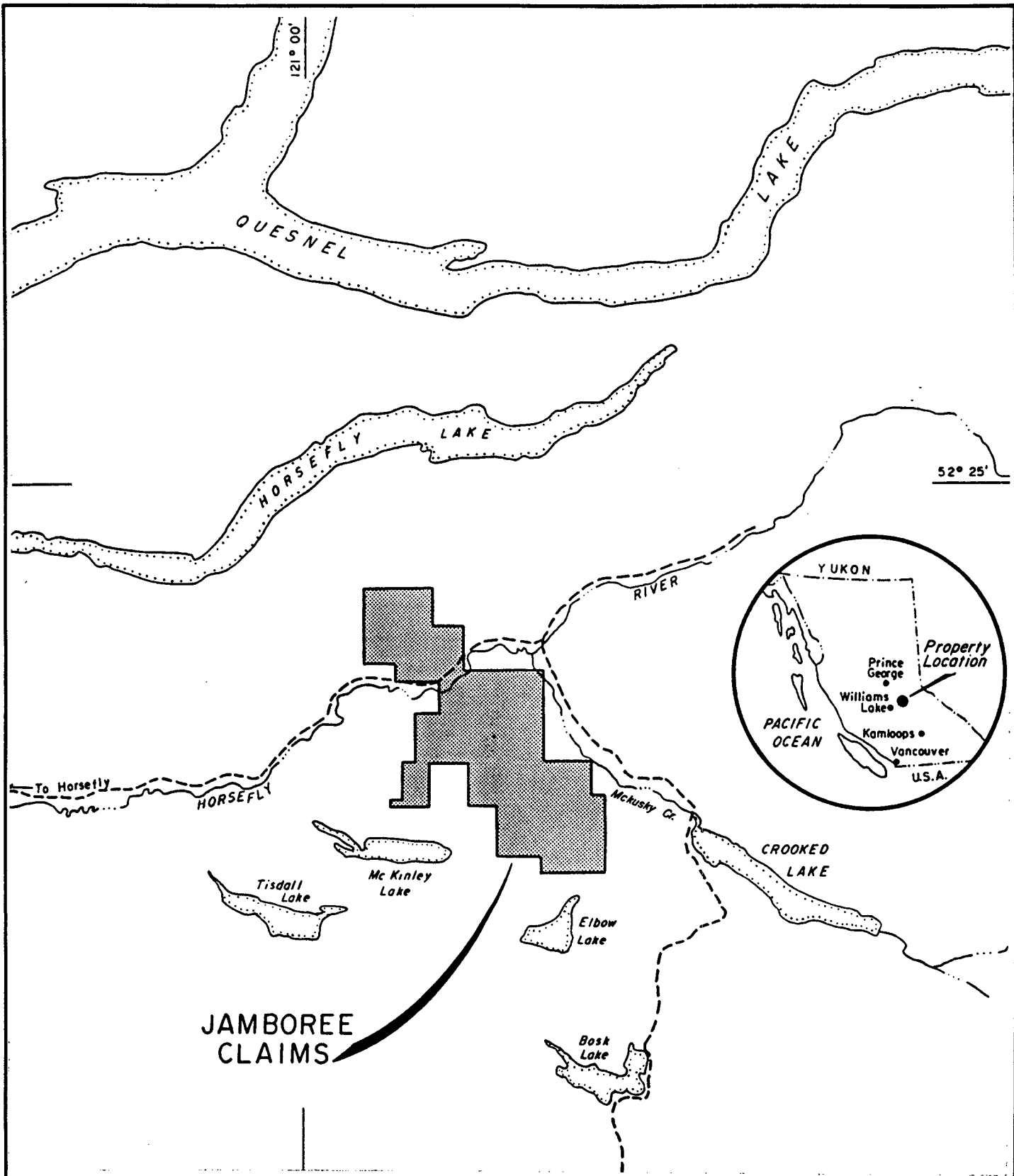
The Jamboree claim block consists of 18 modified grid claims totalling 290 units. These claims are listed as owned by Imperial Metals Corporation, but are subject to a joint venture partnership which also includes Geomex Development Inc., Ruanco Enterprises Ltd., and International Display Corporation.

3.0 LOCATION, ACCESS AND TOPOGRAPHY

The Jamboree property is situated approximately 85 km east of Williams Lake, B.C. in the Cariboo Mining Division. The claims straddle the Horsefly River near its junction with McKusky Creek. The latitude is 52°15'N and longitude is 120°50'W on NTS map sheet 93A/7W.

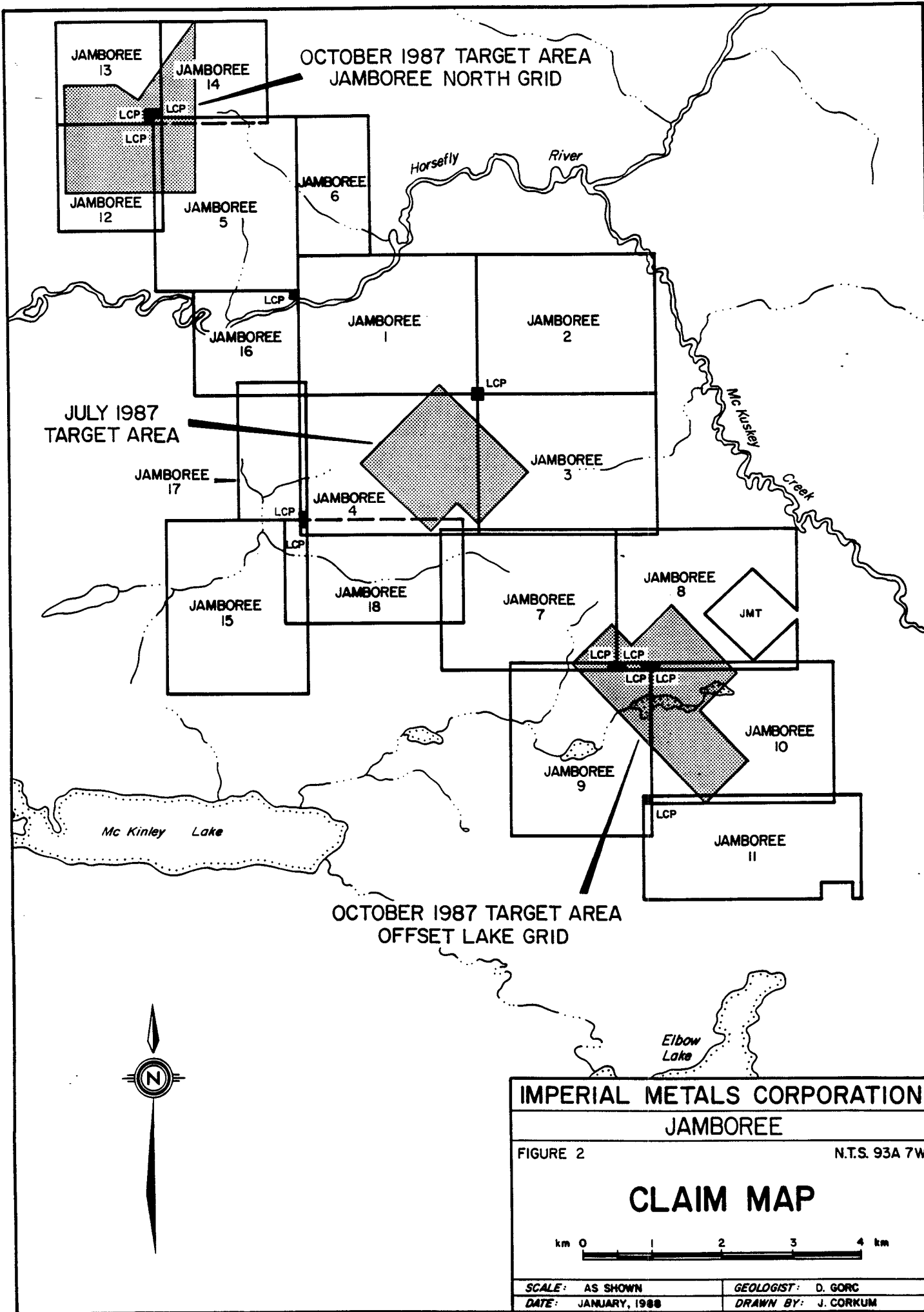
Access is by an all-weather logging road from the town of Horsefly, 20 km to the west. Secondary logging roads provide good access to peripheral areas of the claims, including the North Grid and Offset Grid areas.

The Jamboree claims are located in the western foothills of the Cariboo Mountains. Elevations range between 900 meters on the Horsefly River to 1700 meters on the Ridge area in the central portion of the claim group. Much of the lower areas have been logged providing good exposure while the mature forests on the upper mountain slopes allow good walking. The central Ridge Area is relatively flat with several marshes and swamps among large stands of evergreen.



JAMBOREE CLAIMS

IMPERIAL METALS CORPORATION	
JAMBOREE	
FIGURE 1	N.T.S. 93A 7W
LOCATION MAP	
SCALE: 1:250,000	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM



IMPERIAL METALS CORPORATION	
JAMBOREE	
FIGURE 2	N.T.S. 93A 7W
CLAIM MAP	
SCALE: AS SHOWN	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM

TABLE 1 - CLAIM DATA

<u>Name</u>		<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
Jamboree	1	20	3783 (6)	24/06/81
Jamboree	2	20	3784 (6)	24/06/81
Jamboree	3	20	3785 (6)	24/06/81
Jamboree	4	20	3786 (6)	24/06/81
Jamboree	5	20	3787 (6)	24/06/81
Jamboree	6	8	3788 (6)	24/06/81
Jamboree	7	20	4176 (11)	26/11/81
Jamboree	8	20	4177 (11)	26/11/81
Jamboree	9	20	4178 (11)	26/11/81
Jamboree	10	20	4185 (11)	26/11/81
Jamboree	11	18	4179 (11)	26/11/81
Jamboree	12	9	4180 (11)	26/11/81
Jamboree	13	9	4181 (11)	26/11/81
Jamboree	14	9	4186 (11)	26/11/81
Jamboree	15	20	4182 (11)	26/11/81
Jamboree	16	9	4183 (11)	26/11/81
Jamboree	17	8	4184 (11)	26/11/81
Jamboree	18	20	4353 (7)	12/07/82

4.0 EXPLORATION HISTORY

The Jamboree claims 1-6 were staked in June, 1981 in response to the release of geochemical data by the British Columbia Government indicating the area was anomalous in arsenic. The Jamboree 7-17 claims were staked in October, 1981 after additional soil and silt sampling was carried out in the region. The Jamboree 18 claim was staked in July, 1982 to fill in open ground between Jamboree 7 and 15.

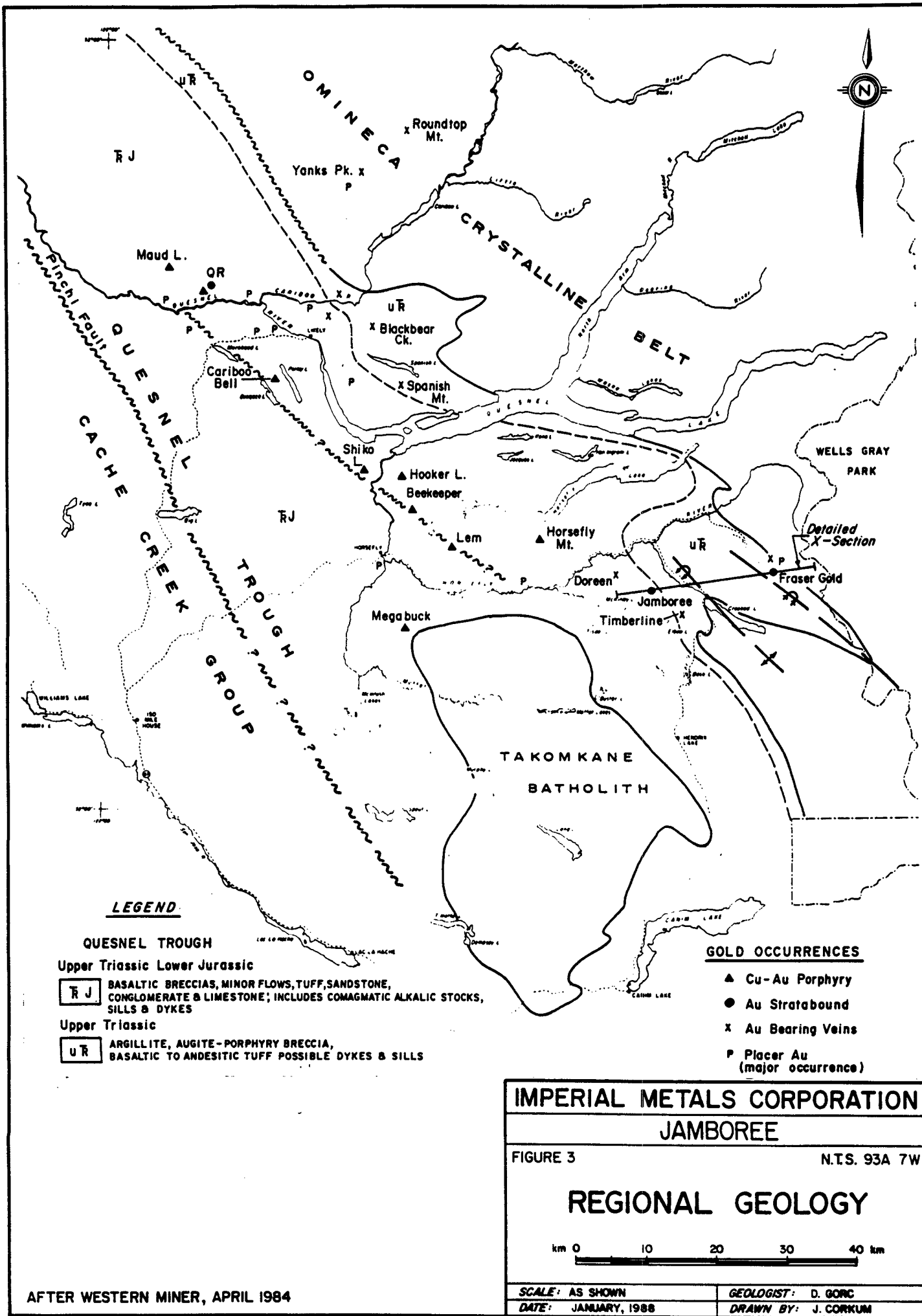
The 1982 exploration program began with the establishment of a geochemical sampling grid on the central area of the claim block. Reconnaissance lines were run elsewhere. Results were encouraging with several gold-arsenic anomalies outlined. One rock sample from outcrop in the Doreen lake area assayed 0.121 oz/ton Au over 1 meter.

In 1983 the geochemical grid was expanded to cover a much larger portion of the claim group. The original grid's baseline was extended to the Horsefly River in the northwest and to the Jamboree 11 claim in the southeast corner of the claim block.

A program of soil and rock geochemical sampling and geologic mapping was carried out. A total of 1760 soil samples were taken of which 103 returned gold values of greater than 25 ppb. The maximum value obtained was 5250 ppb Au. Over the course of geologic mapping 230 rock chip samples were taken and geochemically analysed.

During July 1983 an airborne magnetometer and EM survey was completed. Results of this initial phase of exploration outlined three major target areas warranting further exploration. A trenching and subsequent rotary/percussion drilling program was carried out on the Doreen Creek area (Jamboree 15 claim block) and the Offset Lake area (Jamboree 8 and 10). This phase of exploration yielded encouraging results including two trench samples at Doreen Lake which ran 0.145 and 0.118 oz/t Au over 2 meters. The third exploration target outlined was the Ridge area which includes most of Jamboree 1, 3, 4 and 7 claims. In the Ridge area geochemical soil sampling outlined several areas of anomalous gold and arsenic. A large soil anomaly along a creek on the north-central area of Jamboree 4 also yielded high Au values from outcrop exposed along the canyon walls.

In June 1987 a VLF electromagnetic and magnetometer survey was completed along 17 kilometers of new grid on the above Ridge area. In addition, 639 soil samples and 31 rock samples were collected.



LEGEND

- QUESNEL TROUGH**
 Upper Triassic Lower Jurassic
 [RJ] BASALTIC BRECCIAS, MINOR FLOWS, TUFF, SANDSTONE, CONGLOMERATE & LIMESTONE; INCLUDES COMAGMATIC ALKALIC STOCKS, SILLS & DYKES
 Upper Triassic
 [UR] ARGILLITE, AUGITE-PORPHYRY BRECCIA, BASALTIC TO ANDESITIC TUFF POSSIBLE DYKES & SILLS

- GOLD OCCURRENCES**
 ▲ Cu-Au Porphyry
 ● Au Stratabound
 x Au Bearing Veins
 P Placer Au (major occurrence)

IMPERIAL METALS CORPORATION
JAMBOREE

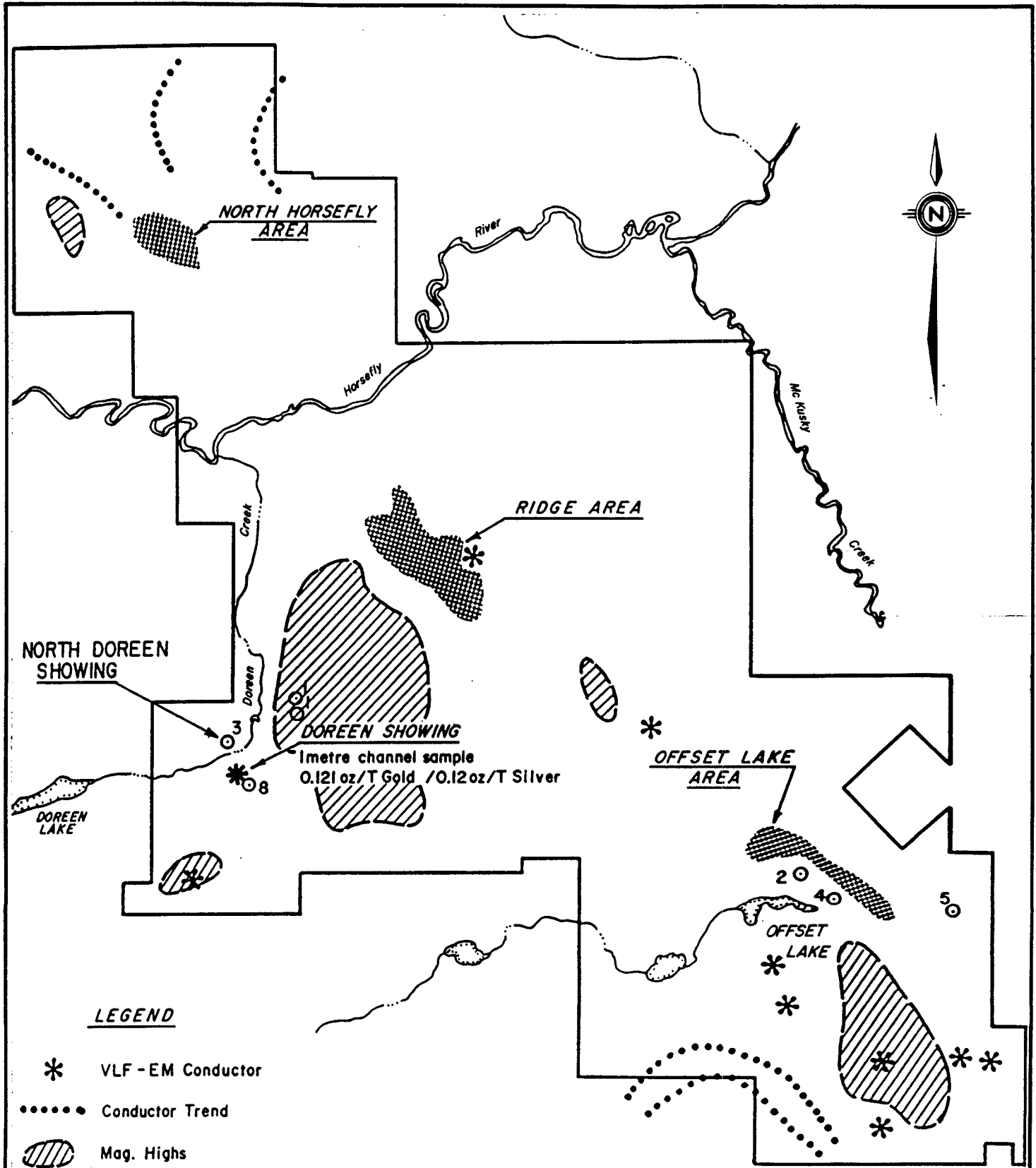
FIGURE 3 N.T.S. 93A 7W

REGIONAL GEOLOGY



AFTER WESTERN MINER, APRIL 1984

SCALE: AS SHOWN	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM



LEGEND

- * VLF-EM Conductor
- Conductor Trend
- ▨ Mag. Highs
- ▩ Areas Of Anomalous Gold Geochem. Values
- ₆ Drill Area and number of holes

IMPERIAL METALS CORPORATION
JAMBOREE

FIGURE 4 N.T.S. 93A 7W
EXPLORATION HISTORY
COMPILATION



SCALE: 1:60 000	GEOLOGIST: D. GORG
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM

5.0 REGIONAL GEOLOGY

The Jamboree claims lies within the Quesnel Trough, a narrow tectonic depression in which Mesozoic sedimentary and volcanic rocks were deposited. The Trough extends from the U.S. border to 57°N latitude.

In the vicinity of the Jamboree property the Quesnel Trough is fault-bounded to the west by the Paleozoic Cache Creek Group and to the east by Paleozoic and Precambrian strata. The prevailing structural trend is northwesterly.

The Quesnel Trough is the host for several important gold and copper-gold deposits included the Cariboo-Bell deposit (100,000,000 tons grading 0.37% Cu and 0.015 oz/ton Au); QR deposit (950,000 tons grading 0.21 oz/ton); Ingerbelle-Copper Mountain (200,000,000 tons grading 0.5% Cu, 0.005 oz/ton Au).

6.0 PROPERTY GEOLOGY

6.1 Lithologies:

The Jamboree claim group is underlain by an Upper Triassic - Lower Jurassic volcanoclastic - sedimentary assemblage assigned to the Quesnel River Group by Campbell (G.S.C. open file 544, 1978).

The regional bedding trend strikes north to the northwesterly with moderate to steep easterly dips. Regional metamorphism increases in intensity to the east where interbedded tuffs and argillites have been converted to phyllites.

The rocks underlying the property have been divided into three main units based largely upon field geological mapping carried out by G. Richards and R. Simpson from June 9 to October 15, 1983. These are a lower tuff-argillite sequence, a middle volcanic breccia zone and an upper, predominantly argillitic sequence. The lower unit is intruded by a dioritic stock and associated andesitic sills and/or dykes assigned to a fourth unit.

The lower part of the unit 1 assemblage is exposed near Doreen Creek and consists of interbedded and commonly laminated, argillites and tuffs. The rocks are virtually unmetamorphosed with the exception of a hornfels halo developed around a dioritic stock. Equivalent rocks exposed north of the Horsefly River are cherty tuffs overlain by laminated tuffs with occasional lapilli tuff horizons.

Higher in the section, resistant andesitic tuffs, including minor crystal and lapilli tuff, form cliffs and knobs on the upper slopes of the central hill. These are overlain by more recessive interbedded tuff and argillite with minor volcanoclastic sandstone near the top.

Massive uniform andesite containing hornblende needles 1-4 mm long and aphanitic, dark green andesite containing small (.5 mm) hornblende crystals and no readily discernable breccia texture. These rock types are commonly foliated and chloritized.

The andesite breccia is overlain by unit 3, a predominantly sedimentary sequence of black to brownish argillite and shaly phyllite with minor interbedded phyllitic tuff. This unit is recessive and poorly exposed.

In the Doreen lake vicinity, argillites and tuffs of unit 1 have been intruded by a fine grained diorite stock resulting in a hornfels halo extending 200 to 300 meters from the contact exposed in two creek beds east of Doreen Creek. Hornfels development is more widespread on the hillside north of Doreen Lake. The diorite and related hornblende andesite - microdiorite sills and/or dykes are assigned to unit 4 but may be contemporaneous with the andesite breccia of unit 2.

The presence of numerous, sub-angular, glacial float boulders combined with a prominent magnetic anomaly located southeast of Offset Lake, indicates the presence of a gabbro-hornblendite body. Thick glacial deposits cover this area and no outcroppings have been uncovered.

Unit 1 is conformably overlain by a resistant andesite breccia zone (unit 2) which varies from 150 to 300 meters in thickness. On top of the central hill, fragments of the andesite breccia are of two types; andesite fragments characterized by tabular hornblende crystals 4 to 10 mm long and 3 to 5 mm wide; and andesite fragments with acidular

hornblende crystals 1 mm wide and 3 to 4 mm in length. The size of the clasts is generally greater than 10 cm in diameter but decreases to 1 cm within 100 m of the top. Graded bedding is more evident in the top 100 m with fragments decreasing in size to less than 3 mm within 50 m of the top. A dust tuff horizon, normally less than 10 m in thickness, occurs at the top of unit 2. Finer grained lenses occur within the coarser breccias and the most southeasterly outcrops of this unit. In the Offset lake area, the andesite breccia typically contain 10% dioritic fragments with some gabbro and hornblendite fragments in a microdiorite matrix. Fragments are extremely angular and vary widely in diameter from a few centimeters to several decimeters.

6.2 Hydrothermal Alteration:

Ankerite is the most widespread alteration mineral on the property. It occurs in all rock types but is most commonly associated with fault zones and with silicified phyllite zones of unit 1 northeast of Offset Lake.

Quartz veins cut all units and silicification is common within argillite and argillite-tuff sequences of units 1 and 3. Strongly silicified zones occur in unit 1 rocks below the andesite breccia contact. Large quartz vein fragments exceeding 1 m in width lie in a logged clearing near the southeast corner of the Jamboree 8 claim near recessive outcroppings of unit 3.

Mariposite commonly occurs with ankerite and quartz in silicified phyllites near Offset Lake and in float boulders on the Jamboree 5 claims north of the Horsefly River.

Weak to moderate chlorite alteration of hornblende is widespread in units 2 and 4. Stronger chloritization is associated with fault zones.

Epidote alteration is mainly confined to the andesite breccia in the Offset Lake area. Strongly epidotized boulders occur in old glacial moraines east of Offset Lake.

Gypsum commonly coats fractures and bedding surfaces of argillite in the Doreen Creek area.

6.3 Doreen and North Doreen Showings:

The Doreen and North Doreen Showings are located on the Jamboree 15 mineral claim in the west-central portion of the property. A total of 13 percussion drill holes were completed in the Doreen Creek area in 1983. The best gold value returned was 0.024 oz/ton Au over 2.1 meters. Previous surface chip sampling returned a gold value of 0.121 oz/ton over 1 meter.

The Doreen showings occur within a bulldozed clearing (25m by 25m) near a sharp switchback in a logging road. Overburden in the area is approximately 4m to 5m deep and attempts to find extensions of the showing along strike were not successful. Outcrops in the cleared area consist of strong sheared, iron stained, bleached and silicified argillite and volcanic tuff. Measurements of shearing orientation had a strike of 260° and a dip of 80° north. The altered, sheared and variably silicified rock contains 3-5% disseminated pyrite. No other sulphides were observed in the 1987 program. (See Table 2 for sample results).

Dikelets of microdiorite were noted in some outcrops within the showing. The dikelets were very thin (less than 15 cm thick) and barren of sulphides. These dikelets may be related to the nearby diorite intrusive.

The North Doreen showing is located north of Doreen Creek along a road cut. The showing is about 20 m by 10 m in area. Attempts to extend the showing were not successful due to the extensive overburden in this area.

The showing is visible from a distance due to prominent iron staining. On closer inspection the strong shearing noted in the Doreen showing was not observed here. The mineralization consists of 2-3% disseminated pyrite within argillite. A few diorite dykes were also noted but these are barren of sulphides (See Table 2 for sample results).

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TABLE 2 - ROCK GEOCHEMISTRY
DOREEN AND NORTH DOREEN SHOWINGS

<u>Sample #</u>	<u>Au (ppb)</u>	<u>Cu (ppm)</u>	<u>As (ppm)</u>	<u>Zn (ppm)</u>	<u>Mo (ppm)</u>
Doreen 1R	21	828	5	27	37
Doreen 2R	32	453	33	50	10
Doreen 3R	780	486	2	32	1
Doreen 4R	7	424	4	217	1
Doreen 5R	6	137	3	26	1
North Doreen 1R	580	151	2	37	2
North Doreen 2R	1390	301	8	37	1

7.0 SOIL GEOCHEMISTRY

7.1 Introduction:

Two grids were established on the Jamboree property; the North Grid, north of the Horsefly River and the Offset Lake Grid in the southern part of the property. In each case a baseline was compassed, chained and flagged and cross lines established every 100 m to 200 m. Crosslines were flagged at 25 m intervals.

Soil samples were taken at either 25 m or 50 m intervals along each of the cross lines. Samples were taken of B-horizon soil at depth of 15 cm to 25 cm. For the most part soils have well-developed horizons and are well drained. Samples were submitted to Acme Laboratories of Vancouver for gold analysis by atomic adsorption and 30 element ICP analysis. A total of 205 soil samples were submitted from the North Grid and 562 soil samples from the Offset Lake Grid.

7.2 Offset Lake Grid:

Soil samples from the Offset Lake Grid returned values anomalous in gold, copper, arsenic, nickel and chromium (Figures 6-9). In most cases the anomalies are linear and trend roughly E-W. One should note that E-W soil anomalies and VLF anomalies were outlined within the Ridge area of the property a few kilometers to the northwest.

For the most part the soil anomalies are roughly co-incident although there are some exceptions.

Gold values in soil are shown in Figure 6 and are contoured at 5 ppb, 20 ppb and 100 ppb intervals. The largest most significant anomaly is approximately 1 km long and 150 m wide extending from L8N 5E to L2S 5.5E. This anomaly includes a high of 6395 ppb Au and other values of 435 ppb, 390 ppb, 540 ppb, 270 ppb, 1620 ppb and 195 ppb Au. this gold anomaly is roughly coincident with copper and arsenic soil anomalies.

A second gold anomaly extends from L10N 5.35E to L4N 5.6 E. This narrow linear anomaly is approximately 700 m long and 25 m wide and is coincident with copper, nickel and chromium anomalies.

Other east-west trending gold anomalies are also indicated on Figure 6 but for the most part they consist of only marginally anomalous gold values and are not judged as significant as the above two anomalies. The anomaly extending from L0N 4.25E to L2S 4.35E is in an area of swampy ground so the anomalous values returned may be due to high organic content.

Copper values ranged up to 298 ppm Cu and are contoured at 100 ppm and 200 ppm intervals (Figure 7).

Arsenic values ranged up to 241 ppm As and are contoured at 30 ppm and 60 ppm intervals (Figure 8).

Nickel values ranged up to 298 ppm Ni and are contoured at 75 ppm intervals.

Chromium values ranged up to 885 ppm Cr and are contoured at 100 ppm and 240 ppm intervals.

One should noted that the most prominent nickel and chromium soil anomaly which extends from L10N 5.25E to 425 5.675 E lies immediately north of the most prominent gold anomaly.

7.2 North Grid:

Soil samples were taken at 50 m intervals along lines spaced 200 m apart so contouring and interpretation are questionable. Additional soil sampling is required to adequately delineate the anomalies. However, the contouring of soil gold values suggests, as on the Offset Lake Grid, E-W gold anomalies. The soil sampling returned a high of 325 ppb Au.

Apparent E-W gold soil anomalies include:

- a) L8E 0.5S to L12E 0.5S (high of 57 ppb Au).
- b) L10E 2.5S to L12E 2.5S (high of 325 ppb Au).
- c) L8E 4.5S to L10E 4.5S (high of 147 ppb Au).
- d) L14E 6.5S to L18E 6.5S (high of 28 ppb Au).
- e) L16E 6.0N to L19E 6.0N (high of 23 ppb Au).

TABLE 3 - SOIL GEOCHEMISTRY - NORTH GRID

<u>Sample #</u>	<u>Au (ppb)</u>	<u>Cu (ppm)</u>	<u>As (ppm)</u>	<u>Ni (ppm)</u>	<u>Cr (ppm)</u>
JN 10 S	10	54	16	104	239
JN 11 S	14	112	27	73	170
L0E 00N	8	51	20	65	134
L6E 250N	9	67	20	68	149
L8E 050S	57	147	350	84	168
L8E 450S	147	66	24	174	444
L10E 400N	22	40	59	29	89
L10E 050S	30	38	19	23	43
L10E 350S	325	180	751	48	65
L10E 300S	5	71	131	49	110
L10E 450S	53	83	37	83	187
L12E 100N	6	63	404	157	128
L12E 250S	9	115	44	70	140
L12E 300S	18	98	91	36	57
L12E 550S	8	80	32	109	209
L12E 1000S	36	61	18	89	175
L14E 650S	28	120	150	126	265
L14E 700S	12	74	93	108	235
L16E 600N	8	32	2	20	64
L16E 650S	12	55	34	146	419
L18E 650S	21	67	2	78	145
L19E 600N	23	36	5	25	61

8.0 CONCLUSIONS AND RECOMMENDATIONS

Soil samples from the Offset Lake Grid returned values anomalous in gold, copper, arsenic, nickel and chromium. These anomalous values occur along narrow linear E-W trends suggesting that they are related to shear structures. Previous work on the Doreen and Ridge areas of the property also suggests E-W trending gold bearing structures.

The Offset Lake Grid anomalies are for the most part roughly coincident except for the most prominent gold and nickel-chromium anomalies which lie adjacent to each other.

The nickel and chromium anomalies may be in part due to the volcanic breccia unit which underlies a portion of the grid.

Additional detailed soil sampling, geological mapping, VLF electromagnetic and magnetic surveys and trenching should be done on the Offset Lake Grid to further investigate the anomalous soil samples obtained in the 1987 program.

Although apparent E-W gold anomalies were also returned from the North Grid more detailed work is needed to draw any conclusions as to the significance of anomalous gold values returned from the 1987 program.

Additional soil sampling, geological mapping and VLF electromagnetic surveys should be completed in the vicinity of anomalous gold values returned in the 1987 program.

9.0 STATEMENT OF QUALIFICATIONS

I, DENNIS M. GORC, residing at Apartment 202, 270 West 1st Street in North Vancouver, British Columbia, V7M 1B4 state that:

- (1) I graduated from Queen's University, Kingston, Ontario with a B.Sc. (Eng.) degree in mineral exploration in May 1976.
- (2) I have conducted mineral exploration programs in British Columbia, N.W.T., Manitoba and Ontario since my graduation.
- (3) I am presently employed as a geologist with Imperial Metals Corporation, Suite 800, 601 West Hastings Street in Vancouver, British Columbia.
- (4) I personally supervised the program discussed in this report.

DENNIS M. GORC

10.0 REFERENCES

- Campbell, K.V. and Campbell, R.B., 1970
Quesnel Lake Map Area, British Columbia (93A) Geological
Survey of Canada, Paper 70-1, Part A, p. 32-35.
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Mineral Claims; in-house report, December 15, 1983.

A P P E N D I X I

COST STATEMENT

COST STATEMENT
October-November 1987 Program
Jamboree Property

A. Jamboree 7, 8, 9, 10, 11 Mineral Claims

1. Wages:

D. Gorc Oct. 19, 20, 29, 30, 31; Nov. 1, 2, 3, 4, 1987 Jan. 25, 26, 27; Feb. 2, 3, 1988	\$ 2,730.00
D. Royea Oct. 20, 29, 30, 31; Nov. 1, 2, 3, 4, 1987	840.00
M. Tesch Oct. 20, 29, 30, 31; Nov. 1, 2, 3, 4, 1987	840.00
D. Nestman Oct. 20, 29, 30, 31; Nov. 1, 2, 3, 4, 1987	<u>840.00</u>
Total Wages:	\$ 5,250.00

2. Accommodation and Food

Lodging and Meals 32 man-days @ \$50 per man-day	\$ 1,600.00
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3. Equipment

Equipment Purchases (gasoline, soil bags, etc.) (Total purchases for program \$2,001.21; will proportion 50% of this cost towards Jamboree 7, 8, 9, 10, 11.)	\$ 1,000.61
Truck Rental 8 days @ \$74.25 per day	<u>\$ 594.00</u>
Total Equipment:	\$ 1,594.61

4. Geochemical

562 soil samples analyzed for gold by A.A. and 30 element ICP	\$ 5,563.80
Greyhound Shipping Cost	<u>\$ 50.00</u>
Total Geochemical:	\$ 5,613.80

5. Report

Report Costs (drafting, computer, map reproductions, etc.)	\$ 1,250.00
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Page 2
COST STATEMENT
October-November 1987 Program

Cost Summary Jamboree 7, 8, 9, 10, 11

Wages	\$ 5,250.00
Accommodation and Meals	\$ 1,600.00
Equipment	\$ 1,594.61
Geochemical	\$ 5,613.80
Report	<u>\$ 1,250.00</u>
	<u>\$15,308.41</u>

Page 3
COST STATEMENT
October-November 1987 Program

B. Jamboree 12, 13, 14

1. Wages:

D. Gorc Oct. 24, 25, 26, 27, 1987; Jan. 22, 28, 30, 1988	\$ 1,365.00
D. Royea Oct. 24, 25, 26, 27, 1987	\$ 420.00
M. Tesch Oct. 24, 25, 26, 27, 1987	\$ 420.00
D. Nestman Oct. 24, 25, 26, 27, 1987	\$ 420.00

Total Wages: \$ 2,625.00

2. Accommodation and Food:

Lodging and Meals 16 man-days @ \$50 per man-day \$ 800.00

3. Equipment:

Equipment Purchases (gasoline, soil bags, etc.) \$ 500.30
(Total purchases for program \$2,001.21; will proportion 25% of this cost to Jamboree 12, 13, 14.)

Truck Rental 4 days @ \$74.25 per day \$ 297.00

Total Equipment: \$ 797.30

4. Geochemical

223 soil samples analyzed for gold by A.A. and 30 element ICP \$ 2,207.70

Greyhound Shipping Costs \$ 30.00

Total Geochemical: \$ 2,237.70

5. Report

Report Costs (drafting, computer, map reproductions, etc.) \$ 750.00

Cost Summary Jamboree 12, 13, 14

Wages	\$ 2,625.00
Accommodation and Food	\$ 800.00
Equipment	\$ 797.30
Geochemical	\$ 2,237.70
Report	\$ 750.00

\$ 7,210.00

Page 4
COST STATEMENT
October-November 1987 Program

C. Jamboree 5 (to be applied against Jamboree 16, 17)

1. Wages:

D. Gorc Oct. 21, 23, 28, 1987; Jan. 21, 29, 1988	\$ 975.00
D. Royea Oct. 21, 23, 28, 1987	\$ 315.00
M. Tesch Oct. 21, 23, 28, 1987	\$ 315.00
D. Nestman Oct. 21, 23, 28, 1987	<u>\$ 315.00</u>
Total Wages:	\$ 1,920.00

2. Accommodation and Food:

Lodging and Meals 12 man-days @ \$50 per man-day	\$ 600.00
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3. Equipment:

Equipment Purchases (gasoline, soil bags, etc.) (Total purchases for program \$2,001.21; will proportion 12.5% of this cost to Jamboree 16, 17.)	\$ 250.15
Truck Rental 3 days @ \$74.25 per day	<u>\$ 222.75</u>
Total Equipment:	\$ 472.90

4. Geochemical

62 soil samples analyzed for gold by A.A. and 30 element ICP	\$ 613.80
Greyhound Shipping Costs	<u>\$ 20.00</u>
Total Geochemical:	\$ 633.80

5. Report

Report Costs (drafting, computer, map reproductions, etc.)	\$ 250.00
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Cost Summary Jamboree 12, 13, 14

Wages	\$ 1,920.00
Accommodation and Food	\$ 600.00
Equipment	\$ 472.90
Geochemical	\$ 633.80
Report	<u>\$ 250.00</u>
	<u>\$ 3,876.70</u>

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COST STATEMENT
October-November 1987 Program

D. Jamboree 5

1. Wages:

D. Gorc Oct. 22; Nov. 5, 6 1987; Jan. 20, 1988	\$ 780.00
D. Royea Oct. 22; Nov. 5, 6 1987	\$ 315.00
M. Tesch Oct. 22; Nov. 5, 6 1987	\$ 315.00
D. Nestman Oct. 22; Nov. 5, 6 1987	<u>\$ 315.00</u>

Total Wages: \$ 1,725.00

2. Accommodation and Food:

Lodging and Meals 12 man-days @ \$50 per man-day \$ 600.00

3. Equipment:

Equipment Purchases (gasoline, soil bags, etc.) \$ 250.15
(Total purchases for program \$2,001.21; will
proportion 12.5% of this cost to Jamboree
16, 17.)

Truck Rental 3 days @ \$74.25 per day \$ 222.75

Total Equipment: \$ 472.90

4. Geochemical

7 rock samples analyzed for gold by A.A. and
30 element ICP \$ 89.74

5. Report

Report Costs (drafting, computer, map reproductions, etc.) \$ 250.00

Cost Summary Jamboree 15

Wages	\$ 1,725.00
Accommodation and Food	\$ 600.00
Equipment	\$ 472.90
Geochemical	\$ 89.74
Report	<u>\$ 250.00</u>

\$ 3,137.64

A P P E N D I X I I

GEOCHEMICAL RESULTS - OFFSET LAKE GRID

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 6 1987

DATE REPORT MAILED: Nov 18/87

ASSAYER: D. Jeyar. DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-6307

File # 87-5511

Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L1400N 4200E	1	18	7	96	.1	12	11	512	2.61	2	5	ND	3	50	1	2	3	51	.67	.035	3	18	1.09	107	.12	4	2.32	.01	.08	1	1
L1400N 4250E	1	29	5	73	.2	32	7	368	2.13	17	5	ND	3	37	2	2	2	30	.31	.088	11	62	.63	94	.04	2	1.06	.01	.06	1	3
L1400N 4300E	2	46	6	100	.3	52	11	245	2.81	18	5	ND	4	32	1	2	2	43	.23	.061	10	100	.86	67	.07	2	1.49	.01	.07	1	2
L1400N 4350E	1	83	3	105	.3	54	17	376	3.51	10	5	ND	3	92	1	2	2	52	.76	.061	6	94	1.20	117	.15	2	2.10	.01	.08	1	1
L1400N 4400E	2	31	8	112	.4	44	11	339	2.73	14	5	ND	3	61	1	2	2	45	.49	.025	9	86	.80	86	.08	2	1.46	.01	.06	1	1
L1400N 4450E	2	90	5	125	1.5	82	17	597	3.94	21	5	ND	3	67	1	2	2	56	.58	.054	8	138	1.42	63	.12	7	1.94	.01	.11	1	1
L1400N 4500E	1	45	6	116	.1	69	16	468	3.19	12	5	ND	3	54	1	2	2	50	.39	.038	8	119	1.29	65	.12	2	1.80	.01	.09	1	1
L1400N 4550E	1	38	4	124	.1	66	14	359	2.86	15	5	ND	2	53	1	2	2	49	.40	.032	7	105	1.10	82	.12	2	1.73	.01	.07	1	2
L1400N 4600E	1	39	6	129	.3	55	15	390	2.94	14	5	ND	3	46	1	2	2	49	.34	.058	8	102	1.11	86	.11	2	1.75	.01	.08	1	1
L1400N 4650E	1	35	10	101	.3	55	13	294	3.03	19	5	ND	4	45	1	2	2	49	.35	.065	9	108	1.21	68	.12	2	1.69	.01	.08	1	1
L1400N 4700E	2	65	9	117	.3	84	17	738	3.64	27	5	ND	3	63	1	2	2	55	.47	.038	9	141	1.42	84	.12	2	1.87	.01	.10	1	1
L1400N 4750E	1	126	3	91	.3	88	25	574	4.32	18	5	ND	3	46	1	2	2	62	.57	.067	7	176	1.92	55	.16	2	2.14	.01	.28	1	1
L1400N 4800E	1	38	9	121	.2	51	12	243	3.02	16	5	ND	3	30	1	2	2	44	.27	.090	10	83	.99	97	.07	2	1.77	.01	.09	1	1
L1400N 4850E	1	55	11	281	2.1	50	14	489	3.40	14	5	ND	3	22	1	2	2	56	.11	.045	10	57	.87	289	.03	2	2.62	.01	.10	1	1
L1400N 4900E	2	44	6	154	.3	34	9	738	2.35	30	5	ND	2	32	1	5	2	37	.23	.048	12	37	.45	339	.02	2	1.56	.01	.10	1	2
L1400N 4950E	1	83	9	160	.2	49	17	942	4.11	27	5	ND	2	54	1	2	2	59	.29	.067	7	58	.87	251	.02	2	2.91	.01	.10	1	1
L1400N 5000E	1	62	6	179	1.1	33	10	1257	2.53	11	5	ND	2	48	1	2	2	46	.25	.081	13	49	.78	343	.02	3	1.88	.01	.12	1	1
L1200N 4200E	2	45	10	151	.7	50	14	323	4.32	32	5	ND	4	34	1	2	2	57	.25	.242	9	114	1.04	120	.07	4	1.94	.01	.07	1	4
L1200N 4250E	2	53	10	192	.4	27	22	548	4.93	87	5	ND	2	33	1	2	2	79	.27	.146	7	46	1.07	132	.04	3	2.88	.01	.07	1	1
L1200N 4300E	1	48	14	128	.2	23	19	564	4.17	55	5	ND	2	57	1	2	2	56	.45	.092	8	34	.96	318	.02	2	2.51	.01	.12	1	1
L1200N 4350E	1	69	6	93	.2	28	14	617	4.55	10	5	ND	2	45	1	2	2	54	.42	.051	8	36	1.29	126	.03	4	2.76	.01	.11	1	1
L1200N 4400E	2	34	7	96	.1	44	11	469	2.61	15	5	ND	3	45	1	2	2	39	.35	.075	11	90	.92	144	.08	2	1.38	.01	.06	1	2
L1200N 4450E	2	31	7	80	.4	42	10	341	2.42	14	5	ND	3	44	1	2	2	41	.38	.060	9	87	.84	100	.08	2	1.30	.01	.06	1	23
L1200N 4500E	2	60	9	93	.2	68	13	446	3.11	22	5	ND	4	37	1	2	2	42	.33	.050	12	113	1.05	112	.08	2	1.44	.01	.12	1	3
L1200N 4550E	1	55	7	86	.3	75	15	327	3.02	12	5	ND	2	39	1	2	2	51	.30	.033	6	128	1.33	57	.15	3	1.72	.01	.07	1	1
L1200N 4600E	2	91	7	98	.2	86	18	503	3.67	16	5	ND	3	47	1	2	2	56	.42	.049	8	147	1.51	68	.14	3	1.84	.01	.15	1	7
L1200N 4650E	2	56	5	118	.2	68	18	375	3.11	15	5	ND	2	37	1	2	2	47	.27	.073	6	111	1.16	95	.11	2	1.66	.01	.08	1	20
L1200N 4700E	1	83	6	82	.4	84	19	586	3.75	15	5	ND	3	52	1	2	2	56	.47	.074	9	135	1.40	86	.12	2	1.93	.01	.14	1	1
L1200N 4750E	1	26	7	90	.2	42	11	306	2.39	8	5	ND	3	30	1	2	2	41	.21	.050	10	79	.78	107	.10	2	1.35	.01	.08	1	1
L1200N 4800E	2	44	5	86	.2	55	13	258	2.95	15	5	ND	3	29	1	2	2	45	.25	.043	11	104	1.10	68	.10	2	1.60	.01	.08	1	1
L1200N 4850E	1	21	2	182	.5	27	8	371	2.16	11	5	ND	2	24	1	2	2	46	.17	.054	9	51	.57	163	.04	3	1.67	.01	.07	1	1
L1200N 4900E	1	59	8	215	.3	40	9	1050	2.66	90	5	ND	2	67	1	8	2	28	.41	.106	10	27	.40	332	.01	3	1.37	.01	.10	1	175
L1200N 4950E	1	27	2	136	.4	32	7	274	2.18	19	5	ND	3	61	1	3	2	31	.44	.071	11	47	.56	156	.02	5	1.28	.01	.10	1	1
L1200N 5000E	2	46	9	142	.2	34	7	217	2.31	26	5	ND	3	36	1	3	2	25	.09	.048	20	23	.31	234	.01	2	1.14	.01	.07	1	1
L1000N 4200E	16	108	12	124	1.0	119	32	8572	11.84	95	20	ND	4	132	2	2	2	51	1.40	.087	8	141	1.23	426	.04	6	1.95	.01	.17	1	4
L1000N 4300E	1	14	2	8	.1	31	2	1151	.41	6	11	ND	2	533	1	2	2	3	36.54	.013	2	6	.16	93	.01	2	.12	.01	.01	2	1
STD C/AU-S	19	61	40	131	7.4	67	27	1035	4.02	37	22	7	39	50	19	18	20	58	.49	.085	37	59	.87	181	.08	36	1.88	.06	.13	13	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L1000N 4350E	19	23	2	96	.2	62	6	442	6.43	18	5	ND	1	519	3	2	2	3	19.73	.011	2	10	.16	97	.01	4	.01	.01	.01	1	1
L1000N 4400E	3	82	5	93	1.4	96	15	1301	3.03	18	5	ND	3	92	2	2	2	42	.89	.045	7	141	.94	142	.06	3	1.48	.01	.09	1	1
L1000N 4450E	2	42	4	74	.4	49	14	549	2.88	11	5	ND	3	53	1	2	2	45	.52	.089	6	99	1.02	66	.11	5	1.24	.01	.09	1	1
L1000N 4500E	2	65	12	112	.9	75	17	651	3.74	13	5	ND	3	68	1	2	2	53	.56	.064	8	138	1.40	83	.10	2	1.87	.01	.09	1	1
L1000N 4550E	2	51	5	84	.2	51	13	612	2.81	13	5	ND	2	42	1	2	2	44	.35	.057	7	95	.99	99	.10	2	1.27	.01	.06	1	1
L1000N 4600E	2	88	8	87	2.2	83	14	948	3.82	21	5	ND	4	123	2	2	2	51	1.31	.024	8	241	.82	154	.10	7	2.03	.01	.09	1	2
L1000N 4650E	2	61	9	149	.4	80	21	635	4.03	11	5	ND	2	45	1	2	2	67	.43	.066	5	177	1.74	76	.15	6	2.23	.01	.10	1	1
L1000N 4700E	2	28	7	93	.7	40	9	201	2.63	13	5	ND	3	27	2	2	2	41	.21	.066	10	83	.74	72	.07	6	1.33	.01	.05	1	1
L1000N 4750E	2	23	12	96	.4	30	8	787	2.29	14	5	ND	3	24	1	2	2	31	.19	.047	14	61	.56	71	.05	2	.86	.01	.06	1	1
L1000N 4800E	2	60	11	151	.3	80	14	339	3.30	15	5	ND	4	29	1	2	2	43	.21	.086	11	153	1.31	95	.09	4	1.79	.01	.08	1	1
L1000N 4850E	2	48	6	131	.4	45	9	283	2.70	15	5	ND	4	25	1	2	2	34	.18	.081	12	70	.82	115	.04	6	1.49	.01	.08	1	2
L1000N 4900E	1	28	6	104	.4	54	11	324	2.56	9	5	ND	3	32	1	2	2	43	.22	.060	9	107	.99	75	.09	5	1.42	.01	.07	1	1
L1000N 4950E	1	14	5	109	.4	25	7	176	1.67	4	5	ND	3	36	1	2	2	30	.25	.038	10	55	.58	87	.07	3	1.09	.01	.06	1	1
L1000N 5000E	2	39	10	175	.7	46	12	732	2.87	18	5	ND	3	73	1	2	2	40	.47	.129	8	85	.81	197	.06	4	1.50	.01	.09	1	4
L1000N 5050E	2	50	13	107	.2	53	12	351	3.32	54	5	ND	4	34	1	3	2	43	.29	.053	9	97	.98	58	.07	2	1.36	.01	.07	1	1
L1000N 5100E	2	35	11	80	.2	53	12	338	3.01	13	5	ND	4	32	1	2	3	47	.23	.082	10	116	1.09	79	.10	4	1.48	.01	.08	1	1
L1000N 5150E	2	39	7	150	.5	87	18	395	3.45	12	5	ND	3	31	1	2	2	56	.25	.071	8	134	1.27	72	.11	2	1.94	.01	.06	1	1
L1000N 5200E	3	234	7	72	1.9	104	13	1493	4.49	34	5	ND	1	134	3	3	2	63	14.98	.049	6	109	.81	177	.05	5	1.42	.01	.09	5	1
L1000N 5250E	1	46	10	133	.2	81	21	778	3.16	3	5	ND	2	63	1	2	2	64	.50	.045	3	170	1.54	168	.22	7	1.90	.01	.13	1	1
L1000N 5300E	1	66	11	94	.3	101	25	1175	4.56	3	5	ND	2	53	1	2	2	91	.52	.088	4	209	1.74	198	.19	5	2.54	.01	.11	1	1
L1000N 5350E	1	71	13	89	.2	61	20	477	3.50	9	5	ND	2	50	1	2	2	76	.35	.046	5	106	1.08	75	.16	3	2.33	.01	.05	1	44
L1000N 5400E	1	59	8	108	.3	41	20	606	4.15	11	5	ND	1	112	1	2	2	78	.55	.043	3	61	1.30	55	.18	2	2.43	.01	.05	1	1
L1000N 5450E	2	91	13	79	.2	151	33	497	5.67	9	5	ND	2	30	1	2	2	101	.55	.055	2	398	3.07	23	.15	8	3.33	.01	.05	1	1
L1000N 5500E	1	26	9	79	.2	36	10	213	3.68	9	5	ND	3	26	1	2	2	86	.23	.055	6	103	.82	38	.13	2	1.92	.01	.04	1	1
L1000N 5550E	1	50	9	115	.3	80	21	527	6.04	3	5	ND	2	32	1	2	2	137	.34	.129	3	203	2.03	142	.20	2	2.95	.01	.09	1	1
L1000N 5600E	2	103	9	99	.5	57	24	694	6.65	7	5	ND	3	75	2	2	2	131	.37	.112	3	140	2.10	132	.17	6	2.79	.01	.42	1	1
L1000N 5650E	2	63	11	195	.4	60	24	440	5.00	8	5	ND	3	42	1	2	2	62	.47	.247	4	118	1.45	164	.15	2	2.37	.01	.13	1	1
L1000N 5700E	2	106	8	70	.2	63	27	504	4.73	2	5	ND	1	56	1	2	2	62	.64	.047	2	96	1.72	45	.20	2	2.41	.01	.39	1	2
L1000N 5750E	1	35	9	52	.2	38	15	263	3.39	4	5	ND	2	34	2	2	2	58	.39	.031	3	88	1.08	34	.24	4	1.88	.01	.05	1	1
L1000N 5800E	1	42	4	105	.2	37	22	877	4.68	4	5	ND	2	103	1	2	2	87	.69	.067	2	65	2.10	123	.38	6	2.88	.01	.20	1	1
L800N 4200E	2	19	8	102	.4	21	7	219	2.61	17	5	ND	3	20	1	2	2	38	.25	.136	8	37	.44	100	.04	2	1.33	.01	.06	1	1
L800N 4250E	3	50	13	132	.5	39	12	252	3.85	62	5	ND	3	19	1	2	2	42	.14	.073	9	61	.85	96	.04	2	1.78	.01	.05	1	10
L800N 4300E	2	37	12	163	.2	34	13	264	3.92	64	5	ND	3	17	1	2	2	42	.13	.078	8	60	.77	100	.05	3	1.71	.01	.05	1	1
L800N 4350E	7	74	9	194	.8	38	11	269	5.21	207	5	ND	3	18	1	2	2	63	.10	.098	7	46	.82	132	.01	2	1.87	.01	.05	1	1
L800N 4400E	11	93	10	131	.3	39	14	269	7.03	183	5	ND	3	22	1	5	2	52	.17	.034	12	38	.69	155	.01	2	1.91	.01	.05	1	1
L800N 4450E	2	40	7	54	1.2	30	11	169	3.56	123	5	ND	2	57	2	2	2	50	.67	.028	8	65	.55	169	.02	3	1.79	.01	.07	1	1
STD C/AU-S	18	60	39	132	7.2	68	27	1032	4.12	38	23	8	39	50	18	19	20	58	.48	.082	37	64	.86	180	.08	33	1.89	.06	.13	11	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L800N 4500E	4	49	2	89	.6	35	11	198	4.65	45	5	ND	5	20	1	2	2	61	.16	.027	10	59	.75	133	.05	2	2.02	.01	.05	1	1
L800N 4550E	4	31	12	105	.3	39	11	188	4.60	51	5	ND	2	19	1	2	3	72	.13	.046	7	115	1.06	78	.05	2	2.04	.01	.04	1	2
L800N 4600E	2	70	10	67	.3	43	10	273	3.30	21	5	ND	2	33	1	2	3	49	.26	.041	7	80	.93	57	.10	2	1.28	.01	.04	1	39
L800N 4650E	1	22	2	88	.3	26	9	301	2.36	9	5	ND	1	24	1	2	3	44	.25	.115	6	55	.66	146	.11	2	1.38	.01	.05	1	2
L800N 4700E	1	45	3	88	.1	40	12	304	3.04	10	5	ND	2	22	1	2	3	45	.23	.040	7	63	.95	114	.11	2	1.73	.01	.06	1	1
L800N 4750E	1	35	4	79	.1	37	10	200	2.50	12	5	ND	3	25	1	2	2	43	.29	.034	8	66	.79	58	.07	2	1.42	.01	.05	1	1
L800N 4800E	2	47	7	118	.2	59	11	243	3.60	19	5	ND	4	23	1	2	6	52	.19	.066	11	118	1.23	63	.09	2	1.74	.01	.06	1	8
L800N 4850E	3	93	11	116	.3	76	17	674	4.27	32	5	ND	5	72	1	2	2	58	1.12	.082	12	123	1.40	75	.11	2	1.73	.01	.13	1	4
L800N 4900E	1	63	8	87	.1	104	21	420	4.01	11	5	ND	1	39	1	2	3	63	.49	.060	4	194	2.28	55	.18	2	2.64	.01	.09	1	1
L800N 4950E	2	68	9	256	.3	76	20	333	3.95	25	5	ND	2	37	1	2	3	55	.29	.091	6	114	1.21	63	.11	2	1.95	.01	.06	1	5
L800N 5000E	1	24	3	137	.2	41	12	288	2.86	9	5	ND	2	50	1	2	4	57	.43	.030	4	89	1.23	53	.24	2	1.81	.01	.03	1	4
L800N 5025E	1	33	6	128	.2	32	10	206	2.74	21	5	ND	1	28	1	2	2	43	.18	.058	6	64	.70	60	.07	2	1.52	.01	.04	1	9
L800N 5050E	2	99	5	82	.2	58	13	248	3.81	39	5	ND	4	26	1	2	3	37	.19	.044	11	91	.94	54	.06	2	1.50	.01	.06	1	15
L800N 5075E	1	27	4	79	.3	16	11	1157	3.43	55	5	ND	2	19	1	2	2	29	.11	.070	7	20	.29	95	.02	2	.89	.01	.06	1	11
L800N 5100E	1	24	7	80	.2	12	6	182	2.54	9	5	ND	3	13	2	2	3	35	.06	.038	9	31	.67	52	.01	2	1.40	.01	.06	1	1
L800N 5125E	1	80	9	132	.5	48	17	384	4.87	82	5	ND	2	28	1	2	2	32	.20	.090	6	36	.52	70	.02	2	1.10	.01	.05	1	17
L800N 5150E	1	108	9	103	.1	46	18	179	4.40	69	5	ND	3	22	1	2	2	31	.08	.075	9	40	.40	75	.01	2	1.31	.01	.05	1	46
L800N 5175E	2	54	7	124	.2	75	16	276	4.12	32	5	ND	1	71	1	2	2	91	.51	.057	4	144	1.33	55	.21	2	1.97	.01	.07	1	4
L800N 5200E	2	80	10	255	.3	81	20	439	4.11	18	5	ND	2	44	1	2	3	65	.35	.075	5	99	1.47	127	.12	2	2.42	.01	.10	1	1
L800N 5225E	1	49	6	176	.3	119	22	577	3.40	7	5	ND	1	62	1	2	3	67	.40	.042	3	220	1.70	87	.21	2	2.25	.01	.06	1	1
L800N 5250E	1	29	7	107	.1	151	24	784	3.61	3	5	ND	1	71	1	2	4	67	.51	.041	2	350	2.57	92	.25	2	2.48	.01	.04	1	1
L800N 5275E	1	86	9	99	.1	127	26	1030	5.18	2	5	ND	1	41	1	2	2	115	.57	.076	3	241	2.84	136	.25	2	2.80	.01	.36	1	3
L800N 5300E	1	82	5	84	.1	131	21	440	3.74	2	5	ND	1	46	1	2	3	77	.47	.050	2	273	2.08	103	.25	2	2.44	.01	.10	1	1
L800N 5325E	1	73	8	60	.1	94	20	447	3.25	3	5	ND	1	76	1	2	2	68	.59	.037	2	178	1.57	105	.27	2	2.15	.01	.08	1	1
L800N 5350E	1	77	9	74	.1	124	24	475	4.60	3	5	ND	1	49	1	2	3	96	.47	.061	3	233	2.28	170	.25	2	2.84	.01	.09	1	1
L800N 5375E	1	80	8	84	.1	153	30	613	6.57	2	5	ND	2	23	1	2	2	159	.45	.053	4	278	4.02	179	.26	2	3.66	.01	.21	1	1
L800N 5400E	1	52	6	84	.2	128	24	784	4.70	2	5	ND	1	26	1	2	3	104	.50	.043	2	264	2.41	204	.32	2	2.80	.01	.07	1	2
L800N 5425E	1	151	8	115	.2	90	27	760	6.80	7	5	ND	2	18	1	2	2	194	.31	.056	5	187	3.30	72	.23	2	3.51	.01	.11	1	1
L800N 5450E	1	87	12	76	.2	45	18	399	4.76	20	5	ND	2	31	1	2	2	122	.45	.041	6	98	1.13	101	.10	2	2.80	.01	.12	1	33
L800N 5475E	1	79	6	137	.3	56	18	1057	3.04	9	5	ND	2	35	1	2	4	62	.24	.030	6	106	1.02	114	.12	2	2.05	.01	.05	1	35
L800N 5500E	1	73	10	120	.2	105	28	561	4.98	12	5	ND	2	36	1	2	2	121	.49	.035	4	241	2.63	35	.16	2	2.86	.01	.06	1	3
L800N 5525E	1	33	8	100	.1	171	24	497	3.98	2	5	ND	1	39	1	2	2	62	.46	.084	2	424	2.68	58	.23	2	2.79	.01	.06	1	1
L800N 5550E	1	99	9	100	.1	100	28	628	5.47	2	5	ND	2	108	1	2	2	91	.47	.087	2	169	2.09	77	.21	2	3.00	.01	.08	1	1
L800N 5575E	1	83	6	84	.2	38	18	488	4.65	2	5	ND	2	109	1	2	2	81	.63	.061	3	59	1.62	64	.29	3	2.49	.01	.06	1	1
L800N 5600E	1	107	9	117	.1	50	30	657	5.61	2	5	ND	1	39	1	2	2	69	.60	.060	2	52	1.80	36	.36	2	3.00	.01	.07	1	2
L800N 5625E	1	53	6	99	.1	100	25	496	4.99	4	5	ND	2	49	1	2	2	90	.49	.125	2	204	2.15	158	.18	2	2.78	.01	.25	1	1
STD C/AU-S	17	60	40	130	7.2	68	27	1026	4.10	39	21	7	39	50	19	17	21	58	.48	.085	37	63	.86	179	.08	33	1.86	.06	.13	10	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L800N 5650E	3	78	6	85	.1	104	21	485	5.38	11	5	ND	4	24	1	2	2	105	.45	.134	5	193	2.37	61	.12	2	2.92	.01	.11	1	1
L800N 5675E	2	41	6	147	.1	34	21	954	4.70	3	5	ND	1	32	1	2	2	54	.53	.084	2	47	1.51	101	.27	2	2.57	.01	.04	1	1
L800N 5700E	5	71	7	112	.3	81	18	564	4.93	28	5	ND	4	37	1	2	2	67	.37	.056	8	151	1.43	106	.12	4	2.36	.01	.16	1	2
L800N 5725E	3	70	10	141	.7	91	19	459	4.32	24	5	ND	3	36	2	2	2	65	.36	.027	8	132	1.44	97	.12	2	2.18	.01	.17	1	1
L800N 5750E	3	59	10	118	.2	80	18	406	3.83	18	5	ND	2	35	1	2	2	64	.26	.031	7	119	1.36	77	.13	2	2.11	.01	.07	1	1
L800N 5775E	2	56	12	137	.3	74	17	489	3.73	5	5	ND	2	39	2	2	2	68	.31	.050	5	131	1.58	99	.18	2	2.27	.01	.07	1	1
L800N 5800E	3	82	11	168	.8	140	24	579	4.65	18	5	ND	3	41	2	2	2	74	.42	.031	7	184	1.87	105	.16	2	2.79	.01	.16	1	1
L700N 4200E	2	19	4	97	.1	20	6	180	2.08	8	5	ND	2	12	1	2	2	41	.13	.044	6	37	.57	133	.03	2	1.27	.01	.05	1	1
L700N 4250E	1	17	4	74	.1	23	7	138	1.81	11	5	ND	3	14	1	2	2	27	.14	.032	8	29	.45	69	.04	2	1.00	.01	.06	2	1
L700N 4300E	2	20	4	110	.2	25	7	189	2.38	11	5	ND	2	14	1	2	2	31	.13	.052	8	38	.45	97	.05	2	1.38	.01	.05	1	1
L700N 4350E	3	32	8	93	.4	24	6	149	3.43	47	5	ND	2	12	1	2	2	39	.08	.068	7	44	.57	71	.03	2	1.39	.01	.05	1	7
L700N 4400E	4	52	7	110	.4	35	8	230	3.67	30	5	ND	3	15	1	2	2	40	.19	.064	8	41	.58	106	.03	2	1.60	.01	.05	1	4
L700N 4450E	3	50	6	107	.7	36	12	374	3.58	23	5	ND	2	29	1	2	2	46	.23	.035	7	60	.87	76	.09	2	1.59	.01	.06	1	1
L700N 4500E	3	52	10	95	.3	35	10	199	3.88	31	5	ND	2	22	1	2	2	39	.22	.051	8	56	.67	58	.05	2	1.61	.01	.05	2	5
L700N 4550E	3	102	7	90	.2	54	16	482	3.92	30	5	ND	4	32	2	2	2	45	.36	.066	12	72	1.04	70	.09	4	1.57	.01	.12	1	10
L700N 4600E	7	76	6	143	.2	29	6	126	3.50	43	5	ND	2	16	1	4	2	69	.10	.039	8	32	.39	40	.08	2	.84	.01	.04	1	1
L700N 4650E	4	49	4	115	.3	34	8	192	2.76	24	5	ND	2	41	1	2	2	44	.46	.043	6	46	.56	68	.06	2	1.07	.01	.06	1	4
L700N 4700E	3	88	7	94	.4	70	16	696	3.74	29	5	ND	2	61	1	2	2	49	.70	.070	8	116	1.22	76	.07	2	1.51	.01	.10	1	1
L700N 4750E	4	108	9	127	.4	68	16	478	4.08	33	5	ND	2	45	1	2	2	45	.44	.074	9	86	1.07	85	.05	2	1.61	.01	.09	1	5
L700N 4800E	1	65	6	135	.3	49	22	568	3.59	8	5	ND	1	64	1	2	2	54	.70	.116	2	110	1.85	33	.24	2	2.34	.01	.03	1	4
L700N 4850E	3	66	2	128	.3	42	10	341	3.49	35	5	ND	2	29	1	5	2	26	.20	.095	12	40	.36	87	.03	2	1.02	.01	.04	1	1
L700N 4900E	3	95	14	171	.4	55	14	294	4.77	54	5	ND	3	34	2	5	2	34	.15	.091	11	51	.65	88	.02	2	1.54	.01	.04	1	8
L700N 4950E	4	82	8	215	.5	56	15	334	4.26	17	5	ND	3	34	2	2	2	61	.33	.082	7	78	1.25	74	.10	3	2.17	.01	.06	1	1
L700N 5000E	3	93	8	247	.5	75	16	300	4.08	22	5	ND	3	22	2	2	3	55	.18	.043	9	129	1.54	100	.08	2	2.28	.01	.06	1	1
L700N 5025E	8	140	15	423	.3	59	12	245	5.21	57	5	ND	3	22	2	2	2	54	.09	.069	11	54	1.19	124	.01	2	2.29	.01	.05	1	4
L700N 5050E	9	162	14	419	1.0	62	13	429	5.15	83	5	ND	3	34	4	3	3	52	.15	.063	8	56	1.20	103	.01	2	2.08	.01	.05	1	6
L700N 5075E	4	94	5	253	.3	39	12	401	4.35	144	5	ND	3	20	2	2	2	32	.10	.052	9	35	.73	182	.01	2	1.59	.01	.07	1	58
L700N 5100E	2	107	12	158	.2	41	22	774	7.31	134	5	ND	3	37	2	2	2	28	.20	.113	8	20	.37	133	.02	2	1.56	.01	.08	1	71
L700N 5125E	4	109	9	89	.1	46	13	527	5.91	63	5	ND	4	28	1	2	2	50	.17	.070	9	59	.87	82	.01	2	1.78	.01	.07	1	4
L700N 5150E	2	223	11	102	.6	78	26	1001	7.00	232	5	ND	5	57	1	2	2	45	.54	.079	8	99	1.20	69	.07	3	1.53	.01	.10	1	63
L700N 5175E	1	37	3	68	.1	40	13	287	3.10	18	5	ND	2	60	1	2	2	54	.44	.043	5	79	1.04	82	.13	2	1.79	.01	.09	1	1
L700N 5200E	5	431	5	92	.1	28	25	611	7.55	67	5	ND	4	29	1	2	2	71	.17	.097	7	37	.63	98	.01	2	2.40	.01	.07	1	4
L700N 5225E	1	52	7	53	.2	10	8	353	3.34	28	5	ND	5	10	1	2	2	28	.10	.097	11	8	.29	63	.01	2	1.15	.01	.05	1	1
L700N 5250E	4	43	10	193	.8	37	9	230	3.32	31	5	ND	3	19	1	2	2	62	.12	.102	10	50	.68	129	.04	2	1.85	.01	.06	1	1
L700N 5275E	1	55	13	232	.3	39	15	443	4.72	46	5	ND	2	13	1	2	2	84	.09	.120	7	72	1.25	142	.03	2	2.72	.01	.05	1	51
L700N 5300E	4	33	7	172	.5	24	7	267	3.04	31	5	ND	4	15	1	2	2	52	.13	.120	16	25	.36	161	.01	2	1.54	.01	.08	1	3
STD C/AU-S	18	60	36	129	6.9	67	27	1023	4.12	40	19	8	38	50	17	17	20	57	.48	.085	37	60	.86	180	.08	37	1.87	.06	.13	10	49

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
L700N 5325E	1	23	5	92	.1	80	16	344	2.54	3	5	ND	1	65	1	2	2	53	.41	.081	2	172	1.30	62	.25	2	1.68	.01	.06	1	1
L700N 5350E	1	37	2	105	.1	273	31	485	4.47	2	5	ND	2	30	1	2	2	73	.38	.108	2	535	3.78	87	.21	3	3.47	.01	.06	1	1
L700N 5375E	1	79	4	104	.1	120	25	494	4.67	2	5	ND	2	76	1	2	2	91	.69	.109	2	227	2.25	138	.27	2	2.63	.01	.31	1	3
L700N 5400E	1	81	6	92	.1	80	20	394	4.21	5	5	ND	2	30	1	2	2	76	.27	.143	4	157	1.67	154	.15	4	2.39	.01	.07	1	16
L700N 5425E	1	106	5	91	.1	92	25	617	5.68	2	5	ND	2	46	1	2	2	114	.55	.064	3	200	2.72	246	.20	2	3.04	.01	.12	1	1
L700N 5450E	1	66	6	96	.1	133	28	991	5.81	2	5	ND	2	37	1	2	2	123	.52	.080	3	246	3.12	208	.17	2	3.36	.01	.15	1	3
L700N 5475E	1	116	3	59	.1	79	24	534	4.94	2	5	ND	1	71	1	2	2	112	.55	.021	2	210	2.03	173	.23	2	2.69	.01	.15	1	1
L700N 5500E	1	140	12	85	.1	77	29	903	6.73	2	5	ND	2	57	1	2	2	164	.58	.052	3	136	2.26	124	.21	2	2.97	.01	.43	1	21
L700N 5525E	2	210	27	144	.5	43	36	726	4.90	46	5	ND	2	57	1	2	2	89	.73	.087	4	51	.97	86	.08	4	2.55	.01	.09	1	76
L700N 5550E	3	221	9	106	.3	54	28	792	5.13	33	5	ND	2	39	1	2	2	109	.31	.054	5	103	1.17	58	.16	2	2.65	.01	.04	1	28
L700N 5575E	1	118	6	58	.1	139	31	546	4.88	11	5	ND	1	35	1	2	2	88	.55	.035	2	322	2.88	28	.23	2	3.11	.01	.19	1	1
L700N 5600E	1	101	8	61	.1	170	29	531	4.56	2	5	ND	1	27	1	2	2	77	.40	.034	2	467	3.13	34	.30	2	3.32	.01	.05	1	1
L700N 5625E	1	104	3	81	.1	57	33	620	5.43	13	5	ND	2	37	1	2	2	74	.52	.041	2	76	2.30	61	.35	2	3.03	.01	.24	1	1
L700N 5650E	2	84	9	98	.5	75	12	221	3.08	24	5	ND	4	15	1	2	2	43	.18	.020	11	92	.98	74	.08	2	1.54	.01	.07	1	1
L700N 5675E	2	34	5	101	.5	51	9	194	3.06	18	5	ND	4	14	1	2	2	45	.15	.070	11	98	.96	76	.08	4	1.49	.01	.06	1	1
L700N 5700E	1	55	6	92	.1	51	17	421	3.80	8	5	ND	1	37	1	2	2	53	.46	.066	4	124	1.79	55	.23	2	2.18	.01	.07	1	1
L700N 5725E	1	102	6	87	.1	93	25	626	5.05	10	5	ND	2	42	1	2	2	96	.48	.060	3	194	2.28	137	.20	2	2.74	.01	.15	1	1
L700N 5750E	2	69	10	98	.8	60	17	2109	3.25	17	5	ND	2	77	2	3	2	47	1.22	.077	4	102	1.05	186	.05	5	1.60	.01	.10	1	1
L700N 5775E	1	73	3	73	.3	61	17	433	3.35	9	5	ND	1	57	1	2	2	50	.96	.050	3	122	1.54	75	.18	2	1.92	.01	.09	1	1
L700N 5800E	3	50	8	192	1.9	59	13	443	3.53	29	5	ND	4	45	2	3	2	46	.63	.030	10	87	.67	150	.07	5	1.69	.01	.12	1	1
L600N 4200E	2	37	3	106	.1	25	7	180	2.85	32	5	ND	3	12	1	5	2	32	.11	.048	8	30	.50	97	.03	2	1.10	.01	.04	1	5
L600N 4250E	2	29	4	149	.4	22	8	214	3.19	14	5	ND	3	18	1	3	2	45	.13	.056	7	33	.66	79	.04	3	1.45	.01	.05	1	1
L600N 4300E	3	43	8	195	.4	28	9	358	3.58	18	5	ND	2	25	1	2	2	65	.40	.071	6	32	.85	141	.07	2	2.08	.01	.06	1	1
L600N 4350E	3	49	10	85	2.6	29	6	368	2.36	25	6	ND	2	45	1	2	2	32	.80	.055	9	39	.64	159	.04	2	1.97	.01	.06	1	2
L600N 4400E	1	43	8	90	.1	40	10	226	2.71	48	5	ND	4	17	1	91	2	28	.17	.054	11	47	.66	70	.05	2	1.26	.01	.06	1	7
L600N 4450E	2	27	9	157	.4	28	10	206	3.24	31	5	ND	3	19	1	3	2	37	.22	.147	9	45	.55	96	.04	2	1.34	.01	.05	1	1
L600N 4500E	2	80	3	123	.1	54	13	230	4.46	31	5	ND	3	17	1	2	2	54	.17	.089	7	102	1.06	68	.07	2	1.89	.01	.07	1	6
L600N 4550E	1	41	7	131	1.4	43	13	3896	3.18	16	5	ND	2	25	1	2	2	48	.24	.068	6	94	1.08	145	.09	5	1.66	.01	.04	1	1
L600N 4600E	2	48	9	221	.8	38	13	274	3.39	21	5	ND	3	19	1	2	2	40	.16	.059	8	58	.69	84	.07	2	1.68	.01	.05	1	9
L600N 4650E	3	65	7	151	.6	41	11	254	3.47	24	5	ND	3	21	1	2	2	40	.19	.097	8	55	.80	86	.04	4	1.52	.01	.06	1	13
L600N 4700E	5	119	11	197	.4	49	13	274	3.78	27	5	ND	4	28	2	3	2	42	.23	.081	9	60	.96	69	.09	2	1.74	.01	.07	1	8
L600N 4750E	4	53	12	1417	1.5	75	14	865	3.42	14	5	ND	4	37	2	3	2	41	.42	.053	12	51	.80	74	.07	2	1.70	.01	.05	1	6
L600N 4800E	3	43	6	130	.4	54	21	718	4.74	15	5	ND	3	37	1	2	2	66	.29	.020	4	128	1.61	49	.21	4	2.31	.01	.03	1	1
L600N 4850E	1	31	8	72	.2	25	7	220	2.63	13	5	ND	3	21	1	2	2	37	.18	.079	7	50	.52	36	.06	3	1.01	.01	.05	1	1
L600N 4900E	1	42	9	127	.4	41	13	419	2.73	11	5	ND	3	37	1	2	2	38	.37	.055	6	62	.80	74	.09	3	1.22	.01	.07	1	1
L600N 4950E	1	104	6	102	.3	68	19	520	3.97	16	5	ND	2	47	1	2	2	57	.49	.106	5	129	1.60	129	.11	2	1.80	.01	.19	1	21
STD C/AU-S	18	59	38	132	7.1	68	28	1043	4.16	39	23	7	39	51	17	17	19	59	.49	.088	38	59	.86	182	.08	34	1.90	.06	.13	10	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUM PPB
L600N 5000E	1	52	6	174	.3	40	15	332	3.82	22	5	ND	2	28	1	2	2	54	.25	.056	6	71	1.11	85	.09	2	1.73	.01	.05	1	1
L600N 5025E	3	118	11	161	.5	37	22	460	5.77	59	5	ND	4	17	2	2	2	48	.17	.048	10	48	1.51	63	.03	4	2.27	.01	.05	1	6
L600N 5050E	8	176	13	407	.7	74	15	455	5.06	49	5	ND	4	27	3	5	2	47	.17	.149	10	55	1.14	134	.01	2	1.94	.01	.06	1	8
L600N 5075E	4	56	12	438	1.4	42	10	311	4.09	37	5	ND	3	46	3	2	2	46	.18	.175	11	42	.94	137	.02	2	1.95	.01	.09	1	5
L600N 5100E	4	141	8	179	.9	42	12	542	5.05	145	5	ND	5	34	2	2	2	47	.34	.069	10	45	1.29	59	.01	3	1.82	.01	.07	1	39
L600N 5125E	4	80	9	308	.3	53	15	688	4.45	71	5	ND	3	22	2	2	2	64	.13	.048	7	57	1.02	187	.01	2	2.28	.01	.10	1	21
L600N 5150E	2	63	12	144	.3	36	14	974	4.09	72	5	ND	2	39	2	2	2	50	.30	.065	6	44	.94	140	.01	2	1.91	.01	.21	1	96
L600N 5175E	1	94	7	49	.1	18	13	205	3.94	39	5	ND	4	23	1	2	2	39	.15	.036	7	31	.86	96	.01	2	1.77	.01	.08	1	111
L600N 5200E	1	32	7	57	.1	19	11	627	4.15	49	5	ND	2	44	1	2	2	32	.28	.058	7	28	.30	113	.01	2	1.12	.01	.09	1	1
L600N 5225E	1	52	7	60	.1	23	12	410	4.62	77	5	ND	3	67	1	2	2	35	.31	.040	7	18	.33	156	.01	2	1.39	.01	.10	1	38
L600N 5250E	1	65	11	58	.2	25	14	218	4.61	110	5	ND	4	14	2	2	2	42	.09	.051	10	25	.48	194	.01	2	1.92	.01	.06	1	45
L600N 5275E	2	270	11	90	.7	30	33	1449	8.02	149	5	ND	2	54	1	2	2	49	.40	.105	6	24	.68	138	.01	2	1.78	.01	.07	1	33
L600N 5300E	1	39	6	96	.2	20	9	368	3.68	64	5	ND	1	11	1	2	2	46	.05	.090	5	19	.13	95	.01	2	1.13	.01	.05	1	16
L600N 5325E	2	60	8	198	.4	58	13	439	3.89	44	5	ND	2	19	2	2	2	71	.12	.055	6	93	1.14	158	.03	2	2.33	.01	.06	1	2
L600N 5350E	2	45	7	246	.5	35	10	349	3.64	20	5	ND	3	25	1	2	2	65	.25	.083	7	42	.98	150	.06	2	2.15	.01	.10	1	1
L600N 5375E	1	76	2	126	.4	147	25	846	4.28	17	5	ND	2	19	1	2	2	92	.23	.093	4	309	2.51	66	.16	2	2.90	.01	.03	1	2
L600N 5400E	1	100	10	69	.3	171	31	468	5.30	2	5	ND	1	89	1	2	2	106	.52	.065	2	329	2.83	47	.30	5	3.28	.01	.09	1	1
L600N 5425E	1	59	4	54	.1	100	18	323	3.17	2	5	ND	1	44	1	2	2	67	.40	.057	2	205	1.81	89	.25	2	2.09	.01	.08	1	1
L600N 5450E	1	36	2	70	.3	69	15	265	3.25	2	5	ND	2	45	1	2	2	65	.35	.152	3	153	1.03	101	.17	2	2.19	.01	.06	1	1
L600N 5475E	1	36	10	98	.3	82	16	475	4.04	6	5	ND	2	13	1	2	2	79	.18	.100	6	182	1.77	188	.12	2	2.13	.01	.06	1	2
L600N 5500E	1	31	8	90	.3	75	15	483	3.71	5	5	ND	2	12	1	2	2	73	.17	.087	7	170	1.64	180	.12	3	1.99	.01	.06	1	1
L600N 5525E	1	55	9	142	.3	46	11	257	3.41	17	5	ND	3	15	1	2	2	48	.16	.107	10	81	.70	95	.05	2	1.78	.01	.05	1	12
L600N 5550E	2	54	11	190	.5	55	22	707	4.46	14	5	ND	2	18	2	2	2	70	.15	.236	6	114	1.01	123	.06	2	2.22	.01	.05	1	1
L600N 5575E	3	31	9	92	1.7	36	8	1117	2.49	16	5	ND	2	23	1	2	2	36	.28	.077	13	62	.54	91	.06	3	.96	.01	.07	1	1
L600N 5600E	2	192	10	138	1.2	126	22	951	4.81	26	5	ND	3	59	2	2	2	68	.81	.064	8	169	1.79	141	.10	3	2.41	.01	.15	1	5
L600N 5625E	3	141	8	118	.7	98	21	1068	4.22	26	5	ND	3	31	2	2	2	71	.28	.080	10	158	1.15	151	.09	6	2.17	.01	.09	1	1
L600N 5650E	3	21	6	75	.2	44	8	210	2.87	11	5	ND	2	27	1	2	2	62	.18	.029	7	129	.90	62	.18	2	1.22	.01	.05	1	1
L600N 5675E	2	38	13	194	1.0	64	15	346	4.19	13	5	ND	3	28	1	2	2	65	.23	.120	6	133	1.39	86	.14	2	2.06	.01	.07	1	1
L600N 5700E	2	47	8	105	.4	53	12	303	3.46	11	5	ND	2	31	1	2	2	61	.23	.066	8	104	1.28	61	.14	2	1.78	.01	.06	1	1
L600N 5725E	3	65	9	105	.4	81	16	360	4.78	22	5	ND	3	35	2	2	2	77	.23	.193	5	135	1.48	87	.14	3	2.16	.01	.07	1	1
L600N 5750E	1	59	9	172	.1	51	17	534	4.58	6	5	ND	2	28	1	2	2	76	.33	.101	6	105	1.89	103	.18	2	2.65	.01	.16	1	1
L600N 5775E	11	191	18	285	5.0	168	24	2431	7.87	62	9	ND	5	83	4	2	2	78	.78	.083	13	156	1.13	306	.06	4	3.65	.01	.28	1	7
L600N 5800E	4	90	15	171	3.1	93	18	875	4.26	28	5	ND	3	71	3	2	2	55	.68	.048	13	115	.97	172	.05	4	2.18	.01	.12	1	4
L500N 4400E	3	84	7	127	.1	35	10	261	3.89	77	5	ND	4	16	1	13	2	33	.15	.102	11	36	.61	91	.03	3	1.22	.01	.07	1	19
L500N 4450E	3	52	8	153	.4	35	11	208	3.73	57	5	ND	3	18	2	2	2	42	.15	.092	10	44	.54	139	.04	2	1.53	.01	.07	1	16
L500N 4500E	4	49	9	125	.3	34	9	173	4.23	41	5	ND	4	17	1	2	2	53	.13	.164	9	47	.58	97	.05	2	1.55	.01	.06	1	33
STD C/AU-S	18	60	39	130	7.2	67	27	1032	4.08	40	22	7	39	50	18	20	18	58	.47	.087	37	60	.85	179	.08	33	1.85	.06	.13	13	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L500N 4550E	2	41	8	184	.8	39	9	358	3.59	26	5	ND	5	22	1	2	2	36	.19	.100	10	50	.60	151	.04	2	1.76	.01	.07	1	16
L500N 4600E	2	108	2	122	.5	38	11	283	3.20	18	5	ND	5	26	1	2	2	39	.22	.105	11	72	.86	74	.08	2	1.78	.01	.09	1	4
L500N 4650E	3	124	11	120	.8	38	13	546	4.73	19	5	ND	4	43	1	2	2	67	.25	.164	9	93	1.37	112	.09	2	2.45	.01	.10	1	3
L500N 4700E	4	38	9	198	.8	27	10	274	4.76	12	5	ND	4	20	1	2	2	62	.20	.178	9	43	.68	125	.05	3	2.48	.01	.06	1	1
L500N 4750E	9	80	15	424	1.6	43	11	352	4.47	17	5	ND	4	23	2	3	2	55	.12	.135	11	41	.65	149	.03	5	1.95	.01	.08	1	3
L500N 4800E	4	40	12	249	.8	25	17	362	4.62	19	5	ND	4	17	1	2	2	58	.13	.143	9	37	.89	158	.04	3	2.46	.01	.06	1	1
L500N 4850E	2	51	6	127	.2	33	11	396	3.50	21	5	ND	4	15	1	2	2	48	.16	.089	9	49	.91	81	.04	4	1.78	.01	.06	1	1
L500N 4900E	6	51	16	118	2.0	44	11	1174	3.41	21	5	ND	5	43	2	2	2	30	.41	.045	15	68	.83	86	.04	4	1.48	.01	.06	1	6
L500N 4950E	5	100	15	136	1.1	56	15	411	3.45	54	5	ND	7	148	1	6	2	22	3.09	.120	18	42	.51	92	.03	7	.86	.01	.12	1	29
L500N 5000E	3	107	11	120	.4	57	16	769	3.75	42	5	ND	5	57	1	3	2	36	.57	.091	16	60	.81	90	.06	3	1.27	.01	.12	1	23
L500N 5025E	2	64	10	136	.3	34	9	289	3.18	33	5	ND	3	33	1	6	2	29	.24	.088	13	29	.41	133	.01	2	1.05	.01	.06	1	3
L500N 5050E	3	151	11	115	.5	64	22	664	4.32	41	5	ND	6	47	1	2	2	51	.58	.081	15	86	1.26	53	.10	2	1.54	.01	.13	1	11
L500N 5075E	5	203	22	135	.4	72	22	668	5.59	106	5	ND	6	50	1	2	2	52	.45	.090	15	87	1.19	59	.08	3	1.49	.01	.10	1	28
L500N 5100E	4	109	9	131	.3	59	15	292	5.43	48	5	ND	3	32	1	2	2	120	.20	.046	6	141	1.98	74	.02	2	2.40	.01	.06	1	8
L500N 5125E	5	108	9	456	.4	65	14	289	4.30	32	5	ND	4	52	1	2	2	60	.25	.048	11	81	1.35	114	.05	4	2.03	.01	.07	1	4
L500N 5150E	2	72	11	204	.2	57	19	615	5.42	22	5	ND	3	18	1	2	2	83	.11	.076	6	90	1.87	176	.02	3	2.90	.01	.07	1	1
L500N 5175E	3	109	12	204	.5	53	15	582	5.24	28	5	ND	4	34	1	2	2	62	.32	.130	8	77	1.45	163	.02	4	2.23	.01	.08	1	3
L500N 5200E	6	166	17	325	.9	61	24	541	7.43	85	5	ND	4	23	1	2	2	85	.14	.092	8	121	1.74	80	.03	3	2.48	.01	.05	1	3
L500N 5225E	3	148	10	85	.5	38	16	438	5.46	51	5	ND	5	29	1	2	2	46	.17	.093	9	65	1.02	66	.04	6	1.45	.01	.09	1	56
L500N 5250E	2	183	9	72	.2	42	15	398	5.56	38	5	ND	6	21	1	2	2	68	.11	.056	12	72	1.60	71	.02	2	2.21	.01	.08	1	32
L500N 5275E	2	268	11	56	.5	35	28	540	6.60	62	5	ND	6	42	1	2	2	45	.26	.077	10	26	.87	103	.01	6	1.88	.01	.10	1	13
L500N 5300E	3	211	7	78	.2	62	27	459	7.58	77	5	ND	5	57	1	2	2	46	.29	.082	8	44	.49	133	.01	2	1.73	.01	.09	1	390
L500N 5325E	3	255	15	101	.3	60	32	590	10.49	200	5	ND	4	48	1	3	4	44	.16	.107	6	28	.37	97	.01	5	1.35	.01	.08	1	435
L500N 5350E	3	50	11	153	.3	63	23	458	5.56	68	5	ND	3	25	1	2	2	86	.14	.058	6	126	1.32	115	.04	3	2.42	.01	.07	1	26
L500N 5375E	2	75	10	78	.3	117	20	463	4.17	19	5	ND	3	31	1	2	2	78	.29	.091	7	233	2.44	37	.14	2	2.26	.01	.11	1	5
L500N 5400E	4	48	12	171	.8	35	15	437	4.61	36	5	ND	3	26	1	2	2	67	.17	.157	9	65	1.34	107	.02	2	2.01	.01	.11	1	6
L500N 5425E	3	107	9	235	.4	48	19	301	5.69	59	5	ND	3	24	1	2	2	92	.26	.122	8	75	1.45	90	.08	4	2.20	.01	.18	1	1
L500N 5450E	1	54	8	90	.1	206	32	545	4.50	8	5	ND	2	40	1	2	2	83	.50	.083	2	438	3.14	42	.23	3	3.09	.01	.07	1	1
L500N 5475E	2	82	5	99	.1	111	25	593	5.67	3	5	ND	2	39	1	2	2	125	.57	.130	2	218	2.68	140	.26	2	2.87	.01	.87	1	1
L500N 5500E	1	85	6	99	.1	109	24	571	5.60	4	5	ND	2	42	1	2	2	121	.61	.127	3	214	2.66	127	.27	2	2.84	.01	.81	1	1
L500N 5525E	3	160	11	124	.9	122	23	803	5.18	24	5	ND	3	50	1	2	2	93	.74	.099	6	204	2.03	149	.15	8	2.59	.01	.46	1	1
L500N 5550E	1	73	9	110	.3	53	23	479	3.73	11	5	ND	3	33	1	2	2	71	.32	.095	7	107	1.02	87	.11	4	2.16	.01	.09	1	81
L500N 5575E	2	201	14	89	.3	81	33	431	4.72	30	5	ND	4	46	1	2	2	95	.46	.041	6	125	1.32	52	.11	6	2.79	.01	.08	1	1
L500N 5600E	1	62	3	41	.2	27	15	275	2.40	8	5	ND	2	92	1	2	2	74	.52	.014	3	55	.69	72	.12	5	2.33	.01	.09	1	1
L500N 5625E	1	18	6	49	.2	15	10	265	1.67	3	5	ND	2	41	1	2	2	54	.41	.029	4	52	.47	66	.12	3	1.53	.01	.04	1	2
L500N 5650E	1	30	10	55	.5	59	11	274	3.51	7	5	ND	2	26	1	2	2	76	.20	.127	4	229	1.20	47	.11	2	1.67	.01	.06	1	1
STD C/AU-S	18	60	37	128	7.1	65	27	1011	4.06	37	21	8	38	49	17	18	21	57	.47	.084	37	59	.84	176	.08	38	1.84	.06	.13	13	47

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L500N 5675E	1	92	5	85	.1	43	12	351	3.91	11	5	ND	4	32	1	2	2	69	.33	.105	8	95	1.48	34	.14	3	2.08	.01	.07	1	1
L500N 5700E	1	50	6	97	.1	148	29	489	5.36	2	5	ND	2	20	1	2	2	96	.41	.100	2	327	3.64	175	.14	2	3.46	.01	.62	1	1
L500N 5725E	1	58	7	144	.1	49	18	545	3.81	4	5	ND	2	66	1	2	2	62	.51	.150	5	101	1.79	47	.24	2	2.48	.01	.05	1	1
L500N 5750E	1	95	4	119	.2	40	22	741	4.87	4	5	ND	1	57	1	2	2	88	.59	.102	3	88	2.89	74	.26	2	3.26	.01	.08	1	1
L500N 5775E	1	49	6	132	.2	299	33	604	5.06	6	5	ND	1	7	1	2	2	72	.20	.161	2	885	4.73	57	.17	3	4.04	.01	.02	1	3
L500N 5800E	1	30	13	62	.4	188	20	410	4.52	6	5	ND	2	16	1	2	2	86	.20	.026	3	569	3.46	36	.32	3	2.78	.01	.03	1	1
L400N 4500E	3	42	10	127	1.1	34	10	614	2.98	24	5	ND	2	22	1	2	2	38	.23	.044	12	61	.58	140	.04	2	1.49	.01	.10	1	5
L400N 4550E	1	30	5	100	.3	30	12	457	2.90	7	5	ND	1	62	1	2	2	55	.67	.095	3	56	1.39	105	.22	2	1.86	.01	.27	1	1
L400N 4600E	2	49	9	211	.7	42	13	353	3.63	37	5	ND	4	26	1	3	2	42	.26	.117	9	63	.80	154	.06	2	1.73	.01	.09	1	11
L400N 4650E	2	32	8	150	.7	30	10	225	3.84	27	5	ND	4	19	1	2	2	46	.15	.255	10	67	.73	126	.05	2	1.80	.01	.09	2	1
L400N 4700E	2	20	9	114	.4	22	7	178	3.24	10	5	ND	3	18	1	2	2	48	.13	.079	10	55	.60	110	.06	2	1.62	.01	.06	1	1
L400N 4750E	1	10	2	69	.5	13	6	651	1.77	3	5	ND	3	21	1	2	2	34	.21	.036	10	38	.64	90	.06	4	1.01	.01	.06	1	1
L400N 4800E	5	91	10	208	.8	55	15	434	4.16	28	5	ND	4	37	2	4	2	49	.20	.105	14	58	1.09	129	.03	2	1.95	.01	.07	1	3
L400N 4850E	5	112	10	277	.7	83	16	371	5.49	36	5	ND	4	28	1	2	2	71	.08	.054	16	111	1.88	190	.01	3	2.87	.01	.07	1	1
L400N 4900E	1	28	6	134	.2	20	10	305	3.41	27	5	ND	3	33	1	2	2	49	.35	.062	9	31	1.06	84	.02	2	1.95	.01	.07	1	3
L400N 4950E	1	16	9	86	.3	11	9	606	2.77	12	5	ND	2	29	1	2	2	54	.38	.052	7	26	1.28	87	.07	2	2.13	.01	.03	1	1
L400N 5025E	2	119	6	129	.2	64	20	277	3.82	21	5	ND	5	20	1	2	2	44	.16	.068	10	79	.98	102	.07	2	1.94	.01	.07	1	1
L400N 5050E	2	58	10	163	.5	42	14	275	4.30	20	5	ND	4	28	2	2	2	50	.19	.089	8	76	1.01	98	.07	4	2.29	.01	.06	1	1
L400N 5075E	1	32	8	148	.3	48	14	327	3.95	55	5	ND	1	23	1	2	2	78	.12	.096	5	130	1.38	116	.04	2	2.20	.01	.07	1	1
L400N 5100E	2	129	6	101	.2	71	18	281	4.97	45	5	ND	4	20	1	2	5	83	.13	.063	8	121	2.04	65	.02	5	2.51	.01	.07	1	1
L400N 5125E	2	134	11	154	.4	73	24	551	5.23	28	5	ND	3	28	1	2	2	88	.24	.057	9	100	1.90	98	.05	2	2.69	.01	.09	1	1
L400N 5150E	3	249	13	101	.7	50	26	847	6.09	40	5	ND	5	117	1	2	2	73	2.98	.076	20	64	1.81	69	.04	2	2.29	.01	.07	1	1
L400N 5175E	9	272	21	307	.9	85	23	216	8.14	151	5	ND	3	36	3	2	3	20	.20	.055	7	22	.35	48	.01	2	.72	.01	.08	1	22
L400N 5200E	5	86	14	231	.2	56	14	223	4.99	107	5	ND	3	33	1	2	2	47	.15	.052	9	59	.85	94	.01	3	1.64	.01	.08	1	1
L400N 5225E	2	73	11	277	.3	55	16	558	4.60	42	5	ND	3	32	1	2	2	62	.18	.057	11	71	1.11	157	.02	2	2.36	.01	.11	1	1
L400N 5250E	1	119	7	109	.1	17	15	650	4.40	15	5	ND	3	60	1	2	2	35	.31	.103	6	20	.95	183	.01	2	1.86	.01	.11	1	1
L400N 5275E	2	106	10	112	.3	29	17	571	5.16	13	5	ND	4	30	1	2	2	49	.24	.163	7	47	1.18	134	.04	2	2.49	.01	.07	1	1
STD C/AU-S	19	58	38	130	6.9	65	27	980	3.97	39	14	7	38	48	18	16	20	56	.46	.084	37	63	.90	159	.08	36	1.81	.06	.15	14	51
L400N 5300E	1	29	12	220	.4	134	24	400	5.31	15	5	ND	3	56	1	2	2	85	.41	.371	4	317	2.71	167	.13	2	3.31	.01	.07	1	1
L400N 5325E	1	122	7	97	.2	82	25	1014	4.59	37	5	ND	3	53	1	2	2	70	.42	.092	6	156	2.04	83	.10	2	2.29	.01	.06	1	1
L400N 5350E	2	56	6	112	.1	82	17	485	3.73	12	5	ND	2	37	1	2	2	63	.31	.090	7	170	1.70	90	.13	2	1.88	.01	.08	1	1
L400N 5375E	2	60	13	157	.5	62	18	842	4.18	31	5	ND	3	34	2	2	2	73	.26	.108	7	122	1.39	166	.08	4	2.02	.01	.11	1	2
L400N 5400E	1	76	7	238	.1	127	31	427	3.94	9	5	ND	2	42	1	2	2	71	.41	.065	5	204	2.12	89	.19	2	2.49	.01	.09	1	1
L400N 5425E	1	41	8	161	.2	90	26	1376	3.98	6	5	ND	2	66	1	2	2	71	.62	.060	4	153	2.19	204	.27	2	2.40	.01	.17	1	1
L400N 5450E	3	54	8	200	.4	71	14	422	3.48	14	5	ND	2	22	1	2	2	63	.20	.073	6	128	1.18	148	.11	3	1.95	.01	.11	1	1
L400N 5475E	1	25	10	78	.3	92	12	386	4.60	21	5	ND	1	12	1	2	2	116	.19	.081	4	313	2.73	56	.15	2	2.51	.01	.04	1	1
L400N 5500E	1	101	11	71	.2	126	28	608	6.17	3	5	ND	2	32	1	2	2	151	.54	.077	2	277	3.57	249	.27	2	3.20	.01	.57	1	1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	M PPM	AU# PPB
L400N 5525E	1	75	13	67	.1	113	23	429	4.64	2	5	ND	3	38	1	2	2	104	.35	.065	2	242	2.54	83	.23	2	2.61	.01	.16	1	4
L400N 5550E	2	69	14	75	.2	88	18	298	4.57	3	5	ND	3	48	1	2	2	93	.27	.138	3	184	1.66	201	.14	2	2.81	.01	.11	1	1
L400N 5575E	1	54	8	84	.1	46	20	483	3.59	2	5	ND	1	90	1	2	2	83	.70	.152	2	200	1.35	197	.16	2	1.94	.01	.12	1	1
L400N 5600E	2	199	14	129	.5	138	29	1106	5.60	9	5	ND	4	30	2	2	2	103	.41	.108	5	224	1.87	78	.10	2	3.18	.01	.08	1	12
L400N 5625E	1	34	14	84	.3	26	9	190	3.55	14	5	ND	3	14	1	2	2	75	.14	.173	4	92	.67	47	.10	2	1.91	.01	.03	1	2
L400N 5650E	2	175	14	154	.2	74	31	680	5.37	20	5	ND	3	29	1	2	2	80	.29	.079	4	95	1.41	81	.09	2	2.96	.01	.07	1	1
L400N 5675E	3	33	9	104	.4	43	8	210	2.71	18	5	ND	5	13	1	2	2	27	.10	.069	13	62	.60	67	.03	2	1.20	.01	.05	1	5
L400N 5700E	1	73	12	236	.1	36	18	612	4.78	4	5	ND	2	44	1	2	2	82	.51	.182	3	68	1.50	59	.15	2	2.52	.01	.09	1	1
L400N 5725E	2	36	8	157	.6	56	14	330	3.52	10	5	ND	5	24	1	2	2	52	.28	.100	9	130	1.28	66	.12	2	1.95	.01	.08	1	6
L400N 5750E	2	27	10	84	.4	81	15	344	4.60	10	5	ND	2	49	1	2	2	83	.60	.148	4	209	2.14	98	.16	3	2.61	.01	.28	1	1
L400N 5775E	2	69	8	102	.4	82	23	550	5.33	5	5	ND	2	40	1	2	2	86	.57	.108	3	241	2.38	57	.17	2	2.81	.01	.24	1	1
L400N 5800E	2	31	8	106	1.5	63	13	258	3.41	9	5	ND	4	16	2	2	2	51	.21	.071	8	169	1.27	48	.09	2	1.95	.01	.07	1	1
L300N 4800E	3	97	13	103	.6	29	15	675	4.39	36	5	ND	3	41	1	2	2	37	.48	.050	7	37	1.29	69	.01	5	2.13	.01	.06	1	14
L300N 4850E	2	76	11	130	.5	27	15	424	4.60	24	5	ND	4	21	1	2	2	45	.18	.055	8	29	1.28	85	.03	2	2.58	.01	.05	1	8
L300N 4900E	7	106	12	223	.9	38	13	384	4.84	93	5	ND	4	22	2	8	2	26	.12	.045	11	19	.72	54	.01	2	1.31	.01	.04	1	114
L300N 4950E	2	46	4	160	.3	29	12	456	3.62	30	5	ND	3	29	1	2	2	41	.30	.066	8	34	1.02	83	.04	2	1.75	.01	.07	1	5
L300N 5000E	1	23	7	71	.3	26	7	403	1.96	8	5	ND	3	23	1	2	2	30	.24	.036	8	43	.61	69	.04	2	1.14	.01	.07	1	1
L300N 5025E	2	43	12	116	.4	30	11	331	3.64	13	5	ND	3	18	1	2	2	49	.16	.097	8	45	1.07	70	.04	2	1.95	.01	.06	1	1
L300N 5050E	2	34	11	110	.5	34	9	176	3.21	10	5	ND	4	28	1	2	2	49	.23	.119	8	83	.73	112	.06	3	1.67	.01	.06	1	6
L300N 5075E	1	32	8	184	.4	39	15	218	3.95	19	5	ND	4	22	2	2	2	57	.18	.177	8	75	1.05	96	.04	2	2.16	.01	.05	1	1
L300N 5100E	2	47	5	125	.9	40	11	370	2.53	9	5	ND	4	25	1	2	2	34	.18	.057	10	52	.63	72	.05	2	1.24	.01	.07	1	1
L300N 5125E	4	67	15	261	.4	45	14	294	4.87	32	5	ND	4	35	1	2	2	54	.13	.114	9	61	1.11	177	.02	2	1.93	.01	.09	1	1
L300N 5150E	3	76	13	280	.4	51	18	766	4.67	22	5	ND	4	62	1	2	2	55	.24	.085	13	47	1.02	254	.03	2	2.04	.01	.12	1	1
L300N 5175E	4	112	9	132	.3	51	13	304	4.32	42	5	ND	5	37	1	2	2	41	.19	.062	12	57	1.07	90	.05	2	1.43	.01	.08	1	3
L300N 5200E	6	219	26	297	.9	70	25	594	8.66	241	5	ND	5	53	3	2	2	36	.25	.110	14	42	.66	75	.02	2	1.05	.01	.07	1	34
L300N 5225E	4	132	14	186	.8	54	16	385	4.83	72	5	ND	3	109	2	2	2	38	1.97	.059	9	64	1.09	65	.06	2	1.37	.01	.09	1	15
L300N 5250E	2	79	7	66	.1	42	16	349	4.20	14	5	ND	4	25	1	2	2	60	.18	.023	6	63	1.47	34	.06	2	2.08	.01	.07	1	1
L300N 5275E	2	189	9	70	.2	35	20	426	5.00	28	5	ND	4	52	1	2	2	64	.25	.039	9	52	1.15	150	.02	2	2.44	.01	.09	1	7
L300N 5300E	3	177	6	76	.4	39	16	329	5.31	23	5	ND	5	59	1	2	2	69	.40	.055	10	64	1.50	94	.02	2	2.45	.01	.12	1	52
L300N 5325E	1	84	14	82	.3	24	22	612	6.92	44	5	ND	5	28	1	2	2	115	.19	.119	10	40	1.59	119	.01	2	2.50	.01	.09	1	3
L300N 5350E	2	115	4	217	.2	115	28	562	5.76	25	5	ND	3	47	1	2	2	83	.37	.142	6	206	1.92	141	.12	2	2.55	.01	.07	1	13
L300N 5375E	2	88	13	99	.1	73	25	466	5.56	26	5	ND	3	77	1	2	2	84	.30	.069	10	88	1.64	296	.07	2	2.87	.01	.13	1	6
L300N 5400E	1	70	12	101	.2	25	18	621	5.21	17	5	ND	3	34	1	2	2	139	.25	.058	5	48	1.64	148	.05	2	2.75	.01	.06	1	2
L300N 5425E	1	93	9	130	.1	136	25	556	4.41	19	5	ND	2	23	1	3	2	77	.20	.062	5	228	2.22	73	.12	3	2.73	.01	.07	1	8
L300N 5450E	2	70	13	207	.2	55	26	519	5.90	18	5	ND	2	17	1	2	2	144	.17	.084	5	141	3.08	87	.15	3	3.58	.01	.14	1	1
L300N 5475E	1	32	6	147	.3	92	18	389	3.49	3	5	ND	2	56	1	2	2	68	.40	.057	3	197	1.82	100	.23	2	2.33	.01	.07	1	1
STD C/AU-S	18	59	39	132	7.3	68	27	1023	4.08	37	23	7	39	50	18	17	18	58	.47	.085	37	60	.85	179	.08	33	1.86	.06	.13	11	49

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L300N 5500E	1	46	9	100	.1	138	22	616	4.14	9	5	ND	3	34	1	2	2	76	.35	.090	3	328	2.64	82	.21	2	2.60	.01	.05	1	1
L300N 5525E	1	101	9	73	.2	142	28	552	5.95	3	5	ND	3	47	1	2	2	148	.55	.049	3	297	3.45	137	.33	2	3.15	.01	.28	1	1
L300N 5550E	1	113	20	93	.3	165	34	759	7.34	2	5	ND	3	57	1	2	2	193	.82	.093	4	255	4.51	503	.37	2	3.78	.01	1.04	1	1
L300N 5575E	1	116	15	81	.1	97	25	1022	5.40	2	5	ND	2	35	1	2	3	130	.52	.058	2	177	2.57	183	.28	2	2.91	.01	.13	1	3
L300N 5600E	1	98	10	80	.2	169	28	504	5.83	2	5	ND	2	21	2	2	2	135	.41	.060	3	395	3.69	33	.30	3	3.22	.01	.06	1	1
L300N 5625E	1	84	7	84	.2	149	28	507	5.58	4	5	ND	2	20	1	2	2	137	.42	.043	3	358	3.33	33	.32	2	2.98	.01	.06	1	1
L300N 5650E	1	69	14	89	.2	94	22	425	6.37	5	5	ND	2	29	1	2	2	146	.44	.096	3	170	2.90	78	.28	2	3.38	.01	.17	1	1
L300N 5675E	1	78	5	81	.2	194	25	437	5.96	3	5	ND	3	19	1	2	2	141	.31	.101	4	371	3.77	54	.23	2	3.37	.01	.06	1	1
L300N 5700E	1	129	5	80	.1	220	32	449	6.88	6	5	ND	3	21	1	2	2	186	.33	.068	4	376	6.09	78	.22	2	4.61	.01	.04	1	1
L300N 5725E	1	86	7	78	.1	111	24	335	5.16	5	5	ND	2	16	1	2	2	80	.23	.058	5	142	1.83	145	.10	2	2.50	.01	.16	1	1
L300N 5750E	1	75	14	82	.2	218	31	394	6.51	5	5	ND	3	18	1	2	2	145	.29	.115	3	345	4.59	86	.22	2	4.48	.01	.05	1	2
L300N 5775E	1	82	10	78	.1	126	28	444	6.35	2	5	ND	2	23	1	2	2	153	.37	.076	3	220	3.59	119	.29	2	3.61	.01	.07	1	1
L300N 5800E	1	124	6	75	.1	109	30	527	6.88	2	5	ND	3	40	1	2	2	171	.68	.109	6	205	3.99	79	.29	2	3.54	.01	.12	1	1
L200N 5000E	4	62	13	179	.7	32	9	394	3.36	69	5	ND	3	20	1	5	2	25	.22	.068	9	29	.35	111	.02	2	.84	.01	.06	1	16
L200N 5025E	3	101	6	161	.2	51	12	153	4.26	51	5	ND	5	12	1	3	2	26	.07	.053	12	31	.40	71	.02	2	1.00	.01	.06	2	17
L200N 5050E	4	32	4	87	.6	20	6	129	2.70	43	5	ND	4	14	1	2	2	36	.11	.017	10	30	.36	68	.02	2	1.18	.01	.03	2	1
L200N 5075E	3	79	6	85	.4	125	21	488	4.44	7	5	ND	2	86	1	4	3	109	1.16	.072	3	214	3.07	85	.15	2	2.69	.01	.07	1	1
L200N 5100E	1	104	8	77	.2	126	23	422	5.08	6	5	ND	2	55	1	2	2	122	.88	.075	3	232	3.19	89	.19	2	2.88	.01	.09	1	1
L200N 5125E	2	34	7	195	1.4	36	10	238	3.47	22	5	ND	3	21	1	2	2	50	.14	.065	7	79	.85	101	.03	2	1.64	.01	.06	1	11
L200N 5150E	2	102	9	170	.4	38	16	196	4.67	61	5	ND	2	20	1	2	2	37	.09	.056	7	46	.65	115	.02	2	1.46	.01	.05	1	14
L200N 5175E	4	219	11	142	.3	54	18	502	4.97	68	5	ND	4	39	1	2	2	35	.37	.044	9	57	.70	101	.03	2	1.25	.01	.09	1	43
L200N 5200E	3	511	12	103	.5	63	23	804	5.54	43	5	ND	5	54	1	2	2	54	.66	.048	10	85	1.30	111	.08	2	1.84	.01	.14	1	35
L200N 5225E	1	238	10	93	.3	21	17	627	9.28	48	5	ND	4	61	1	2	2	62	.46	.120	8	38	.74	133	.02	2	1.48	.01	.10	10	106
L200N 5250E	1	172	16	73	.4	39	35	555	9.60	119	5	ND	3	61	1	2	2	31	.32	.143	6	18	.33	112	.02	2	1.06	.01	.11	1	270
L200N 5275E	20	720	17	81	.2	34	24	538	10.89	70	5	ND	5	92	1	2	7	63	.38	.146	8	43	.83	117	.06	2	1.68	.01	.13	5	52
L200N 5300E	1	85	11	66	.5	20	23	358	9.05	79	5	3	3	81	1	2	2	43	.41	.155	6	15	.46	83	.02	2	1.21	.01	.11	1	6395
L200N 5325E	3	161	13	66	.2	26	27	1114	7.42	43	5	ND	3	68	1	2	2	20	.48	.119	7	14	.15	119	.02	2	.65	.01	.10	1	540
L200N 5350E	1	53	6	128	.2	27	21	694	3.81	15	5	ND	2	86	1	2	2	59	.52	.113	4	63	.91	76	.09	2	1.53	.01	.07	1	3
L200N 5375E	1	84	11	95	.2	26	22	342	5.24	29	5	ND	4	52	2	2	2	74	.25	.099	8	50	1.12	91	.04	2	2.07	.01	.09	1	82
L200N 5400E	3	192	7	60	.2	50	30	841	7.68	80	5	ND	6	64	1	2	2	56	.27	.073	11	54	.86	101	.01	2	1.81	.01	.10	1	104
L200N 5425E	8	60	17	164	.2	56	22	748	5.45	28	5	ND	3	29	2	2	2	53	.18	.088	10	59	.76	170	.03	2	1.95	.01	.11	1	1
L200N 5450E	7	45	14	229	.3	51	20	1841	5.46	23	5	ND	3	45	2	2	2	46	.31	.095	10	47	.62	323	.03	2	1.75	.01	.13	1	24
L200N 5475E	1	74	5	104	.1	43	17	463	3.56	23	5	ND	2	49	1	2	2	68	.32	.024	5	57	.93	166	.07	2	2.30	.01	.11	1	11
L200N 5500E	1	55	11	174	.3	39	18	384	2.88	12	5	ND	2	44	1	2	2	60	.39	.023	6	39	.64	320	.07	2	1.94	.01	.11	1	3
L200N 5525E	1	122	2	83	.1	119	24	530	5.39	4	5	ND	1	27	1	2	2	120	.47	.057	2	210	2.73	93	.23	2	2.85	.01	.23	1	3
L200N 5550E	1	95	2	83	.2	115	23	415	5.22	7	5	ND	2	25	1	2	2	106	.36	.098	2	230	2.20	108	.21	3	2.85	.01	.10	1	1
STD C/AU-S	19	61	40	131	7.2	68	27	1024	4.13	37	23	7	38	50	17	18	21	57	.48	.085	37	59	.85	177	.08	32	1.87	.06	.13	11	48

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
L200N 5575E	1	94	12	78	.1	113	23	537	5.22	2	5	ND	3	28	1	2	2	129	.55	.089	3	204	2.66	134	.24	2	2.86	.01	.38	1	11
L200N 5600E	1	24	5	60	.3	62	11	296	2.34	4	5	ND	3	21	1	2	2	44	.35	.055	6	164	1.25	49	.09	3	1.40	.01	.10	1	1
L200N 5625E	2	33	6	71	.1	78	13	374	2.77	9	5	ND	4	23	1	2	2	43	.36	.062	9	186	1.40	58	.08	2	1.63	.01	.08	1	2
L200N 5650E	1	31	10	68	.1	86	14	357	2.83	8	5	ND	3	25	1	2	2	43	.40	.074	7	206	1.59	49	.08	4	1.74	.01	.09	1	1
L200N 5675E	2	30	6	84	.5	64	12	540	2.87	10	5	ND	3	33	1	2	2	48	.40	.094	8	152	1.18	95	.07	5	1.75	.01	.07	1	1
L200N 5700E	1	27	10	79	.8	56	11	571	2.64	7	5	ND	2	31	1	2	2	44	.39	.091	8	139	1.05	91	.07	5	1.53	.01	.07	1	1
L200N 5725E	1	23	9	62	.6	46	9	269	2.56	8	5	ND	3	29	1	2	2	41	.36	.127	8	126	.90	75	.07	4	1.35	.01	.07	1	1
L200N 5750E	1	90	6	72	.4	75	20	493	4.44	7	5	ND	2	55	2	2	2	84	.63	.150	2	181	2.39	134	.13	4	2.69	.01	.53	1	1
L200N 5775E	1	87	5	84	.2	97	21	584	5.89	10	5	ND	2	17	1	2	2	137	.27	.099	3	286	3.29	94	.16	4	3.51	.01	.37	1	2
L200N 5800E	1	73	5	78	.3	94	21	625	5.54	13	5	ND	1	17	2	2	2	123	.28	.101	2	289	3.15	117	.15	2	3.31	.01	.38	1	1
L100N 5000E	4	59	10	354	.7	42	11	417	4.02	40	5	ND	3	24	1	2	2	41	.21	.192	10	57	.75	142	.04	3	1.59	.01	.07	1	10
L100N 5025E	10	126	12	378	.5	47	14	270	5.89	142	5	ND	3	23	3	8	2	25	.11	.058	7	28	.25	95	.01	3	1.51	.01	.05	1	162
L100N 5050E	3	65	9	247	.4	38	10	198	4.89	72	5	ND	2	17	3	4	2	24	.10	.128	8	34	.37	105	.01	2	1.30	.01	.05	1	1
L100N 5075E	8	138	24	275	1.9	82	16	425	4.89	98	5	ND	3	22	1	5	2	18	.12	.058	12	25	.21	67	.01	3	.67	.01	.06	1	46
L100N 5100E	52	131	13	276	.8	59	22	3575	11.66	171	5	ND	5	56	3	4	2	27	.46	.081	19	39	.41	165	.03	2	.90	.01	.08	1	3
L100N 5125E	4	73	9	142	.6	45	11	674	3.17	50	5	ND	3	36	1	2	2	25	.29	.042	10	39	.38	107	.02	3	.94	.01	.07	1	15
L100N 5150E	2	31	10	255	1.5	32	10	215	3.83	35	5	ND	2	19	1	2	2	42	.15	.149	8	34	.33	119	.05	3	1.58	.01	.06	1	4
L100N 5175E	5	73	16	249	2.2	60	13	324	3.70	45	5	ND	4	41	2	2	2	29	.29	.077	9	35	.34	77	.02	5	1.14	.01	.05	1	6
L100N 5200E	6	97	15	160	.7	60	11	161	4.13	60	5	ND	3	20	1	2	2	26	.12	.073	9	53	.59	56	.03	3	1.17	.01	.06	1	14
L100N 5225E	2	45	6	82	.1	27	8	363	2.56	18	5	ND	2	20	1	2	2	29	.12	.039	8	34	.52	123	.02	2	1.31	.01	.09	1	2
L100N 5250E	2	50	5	81	.2	29	14	267	3.94	27	5	ND	2	35	1	2	2	38	.23	.067	6	33	.41	113	.02	5	1.35	.01	.09	1	169
L100N 5275E	3	238	9	86	.2	34	20	259	6.08	19	5	ND	3	31	1	2	3	62	.17	.059	6	67	1.26	75	.01	3	2.00	.01	.11	1	82
L100N 5300E	10	207	11	182	.2	60	15	192	5.03	59	5	ND	4	23	2	16	2	31	.08	.040	9	44	.65	66	.01	3	1.26	.01	.08	1	48
L100N 5325E	2	273	8	69	.6	52	23	591	6.23	36	5	ND	6	118	2	2	2	97	2.29	.058	11	91	2.09	58	.04	3	2.47	.01	.12	1	34
L100N 5350E	3	231	11	63	.2	42	21	349	5.74	39	5	ND	3	26	1	2	2	82	.13	.042	7	74	1.44	116	.04	3	2.52	.01	.10	1	2
L100N 5375E	1	66	7	65	.1	28	21	347	5.63	44	5	ND	3	43	1	2	2	73	.20	.076	6	46	.99	74	.02	5	1.97	.01	.10	1	13
L100N 5400E	1	58	6	98	.1	32	22	773	3.57	19	5	ND	2	85	1	2	2	59	.47	.072	5	50	1.07	108	.06	6	1.78	.01	.10	1	8
L100N 5425E	4	238	12	151	.4	79	27	404	5.91	52	5	ND	4	42	1	2	2	81	.24	.045	9	81	1.29	131	.03	3	2.50	.01	.13	1	1
L100N 5450E	2	298	7	73	.1	85	36	845	7.72	19	5	ND	4	44	2	2	5	99	.24	.062	11	149	2.41	112	.02	3	2.87	.01	.08	1	5
L100N 5475E	1	20	4	38	.1	12	6	140	1.69	7	5	ND	1	33	1	2	2	60	.26	.017	4	36	.50	26	.10	5	1.17	.01	.02	1	1
L100N 5500E	1	92	9	390	.1	43	30	592	5.96	28	5	ND	3	29	1	2	2	132	.26	.105	5	72	2.18	104	.12	2	3.40	.01	.15	1	2
L100N 5525E	1	19	5	61	.1	13	8	334	1.47	2	5	ND	1	39	1	2	2	44	.48	.032	2	21	.78	36	.22	3	1.09	.01	.11	1	2
L100N 5550E	1	55	7	266	.2	107	22	380	2.93	7	5	ND	2	20	1	2	2	53	.25	.046	5	156	1.35	64	.14	4	1.85	.01	.07	1	73
L100N 5575E	1	15	3	71	.1	47	9	599	1.33	3	5	ND	1	13	1	2	2	32	.19	.019	2	85	.68	46	.13	3	.99	.01	.05	1	8
L100N 5600E	1	21	7	77	.1	88	16	564	2.62	7	5	ND	1	17	1	2	3	63	.29	.044	3	213	1.47	87	.21	3	1.95	.01	.05	1	1
L100N 5625E	1	37	11	68	.1	327	32	689	4.43	21	5	ND	1	26	1	2	2	81	.41	.065	2	613	3.96	58	.14	2	3.24	.01	.03	1	2
STD C/AU-S	18	61	42	132	7.5	69	28	1056	4.00	41	15	8	40	52	19	17	18	60	.49	.086	39	61	.88	179	.08	33	1.91	.06	.14	13	50

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CD PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L100N 5650E	1	38	7	52	.2	367	32	394	5.00	2	5	ND	2	14	1	2	2	95	.25	.047	2	653	4.44	51	.17	3	3.35	.01	.03	1	3
L100N 5675E	1	75	5	57	.1	215	29	560	5.70	2	5	ND	1	24	1	2	2	133	.31	.035	2	393	3.93	59	.20	2	3.38	.01	.19	1	1
L100N 5700E	1	38	8	73	.3	43	14	2307	2.73	4	5	ND	1	63	1	2	2	45	.54	.108	4	124	.94	217	.07	2	1.50	.01	.10	1	1
L100N 5725E	1	64	3	72	.2	31	14	443	3.74	2	5	ND	2	29	1	2	3	78	.19	.078	3	64	1.36	73	.12	2	2.02	.01	.10	1	9
L100N 5750E	1	29	9	80	.1	21	8	302	2.04	.3	5	ND	2	19	1	2	2	33	.14	.075	7	40	.52	69	.05	2	1.20	.01	.06	1	1
L100N 5775E	1	12	3	49	.3	10	4	146	1.16	2	5	ND	1	26	1	2	2	30	.27	.036	5	23	.36	40	.13	2	.71	.01	.05	1	1
L100N 5800E	1	13	2	43	.2	16	7	411	1.75	2	5	ND	1	50	1	2	2	37	.52	.036	2	66	.70	65	.16	2	1.01	.01	.15	1	1
L000N 4000E	1	22	8	57	.1	17	6	122	2.45	10	5	ND	2	17	1	2	2	37	.20	.040	5	25	.32	36	.08	2	.76	.01	.05	1	1
L000N 4050E	4	36	11	71	.7	27	7	136	2.53	6	5	ND	2	32	1	2	2	39	.42	.026	14	39	.38	104	.06	2	1.63	.01	.09	1	1
L000N 4100E	1	28	12	127	.5	24	8	360	3.71	8	5	ND	3	20	1	2	2	39	.16	.099	8	48	.52	98	.05	2	1.42	.01	.06	1	7
L000N 4150E	9	11	2	53	.2	5	1	59	.44	2	5	ND	1	126	1	2	2	3	3.47	.021	2	4	.10	55	.01	4	.15	.01	.01	1	1
L000N 4200E	3	31	4	53	.1	42	11	699	2.56	4	5	ND	1	55	1	2	2	40	1.20	.049	3	79	.80	92	.06	2	1.08	.01	.06	1	1
L000N 4250E	2	56	11	105	.2	76	16	526	3.81	16	5	ND	2	34	1	2	3	63	.42	.070	4	137	1.44	95	.09	2	1.99	.01	.10	1	27
L000N 4300E	2	36	9	69	.2	112	15	403	3.52	6	5	ND	2	28	1	2	2	62	.42	.055	4	205	1.70	72	.10	2	1.87	.01	.08	1	1
L000N 4350E	4	79	13	88	1.2	48	18	328	4.52	27	5	ND	7	37	1	2	2	47	.67	.029	17	56	.64	92	.12	2	3.11	.01	.07	1	1
L000N 4400E	1	68	5	77	.2	26	10	325	2.98	11	5	ND	3	15	1	3	2	39	.26	.054	7	32	.78	75	.06	2	1.53	.01	.07	1	1
L000N 4450E	1	34	7	121	.3	17	6	285	2.00	4	5	ND	1	22	2	2	2	41	.40	.042	4	16	.36	129	.10	2	1.27	.01	.06	1	2
L000N 4500E	2	33	7	142	.1	25	10	240	3.39	15	5	ND	3	14	1	3	2	41	.16	.183	6	28	.54	94	.05	2	1.21	.01	.05	1	3
L000N 4550E	4	89	6	226	.3	42	18	577	5.77	20	5	ND	2	22	1	2	2	68	.28	.157	4	35	1.20	219	.07	2	2.40	.01	.05	1	1
L000N 4600E	5	113	14	116	.3	54	18	561	4.08	29	5	ND	5	29	2	3	2	34	.45	.075	15	40	.69	76	.07	2	1.18	.01	.11	1	5
L000N 5300E	2	56	8	52	.1	27	10	310	3.43	33	5	ND	1	20	1	3	2	29	.07	.056	8	37	.44	117	.01	2	.81	.01	.08	1	7
L000N 5325E	1	140	7	65	.1	37	17	359	5.17	29	5	ND	4	28	1	2	3	58	.16	.069	8	61	1.31	103	.02	2	2.02	.01	.08	1	29
L000N 5350E	1	131	9	56	.1	36	25	642	7.84	116	5	ND	2	83	1	2	2	30	.35	.147	4	27	.34	165	.01	2	.86	.01	.10	1	1620
L000N 5375E	1	129	10	71	.3	28	22	975	6.51	18	5	ND	4	156	1	2	2	38	.60	.117	5	32	.59	199	.02	2	1.30	.01	.11	1	11
L000N 5400E	3	226	6	59	.1	35	24	1060	6.43	5	5	ND	5	110	1	3	2	59	.64	.070	11	58	1.04	224	.02	2	1.89	.01	.10	1	10
L000N 5425E	1	119	8	63	.1	38	21	346	3.64	9	5	ND	2	41	1	3	2	47	.17	.038	6	44	.67	117	.04	2	1.59	.01	.08	1	25
L000N 5450E	4	43	9	110	.2	38	12	185	3.09	36	5	ND	2	21	1	2	4	33	.12	.046	5	35	.53	107	.01	2	1.11	.01	.05	1	1
L000N 5475E	20	138	15	207	.1	76	15	212	4.79	134	5	ND	2	14	1	8	2	16	.08	.055	6	24	.32	52	.01	2	.80	.01	.05	1	16
L000N 5500E	7	80	6	210	.2	50	14	368	3.87	62	5	ND	2	31	1	5	2	47	.22	.040	5	37	.72	86	.02	2	1.41	.01	.07	1	1
L000N 5525E	1	59	13	226	.1	26	27	459	5.70	39	5	ND	1	31	1	2	2	103	.22	.114	3	46	1.43	126	.03	2	2.82	.01	.08	1	6
L000N 5550E	1	77	7	93	.1	20	20	318	6.35	10	5	ND	2	41	1	2	2	116	.24	.050	3	45	1.95	121	.12	2	2.70	.01	.24	1	13
L000N 5575E	1	28	4	44	.1	29	7	165	1.92	12	5	ND	1	22	1	2	2	36	.20	.046	4	47	.58	41	.12	2	.90	.01	.08	1	1
L000N 5600E	1	51	5	92	.2	191	23	330	4.03	6	5	ND	2	17	1	2	4	73	.25	.076	3	317	2.59	52	.14	3	2.55	.01	.05	1	3
L000N 5625E	1	67	7	72	.1	182	26	487	4.91	6	5	ND	2	22	1	3	2	94	.34	.057	3	359	3.10	62	.13	2	2.81	.01	.15	1	1
L000N 5650E	1	69	8	81	.3	89	22	576	4.69	2	5	ND	2	36	1	2	4	87	.42	.083	4	247	2.39	72	.12	2	2.63	.01	.10	1	1
L000N 5675E	1	39	7	90	.2	63	15	400	3.26	2	5	ND	2	25	1	2	3	59	.31	.121	3	126	1.39	81	.11	2	1.84	.01	.13	1	1
STD C/AU-S	18	59	39	132	7.1	68	28	1043	4.16	38	20	7	40	51	17	18	21	59	.49	.085	38	58	.86	182	.08	32	1.89	.06	.13	12	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L000N 5700E	1	53	4	109	.2	33	14	445	3.12	4	5	ND	1	50	1	2	2	55	.42	.116	2	81	1.24	75	.19	2	2.06	.01	.12	1	1
L000N 5725E	1	57	2	62	.2	37	14	390	3.35	7	5	ND	1	67	1	2	2	75	.58	.035	2	89	1.47	39	.28	3	2.05	.01	.04	1	1
L000N 5750E	3	86	3	83	.3	52	13	281	3.11	18	5	ND	2	83	1	4	2	59	1.05	.060	3	91	1.13	95	.08	2	1.60	.01	.10	1	73
L000N 5775E	5	79	6	116	.1	45	15	552	4.04	36	5	ND	2	55	1	2	2	49	.57	.067	5	58	.93	104	.06	4	1.53	.01	.09	1	12
L000N 5800E	3	70	8	100	.2	42	13	397	3.51	21	5	ND	3	48	1	2	2	45	.70	.063	6	59	.86	106	.08	3	1.65	.01	.08	1	1
L100S 5450E	2	185	2	45	.1	31	25	217	5.39	5	5	ND	4	29	1	2	3	38	.14	.036	8	41	.88	88	.01	2	1.83	.01	.09	2	8
L100S 5475E	1	48	2	53	.1	16	16	248	4.50	5	5	ND	2	69	1	2	2	37	.40	.049	5	19	.41	146	.01	2	1.51	.01	.08	1	2
L100S 5500E	1	57	3	114	.1	33	21	335	4.10	3	5	ND	1	81	1	2	2	63	.62	.082	2	41	1.82	59	.23	2	2.28	.01	.03	1	1
L100S 5525E	1	99	11	171	.3	50	26	594	6.59	35	5	ND	3	95	1	2	2	56	.50	.096	6	71	1.01	73	.03	5	1.69	.01	.08	1	109
L100S 5550E	3	79	9	93	.1	33	15	324	4.49	30	5	ND	3	38	1	2	3	53	.19	.031	9	42	.89	87	.03	2	1.55	.01	.10	2	23
L100S 5575E	1	35	3	79	.1	48	13	228	2.33	7	5	ND	4	27	1	3	3	38	.21	.037	7	71	.82	50	.11	3	1.40	.01	.08	2	1
L100S 5600E	1	122	9	81	.1	75	18	291	4.09	12	5	ND	3	23	1	2	2	67	.23	.074	7	135	1.72	62	.11	2	2.09	.01	.07	1	1
L100S 5625E	1	61	11	77	.1	143	19	337	3.61	7	5	ND	3	22	1	2	5	57	.23	.060	6	257	1.89	64	.12	2	2.08	.01	.09	1	2
L100S 5650E	1	75	5	68	.2	81	20	342	3.38	6	5	ND	3	36	2	2	2	56	.35	.033	4	166	1.62	30	.17	4	2.04	.01	.14	1	1
L100S 5675E	1	129	5	75	.2	55	20	407	3.60	4	5	ND	2	69	1	2	2	70	.50	.068	2	111	1.59	74	.21	3	2.02	.01	.22	1	1
L100S 5700E	1	87	2	86	.2	62	17	777	3.37	9	5	ND	2	75	1	2	2	50	.90	.067	4	108	1.42	98	.11	5	1.81	.01	.10	1	1
L100S 5725E	1	39	3	75	.1	34	16	523	3.26	3	5	ND	1	46	1	2	3	58	.50	.098	2	82	1.24	111	.22	2	1.78	.01	.24	1	1
L100S 5750E	1	44	2	93	.1	59	19	498	3.82	4	5	ND	1	34	1	2	2	62	.53	.118	2	136	1.83	174	.17	6	2.26	.01	.63	1	4
L100S 5775E	1	23	2	62	.1	33	12	437	2.49	3	5	ND	1	42	1	2	3	47	.46	.066	2	90	1.04	170	.21	2	1.39	.01	.14	1	1
L100S 5800E	1	118	2	85	.1	58	24	578	4.16	6	5	ND	1	31	1	2	2	66	.47	.067	2	119	2.01	104	.21	2	2.64	.01	.42	1	4
L200S 4000E	4	177	8	182	1.2	70	23	1293	4.83	19	5	ND	4	41	1	2	2	58	.75	.052	17	82	.96	210	.08	2	2.83	.01	.28	1	1
L200S 4050E	2	28	5	101	.1	22	9	204	3.01	12	5	ND	4	16	1	2	2	40	.13	.027	9	41	.53	57	.08	4	1.60	.01	.07	1	1
L200S 4100E	4	24	12	63	.1	19	6	115	2.97	8	5	ND	3	18	1	2	2	52	.12	.014	7	35	.43	43	.08	2	1.32	.01	.05	1	3
L200S 4150E	3	32	7	95	.7	27	9	246	3.04	9	5	ND	4	24	1	2	2	46	.23	.025	8	45	.60	101	.08	3	1.62	.01	.05	1	5
L200S 4200E	3	43	10	83	.5	39	11	438	3.05	11	5	ND	4	26	2	2	3	40	.37	.028	15	60	.79	90	.06	2	1.64	.01	.10	1	2
L200S 4250E	1	48	4	80	.2	34	13	363	2.86	7	5	ND	3	37	1	2	2	46	.68	.049	4	72	.99	92	.13	6	1.65	.01	.19	1	11
L200S 4300E	3	46	10	81	.3	36	10	288	2.58	14	5	ND	2	41	1	2	2	47	.60	.044	4	64	.72	74	.09	2	1.40	.01	.07	1	40
L200S 4350E	4	82	5	207	.3	40	14	422	4.72	37	5	ND	3	22	1	2	2	61	.24	.091	6	37	1.25	133	.08	2	2.34	.01	.08	1	57
L200S 4400E	1	27	5	110	.2	17	8	358	2.31	11	5	ND	2	26	1	2	3	46	.23	.047	5	25	.62	95	.10	2	1.52	.01	.08	1	5
L200S 4450E	2	42	5	190	.6	32	12	295	3.27	13	5	ND	2	20	1	2	3	53	.20	.099	7	38	.79	142	.06	2	1.93	.01	.07	1	3
L200S 4500E	2	23	4	195	.3	17	9	399	2.95	13	5	ND	2	28	1	2	2	58	.28	.073	4	24	.68	141	.12	2	1.84	.01	.07	1	4
L200S 4550E	1	28	6	145	.3	24	10	441	2.85	11	5	ND	2	28	1	2	2	42	.28	.162	6	37	.70	141	.07	2	1.66	.01	.08	1	1
L200S 4600E	1	36	4	66	.4	33	9	269	2.62	7	5	ND	2	22	1	2	3	34	.21	.061	8	59	.72	66	.05	3	1.41	.01	.07	1	1
L200S 4650E	2	40	4	72	.2	33	9	327	2.34	9	5	ND	3	17	1	2	3	32	.19	.050	12	53	.74	63	.06	2	1.22	.01	.08	1	1
L200S 4700E	3	62	7	105	.4	55	13	461	3.41	12	5	ND	9	58	1	2	2	39	1.12	.060	17	71	.91	128	.08	2	1.57	.02	.32	1	1
L200S 5500E	1	143	4	233	.3	88	32	536	5.05	11	5	ND	3	58	1	2	2	94	.48	.224	4	154	1.83	316	.16	2	2.53	.01	.22	1	195
STD C/AU-S	19	62	39	132	7.5	69	28	1048	4.23	43	21	8	39	53	18	17	22	61	.49	.089	39	61	.88	180	.08	33	1.92	.07	.14	10	50

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L200S 5525E	1	141	8	123	.2	171	34	661	5.44	14	5	ND	2	32	1	2	2	111	.42	.066	3	254	3.28	199	.23	2	2.79	.01	.17	1	1
L200S 5550E	2	147	7	80	.1	130	31	359	4.27	30	5	ND	2	22	2	2	2	74	.29	.052	4	193	2.09	57	.16	3	2.13	.01	.08	1	1
L200S 5575E	1	84	6	67	.2	111	30	546	4.54	11	5	ND	1	37	1	2	2	82	.33	.050	2	225	2.05	158	.17	2	2.62	.01	.11	1	1
L200S 5600E	1	17	7	42	.1	41	15	321	3.20	4	5	ND	1	31	1	2	3	64	.24	.105	2	163	1.11	158	.12	2	1.58	.01	.12	2	1
L200S 5625E	1	64	10	82	.1	67	19	378	3.79	7	5	ND	3	33	1	4	2	59	.23	.102	6	146	1.44	127	.10	2	2.13	.01	.09	1	1
L200S 5650E	1	46	10	83	.1	104	23	465	5.29	9	5	ND	1	18	1	2	2	112	.25	.076	3	251	2.88	86	.15	6	2.91	.01	.12	1	1
L200S 5675E	1	114	6	123	.1	126	31	719	6.40	5	5	ND	2	35	1	2	2	143	.48	.147	4	260	3.82	160	.20	2	3.69	.01	.37	1	1
L200S 5700E	1	32	8	103	.1	75	18	313	3.89	6	5	ND	3	18	1	2	2	69	.20	.104	7	184	1.52	145	.12	2	2.04	.01	.08	1	1
L200S 5725E	1	55	2	97	.1	38	21	803	3.02	8	5	ND	2	27	1	2	2	46	.55	.083	2	107	1.69	115	.19	2	1.95	.01	.30	1	1
L200S 5750E	1	89	11	130	.1	51	23	976	3.65	3	5	ND	2	36	1	2	2	48	.53	.094	2	72	1.25	249	.15	9	2.21	.01	.32	1	1
L200S 5775E	1	86	6	77	.1	47	24	663	3.59	7	5	ND	1	28	1	2	2	55	.47	.052	2	75	1.57	79	.21	2	2.30	.01	.31	1	2
L200S 5800E	1	149	2	89	.2	47	22	585	3.97	5	5	ND	1	36	1	2	2	68	.41	.045	2	129	1.86	72	.22	2	2.56	.01	.39	1	1
L400S 4000E	2	21	8	82	.3	11	8	1295	1.77	2	5	ND	2	16	2	2	2	32	.28	.033	4	20	.44	146	.05	2	1.06	.01	.07	1	2
L400S 4050E	11	99	11	145	.1	49	13	562	4.02	17	5	ND	4	24	1	4	2	52	.32	.071	11	49	1.14	115	.04	2	1.98	.01	.10	1	1
L400S 4100E	1	31	11	167	.2	38	12	293	2.98	7	5	ND	2	25	1	2	2	51	.33	.090	5	93	.88	83	.10	2	1.75	.01	.06	1	1
L400S 4150E	1	10	5	28	.1	3	2	742	.95	4	5	ND	1	18	1	2	2	17	.30	.023	3	6	.10	128	.05	2	.45	.01	.06	1	1
L400S 4200E	1	44	7	221	.4	36	10	401	2.86	9	5	ND	3	31	1	2	2	35	.49	.083	8	49	.79	95	.05	2	1.90	.01	.09	1	1
L400S 4250E	2	23	4	78	.3	15	6	255	2.15	8	5	ND	1	23	1	2	2	38	.34	.049	4	26	.50	75	.06	2	1.18	.01	.05	1	1
L400S 4300E	2	79	9	101	1.5	35	12	984	2.95	9	5	ND	4	73	5	3	2	43	3.36	.075	12	38	.57	141	.07	4	1.71	.01	.07	1	1
L400S 4350E	2	40	4	125	.1	34	11	400	2.70	12	5	ND	3	28	1	2	2	40	.49	.043	5	36	.55	82	.08	2	1.66	.01	.06	1	2
L400S 4400E	3	58	9	172	.3	30	13	434	3.84	16	5	ND	2	33	1	2	2	58	.36	.111	4	28	.66	186	.06	2	1.87	.01	.06	1	1
L400S 4450E	3	41	5	192	.3	26	9	243	2.86	15	5	ND	2	18	1	2	2	56	.21	.088	6	33	.69	193	.05	4	1.72	.01	.06	1	1
L400S 4500E	4	72	8	165	.2	36	12	374	3.71	37	5	ND	3	18	1	2	2	50	.17	.149	6	33	.78	98	.05	2	1.65	.01	.07	1	2
L400S 4550E	6	129	14	213	.7	55	17	485	4.92	50	5	ND	3	26	1	2	2	87	.38	.051	5	35	1.07	169	.09	2	2.60	.01	.08	1	1
L400S 4600E	2	31	9	188	.2	21	11	438	3.21	13	5	ND	2	30	1	2	2	56	.40	.074	4	29	.85	144	.09	3	1.75	.01	.07	1	1
L400S 4650E	1	29	8	84	.3	31	8	1198	2.07	7	5	ND	1	22	1	2	2	27	.29	.062	6	50	.63	94	.04	2	1.08	.01	.08	1	1
L400S 4700E	1	47	5	84	.6	31	11	339	2.60	10	5	ND	1	20	1	2	2	36	.29	.065	7	59	.77	87	.03	2	1.37	.01	.08	1	1
L400S 4750E	1	36	5	61	.4	22	8	311	2.26	8	5	ND	1	15	1	2	2	31	.15	.051	5	35	.48	53	.04	2	1.00	.01	.05	1	1
L400S 4800E	1	44	9	96	.3	36	13	331	3.10	10	5	ND	4	27	1	2	2	47	.30	.094	7	68	.78	103	.08	3	1.77	.02	.16	1	2
L400S 4850E	3	121	9	82	.3	40	15	620	3.55	13	5	ND	3	24	1	2	2	45	.32	.086	12	62	.93	93	.05	2	1.45	.01	.10	1	1
L400S 4900E	2	28	7	59	.1	21	6	148	2.13	6	5	ND	3	15	1	2	2	34	.21	.025	7	32	.38	77	.04	2	1.06	.01	.04	1	1
L400S 4950E	2	14	6	84	.8	13	3	115	1.49	8	5	ND	1	12	1	2	2	35	.16	.025	7	19	.26	62	.03	2	.76	.01	.03	1	2
L400S 5000E	7	130	14	207	.9	42	12	401	5.16	37	5	ND	4	20	2	2	2	50	.23	.094	10	44	.79	96	.01	6	1.47	.01	.07	1	1
JS-1S	3	62	9	95	.2	44	13	438	3.08	13	5	ND	5	19	1	2	2	34	.25	.062	14	60	.86	77	.06	2	1.48	.01	.14	1	15
JS-2S	3	58	12	64	.1	43	12	419	2.62	9	5	ND	6	18	1	2	2	31	.23	.059	15	65	.84	56	.07	2	1.26	.01	.11	1	1
JS-3S	2	52	6	66	.2	45	12	461	2.78	10	5	ND	8	23	1	2	2	31	.32	.061	16	64	.85	70	.07	7	1.29	.01	.13	1	1
STD C/AU-S	19	63	43	132	7.5	70	29	1048	4.24	42	20	8	40	53	19	17	21	60	.49	.086	40	61	.88	180	.08	34	1.93	.07	.14	12	50

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPB	
JS- 4S	5	44	8	93	.6	36	10	660	2.83	9	5	ND	4	32	1	2	2	37	.48	.044	11	60	.66	91	.06	2	1.36	.01	.10	1	16
JS- 5S	3	54	9	65	.3	41	10	348	2.47	9	5	ND	6	20	2	2	2	27	.33	.053	15	53	.60	60	.06	2	1.07	.01	.12	1	7
JS- 6S	1	35	7	.60	.5	31	8	269	2.21	9	5	ND	3	13	2	2	2	28	.17	.041	9	41	.42	49	.06	3	.99	.01	.07	1	1
JS- 7S	2	24	7	62	.6	28	7	190	1.96	6	5	ND	5	10	1	2	3	22	.11	.048	12	34	.38	59	.05	2	1.10	.01	.08	1	1
JS- 8S	2	36	10	72	.2	40	8	216	2.51	10	5	ND	6	13	1	2	2	27	.14	.046	12	48	.53	64	.06	2	1.31	.01	.11	1	1
JS- 9S	2	34	10	71	.1	38	10	346	2.32	8	5	ND	6	16	1	2	2	25	.21	.053	15	47	.59	66	.05	2	1.20	.01	.12	1	2
JS- 10S	2	37	12	87	.4	38	9	358	2.45	13	5	ND	4	21	1	2	2	30	.23	.058	10	58	.61	70	.06	2	1.15	.01	.09	1	6
JS- 11S	2	34	11	66	.6	37	8	371	2.17	7	5	ND	3	19	1	2	2	31	.23	.045	11	56	.59	76	.05	2	1.24	.01	.09	1	2
JS- 12S	2	35	9	62	.4	40	9	265	2.36	7	5	ND	6	18	1	2	2	27	.22	.042	13	49	.52	68	.06	3	1.18	.01	.11	1	2
JS- 13S	2	35	7	67	.2	41	9	164	2.32	7	5	ND	5	13	1	2	2	28	.13	.050	11	55	.53	69	.05	3	1.20	.01	.07	1	1
JS- 14S	1	29	9	66	.3	31	8	214	2.08	6	5	ND	5	13	1	2	2	27	.14	.056	11	42	.46	66	.05	4	1.13	.01	.09	1	1
JS- 15S	3	44	8	77	.2	41	10	416	2.45	8	5	ND	6	25	1	2	2	32	.31	.062	12	62	.70	88	.07	2	1.20	.01	.15	1	1
JS- 16S	1	118	8	38	.1	53	19	327	2.77	4	5	ND	4	40	1	2	2	39	.43	.059	6	164	1.14	71	.10	3	1.15	.01	.19	1	5
JS- 17S	1	215	9	75	.3	86	31	334	4.18	2	5	ND	4	58	1	2	2	75	.51	.098	4	278	1.80	95	.16	3	2.13	.01	.31	1	1
JS- 18S	1	91	10	69	.3	75	16	382	3.06	6	5	ND	4	34	1	2	2	52	.39	.066	8	181	1.52	118	.11	2	1.43	.01	.12	1	4
JS- 19S	2	130	15	89	.5	81	20	444	3.20	8	5	ND	6	23	1	2	4	46	.37	.065	10	161	1.28	78	.11	2	1.42	.01	.14	1	11
JS- 20S	1	55	17	118	.1	91	15	372	3.32	3	5	ND	4	18	1	2	2	55	.23	.088	7	224	1.45	89	.11	2	1.68	.01	.07	1	5
JS- 21S	2	155	14	148	.3	120	26	446	4.83	6	5	ND	3	21	1	2	2	100	.30	.066	6	236	2.78	130	.16	2	2.63	.01	.16	1	1
JS- 22S	2	63	10	91	.1	76	17	305	3.81	3	5	ND	3	22	1	2	2	82	.24	.064	6	176	1.96	46	.11	2	2.00	.01	.15	1	1
JS- 23S	4	366	14	90	1.7	168	38	802	5.95	33	5	ND	4	62	1	2	3	131	.89	.130	7	236	2.92	31	.14	2	2.28	.01	.17	1	1
JS- 24S	1	22	8	90	.3	42	8	185	1.87	2	5	ND	2	15	1	2	3	33	.17	.064	5	74	1.56	24	.07	2	1.54	.01	.05	1	1
JS- 25S	2	23	5	72	.4	38	8	98	2.05	5	5	ND	4	10	1	2	2	22	.10	.028	11	31	.44	69	.04	2	1.07	.01	.10	1	2
JS- 26S	2	21	8	97	.3	34	6	110	2.28	8	5	ND	5	9	1	2	3	25	.10	.085	12	48	.52	78	.03	4	1.07	.01	.09	1	1
JS- 27S	2	30	8	81	.2	42	7	187	2.10	10	5	ND	5	12	1	2	2	21	.14	.040	12	41	.45	54	.03	2	.89	.01	.08	1	1
JS- 28S	4	46	11	104	.4	49	10	336	3.04	12	5	ND	10	28	1	2	2	29	.45	.054	20	37	.61	103	.07	2	1.28	.02	.30	1	1
JS- 29S	2	18	12	111	.4	31	7	108	2.26	8	5	ND	6	8	1	2	2	23	.09	.055	13	25	.32	75	.04	2	1.11	.01	.09	1	1
JS- 30S	4	22	12	74	.4	28	6	105	3.06	14	5	ND	6	11	1	3	2	29	.09	.072	16	29	.28	72	.03	2	1.42	.01	.07	1	8
JS- 31S	2	39	5	96	.2	50	9	140	2.60	10	5	ND	7	10	1	2	3	25	.07	.040	16	40	.52	78	.02	2	1.20	.01	.06	1	1
JS- 32S	2	22	6	98	.4	44	8	109	2.75	21	5	ND	5	9	1	2	2	31	.06	.041	11	51	.41	79	.03	2	1.21	.01	.06	1	1
JS- 33S	2	21	12	151	.2	41	9	136	4.26	13	5	ND	6	14	2	2	2	50	.12	.102	13	82	.52	91	.07	3	1.91	.01	.07	1	1
JS- 34S	2	20	8	93	.4	30	7	126	2.05	4	5	ND	6	7	1	2	2	23	.07	.037	12	31	.35	70	.04	2	1.12	.01	.07	1	1
JS- 35S	3	50	13	102	.9	61	12	506	2.85	9	5	ND	4	38	1	2	2	34	.40	.043	16	65	.67	102	.05	2	1.48	.01	.13	1	2
JS- 36S	3	23	12	80	.5	27	6	243	2.07	8	5	ND	4	15	1	2	2	20	.17	.036	15	21	.30	64	.04	2	.98	.01	.08	1	1
JS- 37S	3	15	5	138	.2	24	8	275	1.98	6	5	ND	6	10	2	2	2	19	.11	.047	14	18	.23	69	.04	2	1.23	.01	.07	2	1
JS- 38S	3	73	12	98	.3	46	16	570	3.69	12	5	ND	8	35	1	2	2	46	.54	.069	17	54	1.03	108	.11	2	1.63	.02	.28	1	175
JS- 39S	6	65	6	87	.9	36	18	596	3.49	18	5	ND	3	44	2	3	2	40	.71	.087	16	44	.80	65	.07	4	1.47	.01	.10	1	12
STD C/AU-S	19	63	42	132	7.7	71	29	1053	4.28	41	22	8	40	52	19	17	23	61	.51	.092	40	61	.99	180	.09	35	1.80	.06	.14	15	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
JS- 40S	3	92	14	101	.2	47	18	676	4.00	15	5	ND	6	37	1	2	2	52	.54	.071	15	50	1.16	113	.10	2	1.99	.01	.20	1	1
JS- 41S	4	72	11	111	.4	38	15	672	3.37	13	5	ND	2	50	1	3	2	42	.82	.068	12	49	.88	106	.06	5	1.70	.01	.16	1	2
JS- 42S	3	69	12	94	.3	36	14	654	3.39	13	5	ND	4	37	1	3	2	44	.55	.057	13	44	.95	96	.07	2	1.74	.01	.12	1	1
JS- 43S	2	73	14	74	.2	34	14	401	2.88	14	5	ND	3	34	1	2	2	34	.54	.063	13	33	.66	67	.08	2	1.37	.01	.11	1	1
JS- 44S	2	83	10	75	.2	35	13	446	3.13	13	5	ND	4	33	1	2	2	40	.48	.073	13	40	.88	76	.08	2	1.45	.01	.15	1	2
JS- 45S	1	69	10	77	.1	36	14	557	3.28	9	5	ND	6	30	1	2	2	43	.45	.072	16	45	.99	87	.09	2	1.69	.01	.20	1	38
JS- 46S	1	79	12	92	.2	41	15	409	3.49	14	5	ND	7	32	1	2	2	44	.48	.074	15	43	.99	101	.10	2	1.66	.02	.23	1	5
JS- 47S	4	94	8	88	.1	43	16	613	3.67	20	5	ND	6	34	1	2	2	44	.48	.068	16	43	.97	98	.09	4	1.66	.02	.22	1	5
JS- 48S	4	108	12	115	.4	83	20	478	4.37	19	5	ND	5	42	1	2	2	60	.63	.071	14	213	1.83	84	.14	2	2.35	.01	.16	1	3
JS- 49S	2	78	14	91	.2	43	18	585	3.64	13	5	ND	5	37	1	2	2	47	.51	.073	15	54	1.09	103	.10	2	1.81	.02	.22	1	2
JS- 50S	2	67	10	88	.1	38	14	289	2.99	13	5	ND	5	20	1	2	2	36	.28	.080	11	32	.72	72	.08	2	1.74	.01	.08	1	3
JS- 51S	1	73	10	92	.6	30	16	381	3.36	22	5	ND	4	22	1	2	2	42	.36	.075	7	29	.76	80	.09	2	1.89	.01	.07	1	5
JS- 52S	2	89	12	93	.2	37	18	584	3.59	17	5	ND	5	31	1	2	2	47	.41	.071	14	43	1.02	85	.10	2	1.90	.01	.17	1	1
JS- 53S	4	42	10	133	.1	36	13	296	3.99	19	5	ND	3	24	3	2	2	55	.24	.087	5	29	.56	80	.08	3	1.86	.01	.06	2	1
JS- 54S	3	50	7	100	.2	28	10	310	2.30	14	5	ND	3	25	1	2	2	27	.37	.061	10	21	.50	37	.07	2	.90	.01	.06	1	1
JS- 55S	3	115	13	209	3.3	55	12	2257	2.80	15	5	ND	1	142	14	4	2	26	2.31	.070	29	44	.47	158	.04	8	1.46	.01	.13	1	1
JS- 56S	3	36	5	176	.5	27	10	417	3.19	11	5	ND	1	17	1	2	2	41	.24	.069	6	27	.45	92	.06	2	1.38	.01	.07	1	1
JS- 57S	1	37	6	115	.3	28	10	265	2.93	13	5	ND	3	14	1	2	2	36	.18	.113	8	33	.54	79	.06	2	1.73	.01	.08	1	1
JS- 58S	2	89	8	77	.2	34	15	362	2.88	22	5	ND	4	26	1	2	2	34	.36	.069	13	33	.62	69	.06	2	1.40	.01	.07	1	6
JS- 59S	3	21	10	40	.1	9	4	70	1.92	11	5	ND	2	23	1	2	2	55	.21	.019	5	15	.15	35	.10	2	.68	.01	.03	1	1
JS- 60S	1	32	9	77	.3	18	7	249	2.21	12	5	ND	2	19	1	2	2	32	.26	.059	6	22	.36	69	.06	2	1.14	.01	.05	1	1
JS- 61S	2	56	9	108	.3	36	13	213	2.86	24	5	ND	4	17	1	2	2	27	.23	.074	8	28	.45	51	.05	2	1.48	.01	.05	1	2
STD C/AU-5	19	61	39	132	7.3	69	28	1069	4.04	39	20	8	38	52	18	16	22	60	.50	.088	39	61	.90	178	.08	36	1.95	.07	.14	10	47

A P P E N D I X I I I

GEOCHEMICAL RESULTS - NORTH GRID

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 30 1987

DATE REPORT MAILED: Nov 5/87

ASSAYER: *D. J. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-6307

File # 87-5317

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SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
JN 15	4	85	10	102	.3	86	16	429	3.68	19	5	ND	6	23	2	2	2	75	.27	.045	11	183	1.46	90	.11	5	2.00	.01	.07	1	3
JN 25	2	75	6	116	.4	74	17	496	3.81	14	5	ND	5	28	1	2	2	73	.32	.062	10	140	1.20	67	.13	5	2.31	.01	.08	1	2
JN 35	2	141	4	125	.3	83	23	670	4.29	22	5	ND	4	37	1	2	2	87	.38	.055	7	215	1.58	61	.12	4	2.57	.01	.07	1	2
JN 45	1	67	6	73	.3	71	15	384	3.69	14	5	ND	4	28	1	2	2	70	.33	.032	9	142	1.29	61	.14	2	2.09	.01	.06	1	1
JN 55	1	75	5	102	.1	60	17	445	3.72	16	5	ND	5	34	1	2	2	69	.39	.038	8	111	1.11	55	.13	2	2.27	.01	.06	1	2
JN 65	2	166	12	129	.3	79	23	806	5.32	19	5	ND	3	36	1	2	2	92	.42	.065	8	134	1.77	84	.09	3	2.99	.01	.09	1	1
JN 75	1	35	6	120	.1	43	11	397	2.57	8	5	ND	4	27	2	2	2	51	.28	.061	9	83	.75	92	.09	2	1.68	.01	.06	1	1
JN 85	2	78	3	75	.2	89	17	321	3.67	18	5	ND	5	25	1	2	2	64	.27	.038	9	198	1.38	49	.12	3	2.08	.01	.07	1	1
JN 95	2	65	8	82	.2	110	18	421	3.67	17	5	ND	5	30	1	2	2	71	.35	.050	9	230	1.79	55	.12	2	2.00	.01	.11	1	2
JN 105	2	54	6	86	.1	104	19	374	3.92	16	5	ND	4	20	1	2	2	77	.24	.053	8	239	1.67	49	.13	2	2.19	.01	.09	1	10
JN 115	2	112	10	86	.2	73	18	852	4.18	27	5	ND	5	49	1	2	2	86	.66	.077	13	170	1.45	91	.12	6	2.02	.01	.14	1	14
JN 125	2	65	5	71	.1	109	19	513	3.69	22	5	ND	4	34	1	2	2	78	.46	.072	9	288	2.04	50	.13	2	1.90	.01	.11	1	5
JN 135	1	64	6	83	.2	104	19	472	3.71	14	5	ND	4	37	1	2	3	75	.51	.048	8	276	1.81	59	.14	2	2.05	.01	.09	1	1
JN 145	3	74	5	80	.3	68	16	450	3.66	22	5	ND	4	30	1	2	2	69	.36	.072	9	154	1.18	59	.12	2	1.89	.01	.08	1	3
JN 155	3	91	4	80	.5	73	17	566	3.79	18	5	ND	6	41	1	2	2	68	.51	.032	14	173	1.31	67	.13	6	1.88	.01	.11	1	1
JN 165	2	106	7	93	.3	67	16	635	3.90	24	5	ND	5	42	1	2	2	71	.55	.063	15	128	1.26	82	.12	2	1.88	.01	.13	1	2
JN 175	3	88	8	86	.8	69	13	407	3.31	21	5	ND	5	31	1	2	2	56	.33	.029	16	117	1.01	67	.11	4	1.57	.01	.08	1	5
JN 185	3	69	2	89	.2	66	14	402	3.72	31	5	ND	6	26	1	4	2	59	.27	.060	12	136	1.09	62	.09	2	1.71	.01	.07	1	1
JN 195	2	39	6	104	.1	55	13	483	3.12	12	5	ND	3	30	1	2	2	59	.37	.089	9	118	1.00	94	.09	4	1.78	.01	.08	2	1
JN 205	2	57	10	103	.3	72	16	463	3.55	16	5	ND	4	33	1	2	2	65	.37	.073	11	137	1.18	89	.10	2	2.17	.01	.10	1	1
L000E 450N	1	27	7	149	.2	43	12	253	2.61	7	5	ND	4	26	1	2	2	52	.25	.072	9	94	.87	73	.12	3	1.51	.01	.07	1	1
L000E 400N	1	21	3	156	.3	35	11	276	2.24	4	5	ND	3	25	1	2	2	49	.25	.062	8	85	.74	83	.13	2	1.41	.01	.07	1	1
L000E 350N	1	37	7	136	.3	44	12	300	3.20	12	5	ND	4	32	1	2	2	63	.30	.112	8	131	.88	87	.12	2	1.66	.01	.06	1	2
L000E 300N	1	36	7	112	.4	41	13	395	2.92	10	5	ND	4	37	1	2	2	58	.37	.127	8	112	.77	93	.10	2	1.50	.01	.06	1	2
L000E 250N	1	29	5	138	.1	48	14	289	3.21	12	5	ND	4	27	1	2	2	64	.31	.101	9	103	.86	78	.10	4	1.93	.01	.07	1	1
L000E 200N	1	107	2	91	.1	112	21	429	4.24	15	5	ND	4	29	1	2	2	81	.31	.041	9	271	1.96	71	.13	5	2.68	.01	.07	1	1
L000E 150N	2	37	4	164	.5	59	13	268	3.80	13	5	ND	3	25	1	2	2	73	.28	.103	10	128	.90	97	.11	2	2.24	.01	.07	1	2
L000E 100N	2	69	10	107	.1	81	16	382	3.62	17	5	ND	4	27	1	2	2	70	.34	.052	10	149	1.35	88	.13	3	2.08	.01	.11	1	5
L000E 050N	1	69	9	123	.1	60	16	364	3.97	49	5	ND	4	30	1	2	2	74	.32	.080	9	127	1.14	73	.11	6	2.41	.01	.07	1	3
L000E 000N	2	51	3	87	.1	65	14	369	3.16	20	5	ND	3	31	1	2	2	61	.31	.041	8	134	1.09	60	.13	2	1.62	.01	.06	1	8
L200E 600N	2	21	8	96	.1	35	9	235	2.44	5	5	ND	3	21	1	2	2	63	.26	.041	10	83	.69	77	.10	2	1.62	.01	.06	1	1
L200E 550N	3	35	8	132	.2	67	23	940	4.21	13	5	ND	2	33	1	2	2	87	.40	.109	7	161	1.50	99	.14	3	1.91	.01	.08	1	1
L200E 500N	2	25	2	135	.4	69	17	499	3.65	12	5	ND	3	31	1	2	2	74	.33	.094	8	179	1.31	80	.12	2	1.79	.01	.07	1	1
L400E 600N	2	51	13	113	.6	61	15	417	3.64	16	5	ND	4	35	1	2	2	74	.32	.097	11	159	.98	92	.11	2	2.11	.01	.08	1	2
L400E 550N	2	43	11	116	.2	63	13	348	4.20	12	5	ND	3	25	1	2	2	83	.28	.107	10	137	1.16	110	.10	4	1.88	.01	.06	1	1
L400E 500N	3	82	9	111	.2	86	18	733	3.73	18	5	ND	4	31	1	2	2	73	.42	.071	11	169	1.47	110	.10	3	1.90	.01	.09	1	2
STD C/AU-S	19	61	40	129	7.7	71	29	1053	4.05	40	16	7	40	52	19	17	19	60	.49	.090	40	61	.88	177	.09	38	1.90	.06	.14	13	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L400E 450N	2	52	11	124	.7	83	17	599	4.57	14	5	ND	5	26	1	2	2	80	.30	.117	9	163	1.29	98	.10	3	2.58	.01	.07	1	1
L400E 400N	2	57	10	110	.2	78	18	327	4.31	14	5	ND	5	23	1	3	2	68	.26	.067	11	126	1.09	82	.11	4	2.25	.01	.06	1	1
L400E 350N	2	82	12	154	.1	79	20	400	5.41	17	5	ND	4	22	1	2	2	101	.31	.114	7	177	1.38	76	.10	4	2.67	.01	.06	1	1
L400E 300N	1	16	11	84	.5	28	6	168	2.71	6	5	ND	3	19	1	2	2	64	.26	.073	8	87	.62	74	.09	4	1.33	.01	.06	1	1
L400E 250N	1	22	6	83	.2	31	8	374	2.82	10	5	ND	3	25	1	2	2	68	.33	.088	7	102	.66	134	.10	2	1.39	.01	.05	1	1
L400E 200N	2	38	8	163	.7	57	16	261	4.67	11	6	ND	3	19	1	2	2	74	.22	.110	8	139	.84	118	.10	2	2.50	.01	.07	1	2
L400E 150N	2	47	10	159	.8	83	22	309	4.63	17	5	ND	4	18	1	2	2	72	.24	.145	7	177	1.09	83	.09	3	3.02	.01	.07	1	1
L400E 100N	2	48	9	201	.7	56	17	398	4.89	14	5	ND	4	22	1	2	2	74	.30	.200	9	119	.83	120	.08	6	2.97	.01	.08	1	2
L400E 050N	3	52	9	99	.2	53	11	278	4.12	27	5	ND	3	22	1	2	2	71	.26	.147	11	124	.90	84	.09	3	1.95	.01	.06	1	4
L400E 000N	3	59	12	103	.3	102	21	392	4.62	21	5	ND	4	31	1	2	2	85	.33	.050	8	183	1.28	108	.09	9	2.30	.01	.09	1	1
L600E 600N	1	25	7	126	.4	72	14	410	3.36	9	5	ND	3	25	1	2	3	69	.36	.106	7	178	1.29	155	.12	2	1.78	.01	.07	1	7
L600E 550N	1	32	10	93	.3	67	14	355	3.88	9	5	ND	2	24	1	3	3	76	.31	.087	7	176	1.31	105	.12	2	1.86	.01	.06	1	1
L600E 500N	2	42	7	101	.2	63	11	328	4.39	17	5	ND	1	24	1	2	3	90	.33	.136	7	169	1.20	91	.10	2	1.68	.01	.07	1	2
L600E 450N	2	35	10	93	.5	54	13	342	4.14	26	5	ND	2	24	1	2	2	81	.29	.105	7	141	1.03	99	.10	3	1.85	.01	.07	1	3
L600E 400N	1	27	6	91	.1	43	9	248	3.95	13	5	ND	3	21	1	2	2	87	.26	.084	9	124	.85	94	.12	2	1.74	.01	.06	1	1
L600E 350N	3	68	10	108	.4	84	18	394	4.22	26	5	ND	3	22	1	2	3	74	.30	.064	8	189	1.32	106	.09	5	2.24	.01	.07	1	2
L600E 300N	1	32	7	85	.1	41	11	1093	3.30	12	5	ND	1	28	1	3	2	68	.43	.084	5	102	.96	136	.08	2	1.47	.01	.07	1	2
L600E 250N	2	67	6	109	.3	68	17	756	3.95	20	5	ND	3	28	1	3	2	72	.45	.096	8	149	1.18	112	.09	6	1.97	.01	.09	1	9
L600E 200N	2	66	5	95	.3	82	18	631	4.18	27	5	ND	2	32	1	2	4	75	.42	.078	9	177	1.43	88	.10	2	2.06	.01	.10	1	1
L600E 150N	1	43	8	115	.3	66	17	312	5.00	19	5	ND	2	25	1	2	3	87	.27	.145	8	163	1.18	90	.10	2	2.36	.01	.07	1	1
L600E 100N	2	45	8	160	.4	62	16	358	5.83	20	5	ND	3	23	1	2	4	91	.29	.234	7	182	1.17	96	.09	3	2.41	.01	.09	1	1
L600E 050N	3	59	7	105	.3	84	17	366	5.11	38	5	ND	4	22	1	3	2	82	.27	.098	9	214	1.34	91	.08	4	2.43	.01	.10	1	3
L600E 000N	1	52	11	104	.2	72	17	346	5.09	24	5	ND	4	28	1	2	2	78	.37	.124	9	202	1.35	79	.10	5	2.43	.01	.09	1	4
L800E 600N	3	65	8	101	.3	102	18	481	4.85	32	5	ND	2	23	1	2	3	91	.30	.088	8	252	1.73	125	.09	5	2.18	.01	.07	1	1
L800E 550N	3	64	5	103	.6	67	12	327	4.22	14	5	ND	3	19	1	2	2	87	.21	.080	9	140	1.22	135	.08	4	2.11	.01	.06	1	4
L800E 500N	3	57	5	112	.4	73	15	308	4.73	45	5	ND	1	18	1	3	3	89	.17	.056	8	183	1.23	151	.09	3	2.59	.01	.06	1	1
L800E 450N	1	42	6	119	.3	49	18	383	4.26	22	5	ND	1	20	1	2	2	69	.33	.066	6	128	.79	90	.10	2	3.04	.01	.05	1	1
L800E 400N	1	57	6	66	.1	73	21	293	3.93	27	5	ND	3	21	1	2	2	64	.29	.064	13	112	.89	65	.12	2	2.31	.01	.05	1	1
L800E 350N	1	45	12	88	.3	51	13	256	5.25	23	5	ND	5	20	1	2	2	82	.25	.085	11	112	.78	70	.12	5	2.47	.01	.05	1	3
L800E 300N	1	25	8	58	.1	25	6	227	2.70	10	5	ND	1	22	1	2	2	81	.21	.053	8	85	.44	75	.10	3	1.15	.01	.04	1	1
L800E 250N	1	48	7	115	.4	58	15	344	5.94	30	5	ND	2	22	1	2	2	93	.30	.146	7	172	1.13	51	.09	2	2.62	.01	.08	1	2
L800E 200N	1	28	14	58	.2	15	6	292	3.65	18	5	ND	2	20	1	2	2	79	.21	.100	8	50	.33	137	.07	4	1.21	.01	.09	1	1
L800E 150N	1	40	9	92	.2	91	18	484	4.71	18	5	ND	2	26	1	2	3	82	.31	.122	7	222	1.61	103	.10	4	2.10	.01	.10	1	4
L800E 100N	2	57	10	100	.3	72	18	637	5.37	59	5	ND	2	33	1	2	2	98	.41	.072	7	229	1.36	110	.09	2	2.13	.01	.12	1	1
L800E 050N	2	42	13	115	.2	47	12	522	5.50	38	5	ND	2	37	1	2	2	91	.54	.139	6	168	.98	100	.07	6	1.71	.01	.10	1	1
L800E 000S	1	33	5	104	.3	30	9	315	4.03	20	5	ND	1	34	1	2	2	80	.44	.083	6	91	.69	135	.08	3	1.61	.01	.08	1	3
STD C/AU-S	18	61	38	129	7.3	70	28	1046	4.24	42	19	8	40	52	19	17	19	60	.49	.088	39	60	.88	177	.08	34	1.93	.06	.13	12	50

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
LB00E 050S	4	147	21	129	.1	84	30	1615	6.03	350	5	ND	6	22	1	6	3	64	.19	.034	21	168	1.37	91	.05	2	2.32	.01	.08	1	57
LB00E 100S	2	87	10	114	.1	84	21	660	4.85	47	5	ND	4	31	1	2	2	70	.32	.069	12	174	1.29	76	.09	2	2.21	.01	.07	1	1
LB00E 150S	3	79	12	92	.1	94	20	644	4.36	41	5	ND	4	37	1	2	2	63	.35	.077	11	170	1.36	109	.09	2	2.14	.01	.07	1	1
LB00E 200S	3	45	11	109	.1	36	12	484	4.71	22	5	ND	1	24	1	2	2	76	.30	.146	7	90	.76	138	.05	2	1.76	.01	.07	1	1
LB00E 250S	2	45	11	112	.1	34	11	437	4.94	27	5	ND	1	20	1	2	2	73	.23	.184	8	83	.71	117	.04	2	2.09	.01	.07	1	4
LB00E 300S	4	58	16	131	.3	84	18	907	5.04	62	5	ND	1	26	1	4	2	77	.30	.089	7	177	1.18	105	.07	2	2.06	.01	.07	1	4
LB00E 350S	4	55	10	171	.3	153	22	666	5.41	21	5	ND	2	16	1	2	4	101	.19	.134	5	405	2.34	97	.06	2	2.78	.01	.07	1	6
LB00E 400S	4	71	7	123	.1	208	30	497	6.58	33	5	ND	2	28	1	5	6	127	.22	.177	4	509	3.21	81	.06	2	2.90	.01	.07	1	1
LB00E 450S	3	66	8	100	.1	174	28	576	4.86	24	5	ND	1	28	1	2	2	103	.34	.054	4	444	2.86	80	.08	2	2.69	.01	.08	1	147
LB00E 500S	2	46	8	97	.1	99	18	343	4.02	20	5	ND	1	21	1	2	2	76	.18	.052	7	247	1.55	68	.06	2	1.98	.01	.08	1	2
LB00E 550S	3	59	11	158	.1	110	32	1100	5.28	12	5	ND	1	46	1	2	2	96	.60	.162	5	240	1.45	137	.09	2	1.89	.01	.10	1	1
LB00E 600S	2	58	8	100	.1	92	24	483	4.02	20	5	ND	2	32	1	2	2	70	.34	.115	6	208	1.61	70	.09	2	1.97	.01	.08	1	1
LB00E 650S	6	120	10	170	.2	76	21	448	5.46	13	5	ND	4	28	1	2	3	92	.26	.043	8	118	1.26	68	.16	2	2.72	.01	.06	1	1
LB00E 700S	7	115	16	219	.2	73	21	389	5.17	21	5	ND	4	24	1	2	2	89	.21	.039	10	95	1.08	108	.13	2	2.61	.01	.05	1	2
LB00E 750S	5	170	10	230	.1	97	28	512	5.60	16	5	ND	2	27	1	2	2	91	.23	.041	7	98	1.25	119	.14	2	2.77	.01	.05	1	1
LB00E 800S	4	89	9	238	.2	78	20	366	4.66	8	5	ND	4	24	1	2	2	77	.23	.042	10	73	.95	109	.14	4	2.57	.01	.05	1	1
LB00E 850S	3	50	13	156	.1	58	19	482	3.56	10	5	ND	2	27	1	2	2	67	.32	.032	8	86	.86	107	.11	2	2.05	.01	.06	1	1
LB00E 900S	4	79	11	168	.3	59	16	645	4.35	15	5	ND	3	29	1	2	2	76	.34	.032	9	104	1.30	124	.09	5	2.56	.01	.07	1	1
LB00E 950S	2	29	7	80	.1	53	12	250	3.01	20	5	ND	3	19	1	2	2	61	.20	.040	10	117	.89	76	.09	2	1.61	.01	.07	1	1
LB00E 1000S	2	25	7	83	.3	53	13	240	3.01	19	5	ND	3	18	1	2	2	58	.19	.069	10	113	.80	73	.08	2	1.72	.01	.08	1	1
L1000E 500N	3	51	10	195	.3	132	21	614	6.44	77	5	ND	1	24	1	2	2	136	.29	.139	4	341	2.34	275	.12	3	2.63	.01	.10	1	2
L1000E 450N	2	35	13	84	.3	41	10	388	4.18	15	5	ND	1	23	2	2	2	95	.29	.109	6	123	.63	109	.09	3	1.42	.01	.05	1	2
L1000E 400N	2	40	8	73	.1	29	8	364	4.40	59	5	ND	1	14	1	2	2	104	.14	.086	6	89	.52	71	.06	2	1.66	.01	.04	1	22
L1000E 350N	1	48	13	104	.1	29	9	387	6.67	65	5	ND	2	12	1	2	2	112	.13	.103	7	89	.63	81	.05	2	2.29	.01	.04	1	1
L1000E 300N	1	19	9	79	.2	18	5	233	3.58	12	5	ND	2	17	2	2	2	84	.19	.064	5	62	.40	68	.10	3	1.34	.01	.04	1	1
L1000E 250N	3	34	10	73	.3	33	7	219	4.31	25	5	ND	1	17	1	2	2	107	.21	.047	6	95	.62	79	.10	3	1.62	.01	.04	1	4
L1000E 200N	2	53	6	58	.3	140	22	519	4.09	9	5	ND	2	42	1	2	2	88	.87	.044	6	224	2.23	33	.16	2	2.57	.01	.09	1	1
L1000E 150N	3	29	7	70	.2	27	6	237	4.00	7	5	ND	1	23	1	2	2	117	.25	.102	6	83	.59	69	.11	2	1.68	.01	.04	2	1
L1000E 100N	2	28	9	77	.2	23	7	293	3.58	7	5	ND	1	23	1	2	2	100	.30	.082	6	82	.57	107	.11	4	1.30	.01	.08	1	2
L1000E 050N	2	30	11	66	.2	18	6	720	2.36	8	5	ND	1	118	1	2	2	59	1.18	.055	6	49	.32	136	.06	6	1.02	.01	.07	1	1
L1000E 000N	2	38	13	108	.3	21	9	404	4.35	21	5	ND	1	13	1	2	2	95	.12	.092	5	58	.57	74	.05	2	2.07	.01	.06	1	1
L1000E 050S	1	38	12	100	.1	23	7	380	3.76	19	5	ND	1	13	1	2	2	68	.11	.103	8	43	.46	120	.04	2	1.94	.01	.07	1	30
L1000E 100S	1	41	9	110	.2	18	8	419	3.97	11	5	ND	1	20	1	2	2	75	.22	.130	5	43	.49	114	.05	2	1.82	.01	.07	1	3
L1000E 150S	2	43	13	126	.5	20	10	1027	4.58	22	5	ND	1	22	2	2	2	73	.18	.134	6	50	.46	130	.03	3	2.03	.01	.07	1	1
L1000E 200S	1	31	9	114	.1	29	10	387	4.28	14	5	ND	3	19	2	2	2	73	.25	.121	10	69	.61	89	.11	3	1.88	.01	.06	1	1
L1000E 250S	3	180	19	123	.2	48	30	721	5.61	751	5	ND	5	14	1	19	2	67	.13	.038	11	65	.71	61	.04	3	2.40	.01	.05	1	325
STD C/AU-S	19	61	41	131	7.2	69	28	1045	4.06	39	18	7	40	52	18	18	22	60	.49	.088	39	59	.88	179	.08	36	1.94	.06	.14	13	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L1000E 300S	2	71	19	145	.5	49	21	787	6.06	131	5	ND	4	20	2	4	2	73	.17	.056	11	110	.88	73	.06	2	2.27	.01	.11	1	5
L1000E 350S	2	48	12	161	.4	129	26	790	5.33	34	5	ND	4	27	1	2	2	79	.25	.105	5	304	1.74	71	.08	3	2.80	.01	.11	1	1
L1000E 400S	1	30	10	65	.2	56	14	339	3.79	30	5	ND	3	31	1	2	3	67	.26	.042	7	155	1.06	67	.09	2	1.72	.02	.10	1	2
L1000E 450S	1	83	7	78	.2	83	19	399	4.57	37	5	ND	4	27	1	3	3	77	.27	.049	7	187	1.43	39	.10	5	2.16	.01	.08	1	53
L1000E 500S	1	64	14	71	.1	46	13	308	4.13	43	5	ND	5	25	1	2	2	57	.25	.024	12	84	.81	32	.09	3	1.52	.01	.09	1	1
L1000E 550S	1	31	11	75	.2	138	24	739	3.84	9	5	ND	2	35	1	2	2	68	.27	.055	4	439	2.48	121	.12	3	2.22	.01	.11	1	3
L1000E 600S	2	36	8	93	.1	48	12	236	3.56	25	5	ND	3	15	1	2	2	59	.14	.058	10	106	.92	65	.07	2	1.61	.01	.08	1	1
L1000E 650S	3	56	10	83	.2	61	14	279	3.77	44	5	ND	5	19	1	2	2	58	.17	.048	9	121	1.08	49	.09	2	1.64	.01	.08	1	1
L1000E 700S	3	45	5	76	.2	55	14	300	3.86	20	5	ND	3	26	1	2	2	70	.31	.049	7	132	1.04	67	.10	3	1.96	.01	.07	1	3
L1000E 750S	2	43	11	94	.8	51	13	371	3.25	15	5	ND	3	20	1	2	2	57	.22	.043	8	108	.90	85	.09	3	1.71	.01	.07	1	3
L1000E 800S	2	42	4	97	.4	58	13	286	3.67	16	5	ND	3	22	2	2	2	61	.21	.081	9	115	.98	77	.10	4	1.90	.01	.07	1	1
L1000E 850S	1	43	10	116	.2	57	14	345	3.54	15	5	ND	4	27	2	2	2	61	.26	.146	8	126	1.09	98	.10	2	2.01	.01	.08	1	1
L1000E 900S	1	38	11	113	.3	53	14	433	3.22	14	5	ND	4	21	1	2	2	55	.21	.082	9	107	.87	127	.09	2	1.85	.01	.08	1	2
L1000E 950S	1	38	8	85	.1	48	15	277	3.40	17	5	ND	4	30	2	2	2	65	.24	.091	8	110	.77	87	.09	2	1.80	.01	.07	1	1
L1000E 1000S	2	68	8	88	.3	63	15	371	3.62	28	5	ND	4	35	1	2	2	59	.44	.079	10	124	1.10	48	.11	2	1.66	.01	.09	1	1
L1200E 400N	3	37	7	101	.5	39	12	727	4.93	12	5	ND	2	53	1	2	2	71	.96	.107	8	126	.83	94	.06	2	2.18	.01	.06	1	1
L1200E 350N	1	31	8	71	.4	50	9	311	4.36	8	5	ND	2	17	1	2	2	77	.32	.099	6	153	1.01	43	.07	2	2.25	.01	.06	1	2
L1200E 300N	1	32	8	58	.6	44	9	503	4.17	5	5	ND	1	15	1	2	2	88	.25	.103	4	140	.86	49	.10	3	1.49	.01	.06	1	1
L1200E 250N	2	33	11	75	.3	36	8	363	5.11	14	5	ND	1	19	1	2	2	130	.26	.092	6	111	.64	112	.11	2	1.74	.01	.06	1	1
L1200E 200N	2	62	10	91	.4	69	14	437	4.89	14	5	ND	2	77	1	2	2	107	.87	.106	6	141	1.22	99	.10	3	2.11	.01	.10	1	1
L1200E 150N	2	103	12	130	.4	122	36	1575	6.34	18	5	ND	2	60	1	2	2	133	.99	.080	6	235	2.43	85	.16	2	3.18	.01	.09	1	1
L1200E 100N	2	63	8	86	1.1	157	18	619	4.76	404	5	ND	4	90	1	7	2	50	.69	.085	12	128	.84	140	.05	4	2.19	.02	.06	1	6
L1200E 050N	3	86	12	182	1.0	81	23	1757	6.06	45	5	ND	2	81	2	4	2	59	.85	.149	8	84	.58	369	.03	2	2.18	.01	.07	1	3
L1200E 000N	2	57	15	75	.6	68	14	647	6.78	10	6	ND	2	18	1	2	2	145	.16	.124	4	231	1.37	133	.04	2	2.56	.01	.04	1	2
L1200E 050S	1	22	9	70	.3	13	5	184	4.26	6	5	ND	2	16	1	2	2	93	.11	.055	9	33	.39	38	.16	2	1.89	.01	.04	1	7
L1200E 100S	1	42	7	88	.4	16	7	359	5.24	17	5	ND	2	15	1	2	2	72	.09	.102	7	35	.59	67	.04	5	3.24	.01	.06	1	1
L1200E 150S	1	46	12	94	.6	18	8	319	5.42	9	5	ND	3	19	1	2	2	115	.15	.077	6	43	.69	71	.13	2	2.81	.01	.06	1	1
L1200E 200S	2	78	4	73	.3	45	18	389	4.19	23	5	ND	2	23	1	2	3	68	.20	.045	9	78	.91	81	.10	2	3.36	.01	.07	1	3
L1200E 250S	1	115	10	75	.3	70	20	545	4.67	44	5	ND	4	32	1	2	2	83	.33	.032	9	140	1.50	57	.12	2	3.18	.01	.08	1	9
L1200E 300S	1	98	9	70	.2	36	14	376	4.05	91	5	ND	4	25	1	2	2	63	.23	.052	12	57	.75	44	.10	2	1.89	.01	.08	1	18
L1200E 350S	2	99	11	162	.3	72	26	648	5.70	64	5	ND	4	29	1	2	2	90	.27	.087	8	147	1.35	86	.11	3	3.33	.02	.11	1	5
L1200E 400S	2	68	6	83	.2	53	16	375	4.51	89	5	ND	4	26	1	2	2	66	.21	.039	11	97	.98	81	.09	3	2.51	.02	.09	1	3
STD C/AU-S	18	60	41	126	7.1	66	27	1008	3.99	38	17	7	37	49	18	17	19	56	.45	.084	37	60	.87	178	.08	37	1.85	.05	.14	13	51
L1200E 450S	2	67	10	76	.2	72	20	469	4.61	64	5	ND	5	25	1	2	2	73	.20	.034	14	142	1.22	62	.11	2	2.29	.01	.09	1	3
L1200E 500S	2	79	6	84	.2	108	20	349	4.54	34	5	ND	4	27	1	2	2	85	.22	.034	8	207	1.74	55	.14	4	2.49	.01	.08	1	1
L1200E 550S	2	80	8	86	.1	109	20	357	4.66	32	5	ND	3	28	1	2	2	89	.23	.035	8	208	1.76	56	.14	3	2.54	.01	.07	1	8
L1200E 600S	3	100	13	87	.3	150	24	513	5.69	39	5	ND	4	31	2	2	2	94	.25	.042	7	287	2.62	53	.07	2	2.94	.01	.06	1	1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L1200E 650S	1	101	12	84	.1	153	24	541	5.57	39	5	ND	4	33	1	2	2	97	.26	.041	7	297	2.48	53	.07	6	2.72	.01	.05	1	1
L1200E 700S	3	77	10	110	.2	75	17	374	4.31	44	5	ND	4	24	1	2	2	66	.20	.062	11	148	1.20	78	.06	4	1.87	.01	.09	1	2
L1200E 750S	3	79	7	109	.1	73	16	366	4.30	44	5	ND	4	24	1	2	5	65	.20	.058	11	145	1.18	74	.06	6	1.76	.01	.08	1	1
L1200E 800S	2	59	8	94	.1	79	16	373	3.83	30	5	ND	4	40	1	2	2	57	.43	.115	11	158	1.21	77	.09	8	1.64	.01	.08	1	1
L1200E 850S	2	60	12	99	.1	76	17	428	3.90	29	5	ND	4	43	1	2	2	59	.40	.114	12	147	1.16	78	.09	7	1.69	.01	.08	1	1
L1200E 900S	1	62	12	183	.1	95	27	978	5.07	34	5	ND	2	50	1	2	2	90	.50	.218	7	255	1.64	190	.10	5	2.46	.01	.08	1	1
L1200E 950S	1	69	12	89	.1	16	12	884	5.78	17	5	ND	2	86	1	2	2	138	.48	.045	5	33	1.38	38	.19	15	2.12	.17	.06	1	1
L1200E 1000S	2	61	12	185	.1	89	24	539	5.24	18	5	ND	3	68	2	2	2	93	.32	.156	8	175	1.38	151	.12	6	2.48	.01	.09	1	36
L1400E 800N	1	39	5	53	.8	17	7	267	5.20	13	5	ND	2	18	1	2	2	116	.18	.071	9	47	.35	67	.12	6	1.68	.01	.04	1	1
L1400E 750N	1	32	7	60	.1	35	8	309	5.20	6	5	ND	1	18	1	2	2	125	.26	.096	6	107	.69	71	.13	3	1.80	.01	.03	1	1
L1400E 700N	1	28	13	74	.1	13	5	391	4.09	5	5	ND	2	23	1	2	2	75	.29	.081	8	31	.37	77	.04	7	1.82	.01	.05	1	1
L1400E 650N	1	33	11	79	.4	24	7	553	5.10	6	5	ND	1	25	1	2	2	97	.30	.111	7	68	.56	75	.08	2	2.21	.01	.04	1	1
L1400E 600N	1	33	8	85	.3	43	9	611	4.88	3	5	ND	2	29	1	2	2	96	.29	.074	7	134	.87	93	.10	5	2.12	.01	.05	1	1
L1400E 550N	1	23	9	76	.2	25	7	234	4.05	6	5	ND	3	19	1	2	2	68	.24	.113	17	53	.54	67	.09	6	1.84	.01	.05	1	2
L1400E 500N	1	32	12	82	.2	78	15	638	5.25	4	5	ND	1	38	1	2	5	107	.30	.056	6	250	1.56	65	.16	4	2.28	.01	.05	1	1
L1400E 450N	1	33	6	110	.4	49	11	454	5.50	3	5	ND	1	36	1	2	2	112	.33	.107	6	153	1.11	87	.12	4	2.31	.01	.06	1	1
L1400E 400N	2	32	11	78	.3	66	10	304	4.62	4	5	ND	1	32	1	2	2	97	.23	.072	7	198	1.19	58	.12	6	2.43	.01	.06	1	1
L1400E 350N	2	37	9	81	.3	22	7	316	4.47	9	5	ND	2	16	1	2	2	80	.12	.057	11	54	.38	83	.05	5	2.12	.01	.04	1	2
L1400E 300N	3	39	9	90	.4	39	9	408	4.69	12	5	ND	2	17	1	2	2	73	.20	.125	10	100	.75	75	.06	3	2.10	.01	.05	1	1
L1400E 250N	2	55	10	165	1.2	147	31	1522	7.03	28	5	ND	1	37	2	2	2	142	.83	.087	5	413	2.31	106	.14	5	3.38	.01	.06	1	1
L1400E 200N	3	53	12	119	.4	110	19	1133	5.62	13	5	ND	1	15	1	2	3	105	.25	.129	8	334	1.64	98	.09	3	2.55	.01	.06	1	1
L1400E 150N	4	71	14	120	.7	81	15	781	3.69	11	5	ND	3	64	1	3	2	64	.80	.112	14	122	1.01	79	.06	8	1.87	.01	.07	1	3
L1400E 100N	1	136	7	92	.2	83	17	900	4.49	5	5	ND	1	89	1	2	2	89	1.01	.112	17	178	1.46	62	.07	3	2.72	.01	.07	1	1
STD C/AU-S	19	60	40	126	7.5	70	29	1102	4.15	41	22	8	42	52	18	17	20	62	.48	.090	40	61	.86	173	.08	37	1.87	.06	.14	14	50
L1400E 050N	1	47	6	84	.3	50	12	314	4.85	5	5	ND	3	25	1	2	2	102	.36	.076	11	127	1.18	34	.15	5	2.40	.01	.05	1	2
L1400E 000N	1	44	7	82	.3	94	16	497	5.49	2	5	ND	2	27	2	2	2	107	.49	.075	8	209	1.56	45	.19	7	2.50	.01	.07	1	1
L1400E 000S	1	45	12	93	.4	93	18	644	4.54	3	5	ND	2	37	1	2	2	106	.60	.061	7	201	1.67	54	.17	5	2.46	.01	.08	1	1
L1400E 050S	1	48	8	83	.1	38	14	445	5.99	3	5	ND	1	32	1	2	2	165	.81	.079	5	107	1.17	51	.22	7	2.36	.01	.08	1	1
L1400E 100S	1	68	13	88	.2	33	9	283	5.79	4	5	ND	2	33	1	2	3	112	.20	.125	9	74	.63	57	.13	5	2.35	.01	.05	1	1
L1400E 150S	1	35	9	67	.1	38	9	214	4.87	5	5	ND	2	33	1	2	2	115	.29	.065	9	106	.69	61	.18	7	1.97	.01	.04	1	5
L1400E 200S	2	74	11	82	.6	80	18	1342	4.25	9	5	ND	1	77	1	2	2	93	1.06	.104	9	173	.92	160	.07	6	2.46	.01	.05	1	1
L1400E 250S	1	41	8	53	.3	90	16	336	4.63	6	5	ND	2	62	1	2	2	122	.49	.081	5	202	1.60	88	.18	7	2.36	.01	.07	1	3
L1400E 300S	1	158	18	98	.2	91	36	1244	5.50	6	5	ND	1	84	1	2	2	87	.83	.143	4	182	1.73	326	.11	3	2.98	.01	.09	1	1
L1400E 350S	1	73	9	81	.1	98	25	456	5.77	5	5	ND	3	51	1	2	2	105	.41	.060	6	225	1.70	192	.18	4	2.77	.01	.06	1	1
L1400E 400S	2	100	6	185	.4	101	19	406	6.02	9	5	ND	2	70	2	2	2	102	1.14	.056	6	235	1.41	56	.13	2	2.59	.01	.07	1	2
L1400E 450S	3	93	8	161	.3	114	25	653	6.46	107	5	ND	3	31	1	2	2	106	.21	.063	9	210	1.55	69	.07	6	2.81	.01	.08	1	1
L1400E 500S	3	71	16	170	.1	123	30	585	6.43	24	5	ND	3	45	1	2	2	122	.47	.096	7	258	1.91	103	.15	5	2.75	.01	.09	1	1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L1400E 550S	3	72	4	152	.3	117	23	615	5.70	29	5	ND	3	48	1	2	2	115	.46	.065	7	246	1.89	108	.13	2	2.70	.01	.07	1	9
L1400E 600S	2	62	11	125	.5	124	21	497	5.78	19	5	ND	3	41	1	2	2	102	.31	.118	9	250	1.85	55	.12	2	2.52	.02	.07	1	1
L1400E 650S	6	120	9	259	.9	126	25	502	6.47	150	5	ND	3	37	1	4	2	102	.25	.110	10	265	1.87	135	.03	5	2.48	.01	.10	1	28
L1400E 700S	4	74	11	259	.6	108	25	503	5.95	93	5	ND	2	42	1	2	2	97	.32	.130	9	235	1.61	162	.06	4	2.45	.01	.10	1	12
L1400E 750S	3	52	10	138	.4	72	17	535	5.77	58	5	ND	2	50	1	2	2	124	.39	.094	7	203	1.19	159	.10	4	2.07	.02	.09	1	1
L1400E 800S	4	77	11	95	.6	113	20	362	5.49	52	5	ND	2	50	1	2	2	124	.28	.039	7	269	1.96	45	.14	2	2.39	.02	.09	1	4
L1400E 850S	4	125	8	96	.5	255	43	623	7.29	118	5	ND	3	52	1	2	2	162	.49	.035	4	632	4.86	43	.16	8	4.07	.01	.14	1	3
STDM C/AU-S	19	61	38	124	7.5	70	29	1059	4.12	38	21	8	42	51	18	18	22	60	.50	.090	39	60	.85	177	.08	36	1.89	.11	.12	15	53
L1400E 900S	2	62	11	79	.6	98	19	337	6.65	40	5	ND	2	36	1	2	2	127	.29	.100	7	293	1.88	52	.15	2	2.52	.02	.07	1	1
L1400E 950S	2	99	9	91	.7	171	30	624	6.07	32	5	ND	3	53	1	2	2	123	.44	.060	9	411	3.30	67	.16	2	3.17	.02	.11	1	6
L1400E 1000S	3	106	9	98	.2	142	32	832	5.67	27	5	ND	4	33	1	2	2	112	.37	.070	12	313	2.80	49	.15	2	2.74	.03	.07	1	3
L1600E 900N	2	64	8	73	.3	37	11	362	5.06	7	5	ND	1	22	1	2	2	98	.27	.070	8	75	.93	79	.13	2	2.95	.04	.03	1	1
L1600E 950N	2	42	8	71	.3	40	11	419	6.43	6	5	ND	2	28	1	2	2	151	.45	.074	6	118	1.13	55	.26	2	2.53	.03	.04	1	1
L1600E 800N	1	34	10	62	.5	23	7	364	4.65	4	5	ND	2	29	1	2	2	140	.38	.069	8	81	.73	48	.25	5	1.99	.04	.05	1	1
L1600E 750N	1	39	7	60	.4	35	9	608	4.77	4	5	ND	1	22	1	2	2	105	.43	.074	7	98	.87	39	.16	2	2.32	.03	.04	1	1
L1600E 700N	1	32	5	67	.4	22	8	566	4.89	2	5	ND	2	20	1	2	2	153	.64	.076	7	58	.65	67	.23	3	2.45	.03	.04	1	3
L1600E 650N	2	35	4	77	.6	37	11	716	6.29	2	5	ND	1	30	1	2	2	165	.49	.103	4	110	1.15	65	.26	2	2.63	.03	.05	1	3
L1600E 600N	1	32	5	61	.4	20	8	476	4.62	2	5	ND	1	35	1	2	2	120	.31	.059	5	64	.71	57	.19	2	2.15	.04	.05	1	8
L1600E 550N	1	29	4	62	.5	27	7	420	4.17	5	5	ND	1	25	1	2	2	100	.16	.056	8	95	.63	63	.11	4	2.04	.04	.04	1	1
L1600E 500N	1	30	11	66	.7	20	6	443	4.50	3	5	ND	2	24	1	2	2	87	.20	.063	9	65	.47	94	.10	3	1.78	.04	.06	1	1
L1600E 450N	3	34	10	78	1.4	37	8	569	4.82	6	5	ND	1	25	1	2	2	91	.15	.067	8	130	.74	82	.10	4	2.10	.04	.06	1	1
L1600E 400N	1	31	4	83	.4	107	17	536	4.78	4	5	ND	2	47	1	2	2	98	.45	.087	5	314	2.03	119	.18	2	2.25	.04	.06	1	1
L1600E 350N	3	32	5	76	1.1	64	11	505	4.95	4	5	ND	2	38	1	2	2	110	.24	.061	6	210	1.22	73	.18	2	2.24	.04	.04	1	1
L1600E 300N	3	35	4	95	.9	68	13	637	4.97	7	5	ND	1	34	1	2	2	99	.37	.064	6	220	1.26	134	.13	2	1.96	.04	.06	1	1
L1600E 250N	8	54	9	125	1.8	57	13	454	4.62	9	5	ND	1	36	1	2	2	93	.35	.088	14	166	.99	230	.05	2	2.45	.04	.07	1	2
L1600E 200N	5	56	8	115	.9	41	10	435	4.84	9	5	ND	1	21	1	3	2	72	.22	.082	11	97	.87	97	.04	2	2.16	.04	.05	1	1
L1600E 150N	3	43	12	95	1.1	62	12	602	4.63	7	5	ND	1	34	1	2	2	83	.32	.086	9	188	1.23	76	.08	4	2.37	.04	.06	1	1
L1600E 100N	3	32	9	81	.7	29	6	305	3.50	5	5	ND	1	17	1	2	2	70	.18	.086	9	100	.63	73	.05	2	1.90	.04	.07	1	1
L1600E 050N	2	41	2	95	.7	58	13	384	5.02	4	5	ND	2	21	1	2	2	81	.34	.096	12	134	1.12	50	.12	2	3.07	.04	.05	1	3
L1600E 000N	1	37	10	79	.5	69	13	441	4.50	3	5	ND	2	31	1	2	2	96	.53	.070	8	163	1.26	78	.15	2	2.22	.05	.06	1	4
L1600E 050S	3	73	8	67	.7	56	14	512	3.44	5	5	ND	1	61	1	4	2	83	.74	.093	13	130	.99	33	.06	3	2.30	.05	.05	1	1
L1600E 100S	2	115	6	103	1.5	79	15	1118	2.58	11	5	ND	1	118	1	2	2	70	1.33	.169	14	128	.83	52	.02	6	2.20	.05	.05	1	1
L1600E 150S	2	87	8	99	.5	55	20	1742	3.59	4	5	ND	2	88	1	2	2	74	.89	.086	11	108	.91	78	.07	2	2.03	.05	.05	1	1
L1600E 200S	1	52	11	92	.3	43	12	488	4.83	4	5	ND	1	45	1	2	3	82	.44	.069	12	106	.90	61	.11	2	2.46	.03	.05	1	1
L1600E 250S	2	87	7	85	.6	64	18	890	4.03	4	5	ND	1	68	1	2	2	83	.66	.068	10	127	.95	53	.08	2	2.53	.01	.05	1	1
L1600E 300S	1	90	22	78	.3	113	29	731	4.88	2	5	ND	1	58	1	2	2	76	.72	.084	4	270	1.49	211	.08	2	2.27	.01	.06	1	1
L1600E 350S	2	64	14	89	.2	69	28	1217	4.79	3	5	ND	2	53	1	2	2	87	.59	.113	8	162	1.04	167	.07	2	1.97	.01	.07	1	2

MINERAL METALS PROJECT 75007 FILE # 07 2017

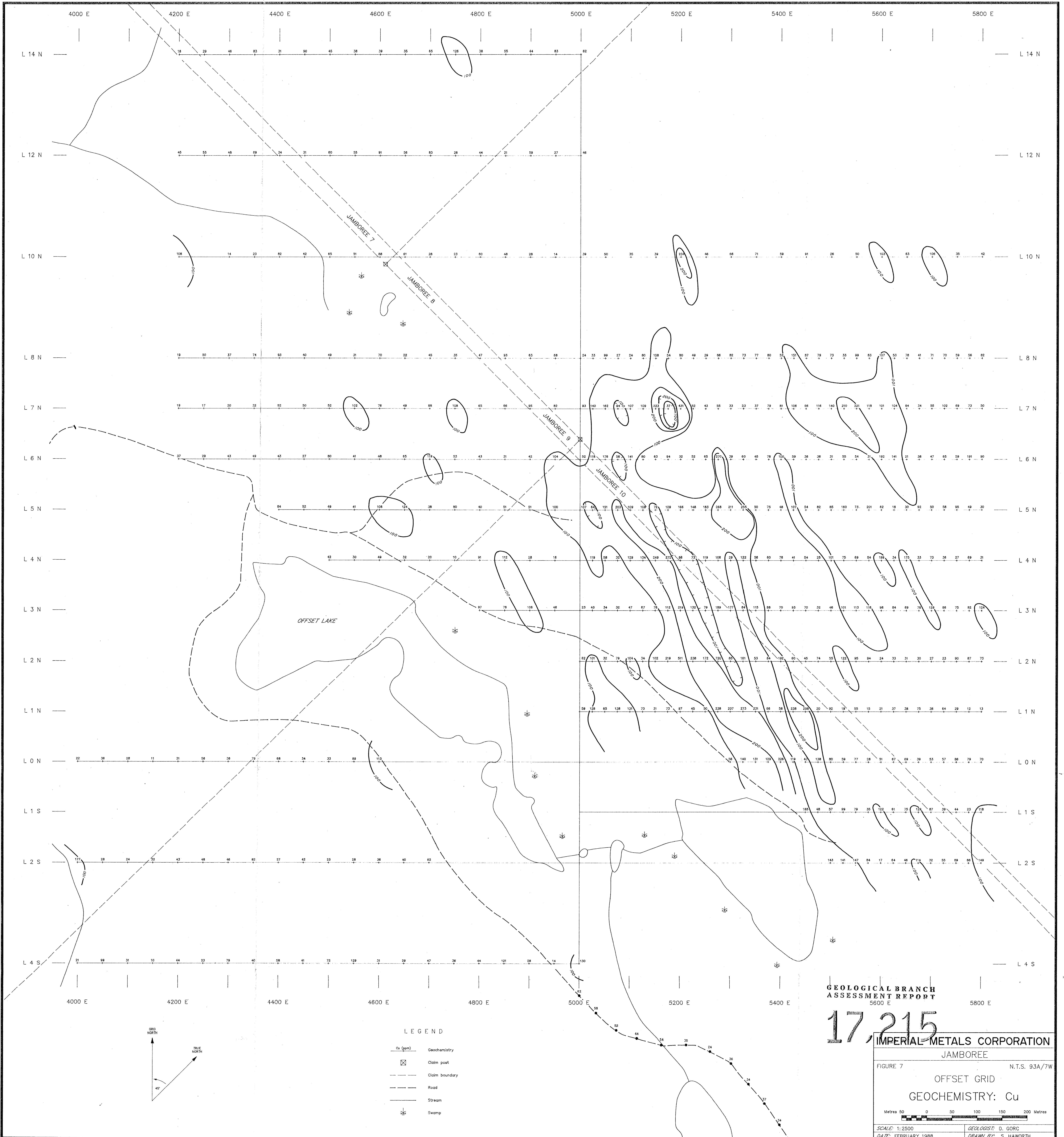
SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L1600E 400S	2	47	5	65	.1	108	17	365	4.32	2	5	ND	2	47	1	2	2	98	.40	.067	8	216	1.73	135	.18	2	2.34	.01	.06	1	1
L1600E 450S	1	45	3	101	.1	80	24	777	4.31	2	5	ND	1	78	1	2	2	82	1.05	.121	5	181	1.27	305	.10	5	1.95	.01	.09	1	1
L1600E 500S	1	45	5	221	.1	82	17	446	4.81	4	5	ND	1	50	1	2	2	99	.46	.107	6	197	1.44	135	.11	2	2.20	.01	.07	1	1
L1600E 550S	4	43	7	185	.5	56	15	567	4.35	16	5	ND	1	42	2	4	2	86	.39	.097	8	136	.89	122	.04	2	1.78	.01	.10	2	1
L1600E 600S	3	61	11	137	.3	80	19	666	4.80	14	5	ND	1	89	1	2	2	90	.76	.125	7	167	1.36	182	.09	2	1.91	.01	.10	2	1
L1600E 650S	3	55	8	114	.5	146	21	608	5.57	34	5	ND	1	45	1	2	2	138	.45	.093	4	419	2.70	140	.13	3	2.49	.01	.11	1	12
L1600E 700S	3	34	8	86	.1	48	11	250	4.30	10	5	ND	1	47	1	2	2	129	.32	.056	7	131	.92	75	.14	2	1.97	.01	.04	1	1
L1600E 750S	5	54	8	132	.2	37	12	438	5.23	29	5	ND	2	37	1	2	2	103	.22	.096	9	91	.64	100	.08	2	1.82	.01	.05	1	1
L1600E 800S	7	164	8	290	.3	72	27	693	7.57	43	5	ND	1	16	1	4	2	132	.14	.150	6	92	1.12	131	.05	2	3.91	.01	.08	2	3
L1600E 850S	28	87	19	420	.5	38	20	1210	7.59	47	5	ND	4	30	2	3	2	148	.25	.133	12	45	.65	149	.07	3	2.70	.01	.09	1	1
L1600E 900S	4	90	25	198	.1	56	18	664	4.61	29	5	ND	3	31	1	2	2	65	.41	.164	18	79	.80	174	.06	3	2.07	.01	.09	1	2
L1600E 950S	3	60	8	146	.6	246	47	1838	6.56	27	5	ND	1	99	1	2	2	149	.57	.180	4	721	5.27	191	.13	2	4.18	.01	.14	1	1
L1600E 1000S	3	27	10	70	.3	120	19	1047	3.85	5	5	ND	1	24	1	2	2	91	.35	.107	4	378	2.13	105	.14	3	1.81	.01	.09	1	1
L1800E 1300N	3	36	14	157	.8	22	9	464	3.92	4	5	ND	1	33	1	2	2	85	.39	.073	12	40	.60	304	.06	3	1.82	.02	.10	1	1
L1800E 1250N	2	119	12	102	.1	68	25	1536	6.18	7	5	ND	4	20	1	2	2	178	.32	.081	13	171	3.51	252	.05	3	3.45	.02	.07	1	1
L1800E 1200N	2	90	17	119	.9	16	12	593	4.13	6	5	ND	2	26	1	2	2	66	.17	.084	11	24	.62	983	.03	2	2.25	.01	.06	1	1
L1800E 1150N	2	74	4	66	.3	22	10	404	5.12	2	5	ND	2	12	1	2	2	176	.13	.032	7	52	1.05	113	.30	2	2.55	.02	.04	1	1
L1800E 1100N	1	62	10	62	.3	15	7	360	3.99	2	5	ND	1	18	1	2	2	137	.30	.053	7	36	.61	87	.17	4	1.75	.01	.03	1	2
L1800E 1050N	3	89	13	93	.1	28	19	1464	5.07	5	5	ND	1	17	1	2	2	137	.33	.103	8	56	.99	190	.08	2	2.34	.01	.05	1	2
L1800E 1000N	2	68	8	82	.1	30	10	486	6.20	2	5	ND	2	17	1	2	2	148	.22	.132	8	77	1.09	137	.10	4	3.02	.01	.04	1	1
L1800E 950N	2	37	10	53	.1	16	6	236	4.26	3	5	ND	1	20	1	2	2	93	.16	.073	9	42	.54	115	.08	2	2.19	.01	.04	1	2
L1800E 900N	2	33	4	52	.7	15	5	186	3.42	3	5	ND	2	21	1	2	2	87	.18	.058	9	43	.42	109	.12	2	1.73	.01	.04	1	1
L1800E 850N	1	30	8	57	1.0	18	6	187	4.43	3	5	ND	1	20	1	2	2	102	.17	.068	8	52	.44	111	.10	2	1.58	.01	.04	1	1
L1800E 800N	1	46	9	68	.1	25	8	340	3.89	2	5	ND	2	17	1	2	2	80	.19	.076	10	48	.72	113	.08	4	2.55	.01	.05	1	2
L1800E 750N	2	22	11	44	.1	11	4	128	3.36	2	5	ND	2	12	1	2	2	91	.11	.042	8	35	.30	73	.12	4	1.43	.01	.03	1	1
L1800E 700N	1	32	7	53	1.1	12	6	801	3.23	2	5	ND	2	12	1	2	2	77	.13	.100	7	42	.28	66	.05	5	1.50	.01	.04	1	1
L1800E 650N	2	41	3	72	.7	34	9	776	4.71	2	5	ND	1	16	1	2	2	91	.20	.092	7	114	.74	48	.09	2	2.43	.01	.04	1	1
L1800E 600N	2	28	5	63	.2	19	6	374	4.47	3	5	ND	1	18	1	2	2	89	.26	.068	8	46	.45	62	.11	2	1.72	.01	.05	1	7
L1800E 550N	1	34	5	70	.1	34	9	377	3.83	2	5	ND	2	28	1	2	2	72	.29	.072	10	72	.83	55	.09	2	2.94	.01	.05	1	1
L1800E 500N	3	30	10	69	.7	25	7	357	4.76	4	5	ND	2	19	1	2	2	79	.15	.068	8	65	.61	56	.09	2	2.14	.01	.05	1	1
L1800E 000S	2	37	10	67	.1	30	8	301	4.41	2	5	ND	1	29	1	2	2	109	.29	.059	8	92	.73	63	.17	2	1.98	.01	.05	1	2
L1800E 050S	2	53	6	85	.3	32	18	1010	5.45	3	5	ND	1	58	1	2	2	147	1.12	.093	4	89	1.12	81	.18	3	2.33	.01	.15	1	1
L1800E 100S	3	43	7	91	.3	29	19	1649	6.40	2	5	ND	2	67	1	2	2	180	.48	.105	6	96	.66	116	.23	2	1.85	.01	.05	1	1
L1800E 150S	2	42	9	93	.2	47	15	1786	4.68	3	5	ND	1	33	1	2	2	118	.46	.087	7	112	.79	131	.14	2	1.67	.01	.06	1	1
L1800E 200S	2	43	8	77	.1	40	13	509	5.01	3	5	ND	1	39	1	2	2	107	.50	.068	9	101	.93	59	.12	2	1.95	.01	.05	1	1
L1800E 250S	2	34	3	72	.1	25	8	559	3.90	3	5	ND	1	29	1	2	2	90	.28	.090	8	87	.44	87	.09	2	1.48	.01	.05	1	1
STD C/AU-S	20	61	38	131	7.6	71	29	1061	3.99	38	19	8	40	53	19	18	19	61	.49	.091	40	59	.88	178	.09	37	1.91	.06	.14	13	53

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
L1800E 300S	1	27	4	63	.2	19	7	207	3.81	3	5	ND	3	25	1	2	2	75	.22	.110	12	51	.52	42	.09	3	1.70	.01	.05	2	1
L1800E 350S	1	52	7	72	.3	34	10	244	5.14	3	5	ND	3	30	1	2	2	85	.27	.075	9	75	.69	63	.14	3	2.22	.01	.05	1	1
L1800E 400S	1	25	5	83	.1	61	13	429	3.87	2	5	ND	1	58	1	2	2	80	.37	.092	8	154	.95	113	.13	2	1.86	.01	.07	1	1
L1800E 450S	1	54	11	155	.4	26	24	1516	4.94	4	5	ND	3	62	1	2	2	102	.56	.154	7	59	.69	109	.16	4	2.31	.01	.07	1	3
L1800E 500S	2	55	15	134	.2	106	32	2752	4.11	5	5	ND	2	38	1	2	2	78	.42	.090	6	218	1.87	231	.13	2	2.71	.01	.06	1	1
L1800E 550S	1	45	2	64	.2	94	18	366	4.20	2	5	ND	3	40	1	2	2	86	.43	.062	8	191	1.69	64	.17	11	2.55	.01	.06	1	1
L1800E 600S	1	48	5	76	.4	76	24	830	3.60	2	5	ND	3	63	1	2	2	71	.60	.098	5	158	1.45	161	.15	5	2.15	.01	.09	1	1
L1800E 650S	1	67	10	239	.2	78	29	3258	3.90	2	5	ND	1	95	1	2	2	65	1.34	.202	5	145	1.24	600	.07	8	1.93	.01	.12	1	21
L1800E 700S	6	62	20	266	.7	62	23	870	5.27	28	5	ND	2	40	4	4	2	93	.44	.098	9	121	1.09	229	.04	5	2.38	.01	.13	1	1
L1800E 750S	4	56	7	138	.8	78	18	345	5.19	10	5	ND	2	57	4	2	2	103	.55	.056	7	169	1.31	89	.11	4	2.49	.01	.10	1	1
L1800E 800S	2	76	6	104	.3	80	21	408	4.98	11	5	ND	2	54	2	2	3	82	.44	.153	7	162	1.56	59	.10	4	2.31	.01	.07	1	7
L1800E 850S	2	32	6	95	.5	64	15	335	3.95	7	5	ND	3	37	1	2	2	81	.34	.088	7	164	1.40	71	.12	5	2.04	.01	.06	1	1
L1800E 900S	1	35	3	101	.2	62	16	566	3.65	10	5	ND	3	30	1	2	2	82	.33	.060	8	164	1.42	105	.12	3	2.21	.01	.07	1	1
L1800E 950S	3	45	10	127	.5	77	17	396	4.38	18	5	ND	2	21	1	2	2	91	.22	.072	9	186	1.56	59	.12	3	2.39	.01	.05	1	3
L1900E 1500N	1	29	4	73	.5	13	6	385	4.79	4	5	ND	1	17	1	2	2	89	.15	.085	9	37	.47	109	.07	4	2.05	.01	.04	1	1
L1900E 1450N	2	30	7	75	.7	14	5	276	4.56	7	5	ND	2	15	2	3	2	83	.13	.128	10	36	.46	84	.06	5	1.89	.01	.05	1	1
L1900E 1400N	2	49	7	117	.7	24	9	376	4.12	4	5	ND	1	23	1	2	2	67	.22	.097	11	53	.72	199	.03	3	2.24	.02	.05	1	1
L1900E 1350N	1	30	10	61	.2	10	4	198	3.07	5	5	ND	1	18	1	2	2	70	.15	.082	9	23	.31	87	.05	2	1.42	.01	.05	1	1
L1900E 1300N	1	35	8	93	.1	19	7	281	4.37	4	5	ND	2	19	1	2	2	81	.17	.076	10	46	.68	134	.08	5	2.21	.03	.05	1	1
L1900E 1250N	1	44	10	99	.3	13	7	409	4.15	7	5	ND	4	15	1	3	2	56	.09	.101	10	25	.57	281	.03	2	2.06	.03	.07	1	1
L1900E 1200N	1	52	6	84	.6	25	8	850	3.52	5	5	ND	1	26	1	2	2	68	.19	.104	11	61	.61	140	.03	9	2.01	.04	.06	1	1
L1900E 1150N	1	41	2	82	.4	21	8	288	5.41	2	5	ND	2	15	1	2	2	88	.14	.102	10	57	.66	74	.07	4	3.34	.04	.04	1	1
L1900E 1100N	1	39	3	72	.4	25	8	291	4.34	4	5	ND	1	24	1	2	2	80	.22	.106	9	64	.64	97	.08	5	2.31	.04	.04	1	1
L1900E 1050N	1	27	3	55	.3	22	6	259	3.40	3	5	ND	1	19	1	2	2	74	.19	.067	8	71	.54	80	.07	2	1.78	.04	.04	1	1
L1900E 1000N	1	39	5	66	.4	19	7	369	4.59	5	5	ND	1	13	1	2	2	82	.13	.085	9	52	.45	62	.08	4	2.59	.04	.04	1	1
L1900E 950N	1	36	5	59	.3	18	7	358	3.75	3	5	ND	2	15	2	2	2	73	.15	.132	8	51	.49	81	.03	4	1.84	.02	.05	1	1
L1900E 900N	1	23	2	49	.4	12	4	237	2.99	2	5	ND	2	17	1	3	2	59	.15	.069	9	40	.34	71	.08	4	1.62	.02	.04	1	5
L1900E 850N	1	45	10	155	.5	31	14	1755	3.79	2	5	ND	2	73	1	2	2	55	.99	.126	10	78	.74	157	.06	4	2.21	.01	.06	1	1
L1900E 800N	1	41	10	84	.4	34	13	788	4.07	4	5	ND	1	40	2	2	2	81	.44	.064	12	111	.85	85	.11	6	2.18	.01	.05	1	2
L1900E 750N	1	32	4	68	.3	23	8	527	4.01	2	5	ND	2	20	1	3	2	78	.23	.080	9	78	.54	94	.10	3	1.66	.01	.05	1	1
L1900E 700N	1	32	3	66	.3	22	7	224	3.90	3	5	ND	1	15	2	2	2	53	.18	.083	10	52	.51	66	.08	2	2.62	.01	.04	2	1
L1900E 650N	1	39	9	63	.5	14	6	342	4.07	2	5	ND	1	20	1	2	2	84	.24	.147	9	40	.37	77	.10	3	1.64	.01	.05	1	3
L1900E 600N	1	36	5	83	.8	25	9	625	4.14	5	5	ND	1	28	1	3	2	57	.22	.126	9	61	.70	119	.05	4	2.53	.01	.06	1	23
STD C/AU-S	18	63	40	132	7.4	68	30	1069	4.09	40	16	7	41	53	18	18	21	57	.51	.091	41	59	.91	181	.09	36	1.95	.07	.14	13	49

A P P E N D I X I V

GEOCHEMICAL RESULTS - DOREEN SHOWING

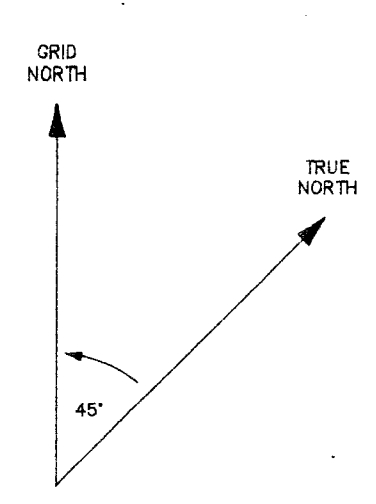
SAMPLE#	HQ PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
DOREEN-1R	37	828	4	27	1.0	5	28	433	8.33	5	5	ND	3	11	1	2	2	91	.22	.080	4	11	.81	37	.01	2	1.09	.01	.10	1	21
DOREEN-2R	10	453	5	50	.9	15	25	353	12.24	33	5	ND	3	20	1	6	3	50	.10	.069	5	23	.38	84	.03	2	.90	.01	.13	3	32
DOREEN-3R	1	484	3	32	.5	8	31	456	9.71	2	5	ND	3	9	1	2	5	158	.32	.084	5	36	2.11	36	.04	2	2.22	.01	.12	1	780
DOREEN-4R	1	424	12	217	.7	15	31	1008	9.59	4	5	ND	3	19	2	5	2	107	1.74	.073	8	21	1.58	61	.12	6	2.87	.02	.07	1	7
DOREEN-5R	1	137	3	26	.2	9	12	375	5.35	3	5	ND	2	14	1	2	2	85	.66	.086	9	18	1.01	40	.10	5	1.52	.02	.15	1	6
N. DOREEN-1R	2	151	6	37	.6	9	13	527	6.97	2	5	ND	3	51	1	2	2	76	.96	.213	9	16	1.00	131	.19	2	1.85	.01	.16	2	580
N. DOREEN-2R	1	301	6	37	1.0	10	18	642	8.12	8	5	ND	2	18	1	2	2	71	.69	.065	4	12	1.11	31	.18	2	2.09	.01	.16	2	1390
STD C/AU-R	19	59	41	132	7.5	67	28	1026	4.03	42	18	8	39	52	18	18	23	56	.49	.085	38	61	.89	179	.06	38	1.90	.06	.13	13	485

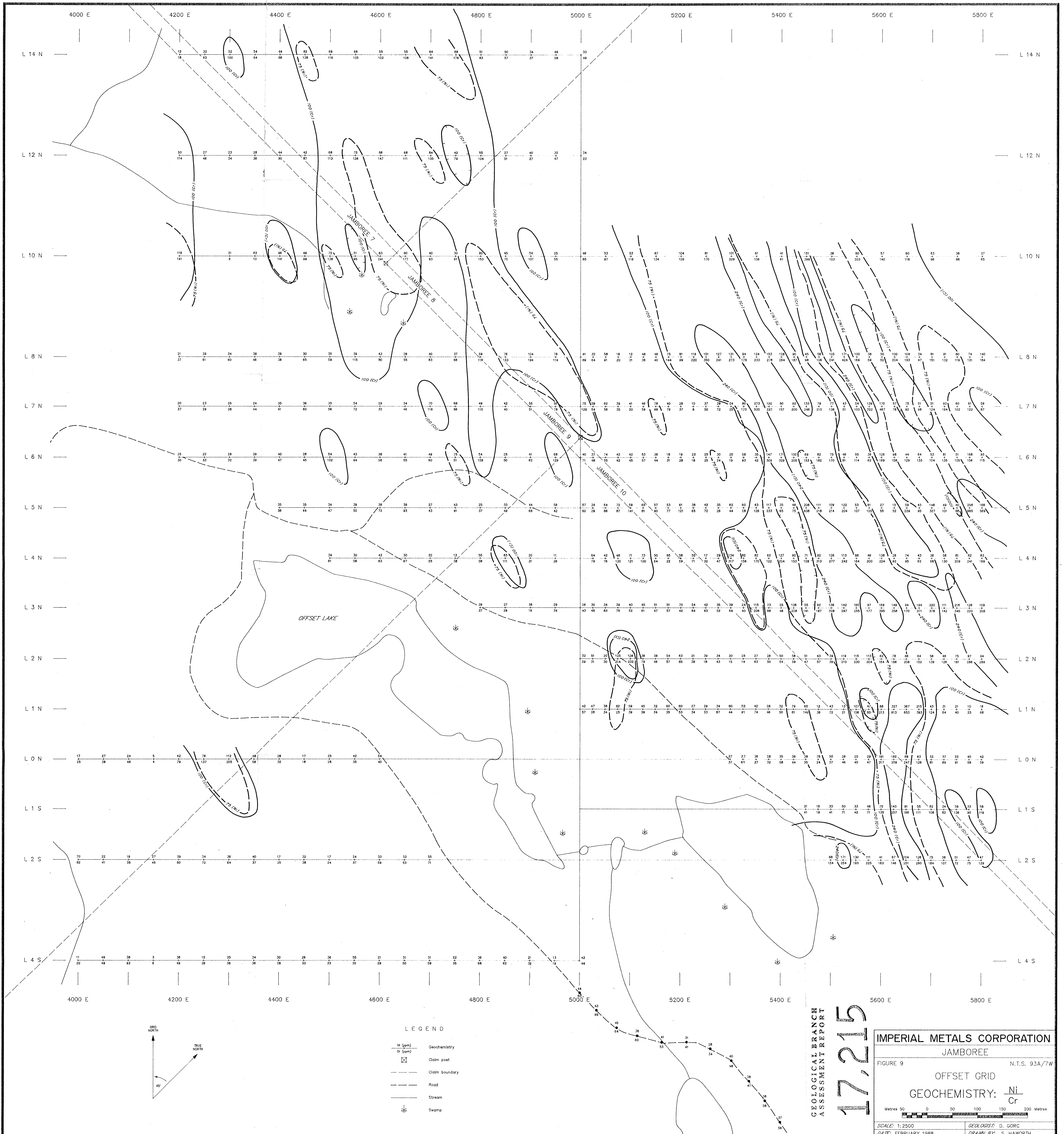


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IMPERIAL METALS CORPORATION
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 FIGURE 7 N.T.S. 93A/7W
 OFFSET GRID
GEOCHEMISTRY: Cu
 Metres 50 0 50 100 150 200 Metres
 SCALE: 1:2500
 GEOLOGIST: D. GORC
 DATE: FEBRUARY 1988
 DRAWN BY: S. HAWORTH

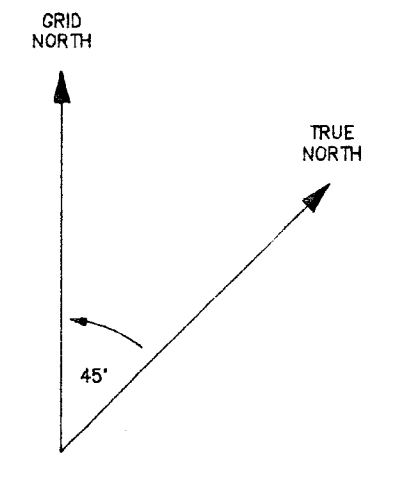
- LEGEND**
- Cu (ppm) Geochemistry
 - ☒ Claim post
 - - - Claim boundary
 - Road
 - Stream
 - ⊥ Swamp





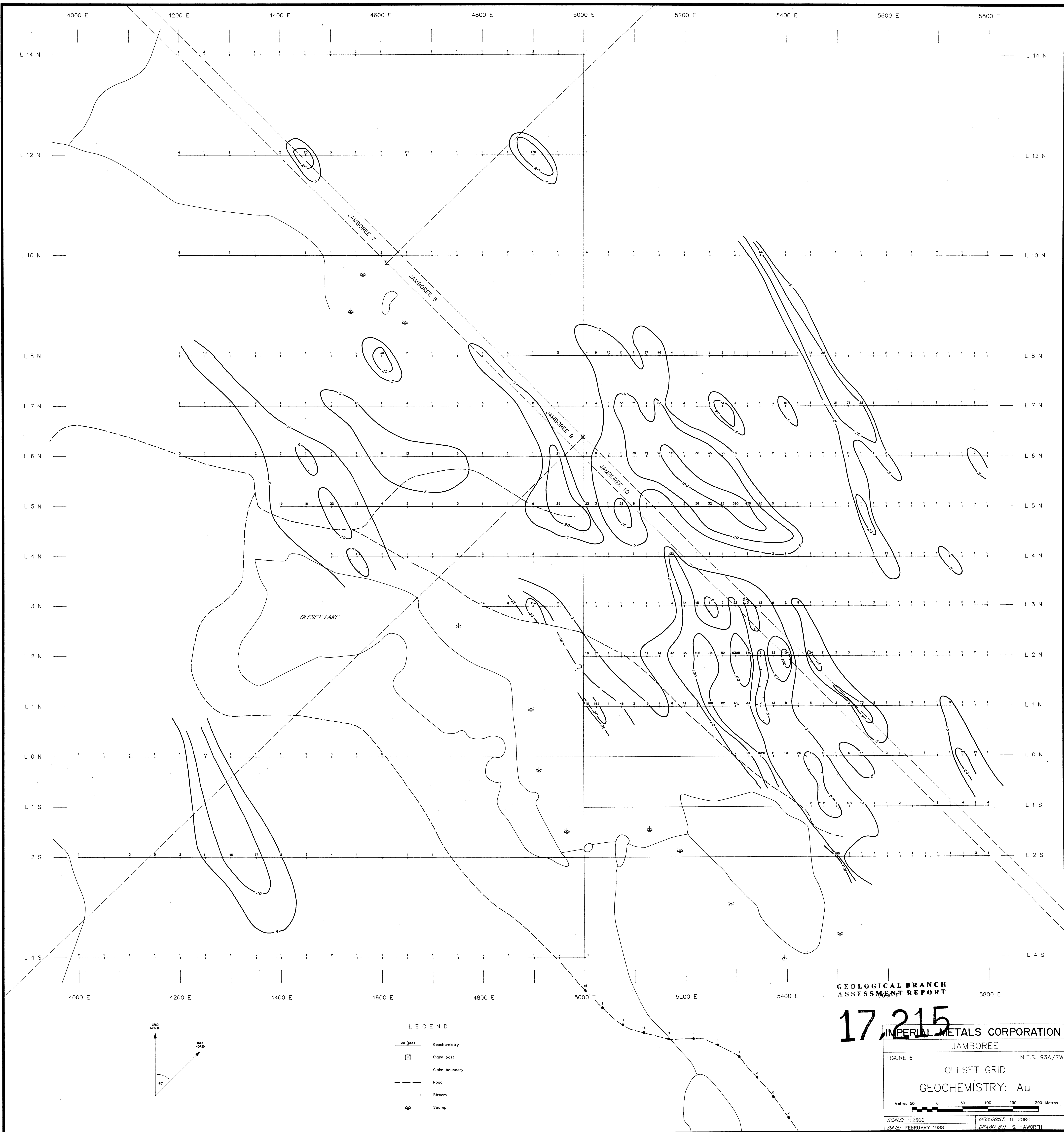
LEGEND

- Ni (ppm) Geochemistry
- Cr (ppm) Geochemistry
- ⊗ Claim post
- - - Claim boundary
- Road
- Stream
- ⊥ Swamp



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IMPERIAL METALS CORPORATION
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 FIGURE 9
 N.T.S. 93A/7W
 OFFSET GRID
 GEOCHEMISTRY: $\frac{Ni}{Cr}$
 Metres 0 50 100 150 200
 SCALE: 1:2500
 GEOLOGIST: D. GORC
 DATE: FEBRUARY 1988
 DRAWN BY: S. HAWORTH



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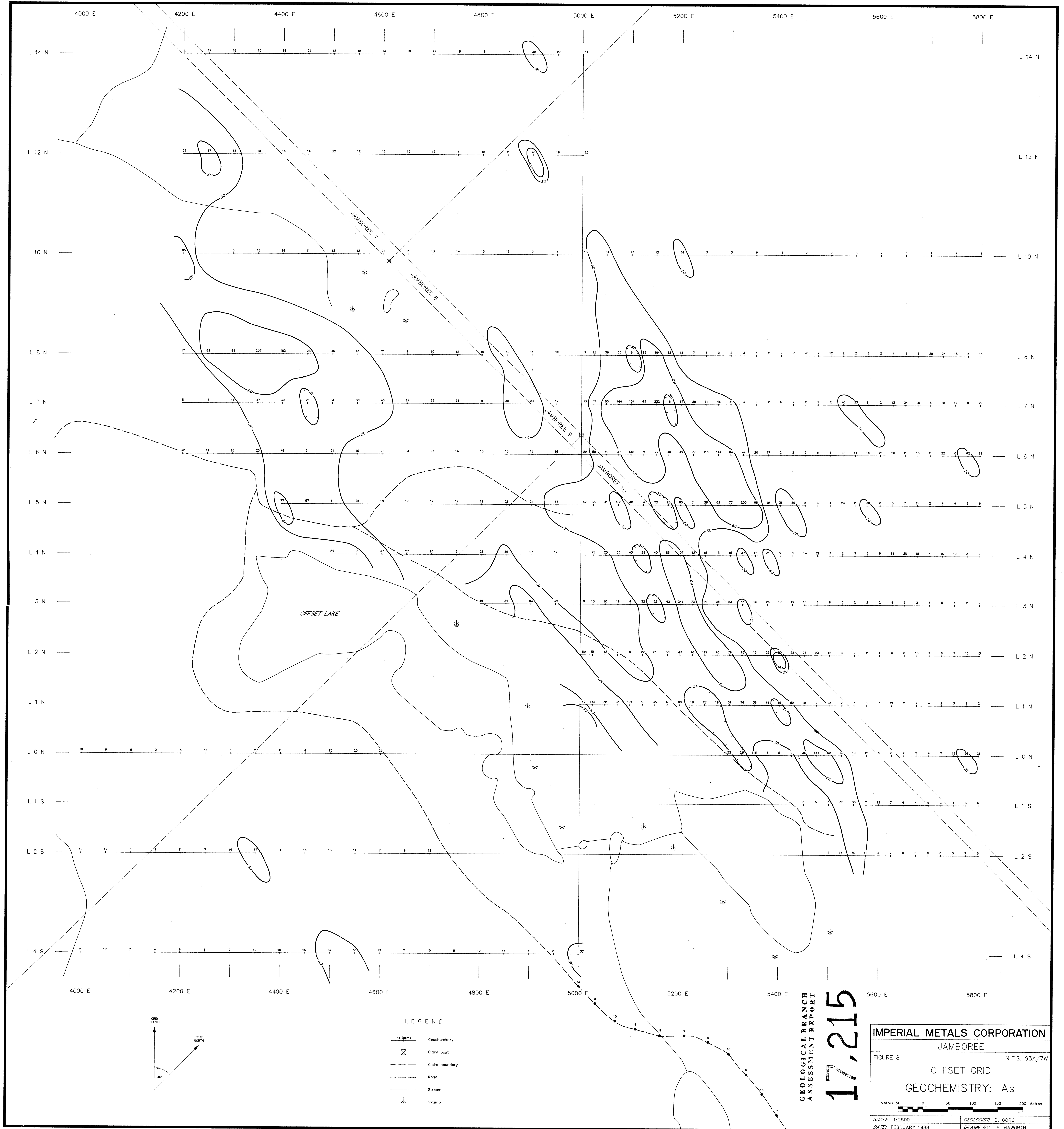
IMPERIAL METALS CORPORATION
JAMBOREE

FIGURE 6 N.T.S. 93A/7W

OFFSET GRID
GEOCHEMISTRY: Au

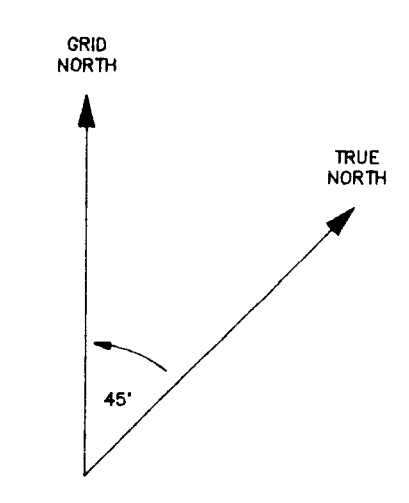
Metres 0 50 100 150 200 Metres

SCALE: 1:2500 GEOLOGIST: D. GORC
DATE: FEBRUARY 1988 DRAWN BY: S. HAWORTH



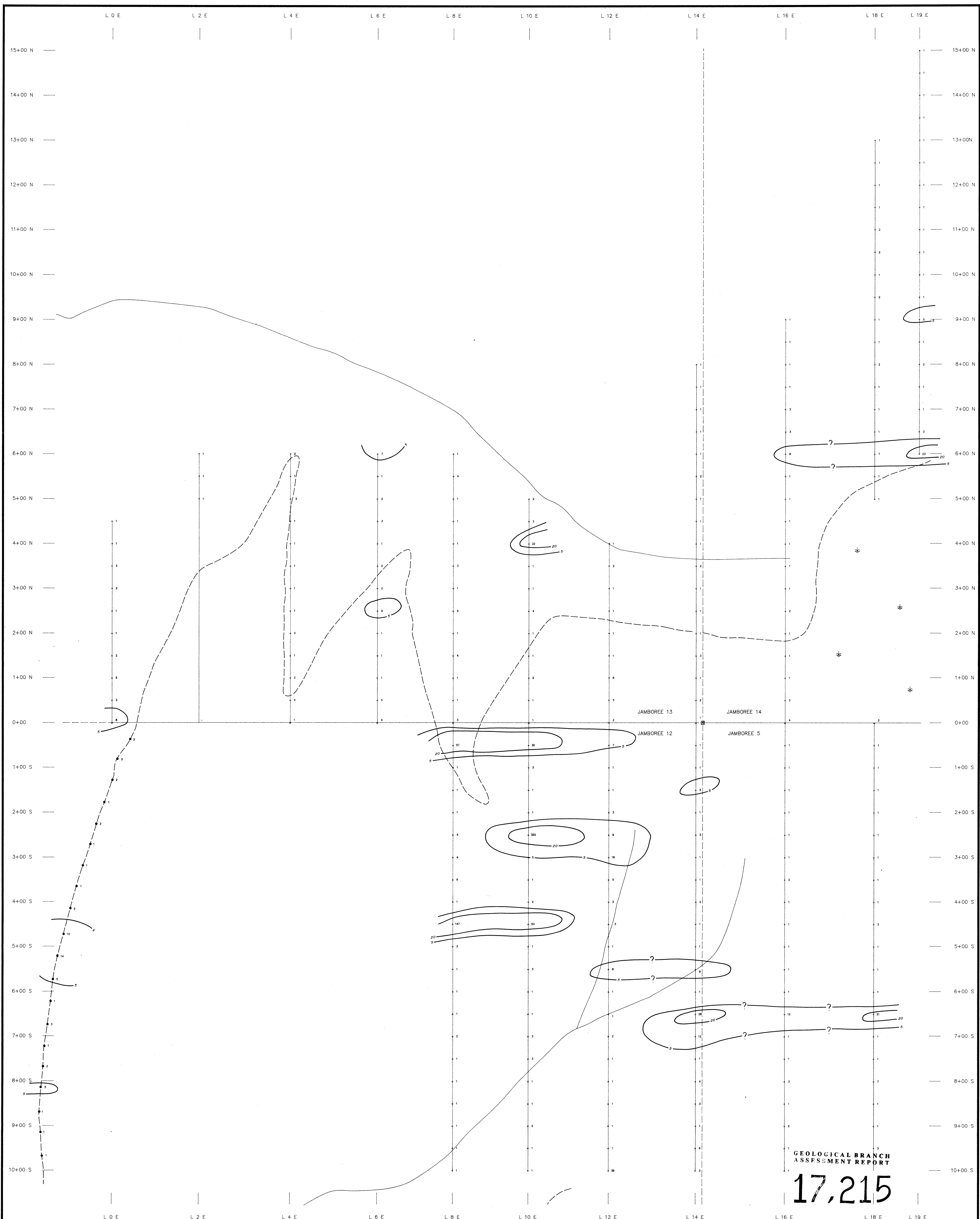
LEGEND

- ▲ (ppm) Geochemistry
- ⊠ Claim post
- - - Claim boundary
- Road
- Stream
- ⊥ Swamp



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IMPERIAL METALS CORPORATION	
JAMBOREE	
FIGURE 8	N.T.S. 93A/7W
OFFSET GRID	
GEOCHEMISTRY: As	
SCALE: 1:2500	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



GEOLOGICAL BRANCH
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LEGEND

- Au (ppm) Geochemistry
- ⊠ Claim post
- - - Claim boundary
- Road
- Stream
- ⊕ Swamp

IMPERIAL METALS CORPORATION
JAMBOREE
FIGURE 10 N.T.S. 93A/7W
NORTH GRID
GEOCHEMISTRY: Au
Metres 0 50 100 150 200
SCALE: 1:2500
GEOLOGIST: D. GORC
DATE: FEBRUARY 1988
DRAWN BY: S. HAWORTH