

87-583-16233

6/88

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT
ON THE
JAMBOREE #1, 3 AND 4 MINERAL CLAIMS 488

CARIBOO MINING DIVISION
NTS 93A/7W

LATITUDE $52^{\circ}15'N$; LONGITUDE $120^{\circ}58'W$
 $19'06''$ $52'42''$

FILMED

Owner/Operator: E&B EXPLORATIONS INC.
1440 - 800 West Pender Street
Vancouver, B.C.
V6C 2V6

Field Work Period: June 18 to June 24, 1987
Written By : Gary Roste, B.Sc.
Date of Report : August 25, 1987

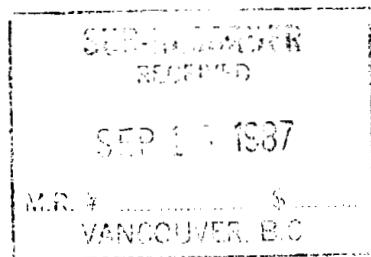
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,233

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SUMMARY AND RECOMMENDATIONS

The Jamboree claims are situated in the Cariboo Mining Division, 85 km east of Williams Lake, B.C. They are set within the Quesnel Trough, a belt of mesozoic volcanics and sediments. A dioritic intrusion on the western side of the property has caused local hornfelsing. Gold is associated with east-west shearing peripheral to the intrusion.

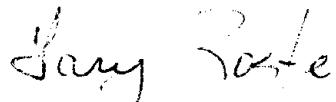
Results of previous exploration programs, beginning in 1981, have obtained encouraging results from several areas containing anomalous gold values. The 1987 program concentrates on the Ridge Area where both gold soil geochemical anomalies and airborne VLF-EM conductors are present (see Drawing J-87-3).

The 1987 program consists of magnetometer, VLF-EM and soil sampling on 17 kilometers of new grid on the Ridge Area. A total of 639 soil samples and 31 rock samples were collected and analysed for 30 elements, including gold.

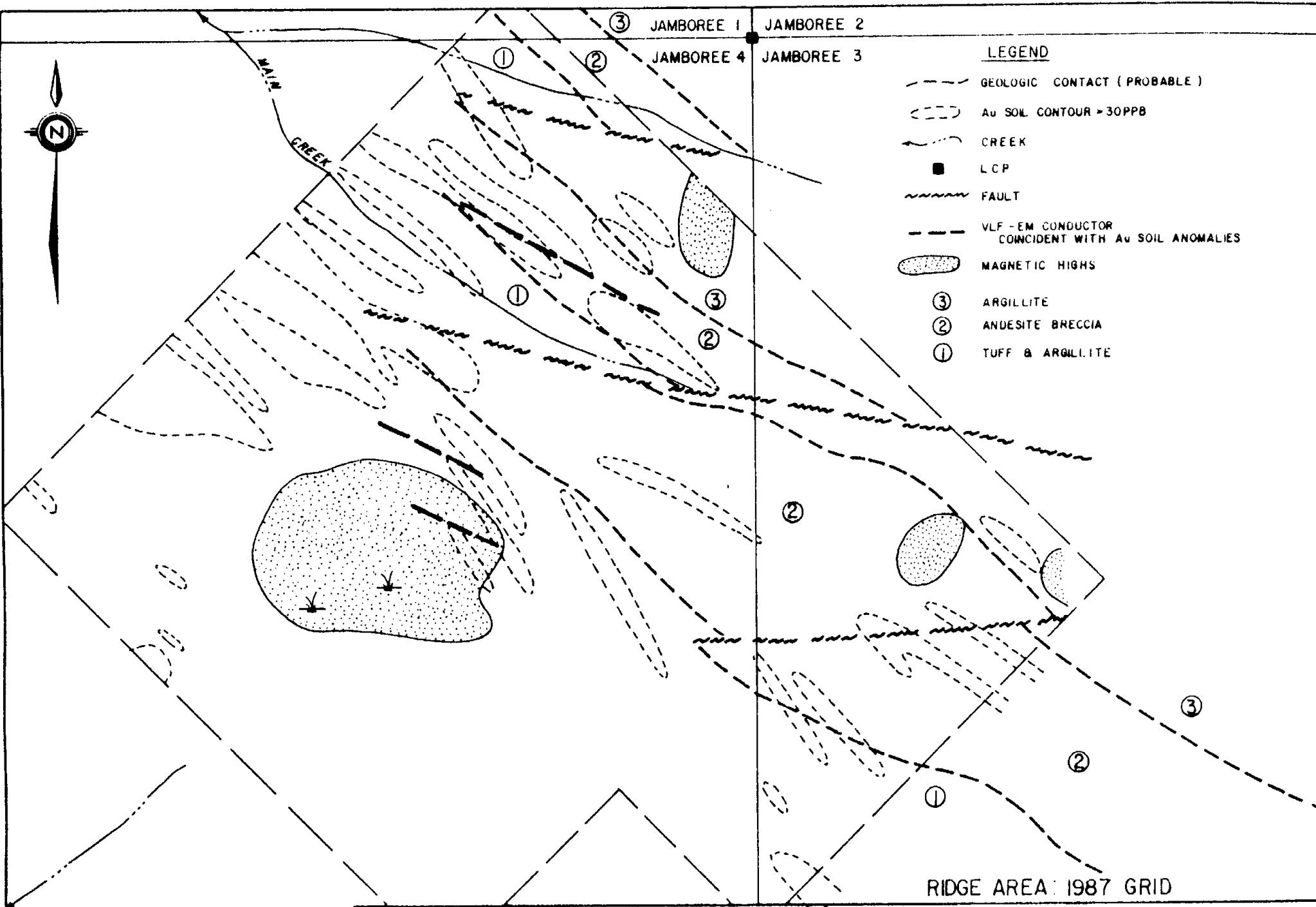
Results of the program are encouraging with several strong gold soil anomalies being outlined. These anomalies trend northwest and are parallel to numerous conductors delineated by the VLF-EM survey. Conductor A (see Drawing J-87-11) is coincident with a strong soil anomaly for over 700 metres. The magnetometer survey outlined four areas of higher magnetism which may be caused by small basic intrusions.

It is recommended that a program of fill-in magnetometer and VLF-EM surveys as well as detailed geologic mapping be completed on the 1987 grid area. Trenching should then be attempted across areas of coincident VLF-EM conductors and Au soil anomalies.

Respectfully submitted,



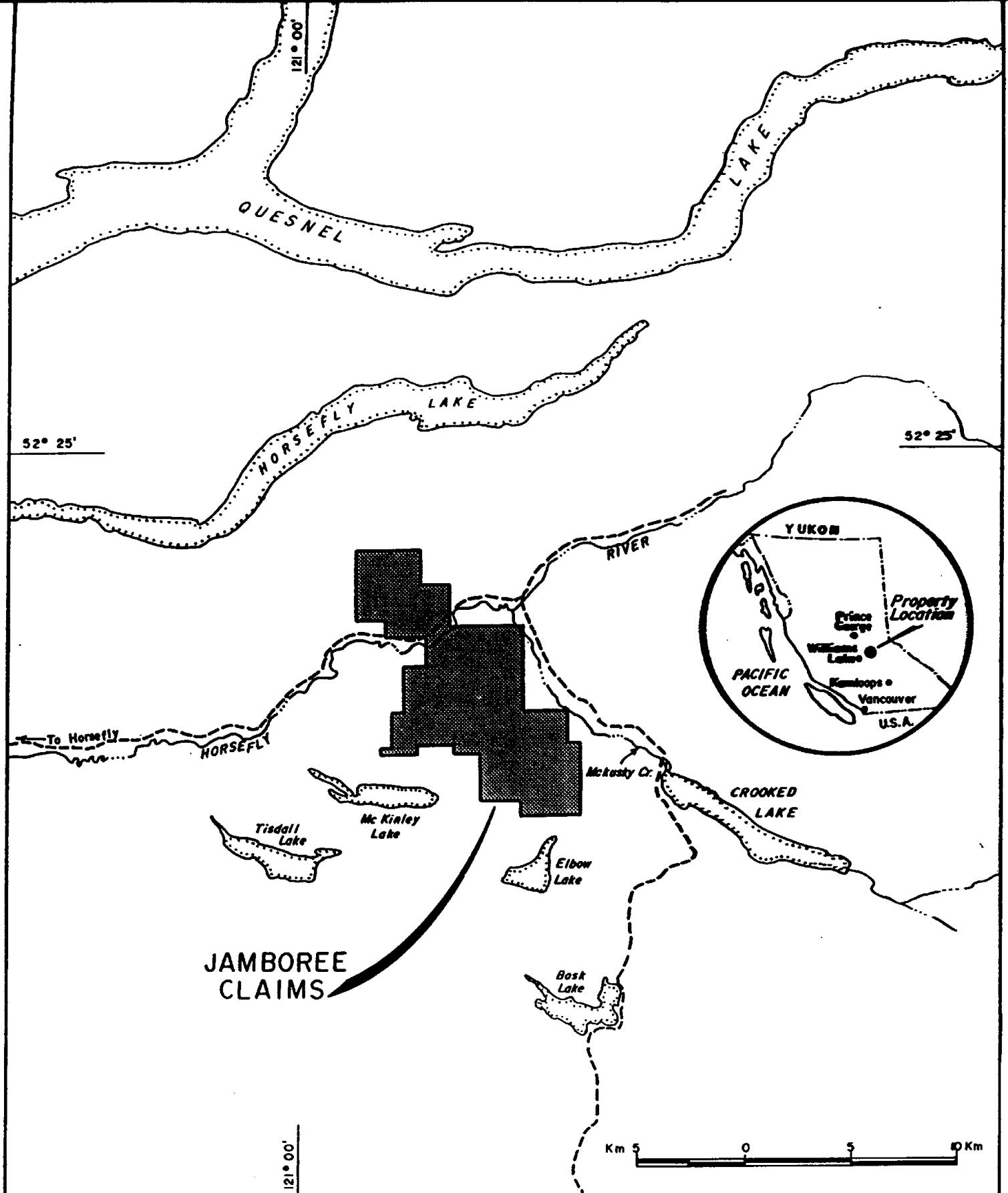
Gary L. Roste, B.Sc.
Project Geologist



Mascot Gold Mines Limited

JAMBREE PROPERTY
1987 COMPILATION MAP

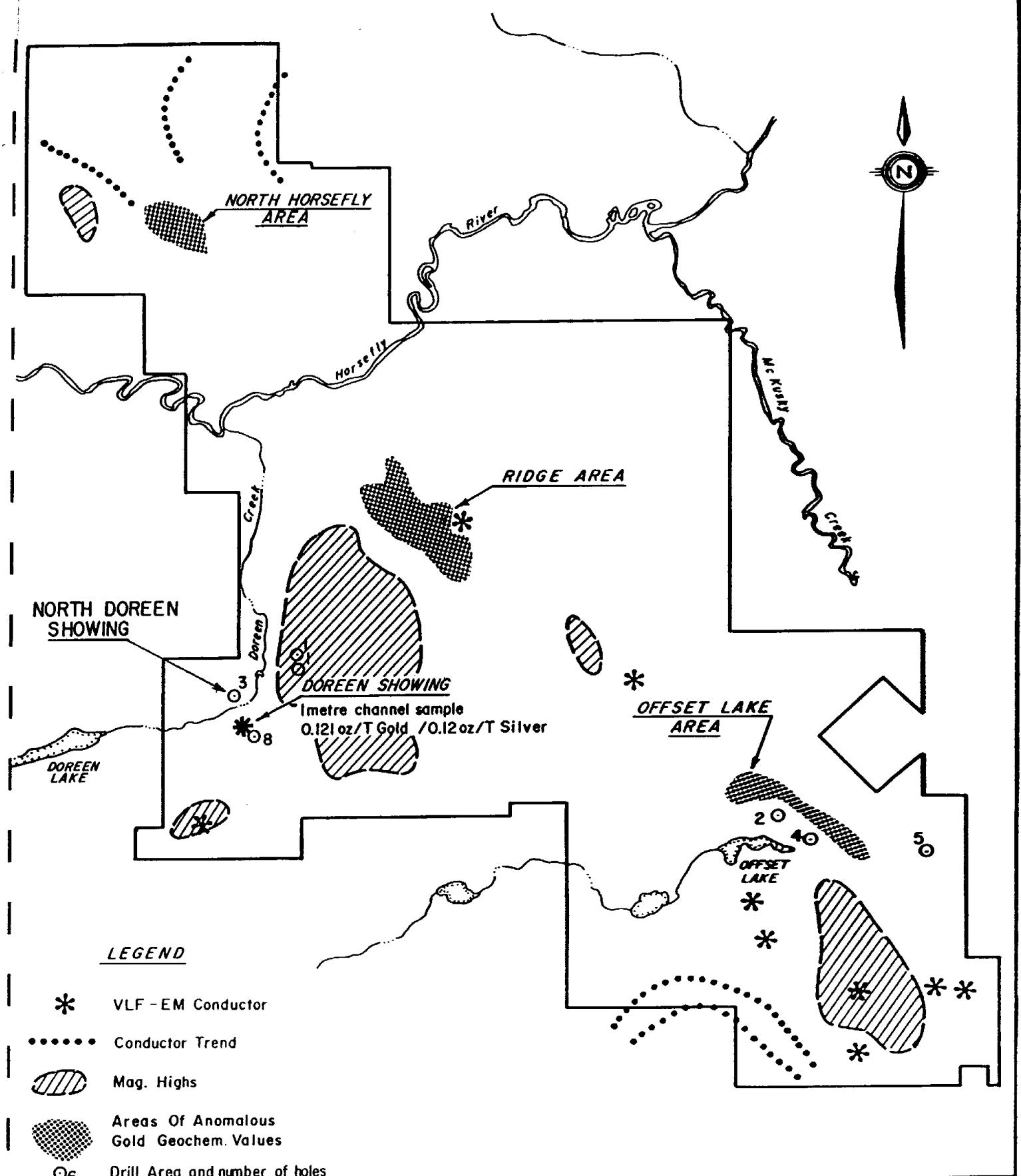
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E & B EXPLORATIONS INC.
VANCOUVER CANADA

JAMBOREE PROPERTY
GENERAL LOCATION MAP

DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING NO.
JULY 1987				1:250,000	J - 87 - 2



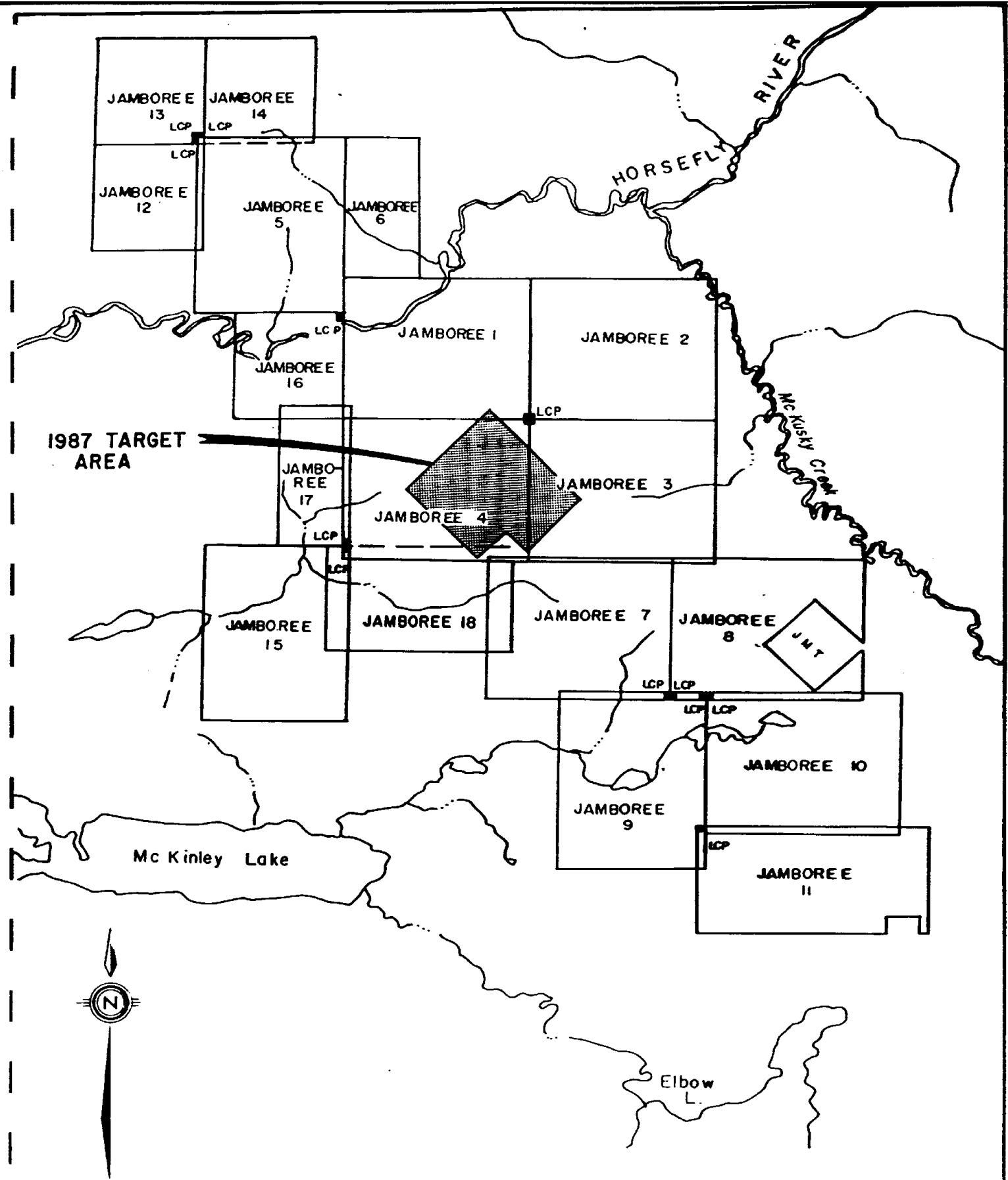
E & B EXPLORATIONS INC.

VANCOUVER

CANADA

JAMBOREE PROPERTY EXPLORATION HISTORY COMPILED

DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING NO.
JULY 1987				1:60,000	J-87-3



JAMBOREE PROPERTY
CLAIM MAP

SCALE

Metres 1000 500 0 1000 2000 3000
Kilometres 1 5 0 1 2 3

1.0 INTRODUCTION

The Jamboree 1-18 claims are situated in the Quesnel Trough, an area of Mesozoic volcanic and sedimentary rocks extending along the eastern edge of the intermontane belt. Within the claim group a mixed sedimentary-volcanic package has been exposed to mild regional metamorphism and intruded by a dioritic stock.

The claims were staked between June 1981 and July 1982 and exploration programs were carried out during 1982 and 1983. Results of these programs were encouraging.

This report details the 1987 exploration program which was carried out between June 18th and June 24th. The target area was the Ridge area (see Drawing J-87-3 and 4) which had previously yielded strong gold/arsenic soil anomalies as well as moderate gold anomalies from outcrop. The program consisted of soil geochemical, magnetometer and VLF-EM surveys on 17 km of new flagged lines which were added to the pre-existing grid. A total of 639 soil samples and 31 rock samples were taken and analysed for gold and 30 elements.

2.0 CLAIM STATUS

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

The Jamboree claim block consists of 18 modified grid claims totalling 290 units (see Drawing J-87-4). These claims are listed as owned by E&B Explorations Inc. but are subject to a joint venture partnership which also includes Geomex Development Inc., Ruanco Enterprises Ltd. and International Display Corporation.

3.0 LOCATION AND ACCESS

The Jamboree property is situated approximately 85 km east of Williams Lake, B.C. in the Cariboo Mining Division (see Drawing J-87-2). 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, however, the Ridge area is unaccessible by road thus necessitating the construction of a fly camp for the 1987 program.

4.0 PHYSIOGRAPHY

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.

5.0 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 metres. 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. This Ridge area is the focus of the 1987 exploration program (see Drawing J-87-3).

GEOLOGY

The Jamboree claims lie within the Quesnel Trough, a narrow strip of early Mesozoic volcanic - sedimentary rocks extending along the eastern edge of the Intermontane Belt. The trough is fault bounded against Paleozoic and older rocks a few kilometers to the east. The prevailing structural trend is northwesterly.

Lithologies

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

The regional bedding trend strikes north to 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 volcaniclastic sandstone near the top.

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 meters 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 contains 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. Local variations in the Offset Lake area include

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.

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 andrite 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.

Mineralization and Structure

Low concentrations of pyrrhotite and pyrite occur in all rock types. Pyrrhotite concentrations occur in the Doreen Creek area where argillites of unit 1 are intruded by the andesite/microdiorite of unit 4. Here the argillites may contain up to 5% pyrrhotite along with minor pyrite and chalcopyrite. Massive pyrrhotite veins, up to 30 cm in diameter are associated with areas of E-W faulting and shearing in the same area and locally contain gold concentrations in excess of 0.10 oz/ton. Conversely, zones of E-W faulting on the central hill tend to be low in sulfide content averaging around .5%.

Silicified phyllite zones underlying the andesite breccia unit northeast of Offset Lake may contain up to 5% pyrite. These zones commonly contain anomalous concentrations of gold (50-200 ppb) and arsenic (50-200 ppm). Coincident gold and arsenic anomalies in soils indicate that this mineral trend continues northwestward for at least five kilometers.

Several E-W faults were mapped on the central hill some of which displace stratigraphy from 50 to over 500 meters based upon mapping of the andesite breccia (unit 2). In the vicinity of these fault zones, the andesite breccia is often sheared intensely enough to destroy the breccia texture and the more incompetent argillite/tuff beds have been drag folded.

Environment of Deposition

The volcaniclastic-sedimentary sequence of rocks underlying the Jamboree claims was deposited in an island arc environment of quiet, basinal deposition interrupted by periodic volcanism.

The rock type variation of unit 1 indicates a period of increasing volcanic activity, probably from several distal sources, then a moderate decrease. The volcanic sandstone bed near the top of the sequence indicates the emergence of a nearby erosional source, most likely a volcanic center.

The volcanic-breccias of unit 2 appear to represent a marine laharic sequence. The chaotic nature of the breccias near Offset Lake compared with the more graded, uniform breccias near the center of the property indicates a southeastern source for the pyroclastic flows.

The andesite breccias mark the end of major volcanic activity in the area as they are overlain by the dominantly argillitic sediments of unit 3.

The dioritic rocks of unit 4 represent a subvolcanic system that was probably coeval with development of a volcanic center to the southeast.

7.0 1987 SUMMER PROGRAM

The 1987 summer program on the Jamboree claims concentrated on the Ridge area. New grid lines totalling 17 km were run off the existing baseline and soil geochemistry, magnetometer and VLF-EM surveys were carried out. Also, 31 rock samples were collected over the course of follow-up prospecting. Drawing J-87-4 shows the approximate coverage of the new grid lines.

7.1 Grid Emplacement

Grid emplacement for the 1987 summer program required running 12 lines totalling 17 km in length. These new lines were run off the old "baseline 3" established in 1982. The baseline azimuth is $135^\circ/315^\circ$ and the grid lines azimuth is $045^\circ/225^\circ$. The new grid lines were planned to fill in unsampled areas between the old grid lines. Spacing between the new lines is either 100 or 200 meters and is dictated by the position of the original grid lines. All lines extend 500 meters northeast of the baseline. All lines extend 1000 m southwest of the baseline except the two southeastern most lines which only extend 500 m southwest of the baseline.

Lines were run by hipchain and compass and marked by orange flagging. Stations were established every 25 meters and marked with both orange and blue flagging. Slope corrections were performed in areas with grades in excess of 10 degrees. These new grid lines will be referred to as the 1987 grid.

7.2 Geochemical Survey

A total of 639 soil samples and 31 rock samples were collected on the 1987 grid during the program. Soil sampling was performed using a soil mattock to obtain a sample of upper "B" horizon soil. Average sample depth was 20 cm. Soil samples were screened to minus 80 mesh and analysed for gold by atomic absorption and for 30 elements by ICP. Rock samples were crushed and pulverized to minus 100 mesh. Gold was analysed for by atomic absorption and for 30 elements by ICP. Geochemical analysis was carried out by Acme Analytical Laboratories of Vancouver, B.C.

Separate contour plans of gold and arsenic are included as Drawings number J-87-5 and J-87-6 respectively. Statistical analysis of the soil data by Acme Analytical Laboratories enabled accurate designation of threshold values. Threshold for gold is 30 ppb and for arsenic 200 ppm. Contour intervals above threshold were chosen to best highlight the profile of anomalous areas.

Of 639 soil samples analysed, 93 returned gold values equal to or greater than threshold. Of these, 8 samples were over 250 ppb Au with a maximum value of 590 ppb Au. Comparison of gold and arsenic plots confirms a strong association between these two elements.

The highest gold value obtained from the 31 rock samples was 113 ppb. Only 4 samples analysed 30 ppb or better. Rock sample locations are plotted with the Au soil data on Drawing J-87-5.

7.3 Geophysical Surveys

VLF-EM and Magnetometer surveys were conducted on the 1987 grid. Data was collected at 25 m intervals and was processed and

interpreted by E.R. Rockel of Interpretex Resources Limited. His detailed report is included as Appendix A.

7.3.1 VLF-EM Survey

The VLF-EM survey was conducted using a Geonics EM-16. The station used was Annapolis, Maryland which transmits on a frequency of 21.4 KHz. The bearing to this transmitter from the 1987 grid is 090°. Readings were taken facing south and were recorded from northeast to southwest.

Several weak conductors cross the grid area on a northwest to southeast trend (see Drawing J-87-11). Conductor A is parallel to the main creek where moderate shearing has taken place. Also the conductor is flanked by highly anomalous Au values in soils. These anomalies follow the conductor for over 700 meters. Southwest of the baseline there are several weak to moderate conductors. This area also contains several linear Au soil anomalies which trend in the same direction as the conductors but are generally not coincident with them.

Farther to the southeast, conductors G and I are coincident with moderate soil anomalies.

7.3.2 Magnetometer Survey

A magnetometer survey was completed on the 1987 grid using a Scintrex MP-2 total field magnetometer. The sensor was carried on the operator's back using the harness provided. A Scintrex MBS-2 total field magnetometer was used as a base station. The sensor was located at station L100+00N, 104+00E and readings were recorded manually every 15 minutes.

7.3.2 Magnetometer Survey (continued)

The magnetometer survey outlined four areas of higher magnetism (see Drawing J-87-11). These anomalous areas are roughly circular in plan and are mostly void of Au soil anomalies. VLF-EM conductors are also mainly absent within the magnetic anomalies. It is possible that small basic stocks may intrude the geologic package at some depth. These stocks may be related to the large diorite intrusive which outcrops to the west of the claim area.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The Jamboree claim group is underlain by mesozoic intermediate volcanics and volcaniclastic sediments. This package is intruded by a diorite intrusion on the western side of the property. The target of the 1987 program was an area known as the Ridge. Results of previous exploration showed that this area contained anomalous gold values in soils and rock as well as VLF-EM conductors.

The 1987 program was successful in delineating several strong gold soil anomalies. A VLF-EM survey located numerous shallow seated conductors with low to moderate conductance. One moderately strong conductor (labelled A on Drawing J-97-11) is coincident with a strong Au soil anomaly for a length of over 700 meters. A magnetometer survey outlined four areas of higher magnetism which may be caused by small basic intrusions.

Further exploration on the Jamboree claims should concentrate on the 1987 grid area. Detailed geologic mapping should be conducted. Also VLF-EM and magnetometer surveys should fill in areas where line spacing is 200 m apart. A trenching program is warranted in areas of coincident VLF-EM conductors and Au soil anomalies.

Respectfully submitted,

Gary L. Roste, B.Sc.
Project Geologist

STATEMENT OF COSTS

<u>Geochemical Analysis</u>	\$ 7,533.68
639 soil samples	
- Au + 30 element ICP @ \$11.00/sample	\$ 7,029.00
31 rock samples	
- Au + 30 element ICP @ \$16.28/sample	\$ 504.68
<u>Geochemical and Geophysical Surveys</u>	\$ 8,980.00
Renegade Mineral Exploration Services Ltd.	
- 18 km of soil sampling @ \$280.00/km	\$ 5,040.00
- 18 km of mag and VLF-EM @ \$180.00/km	\$ 3,240.00
- mobilization and demobilization	\$ 700.00
<u>Geophysical Consulting</u>	\$ 1,650.00
E.R. Rockel, Interpretex Resources Ltd.	
- 6 days @ \$275.00/day	\$ 1,650.00
<u>Helicopter Rental</u>	\$ 2,297.40
<u>Accommodation and Travel</u>	\$ 989.60
<u>Shipping</u>	\$ 28.55
<u>Field Salaries</u>	\$ 2,995.00
G. Roste 10 days @ \$155.00/day	\$ 1,550.00
M. Tindall 2.5 days @ \$250.00/day	\$ 625.00
K. McNaughton 4 days @ \$205.00/day	\$ 820.00
<u>Field Supplies</u>	\$ 593.80
<u>Report Preparation</u>	\$ 5,293.40
G. Roste 17 days @ \$155.00/day	\$ 2,635.00
Drafting	\$ 2,184.18
Supplies and Report Copying	\$ 474.22
<u>Supervision</u>	1,500.00
TOTAL EXPENDITURES	\$31,861.43

Statement of Costs
Page 2

DISTRIBUTION OF COSTS

JAMBOREE #1	10%	\$ 3,186.14
JAMBOREE #3	30%	9,558.43
JAMBOREE #4	60%	19,116.86
		<hr/> <u>\$31,861.43</u>

LIST OF RENEGADE FIELD PERSONNEL

Phil Chidazey
Jamie Goode
Mick Sidhu
Duane Thiessen
Gary Thompson

STATEMENT OF QUALIFICATIONS

I, Gary Roste, of 204-2185 W. 8th Avenue, Vancouver, B.C., V6A 2A5
state that:

- 1) I am a 1986 graduate of the University of British Columbia, Vancouver, B.C. with a B.Sc. degree in Geological Sciences.
- 2) I have been employed in the mining industry for two field seasons prior to my graduation and I have practiced my profession since May, 1986 as follows:

1987 Geologist
E&B Explorations Inc.
Vancouver, B.C.

1986 Geologist
MPH Consulting Ltd.
Vancouver, B.C.

1986 Geologist
Mark Management Ltd.
Vancouver, B.C.

- 3) I am presently employed as a geologist with E&B Explorations Inc., 1440-800 West Pender Street, Vancouver, B.C. V6C 2V6.
- 4) I am the writer of this report which is based on public and property reports plus on site investigation.
- 5) I was on site for the complete duration of the 1987 exploration program.
- 6) I have no interest, direct or indirect, in the property discussed in this report or in the securities of E&B Exploration Inc., Geomex Development Inc., Ruanco Enterprises Ltd. or International Display Corporation, nor do I expect to receive any.
- 7) This report may be used for the development of the property, provided that no portion may be used out of context in such a manner as to convey meanings different from that set out in the whole.
- 8) Consent is hereby given to Geomex Development Inc., Ruanco Enterprises Ltd. or International Display Corporation to reproduce this report in part or in whole for corporate purposes or purposes relating to the raising of funds by way of a prospectus and/or statement of material facts.

SIGNED at Vancouver, British Columbia this 8 day of SEPT., 1987.

Gary Roste

GARY L. ROSTE, B.Sc.

LIST OF REFERENCES

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LABORATORY REPORTS

APPENDIX A

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH王ML 3:1:2 HCL:HNO3:H2O AT 95 DEG.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 AND K. Au DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: PI-P1B SOIL -80 MESH, PI9 ROCK. Au ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 29 1987 DATE REPORT MAILED: July 3/87 ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

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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 %	Mg PPM	Ba PPM	Ti %	B PPM	Al %	Na PPM	K %	W PPM	Au PPB
109N 90+00E	9	54	12	154	.6	34	10	332	4.39	94	5	ND	1	17	1	2	2	48	.16	.122	13	31	.65	195	.01	2	1.53	.01	.12	1	13
109N 90+25E	25	52	10	173	1.2	37	9	268	3.84	50	5	ND	1	8	1	2	2	57	.05	.112	13	31	.42	185	.01	4	1.46	.01	.06	1	4
109N 90+50E	10	44	18	172	1.1	35	9	555	3.52	33	5	ND	1	18	1	2	2	50	.14	.106	13	28	.37	415	.01	2	1.17	.01	.08	1	1
109N 90+75E	23	41	15	181	1.1	33	10	571	3.58	53	5	ND	1	12	1	2	2	61	.08	.089	13	31	.34	293	.01	5	1.27	.01	.07	1	2
109N 91+00E	61	44	12	226	1.0	46	9	183	3.44	46	8	ND	1	19	2	2	2	77	.15	.075	15	29	.23	267	.01	2	1.05	.01	.08	1	25
109N 91+25E	15	34	10	173	.9	36	8	272	3.20	54	5	ND	1	21	1	2	2	53	.22	.068	12	24	.20	337	.01	2	.92	.01	.07	1	175
109N 91+50E	6	29	13	142	1.8	29	8	243	3.00	34	5	ND	1	19	1	2	2	62	.18	.085	12	35	.30	415	.01	2	1.31	.01	.06	1	20
109N 91+75E	6	49	12	139	1.2	25	11	904	3.55	22	5	ND	1	12	1	2	2	57	.08	.083	12	30	.40	418	.01	3	1.20	.01	.09	1	19
109N 92+00E	16	44	9	202	.6	36	8	282	3.74	21	5	ND	1	8	1	2	2	50	.07	.092	15	31	.37	192	.01	2	1.15	.01	.09	1	4
109N 92+50E	15	34	11	240	.7	34	10	544	4.54	53	7	ND	1	16	1	2	2	102	.09	.066	10	53	.47	314	.02	2	1.79	.01	.07	1	1
109N 92+75E	6	46	9	125	1.8	25	8	990	3.35	49	5	ND	1	7	1	2	2	46	.06	.098	9	39	.44	293	.01	4	1.10	.01	.09	1	9
109N 93+00E	4	28	7	96	1.3	20	6	352	2.87	33	5	ND	1	8	1	2	2	48	.06	.058	12	37	.33	117	.01	2	1.03	.01	.07	1	7
109N 93+25E	3	28	10	108	.8	19	6	446	3.37	54	7	ND	1	8	1	2	2	51	.05	.086	12	36	.32	139	.02	2	1.01	.01	.08	1	35
109N 93+50E	4	50	13	167	1.6	31	11	522	4.58	88	5	ND	1	11	1	2	2	56	.09	.116	12	57	.58	125	.02	2	1.49	.01	.09	1	44
109N 93+75E	3	38	6	118	.9	20	7	538	3.50	59	5	ND	1	6	1	2	2	56	.05	.077	10	38	.40	169	.01	2	1.41	.01	.07	1	30
109N 94+00E	4	50	11	120	1.0	22	7	370	3.78	82	5	ND	1	5	1	2	2	45	.03	.087	10	32	.32	119	.01	2	1.28	.01	.07	1	31
109N 94+25E	4	32	11	103	2.5	22	6	263	3.09	58	8	ND	1	7	1	2	2	57	.04	.068	12	34	.31	129	.02	2	1.05	.01	.07	1	44
109N 94+50E	5	48	11	152	5.2	27	9	324	4.73	91	5	ND	1	8	1	3	2	60	.05	.081	10	51	.48	158	.01	2	1.71	.01	.06	1	71
109N 94+75E	5	33	12	131	1.1	23	8	414	3.83	50	5	ND	1	9	1	2	3	70	.06	.055	12	48	.50	147	.02	2	1.60	.01	.06	1	91
109N 95+00E	7	35	13	237	1.0	37	11	673	4.75	79	6	ND	1	13	2	2	3	71	.08	.080	11	53	.49	242	.01	2	1.72	.01	.07	1	37
109N 95+25E	4	37	14	114	.6	21	8	332	4.21	60	5	ND	1	8	1	3	2	65	.04	.068	11	52	.45	125	.02	2	1.60	.01	.05	1	70
109N 95+50E	3	151	12	190	1.5	79	14	1384	3.53	48	5	ND	2	124	5	2	2	57	1.24	.122	13	56	.73	298	.02	6	1.67	.01	.08	1	24
109N 95+75E	3	24	8	85	1.0	17	5	222	2.27	31	5	ND	1	8	1	2	2	47	.06	.044	11	27	.24	104	.01	4	.96	.01	.05	1	109
109N 96+00E	7	48	12	149	1.3	33	10	445	4.27	43	5	ND	1	7	1	2	2	56	.07	.096	13	45	.53	160	.01	4	1.43	.01	.08	1	16
109N 96+25E	8	26	13	100	.9	21	5	363	2.67	26	7	ND	1	10	1	2	2	58	.11	.098	13	28	.27	131	.02	2	.88	.01	.08	1	10
109N 96+50E	3	39	13	114	.7	30	8	304	3.95	40	5	ND	1	9	1	2	2	56	.09	.154	12	43	.64	102	.02	2	1.29	.01	.07	1	12
109N 96+75E	2	35	7	76	.7	19	7	532	2.34	25	9	ND	1	9	1	2	2	41	.05	.074	14	24	.23	117	.01	2	.87	.01	.05	1	83
109N 97+00E	3	37	10	119	1.9	25	9	563	4.41	49	5	ND	1	8	1	2	2	75	.06	.063	11	47	.68	145	.02	2	1.62	.01	.07	1	24
109N 97+25E	4	30	14	115	2.1	20	6	221	4.85	68	5	ND	1	7	1	3	2	68	.07	.122	13	41	.42	88	.02	2	1.60	.01	.05	1	9
109N 97+50E	4	53	10	136	.7	31	12	515	4.58	84	6	ND	2	9	1	2	2	55	.08	.094	14	55	.74	97	.02	4	1.92	.01	.08	1	109
109N 97+75E	3	31	6	92	.2	21	8	538	3.49	53	5	ND	1	9	1	2	2	64	.06	.086	15	41	.54	80	.03	2	1.09	.01	.08	1	22
109N 98+00E	3	32	12	90	.4	17	7	174	3.33	55	8	ND	1	7	1	2	2	62	.05	.041	13	40	.44	86	.03	2	1.63	.01	.06	1	58
109N 98+25E	3	29	13	81	.2	20	6	127	3.36	67	5	ND	2	6	1	2	2	79	.03	.052	15	39	.34	82	.03	2	1.46	.01	.05	1	30
109N 98+50E	4	34	11	91	1.7	22	7	261	3.19	68	5	ND	1	8	1	2	2	54	.05	.052	13	35	.41	85	.02	2	1.12	.01	.06	1	72
109N 98+75E	5	42	11	106	.4	19	8	380	3.99	78	8	ND	1	8	1	2	2	61	.05	.092	14	30	.35	82	.02	3	1.19	.01	.07	1	10
109N 99+00E	5	39	15	105	.9	24	9	438	4.58	75	5	ND	1	6	1	2	2	54	.03	.073	13	48	.56	59	.01	10	1.38	.01	.06	1	15
STD C/AU-S	19	61	38	135	7.0	68	29	1009	4.06	40	19	8	35	48	17	16	22	62	.48	.081	36	58	.92	182	.08	37	1.69	.07	.14	14	51

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SAMPLE#	NO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	NM PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SD PPM	BI PPM	V PPM	CA PPM	P PPM	LA PPM	CR PPM	Mg %	BA PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AUS PPB
109N 99+2SE	4	47	10	127	.8	29	9	205	4.58	87	5	ND	1	11	1	2	2	45	.07	.088	15	54	.58	79	.02	3	1.73	.01	.09	1	36
109N 99+5OE	5	84	17	150	.4	30	13	316	5.70	134	5	ND	1	9	1	3	2	64	.04	.075	15	44	.53	79	.01	3	1.63	.01	.07	1	8
109N 99+7SE	6	135	11	195	.3	20	13	357	4.81	86	5	ND	1	7	1	2	2	63	.03	.079	9	19	.30	121	.01	4	1.43	.01	.10	1	25
109N 100+0OE	10	143	30	318	.3	37	24	1213	6.85	303	5	ND	2	7	3	2	2	42	.04	.160	11	15	.38	128	.01	2	2.35	.01	.09	1	10
109N 100+2SE	7	141	22	207	.1	57	25	966	5.76	356	5	ND	1	21	1	8	2	55	.10	.104	13	65	.60	148	.01	3	1.74	.01	.08	1	175
109N 100+5OE	8	125	19	172	.2	97	27	705	6.91	593	5	ND	1	68	1	15	3	108	.17	.199	9	208	.75	145	.01	4	1.43	.04	.09	1	16
109N 100+7SE	6	104	18	134	.2	29	12	416	5.58	169	5	ND	1	10	1	4	2	68	.04	.077	11	41	.51	132	.01	4	1.62	.01	.08	1	11
109N 101+0OE	8	139	24	199	.4	49	29	780	6.01	1017	5	ND	1	13	1	18	2	32	.10	.065	17	34	.31	150	.01	2	1.34	.01	.08	1	520
109N 101+2SE	9	239	27	271	.2	98	47	2268	9.01	245	5	ND	1	47	2	3	2	74	.51	.114	12	35	.57	364	.01	2	1.25	.01	.13	1	115
109N 101+5OE	6	80	16	248	.5	84	21	395	5.11	113	5	ND	3	20	2	3	2	94	.14	.088	13	97	.97	224	.02	2	2.30	.01	.14	1	18
109N 101+7SE	3	37	6	190	.8	38	11	239	3.88	35	5	ND	2	13	2	2	2	73	.11	.108	16	78	.81	108	.05	2	1.80	.01	.12	1	1
109N 102+0OE	2	49	14	119	.6	56	16	264	3.59	36	5	ND	2	14	1	2	2	56	.13	.048	19	100	.98	107	.06	2	1.88	.01	.09	1	1
109N 102+2SE	2	32	18	114	.3	29	9	233	4.57	27	5	ND	3	14	1	2	2	80	.13	.121	19	65	.69	104	.05	2	1.74	.01	.10	1	1
109N 102+5OE	1	35	12	77	.2	41	11	379	3.59	31	5	ND	1	22	1	2	2	97	.21	.045	12	101	.80	105	.14	5	1.74	.01	.06	1	17
109N 102+7SE	1	28	9	73	.1	15	6	168	3.06	15	5	ND	1	23	1	2	2	86	.22	.074	16	44	.40	89	.08	5	1.36	.01	.07	1	4
109N 103+0OE	2	46	9	103	.2	31	11	194	3.65	25	5	ND	3	17	1	2	2	67	.15	.038	20	71	.66	109	.06	3	2.07	.01	.09	1	3
109N 103+2SE	1	31	11	77	.2	15	5	156	3.66	38	6	ND	1	19	1	2	2	89	.12	.073	11	43	.42	60	.08	3	1.54	.01	.06	1	82
109N 103+5OE	1	44	16	88	.2	16	11	747	4.13	24	5	ND	2	46	1	2	2	109	.25	.094	11	46	.48	111	.12	3	1.66	.01	.07	1	34
109N 103+7SE	1	36	11	74	.3	13	8	667	2.72	38	6	ND	1	20	1	2	2	83	.15	.057	12	36	.35	113	.05	2	1.43	.01	.05	1	28
109N 104+0OE	2	32	15	97	.3	21	8	301	3.06	65	5	ND	1	10	1	2	2	68	.07	.067	15	45	.41	124	.05	2	1.20	.01	.09	1	2
109N 104+2SE	2	29	11	102	.4	20	7	507	2.94	27	5	ND	1	20	1	2	2	55	.20	.079	12	42	.49	94	.03	2	1.13	.01	.07	1	1
109N 104+5OE	3	37	11	130	.1	33	10	539	2.86	35	5	ND	1	20	1	2	2	44	.13	.072	15	55	.61	92	.02	2	1.33	.01	.09	1	1
109N 104+7SE	4	43	15	103	1.0	40	14	575	4.51	47	5	ND	1	26	2	2	2	48	.21	.149	15	63	.67	87	.02	5	1.78	.01	.11	1	1
107N 90+0OE	3	42	12	127	.1	34	9	450	3.13	25	5	ND	1	18	1	2	4	44	.14	.077	16	49	.70	130	.02	2	1.42	.01	.13	1	1
107N 90+2SE	7	67	11	186	.2	44	10	157	3.32	31	5	ND	2	20	1	4	2	50	.14	.117	19	36	.35	251	.01	3	1.57	.01	.12	1	2
107N 90+5OE	29	49	27	263	.9	47	11	135	3.53	27	6	ND	2	14	1	2	2	93	.10	.093	21	45	.53	392	.01	3	1.78	.01	.12	1	1
STD C/AU-S	20	61	42	134	6.9	66	29	1602	3.73	39	22	8	34	48	18	15	22	61	.45	.086	37	58	.83	174	.09	37	1.66	.07	.14	14	51
107N 90+5OE	89	103	19	204	.7	84	11	114	3.86	35	5	ND	2	16	2	8	2	61	.09	.092	20	27	.30	344	.01	5	1.19	.01	.11	1	6
107N 90+7SE	5	21	8	90	.3	20	4	47	1.61	8	5	ND	1	9	1	2	2	62	.06	.028	22	25	.18	193	.01	2	.97	.01	.08	2	1
107N 91+0OE	31	50	15	201	.6	41	9	112	2.96	47	5	ND	1	16	1	2	2	83	.09	.061	20	42	.32	359	.01	2	1.45	.01	.09	1	1
107N 91+2SE	22	25	15	133	1.1	24	6	177	2.51	18	5	ND	1	14	1	2	2	75	.11	.067	15	35	.29	169	.03	3	1.16	.01	.10	1	1
107N 91+5OE	3	17	5	87	.7	17	5	133	1.63	13	6	ND	1	15	1	2	2	44	.13	.037	16	27	.24	190	.04	2	.81	.01	.10	1	1
107N 91+7SE	29	28	12	108	.9	25	6	126	2.36	21	5	ND	1	13	1	2	2	72	.08	.043	16	34	.29	213	.03	2	1.25	.01	.08	1	1
107N 92+0OE	3	28	10	112	1.1	23	7	492	2.57	24	5	ND	1	16	1	2	2	60	.12	.054	13	44	.48	213	.03	2	1.29	.01	.09	1	2
107N 92+2SE	4	65	16	192	1.2	43	11	417	3.70	23	5	ND	1	13	1	2	2	64	.09	.138	14	49	.62	354	.01	5	1.71	.01	.13	1	1
107N 92+5OE	4	54	12	155	1.3	28	8	677	3.06	13	5	ND	1	9	1	2	2	72	.04	.095	13	43	.56	317	.01	3	1.57	.01	.10	1	1
107N 92+7SE	5	67	14	172	.8	45	16	1510	4.53	16	5	ND	1	31	1	2	2	39	.27	.195	11	42	.39	285	.01	4	1.73	.01	.09	1	1

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SAMPLE#	NO	CU	PB	ZN	Ag	NI	CO	MN	FE	AS	U	AU	TH	SR	CO	SB	BI	V	CA	P	LA	CR	Mg	BA	Tl	B	Al	Na	K	W	Au8
	PPM	%	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM																	
107N 93+0E	3	25	15	96	.5	18	6	423	2.86	22	5	ND	1	11	1	2	2	64	.06	.051	11	41	.36	146	.02	5	1.38	.01	.05	1	2
107N 93+2SE	3	33	14	131	1.1	22	8	695	3.09	26	5	ND	1	11	1	2	2	63	.08	.076	11	48	.48	204	.01	2	1.46	.01	.08	1	1
107N 93+5OE	3	33	11	109	2.2	23	7	465	3.25	31	5	ND	1	11	1	2	2	59	.06	.049	11	47	.45	144	.01	2	1.32	.01	.07	1	2
107N 93+7SE	2	17	13	63	1.1	13	3	163	2.19	29	5	ND	1	9	1	2	2	50	.05	.048	10	28	.22	95	.01	3	1.01	.01	.05	1	1
107N 94+0OE	3	24	11	70	.2	14	4	136	2.43	26	5	ND	1	10	1	2	2	57	.08	.037	11	31	.29	125	.02	2	1.21	.01	.05	1	1
107N 94+2SE	3	48	10	140	.2	29	10	624	3.79	56	5	ND	1	14	1	2	2	50	.22	.082	11	49	.65	115	.02	2	1.64	.01	.08	1	9
107N 94+5OE	5	95	15	166	.4	30	15	1671	4.52	67	5	ND	1	30	1	4	2	50	.41	.081	11	43	.45	257	.01	6	1.58	.01	.08	1	7
107N 94+7SE	2	22	10	75	.3	14	4	289	2.24	19	5	ND	1	8	1	2	2	51	.06	.042	12	30	.24	119	.02	2	1.00	.01	.05	1	1
107N 95+0OE	2	16	8	62	.2	10	4	240	1.96	24	5	ND	1	7	1	2	2	49	.05	.047	11	26	.24	120	.01	2	1.03	.01	.05	1	48
107N 95+2SE	7	46	11	109	1.3	24	10	584	3.35	112	5	ND	1	15	1	2	2	43	.07	.078	9	35	.32	177	.01	2	1.09	.01	.07	1	118
107N 95+5OE	4	45	11	113	.4	21	13	827	3.37	105	5	ND	1	21	1	2	2	49	.24	.092	9	36	.37	210	.01	2	1.24	.01	.10	1	28
107N 95+7SE	6	108	20	171	.9	44	16	1023	4.59	167	5	ND	1	26	2	2	2	50	.28	.096	14	49	.61	209	.01	2	1.92	.01	.09	1	30
107N 96+0OE	3	64	17	137	1.1	36	13	863	3.39	53	5	ND	1	50	2	2	2	43	.65	.094	13	49	.54	146	.02	2	1.71	.01	.09	1	8
107N 96+2SE	5	76	18	138	.4	41	14	773	3.65	91	5	ND	1	37	2	2	2	45	.34	.079	14	46	.55	159	.01	3	1.64	.01	.08	1	27
107N 96+5OE	2	33	15	88	.3	15	6	450	3.32	109	5	ND	1	9	1	2	2	56	.08	.064	12	32	.31	133	.02	3	1.04	.01	.07	1	22
107N 96+7SE	3	35	13	98	.2	20	7	503	3.52	161	5	ND	1	7	1	2	2	49	.04	.060	11	38	.39	93	.01	3	1.27	.01	.07	1	39
107N 97+0OE	7	49	17	120	.8	23	9	431	3.72	96	5	ND	1	11	1	8	2	50	.04	.075	11	25	.22	87	.01	2	.96	.01	.05	1	26
107N 97+2SE	3	26	15	84	.8	18	7	866	2.54	37	5	ND	1	9	1	2	2	48	.08	.069	13	34	.33	99	.02	2	.90	.01	.07	1	33
107N 97+5OE	3	23	11	83	1.0	16	6	601	4.56	51	5	ND	1	7	1	2	2	59	.04	.081	12	40	.33	80	.02	2	1.18	.01	.06	1	18
107N 97+7SE	3	26	12	81	.2	18	7	699	2.99	54	5	ND	1	8	1	2	2	50	.06	.053	13	36	.33	68	.02	3	.95	.01	.08	1	24
107N 98+0OE	1	8	12	40	.7	7	3	331	1.57	18	5	ND	1	8	1	2	2	41	.04	.044	15	21	.17	67	.02	2	.87	.01	.05	1	5
107N 98+2SE	9	74	21	284	2.4	38	18	4264	5.20	250	5	ND	1	15	1	2	2	63	.09	.099	10	48	.45	234	.01	2	2.16	.01	.08	1	51
107N 98+5OE	6	106	19	176	.9	32	15	851	4.39	242	5	ND	1	11	1	3	2	42	.07	.108	20	42	.44	135	.01	4	1.62	.01	.07	1	132
107N 98+7SE	2	16	12	48	1.0	11	4	274	2.02	28	5	ND	1	6	1	2	2	41	.03	.039	11	34	.27	52	.01	2	1.03	.01	.04	2	12
107N 99+0OE	5	44	6	68	.7	8	4	193	2.65	218	5	ND	1	5	1	3	2	31	.02	.063	12	11	.09	64	.01	2	.81	.01	.04	1	15
107N 99+2SE	5	47	10	88	1.1	15	7	454	3.24	347	5	ND	1	6	1	8	2	37	.02	.063	12	23	.18	64	.01	2	1.07	.01	.05	1	1
107N 99+5OE	4	62	17	98	1.7	17	11	647	4.15	105	5	ND	1	7	1	2	2	47	.03	.087	12	27	.25	80	.01	4	1.23	.01	.05	1	83
107N 99+7SE	7	51	13	72	.6	27	8	316	4.26	85	5	ND	1	6	1	2	2	53	.03	.062	13	44	.36	59	.02	3	1.25	.01	.07	1	2
107N 100+0OE	9	67	14	112	.7	21	10	652	4.70	119	5	ND	1	11	1	2	2	54	.04	.089	9	21	.19	89	.01	2	.91	.01	.06	1	3
107N 100+2SE	8	79	13	141	.4	19	9	471	5.50	289	5	ND	1	6	1	2	2	44	.04	.137	11	31	.31	81	.01	2	1.53	.01	.07	1	1
107N 100+5OE	5	65	14	139	.5	49	10	450	4.72	96	8	ND	1	12	1	2	2	64	.08	.109	11	80	.80	80	.02	2	1.46	.01	.07	1	100
107N 100+7SE	7	40	23	119	.5	26	6	288	3.34	46	5	ND	1	9	1	2	2	45	.03	.070	18	30	.27	76	.02	2	1.03	.01	.06	1	14
107N 101+0OE	19	40	13	197	3.5	40	6	108	2.49	65	5	ND	1	7	1	4	2	47	.04	.042	17	20	.08	80	.01	2	.66	.01	.04	1	1
107N 101+2SE	43	139	29	426	.9	188	35	1111	6.63	96	5	ND	2	28	3	2	2	117	.08	.097	17	302	2.24	245	.01	2	1.98	.01	.10	1	3
107N 101+5OE	27	146	31	316	.4	92	25	742	6.26	118	5	ND	2	61	2	4	2	23	.43	.096	13	16	.42	290	.01	2	.85	.01	.09	1	30
107N 101+7SE	15	68	13	157	1.2	92	17	319	5.54	86	5	ND	1	16	1	2	2	91	.05	.068	10	163	.60	111	.01	2	1.24	.01	.06	1	1
STD Cu/Au-S	19	62	38	136	6.9	69	28	1012	3.96	40	20	8	33	49	17	15	20	62	.47	.084	36	58	.90	182	.08	37	1.71	.07	.13	12	52

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SAMPLE#	NO	CU	PB	ZN	AG	WI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	Mg	BA	Ti	B	Al	Na	K	M	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB								
107W 102+00E	1	22	5	62	.1	14	5	174	2.65	25	5	ND	2	13	1	2	2	94	.13	.056	12	43	.46	.75	.08	5	1.49	.01	.06	1	210
107W 102+2SE	1	14	5	62	.1	16	5	121	2.94	21	5	ND	3	14	1	2	2	90	.14	.072	18	47	.43	.73	.10	2	1.35	.01	.07	1	25
107W 102+50E	1	20	13	54	.1	11	5	275	2.05	17	8	ND	1	20	1	2	2	64	.11	.051	17	28	.23	.54	.05	2	.95	.01	.07	1	8
107W 102+7SE	1	23	2	57	.1	12	5	218	2.05	23	5	ND	1	10	1	2	2	61	.08	.050	16	23	.29	.60	.03	2	1.08	.01	.08	1	95
107W 103+00E	1	62	4	91	.3	31	10	255	4.80	419	5	ND	1	13	1	67	2	78	.11	.081	11	71	.70	.60	.04	5	1.92	.01	.08	1	88
107W 103+2SE	1	28	6	71	.2	21	6	321	2.58	41	6	ND	1	12	1	2	2	78	.10	.063	12	65	.46	.70	.05	3	1.19	.01	.07	1	18
107W 103+50E	2	27	4	67	.5	16	6	206	2.94	24	13	ND	1	12	1	4	2	70	.09	.063	15	39	.30	.61	.05	4	1.06	.01	.07	1	1
107W 103+7SE	6	17	10	69	1.2	10	3	137	1.90	30	5	ND	1	12	1	2	2	62	.05	.036	18	24	.22	.76	.03	2	.98	.01	.10	1	1
107W 104+00E	5	26	8	94	2.1	25	6	195	3.19	21	5	ND	1	8	1	2	2	49	.05	.113	19	46	.42	.76	.03	2	1.19	.01	.09	1	1
107W 104+2SE	4	20	4	69	1.1	13	4	240	2.18	20	11	ND	1	9	1	5	2	55	.05	.075	16	27	.22	.62	.03	5	.89	.01	.08	1	2
107W 104+50E	11	49	15	191	.7	24	5	168	3.19	62	5	ND	1	21	1	7	2	77	.05	.090	17	36	.30	.97	.02	3	1.09	.01	.09	1	2
STD C/AU-5	20	60	40	137	6.8	66	28	1035	3.78	41	20	7	33	49	17	16	20	61	.45	.087	37	59	.84	175	.09	35	1.70	.07	.14	14	53
107W 104+7SE	8	50	12	194	3.3	28	7	211	3.33	32	6	ND	1	7	1	3	2	41	.05	.113	13	38	.43	.69	.01	3	1.47	.01	.09	1	3
107W 105+00E	6	51	12	181	1.1	35	7	217	3.35	32	6	ND	1	9	1	5	2	56	.05	.084	16	59	.64	.92	.01	3	1.32	.01	.11	1	1
106W 90+00E	7	48	6	157	.5	32	9	158	2.86	21	5	ND	2	11	1	4	2	56	.11	.061	21	38	.52	218	.01	2	1.42	.01	.14	1	1
106W 90+2SE	14	24	20	171	3.6	24	8	98	2.60	38	281	ND	21	13	1	23	3	73	.09	.051	17	34	.31	228	.01	3	1.61	.01	.23	9	2
106W 90+50E	10	39	9	214	.3	37	10	215	4.26	36	5	ND	2	30	1	2	2	104	.22	.059	15	61	.71	270	.04	3	2.33	.01	.10	1	1
106W 90+7SE	15	41	13	225	.9	33	10	216	4.06	42	5	ND	1	19	1	4	2	109	.14	.055	13	57	.65	172	.05	2	2.07	.01	.10	1	1
106W 91+00E	157	73	10	426	1.5	79	12	208	4.64	51	5	ND	2	15	2	5	2	229	.10	.079	17	81	.69	398	.02	2	2.59	.01	.15	1	3
106W 91+2SE	2	30	5	139	.8	21	7	176	3.46	22	5	ND	1	13	1	4	2	81	.10	.070	12	48	.53	161	.04	4	2.00	.01	.09	1	8
106W 91+50E	4	39	8	217	.7	45	16	279	4.32	31	5	ND	2	17	1	2	2	77	.15	.056	15	58	.78	203	.04	2	2.74	.01	.11	1	3
106W 91+7SE	3	41	6	141	1.4	28	9	201	3.02	25	5	ND	1	25	1	2	2	63	.18	.053	11	41	.53	191	.04	4	1.48	.01	.10	1	1
106W 92+00E	2	39	13	144	1.0	26	9	229	3.96	42	8	ND	1	22	1	4	3	73	.18	.071	13	45	.53	209	.03	2	1.84	.01	.12	1	6
106W 92+2SE	3	63	7	145	.8	39	10	243	3.68	31	5	ND	1	14	1	2	2	56	.11	.044	15	45	.53	177	.02	2	1.82	.01	.10	1	64
106W 92+50E	4	42	12	177	.6	33	10	257	4.54	32	5	ND	1	24	1	2	2	77	.20	.043	12	58	.68	148	.04	2	2.13	.01	.11	1	3
106W 92+7SE	5	27	6	90	1.0	17	6	284	3.14	26	5	ND	1	28	1	4	2	64	.24	.056	13	31	.29	160	.03	2	1.10	.01	.11	1	2
106W 93+00E	3	33	5	99	.3	18	6	200	3.64	30	5	ND	1	14	1	2	2	71	.08	.045	14	44	.49	104	.05	2	1.55	.01	.10	1	1
106W 93+2SE	2	23	6	83	.3	13	5	299	2.99	18	5	ND	1	22	1	2	2	69	.35	.061	13	32	.35	128	.06	4	1.33	.01	.08	1	5
106W 93+50E	2	39	8	70	.2	18	7	495	3.42	18	5	ND	1	13	1	2	2	65	.12	.078	11	34	.39	97	.05	4	1.35	.01	.08	1	1
106W 93+7SE	4	31	11	95	.6	16	7	409	3.22	31	8	ND	1	18	1	2	2	70	.18	.054	13	35	.29	125	.03	2	1.10	.01	.10	1	1
106W 94+00E	3	31	8	103	.4	17	7	353	2.70	19	5	ND	1	17	1	2	2	57	.15	.057	14	36	.33	220	.03	2	1.16	.01	.08	1	1
106W 94+2SE	2	45	9	88	.3	14	7	618	3.64	31	5	ND	1	8	1	2	2	56	.07	.072	10	29	.66	105	.01	3	1.70	.01	.05	1	6
106W 94+50E	2	27	12	99	.2	17	7	580	3.38	29	5	ND	1	14	1	2	2	61	.17	.072	12	43	.41	125	.03	2	1.19	.01	.09	1	10
106W 94+7SE	4	42	10	129	.6	24	10	1041	3.27	43	5	ND	1	20	1	2	3	61	.21	.080	12	49	.44	189	.02	3	1.39	.01	.12	1	1
106W 95+00E	4	33	7	97	.8	19	7	591	2.63	34	11	ND	1	12	1	2	2	54	.08	.056	14	40	.37	116	.02	2	1.13	.01	.12	1	1
106W 95+2SE	3	42	8	137	.6	28	11	693	3.44	86	5	ND	1	14	1	2	2	60	.09	.074	12	54	.50	126	.01	2	1.42	.01	.12	1	10
106W 95+50E	3	40	8	128	.3	26	9	580	3.54	40	11	ND	1	10	1	2	3	58	.06	.052	14	49	.54	124	.01	2	1.43	.01	.12	1	2

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Wl PPM	Co PPM	Mn PPM	Fe PPM	As PPM	U PPM	Au PPM	Th PPM	SR PPM	CD PPM	SB PPM	Bl PPM	V PPM	Ca PPM	P PPM	La PPM	Cr PPM	Mg PPM	Ba PPM	Tl PPM	B PPM	Al PPM	Na PPM	K PPM	W PPM	Au# PPB
106N 95+7SE	3	31	12	99	.5	18	7	573	3.40	30	5	ND	1	13	1	3	2	63	.09	.068	15	41	.13	132	.02	4	1.33	.01	.10	1	14
106N 96+0OE	5	60	18	213	1.0	39	14	1022	4.01	35	5	ND	1	40	2	2	2	56	.64	.079	14	54	.62	261	.02	2	1.96	.01	.12	1	4
106N 96+2SE	5	31	16	103	.2	22	7	171	3.50	27	5	ND	1	23	1	4	2	60	.20	.044	15	42	.39	196	.03	3	1.50	.01	.08	1	1
106N 96+5OE	4	56	14	152	.6	30	12	442	4.41	81	5	ND	1	39	1	2	2	62	.39	.080	14	51	.52	192	.02	4	1.91	.01	.09	1	3
106N 96+7SE	4	75	13	99	.4	16	8	607	3.32	149	5	ND	1	21	1	2	2	48	.18	.073	12	31	.23	221	.02	2	.98	.01	.11	1	12
106N 97+0OE	2	16	11	63	.5	12	4	250	2.17	19	5	ND	1	12	1	2	2	43	.08	.041	15	29	.24	99	.02	2	1.00	.01	.07	1	1
106N 97+2SE	3	35	13	117	1.2	17	9	811	4.08	114	5	ND	1	13	1	2	2	53	.11	.074	13	43	.38	137	.02	2	1.51	.01	.11	1	100
106N 97+5OE	5	62	20	211	.4	32	17	1468	4.47	140	5	ND	1	25	1	2	2	49	.30	.098	13	48	.48	334	.01	3	1.49	.01	.17	1	52
106N 97+7SE	4	49	17	209	.8	32	15	3034	4.41	159	5	ND	1	35	1	2	2	52	.55	.135	12	53	.53	255	.02	5	1.93	.01	.13	1	19
106N 98+0OE	6	39	15	111	.6	16	5	405	3.15	127	5	ND	1	6	1	3	2	28	.07	.071	7	20	.15	67	.01	2	.89	.01	.06	1	53
106N 98+2SE	3	36	18	105	.2	23	8	355	4.05	52	5	ND	1	10	1	2	2	57	.07	.051	15	47	.50	76	.02	4	1.39	.01	.10	1	16
106N 98+5OE	2	13	17	55	.9	9	3	154	1.78	33	5	ND	1	8	1	3	2	39	.04	.037	15	26	.22	69	.02	2	.93	.01	.08	1	160
106N 98+7SE	3	25	7	65	7.8	15	5	213	2.55	38	5	ND	1	7	1	2	2	36	.03	.041	15	33	.32	59	.01	2	1.14	.01	.08	1	240
106N 99+0OE	13	83	21	127	1.3	30	13	365	6.46	99	5	ND	1	13	1	3	2	41	.02	.121	9	25	.18	81	.01	2	1.09	.01	.07	1	115
106N 99+2SE	8	49	10	100	1.2	23	9	384	4.11	86	5	ND	1	10	1	4	2	45	.04	.068	12	24	.18	72	.01	3	1.11	.01	.06	1	14
106N 99+5OE	3	36	15	84	.8	20	5	402	3.26	25	5	ND	1	14	1	4	2	39	.04	.063	17	29	.23	79	.02	4	.93	.01	.08	1	1
106N 99+7SE	17	24	16	91	1.6	19	6	406	3.39	84	5	ND	1	10	1	6	2	50	.04	.065	21	36	.32	68	.01	2	1.32	.01	.08	1	8
106N 100+0OE	2	24	13	62	.7	15	4	284	2.52	17	5	ND	1	10	1	2	3	44	.09	.060	8	31	.33	66	.02	3	1.08	.01	.06	1	1
106N 100+5OE	1	61	14	118	.7	48	17	430	5.58	265	5	ND	1	16	1	2	2	89	.20	.088	12	92	1.03	91	.04	2	2.35	.01	.08	1	60
106N 101+2SE	43	70	26	285	2.1	46	6	549	2.91	125	5	ND	1	12	1	9	2	51	.04	.072	17	15	.07	87	.01	2	.60	.01	.08	1	11
106N 101+5OE	163	235	59	538	3.5	119	33	582	9.64	122	7	ND	3	38	3	30	3	23	.02	.124	29	6	.07	143	.01	3	.67	.01	.08	1	55
106N 102+0OE	3	26	15	112	1.1	27	9	810	4.32	144	5	ND	1	8	1	2	2	34	.06	.102	15	39	.47	96	.02	2	1.47	.01	.08	1	16
106N 102+2SE	2	36	14	84	1.5	49	10	501	4.41	164	5	ND	1	10	1	9	2	81	.09	.068	12	100	.56	98	.02	2	1.21	.01	.07	1	210
106N 102+5OE	2	26	13	76	.8	25	7	307	4.21	30	5	ND	1	10	1	2	2	64	.06	.061	16	77	.52	72	.06	2	1.43	.01	.09	2	5
106N 103+0OE	1	17	9	56	.1	11	5	291	2.35	17	5	ND	1	15	1	2	2	56	.14	.046	16	31	.27	79	.05	3	1.04	.01	.07	1	1
106N 103+2SE	2	17	17	65	.3	17	5	125	3.36	28	5	ND	1	12	1	2	3	65	.11	.041	18	37	.36	62	.07	5	1.27	.01	.06	1	1
106N 103+5OE	1	24	18	90	.4	16	7	208	4.09	53	5	ND	1	13	1	2	3	66	.11	.054	14	45	.40	63	.07	3	1.58	.01	.06	1	14
106N 103+7SE	1	22	16	89	.3	17	7	413	3.62	13	6	ND	1	19	1	2	2	71	.19	.071	19	45	.47	74	.09	2	1.41	.01	.07	1	1
106N 104+0OE	1	20	14	69	.2	16	6	249	2.99	7	6	ND	1	13	1	2	2	76	.18	.044	11	53	.33	54	.13	2	1.13	.01	.05	1	1
106N 104+2SE	3	28	11	91	.5	17	6	531	3.00	31	5	ND	1	10	1	2	2	41	.10	.115	14	34	.44	68	.02	3	1.01	.01	.09	1	1
106N 104+5OE	3	18	14	61	1.1	13	3	97	2.38	10	5	ND	1	9	1	2	2	36	.08	.145	14	26	.28	57	.02	2	1.04	.01	.10	1	2
106N 104+7SE	6	37	12	145	1.0	26	7	192	3.70	45	6	ND	1	11	1	2	2	39	.08	.140	14	39	.44	84	.01	2	1.11	.01	.08	1	1
106N 105+0OE	8	74	15	360	1.3	37	13	2874	3.46	201	5	ND	1	75	12	2	2	30	.86	.139	12	36	.39	174	.02	2	1.50	.01	.09	1	3
105N 90+0OE	5	21	8	93	.1	20	6	118	2.65	22	5	ND	1	17	1	2	2	55	.13	.025	15	36	.40	159	.03	4	1.28	.01	.07	1	67
105N 90+2SE	8	37	13	291	.8	46	12	400	3.57	30	6	ND	1	96	2	2	2	56	.68	.035	13	49	.67	382	.02	3	2.10	.01	.09	1	3
STD C/AU-S	20	62	42	136	7.1	65	29	1030	4.35	42	25	8	35	50	18	17	22	58	.50	.090	37	61	.93	193	.09	34	1.77	.07	.14	15	53
105N 90+5OE	7	52	21	162	.3	48	13	274	4.44	39	5	ND	1	22	1	2	2	56	.20	.050	15	77	.95	216	.02	2	2.07	.01	.13	1	35

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SAMPLE#	MO PPM	CU PPM	PE PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P PPM	LA PPM	CR PPM	Mg %	BA PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Au8 PPB
105N 90+7SE	18	94	11	513	.9	83	14	329	4.10	38	5	ND	1	28	2	2	2	71	.26	.054	18	49	.58	415	.01	2	2.11	.01	.07	1	11
105N 91+0OE	13	30	19	368	.6	53	15	304	4.29	25	5	ND	1	32	2	2	2	87	.23	.032	11	60	.72	334	.03	2	2.53	.01	.06	1	1
105N 91+7SE	6	56	20	212	.3	40	10	220	3.56	28	5	ND	1	20	1	2	2	51	.16	.051	15	43	.81	591	.01	3	1.98	.01	.07	1	5
105N 91+5OE	5	42	17	137	1.3	28	6	333	3.08	17	5	ND	1	9	1	2	2	31	.07	.070	16	27	.54	352	.01	2	1.15	.01	.08	1	3
105N 91+7SE	5	68	20	205	1.3	40	13	1094	4.10	36	7	ND	1	37	1	2	2	42	.35	.076	16	40	.58	436	.01	6	1.68	.01	.10	1	7
105N 92+0OE	1	76	17	173	1.9	36	16	1932	4.24	46	5	ND	1	34	1	2	2	46	.34	.103	12	39	.72	330	.01	3	1.72	.01	.10	1	7
105N 92+2SE	5	66	15	212	.5	46	15	1364	4.15	27	5	ND	1	42	1	2	2	37	.34	.148	11	33	.56	434	.01	4	1.34	.01	.10	1	4
105N 92+5OE	3	73	16	168	1.2	39	14	1177	4.28	60	5	ND	1	23	1	6	2	45	.20	.128	8	31	.23	370	.01	4	1.51	.01	.13	1	8
105N 92+7SE	9	38	20	132	.5	24	10	562	4.35	37	7	ND	1	16	1	2	2	87	.18	.068	10	47	.59	166	.04	2	1.81	.01	.09	1	1
105N 93+0OE	2	21	12	87	.2	16	5	194	3.01	19	5	ND	1	15	1	2	2	63	.25	.046	8	30	.38	132	.05	2	1.20	.01	.07	1	2
105N 93+2SE	1	11	7	52	.3	9	2	92	2.10	13	5	ND	1	9	1	2	2	69	.10	.035	10	22	.20	61	.07	2	1.09	.01	.04	1	1
105N 93+5OE	1	13	11	54	.1	8	3	100	2.16	16	5	ND	1	11	1	2	2	66	.11	.033	9	24	.21	78	.07	2	1.04	.01	.03	1	1
105N 93+7SE	1	20	8	77	.3	13	6	776	3.00	4	5	ND	1	12	1	2	2	72	.11	.041	9	27	.36	144	.08	2	1.46	.01	.03	1	1
105N 94+0OE	2	21	12	86	.3	16	5	283	2.93	18	5	ND	1	12	1	2	2	63	.13	.069	10	30	.34	108	.04	2	1.10	.01	.05	1	2
105N 94+2SE	1	16	14	67	.1	8	4	328	2.64	15	5	ND	1	12	1	2	2	58	.15	.098	11	25	.23	86	.05	2	1.10	.01	.06	1	1
105N 95+7SE	4	116	19	202	1.4	37	17	1876	3.98	39	5	ND	1	30	1	2	2	51	.63	.111	13	57	.66	199	.03	7	2.17	.01	.09	1	3
105N 96+2SE	3	31	15	104	.2	22	8	380	2.96	56	5	ND	1	16	1	2	2	51	.20	.069	10	36	.36	217	.02	5	1.23	.01	.08	1	1
105N 96+5OE	3	71	19	165	.6	41	16	883	3.96	211	5	ND	1	23	1	2	4	50	.37	.065	13	68	.94	143	.02	3	1.98	.01	.09	1	11
105N 96+7SE	4	109	26	211	.9	45	24	1437	4.93	609	5	ND	1	33	1	2	4	47	.60	.133	13	66	.88	146	.02	4	2.16	.01	.08	1	29
105N 97+0OE	8	50	18	141	.2	24	11	510	3.54	32	5	ND	1	25	1	2	2	50	.40	.063	11	31	.29	142	.02	5	1.13	.01	.06	1	3
105N 97+2SE	5	46	20	128	.5	34	9	230	4.40	31	5	ND	1	22	1	2	2	51	.23	.070	9	60	.50	147	.03	2	1.45	.01	.06	1	3
105N 97+5OE	13	58	25	180	.2	22	9	224	5.99	735	5	ND	1	23	1	8	2	56	.40	.077	8	21	.20	148	.01	2	1.28	.01	.05	1	3
105N 97+7SE	7	45	18	122	.2	24	9	635	3.92	109	5	ND	1	15	1	4	2	67	.14	.058	9	37	.31	206	.02	2	1.17	.01	.06	1	2
105N 98+0OE	8	52	21	126	.1	16	10	741	3.14	158	5	ND	1	13	1	11	2	22	.16	.062	8	8	.07	189	.01	3	.77	.01	.06	1	4
105N 98+2SE	1	28	10	68	.4	8	7	791	2.86	204	5	ND	1	10	1	2	4	35	.13	.059	8	12	.10	63	.01	2	.82	.01	.04	1	19
105N 98+5OE	4	52	17	118	1.0	18	11	1571	4.77	585	5	ND	1	11	1	8	2	40	.12	.123	9	28	.21	125	.01	3	.86	.01	.07	1	20
105N 98+7SE	6	74	19	211	.8	35	19	2457	4.84	606	5	ND	1	71	1	3	5	28	.96	.145	8	27	.34	205	.02	2	1.33	.01	.07	1	102
105N 99+0OE	22	77	22	197	.9	40	17	936	6.19	151	5	ND	1	8	1	8	2	41	.05	.127	8	27	.20	81	.01	2	1.53	.01	.04	1	290
105N 99+2SE	13	49	10	138	.6	36	11	935	3.89	100	5	ND	1	8	1	4	3	42	.04	.078	10	25	.23	125	.01	2	1.04	.01	.06	1	76
105N 99+5OE	15	35	19	131	.5	23	9	397	3.82	83	5	ND	1	10	1	3	2	65	.08	.061	9	28	.17	108	.02	2	.97	.01	.05	1	4
105N 99+7SE	22	53	25	168	.6	32	11	513	4.13	140	5	ND	1	12	1	9	2	31	.07	.076	10	14	.11	136	.01	2	.77	.01	.06	1	9
105N 100+0OE	3	36	21	168	.5	37	13	1353	4.46	47	5	ND	1	79	1	2	4	65	.86	.134	7	96	.84	142	.02	4	1.65	.01	.08	1	4
105N 100+2SE	2	21	13	60	.6	15	4	160	2.96	30	5	ND	1	7	1	2	2	49	.04	.046	12	35	.29	57	.03	5	.92	.01	.06	1	2
105N 100+5OE	3	22	13	78	1.1	19	5	153	2.92	30	5	ND	1	8	1	2	4	49	.05	.049	12	44	.44	64	.02	3	1.11	.01	.06	1	3
105N 100+7SE	5	49	16	161	1.1	31	10	578	5.20	56	5	ND	1	9	1	2	4	50	.07	.107	10	51	.56	73	.01	4	1.59	.01	.08	1	4
105N 101+0OE	4	42	16	121	.7	18	6	530	3.28	41	5	ND	1	10	1	2	3	51	.08	.073	12	28	.19	83	.03	2	.88	.01	.08	1	1
105N 101+2SE	2	41	7	82	.1	20	9	518	3.35	38	5	ND	1	7	1	2	2	57	.04	.069	12	36	.23	88	.01	6	1.04	.01	.07	1	1
STD C/AU-S	19	60	42	134	6.7	65	28	984	4.05	42	17	8	32	47	16	15	21	59	.49	.085	35	57	.90	177	.08	35	1.77	.07	.13	13	47

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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 PPM	La PPM	Cr PPM	Mg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	Au# PPB
105M 101+50E	2	26	11	76	.6	14	6	320	2.18	33	5	ND	1	6	1	2	2	50	.04	.049	10	25	.20	98	.01	2	.91	.01	.07	1	8
105M 101+75E	7	76	19	202	.6	41	11	230	4.79	176	5	ND	2	7	2	2	24	.07	.090	16	15	.15	125	.01	2	1.37	.01	.06	1	54	
105M 102+00E	6	45	18	130	1.0	62	13	2204	3.26	45	7	ND	1	48	1	2	2	53	.50	.070	11	95	.80	199	.03	2	1.71	.01	.07	1	1
105M 102+25E	2	27	11	79	.5	23	8	351	3.24	58	5	ND	1	12	1	2	2	70	.09	.044	9	47	.59	120	.02	2	1.16	.01	.06	1	590
105M 102+50E	2	33	18	115	.2	22	11	1388	3.12	304	5	ND	1	61	1	2	2	53	.69	.058	12	47	.44	133	.02	2	1.61	.01	.07	1	1
105M 102+75E	2	19	13	67	.1	21	6	170	2.76	30	5	ND	1	7	1	2	2	40	.04	.047	15	38	.43	72	.01	2	1.12	.01	.06	1	3
105M 103+00E	2	23	19	73	.3	17	6	251	3.27	88	5	ND	1	12	1	2	2	66	.14	.051	12	36	.41	69	.05	2	1.15	.01	.07	1	2
105M 103+25E	2	13	12	50	.3	12	3	91	2.23	15	5	ND	1	8	1	2	2	54	.05	.034	14	29	.27	61	.05	2	.87	.01	.04	1	1
105M 103+50E	2	47	15	109	.3	33	11	203	4.44	20	5	ND	2	11	1	2	2	59	.14	.061	11	59	.59	55	.07	2	2.40	.01	.06	1	1
105M 103+75E	2	23	14	75	.1	20	8	167	3.72	14	5	ND	1	13	1	2	2	60	.11	.070	12	51	.50	43	.06	2	1.41	.01	.07	1	2
105M 104+00E	3	24	14	80	.5	12	4	259	2.81	3	5	ND	1	15	1	2	2	80	.16	.050	7	35	.18	81	.06	2	1.23	.01	.05	1	2
105M 104+25E	5	40	10	119	.4	26	8	332	4.30	46	5	ND	1	6	1	2	2	59	.03	.065	12	50	.44	61	.02	2	1.17	.01	.06	1	1
105M 104+50E	2	13	9	51	.6	11	3	139	2.04	9	5	ND	1	6	1	2	2	34	.04	.056	15	22	.24	70	.02	2	.77	.01	.05	1	2
105M 104+75E	2	17	8	67	.5	13	3	112	1.69	10	5	ND	1	8	1	2	2	34	.05	.052	14	26	.33	65	.02	2	.89	.01	.05	1	2
104N 90+00E	7	62	14	146	.5	47	15	513	4.10	52	5	ND	1	85	2	2	2	55	.63	.052	12	65	.68	259	.02	2	1.86	.01	.08	1	7
104N 90+25E	9	64	16	310	.8	72	14	500	3.88	39	5	ND	1	84	3	2	2	49	.64	.059	14	61	.77	327	.01	2	1.82	.01	.08	1	5
104N 90+50E	4	49	14	179	1.9	33	11	1384	3.16	29	5	ND	1	33	2	2	2	30	.26	.125	13	23	.39	470	.01	3	1.15	.01	.11	1	1
104N 90+75E	4	46	15	146	1.0	31	10	697	3.31	34	5	ND	1	19	1	4	2	37	.10	.075	14	28	.37	443	.01	2	1.33	.01	.08	1	3
104N 91+00E	9	73	19	228	1.3	46	13	703	3.79	45	5	ND	2	57	2	3	2	54	.47	.081	16	36	.47	468	.01	3	1.69	.01	.10	1	8
104N 91+25E	3	39	16	146	.7	31	9	283	3.03	15	5	ND	1	17	1	3	2	41	.11	.076	10	30	.33	300	.01	2	1.06	.01	.06	1	4
104N 91+50E	4	41	16	190	1.2	37	13	1154	4.16	37	8	ND	2	16	1	3	2	57	.14	.115	9	57	.69	225	.01	2	1.70	.01	.08	1	3
104N 91+75E	4	47	15	182	.2	32	13	937	4.11	31	6	ND	1	17	1	2	2	66	.19	.087	10	54	.67	208	.02	2	1.65	.01	.08	1	9
104N 92+00E	10	72	12	293	.2	45	17	1673	4.50	35	5	ND	1	27	2	2	2	81	.27	.096	11	50	.65	275	.01	3	1.60	.01	.08	1	2
104N 92+50E	2	92	18	125	.5	21	12	363	4.49	16	5	ND	2	10	1	2	2	63	.11	.057	17	28	.61	138	.02	2	2.32	.01	.08	1	7
104N 92+75E	3	26	15	85	.1	19	6	212	2.99	14	5	ND	1	10	1	2	2	67	.06	.033	11	42	.49	89	.05	3	1.56	.01	.05	1	2
104N 93+00E	2	28	12	101	.3	17	7	433	3.69	17	5	ND	1	12	1	2	2	67	.17	.103	8	35	.52	84	.06	2	1.51	.01	.08	1	2
104N 93+25E	2	24	14	80	.2	14	6	271	3.55	14	5	ND	1	10	1	2	2	81	.13	.053	8	24	.36	117	.08	2	1.59	.01	.04	1	1
104N 93+50E	3	27	9	93	.2	16	6	658	3.16	20	5	ND	1	8	1	2	2	64	.06	.047	10	39	.44	110	.03	5	1.48	.01	.05	1	3
104N 93+75E	2	32	11	94	.3	18	7	457	3.26	23	5	ND	1	10	1	2	3	58	.10	.053	9	36	.37	137	.02	2	1.19	.01	.06	1	2
104N 94+00E	2	24	5	85	.1	18	6	411	2.91	18	5	ND	1	10	1	3	2	56	.09	.047	10	37	.36	113	.03	6	1.13	.01	.06	1	2
104N 94+25E	2	13	9	54	.1	11	4	246	1.83	12	5	ND	1	10	1	2	2	42	.06	.044	10	29	.28	95	.02	3	.94	.01	.05	1	5
104N 94+50E	3	31	15	106	.4	20	8	496	3.73	30	5	ND	1	8	1	2	2	67	.05	.064	9	44	.59	89	.03	2	1.58	.01	.06	1	22
104N 94+75E	3	33	14	102	.6	21	8	500	3.87	32	5	ND	1	12	1	2	2	68	.19	.043	9	46	.59	141	.04	2	1.38	.01	.05	1	16
104N 95+25E	3	23	12	77	.1	16	5	111	3.43	21	7	ND	1	8	1	2	2	82	.06	.023	10	42	.40	108	.04	2	1.71	.01	.02	1	2
104N 95+50E	2	31	10	104	.2	20	7	212	4.29	33	5	ND	1	13	1	2	2	72	.16	.035	9	44	.55	148	.03	2	1.60	.01	.04	1	3
104N 95+75E	2	29	11	98	.2	22	10	276	3.23	28	5	ND	1	15	1	2	2	49	.19	.028	10	45	.67	100	.02	3	1.47	.01	.05	1	7
STD C/AU-S	19	62	37	135	6.8	66	28	1000	4.07	41	21	8	34	48	17	16	22	61	.52	.084	36	59	.93	182	.08	36	1.70	.07	.13	12	50

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SAMPLE#	MD 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 PPM	P PPM	LA PPM	CR PPM	Mg PPM	BA PPM	Ti PPM	B PPM	Al PPM	Na PPM	X PPM	W PPM	AuS PPB
104N 96+2SE	4	42	19	139	.2	25	12	709	4.49	119	5	ND	1	15	1	2	2	78	.13	.045	11	.50	155	.03	3	1.83	.01	.07	1	1	
104N 96+50E	5	48	25	121	.2	16	11	499	4.68	141	5	ND	1	14	1	2	2	74	.14	.048	13	.39	.47	141	.03	2	1.75	.01	.06	1	12
104N 97+2SE	5	36	13	135	.7	19	10	827	3.84	34	6	ND	1	11	1	2	2	66	.07	.057	15	.39	.47	195	.03	2	1.40	.01	.08	1	4
104N 97+50E	6	38	22	136	.4	27	9	411	4.66	43	5	ND	1	15	1	3	2	66	.10	.116	16	.52	.62	119	.03	2	1.69	.01	.08	1	3
104N 97+7SE	14	45	31	130	.6	19	10	1612	5.08	58	5	ND	1	23	1	8	2	58	.12	.110	7	.22	.22	124	.01	2	1.05	.01	.05	1	1
104N 98+00E	7	51	26	149	.4	26	13	949	5.01	455	5	ND	1	16	1	5	2	54	.11	.084	11	.40	.27	148	.03	2	.98	.01	.07	1	42
104N 98+2SE	10	55	13	152	2.0	31	12	1404	4.22	222	5	ND	1	13	1	8	2	45	.07	.077	11	.30	.22	148	.01	2	.94	.01	.07	1	24
104N 98+50E	15	51	21	156	.5	33	11	615	4.07	166	5	ND	1	13	1	8	2	54	.08	.078	14	.34	.25	131	.02	3	1.08	.01	.07	1	19
104N 98+7SE	4	43	20	142	.3	30	9	307	5.29	45	5	ND	1	10	1	2	2	91	.07	.084	14	.62	.73	129	.04	2	1.77	.01	.09	1	1
104N 99+00E	7	77	21	182	1.2	39	13	246	5.56	116	5	ND	1	16	1	3	2	101	.12	.058	10	.69	.54	113	.03	2	1.89	.01	.06	1	21
104N 99+2SE	2	61	20	106	.3	33	12	261	4.85	46	5	ND	1	8	1	2	2	86	.05	.052	12	.81	.91	68	.05	2	2.03	.01	.06	1	5
104N 100+00E	2	10	13	44	.3	9	4	72	1.46	6	5	ND	1	8	1	2	2	36	.04	.024	20	.19	.15	74	.02	2	.73	.01	.05	2	1
104N 100+2SE	2	9	12	46	.3	11	3	67	1.46	14	5	ND	1	11	1	2	2	42	.12	.023	19	.18	.17	60	.03	2	.72	.01	.05	2	1
104N 100+50E	1	59	15	106	.9	53	17	282	5.50	358	5	ND	1	8	1	2	2	119	.04	.039	8	138	1.60	109	.03	3	2.71	.01	.07	1	480
104N 100+7SE	2	32	10	106	.3	28	9	548	3.60	38	5	ND	1	10	1	2	2	60	.06	.079	14	.78	.62	129	.02	3	1.44	.01	.11	1	20
104N 101+00E	3	29	17	89	.4	19	8	194	3.51	51	5	ND	1	10	1	2	2	61	.06	.038	18	.37	.33	111	.04	2	1.19	.01	.09	1	1
104N 101+2SE	3	29	19	100	.1	24	8	196	3.44	256	5	ND	1	15	1	2	2	57	.09	.036	17	.39	.32	98	.02	2	1.27	.01	.07	1	1
104N 101+50E	3	29	21	140	.2	26	9	316	3.47	374	5	ND	1	32	1	2	2	47	.28	.044	15	.46	.44	124	.02	3	1.36	.01	.09	1	8
104N 101+7SE	3	27	18	91	.2	21	6	187	3.37	25	5	ND	1	14	1	2	2	71	.09	.036	17	.42	.25	116	.07	2	1.18	.01	.08	1	1
104N 102+00E	5	46	16	113	.5	79	11	320	4.68	188	5	ND	1	25	1	2	2	94	.19	.043	9	152	.58	99	.03	2	1.53	.01	.06	1	7
104N 102+2SE	5	33	19	133	1.6	35	10	207	3.31	25	7	ND	1	20	1	2	2	48	.15	.046	15	.57	.46	198	.02	3	2.08	.01	.07	1	3
104N 102+50E	5	62	15	101	.2	109	20	411	3.99	34	5	ND	1	7	1	2	2	70	.12	.050	11	.199	1.66	72	.07	2	1.97	.01	.06	2	1
104N 102+7SE	4	16	13	55	.1	12	4	83	1.58	41	5	ND	1	15	1	2	2	40	.14	.029	13	.29	.18	119	.01	2	.84	.01	.03	1	2
104N 103+00E	4	63	15	98	.6	36	17	1030	4.53	1138	5	ND	1	7	1	9	6	44	.07	.071	10	.41	.27	115	.01	4	1.11	.01	.07	1	124
104N 103+2SE	5	36	15	87	.5	21	9	204	4.32	482	5	ND	1	8	1	8	6	50	.08	.062	13	.38	.32	88	.02	2	1.14	.01	.05	1	58
104N 103+50E	4	17	13	55	.1	14	5	169	2.27	56	5	ND	1	11	1	7	7	49	.08	.043	14	.34	.30	62	.04	2	.89	.01	.07	1	4
104N 103+7SE	5	26	19	106	.4	22	8	427	3.79	1371	6	ND	1	10	1	4	11	45	.06	.073	13	.43	.49	107	.01	3	1.18	.01	.09	1	250
104N 104+00E	5	20	17	65	.4	16	5	102	2.78	40	7	ND	1	8	1	5	8	46	.05	.037	15	.34	.28	60	.03	2	.95	.01	.06	1	1
104N 104+2SE	5	20	19	82	.5	20	6	253	3.50	26	5	ND	1	11	1	5	5	51	.09	.054	13	.38	.33	63	.02	2	.99	.01	.05	1	1
104N 104+50E	5	34	12	116	.3	32	9	448	4.10	24	5	ND	1	10	1	2	9	68	.11	.075	12	.72	.52	56	.06	2	1.22	.01	.06	1	1
104N 104+7SE	7	34	10	143	.5	24	7	292	3.30	21	7	ND	1	10	1	6	7	46	.07	.077	13	.41	.47	60	.02	2	1.43	.01	.06	1	1
104N 105+00E	23	48	28	245	3.3	22	5	176	3.73	73	5	ND	1	56	1	9	8	51	.05	.117	14	.24	.15	105	.01	2	.87	.02	.08	1	2
103N 90+00E	10	43	15	161	.5	43	12	331	3.93	45	5	ND	1	21	1	7	10	53	.16	.070	14	.56	.59	345	.01	2	1.47	.01	.09	1	2
103N 90+2SE	22	44	20	224	.8	42	11	257	4.04	28	5	ND	1	27	2	9	6	71	.22	.080	16	.45	.36	412	.01	2	1.71	.01	.07	1	3
103N 90+50E	31	70	20	262	.9	53	12	317	4.15	73	5	ND	1	10	2	10	9	45	.06	.079	19	.36	.30	300	.01	2	1.22	.01	.08	1	8
103N 90+7SE	8	70	20	182	1.4	47	13	603	4.84	258	5	ND	1	14	1	21	2	42	.10	.096	13	.35	.24	310	.01	2	1.13	.01	.12	1	27
STD C/AU-S	20	61	40	137	6.9	68	29	1030	3.92	40	22	8	34	49	17	16	21	57	.47	.088	37	59	.87	183	.08	36	1.70	.07	.14	12	54

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SAMPLE#	NO	CU	PB	ZN	AG	Ni	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	B1	V	CA	P	LA	CR	MG	BA	Tl	B	AL	NA	K	N	AU%
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM								
103N 91+00E	5	47	11	157	1.1	40	11	956	3.78	65	5	ND	1	16	1	11	2	49	.09	.091	12	39	.29	434	.01	4	1.29	.01	.10	1	2
103N 91+2SE	3	38	17	146	.9	26	11	2138	3.46	18	5	ND	1	21	1	2	2	49	.21	.128	10	40	.51	356	.01	3	1.34	.01	.10	1	1
103N 91+50E	4	56	17	225	1.1	25	16	2775	4.01	77	7	ND	1	18	1	5	2	46	.19	.170	10	40	.54	320	.01	2	1.59	.01	.11	1	1
103N 91+7SE	3	109	12	199	.8	42	18	2147	3.93	373	5	ND	1	35	1	2	2	51	.51	.100	15	59	.61	243	.02	3	2.17	.01	.10	1	1
103N 92+00E	3	113	12	183	.4	42	14	362	5.45	53	5	ND	1	16	1	2	2	88	.18	.090	14	69	1.03	129	.05	2	2.88	.01	.12	1	1
103N 92+2SE	3	81	17	164	.3	53	17	425	4.91	47	5	ND	1	20	1	2	2	71	.16	.063	15	81	1.10	120	.06	2	2.63	.01	.15	1	1
103N 92+50E	5	77	18	227	.8	72	20	654	4.79	30	5	ND	1	19	1	3	2	71	.12	.072	18	84	.88	168	.03	5	2.66	.01	.14	1	2
103N 92+7SE	2	58	15	165	.2	33	14	764	5.19	22	5	ND	1	13	1	2	2	113	.09	.098	13	69	.99	192	.04	2	2.66	.01	.11	1	3
103N 93+00E	3	69	14	165	.1	49	14	456	5.15	29	5	ND	1	20	1	2	2	97	.26	.049	13	85	1.09	135	.07	3	2.84	.01	.16	1	1
103N 93+2SE	2	79	16	160	.4	46	17	336	4.58	28	5	ND	1	18	1	2	2	77	.23	.057	12	57	.93	117	.09	4	2.73	.01	.10	2	1
103N 93+50E	1	23	14	60	.3	10	5	221	4.21	8	5	ND	1	13	1	2	2	100	.72	.069	5	24	.39	106	.19	3	2.43	.01	.04	1	1
103N 93+7SE	1	34	15	83	.3	18	6	194	3.81	17	5	ND	1	14	1	2	2	87	.15	.048	9	47	.52	88	.09	2	1.95	.01	.05	1	1
103N 94+00E	2	49	6	106	.2	34	11	267	3.89	26	5	ND	1	15	1	2	2	61	.16	.063	10	49	.71	86	.05	3	2.17	.01	.07	1	1
103N 94+2SE	3	43	13	110	.4	19	9	414	3.33	24	5	ND	1	16	1	2	2	64	.13	.051	12	41	.44	195	.03	2	1.41	.01	.07	1	1
103N 94+50E	3	31	10	107	.4	26	7	222	3.84	22	5	ND	1	15	1	2	2	62	.14	.073	12	50	.60	86	.04	2	1.59	.01	.09	1	1
103N 94+7SE	3	36	10	109	.2	18	9	771	3.87	19	5	ND	1	16	1	2	2	78	.17	.061	11	36	.36	135	.06	2	1.54	.01	.09	1	1
103N 95+00E	2	200	16	157	.2	38	21	746	7.00	54	5	ND	1	22	1	2	2	91	.30	.078	9	49	1.03	72	.12	4	3.08	.01	.08	1	26
103N 95+2SE	4	56	9	118	.3	27	10	445	4.12	30	5	ND	1	10	1	2	2	72	.09	.066	12	54	.60	78	.03	2	2.05	.01	.07	1	1
103N 95+50E	3	36	17	102	.4	19	7	450	3.70	23	5	ND	1	12	1	2	2	73	.09	.058	12	43	.40	69	.04	4	1.66	.01	.07	1	2
103N 95+7SE	3	31	11	107	.6	23	8	794	3.48	20	5	ND	1	13	1	4	2	67	.12	.055	12	44	.43	120	.04	2	1.32	.01	.09	1	1
103N 96+00E	5	35	15	115	.4	23	8	439	3.73	32	5	ND	1	16	1	2	2	67	.18	.046	12	47	.45	157	.03	2	1.67	.01	.07	1	1
103N 96+2SE	10	50	19	128	.3	30	9	233	5.12	98	5	ND	1	14	1	4	2	62	.11	.056	13	42	.30	176	.03	6	1.28	.01	.10	1	1
103N 96+50E	8	45	15	141	.2	32	11	340	4.90	59	5	ND	1	15	1	2	2	70	.16	.050	12	51	.52	169	.03	2	1.76	.01	.08	1	3
103N 96+7SE	3	46	11	157	.1	35	11	306	4.59	95	5	ND	1	16	1	2	2	61	.15	.061	14	63	.71	130	.03	3	1.85	.01	.10	1	16
103N 97+00E	2	40	13	119	.2	17	9	485	4.28	221	5	ND	1	20	1	2	2	48	.26	.062	9	25	.17	116	.02	2	1.15	.01	.06	1	9
103N 97+2SE	4	45	16	157	.2	31	10	326	4.76	56	5	ND	1	12	1	2	2	66	.09	.053	13	62	.79	82	.02	3	2.23	.01	.10	1	10
103N 97+50E	9	98	17	260	1.5	74	15	669	6.19	101	5	ND	1	36	2	3	2	53	.42	.078	16	54	.62	162	.01	3	2.26	.01	.12	1	43
103N 97+7SE	3	47	16	124	.5	22	9	262	5.83	375	5	ND	1	11	1	11	2	81	.06	.057	12	42	.36	131	.03	2	1.91	.01	.06	1	18
103N 98+00E	11	78	15	166	.7	30	13	196	6.84	510	5	ND	1	8	1	31	2	59	.05	.041	9	20	.17	91	.01	2	1.52	.01	.03	1	165
103N 98+50E	13	31	12	109	.8	19	5	167	2.85	25	5	ND	1	12	1	3	2	60	.07	.060	12	29	.27	116	.02	2	1.12	.01	.07	1	1
103N 98+7SE	6	51	14	289	.9	33	16	1144	3.93	40	5	ND	1	35	3	2	2	50	.44	.114	12	47	.62	172	.01	6	1.89	.01	.11	1	3
103N 99+00E	5	149	13	140	3.5	47	11	2326	2.55	23	5	ND	1	113	8	2	2	32	1.30	.187	17	45	.39	152	.02	4	2.02	.01	.07	1	8
103N 99+50E	3	45	22	114	.7	34	9	360	4.39	27	5	ND	1	12	1	2	2	55	.08	.057	14	53	.56	107	.02	2	1.75	.01	.10	1	14
103N 99+7SE	2	18	10	65	.1	26	6	215	2.87	18	5	ND	1	14	1	2	2	67	.13	.039	12	91	.47	104	.11	2	1.23	.01	.07	1	2
103N 100+2SE	2	63	17	80	1.7	21	6	153	2.97	163	5	ND	1	13	1	2	2	59	.10	.049	13	47	.34	72	.03	2	1.84	.01	.09	1	1
103N 100+50E	2	31	14	69	.6	23	6	146	3.56	18	5	ND	1	13	1	2	2	74	.13	.038	15	62	.41	65	.06	2	1.53	.01	.08	1	5
STD C/AU-S	19	60	37	133	6.8	67	29	992	3.99	42	24	B	32	47	17	16	20	60	.48	.089	35	57	.87	178	.08	35	1.75	.07	.13	14	53

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SAMPLE#	NO	CU	PB	ZN	AG	NI	CD	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								
103N 100+7SE	2	19	11	64	.1	14	5	143	2.62	23	5	ND	1	10	1	2	2	55	.09	.032	15	.28	.29	80	.04	2	.98	.01	.06	1	20
103N 101+0OE	2	24	19	78	.3	20	6	200	3.79	21	5	ND	1	9	1	2	2	49	.07	.037	15	.44	.46	127	.02	2	1.37	.01	.07	1	4
103N 101+2SE	3	26	21	106	.2	26	8	211	3.99	23	5	ND	1	17	1	2	2	37	.16	.061	15	.44	.55	70	.02	2	1.30	.01	.08	1	1
103N 101+5OE	1	15	9	48	.2	8	4	127	1.76	4	5	ND	1	19	1	2	2	50	.12	.026	10	.29	.18	66	.05	2	.85	.01	.03	1	J
103N 101+7SE	1	29	7	56	.1	16	8	497	2.87	46	5	ND	1	9	1	3	2	58	.08	.028	9	.26	.13	119	.03	2	.96	.01	.05	1	210
103N 102+0OE	1	90	17	99	.4	23	22	1323	5.76	402	5	ND	1	21	1	2	2	60	.12	.073	7	.25	.23	159	.01	3	1.09	.01	.07	1	450
103N 102+2SE	1	14	8	54	.4	13	4	172	2.25	31	5	ND	1	8	1	2	2	42	.06	.046	13	.33	.26	75	.02	8	.89	.01	.07	1	70
103N 102+7SE	2	26	14	90	.5	51	10	326	4.67	22	5	ND	1	10	1	2	3	82	.10	.041	12	194	1.09	120	.10	2	1.74	.01	.05	1	1
103N 103+0OE	2	20	15	62	1.0	14	4	111	2.73	68	5	ND	1	8	1	2	2	45	.05	.030	13	.28	.25	64	.03	2	1.45	.01	.05	1	3
103N 103+2SE	1	47	12	65	.4	12	9	404	3.57	197	5	ND	1	7	1	2	2	74	.04	.045	9	.17	.34	111	.01	2	1.46	.01	.06	1	6
103N 103+5OE	3	41	17	117	1.7	34	7	180	2.97	12	5	ND	1	19	1	2	2	54	.16	.061	14	.53	.61	174	.02	2	2.88	.01	.11	1	4
103N 104+0OE	1	24	13	77	.3	17	8	256	3.13	55	5	ND	1	9	1	2	2	74	.09	.039	11	.33	.28	89	.02	3	1.22	.01	.05	1	2
103N 104+2SE	3	49	15	101	.5	41	12	504	4.82	67	5	ND	1	9	1	3	2	66	.08	.067	12	100	.67	80	.02	3	1.45	.01	.08	1	3
103N 104+5OE	2	62	13	108	1.2	32	12	638	5.84	52	5	ND	1	7	1	4	2	140	.04	.079	10	.98	1.16	85	.03	2	2.08	.01	.07	1	1
103N 104+7SE	5	23	11	88	.7	14	4	145	2.62	9	5	ND	1	7	1	2	2	59	.03	.051	13	.22	.19	57	.02	3	.92	.01	.05	1	1
103N 105+0OE	4	41	13	176	.5	21	7	300	3.91	34	5	ND	1	6	1	2	2	49	.01	.062	9	.25	.39	87	.01	2	1.46	.01	.06	1	1
102N 90+0OE	18	67	9	168	2.3	32	7	636	2.90	18	5	ND	1	16	1	3	2	53	.16	.044	13	.23	.20	377	.01	2	.93	.01	.08	1	1
102N 90+2SE	4	76	20	169	.7	39	13	780	4.47	110	5	ND	1	8	1	4	2	52	.05	.106	12	.33	.26	289	.01	2	1.53	.01	.07	1	2
102N 90+5OE	6	51	13	172	1.3	35	9	286	3.99	12	5	ND	1	16	1	3	2	60	.13	.075	13	.44	.35	396	.01	2	1.43	.01	.08	1	5
102N 90+7SE	4	33	14	131	.8	27	7	676	2.56	6	5	ND	1	18	1	2	2	35	.18	.087	10	.22	.20	408	.01	2	.86	.01	.11	1	3
102N 91+0OE	4	58	12	147	.9	30	9	692	2.81	10	5	ND	1	14	1	2	2	38	.11	.085	12	.26	.27	366	.01	2	.79	.01	.07	1	1
102N 91+2SE	6	113	21	319	.8	99	31	1661	5.77	23	8	ND	1	36	2	2	3	38	.28	.257	15	.54	.80	280	.01	2	2.74	.01	.08	1	11
102N 91+5OE	4	39	16	114	.8	26	10	679	3.68	34	5	ND	1	16	1	2	2	58	.12	.066	9	.50	.46	214	.02	2	1.45	.01	.06	1	2
102N 91+7SE	3	29	12	103	2.0	23	8	429	3.27	32	5	ND	1	14	1	2	2	55	.13	.057	10	.46	.45	207	.03	2	1.24	.01	.06	1	1
102N 92+0OE	7	73	18	166	1.8	44	11	685	3.89	141	5	ND	1	11	1	4	2	43	.06	.089	15	.39	.46	322	.01	2	1.59	.01	.07	1	6
102N 92+2SE	2	36	15	85	.2	16	8	249	4.10	26	5	ND	1	16	1	2	2	71	.11	.070	8	.34	.45	181	.08	3	1.29	.01	.08	1	7
102N 92+5OE	2	28	12	87	.6	18	7	243	4.19	28	5	ND	1	11	1	2	2	78	.12	.055	8	.39	.59	80	.06	2	1.85	.01	.05	1	8
102N 92+7SE	3	206	11	162	1.3	41	16	1967	3.06	35	5	ND	1	85	4	2	2	33	1.55	.140	18	.45	.53	176	.02	3	1.69	.01	.07	1	12
102N 93+0OE	3	58	22	127	.5	22	10	254	4.16	17	5	ND	1	30	1	2	2	75	.57	.049	11	.43	.60	244	.02	4	2.34	.01	.06	1	2
102N 93+2SE	2	21	18	128	.6	18	8	531	3.51	11	5	ND	1	14	1	2	2	58	.16	.047	8	.46	.42	183	.04	3	1.75	.01	.05	1	3
102N 93+5OE	3	51	16	135	.4	33	14	1197	3.65	21	5	ND	1	30	1	2	2	58	.59	.049	11	.63	.65	135	.03	2	2.20	.01	.07	1	2
102N 93+7SE	2	71	17	171	.5	29	13	349	4.04	23	5	ND	1	24	1	2	2	70	.42	.051	11	.64	.70	112	.04	2	2.74	.01	.06	1	3
102N 94+0OE	2	63	20	125	.6	33	12	742	3.43	25	5	ND	1	32	1	2	2	61	.56	.045	13	.62	.61	134	.04	2	2.39	.01	.07	1	4
102N 94+2SE	3	47	17	128	.6	31	11	2029	3.55	17	5	ND	1	30	1	2	2	63	.48	.057	10	.62	.65	147	.03	2	2.29	.01	.07	1	1
102N 94+5OE	1	24	16	96	.3	12	9	702	4.23	11	5	ND	1	10	1	2	2	119	.11	.044	7	.29	.83	143	.12	2	1.84	.01	.04	1	2
102N 94+7SE	3	74	15	147	.4	43	13	269	4.46	38	5	ND	1	18	1	2	2	76	.21	.040	10	.72	.77	208	.04	2	2.45	.01	.08	1	3
STD C/AU-S	19	61	38	135	6.9	66	29	1003	4.17	41	20	B	33	49	17	16	24	59	.49	.086	36	.56	.93	182	.08	35	1.81	.07	.13	12	52

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SAMPLE#	MO	Cu	Pb	Zn	Ag	Mi	Co	Mn	Fe	As	U	Au	Th	SR	CD	SB	BF	V	CA	P	LA	CR	MG	BA	Tl	B	AL	WA	K	M	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
102N 95+00E	2	.95	23	186	.6	45	22	728	4.33	33	5	ND	1	36	1	2	2	73	.74	.077	11	.64	.89	163	.05	2	2.82	.01	.09	1	3
102N 95+25E	3	.44	16	122	.4	37	10	251	4.23	36	5	ND	1	14	1	2	2	72	.11	.059	12	.72	.78	117	.04	2	1.94	.01	.09	1	9
102N 95+50E	1	.33	11	72	.6	16	7	323	3.40	24	5	ND	1	19	1	2	2	95	.30	.068	9	.38	.40	87	.10	2	1.66	.01	.06	1	4
102N 95+75E	3	.34	12	134	.5	28	9	1474	3.36	19	5	ND	1	20	1	2	2	78	.18	.052	15	.68	.60	130	.05	2	2.23	.01	.07	1	1
102N 96+00E	2	.32	17	86	.3	14	6	640	3.81	11	5	ND	1	19	1	2	2	102	.16	.059	10	.31	.45	135	.15	2	1.70	.01	.05	1	1
102N 96+25E	2	.98	14	138	.4	21	15	928	6.16	16	5	ND	1	13	1	2	2	93	.22	.113	7	.31	.72	70	.12	2	2.13	.01	.05	1	2
102N 96+50E	3	.30	14	98	.6	19	7	308	3.41	26	5	ND	1	13	1	3	2	86	.10	.051	12	.49	.53	101	.06	2	1.84	.01	.05	1	47
102N 97+00E	13	.61	21	164	.5	31	9	237	4.53	84	5	ND	1	17	1	10	2	83	.15	.052	14	.37	.23	156	.03	2	1.19	.01	.07	1	5
102N 97+25E	6	.63	12	221	1.0	28	19	1827	5.13	498	5	ND	1	26	1	2	2	39	.30	.123	8	.19	.17	190	.01	2	1.72	.01	.06	1	430
102N 97+50E	2	.55	13	203	1.2	28	16	3236	3.23	433	5	ND	1	50	1	2	2	42	.73	.124	9	.48	.63	177	.02	2	1.89	.01	.09	1	21
102N 97+75E	15	.81	18	187	.6	40	11	193	5.50	613	5	ND	1	19	1	33	2	59	.11	.060	10	.30	.23	107	.01	2	1.50	.01	.05	1	37
102N 98+00E	3	.24	17	104	.3	18	6	425	3.27	28	5	ND	1	15	1	4	2	74	.15	.061	12	.41	.38	117	.03	3	1.42	.01	.07	1	13
102N 98+50E	6	.27	17	116	.7	24	6	210	2.60	24	5	ND	1	21	1	2	2	68	.14	.036	13	.46	.38	170	.02	2	1.58	.01	.07	1	1
102N 98+75E	2	.11	10	52	.2	12	3	148	1.30	7	5	ND	1	21	1	2	2	54	.18	.030	12	.31	.19	72	.05	2	.79	.01	.06	1	1
102N 99+00E	2	.31	12	80	.2	31	8	593	3.19	26	5	ND	1	16	1	3	2	92	.13	.071	8	.56	.38	91	.09	2	1.46	.01	.06	1	19
102N 99+25E	4	.43	21	128	.3	22	8	280	5.21	34	5	ND	1	10	1	5	2	82	.08	.077	12	.48	.47	122	.02	2	1.64	.01	.08	1	1
102N 99+50E	7	.38	15	140	1.0	20	7	236	3.39	29	5	ND	1	12	1	6	2	116	.09	.051	12	.40	.27	124	.04	2	1.33	.01	.06	1	22
STD C/AU-5	19	.57	41	131	6.8	68	28	976	3.79	40	17	8	33	48	16	14	20	62	.47	.089	36	.57	.84	173	.09	37	1.70	.06	.14	14	52
102N 99+75E	2	.25	15	89	.5	28	8	404	3.60	28	5	ND	1	15	1	2	2	100	.15	.052	9	.89	.58	133	.14	2	1.51	.01	.08	1	12
102N 100+25E	2	.35	13	93	.6	22	8	253	2.60	23	5	ND	1	13	1	2	2	51	.10	.053	17	.41	.40	134	.02	2	1.62	.01	.09	1	1
102N 100+50E	2	.21	6	75	.2	19	5	173	2.85	18	5	ND	1	11	1	3	2	59	.08	.044	16	.38	.36	74	.03	2	1.28	.01	.08	1	1
102N 100+75E	2	.19	12	62	.6	14	5	141	2.32	15	5	ND	1	11	1	3	3	55	.06	.049	15	.34	.35	70	.04	2	1.13	.01	.09	1	3
102N 101+00E	2	.21	11	68	.1	11	5	535	1.76	12	5	ND	1	14	1	2	2	62	.15	.038	18	.20	.21	90	.04	3	.87	.01	.07	1	1
102N 101+25E	2	.17	7	62	.5	14	4	169	1.89	7	5	ND	1	15	1	2	2	45	.13	.037	16	.29	.25	112	.04	2	.89	.01	.07	1	1
102N 101+50E	3	.28	13	98	.3	21	7	191	4.68	17	5	ND	1	10	1	3	2	60	.06	.050	17	.47	.48	81	.04	2	1.47	.01	.07	1	1
102N 102+25E	1	.28	7	77	1.2	25	8	234	3.90	48	5	ND	1	13	1	2	2	100	.07	.035	12	.83	.82	83	.06	2	1.60	.01	.08	1	135
102N 102+50E	3	.43	15	115	.1	26	8	231	4.32	48	5	ND	1	17	1	2	2	76	.12	.041	11	.54	.50	116	.04	2	1.59	.01	.08	1	3
102N 102+75E	2	.57	20	190	.9	29	13	666	3.38	319	5	ND	1	54	2	2	2	58	.66	.077	15	.56	.43	80	.03	2	1.88	.01	.08	1	1
102N 103+25E	3	.19	10	71	.7	14	5	104	3.26	13	5	ND	1	10	1	2	2	76	.04	.031	16	.43	.32	66	.05	2	1.48	.01	.05	1	7
102N 103+50E	3	.32	14	113	.7	30	8	315	4.79	19	5	ND	1	8	1	3	3	51	.04	.063	18	.58	.60	94	.01	4	1.88	.01	.10	1	1
102N 103+75E	26	.137	25	525	1.6	49	9	342	6.25	59	5	ND	1	22	1	8	2	119	.02	.114	16	.45	.43	129	.01	2	1.91	.01	.11	1	6
102N 104+00E	12	.124	21	364	.8	62	12	382	7.11	69	5	ND	1	8	1	4	3	101	.04	.169	13	.69	.73	85	.01	2	1.96	.01	.10	1	2
102N 104+25E	5	.22	10	86	.8	15	4	134	2.46	15	5	ND	1	12	1	3	2	53	.02	.051	19	.26	.23	54	.01	2	1.10	.01	.06	1	1
102N 104+50E	11	.38	16	133	2.3	16	5	263	3.28	28	5	ND	1	9	1	5	2	79	.03	.070	16	.33	.27	67	.01	2	1.50	.01	.06	1	4
102N 104+75E	5	.53	12	171	.6	22	7	238	3.51	24	5	ND	1	9	1	5	2	78	.05	.083	13	.37	.44	74	.01	5	1.40	.01	.06	1	1
102N 105+00E	3	.45	15	133	.3	18	13	313	4.58	46	5	ND	1	9	1	3	2	117	.06	.072	12	.44	.56	69	.02	2	1.87	.01	.05	1	1
100N 90+00E	9	.71	16	255	1.4	54	12	546	4.60	290	5	ND	1	9	2	8	2	106	.05	.111	17	.73	.47	232	.01	5	2.09	.01	.11	1	38

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SAMPLE	ND 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	DI PPM	V PPM	CA %	P PPM	LA %	CR PPM	MG %	BA PPM	Tl PPM	B %	AL %	NA %	K %	W PPM	Au# PPB
100N 90+2SE	4	40	15	122	1.5	36	10	1938	3.37	54	5	ND	1	21	1	2	2	62	.17	.098	11	76	.36	438	.02	2	1.12	.01	.08	1	4
100N 90+5OE	1	15	14	79	.6	8	5	1201	2.18	6	6	ND	1	22	1	2	2	71	.16	.066	5	22	.32	147	.10	2	1.32	.01	.05	1	2
100N 90+7SE	1	20	9	112	2.6	11	6	894	2.79	9	5	ND	1	24	1	2	2	68	.11	.101	6	19	.36	175	.11	2	1.43	.01	.07	1	2
100N 91+2SE	7	52	13	157	.7	36	12	1702	3.46	52	5	ND	1	7	1	2	2	51	.07	.072	14	33	.30	369	.01	4	1.18	.01	.07	1	4
100N 91+5OE	3	42	12	117	2.4	25	8	320	2.81	63	5	ND	1	18	1	2	2	48	.15	.066	10	27	.27	459	.01	2	1.11	.01	.06	1	5
100N 91+7SE	3	38	7	119	1.1	21	8	504	3.44	53	5	ND	1	12	1	2	2	56	.12	.101	9	31	.47	240	.01	3	1.45	.01	.06	1	2
100N 92+0OE	2	56	11	145	1.3	21	10	1115	2.73	27	5	ND	1	178	3	2	2	38	1.57	.093	8	27	.37	406	.02	4	1.68	.01	.04	1	2
100N 92+2SE	4	48	17	133	.8	20	9	569	4.38	20	5	ND	1	17	1	2	2	65	.20	.062	8	38	.65	358	.03	2	2.03	.01	.05	1	3
100N 92+5OE	5	42	12	120	1.0	21	8	555	3.24	14	5	ND	1	10	1	2	2	68	.08	.059	9	38	.53	340	.01	2	1.76	.01	.04	1	2
100N 92+7SE	4	52	10	153	.4	29	12	542	4.21	50	5	ND	1	18	1	3	2	70	.17	.061	11	51	.59	276	.03	2	2.22	.01	.05	1	1
100N 93+0OE	3	54	11	123	.7	25	8	426	3.93	34	5	ND	1	12	1	2	2	57	.12	.059	10	47	.69	310	.02	2	1.85	.01	.05	1	1
100N 93+2SE	4	61	14	209	1.4	27	14	1323	3.46	35	5	ND	1	37	2	2	2	50	.65	.082	11	47	.56	183	.01	2	1.84	.01	.06	1	22
100N 93+5OE	4	232	16	214	3.3	52	15	988	3.63	50	5	ND	1	54	4	2	2	40	1.03	.056	11	61	.54	169	.02	4	1.80	.01	.06	1	5
100N 93+7SE	3	97	9	137	2.1	26	9	191	3.64	70	8	ND	2	46	2	2	2	57	.99	.052	9	50	.40	152	.01	2	1.93	.01	.04	1	4
100N 94+0OE	2	218	14	208	1.7	45	19	1301	3.59	38	5	ND	1	60	5	2	2	44	1.28	.058	21	54	.58	171	.02	2	1.92	.01	.07	1	6
100N 94+2SE	3	58	12	196	.3	26	17	807	4.37	62	5	ND	1	31	1	2	2	81	.59	.058	9	47	.60	289	.03	2	2.21	.01	.06	1	5
100N 94+5OE	2	77	9	131	.4	21	12	559	4.68	28	5	ND	1	18	1	2	2	108	.66	.054	5	26	.93	245	.10	2	2.43	.01	.06	1	4
100N 94+7SE	3	27	10	104	.4	21	7	189	3.43	23	5	ND	1	10	1	2	2	54	.10	.054	10	51	.48	126	.03	2	1.30	.01	.05	1	31
100N 95+0OE	4	29	8	103	.8	22	7	368	3.26	23	5	ND	1	12	1	2	2	50	.15	.072	8	41	.36	106	.03	6	.98	.01	.06	1	23
100N 95+7SE	4	104	20	125	.2	54	15	269	4.88	48	5	ND	4	10	1	2	2	65	.07	.069	11	97	1.01	106	.06	6	3.63	.01	.10	1	19
100N 96+0OE	1	33	15	92	.3	17	8	260	3.76	14	5	ND	1	18	1	2	2	95	.30	.055	6	35	.63	107	.14	3	1.87	.01	.07	1	16
100N 96+2SE	2	17	11	72	.1	18	6	154	3.22	22	5	ND	2	12	1	2	2	73	.13	.047	10	45	.40	77	.07	2	1.36	.01	.04	1	7
100N 96+5OE	3	44	11	119	.1	37	11	250	4.37	35	5	ND	2	15	1	2	2	60	.17	.090	10	75	.77	105	.04	2	1.86	.01	.08	1	15
100N 96+7SE	1	20	12	51	.1	11	4	119	2.45	16	5	ND	2	11	1	2	2	62	.12	.042	9	26	.24	71	.07	2	1.08	.01	.03	1	4
100N 97+0OE	3	57	13	101	.4	28	10	290	4.33	30	5	ND	1	10	1	2	2	72	.08	.063	9	49	.60	138	.05	2	1.60	.01	.05	1	7
100N 97+2SE	4	90	12	172	.4	42	15	689	4.80	73	5	ND	1	15	1	5	2	60	.15	.048	14	67	.61	170	.02	2	1.81	.01	.07	1	11
100N 97+5OE	4	37	7	92	.3	26	10	373	3.72	124	5	ND	1	21	1	2	2	58	.21	.044	9	62	.54	81	.04	3	1.55	.01	.05	1	10
100N 97+7SE	4	28	12	84	.4	20	7	265	3.13	19	5	ND	1	15	1	2	2	58	.11	.048	10	50	.39	94	.04	2	1.09	.01	.04	1	3
100N 98+0OE	8	47	16	118	.6	22	7	314	3.55	45	5	ND	1	13	1	2	2	62	.09	.057	9	45	.35	113	.02	4	1.28	.01	.04	1	11
100N 98+2SE	10	61	18	165	.2	49	11	222	4.93	207	5	ND	1	21	1	18	2	53	.13	.057	9	44	.26	106	.02	2	1.10	.01	.05	1	185
100N 99+0OE	3	46	9	162	.3	41	13	227	4.42	47	5	ND	1	40	1	2	2	66	.35	.058	8	82	.71	105	.04	2	2.10	.01	.06	1	9
100N 99+2SE	4	39	13	107	.1	78	14	401	4.61	53	5	ND	1	25	1	2	2	105	.25	.042	8	196	1.28	62	.07	2	1.66	.01	.08	1	13
100N 99+5OE	2	26	8	74	.3	18	5	166	2.67	50	5	ND	1	14	1	2	2	69	.09	.029	11	39	.39	104	.05	4	1.12	.01	.04	1	12
100N 99+7SE	2	13	8	45	.1	9	3	84	1.42	10	5	ND	1	11	1	2	2	41	.08	.025	9	24	.16	43	.04	4	.67	.01	.02	1	3
100N 100+0OE	3	56	12	132	.3	43	14	295	4.22	52	5	ND	2	17	1	2	2	59	.15	.046	11	80	.78	88	.04	2	2.12	.01	.08	1	13
STD C/AU-S	19	58	40	130	6.6	64	27	965	3.79	39	21	7	33	46	16	17	23	59	.46	.080	35	55	.85	175	.08	35	1.65	.06	.13	14	51

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SAMPLE#	NO 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 I	P PPM	LA PPM	CR I	Mg PPM	BA PPM	Ti PPM	B I	AL PPM	NA I	K PPM	W PPB	AU#
100N 100+2SE	2	13	11	.53	.3	16	4	176	2.18	8	5	ND	1	14	1	2	2	48	.10	.037	11	.44	.40	60	.07	2	.94	.01	.06	1	114
100N 100+7SE	4	44	6	110	.8	33	10	695	3.13	13	6	ND	1	15	1	2	2	58	.09	.046	9	.83	.61	125	.04	3	1.90	.01	.13	1	1
100N 101+0OE	3	45	13	124	.2	32	10	375	3.02	17	5	ND	1	14	1	2	2	52	.11	.068	13	.61	.69	87	.03	4	1.62	.01	.08	1	1
100N 101+2SE	3	31	11	109	.1	27	7	186	3.79	13	5	ND	1	12	1	2	2	47	.12	.056	13	.60	.63	71	.03	4	1.69	.01	.07	1	1
100N 101+5OE	3	21	10	66	.2	23	6	174	3.43	13	7	ND	1	12	1	2	2	67	.08	.067	12	.60	.42	71	.07	4	1.05	.01	.06	1	1
100N 101+7SE	2	16	7	54	.1	13	4	159	2.07	8	5	ND	1	12	1	2	2	64	.10	.033	11	.31	.24	91	.07	3	.96	.01	.03	1	1
100N 102+0OE	1	58	12	77	.1	30	12	248	3.94	17	5	ND	1	19	1	2	2	63	.29	.090	16	.45	.63	57	.10	2	1.92	.01	.04	1	3
100N 102+2SE	3	24	9	71	.1	15	5	171	3.52	17	5	ND	1	9	1	3	2	68	.06	.046	14	.40	.40	74	.05	2	1.40	.01	.05	1	1
100N 102+5OE	2	26	12	61	.2	13	7	488	2.19	17	5	ND	1	12	1	2	2	53	.09	.035	12	.28	.30	101	.03	2	1.02	.01	.05	1	29
100N 102+7SE	3	38	11	90	.3	26	11	591	2.75	35	5	ND	1	10	1	2	2	48	.06	.041	13	.49	.57	99	.02	4	1.76	.01	.07	1	1
100N 103+0OE	3	17	15	.58	.2	17	5	154	2.45	13	5	ND	1	11	1	2	2	68	.06	.034	13	.41	.34	66	.08	3	.96	.01	.05	1	2
100N 103+2SE	2	33	13	.78	.1	32	11	438	4.39	11	5	ND	1	26	1	2	2	87	.27	.050	8	.91	.71	66	.14	2	1.82	.01	.04	1	1
100N 103+5OE	4	40	12	132	.5	26	10	526	4.03	27	5	ND	1	14	1	2	2	73	.07	.046	8	.52	.52	138	.07	2	1.45	.01	.05	1	1
100N 103+7SE	4	60	17	165	.3	28	10	303	4.65	79	6	ND	2	16	1	2	2	60	.12	.062	9	.52	.40	147	.04	2	1.22	.01	.06	1	1
100N 104+7SE	3	21	11	.62	.2	12	5	151	2.66	21	5	ND	1	10	1	2	2	63	.08	.029	11	.22	.30	115	.02	3	1.27	.01	.03	1	1
100N 105+0OE	5	22	11	.86	.2	14	5	313	3.90	14	5	ND	1	6	1	2	2	56	.03	.043	12	.27	.32	67	.02	2	1.66	.01	.03	1	1
98N 90+0OE	4	51	11	186	.7	32	8	564	3.78	17	5	ND	2	14	1	2	2	58	.12	.081	14	.39	.58	393	.01	3	1.87	.01	.11	1	1
98N 90+2SE	3	40	2	114	1.1	21	6	164	2.78	12	5	ND	1	12	1	2	2	50	.11	.042	13	.29	.38	338	.01	2	1.39	.01	.08	1	1
98N 90+5OE	3	32	11	102	2.3	17	6	1546	1.93	7	5	ND	1	22	1	2	2	39	.26	.041	13	.20	.24	564	.01	3	.91	.01	.09	1	1
98N 90+7SE	3	34	8	124	1.1	19	7	688	2.38	15	5	ND	1	13	1	2	2	43	.12	.052	14	.25	.31	389	.01	5	1.05	.01	.09	1	1
98N 91+0OE	10	51	13	179	.6	33	9	576	3.40	33	6	ND	1	13	1	3	2	61	.09	.055	12	.38	.41	410	.01	2	1.70	.01	.07	1	1
98N 91+2SE	10	69	10	175	.9	34	11	383	4.09	24	5	ND	2	108	1	2	2	70	.64	.057	12	.36	.36	624	.01	2	2.06	.01	.06	1	1
98N 91+5OE	3	58	13	145	1.2	30	7	371	3.48	41	5	ND	1	11	1	3	2	43	.08	.072	13	.26	.35	354	.01	2	1.33	.01	.08	1	1
98N 91+7SE	3	57	14	212	.7	27	11	1161	4.08	39	5	ND	1	14	1	2	2	52	.12	.072	8	.27	.66	404	.02	2	2.04	.01	.09	1	1
98N 92+0OE	3	65	16	189	1.6	26	10	1267	4.17	26	5	ND	2	11	1	2	2	47	.06	.104	12	.38	.65	297	.01	2	2.06	.01	.06	1	2
98N 92+5OE	8	66	13	227	.9	46	12	424	4.44	62	6	ND	2	23	2	2	2	92	.16	.069	13	.57	.49	593	.01	2	2.50	.01	.08	1	1
98N 92+7SE	3	44	15	151	.7	26	9	743	3.31	15	5	ND	1	10	1	3	2	48	.09	.105	10	.34	.30	260	.01	2	1.23	.01	.08	1	1
98N 93+0OE	4	70	13	232	1.4	40	13	954	3.70	20	5	ND	1	68	2	2	2	59	.44	.068	15	.50	.52	578	.01	4	2.09	.01	.07	1	1
98N 93+2SE	3	49	18	137	.4	24	7	356	2.59	20	5	ND	1	8	1	2	2	37	.09	.060	6	.31	.40	334	.01	5	1.42	.01	.07	1	1
STD C/AU-S	19	58	41	129	6.8	67	28	990	3.93	39	10	7	33	46	17	15	22	58	.46	.082	34	.55	.86	169	.08	29	1.66	.06	.12	12	51
98N 93+5OE	3	80	8	166	1.0	29	9	257	3.42	26	5	ND	2	17	2	2	2	84	.10	.079	15	.63	.65	607	.01	2	2.40	.01	.04	1	2
98N 93+7SE	3	46	10	201	.7	29	11	782	3.72	20	5	ND	1	23	2	2	2	63	.20	.061	10	.50	.63	506	.01	4	1.96	.01	.07	1	1
98N 94+0OE	3	50	10	170	.9	30	9	341	3.43	14	5	ND	1	13	1	2	2	42	.13	.106	12	.36	.44	421	.01	2	1.21	.01	.08	1	1
98N 94+2SE	4	38	12	156	2.7	24	10	1292	3.17	15	5	ND	1	13	2	2	2	43	.10	.084	9	.34	.37	324	.01	2	1.12	.01	.07	1	1
98N 94+5OE	12	39	13	202	.6	31	8	509	3.79	33	5	ND	1	16	1	3	2	71	.20	.076	9	.31	.34	283	.02	2	1.37	.01	.07	1	1
98N 94+7SE	4	62	19	231	1.2	39	16	2915	3.74	21	5	ND	1	75	3	2	2	42	.37	.112	14	.37	.53	438	.01	3	1.64	.01	.08	1	4
98N 95+0OE	4	60	14	220	1.0	37	12	465	4.44	22	5	ND	2	50	2	2	2	79	.29	.064	11	.53	.66	393	.02	2	2.78	.01	.04	1	1

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SAMPLE#	ND	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	Mg	RA	Ti	B	AL	NA	K	W	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
9BN 95+2SE	4	.55	10	156	.5	38	10	364	3.45	42	5	ND	1	13	1	5	2	40	.10	.090	12	25	.14	.269	.01	3	.86	.01	.08	1	1
9BN 95+5OE	4	.49	16	119	2.3	27	9	435	3.81	34	5	ND	1	14	1	4	2	57	.12	.072	13	43	.37	.315	.03	2	1.29	.01	.07	2	2
9BN 95+7SE	4	.61	13	161	.9	35	10	433	4.34	49	5	ND	1	14	1	4	2	50	.12	.127	11	47	.63	.279	.01	2	1.59	.01	.07	1	9
9BN 96+0OE	8	.52	18	228	.8	54	17	1739	4.12	133	5	ND	1	107	2	3	2	58	.90	.081	11	77	.58	.261	.01	2	2.18	.01	.08	1	2
9BN 96+2SE	4	.46	17	110	.4	28	10	335	3.99	37	5	ND	1	10	1	3	2	71	.09	.069	13	55	.56	.113	.02	3	1.61	.01	.07	1	5
9BN 96+5OE	5	.27	18	78	.1	22	6	185	3.04	31	5	ND	1	11	1	3	2	64	.07	.032	17	60	.38	.111	.03	4	1.31	.01	.05	1	3
9BN 96+7SE	4	.21	10	78	.8	21	6	281	2.83	22	5	ND	1	16	1	2	2	66	.10	.034	14	55	.36	.146	.04	2	1.32	.01	.06	1	1
9BN 97+0OE	9	.42	19	123	1.0	35	10	444	3.59	58	5	ND	1	15	1	5	2	51	.12	.056	13	40	.23	.151	.02	2	.92	.01	.07	1	5
9BN 97+2SE	3	.27	14	92	.2	19	7	381	3.12	22	5	ND	1	10	1	2	2	57	.07	.047	14	38	.31	.104	.02	2	1.22	.01	.06	1	2
9BN 97+5OE	4	.24	9	93	.2	20	6	265	2.71	23	5	ND	1	20	1	2	2	47	.20	.051	12	40	.27	.112	.02	2	.86	.01	.08	1	2
9BN 97+7SE	5	.45	17	132	.4	25	13	608	4.29	108	5	ND	1	26	1	7	2	49	.19	.050	11	40	.29	.159	.02	2	1.16	.01	.07	1	46
9BN 98+2SE	3	.27	18	112	.6	22	8	379	3.15	33	5	ND	1	18	1	2	2	63	.16	.067	12	50	.41	.115	.04	2	1.23	.01	.07	1	3
9BN 99+0OE	3	.42	12	132	.4	50	13	376	3.11	78	5	ND	1	35	1	2	3	40	.35	.054	12	71	.73	.76	.04	2	1.33	.01	.07	1	4
9BN 99+2SE	3	.50	11	142	.2	68	17	498	4.13	61	5	ND	1	20	1	2	4	63	.16	.054	12	111	.90	.108	.03	2	1.84	.01	.08	1	2
9BN 99+5OE	3	.53	16	110	.4	95	18	451	4.64	72	5	ND	1	14	1	2	2	86	.10	.047	11	315	1.47	.150	.03	2	1.91	.01	.08	1	2
9BN 100+2SE	3	.44	18	109	.3	43	17	701	4.21	22	5	ND	1	32	1	2	2	81	.29	.054	10	105	.79	.114	.06	2	1.72	.01	.09	1	1
9BN 100+5OE	4	.118	24	165	.5	85	22	1434	4.21	97	5	ND	1	38	2	2	2	60	.41	.064	15	109	1.09	.154	.04	3	2.01	.01	.13	1	28
9BN 100+7SE	3	.66	21	129	.7	44	14	567	3.80	284	5	ND	1	42	1	2	4	67	.35	.064	13	82	.71	.139	.02	2	1.97	.01	.09	1	30
9BN 101+0OE	2	.45	19	105	.2	28	13	458	3.93	156	5	ND	1	17	1	2	2	67	.17	.076	11	47	.36	.211	.02	2	1.39	.01	.11	1	15
9BN 101+2SE	2	.58	18	116	.5	37	11	306	4.45	41	5	ND	1	14	1	2	2	78	.11	.099	10	72	.81	.113	.03	2	2.04	.01	.08	1	2
9BN 101+5OE	4	.30	16	96	.4	31	9	377	3.64	15	5	ND	1	13	1	2	2	72	.09	.044	13	69	.52	.102	.09	2	1.35	.01	.06	1	4
9BN 101+7SE	3	.20	19	71	.2	20	5	150	2.36	11	5	ND	1	12	1	3	2	68	.09	.034	12	44	.32	.08	.06	2	1.10	.01	.04	1	2
9BN 102+0OE	2	.27	9	77	.3	24	7	272	3.58	22	5	ND	1	12	1	2	2	80	.07	.039	14	57	.49	.08	2	1.58	.01	.06	1	13	
9BN 102+2SE	4	.61	16	130	.4	38	13	378	3.66	47	5	ND	1	12	1	2	2	57	.08	.051	16	77	.61	.120	.02	4	2.13	.01	.10	1	3
9BN 102+5OE	2	.12	16	43	.2	13	3	67	1.39	6	5	ND	1	10	1	2	2	46	.04	.020	14	38	.22	.03	2	1.08	.01	.05	2	3	
9BN 103+0OE	3	.20	16	70	.5	23	5	125	2.31	26	5	ND	1	21	1	2	2	52	.18	.053	12	54	.39	.101	.04	2	1.13	.01	.07	1	2
9BN 103+2SE	2	.15	10	46	.3	12	3	105	1.73	11	5	ND	1	12	1	2	2	56	.11	.030	13	33	.24	.137	.03	2	.99	.01	.05	2	2
9BN 103+5OE	2	.27	15	77	.3	23	6	243	2.67	9	5	ND	1	14	1	2	2	77	.10	.046	12	53	.38	.103	.06	2	1.47	.01	.05	1	3
9BN 103+7SE	3	.34	14	94	.1	32	9	314	4.03	12	5	ND	1	12	1	2	2	83	.07	.064	12	72	.56	.100	.08	2	1.67	.01	.06	1	2
9BN 104+0OE	1	.37	12	81	.4	34	13	629	3.97	9	5	ND	1	49	1	2	2	86	.23	.051	6	83	1.02	.74	.18	2	1.59	.01	.08	1	2
9BN 104+2SE	3	.53	14	137	.6	34	12	499	4.91	65	5	ND	1	23	1	3	2	74	.26	.065	10	95	.55	.114	.04	3	1.61	.01	.11	1	2
9BN 104+5OE	13	.40	26	168	.7	28	7	176	4.46	34	5	ND	1	31	1	7	2	71	.05	.064	13	54	.41	.142	.03	2	1.55	.01	.06	1	1
9BN 105+0OE	3	.26	16	91	.8	21	6	388	2.74	11	5	ND	1	11	1	2	2	64	.08	.061	12	34	.32	.09	.04	2	1.18	.01	.04	1	2
9BN 90+0OE	13	.39	13	151	.6	27	6	134	2.87	23	5	ND	1	14	1	4	2	72	.10	.040	13	35	.26	.212	.01	2	1.30	.01	.04	1	2
9BN 90+2SE	6	.91	12	185	2.9	66	17	1138	3.84	38	5	ND	1	100	4	2	3	45	.77	.086	14	79	.89	.357	.01	2	1.72	.01	.12	1	8
9BN 90+5OE	4	.42	15	155	.4	44	14	402	3.40	21	5	ND	2	45	1	2	3	65	.33	.063	14	74	.73	.368	.01	2	1.86	.01	.10	1	5
STD C/AU-S	19	.60	38	135	6.9	68	28	1000	3.74	40	17	B	33	48	17	15	22	61	.47	.087	35	58	.84	.177	.08	36	1.63	.07	.14	12	54

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SAMPLE#	MO	CU	PB	ZW	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SD	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUR	
	PPM	%	PPM	%	PPM	PPM	%	PPM	PPM	%	PPM	PPM	%	PPM	PPM	PPB																
96N 90+7SE	3	44	16	187	1.0	45	13	646	3.59	25	5	ND	1	93	2	2	2	54	.62	.053	14	63	.81	431	.02	7	1.98	.01	.09	1	2	
96N 91+00E	3	105	16	182	2.6	53	14	1808	3.30	19	5	ND	1	167	4	2	2	38	1.20	.067	14	48	.66	535	.03	2	1.91	.02	.09	1	5	
96N 91+2SE	3	57	13	112	1.1	26	7	211	3.35	18	5	ND	1	18	1	2	2	37	.12	.059	18	26	.34	272	.01	2	1.29	.01	.09	1	3	
96N 91+50E	3	45	10	122	1.0	27	7	196	3.11	20	5	ND	1	12	1	2	2	61	.07	.043	19	40	.37	319	.01	2	1.58	.01	.09	1	1	
96N 91+7SE	2	28	2	75	.5	16	3	94	1.67	8	5	ND	1	7	1	2	2	41	.04	.038	18	19	.15	202	.01	2	.86	.01	.06	1	1	
96N 92+00E	7	36	6	142	2.2	23	6	149	2.93	20	6	ND	1	40	2	4	2	65	.26	.064	14	36	.36	534	.01	2	1.72	.01	.07	1	1	
96N 92+2SE	4	26	6	116	.8	13	5	185	2.31	8	5	ND	1	12	1	2	2	59	.06	.049	15	31	.36	403	.02	2	1.43	.01	.07	1	1	
96N 92+50E	4	29	12	169	1.2	23	8	704	2.43	15	5	ND	1	10	1	2	2	45	.08	.058	16	23	.24	293	.01	3	.97	.01	.10	1	1	
96N 92+7SE	6	62	18	211	2.4	41	11	402	4.55	15	5	ND	1	9	1	2	2	64	.05	.127	16	48	.76	413	.01	3	1.80	.01	.12	1	1	
96N 93+00E	5	54	11	182	1.5	33	9	494	4.03	17	5	ND	1	10	1	3	3	65	.07	.111	15	46	.70	365	.01	5	1.61	.01	.11	1	2	
96N 93+2SE	3	41	7	136	1.2	28	8	1338	2.53	14	5	ND	1	10	1	3	2	51	.05	.083	14	34	.33	564	.01	3	1.25	.01	.10	1	1	
96N 93+50E	4	38	7	115	.6	24	6	179	2.36	14	5	ND	1	8	1	4	2	45	.04	.055	15	26	.28	295	.01	2	1.13	.01	.09	1	1	
96N 93+7SE	4	62	16	161	1.8	35	10	877	3.49	21	5	ND	1	13	1	5	2	42	.09	.122	13	26	.27	460	.01	2	1.13	.01	.12	1	1	
96N 94+00E	3	75	13	174	.9	33	9	415	3.19	11	5	ND	1	76	2	2	2	60	.54	.089	11	38	.44	468	.01	3	2.12	.01	.06	1	1	
96N 94+2SE	4	46	8	198	.9	34	8	270	3.53	24	5	ND	1	11	1	3	2	63	.07	.076	14	40	.41	371	.01	3	1.71	.01	.07	1	1	
96N 94+50E	7	76	8	232	.6	55	11	190	3.93	47	5	ND	1	22	1	4	2	71	.14	.084	15	38	.30	376	.01	3	1.63	.01	.09	1	1	
96N 94+7SE	6	49	12	214	1.2	43	10	210	3.89	28	5	ND	1	21	1	4	2	70	.12	.071	15	49	.34	482	.01	2	2.14	.01	.07	1	1	
96N 95+00E	7	43	13	274	.6	38	10	726	3.76	34	5	ND	1	24	2	2	2	67	.17	.124	13	53	.46	294	.02	3	2.10	.01	.08	1	2	
96N 95+2SE	11	79	15	463	2.2	63	14	1173	3.90	32	5	ND	1	90	8	2	2	74	.56	.106	19	52	.54	470	.01	2	2.37	.01	.09	1	1	
96N 95+50E	7	58	11	238	1.5	49	11	308	4.45	38	5	ND	1	28	2	4	2	77	.22	.082	14	45	.34	424	.01	6	1.86	.01	.08	1	1	
96N 95+7SE	4	63	14	257	1.3	49	14	1086	4.10	67	5	ND	1	41	2	4	2	59	.27	.107	16	44	.47	562	.01	3	2.05	.01	.08	1	2	
96N 96+00E	3	53	11	159	.5	36	11	314	4.63	171	5	ND	1	53	2	2	2	54	.58	.048	11	56	.65	215	.02	2	2.20	.01	.07	1	11	
96N 96+2SE	3	63	15	138	2.8	21	10	669	4.87	32	5	ND	1	13	1	2	2	68	.12	.135	10	34	.55	144	.02	2	1.96	.01	.09	1	1	
96N 96+50E	2	27	11	102	.8	22	7	387	3.51	31	5	ND	1	13	1	2	2	87	.17	.073	10	55	.62	119	.09	2	1.67	.01	.06	1	1	
96N 96+7SE	1	28	12	70	.3	11	5	254	2.76	9	5	ND	1	29	1	2	2	85	.21	.047	7	31	.41	71	.17	2	1.56	.01	.04	1	4	
96N 97+00E	3	54	11	239	.7	35	20	299	3.78	28	5	ND	1	18	1	2	2	70	.21	.045	16	64	.64	209	.05	2	2.92	.01	.07	1	2	
96N 97+2SE	3	39	7	139	2.0	36	12	275	3.70	47	5	ND	1	59	2	2	2	69	.72	.054	12	73	.53	135	.02	3	2.01	.01	.07	1	2	
96N 97+50E	3	30	8	142	.3	41	10	244	4.10	57	5	ND	1	20	1	2	2	73	.19	.050	12	92	.74	141	.02	4	1.83	.01	.06	1	5	
96N 97+7SE	4	46	15	154	.8	64	15	334	4.44	90	5	ND	1	35	1	2	2	63	.28	.050	16	126	.92	154	.02	3	2.07	.01	.11	2	9	
96N 98+00E	4	38	13	144	.7	55	14	409	4.22	108	5	ND	1	24	1	2	3	70	.18	.047	14	107	.92	133	.02	3	2.11	.01	.09	1	8	
96N 98+2SE	3	47	20	206	.8	56	15	310	4.04	39	5	ND	1	58	2	2	2	62	.43	.043	15	111	.98	152	.02	4	2.42	.01	.09	1	5	
96N 98+50E	4	58	21	217	1.1	70	22	2410	4.61	62	5	ND	1	92	4	2	2	54	.83	.073	13	104	.93	157	.03	2	2.23	.01	.11	1	6	
96N 98+7SE	3	46	16	156	.9	52	13	338	4.39	67	5	ND	1	48	2	2	2	52	.34	.048	13	81	.62	106	.03	2	2.21	.01	.09	1	39	
96N 99+00E	3	43	14	182	.6	91	19	441	5.11	138	5	ND	1	16	1	2	3	60	.11	.045	14	105	.93	177	.02	2	2.04	.01	.09	1	4	
96N 99+2SE	3	41	14	157	.5	65	20	848	4.88	67	5	ND	1	26	1	2	2	77	.22	.064	14	153	.96	181	.03	2	2.23	.01	.08	1	6	
96N 99+50E	3	40	23	151	.4	52	23	2338	4.13	46	8	ND	1	51	1	2	3	57	.46	.093	14	83	.78	163	.03	5	2.00	.01	.11	1	12	
STD C/AU-S	19	57	38	129	6.8	66	27	956	3.80	40	22	8	32	46	17	15	21	59	.45	.083	34	55	.84	173	.08	38	1.65	.07	.12	14	54	

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SAMPLE#	NO PPM	CU PPM	PB PPM	ZM 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 PPM	LA PPM	CR %	Mg PPM	BA PPM	Ti %	B PPM	Al %	Na %	K PPM	W PPB	Au#
94N 99+2SE	2	27	17	148	1.4	36	8	138	4.09	106	5	ND	1	78	1	2	2	46	.71	.043	7	49	.35	156	.02	2	1.17	.01	.06	1	350
94N 99+5OE	2	42	19	270	1.7	53	17	739	4.39	119	6	ND	1	72	2	2	2	48	.61	.064	12	90	.75	150	.03	3	1.88	.01	.08	1	17
94N 99+7SE	3	122	14	153	2.1	84	19	2382	3.85	141	7	ND	1	93	4	2	3	40	.89	.086	13	123	.76	173	.04	2	2.17	.01	.08	1	10
94N 100+0OE	1	43	13	125	.3	153	19	479	6.58	64	5	ND	1	14	1	2	2	140	.14	.065	5	459	3.19	77	.08	2	2.73	.01	.06	1	2
94N 100+2SE	3	28	11	124	.1	39	9	208	3.84	34	5	ND	2	10	1	2	3	49	.09	.060	12	84	.89	169	.02	2	1.76	.01	.07	1	1
94N 100+5OE	1	61	13	146	.2	162	33	850	6.75	19	5	ND	1	24	1	2	2	160	.31	.050	5	591	4.14	73	.21	2	3.64	.01	.07	1	1
94N 100+7SE	2	56	11	154	.3	174	29	354	6.04	74	5	ND	2	17	1	2	3	98	.12	.049	12	326	2.31	129	.03	2	2.86	.01	.07	1	3
94N 101+0OE	1	84	9	79	.1	29	16	237	6.16	108	5	ND	1	13	1	3	2	46	.13	.078	8	22	.15	115	.01	2	1.02	.01	.05	1	70
94N 101+2SE	2	54	13	114	.1	22	13	299	5.40	36	5	ND	2	10	1	3	2	66	.07	.073	12	42	.68	123	.01	2	2.02	.01	.08	1	25
94N 101+5OE	2	42	11	74	.1	13	7	275	3.31	21	5	ND	1	9	1	2	2	52	.07	.058	11	22	.28	85	.01	3	1.23	.01	.05	1	66
94N 102+2SE	2	35	13	85	.2	23	11	246	4.61	70	5	ND	1	13	1	2	2	63	.08	.051	8	29	.22	153	.02	2	1.20	.01	.06	1	39
94N 102+5OE	2	59	5	93	.1	21	12	272	4.43	40	5	ND	2	16	1	2	2	93	.15	.047	8	37	.59	107	.04	2	1.87	.01	.05	1	2
94N 102+7SE	2	20	6	70	.4	19	6	140	2.67	14	5	ND	1	20	1	2	2	65	.12	.041	12	37	.49	60	.03	2	1.43	.01	.06	1	1
94N 103+0OE	6	100	17	214	.4	67	19	468	6.07	95	5	ND	1	14	1	2	2	57	.11	.075	9	70	.67	91	.02	2	1.84	.01	.08	1	29
94N 103+2SE	8	135	13	408	1.0	80	21	532	7.05	95	5	ND	1	14	2	5	3	72	.10	.126	7	107	.64	137	.01	2	2.25	.01	.08	1	1
94N 103+5OE	10	36	18	185	.9	25	6	120	3.49	74	5	ND	1	12	1	5	2	65	.10	.066	12	32	.25	94	.01	2	1.24	.01	.06	1	1
94N 103+7SE	19	41	15	250	.7	32	7	794	4.05	51	5	ND	1	9	1	3	2	91	.06	.080	9	26	.37	89	.03	2	1.26	.01	.05	1	1
94N 104+0OE	22	79	14	415	.7	52	10	527	5.25	90	6	ND	1	8	1	10	2	58	.05	.080	15	30	.26	98	.01	2	1.19	.01	.05	1	6
94N 104+2SE	4	33	18	114	.4	22	8	426	4.29	17	5	ND	1	9	1	2	3	55	.11	.111	10	44	.50	67	.02	2	1.81	.01	.05	1	1
94N 104+5OE	8	26	11	153	.7	21	10	559	3.50	20	5	ND	1	12	1	3	2	52	.10	.076	9	38	.59	97	.01	2	1.70	.01	.07	1	175
94N 104+7SE	5	25	15	107	.9	20	7	280	4.02	23	5	ND	1	9	1	3	3	61	.06	.058	9	41	.41	78	.02	2	1.39	.01	.04	1	1
94N 105+0OE	6	41	14	332	.8	34	23	2538	5.00	19	5	ND	1	29	4	2	2	62	.34	.095	9	56	.89	265	.02	2	2.21	.01	.08	1	1
92N 95+0OE	5	49	11	121	.5	34	11	636	4.10	71	5	ND	1	15	1	5	2	60	.15	.075	9	59	.73	89	.04	2	1.34	.01	.06	1	3
92N 95+2SE	4	39	14	112	.4	30	8	297	4.64	63	5	ND	1	13	1	3	2	59	.14	.123	8	56	.66	103	.03	2	1.50	.01	.05	1	3
92N 95+5OE	5	70	16	136	.3	48	13	492	3.15	87	5	ND	1	15	1	3	2	51	.16	.056	10	66	.92	105	.03	3	1.88	.01	.06	1	14
92N 95+7SE	4	41	18	121	.4	32	10	444	4.87	79	6	ND	1	11	1	2	2	62	.08	.073	8	64	.64	78	.04	3	1.80	.01	.05	1	10
92N 96+0OE	5	79	6	204	1.2	53	21	2014	4.74	90	7	ND	1	35	3	2	2	80	.67	.104	11	82	.94	202	.03	2	2.56	.01	.08	1	18
92N 96+2SE	3	40	8	124	.6	21	9	453	4.72	168	5	ND	1	17	1	4	2	78	.24	.066	7	48	.62	151	.06	2	1.52	.01	.07	1	33
92N 96+5OE	4	59	10	148	.8	29	12	619	3.91	245	5	ND	1	12	1	3	3	74	.12	.063	7	61	.79	138	.06	6	1.78	.01	.06	1	54
92N 96+7SE	4	42	6	143	.9	22	9	788	4.24	97	5	ND	1	44	1	2	2	63	.49	.073	8	49	.65	142	.03	3	1.70	.01	.07	1	32
92N 97+0OE	5	54	12	193	.5	39	12	390	5.26	67	5	ND	1	49	1	2	2	71	.51	.095	8	65	.81	159	.02	3	1.94	.01	.07	1	10
92N 97+2SE	7	76	15	258	.5	52	21	460	5.29	83	5	ND	2	47	2	2	2	85	.40	.046	11	91	1.03	155	.01	2	2.41	.01	.09	1	1
92N 98+0OE	9	140	16	320	3.2	79	28	1529	5.77	78	5	ND	1	66	5	2	2	76	.59	.095	12	101	1.05	185	.02	2	2.70	.01	.15	1	21
92N 98+2SE	4	76	11	235	1.8	59	22	1069	4.78	50	5	ND	1	69	3	2	2	74	.64	.076	10	113	1.22	132	.03	2	2.27	.01	.11	1	7
92N 98+5OE	3	79	11	247	2.3	81	26	957	5.42	63	8	ND	2	71	2	2	2	88	.64	.065	10	184	1.49	125	.05	3	2.61	.01	.11	1	16
92N 99+0OE	3	61	17	228	.4	61	15	576	5.79	144	5	ND	1	11	1	2	2	100	.07	.045	10	147	1.39	143	.06	2	2.26	.01	.07	1	13
STD C/AU-S	18	57	40	129	6.9	65	27	956	3.94	39	18	8	32	45	16	14	22	59	.47	.081	34	55	.87	172	.08	35	1.70	.06	.13	13	53

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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	V	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	I	PPM	PPM	PPM	%	PPM	Ti	PPM	I	PPM	PPM										
92N 99+2SE	1	44	11	139	.6	33	13	875	4.98	22	5	ND	1	7	1	2	2	177	.07	.074	6	104	1.45	83	.11	5	2.30	.01	.06	1	1
92N 99+5OE	4	61	8	253	.6	60	27	738	5.86	77	6	ND	1	19	2	2	2	176	.13	.067	8	175	1.32	197	.04	2	2.42	.01	.07	1	5
92N 99+7SE	2	51	13	193	.7	79	14	348	5.73	262	5	ND	1	24	1	2	2	94	.17	.087	8	210	1.45	150	.04	4	2.34	.01	.11	1	8
92N 100+0OE	2	36	11	116	.4	27	5	370	2.98	44	5	ND	1	13	1	2	2	57	.10	.051	17	41	.21	120	.02	2	1.03	.01	.07	1	9
92N 100+2SE	2	30	9	117	.4	26	7	333	3.08	66	5	ND	1	26	1	2	2	60	.21	.043	12	58	.38	192	.03	3	1.21	.01	.08	1	8
92N 100+5OE	3	31	10	134	.2	31	7	190	3.57	108	5	ND	1	17	1	2	2	64	.15	.038	12	50	.28	170	.02	2	1.10	.01	.06	1	28
92N 100+7SE	4	47	21	252	.1	73	22	340	7.92	96	5	ND	4	13	1	2	2	140	.07	.054	9	223	1.42	100	.08	8	2.97	.01	.09	1	1
92N 101+0OE	1	51	11	148	.5	107	25	544	6.29	67	7	ND	2	18	1	2	2	162	.15	.038	6	285	2.52	84	.14	7	2.79	.01	.09	1	1
92N 101+2SE	1	79	7	98	.4	90	22	447	6.05	190	6	ND	1	35	1	2	2	129	.24	.074	5	238	1.23	135	.03	6	1.98	.01	.08	1	1
92N 101+5OE	1	63	11	99	.1	199	36	630	7.40	18	5	ND	1	13	1	2	2	209	.12	.036	3	654	5.53	40	.29	7	3.90	.01	.07	1	1
92N 101+7SE	2	29	9	105	.2	115	20	413	5.47	136	5	ND	1	13	1	3	2	121	.09	.048	8	239	1.43	73	.04	2	1.86	.01	.05	1	3
92N 102+0OE	1	51	10	72	.2	13	10	244	5.60	61	5	ND	1	19	1	3	2	64	.16	.072	5	16	.14	126	.01	2	1.16	.01	.05	1	30
92N 102+2SE	3	35	13	145	.1	30	10	437	3.83	62	5	ND	1	14	1	2	2	57	.13	.079	12	51	.61	147	.02	2	1.63	.01	.08	1	1
92N 102+5OE	3	47	5	182	.1	39	13	281	4.47	56	5	ND	2	11	1	2	2	50	.08	.060	13	65	.74	111	.01	2	1.94	.01	.08	1	1
92N 102+7SE	3	52	11	128	.4	33	14	295	5.12	83	6	ND	2	21	1	2	2	112	.16	.056	9	99	.94	139	.02	2	1.87	.01	.06	1	55
92N 103+0OE	5	45	13	165	.4	34	9	243	4.44	47	5	ND	1	13	1	3	2	69	.07	.043	12	63	.67	103	.03	2	1.79	.01	.07	1	2
92N 103+2SE	4	30	14	113	.1	28	10	238	3.33	30	5	ND	1	12	1	4	2	79	.11	.039	12	50	.46	103	.04	2	1.57	.01	.06	1	1
92N 103+5OE	4	45	13	301	2.1	37	11	286	4.10	56	5	ND	2	25	2	3	2	82	.15	.050	12	67	.71	111	.02	5	2.33	.01	.05	1	1
92N 103+7SE	8	76	11	742	1.5	51	18	1906	3.63	31	6	ND	1	97	17	2	2	101	.71	.056	12	52	.52	265	.02	2	2.43	.01	.06	2	1
92N 104+0OE	9	319	20	1768	6.6	107	20	2258	3.35	35	11	ND	1	113	38	4	2	59	.88	.071	45	60	.54	186	.02	16	2.45	.01	.06	4	1
92N 104+2SE	15	49	22	249	1.3	25	7	237	3.70	35	5	ND	1	16	2	4	2	97	.08	.091	12	51	.54	87	.03	2	1.66	.01	.08	1	1
92N 104+5OE	12	33	36	169	.6	20	4	115	3.23	23	5	ND	1	9	1	4	2	89	.04	.063	13	32	.31	97	.06	2	1.22	.01	.06	1	1
92N 104+7SE	9	132	13	922	2.1	71	31	811	5.51	49	5	ND	1	9	5	4	2	47	.09	.165	17	41	.49	155	.03	3	3.26	.01	.06	3	2
92N 105+0OE	6	62	24	402	.7	50	22	989	4.19	54	5	ND	2	19	3	3	2	64	.14	.073	16	79	.90	200	.01	2	2.34	.01	.08	1	1
R 742	6	58	11	184	.6	35	13	363	5.41	147	5	ND	1	10	1	5	2	96	.09	.046	12	66	.33	156	.02	2	1.71	.01	.05	1	138
R 742 A	3	47	16	138	.3	68	13	440	4.71	48	5	ND	2	19	1	2	2	101	.20	.046	7	151	1.23	136	.10	2	1.83	.01	.07	1	2
R 742 B	4	49	13	129	.1	85	12	343	4.35	138	5	ND	1	12	1	4	2	105	.07	.070	9	117	.51	92	.05	2	1.19	.01	.04	1	1
STD C/AU-S	20	65	38	140	7.2	67	31	1046	3.90	40	18	8	36	50	18	15	24	65	.47	.086	37	60	.88	189	.09	36	1.68	.07	.14	12	48

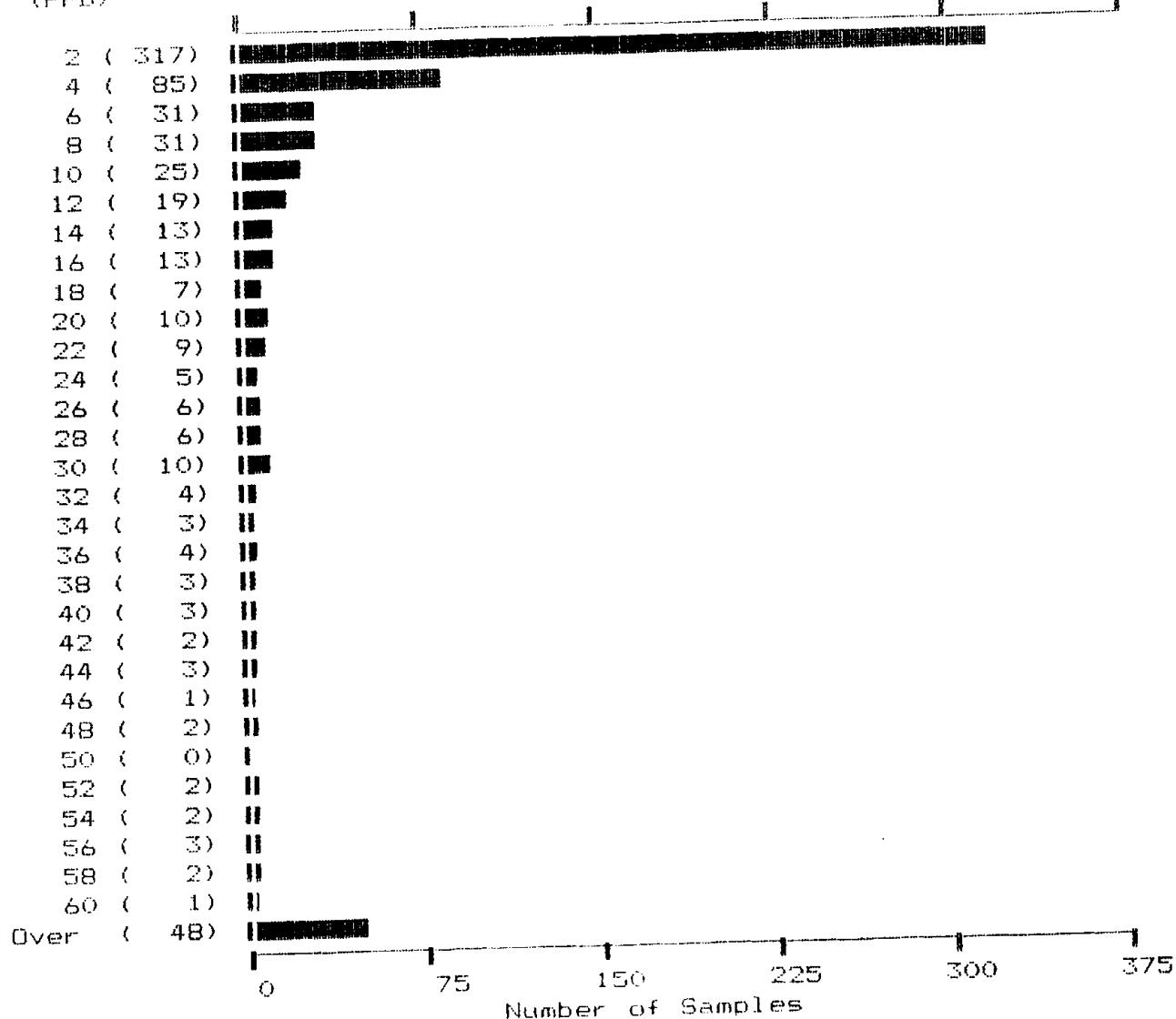
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SAMPLE#	NO	CU	PB	ZM	AG	NI	CO	NN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	M	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM								
GR-87-1	1	4	3	11	.1	7	2	303	.70	7	5	ND	1	30	1	2	2	.28	.105	2	4	.02	13	.01	2	.10	.04	.01	1	3	
GR-87-2	1	1	4	7	.1	6	1	64	.77	5	5	ND	1	1	1	2	2	14	.02	.002	2	11	.33	4	.01	2	.24	.01	.01	1	12
GR-87-3	1	102	21	76	.1	93	32	1300	7.34	105	7	ND	3	238	1	2	2	163	3.47	.111	3	308	3.66	.69	.02	2	2.21	.04	.08	1	2
GR-87-4	3	54	6	107	.5	11	6	242	4.79	13	5	ND	2	9	1	3	2	46	.09	.075	3	15	1.25	.102	.01	2	1.62	.03	.16	1	11
GR-87-5	4	91	9	76	.7	37	14	166	3.92	40	5	ND	2	14	1	9	2	37	.31	.108	6	19	.93	.37	.09	4	.97	.03	.21	1	6
GR-87-6	1	1	2	4	.1	2	1	65	.44	2	5	ND	1	6	1	2	2	1	.03	.010	2	2	.01	6	.01	2	.02	.01	.01	1	2
GR-87-7	1	37	8	54	.1	29	7	537	1.79	41	5	ND	3	150	1	2	2	6	1.27	.063	6	6	.54	.84	.01	3	.21	.02	.12	1	10
GR-87-8	1	114	5	154	.4	253	35	832	5.71	379	5	ND	3	281	1	2	2	21	2.50	.125	4	126	5.63	.83	.01	2	.32	.01	.19	1	1
GR-87-9	1	5	4	16	.1	6	1	109	.65	107	5	ND	1	10	1	2	2	1	.16	.019	2	2	.01	5	.01	2	.01	.01	.01	1	72
GR-87-10	1	136	16	105	.3	34	25	1199	8.38	32	5	ND	4	52	1	2	2	257	1.56	.128	6	94	4.25	23	.23	2	4.01	.02	.05	1	1
GR-87-11	1	10	9	4	.1	5	2	129	.54	5	5	ND	1	2	1	2	2	8	.06	.008	2	7	.08	6	.02	2	.09	.01	.01	1	5
GR-87-12	1	79	11	75	.1	26	19	849	5.15	17	5	ND	1	79	1	2	2	152	1.18	.123	3	74	2.17	25	.26	3	2.57	.03	.04	1	1
GR-87-13	1	102	10	100	.1	30	22	1132	6.48	15	8	ND	3	66	1	2	2	174	1.42	.136	4	60	2.58	36	.26	2	2.99	.04	.05	1	1
GR-87-14	1	34	6	12	.2	5	2	174	1.06	10	5	ND	1	5	1	2	2	28	.12	.021	2	13	.40	6	.06	2	.40	.01	.02	1	1
GR-87-15	1	101	10	82	.1	23	22	950	6.03	20	5	ND	3	86	1	2	2	165	1.58	.122	3	42	2.25	22	.25	2	3.08	.03	.03	1	2
GR-87-16	1	131	13	82	.1	19	16	986	5.26	12	5	ND	2	75	1	2	2	132	1.73	.119	3	21	1.75	29	.24	2	2.61	.03	.04	1	1
GR-87-17	1	5	3	4	.5	4	1	190	.50	2	5	ND	1	4	1	2	2	7	.06	.006	2	3	.10	6	.01	2	.13	.01	.01	1	1
GR-87-18	1	104	11	87	.1	28	17	1003	5.39	21	5	ND	2	85	1	3	2	136	2.03	.106	2	43	1.78	44	.24	2	2.73	.03	.03	2	1
GR-87-19	1	5	6	2	.1	3	1	95	.42	2	5	ND	1	3	1	2	3	4	.06	.004	2	6	.05	4	.01	2	.07	.01	.01	1	1
GR-87-20	1	80	3	13	.2	4	5	293	.95	8	5	ND	1	25	1	2	2	25	.47	.052	2	47	.53	12	.11	2	.36	.01	.01	1	2
GR-87-21	1	383	7	58	.3	53	22	604	4.28	28	5	ND	2	42	1	2	2	155	3.14	.082	2	87	1.63	63	.22	4	2.35	.03	.02	1	1
GR-87-22	1	24	7	122	.2	2	12	1037	5.50	64	5	ND	2	112	1	2	2	4	1.43	.121	6	1	.49	123	.01	2	.31	.03	.19	1	113
GR-87-23	1	12	2	19	.1	6	2	443	.79	11	5	ND	1	23	1	2	3	4	.25	.030	3	5	.10	25	.01	2	.15	.02	.02	1	3
GR-87-24	3	16	11	82	.1	14	5	1091	4.09	161	5	ND	2	68	1	4	2	4	.48	.216	10	1	.03	109	.01	2	.32	.05	.09	1	31
GR-87-25	2	3	2	8	.1	4	1	274	.79	13	5	ND	2	111	1	2	3	3	1.61	.230	5	4	.22	31	.01	2	.09	.02	.03	1	4
GR-87-26	1	34	2	65	.1	8	9	766	4.14	44	5	ND	2	234	1	2	2	45	2.33	.109	4	2	1.36	88	.01	2	.74	.04	.11	1	1
GR-87-27	8	101	12	110	.5	43	9	427	3.13	100	5	ND	2	17	1	4	2	5	.07	.051	8	5	.06	74	.01	2	.28	.01	.11	1	10
GR-87-28	1	60	8	62	.2	109	19	1192	4.48	125	5	ND	1	770	1	5	2	35	9.81	.036	2	40	4.41	79	.01	2	.26	.02	.12	1	1
GR-87-29	1	5	2	55	.1	4	2	395	1.29	914	5	ND	1	47	1	4	3	2	1.42	.046	2	2	.08	26	.01	2	.05	.04	.01	1	30
GR-87-30	1	6	2	6	.2	3	1	110	.51	45	5	ND	1	7	1	4	5	1	.07	.006	2	3	.03	10	.01	2	.03	.01	.01	1	10
GR-87-31	1	4	4	3	.1	4	1	88	.46	5	5	ND	1	23	1	2	3	3	.37	.002	2	2	.06	6	.01	2	.07	.01	.01	1	1
STD C/AU-R	20	62	37	138	7.0	70	29	1030	4.13	43	17	8	34	49	17	16	22	64	.50	.090	37	58	.91	185	.08	35	1.78	.07	.15	13	510

E & B EXPLORATION (87-2050)

AUX
(PPB)

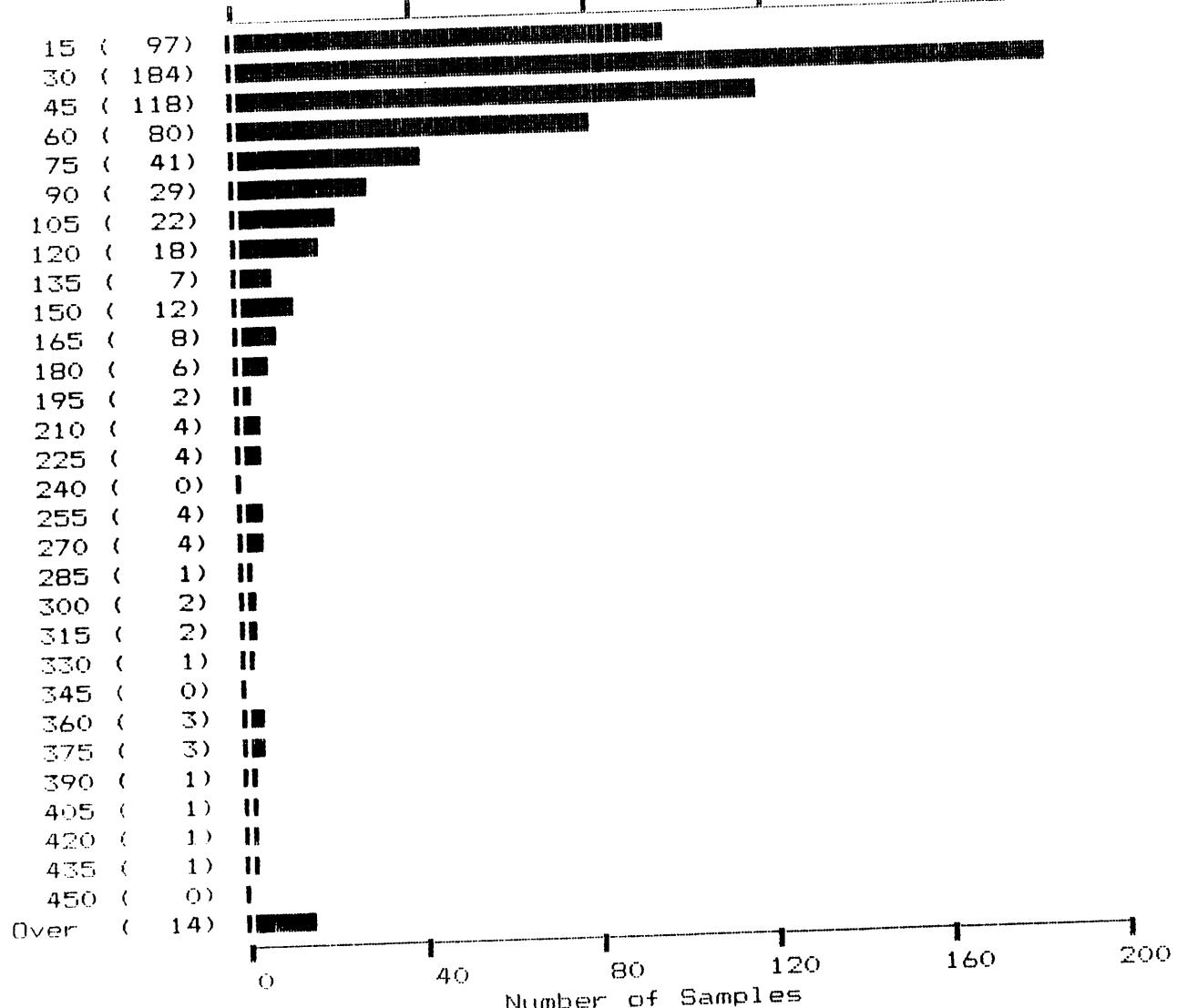


670 Samples Maximum: 590 Mean: 19
 Minimum: 1 Median: 3
 Standard Deviation: 55

E & B EXPLORATION (87-2050)

AS

(PPM)



670 Samples

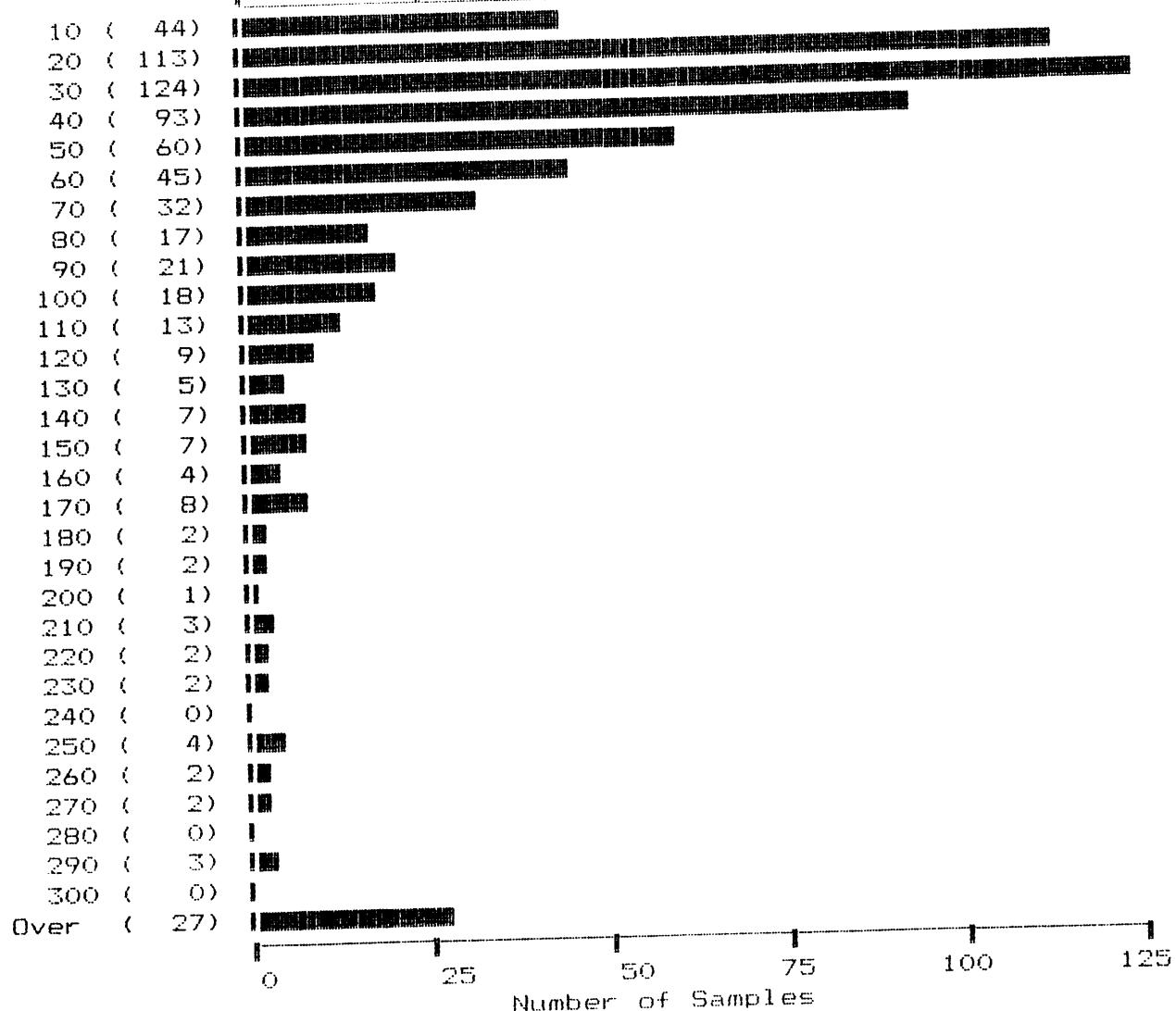
Maximum: 1371
Minimum: 2

Mean: 71
Median: 35
Standard Deviation: 122

E & B EXPLORATION (87-2050)

AS

(PPM)



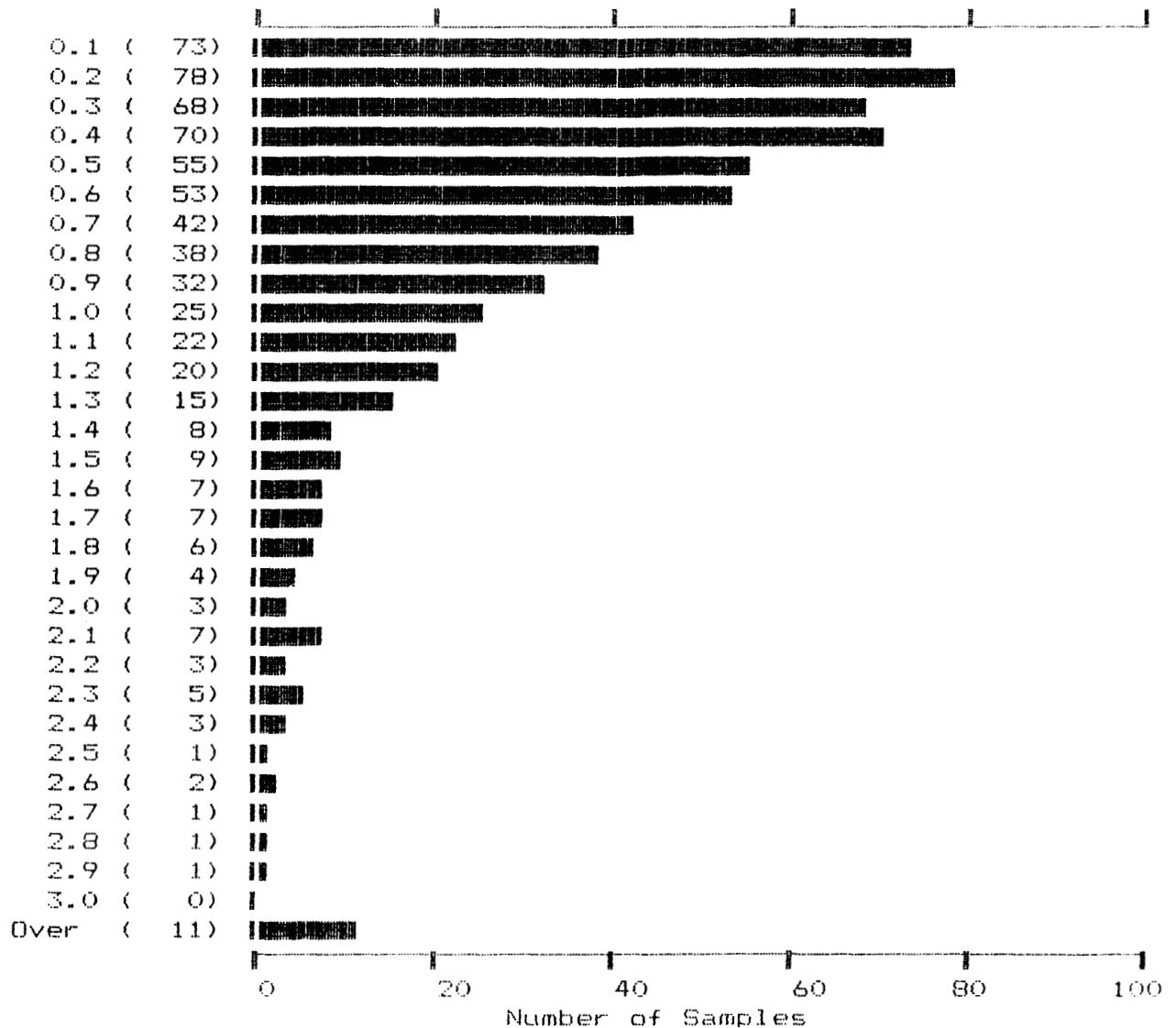
670 Samples

Maximum: 1371
Minimum: 2

Mean: 71
Median: 35
Standard Deviation: 122

E & B EXPLORATION (87-2050)

AIG
(PPM)



670 Samples

Maximum:

7-8

Mean:

Q. 7

Minimum:

○ 1

Median:

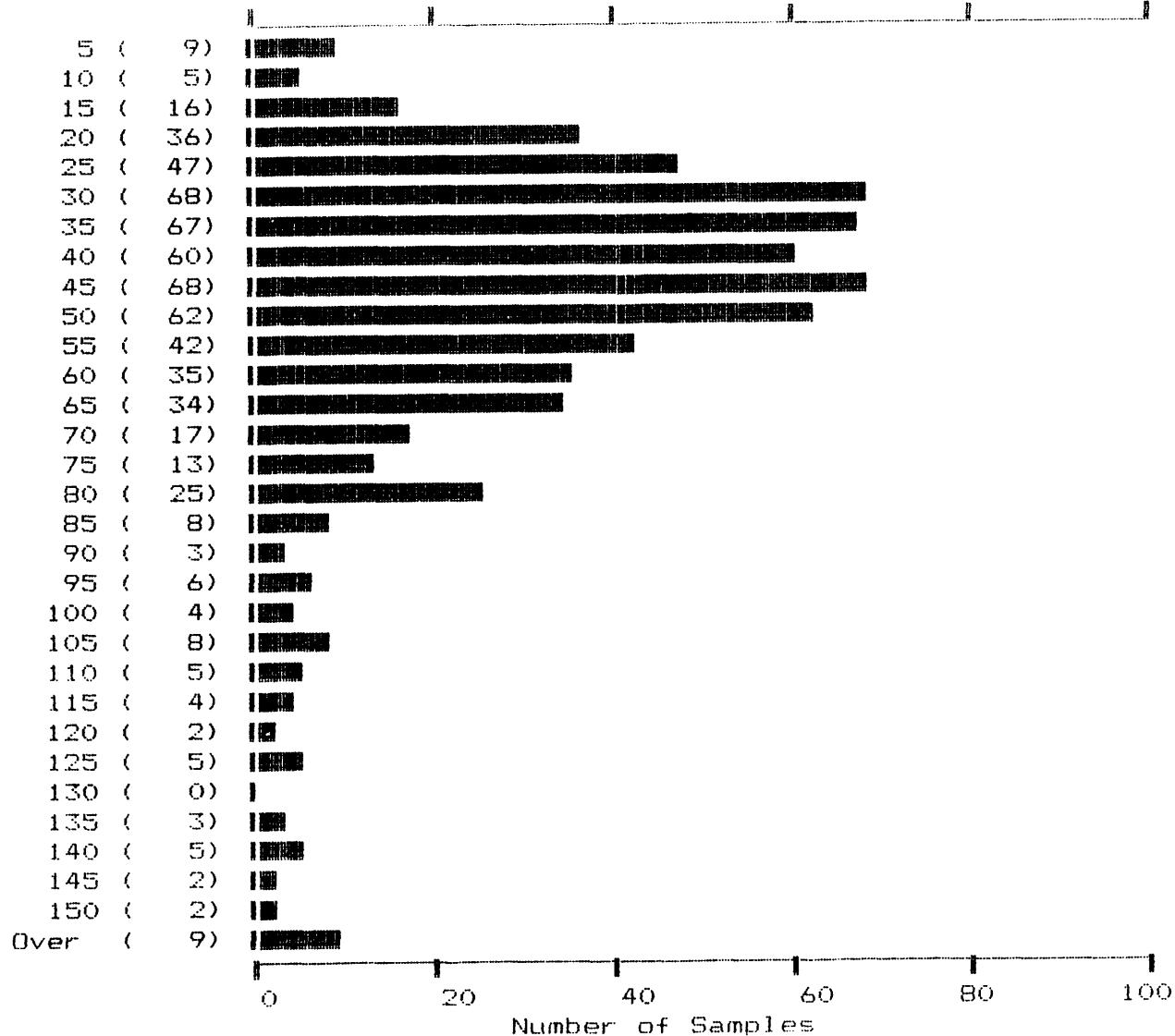
• 5

Standard Deviation:

5-7

E 2c B EXPLORATION (87-2050)

CU
(PPM)



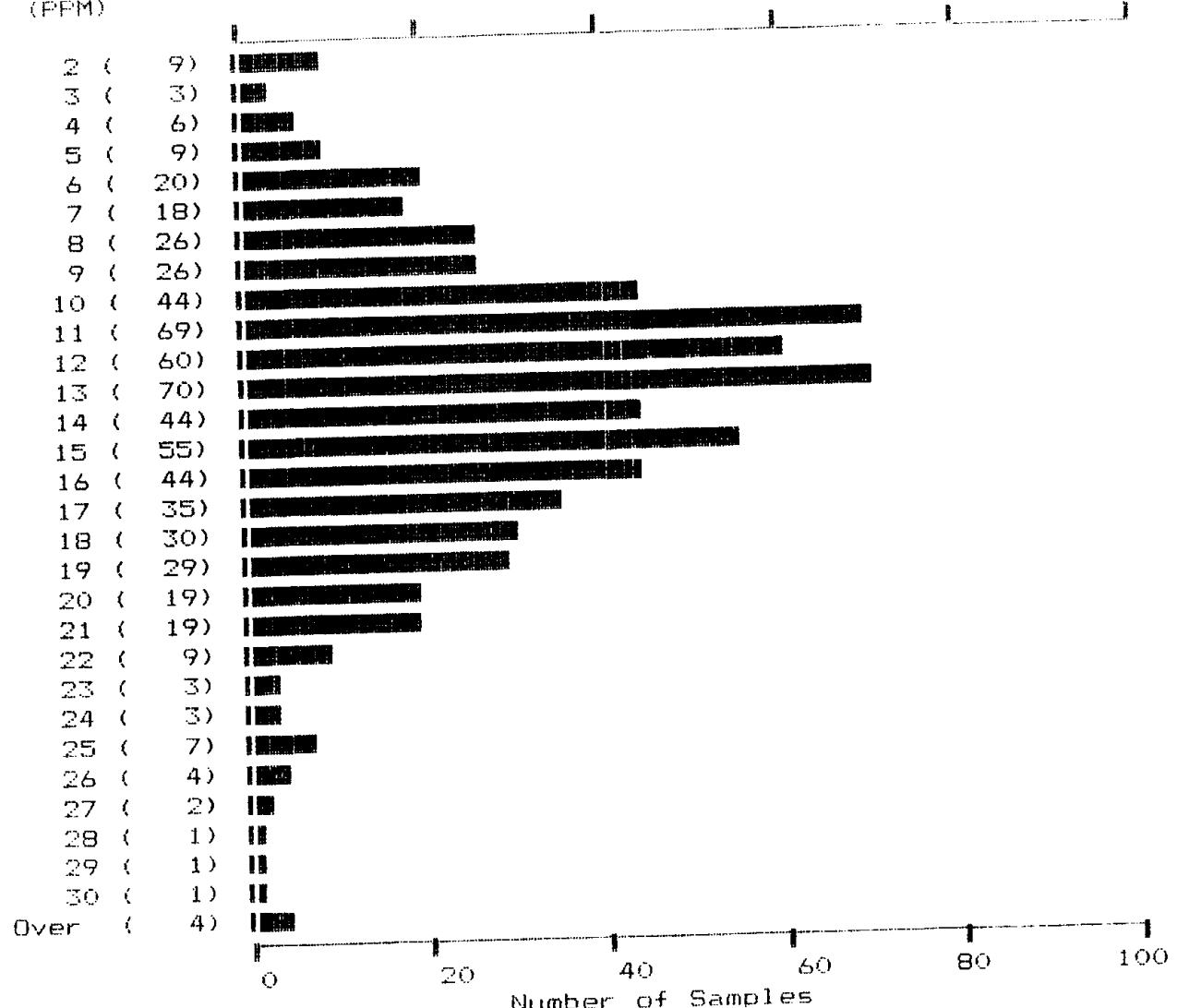
670 Samples

Maximum: 383
Minimum: 1

Mean: 49
Median: 42
Standard Deviation: 35

E & B EXPLORATION (87-2050)

PB
(PPM)



670 Samples

Maximum:
Minimum:

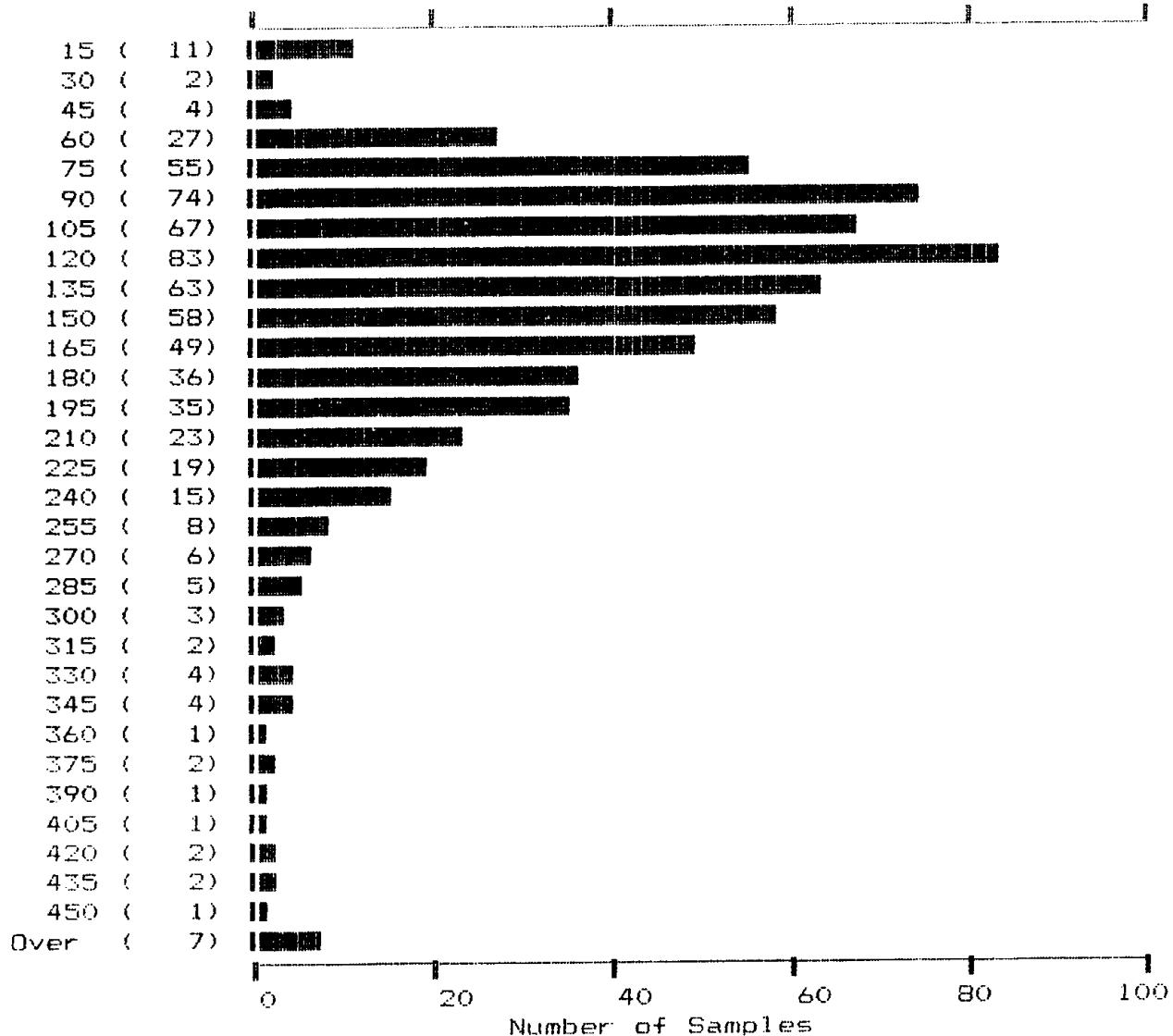
59

2

Mean: 14
Median: 13
Standard Deviation: 5

E 2c B EXPLORATION (87-2050)

ZN
(PPM)



670 Samples

Maximum: 1788

Mean: 142

Minimum: 2

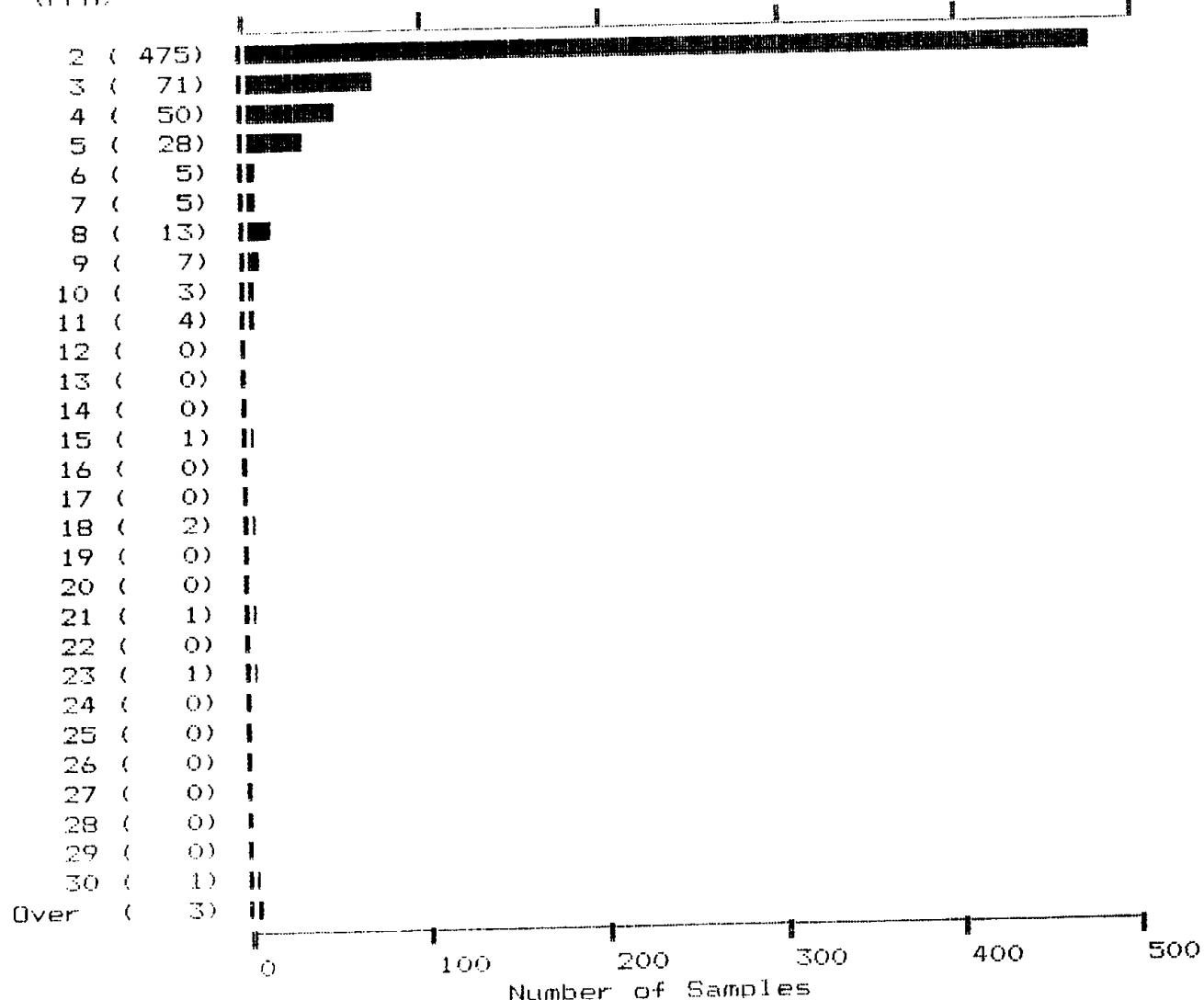
Median: 124

Standard Deviation: 104

E & B EXPLORATION (87-2050)

SB

(PPM)



670 Samples

Maximum:

67

Mean:

3

Minimum:

2

Median:

2

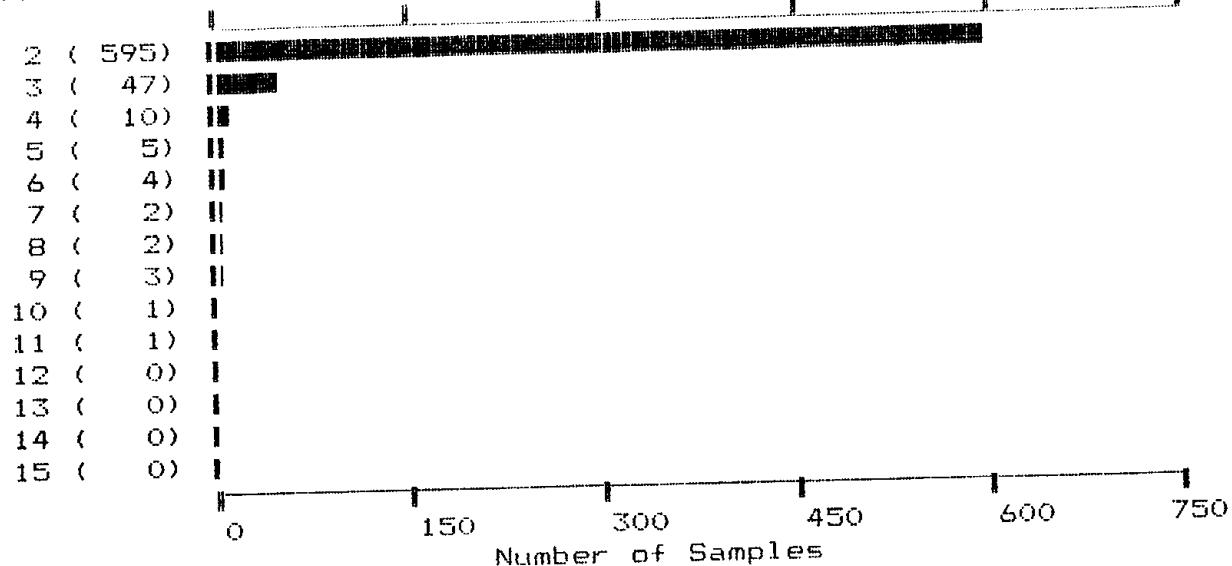
Standard Deviation:

4

E & B EXPLORATION (87-2050)

BX

(PPM)



670 Samples

Maximum:

11

Mean:

2

Minimum:

2

Median:

2

Standard Deviation:

1

APPENDIX B

JAMBOREE PROJECT

GEOPHYSICAL SURVEY RESULTS

1. DISCUSSION

VLF EM data have been profiled and Fraser Filter values calculated from in-phase readings have been contoured on a plan map at a scale of 1:2500. VLF EM in-phase anomaly amplitudes ranged from strong through moderate to weak. Some evidence of topography induced positive and negative bias can be seen on in-phase profiles, although this bias did not hinder interpretation. Areas of swamp and creeks noted by survey personnel may have contributed to some VLF EM response. Other than these possible surface effects the VLF EM profiles were noise free. VLF EM anomalies have been grouped into conductor systems according to profile character similarities and, where possible, with the aid of magnetic trends. Conductor axes have been interpreted between survey lines to form conductive trends. The interpreted strike continuation across the large 200 meter gap between survey lines must be considered less confident than continuation across lines spaced only 100 meters apart. Significant conductor systems have been labeled for further discussion.

Total field magnetic data were controlled by manual recording of magnetic values every 15 minutes at a stationary base station. "Linear Magnetic Drift Charts" were used to manually correct field magnetic readings for drift before use. Final magnetic values were posted and contoured on plan maps at a scale of 1:2500.

Magnetic results show four regions containing moderate to strong magnetic highs. Posted values show anomaly amplitudes ranging from about 200 gammas to over 2000 gammas. The southwestern half of the survey area generally seems to show a slightly higher magnetic level than the northeast half.

2. CONCLUSIONS

VLF electromagnetic results, on the "Geophysical Interpretation Map", show conductive features trending roughly northwest. VLF EM profile character indicates that most conductors exhibit moderate to low conductance and occur near surface. Two fault zones have been interpreted to explain conductor system offsets and profile character changes along strike. Nine conductor systems, or groups of systems, "A" through "I", have been labelled for discussion.

System "A" is a long conductor composed of strong anomalies on lines 10200N through 10600N and weak anomalies on lines 9600N through 10000N. The system is seen to continue southeastward from line 10200N after an offset at an interpreted fault, labelled "F1", between line 10200N and 10300N. The conductor location corresponds with a creek on lines 10200N through 10600N and approximately with a swamp on lines 10000N through 9600N. Association with surficial features suggests that system "A" may be due to swamp and stream sediments or clays. The relatively long and

straight strike length may indicate that the conductor represents a structural feature such as a fault or shear zone and that a topographic depression resulting from the structure has accumulated surficial sediments which have contributed to conductivity. Conductive fault material may also be a cause of conductivity in system "A". The western portion of "A" shows the strongest response and would have the best chance of containing structurally controlled sulphide minerals.

Systems "B" and "C", as well as nearby shorter conductors, form a group of roughly parallel features that occur on or near the northeast boundary of a magnetically active zone labelled "mA". Some anomalies within the group are coincident with swamp and may be partly caused by surface sediments. Conductor systems "D" and "D1" occur on the southwest boundary of the same magnetic zone and seem to partially parallel the magnetic zone boundary. It is interesting to note that no VLF EM anomalies are found within the most intense region of magnetism. Since the magnetism is related to geology it seems that the exclusion of conductivity from the highly magnetic zone and the apparent termination of conductivity near the magnetic zone boundary may indicate that the conductivity is also related to geology. If the conductivity in the above conductors is due to structural features, as is suspected in this case, then the magnetic zone may indicate a basic intrusion which is younger than the conductive structure.

Conductor "E" occurs on lines 10000N and 9800N and is to the southeast of interpreted fault "F1". System "E" shows a relationship to magnetic high "mA" similar to that of system "D" and may be a faulted extension of "D". System "E" appears to trend more southerly than conductors northwest of fault "F1" and is subparallel to regional magnetic contours. These more southerly trends suggest that the regional geologic trends may have shifted more towards the south below (southeast of) interpreted fault "F1".

Similar in-phase profile character of anomalies within a group of conductors formed by "F", "G" and "H", suggests that their trend is also more southerly than conductors northwest of interpreted fault "F1". These conductors show a profile character which is similar to that of the "B" - "C" group and could represent a faulted continuation of the "B" - "C" conductors. The anomaly locations of conductor "F" and most of "H" correspond with creeks. With the exception of "H", anomalies in this group are weak. The conclusion is that, although these systems might be structurally related, most of the response is from conductive sediments or conductive fault material. The strength of the "H" anomaly on line 9600N may suggest an accumulation of conductive minerals.

Conductor system "I" occurs southeast of a fault interpreted between lines 9200N and 9400N, labelled "F2". VLF EM profiles on lines 9200N and 9400N seem to indicate that the geological trend southeast of "F2" has changed back to a trend direction similar to that northwest of interpreted fault "F1". Conductor "I" may represent a continuation of system "H".

Smaller, weaker and shorter conductors in the area may reflect smaller structures, if near larger systems, or overburden conductivity if near wet areas or water courses.

As mentioned above, magnetic zone "mA" is believed to reflect a basic intrusive body. By inference the other magnetic zones labelled "mB", "mC" and "mD" are probably similar intrusions. Magnetic contours suggest that, whereas "mA", "mB" and "mD" are near surface, zone "mC" is deeper below surface. Magnetic contours also suggest that a deep extension of zone "mA" may continue to line 9600N in the vicinity of stations 9600E to 9700E. Magnetic model studies have provided an estimate of some of the parameters of the body causing magnetism in zone "mC". The correct order of magnitude of anomaly amplitude and approximately similar anomaly shape can be generated by a basic rock type with susceptibility of .0045 (c.g.s. units) buried at about 50 meters. The assumed "model study geometry" is shown on the 2 1/2 dimensional magnetic modeling print-out in this report. A weak near surface VLF EM anomaly, shown to be coincident with the peak of the magnetic zone "mC", probably reflects surface conductivity above the magnetic rock rather than conductivity related to the magnetic rock.

3. RECOMMENDATIONS

From a geophysical standpoint the best targets for follow-up are the group of conductors near the magnetic zone "mA" and the strong anomalies in system "A" even though the anomalies in "A" correspond with a creek. Horizontal loop or vertical loop electromagnetic surveys should be conducted over these targets to more accurately establish conductor axis location and parameters such as dip, conductance and depth below surface. Detail electromagnetic results should be carefully analysed in order to eliminate conductivity which may be due to conductive overburden and to establish priorities for conductive responses which most resemble true bedrock conductors. Follow-up should include geological and geochemical work to help determine the best targets for further exploration by trenching or drilling.

E.R. Rockel
Interpretex Resources Ltd.
Vancouver, B.C.
July, 1987

CERTIFICATE

I, Edwin Ross Rockel, Geophysicist of Vancouver, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.
2. I have been practising my profession since graduation.
3. I am a Professional Geophysicist registered in the Province of Alberta.
4. I am a Professional Engineer registered in the Province of Saskatchewan.
5. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.
6. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
7. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Sept 8, 1987 Signed: Edwin Ross Rockel

Vancouver,
British Columbia

Edwin Ross Rockel
B.Sc., P.Geoph., P. Eng.

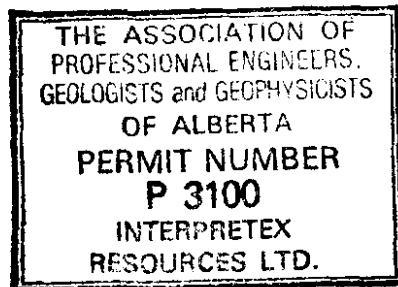
Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia

E.R. ROCKEL

Consulting Geophysicist



MODEL STUDY GEOMETRY

2 1/2 dimension Magnetic Modelling

Number of points along profile 35

Sample increment 1.0

Number of sources 1

Magnetic field value 57900.0

Field inclination (dip) 75.0

Angle (deg) between profile & mag N 25.0

Parameters for source #1

Susceptibility 0.00450

Strike half-length 100.0

Number of edges 5

Edges are located at following positions:

Y coordinate is unity (along strike of the source).

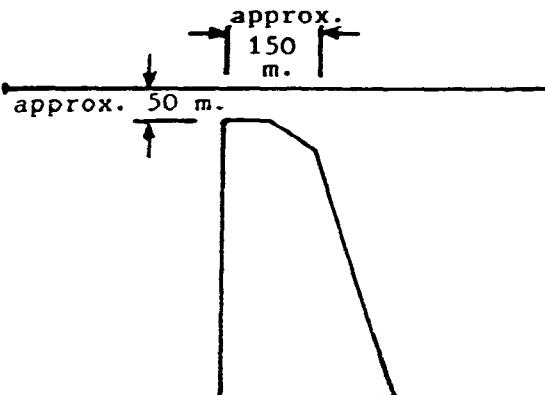
Coordinates for corner #1 are X = 14.00, and Z = 2.00

Coordinates for corner #2 are X = 17.00, and Z = 2.00

Coordinates for corner #3 are X = 20.00, and Z = 4.00

Coordinates for corner #4 are X = 25.00, and Z = 20.00

Coordinates for corner #5 are X = 14.00, and Z = 20.00

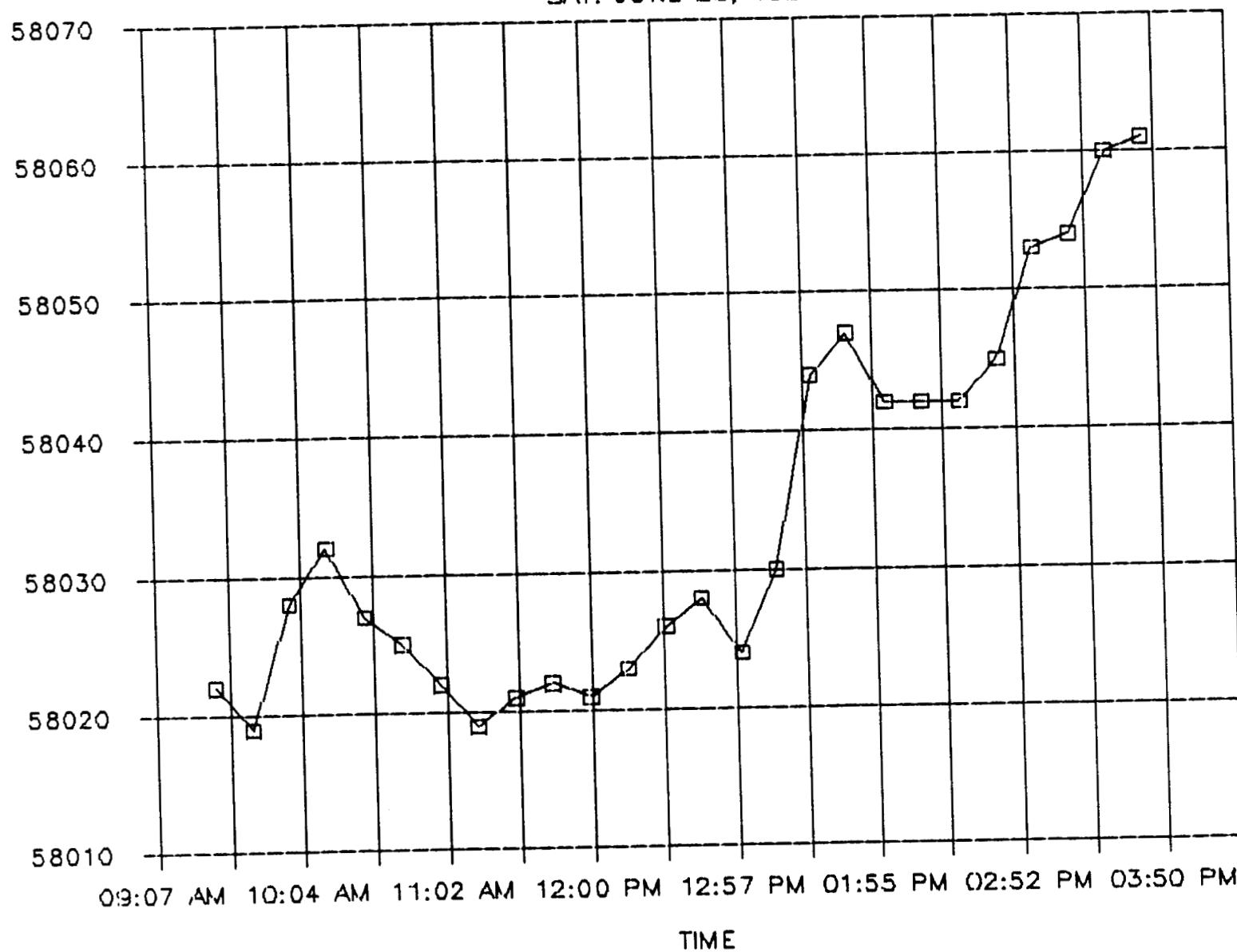


Sample	Gammas	Min.....	Max.....
1	-4.93	*	
2	0.80	*	
3	8.05	*	
4	17.23	*	
5	28.85	*	
6	43.61	*	
7	62.47	*	
8	86.78	*	
9	118.55	*	
10	160.83	*	
11	218.54	*	
12	299.81	*	
13	417.51		*
14	584.67		*
15	777.74		*
16	899.14		*
17	888.97		*
18	761.75		*
19	571.90		*
20	387.67		*
21	234.83	*	
22	116.69	*	
23	30.96	*	
24	-28.29	*	
25	-68.10	*	
26	-94.40	*	
27	-111.43	*	
28	-122.03	*	
29	-128.11	*	
30	-130.94	*	
31	-131.42	*	
32	-130.21	*	
33	-127.76	*	
34	-124.43	*	
35	-120.50	*	

LINEAR MAGNETIC DRIFT CHART

SAT. JUNE 20, 1987

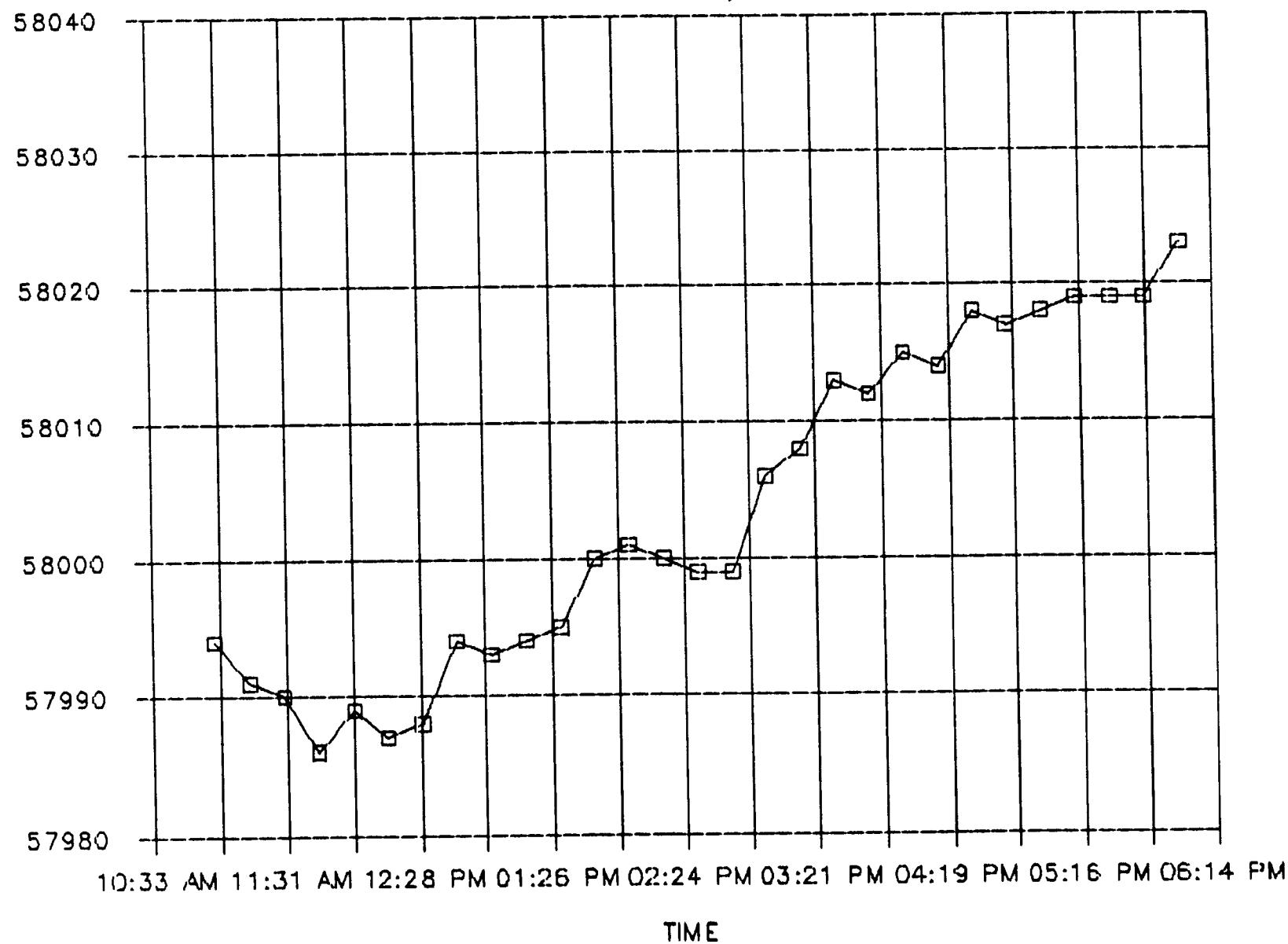
BASE STN. VALUES - GAMMAS



LINEAR MAGNETIC DRIFT CHART

MON. JUNE 22, 1987

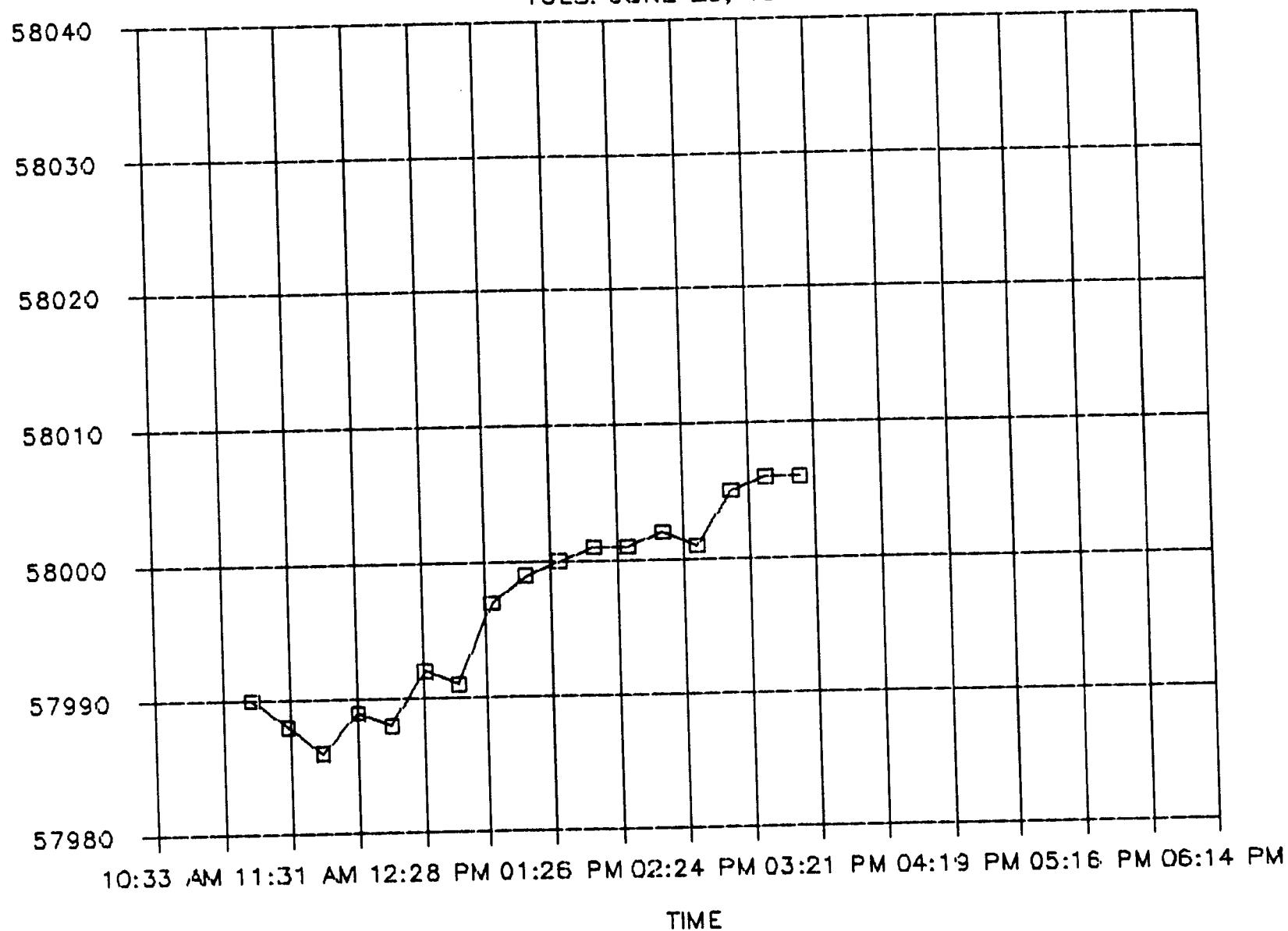
BASE STN. VALUES - GAMMAS



LINEAR MAGNETIC DRIFT CHART

TUES. JUNE 23, 1987

BASE STN. VALUES - GAMMAS



E I EXPLORATIONS INC.

VLF EM Matrix for IN-PHASE and OUT-OF-PHASE readings

EM-16 values in %, Line Spacing 100 m. and 200 m., station interval 25 m.

E D: Jamboree 3 & 4 FACING: southerly TRANSMITTER: Annapolis

File Name: VLFJAM34 STATION #'s are all eastings

WINDOW: #1 Field Values vs. Station

STA.	InP Quad													
	Line #													
1 100	18 20	14 12	22 14	20 1	15 8	10 14	18 -7	-1 -8	20 -6	-5 -10	-12 -4	-3 -4		
1~75	16 25	14 16	25 16	8 6	4 11	2 14	18 -1	20 -11	-1 -4	-20 1	7 0	9 -8		
10450	-8 23	15 15	10 16	6 15	13 16	-5 8	12 -5	-4 -15	-1 8	-2 -2	-6 -1	-1 -2		
1 125	-2 29	13 15	-10 20	6 21	-5 16	-3 10	16 -4	-4 5	-18 2	-5 12	-3 -2	-20 -4		
1 100	12 16	11 18	-25 10	-13 14	-5 12	5 8	14 -6	-14 -3	-35 24	-25 23	0 2	-18 6		
10375	15 14	5 17	-15 10	-15 12	-5 2	15 8	23 10	-11 8	-30 20	-8 30	-5 0	-29 0		
1~150	20 13	-2 18	-5 8	-10 28	6 -3	16 4	15 4	-36 21	-20 22	-12 22	2 -3	-37 4		
1 125	27 10	-1 12	5 7	9 3	18 4	19 16	-2 6	-40 20	-27 8	-35 10	-6 8	-40 4		
1w300	35 6	6 11	11 4	17 3	25 6	26 16	-37 7	-32 20	-27 10	-30 8	-30 4	-31 10		
10275	32 3	10 10	25 2	23 -1	32 12	12 13	-36 14	-29 21	-28 8	-25 11	-30 4	-22 8		
1 150	30 2	14 5	35 2	33 1	35 10	41 6	-16 26	-18 21	-23 4	-18 12	-25 5	-16 1		
1~125	20 5	17 4	32 0	42 1	10 8	-35 10	-14 16	-9 14	-20 4	-16 8	-25 6	-11 -2		
10200	10 6	17 8	32 6	40 2	-20 18	-30 12	-12 16	-8 12	-12 4	-15 3	-22 2	-10 0		
1 75	10 8	12 2	25 12	20 -1	-37 6	-23 12	-8 2	-7 6	-8 2	-18 -3	-23 -8	-5 -1		
1 50	30 13	4 0	5 30	18 11	-35 1	-18 8	-6 4	-2 4	-7 -1	-20 -5	-16 -8	-2 -8		
10125	31 21	15 17	-20 25	16 20	-23 10	-15 6	-4 3	-3 -2	-5 -2	-20 -8	-13 -12	1 -9		
1~100	60 8	20 22	-26 14	-9 10	-15 12	-6 2	2 0	2 -6	-8 -10	-22 -12	-8 -14	2 -12		
1 175	35 7	22 16	-15 14	-5 9	-5 6	-4 1	-1 -3	2 -7	-10 -12	-18 -16	-5 -16	8 -11		
1w50	22 10	21 16	-5 10	8 5	6 3	-1 -12	16 -3	13 -9	-12 -16	-15 -22	4 -18	5 -10		
10025	30 14	24 16	8 5	15 5	15 1	14 -17	14 -6	12 -6	-12 -20	-15 -25	9 -15	-4 -15		
1 100	38 17	23 12	25 5	16 2	25 -2	22 -13	16 -4	19 -10	-6 -20	-6 -22	16 -14	-9 -8		
1~75	36 15	19 8	36 12	25 2	35 -3	33 -5	26 -8	19 -8	5 -18	5 -26	16 -6	-8 -6		
9950	35 6	17 6	30 15	30 -4	45 -3	17 -10	19 -1	14 -10	8 -22	15 -22	-2 -10	-17 -6		
1~125	40 8	14 2	30 8	22 -6	50 -1	19 -10	-15 -16	30 -14	12 -15	20 -13	-23 -8	-10 -14		
100	55 8	15 1	20 2	10 -6	25 -12	16 -6	-8 -12	5 -11	5 -8	18 -11	-28 -20	5 -9		
9875	50 -1	19 6	26 12	13 -5	30 -6	-2 -4	5 -6	-24 -10	-15 -4	6 -8	-1 -16	2 -3		
9450	55 -2	17 2	20 5	16 -2	19 -8	6 -9	5 -1	-2 -10	-22 -3	-15 0	-14 -7	-9 -4		
125	65 -8	16 2	29 1	17 -6	6 -5	8 -2	4 -5	-10 -12	-8 -4	-62 -4	-15 14	-10 0		
10000	65 1	18 0	32 -2	22 -2	13 -8	10 2	8 -4	-29 -2	-18 1	-25 -4	-20 8	-12 5		
9775	35 -2	22 3	35 -2	22 -6	17 1	11 1	1 1	-25 -5	-40 -2	-30 -16	-19 -9	-4 2		
50	40 2	18 0	28 2	20 -5	5 8	-26 1	2 -10	-3 4	-18 -8	-8 2	-10 -8	-13 4		
25	21 1	19 -2	40 -6	19 -1	-37 12	-16 -6	25 1	-26 18	-10 -7	-45 4	-16 -3	-12 9		
9700	23 3	16 -3	42 -6	13 -2	-32 3	3 -6	-5 4	-31 12	-11 1	-20 4	-12 -1	7 -6		
1~75	21 2	14 -8	48 -2	3 -6	-17 -10	30 -6	-30 12	-30 2	-35 -6	5 2	-11 -5	17 0		
50	18 4	6 -1	45 0	5 13	3 -6	30 1	-15 18	-17 3	-25 -3	-5 3	-7 -9	-4 2		
9625	13 5	9 2	35 13	-3 -14	15 0	-5 8	-30 10	-18 -1	-12 -2	-35 -7	-6 -12	-18 12		
9600	15 2	11 0	-17 -8	17 -12	14 11	-22 12	-28 5	-9 -8	-13 -3	-8 -2	-4 -9	-7 6		
125	14 5	8 -10	17 0	35 -6	-10 2	-5 13	-29 2	-10 -6	-25 -2	-5 -2	-3 0	-8 0		
1050	10 2	13 -7	35 -8	30 10	10 8	-3 8	-25 8	3 0	-15 -4	-15 1	-3 -2	-3 -2		
9525	12 6	11 13	37 1	-18 2	15 7	-4 15	-32 -4	-30 4	-18 -3	-36 3	-3 -3	2 -6		
100	13 6	5 11	22 6	11 14	9 5	-5 9	-31 -8	-60 -1	-10 1	-35 4	-8 -7	8 2		
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9450	14 5	-12 5	8 -1	-5 2	3 8	-13 3	-15 -22	-22 3	-26 0	-20 4				
1~25	11 3	-12 1	25 10	-16 12	-7 6	-22 -7	-14 -24	-9 4	-26 2	-25 4				
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9300	6	8	5	-4	8	-6	-10	-17	-8	-16	4	-15	-17	-6	-6	-1	-20	-4	-25	5
9275	8	6	3	0	-3	-5	-4	-8	-6	-23	1	-12	-23	-6	-9	-1	-30	-2	-5	2
9250	4	1	-4	-8	-15	-10	-45	-10	4	-16	-53	-10	-8	-12	-9	3	-35	4	-10	1
9225	5	1	-7	-6	-38	-6	-50	2	16	-18	-40	-8	4	-1	-11	-4	-40	3	-15	-1
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9050	-12	0	-12	-2	-40	-5	-55	2	-45	2	-40	10	-11	0	-9	3	-8	-1	-30	4
9025	-5	14	14	-4	-55	-1	-36	-1	-36	3	-65	4	-5	4	-12	2	-15	0	-24	2
9000	-13	7	-20	-6	-65	-8	-45	-2	-35	10	-33	14	-30	-12	-8	14	-25	-1	-20	0

E&B EXPLORATIONS INC.

VLF EM Matrix for FRASER FILTER values calculated from IN PHASE readings.

Fraser Filter Values calculated using a 25 m. station interval

GRID: Jamboree 3 & 4 FACING: southerly TRANSMITTER: Annapolis

File Name: VLFJAM34 STATION #'s are all eastings

WINDOW: #2 Fraser Filter value vs. Station

LINE:	FF L -											
STATN	Nth											
10462.5	25	0	26	9	6	11	4	15	22	-10	2	15
10437.5	-1	3	39	12	15	-3	-0	19	28	4	2	26
10412.5	-21	7	23	23	10	-16	-5	10	25	15	-2	14
10387.5	-14	12	-8	10	-6	-16	-4	16	-1	-5	-0	15
10362.5	-11	11	-23	-15	-19	-8	14	27	-10	8	-1	16
10337.5	-15	-1	-21	-29	-24	-8	43	13	2	25	18	3
10312.5	-11	-11	-20	-23	-18	-2	47	-8	4	5	31	-12
10287.5	-0	-11	-24	-16	-13	-4	7	-13	-2	-12	11	-18
10262.5	9	-8	-17	-18	7	18	-23	-19	-6	-11	-5	-14
10237.5	17	-6	-2	-13	43	65	-14	-17	-10	-7	-4	-10
10212.5	17	1	5	8	57	33	-6	-7	-13	-1	-3	-7
10187.5	-5	10	19	23	34	-13	-7	-5	-10	4	-4	-8
10162.5	-23	6	40	14	1	-11	-6	-6	-5	4	-9	-8
10137.5	-26	-11	43	18	-18	-11	-7	-5	-1	2	-10	-6
10112.5	-16	-13	15	27	-21	-13	-6	-5	3	-0	-9	-6
10087.5	16	-4	-14	2	-22	-9	-10	-9	5	-5	-11	-6
10062.5	21	-2	-25	-21	-23	-13	-16	-12	3	-6	-15	5
10037.5	-6	-2	-30	-16	-22	-23	-9	-9	-2	-7	-15	15
10012.5	-11	2	-32	-10	-21	-23	-7	-7	-13	-16	-11	10
9987.5	-2	6	-18	-13	-21	-8	-8	-1	-18	-23	6	7
9962.5	-0	6	0	-6	-17	10	21	-3	-12	-20	32	6
9937.5	-12	4	8	13	3	8	38	-1	-2	-10	37	-11
9912.5	-14	-2	8	16	20	12	4	35	17	6	2	-19
9887.5	-5	-4	2	2	13	18	-19	34	31	27	-20	1
9862.5	-6	1	-2	-6	17	-0	-7	-4	11	54	0	15
9837.5	-11	1	-8	-6	17	-8	-1	7	-6	41	11	9
9812.5	10	-4	-10	-6	-3	-4	0	23	15	-10	6	-2
9787.5	25	-3	-1	-2	-2	19	5	-6	17	-25	-3	-3
9762.5	19	2	-0	3	34	36	-10	-14	-16	-2	-7	5
9737.5	16	3	-10	6	51	-1	-9	16	-20	14	-1	-7
9712.5	9	4	-11	13	10	-42	35	18	10	-20	-2	-28
9687.5	3	8	-5	14	-30	-41	36	-5	21	-36	-6	-10
9662.5	7	8	5	8	-38	5	6	-14	-5	14	-6	26
9637.5	6	-0	40	-3	-24	49	7	-11	-19	24	-5	22
9612.5	1	-2	44	-28	8	29	7	-9	1	-15	-3	-4
9587.5	2	-1	-19	-28	17	-11	-2	-11	8	-12	-2	-8
9562.5	4	-3	-40	22	-12	-11	-0	4	-3	21	-1	-8
9537.5	-1	3	-4	40	-14	1	5	44	-7	28	3	-12
9512.5	-2	9	28	-9	4	3	0	38	-5	9		
9487.5	-1	14	29	-11	7	6	-12	-13	7	-10		
9462.5	1	19	-7	28	13	13	-15	-35	15	-12		
9437.5	3	5	-8	20	15	12	-12	-27	4	2		
9412.5	4	-13	41	-7	8	3	-18	-15	-5	4		
9387.5	3	-15	42	-10	3	-4	-26	-5	-3	-4		
9362.5	2	-9	-8	2	4	-13	-14	0	-3	4		
9337.5	2	-2	-32	5	1	-19	19	3	-4	7		

9312.5	1	3	-17	1	-6	-13	39	6	7	-16
9287.5	1	8	12	17	-11	27	14	5	16	-25
9262.5	3	11	32	43	-19	53	-20	3	13	-3
9237.5	5	7	27	24	4	6	-17	-1	-4	10
9212.5	4	3	13	5	47	-27	9	-2	-30	8
9187.5	5	5	16	7	35	-6	16	4	-23	14
9162.5	10	7	5	-3	4	6	3	12	3	18
9137.5	3	5	-10	-14	5	5	1	19	10	9
9112.5	-5	0	-1	-1	4	5	4	11	12	-8
9087.5	3	-2	3	18	0	4	-3	-12	-3	-10
9062.5	6	-18	4	-3	0	20	-9	-21	-12	-3
9037.5	1	-13	16	-18	-6	14	6	-9	7	-6

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG92N

BASE STATION DATUM 58000

LINE # 9200 N

OPERATOR ADJUST: 0

AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m.

STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57778	-6	58006	57784
10475	59661	-6	58006	59667
10450	57312	-6	58006	57318
10425	58153	-6	58006	58159
10400	57915	-6	58006	57921
10375	57897	-5	58005	57902
10350	58071	-5	58005	58076
10325	58392	-5	58005	58397
10300	58001	-5	58005	58006
10275	58014	-5	58005	58019
10250	57970	-5	58005	57975
10225	57938	-5	58005	57943
10200	57912	-5	58005	57917
10175	57928	-5	58005	57933
10150	57924	-5	58005	57929
10125	57916	-5	58005	57921
10100	57932	-4	58004	57936
10075	57936	-4	58004	57940
10050	57904	-4	58004	57908
10025	57902	-3	58003	57905
10000	57903	-3	58003	57906
9975	57896	-3	58003	57899
9950	58029	-3	58003	58032
9925	58364	-3	58003	58367
9900	58206	-3	58003	58209
9875	57947	-2	58002	57949
9850	57900	-2	58002	57902
9825	57934	-2	58002	57936
9800		-2	58002	no reading
9775	57948	-2	58002	57950
9750	57959	-2	58002	57961
9725	57939	-1	58001	57940
9700	57969	-1	58001	57970
9675	57983	-1	58001	57984
9650	57967	-1	58001	57968
9625	57952	-1	58001	57953
9600	58019	-1	58001	58020
9575	58240	-1	58001	58241
9550	57969	-1	58001	57970
9525	57972	-2	58002	57974
9500	57977	-2	58002	57979

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG94N

BASE STATION DATUM 58000

LINE # 9400 N

OPERATOR ADJUST: 0

AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m.

STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57889	0	58000	57889
10475	57881	0	58000	57881
10450	57840	0	58000	57840
10425	57965	-1	58001	57966
10400	57960	-1	58001	57961
10375	57939	-1	58001	57940
10350	57916	-1	58001	57917
10325	57913	-1	58001	57914
10300	58317	-1	58001	58318
10275	57867	-1	58001	57868
10250	57942	-1	58001	57943
10225	57916	-1	58001	57917
10200	57939	-1	58001	57940
10175	57898	-1	58001	57899
10150	57890	-1	58001	57891
10125	57903	-1	58001	57904
10100	57905	-1	58001	57906
10075	57906	-1	58001	57907
10050	57902	-1	58001	57903
10025	57903	-1	58001	57904
10000	57892	-1	58001	57893
9975	57886	-1	58001	57887
9950	57881	-1	58001	57882
9925	57900	-1	58001	57901
9900	58116	-1	58001	58117
9875	58028	-1	58001	58029
9850	57886	-1	58001	57887
9825	57870	-1	58001	57871
9800	57884	-1	58001	57885
9775	58290	-1	58001	58291
9750	58485	-1	58001	58486
9725	58049	-1	58001	58050
9700	58016	-1	58001	58017
9675	58107	-1	58001	58108
9650	58171	-1	58001	58172
9625	58041	-1	58001	58042
9600	58008	-1	58001	58009
9575	57988	-1	58001	57989
9550	57975	-1	58001	57976
9525	58013	-1	58001	58014
9500	58021	-1	58001	58022

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG96N

BASE STATION DATUM 58000

LINE # 9600 N

OPERATOR ADJUST: 0

AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m.

STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
10500	58013	0	58000	58013
10475	57949	1	57999	57948
10450	57900	1	57999	57899
10425	57891	1	57999	57890
10400	58007	1	57999	58006
10375	58479	1	57999	58478
10350	58780	1	57999	58779
10325	58949	1	57999	58948
10300	58372	1	57999	58371
10275	58480	1	57999	58479
10250	58042	1	57999	58041
10225	58004	1	57999	58003
10200	57996	1	57999	57995
10175	57988	1	57999	57987
10150	57998	1	57999	57997
10125	57979	1	57999	57978
10100	57983	1	57999	57982
10075	57969	2	57998	57967
10050	57996	2	57998	57994
10025	57970	2	57998	57968
10000	57958	3	57997	57955
9975	57975	3	57997	57972
9950	57991	3	57997	57988
9925	58011	3	57997	58008
9900	58062	4	57996	58058
9875	57984	4	57996	57980
9850	57989	5	57995	57984
9825	58050	5	57995	58045
9800	58017	5	57995	58012
9775	58031	6	57994	58025
9750	58080	6	57994	58074
9725	58088	7	57993	58081
9700	58176	7	57993	58169
9675	58204	8	57992	58196
9650	58107	8	57992	58099
9625	58119	9	57991	58110
9600	58101	9	57991	58092
9575	58089	9	57991	58080
9550	58081	9	57991	58072
9525	58097	9	57991	58088
9500	58084	9	57991	58075
9475	58089	9	57991	58080
9450	58112	9	57991	58103

9425	58110	9	57991	58101
9400	58108	9	57991	58099
9375	58114	8	57992	58106
9350	58128	8	57992	58120
9325	58136	8	57992	58128
9300	58140	8	57992	58132
9275	58144	8	57992	58136
9250	58156	8	57992	58148
9225	58203	8	57992	58195
9200	58192	8	57992	58184
9175	58205	8	57992	58197
9150	58232	8	57992	58224
9125	58241	8	57992	58233
9100	58191	8	57992	58183
9075	58218	8	57992	58210
9050	58236	8	57992	58228
9025	58242	8	57992	58234
9000	58223	8	57992	58215

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG98N

BASE STATION DATUM 58000

LINE # 9800 N

OPERATOR ADJUST: 0

AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m.

STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57912	10	57990	57902
10475	57909	10	57990	57899
10450	57874	10	57990	57864
10425	57567	10	57990	57557
10400	58273	10	57990	58263
10375	58074	10	57990	58064
10350	58285	10	57990	58275
10325	57938	11	57989	57927
10300	57926	11	57989	57915
10275	57931	11	57989	57920
10250	57929	11	57989	57918
10225	57936	11	57989	57925
10200	57958	11	57989	57947
10175	57933	11	57989	57922
10150	57960	11	57989	57949
10125	57985	11	57989	57974
10100	57948	12	57988	57936
10075	57920	12	57988	57908
10050	57955	12	57988	57943
10025	57950	12	57988	57938
10000	57931	12	57988	57919
9975	57932	12	57988	57920
9950	57925	12	57988	57913
9925	57922	12	57988	57910
9900	57898	12	57988	57886
9875	57904	12	57988	57892
9850	58018	13	57987	58005
9825	58473	13	57987	58460
9800	57982	13	57987	57969
9775	57960	13	57987	57947
9750	57968	14	57986	57954
9725	57970	14	57986	57956
9700	57981	14	57986	57967
9675	58020	14	57986	58006
9650	57985	14	57986	57971
9625	58028	14	57986	58014
9600	58015	13	57987	58002
9575	58033	13	57987	58020
9550	58026	13	57987	58013
9525	58045	13	57987	58032
9500	58050	13	57987	58037
9475	58056	12	57988	58044
9450	58068	12	57988	58056

9425	58079	12	57988	58067
9400	58082	12	57988	58070
9375	58099	12	57988	58087
9350	58122	11	57989	58111
9325	58084	11	57989	58073
9300	58121	11	57989	58110
9275	58119	11	57989	58108
9250	58118	11	57989	58107
9225	58130	11	57989	58119
9200	58151	11	57989	58140
9175	58158	11	57989	58147
9150	58155	11	57989	58144
9125	58171	11	57989	58160
9100	58176	11	57989	58165
9075	58182	12	57988	58170
9050	58190	12	57988	58178
9025	58199	12	57988	58187
9000	58213	12	57988	58201

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG100N

BASE STATION DATUM 58000 LINE # 10000 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION FINAL VAL. CORRECTN BASE VAL FIELD VAL

10500	57970	-19	58019	57989
10475	57880	-19	58019	57899
10450	57884	-19	58019	57903
10425	57902	-19	58019	57921
10400	57941	-19	58019	57960
10375	58258	-19	58019	58277
10350	60648	-19	58019	60667
10325	60488	-19	58019	60507
10300	58364	-20	58020	58384
10275	57979	-20	58020	57999
10250	57988	-20	58020	58008
10225	57985	-21	58021	58006
10200	57971	-22	58022	57993
10175	57968	-23	58023	57991
10150	57960	-23	58023	57983
10125	57945	-24	58024	57969
10100	57922	-24	58024	57946
10075	57829	-25	58025	57854
10050	57925	-26	58026	57951
10025	57950	-26	58026	57976
10000	57960	-27	58027	57987
9975	57938	-27	58027	57965
9950	57983	-28	58028	58011
9925	58071	-28	58028	58099
9900	58158	-28	58028	58186
9875	57973	-28	58028	58001
9850	57908	-28	58028	57936
9825	57865	-28	58028	57893
9800	57952	-29	58029	57981
9775	57917	-29	58029	57946
9750	57888	-30	58030	57918
9725	57915	-30	58030	57945
9700	58093	-30	58030	58123
9675	58691	-31	58031	58722
9650	58540	-31	58031	58571
9625	58376	-31	58031	58407
9600	60157	-31	58031	60188
9575	58212	-31	58031	58243
9550	57997	-29	58029	58026
9525	58170	-29	58029	58199
9500	58231	-29	58029	58260
9475	58188	-28	58028	58216
9450	58126	-28	58028	58154

9425	58087	-28	58028	58115
9400	58072	-27	58027	58099
9375	58063	-27	58027	58090
9350	58072	-27	58027	58099
9325	58095	-27	58027	58122
9300	58112	-27	58027	58139
9275	58124	-27	58027	58151
9250	58127	-27	58027	58154
9225	58123	-27	58027	58150
9200	58139	-27	58027	58166
9175	58146	-26	58026	58172
9150	58155	-26	58026	58181
9125	58169	-26	58026	58195
9100	58175	-26	58026	58201
9075	58320	-26	58026	58346
9050	58234	-26	58026	58260
9025	58205	-26	58026	58231
9000	58233	-26	58026	58259

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG102N

BASE STATION DATUM 58000 LINE # 10200 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION FINAL VAL. CORRECTN BASE VAL FIELD VAL

10500	57934	-23	58023	57957
10475	57932	-23	58023	57955
10450	57933	-23	58023	57956
10425	57967	-23	58023	57990
10400	57966	-23	58023	57989
10375	58044	-23	58023	58067
10350	58093	-23	58023	58116
10325	58134	-23	58023	58157
10300	57979	-22	58022	58001
10275	57975	-22	58022	57997
10250	57979	-22	58022	58001
10225	57967	-22	58022	57989
10200	57982	-22	58022	58004
10175	57998	-22	58022	58020
10150	57989	-22	58022	58011
10125	58022	-22	58022	58044
10100	58016	-22	58022	58038
10075	57993	-22	58022	58015
10050	58011	-21	58021	58032
10025	57987	-21	58021	58008
10000	58028	-21	58021	58049
9975	58034	-21	58021	58055
9950	58052	-21	58021	58073
9925	58219	-21	58021	58240
9900	58190	-21	58021	58211
9875	58223	-21	58021	58244
9850	57971	-21	58021	57992
9825	57961	-21	58021	57982
9800	57995	-21	58021	58016
9775	57960	-22	58022	57982
9750	57951	-22	58022	57973
9725	57923	-22	58022	57945
9700	57928	-22	58022	57950
9675	57935	-22	58022	57957
9650	58445	-22	58022	58467
9625	58694	-22	58022	58716
9600	58538	-22	58022	58560
9575	58488	-22	58022	58510
9550	58673	-22	58022	58695
9525	58362	-22	58022	58384
9500	58177	-22	58022	58199
9475	58238	-22	58022	58260
9450	58123	-22	58022	58145

9425	58160	-22	58022	58182
9400	58184	-22	58022	58206
9375	58196	-22	58022	58218
9350	58211	-22	58022	58233
9325		-22	58022	no reading
9300	58224	-22	58022	58246
9275	58200	-22	58022	58222
9250	58443	-21	58021	58464
9225	58195	-21	58021	58216
9200	58156	-20	58020	58176
9175	58177	-20	58020	58197
9150	58193	-20	58020	58213
9125	58196	-20	58020	58216
9100	58204	-20	58020	58224
9075	58227	-20	58020	58247
9050	58231	-20	58020	58251
9025	58188	-20	58020	58208
9000	58253	-20	58020	58273

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG103N

BASE STATION DATUM 58000 LINE # 10300 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57630	-30	58030	57660
10475	60216	-30	58030	60246
10450	58013	-31	58031	58044
10425	58007	-31	58031	58038
10400	57975	-32	58032	58007
10375	57957	-32	58032	57989
10350	57910	-33	58033	57943
10325	57899	-33	58033	57932
10300	57940	-34	58034	57974
10275	58152	-34	58034	58186
10250	57887	-35	58035	57922
10225	57941	-35	58035	57976
10200	57925	-36	58036	57961
10175	57917	-37	58037	57954
10150	57931	-38	58038	57969
10125	57935	-39	58039	57974
10100	57937	-39	58039	57976
10075	57936	-40	58040	57976
10050	57932	-41	58041	57973
10025	57927	-44	58044	57971
10000	57999	-44	58044	58043
9975	58045	-44	58044	58089
9950	57905	-45	58045	57950
9925	57862	-45	58045	57907
9900	57874	-45	58045	57919
9875	57869	-45	58045	57914
9850	57899	-45	58045	57944
9825	57905	-45	58045	57950
9800	57891	-45	58045	57936
9775	57885	-46	58046	57931
9750	57874	-46	58046	57920
9725	57850	-46	58046	57896
9700	57868	-46	58046	57914
9675	57870	-46	58046	57916
9650	57885	-46	58046	57931
9625	57929	-45	58045	57974
9600	58079	-45	58045	58124
9575	58910	-45	58045	58955
9550	59127	-45	58045	59172
9525	58891	-45	58045	58936
9500	58495	-45	58045	58540
9475	58950	-44	58044	58994
9450	59396	-44	58044	59440

9425	58651	-44	58044	58695
9400	58439	-43	58043	58482
9375	58303	-43	58043	58346
9350	58371	-43	58043	58414
9325	58282	-42	58042	58324
9300	58158	-42	58042	58200
9275	58164	-42	58042	58206
9250	58142	-42	58042	58184
9225	58448	-42	58042	58490
9200	58164	-42	58042	58206
9175	58137	-42	58042	58179
9150	58144	-42	58042	58186
9125	58154	-42	58042	58196
9100	58176	-42	58042	58218
9075	58184	-42	58042	58226
9050	58203	-42	58042	58245
9025	58227	-42	58042	58269
9000	58225	-42	58042	58267

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: JAMBOREE 3&4
file name: MAG104N

BASE STATION DATUM 58000 LINE # 10400 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION FINAL VAL. CORRECTN BASE VAL FIELD VAL

10500	57747	-60	58060	57807
10475	57806	-60	58060	57866
10450	58735	-60	58060	58795
10425	59010	-60	58060	59070
10400	58046	-60	58060	58106
10375	58372	-60	58060	58432
10350	58011	-59	58059	58070
10325	57961	-58	58058	58019
10300	57931	-58	58058	57989
10275	57931	-57	58057	57988
10250	58005	-57	58057	58062
10225	57914	-57	58057	57971
10200	57862	-57	58057	57919
10175	58261	-56	58056	58317
10150	58135	-56	58056	58191
10125	57986	-55	58055	58041
10100	57963	-55	58055	58018
10075	57982	-54	58054	58036
10050	57995	-54	58054	58049
10025	57993	-54	58054	58047
10000	57990	-54	58054	58044
9975	57931	-54	58054	57985
9950	57974	-54	58054	58028
9925	58357	-54	58054	58411
9900	58007	-54	58054	58061
9875	57978	-54	58054	58032
9850	57948	-54	58054	58002
9825	57964	-53	58053	58017
9800	57970	-53	58053	58023
9775	57957	-53	58053	58010
9750	57949	-53	58053	58002
9725	57934	-53	58053	57987
9700	57919	-53	58053	57972
9675	57987	-53	58053	58040
9650	58009	-53	58053	58062
9625	57945	-52	58052	57997
9600	57922	-51	58051	57973
9575	57911	-51	58051	57962
9550	57943	-50	58050	57993
9525	57966	-50	58050	58016
9500	57965	-50	58050	58015
9475	58139	-49	58049	58188
9450	59283	-49	58049	59332

9425	58701	-48	58048	58749
9400	58730	-48	58048	58778
9375	58944	-48	58048	58992
9350	58380	-45	58045	58425
9325	58439	-45	58045	58484
9300	58306	-45	58045	58351
9275	58217	-45	58045	58262
9250	58243	-44	58044	58287
9225	58146	-44	58044	58190
9200	58172	-44	58044	58216
9175	58075	-44	58044	58119
9150	58167	-43	58043	58210
9125	58192	-43	58043	58235
9100	58195	-43	58043	58238
9075		-43	58043	no reading
9050	58239	-42	58042	58281
9025	58267	-42	58042	58309
9000	58265	-42	58042	58307

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG105N

BASE STATION DATUM 58000

LINE # 10500 N

OPERATOR ADJUST: 0

AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m.

STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57894	12	57988	57882
10475	57865	12	57988	57853
10450	57887	12	57988	57875
10425	57973	12	57988	57961
10400	58583	12	57988	58571
10375	58469	12	57988	58457
10350	58122	11	57989	58111
10325	58035	11	57989	58024
10300	57974	11	57989	57963
10275	57999	10	57990	57989
10250	57980	10	57990	57970
10225	58007	10	57990	57997
10200	58049	10	57990	58039
10175	57987	10	57990	57977
10150	57974	10	57990	57964
10125	57889	10	57990	57879
10100	58244	10	57990	58234
10075	58670	10	57990	58660
10050	58155	9	57991	58146
10025	58163	9	57991	58154
10000	58058	9	57991	58049
9975	57954	-22	58022	57976
9950	58290	-22	58022	58312
9925	58041	-22	58022	58063
9900	57988	-22	58022	58010
9875	57988	-21	58021	58009
9850	58006	-21	58021	58027
9825	57990	-21	58021	58011
9800	58004	-21	58021	58025
9775	58008	-20	58020	58028
9750	58011	-20	58020	58031
9725	57998	-20	58020	58018
9700	58011	-20	58020	58031
9675	58024	-19	58019	58043
9650	58019	-19	58019	58038
9625	57989	-19	58019	58008
9600		-19	58019	no reading
9575	58016	-19	58019	58035
9550	57996	-19	58019	58015
9525	57989	-19	58019	58008
9500	57975	-19	58019	57994
9475	57978	-19	58019	57997
9450	57954	-19	58019	57973

9425	58209	-19	58019	58228
9400	58433	-19	58019	58452
9375	58329	-19	58019	58348
9350	58197	-19	58019	58216
9325	58149	-19	58019	58168
9300	58177	-19	58019	58196
9275	58197	-19	58019	58216
9250		-19	58019	no reading
9225		-19	58019	no reading
9200	58214	-19	58019	58233
9175	58220	-19	58019	58239
9150	58214	-19	58019	58233
9125	58220	-19	58019	58239
9100	58214	-19	58019	58233
9075	58220	-19	58019	58239
9050	58214	-19	58019	58233
9025	58220	-19	58019	58239
9000	58214	-19	58019	58233

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG106N

BASE STATION DATUM 58000 LINE # 10600 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
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10500	57814	12	57988	57802
10475	57799	12	57988	57787
10450	57809	12	57988	57797
10425	57951	13	57987	57938
10400	58216	13	57987	58203
10375	57856	13	57987	57843
10350	58030	13	57987	58017
10325	57990	13	57987	57977
10300	57960	13	57987	57947
10275	57945	13	57987	57932
10250	57962	13	57987	57949
10225	57984	12	57988	57972
10200	57953	12	57988	57941
10175	57982	12	57988	57970
10150	57937	12	57988	57925
10125	57956	12	57988	57944
10100		12	57988	no reading
10075	57944	12	57988	57932
10050	57936	12	57988	57924
10025	57951	12	57988	57939
10000	57950	12	57988	57938
9975	57924	11	57989	57913
9950	57948	11	57989	57937
9925	57957	11	57989	57946
9900	57950	10	57990	57940
9875	57965	9	57991	57956
9850	57972	9	57991	57963
9825	57969	8	57992	57961
9800	57965	8	57992	57957
9775	57961	7	57993	57954
9750	57982	7	57993	57975
9725	57993	7	57993	57986
9700	58020	6	57994	58014
9675	57994	6	57994	57988
9650	58022	6	57994	58016
9625	58014	6	57994	58008
9600	57953	6	57994	57947
9575	58026	6	57994	58020
9550	58011	6	57994	58005
9525	58011	6	57994	58005
9500	58020	6	57994	58014
9475	58005	6	57994	57999
9450	58010	7	57993	58003

9425	58031	7	57993	58024
9400	57954	7	57993	57947
9375	57899	7	57993	57892
9350	58069	7	57993	58062
9325	58023	7	57993	58016
9300	58071	7	57993	58064
9275	58078	7	57993	58071
9250	58160	7	57993	58153
9225	58139	7	57993	58132
9200	58159	6	57994	58153
9175	58220	6	57994	58214
9150	58192	6	57994	58186
9125	58206	6	57994	58200
9100	58223	6	57994	58217
9075	58256	6	57994	58250
9050	58268	6	57994	58262
9025	58297	6	57994	58291
9000	58310	6	57994	58304

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: JAMBOREE 3&4
file name: MAG107N

BASE STATION DATUM 58000 LINE # 10700 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL
10500	57801	-13	58013	57814
10475	57797	-13	58013	57810
10450	57814	-13	58013	57827
10425	57801	-13	58013	57814
10400	57809	-13	58013	57822
10375	57817	-13	58013	57830
10350	57885	-12	58012	57897
10325	57904	-12	58012	57916
10300	57934	-12	58012	57946
10275	57980	-12	58012	57992
10250	57947	-12	58012	57959
10225	57929	-13	58013	57942
10200	57939	-13	58013	57952
10175	57952	-13	58013	57965
10150	57857	-13	58013	57870
10125	57940	-15	58015	57955
10100	57961	-14	58014	57975
10075	57958	-14	58014	57972
10050	57971	-14	58014	57985
10025	57967	-14	58014	57981
10000	57974	-14	58014	57988
9975	57976	-14	58014	57990
9950	57973	-14	58014	57987
9925	57975	-15	58015	57990
9900	57974	-15	58015	57989
9875	57978	-15	58015	57993
9850	57981	-15	58015	57996
9825	57983	-16	58016	57999
9800	57978	-16	58016	57994
9775	57984	-16	58016	58000
9750	57986	-17	58017	58003
9725	57999	-17	58017	58016
9700	57987	-18	58018	58005
9675	58079	-18	58018	58097
9650	58031	-18	58018	58049
9625	58011	-18	58018	58029
9600	58024	-18	58018	58042
9575	58029	-18	58018	58047
9550	58026	-17	58017	58043
9525	58033	-17	58017	58050
9500	58061	-17	58017	58078
9475	58065	-17	58017	58082
9450	58071	-17	58017	58088

9425	58093	-17	58017	58110
9400	58102	-17	58017	58119
9375	58104	-17	58017	58121
9350	58099	-17	58017	58116
9325	58121	-17	58017	58138
9300	58131	-17	58017	58148
9275	58148	-17	58017	58165
9250	58154	-17	58017	58171
9225	58165	-17	58017	58182
9200	58179	-17	58017	58196
9175	58197	-17	58017	58214
9150	58215	-17	58017	58232
9125	58227	-17	58017	58244
9100	58246	-17	58017	58263
9075	58255	-17	58017	58272
9050	58278	-17	58017	58295
9025	58294	-17	58017	58311
9000	58315	-17	58017	58332

INTERPRETEX RESOURCES LTD.

TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET

GRID: JAMBOREE 3&4

file name: MAG109N

BASE STATION DATUM 58000 LINE # 10900 N
OPERATOR ADJUST: 0
AREA RANGE VALUE: 58000

STATION INTERVAL: 25 m. STATIONS - all eastings

STATION FINAL VAL. CORRECTN BASE VAL FIELD VAL

10500			no reading
10475			no reading
10450			no reading
10425	57937	-7	58007 57944
10400	57906	-6	58006 57912
10375	57909	-6	58006 57915
10350	57908	-6	58006 57914
10325	57929	-5	58005 57934
10300	57939	-5	58005 57944
10275	57924	-4	58004 57928
10250	57958	-3	58003 57961
10225	57908	-2	58002 57910
10200	57950	-2	58002 57952
10175	57967	-1	58001 57968
10150	57909	1	57999 57908
10125	57902	1	57999 57901
10100	57906	1	57999 57905
10075	57910	1	57999 57909
10050	57934	1	57999 57933
10025	57931	1	57999 57930
10000	57961	1	57999 57960
9975	57988	1	57999 57987
9950	58004	1	57999 58003
9925	58016	0	58000 58016
9900	58042	0	58000 58042
9875	58056	0	58000 58056
9850	58048	0	58000 58048
9825	58083	0	58000 58083
9800	58060	0	58000 58060
9775	58019	0	58000 58019
9750	58041	0	58000 58041
9725	58051	0	58000 58051
9700	58062	0	58000 58062
9675	58049	0	58000 58049
9650	58057	-1	58001 58058
9625	58025	-1	58001 58026
9600	58068	-1	58001 58069
9575	58075	-1	58001 58076
9550	58096	-1	58001 58097
9525	58088	-1	58001 58089
9500	58091	-1	58001 58092
9475	58116	-1	58001 58117
9450	58114	-1	58001 58115

9425	58129	-1	58001	58130
9400	58135	-1	58001	58136
9375	58141	0	58000	58141
9350	58138	0	58000	58138
9325	58162	0	58000	58162
9300	58141	0	58000	58141
9275	58155	0	58000	58155
9250	58187	0	58000	58187
9225	58200	0	58000	58200
9200	58186	0	58000	58186
9175	58208	0	58000	58208
9150	58202	0	58000	58202
9125	58232	0	58000	58232
9100	58247	1	57999	58246
9075	58264	1	57999	58263
9050	58278	2	57998	58276
9025	58294	2	57998	58292
9000	58304	2	57998	58302

SCINTREX**MP-2****Portable Proton
Precession
Magnetometer****Function**

The MP-2 is a portable one gamma proton precession magnetometer for field survey or base station use. The optimized design of sensor and circuitry using the latest COS/MOS components has resulted in a very light weight, low power consumption, rugged and reliable magnetometer.

Light emitting diodes coupled with an ingenious optically polarized reflector combine solid state reliability with easy reading even in bright sunlight.

Coupled with a module into which the MP-2 is easily inserted, the magnetometer can be used as a base station unit for analogue or digital recording. Full details of the MBS-2 Magnetic Base Station are available on another Scintrex specification sheet.

The noise-cancelling dual-coil sensor and electronics have been so designed as to effectively eliminate reading problems due to virtually all magnetic gradients which may be encountered in field survey conditions.

Features

1 gamma sensitivity and accuracy over range of 20,000 to 100,000 gammas.

Operates in very high gradients, to 5000 gammas per meter.

Ultra small size and weight.

Up to 25,000 readings from only 8 D cells.

Battery pack isolated from electronics for corrosion protection.

Battery pack easily extended for winter use.

Light emitting diode digital display, with complete test feature.

Unique no-glare polarized reflector permits easy reading in bright sunlight.

Indicator light warning of excessive gradient, ambient noise or electronic failure.

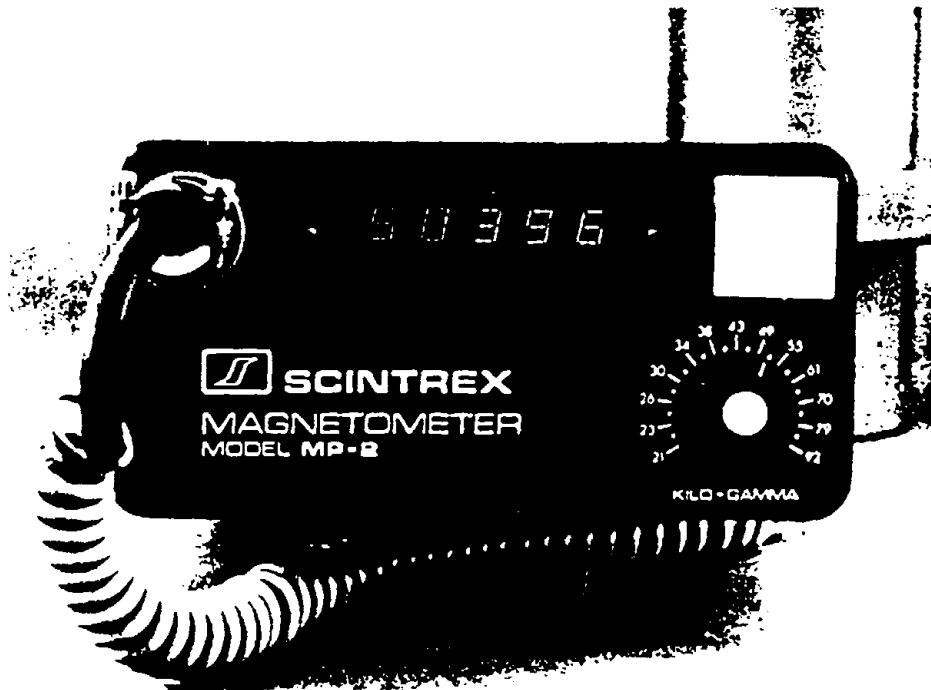
Digital readout of battery voltage.

Rugged all metal housing for rough field use at all temperatures.

Automatic recycling or external trigger features permit ready conversion to base station use.

Short reading time.

Broad operating temperature range.

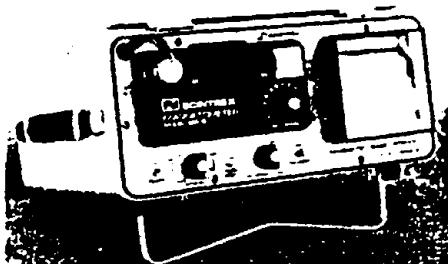


MP-2 Console

MP-2 in Operation with Staff Sensor



Technical Description of MP-2 Portable Proton Precession Magnetometer



MBS-2 Magnetic Base Station



MP-2 in Operation with Back Pack Sensor

Resolution	1 Gamma
Total Field Accuracy	±1 Gamma over full operating range
Range	20,000 to 100,000 gammas in 25 overlapping steps
Internal Measuring Program	Single reading - 3.7 seconds. Recycling feature permits automatic repetitive readings at 3.7 second intervals
External Trigger	External trigger input permits use of sampling intervals longer than 3.7 seconds
Readout	5 digit LED (Light Emitting Diode) readout displaying total magnetic field in gammas or normalized battery voltage
Digital Output	Multiplied precession frequency and gate times
Base Station Mode	MP-2 console slips into a base station module which provides external triggering as well as digital and analogue outputs. The complete unit is called the MBS-2 Magnetic Base Station
Gradient Tolerance	Up to 5000 gammas/meter
Power Source	8 alkaline "D" cells provide up to 25,000 readings at 25°C under reasonable signal/noise conditions (less at lower temperatures). Premium carbon-zinc cells provide about 40% of this number
Sensor	Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance
Harness	Complete for operation with staff or back pack sensor
Operating Temperature Range	-35°C to +60°C
Size	Console, with batteries: 80 x 160 x 250mm Sensor: 80 x 150mm Staff: 30 x 1550mm (extended) 30 x 600 mm. (collapsed)
Weights	Console, with batteries: 1.8 kg Sensor: 1.3 kg Staff: 0.6 kg
Standard Accessories	Sensor, Staff, Cable, Harness, Carrying Case, Manual
Shipping Weight	Approximately 9.5 kg

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Complete Geophysical
Instrumentation
and Services

SCINTREX MBS-2

Total Field
Magnetic Base Station

Function

The MBS-2 is a compact, portable, self powered, total field magnetic base station which incorporates the MP-2 Portable Proton Precession Magnetometer. It is designed and constructed to operate for extended periods at remote locations under a variety of environmental conditions. The resolution is one gamma.

The MBS-2 may be used as a base station for ground and airborne magnetic surveys, in observatories as well as for land, air and sea mobile surveying.

Visual digital display and analogue strip chart outputs are integral to the MBS-2. In addition, analogue and digital outputs are provided for external recording. Internal or external power supplies may be used.

Variable sampling intervals from 2 seconds to 10 minutes plus externally triggered response coupled with selectable recorder chart speeds and selectable analogue sensitivity permit a full range of settings for any monitoring situation.

The MBS-2 is supplied complete with MP-2 Magnetometer, recording control console, 50 metre sensor cable, sensor, non-magnetic tripod, one roll of chart paper, connectors, carrying case, and instruction manual. Optional accessories offer the flexibility of employing the MP-2 as a field portable survey unit.

Features

One gamma sensitivity and accuracy over the range of 20.000 to 100.000 gammas.

Operates in very high gradients, to 5000 gammas per metre.

Internal D cell power supply allows approximately 80 hours of operation. Alternatively, external power sources can be used.

Light Emitting Diode digital display for total field, lamp test and battery test.

Analogue recording output is switch selectable at 10, 100 or 1000 gammas full scale.

Digital output for interfacing with cassette or computer compatible magnetic tape recorders.

Automatic sampling intervals are variable from two seconds to ten minutes. Alternatively manual or remote clock commands can be used for any sampling interval greater than two seconds.

Timing pulse output allows synchronization of the MBS-2 with a remote recording system.

Timing pulses are automatically shown each ten minutes on the analogue strip chart.

Automatic stepping ensures no off-scale analogue traces.

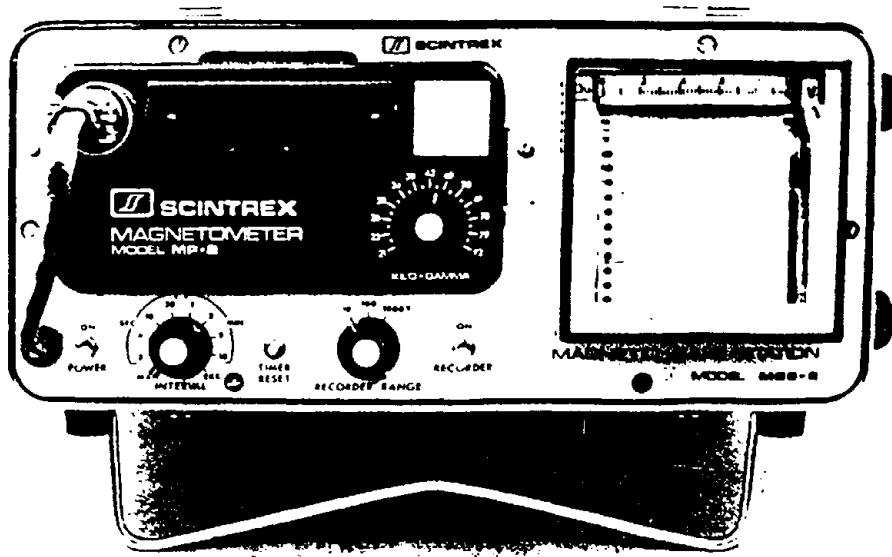
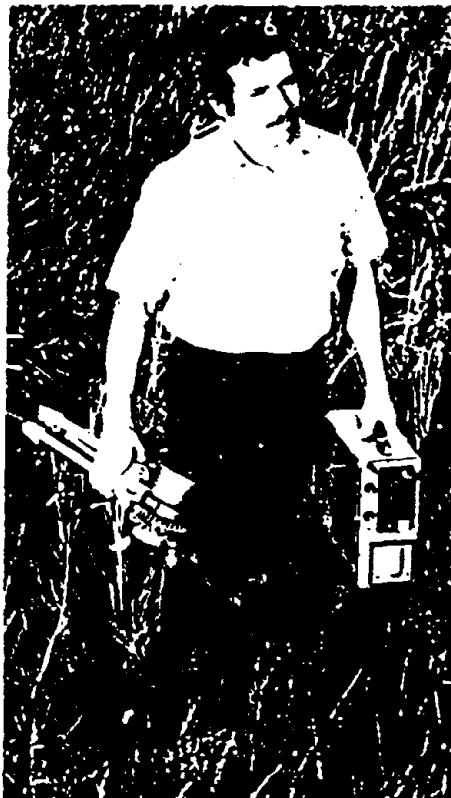
Reset feature allows precise initiation of recording to synchronize with airborne or other systems.

Unique no-glare polarized reflector permits easy reading in bright sunlight.

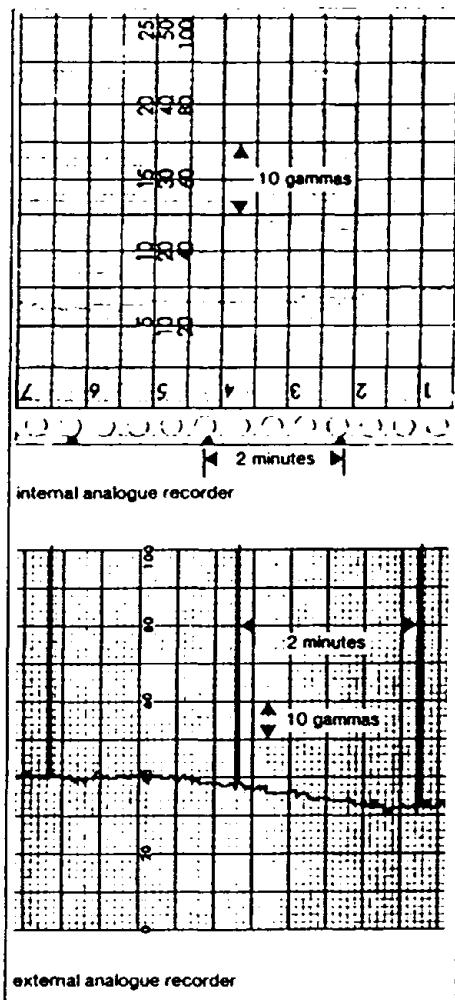
Indicator light warning of excessive gradient, ambient noise or electronic failure.

Rugged, all metal housing for rough field use.

MP-2 magnetometer plus optional accessories kit can be used as a field portable survey unit.



Technical Description of MBS-2 Total Field Magnetic Base Station



Resolution	1 gamma
Total Field Accuracy	± 1 gamma over full operating range
Operating Range	20,000 to 100,000 gammas in 25 overlapping switch selectable steps
Gradient Tolerance	Up to 5000 gammas/metre
Sensor	Omnidirectional, shielded, noise-cancelling, dual coil
Sampling Rate	Internal control switch selectable every 2, 4, 10, 30 seconds or 1, 2, 10 minutes
	External control manual command or by external clock at any rate longer than 2 seconds. For external trigger, a positive transition from 0 to +4V or greater initiates one reading
Clock Accuracy and Stability	± 10 ppm over full temperature range.
Visual Outputs	5 digit light emitting diode numerical display lasting 0.1 seconds in automatic recycle mode and 1.7 seconds in manual mode.
	Internal strip chart recorder with 65 mm chart width and 100 or 600 mm/hr chart speed. Inkless recording. Switch selectable at 10, 100 or 1000 gammas full scale.
External Outputs	5 digit, 1-2-4-8 BCD DTL, TTL compatible (2 loads) with 0.5 msec. SV pulse for synchronization of MBS-2 and external recorder
	Analogue recorder output of 1V at 1 mA max. Switch selectable for 10, 100 or 1000 gammas full scale.
Time Marker	A 1.5 second pulse every 10 minutes generates a time mark on the internal or on external analogue recorders.
	For an external analogue recorder, a switch to ground is provided (NPN transistor, 40V max., 250 mA max.). No side pen is required for continuously writing recorders as the pen returns to zero at every event mark.
	Intervals of less than 10 minutes are optional
Sensor Cable	50 m length is standard
Power Requirement	The internal batteries of the MP-2, (8 "D" cells) are used to power all functions of the MBS-2. This power source lasts approximately 80 hours, at 25°C and a once per minute sampling interval.
	An external 10 to 32V DC supply may alternatively be used.
	Current drain is approximately 0.9A during polarize time and 35 mA during standby, depending upon supply voltage.
Battery Test	Digital readout of normalized internal battery voltage activated by touching switch
Operating Temperature Range	Console: 0 to 50°C Sensor: 35 to 50°C
Dimensions	Console: 140 mm x 310 mm x 390 mm Sensor: 80 mm diameter x 150 mm length Tripod: 130 mm extended length
Weights	Console: 7.7 kg Sensor with cable: 5.5 kg Tripod: 1.5 kg
Shipping Weight	Approximately 18 kg
Optional Accessories	Sensor monopod, harness, sensor backpack and 2 m sensor cable allow field portable survey use of MP-2 magnetometer. See MP-2 specification sheet.

Complete Geophysical Instrumentation and Services

Scintrex Limited
222 Snidercroft Road
Concord (Toronto) Ontario
Canada L4K 1B5
Tel: (416) 669-2280
Telex: 06-964570
Cable: Scintrex Toronto

GEONICS LIMITED
VLF EM 16

Source of Primary Field: VLF transmitting stations

Transmitting Stations Used: Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.

Operating Frequency Range: About 15-25 Hz

Parameters Measured: (1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid).
(2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).

Method of Reading: In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.

Scale Range: In-phase $\pm 150\%$; quadrature $\pm 40\%$

Readability: $\pm 1\%$

Reading Time: 10-40 seconds depending on signal strength

Operating Temperature Range: -40 to 50° C.

Operating controls: ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature, dial $\pm 40\%$, inclinometer dial $\pm 150\%$

Power Supply: 6 size AA (penlight) alkaline cells. Life about 200 hours


Dimensions: 42 x 14 x 9 cm (16 x 5.5 x 3.5 in)


Weight: 1.6 kg (3.5 lbs)

Instrument Supplied With: Monotonic speaker, carrying case, manual of operation, 3 station selector plug-in tuning units (additional frequencies are optional), set of batteries


Shipping Weight: 4.5 kg (10 lbs.)

Name and Address of Manufacturer: Geonics Limited
1745 Meyerside Drive/Unit 8
Mississauga, Ontario
L5T 1C5






VANCOUVER	MAP SCALE	No.	Date	MADE BY	DESCRIPTION	REVISIONS	JAMBOREE PROJECT			
							M 50	0	50	100
NTS	1	2	3	4	5	MAP INDEX NUMBER	SCALE	DRAWING NUMBER		
JULY 1987						E & B Explorations Inc.	I: 2500	J - 87 - 6		
OFFICE	DEPARTMENT									



SECTION READ FROM NORTHEAST TO SOUTHWEST VLF TRANSMITTER ANAPOLIS MARYLAND		MAP SCALE METERS M. 50 0 50 100 150 M NTS _____	No. _____ Date _____ MADE BY _____ DESCRIPTION _____ 1 2 3 4 5 REVISIONS DATE DRAWN BY CHECKED APPROVED JULY 1987	E & B Explorations Inc. OFFICE _____ DEPARTMENT _____	JAMBBOREE PROJECT "EM-16" VLF - EM PROFILES MAP INDEX NUMBER _____ SCALE _____ DRAWING NUMBER _____ I: 2500 J - 87-7
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WILSON INC.

VLF TRANSMITTER: ANNAPOLIS, MARYLAND

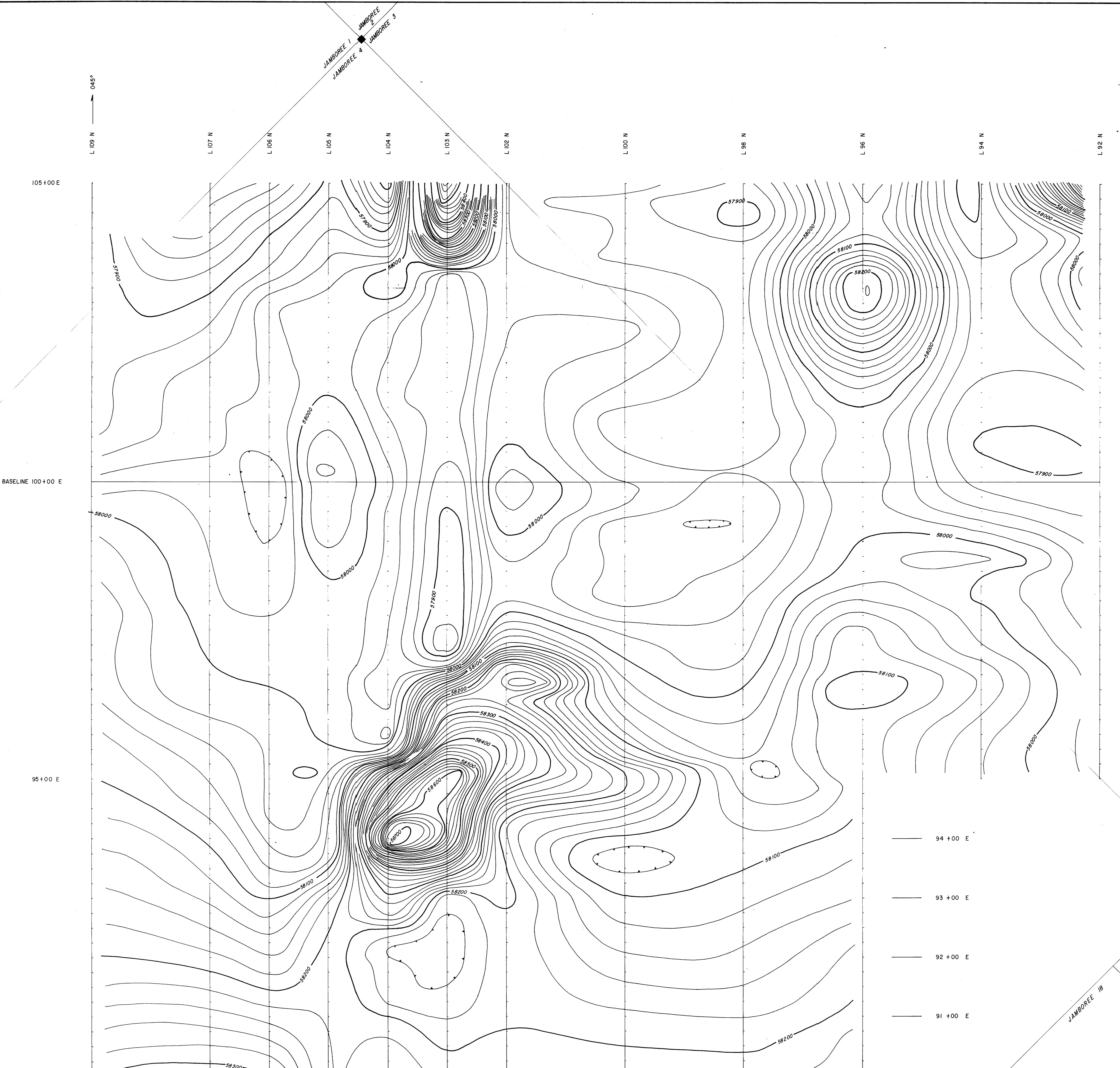
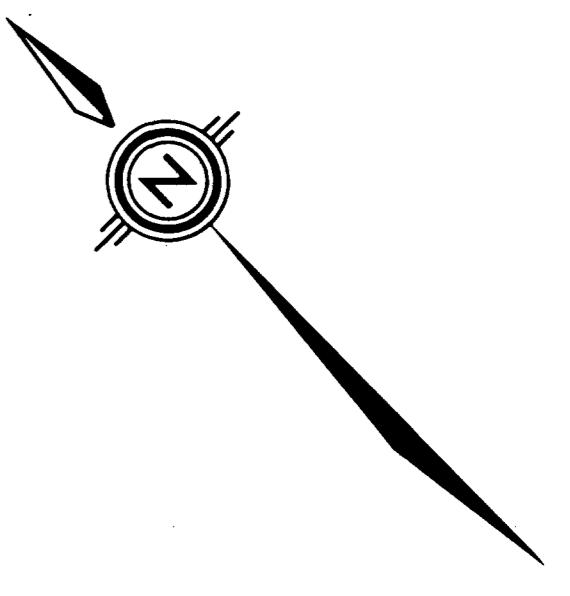
MAP SCALE
METERS
0 50 100 150 M.
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NTS _____

No. Date MADE BY DESCRIPTION
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DATE DRAWN BY CHECKED APPROVED
JULY 1987

E & B Explorations Inc.

OFFICE DEPARTMENT

JAMBOREE PROJECT
VLF-EM FRASER FILTER CONTOURS
MAP INDEX NUMBER SCALE DRAWING NUMBER
I. 2500 J-87-8



LEGEND

100 GAMMA CONTOURS
20 GAMMA CONTOURS
58100 MAGNETIC TOTAL FIELD VALUE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,233

MAP SCALE
METERS
0 50 100 150 M.
REVISIONS
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NTS _____

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
DATE DRAWN BY CHECKED APPROVED

JULY 1987



E & B Explorations Inc.

JAMBOREE PROJECT		
TOTAL FIELD MAGNETIC CONTOURS		
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
I-2500	I-2500	J-87-9



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,233

VALUES IN GAMMAS

MAP SCALE	No.	Date	MADE BY	DESCRIPTION		E & B Explorations Inc.	JAMBOREE PROJECT				
				METERS	FEET		OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
M. 50	1			0	50 100 150 M.					1: 2500	J - 87 - 10
	2										
	3										
	4										
NTS		JULY 1987		DATE DRAWN BY	CHECKED APPROVED						

