

85-640-13870

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

REPORT ON THE HILLSIDE EXT. 2, MINTO FR.,

PRINCE, FRANK FR., HAGMO, EX FR. & OM FR.

MINERAL CLAIMS, (A PART OF THE MINTO MINE PROPERTY)

CARPENTER LAKE AREA, LILLOOET MINING DIVISION, BRITISH COLUMBIA

NTS: 92J/15E

LATITUDE: 50° 53'N LONGITUDE: 122° 45'W

OWNER/OPERATOR: AVINO MINES AND RESOURCES LTD.

CONSULTANT: MONTGOMERY CONSULTANTS LTD.

AUTHORS: D.F. Symonds, B.Sc.

J.E. Robins, B.Sc.

DATE SUBMITTED: SEPTEMBER 20, 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,870

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SUMMARY AND CONCLUSIONS	2
3.0	LOCATION, ACCESS AND HISTORY OF CLAIMS	3
4.0	CLAIM INFORMATION	5
5.0	GEOLOGY	7
5.10	Regional Geology	7
5.20	Local Geology	7
6.0	GEOCHEMISTRY	11
7.0	VLF ELECTROMAGNETIC SURVEY	29
8.0	RECOMMENDATIONS	30
9.0	ITEMIZED COST STATEMENT	31
10.0	CERTIFICATES	32

APPENDICES

I.	GEOCHEMICAL AND ASSAY DATA SHEETS	34
----	-----------------------------------	----

LIST OF FIGURES

3-1	Location Map	4
4-1	Claim Map	6
5-1	Regional Geology	8
5-2	Local Geology	Pocket
6-1A	Histogram (Au)	17
6-1B	Cumulative Distribution Curve (Au)	18
6-1C	Geochemical Plan (Au)	Pocket
6-2A	Histogram (Ag)	19
6-2B	Cumulative Distribution Curve (Ag)	20
6-2C	Geochemical Plan (Ag)	Pocket
6-3A	Histogram (Pb)	21
6-3B	Cumulative Distribution Curve (Pb)	22
6-3C	Geochemical Plan (Pb)	Pocket
6-4A	Histogram (Zn)	23
6-4B	Cumulative Distribution Curve (Zn)	24
6-4C	Geochemical Plan (Zn)	Pocket
6-5A	Histogram (As)	25
6-5B	Cumulative Distribution Curve (As)	26
6-5C	Geochemical Plan (As)	Pocket
6-6A	Histogram (Sb)	27
6-6B	Cumulative Distribution Curve (Sb)	28
6-6C	Geochemical Plan (Sb)	Pocket
7-1	VLF-EM Profiles (Seattle Transmitter)	Pocket
7-2	VLF-EM Profiles (Hawaii Transmitter)	Pocket

1.0 INTRODUCTION

During the period of July 16, 1985 to August 3, 1985 geological, geochemical and geophysical (VLF-EM) surveys were carried out on the Hillside Ext. 2, Minto Fr., Prince, Frank Fr., Hagmo, Ex. Fr. and Om Fr. mineral claims (a part of the Minto Mine property) by Montgomery Consultants Ltd. on behalf of Avino Mines & Resources Ltd. of Vancouver, B.C. This report summarizes the field work carried out on the above-mentioned claims as part of a larger survey and includes an itemized cost statement for the work which was carried out. Recommendations are made for further work on the claims.

2.0 SUMMARY AND CONCLUSIONS

Avino Mines & Resources Ltd., of Vancouver, B.C. holds title to eight crown-granted mineral claims and eight reverted crown grants on the north side of Carpenter Lake, approximately 9.0 kilometers northeast of Gold Bridge, B.C. in the Lillooet Mining Division. This property is known as the Minto Mine property and has reported production of 87,100 tons of ore grading 0.202 oz./ton gold and 0.581 oz./ton silver during the 1930's.

The Minto Mine property is underlain by greenstone and chert of the Bridge River (Fergusson) Series. Intruding these rocks are a number of Upper Triassic (?) feldspathic dikes or sills which appear to be grossly conformable to the Bridge River units. A thick (one meter) layer of unconsolidated Cenozoic ash and pumice covers most of the claim area. Mineralization in the area is typified by gold-bearing sulfide replacements which occur in shear zones near porphyry dikes.

Several small shear zones sampled on the property returned significant gold assays, with further enrichment in associated gossanous material.

A systematic geochemical survey over the property resulted in the detection of a significant gold anomaly (9 samples greater than 120 p.p.b.) located around line 600N from the baseline to 300E.

A VLF-EM survey carried out over the property detected a high (27%) field strength at 650N on the baseline (Hawaii transmitter). This is within 70 meters of a mineralized shear observed at sample location 11498 (0.028 oz./ton gold).

Further geochemical rock and soil sampling and geological mapping is recommended on the geochemical gold anomaly as well as on each shear zone which has a significant gold assay. The remainder of the Phase I program as recommended by Mr. B.J. Cooke in his June 17, 1985 report

entitled "Report on the Minto Property Near Gold Bridge, B.C." should be carried out.

3.0 LOCATION, ACCESS & HISTORY OF CLAIMS

The claims are located approximately 9.0 kilometers northeast of the town of Gold Bridge, British Columbia straddling and on the north side of Carpenter Lake (see Figure 3-1).

Access to the claims is facilitated by an all-weather gravel road joining Gold Bridge and Lillooet, B.C.

The claims form part of the Minto Mine property, owned and operated by Avino Mines & Resources Ltd. of Vancouver, B.C. This property was first staked in the early 1900's, and development work, including the driving of 4 adits (Warren, Hagmo, Main, River) was carried out up to 1932. The property was mined from 1933 to 1940 with a reported total production of 87,100 tons of ore grading 0.202 oz./ton gold and 0.581 oz./ton silver. Further exploration and development work was carried on in the 1940's, including surface and underground diamond drilling, shaft sinking and drifting. The property has been dormant since that time.



FIGURE 3-1

AVINO MINES & RES. LTD.

MINTO MINE PROPERTY

PROJECT # 85AV1

LOCATION MAP

SCALE 1:1000000.

0 20. 40. 60. 80. KM.

MONTGOMERY CONSULTANTS LIMITED

SEPTEMBER 20, 1985



4.0 CLAIM INFORMATION

The Minto Mine property consists of eight crown grants and eight reverted crown grants, located in the Lillooet Mining Division (see Figure 4-1). A summary of these claims is shown in the following table:

CLAIM NAME	RECORD #	LOT #	EXPIRY DATE
OMEGA		5600	31 Dec. 85
OMEGA 1		5601	31 Dec. 85
OMEGA 2		5602	31 Dec. 85
OMEGA 3		5603	31 Dec. 85
OMEGA 4		5604	31 Dec. 85
ALPH FR.		5719	31 Dec. 85
JACK FR.		7614	31 Dec. 85
GOLDEN GIRL		3660	31 Dec. 85
HILLSIDE EXT.1	2933	3661	26 Jul. 86
HILLSIDE EXT.2	2967	3662	* 27 Aug. 88
MINTO FR.	2968	3664	* 27 Aug. 88
PRINCE	2969	3665	* 27 Aug. 88
FRANK FR.	2970	3666	* 27 Aug. 88
HAGMO	2971	3667	* 27 Aug. 88
EX FR.	2972	3670	* 27 Aug. 88
OM FR.	2973	5718	* 27 Aug. 88

*Pending acceptance of this report.

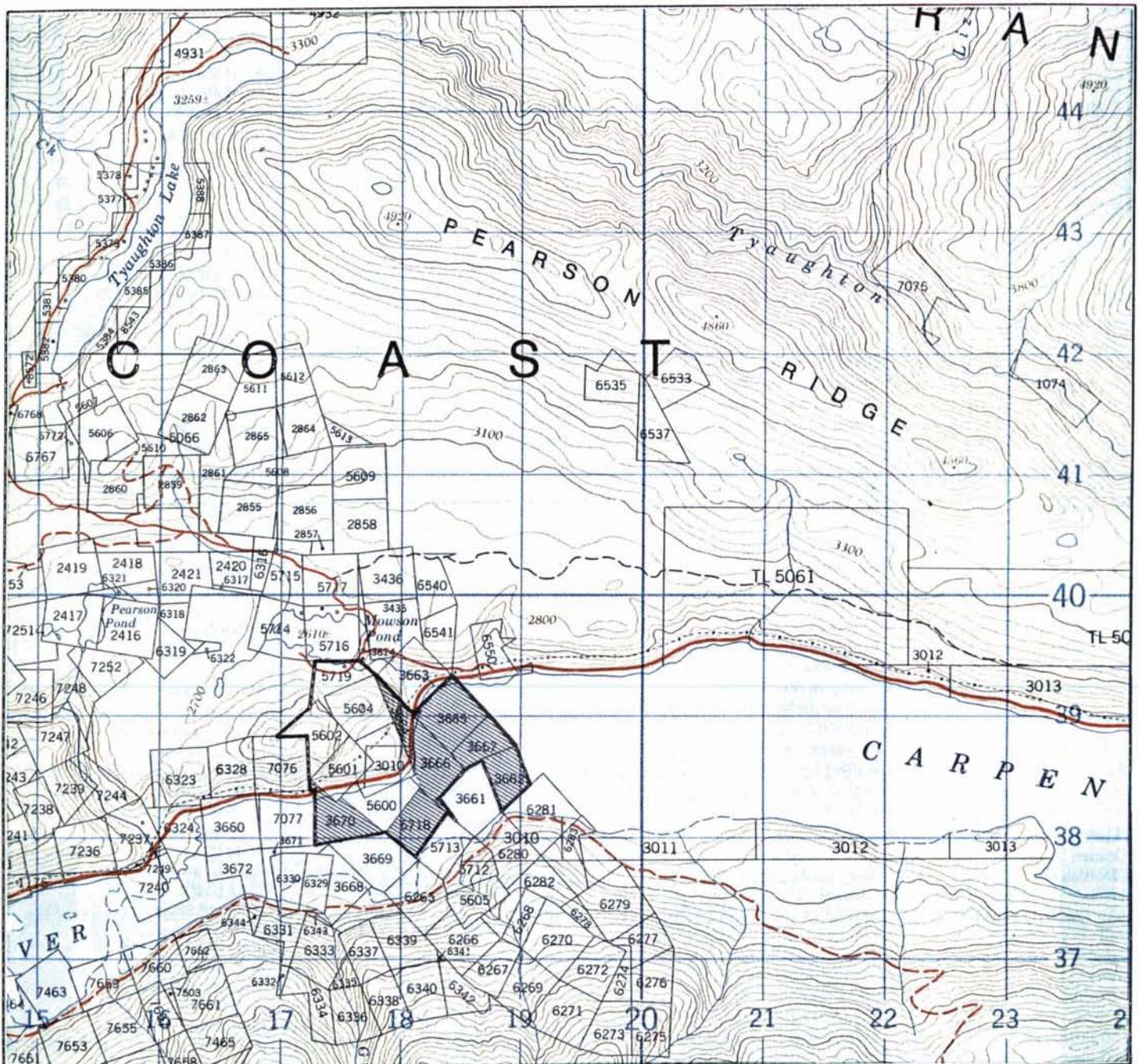


FIGURE 4-1

AVINO MINES & RES. LTD.

MINTO MINE PROPERTY

PROJECT # 85AV1

CLAIM MAP

SCALE 1: 50000.



MONTGOMERY CONSULTANTS LIMITED

SEPTEMBER 20, 1985



5.0 GEOLOGY

5.10 Regional Geology

The geology of the Pemberton (92J) map-area has been compiled by Woodsworth (1977) on open file #482 (see Figure 5-1). The claim area is shown to be underlain by (Unit 3) Bridge River (Fergusson) Group greenstone, basalt, chert, argillite, phyllite, minor limestone, serpentine and serpentized peridotite.

Mineralization in the area is typified by gold-bearing sulfide replacements which occur in shear zones in basalts and cherts near porphyry dikes.

5.20 Local Geology

The Minto Mine property is underlain by steeply-dipping, north-trending volcanic and sediments of the Triassic Bridge River (Fergusson) Group. Intruding these rocks are a number of Upper Triassic (?) feldspathic dikes or sills which appear to be grossly conformable to the Bridge River units. Most recently, the area has been covered with a thick (one meter) layer of unconsolidated Cenozoic pyroclastic material, mainly ash and pumice (see Figure 5-2).

The Triassic Bridge River volcanic rocks consist mainly of fine-grained, massive greenstones exhibiting areas of intense silicification and carbonatization. They are generally light to dark green in colour, with some specimens displaying a distinct hematitic surface staining. These rocks tend to dominate the western portion of the map-area, whereas to the east, they appear as narrow, discontinuous layers within the sediments. These may, in fact, represent dikes or sills of related composition.

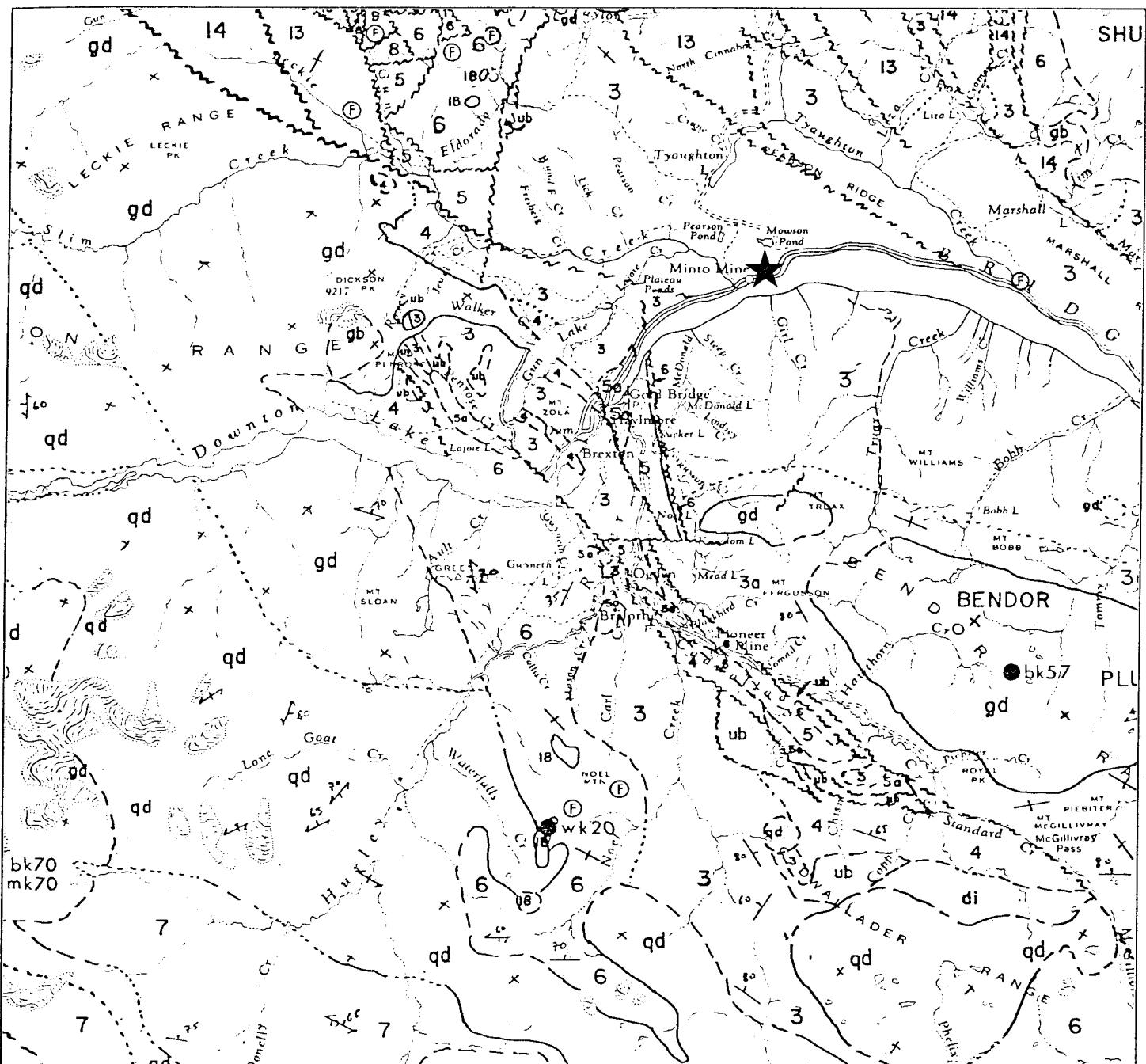


FIGURE 5-1

AVINO MINES & RES. LTD.

MINTO MINE PROPERTY

PROJECT # 85AV1

REGIONAL GEOLOGY

A scale bar at the top of the map, labeled "SCALE 1: 2500000." It features a horizontal line with tick marks and numerical labels: 0, 5., 10., 15., and 20. KM.

MONTGOMERY CONSULTANTS LIMITED

SEPTEMBER 20, 1985



The Bridge River sediments consists mainly of banded cherts with minor argillite. These rocks are conformable with the greenstones, strike generally N-S and dip steeply to the west. They are generally grey in colour and consist of parallel 1 to 10 cm. bands of chert with occassional argillite interlayered between. Local deformation has, in many places, fractured the chert bands creating large areas of broken chert exhibiting little or no characteristic structure. These brecciated zones consist mainly of cherty fragments ranging in size from a few mm. to many cm.

Intruding the Bridge River volcanics and sediments are a number of feldspathic dikes or sills, possibly related to the Upper Triassic Bralorne Intrusions seen regionally. These intrusions appear generally as light grey-green unaltered feldspathic porphyry to micro porphyry. In some areas the rock is almost aphanitic in appearance; however the composition appears to remain unaltered. These differences in grain size appear to be related to both the size of the intrusive body and the proximity to the contact with the country rock. Feldspar phenocrysts are the most abundant; however in some areas small quartz and biotite phenocrysts are also visible. The intrusions are often associated with the volcanic-sedimentary contacts (Minto dike) as well as zones of shearing.

Mineralization in the Minto Mine area appears to be directly related to both the presence of shearing and the emplacement of the feldspathic dikes. Most of the shear zones observed display some evidence of mineralization, either through the presence of visible sulfides or by a distinct gossanous staining. Mineralization of the feldspathic dykes is concentrated near shears and contacts, although minor to moderate amounts of disseminated pyrite and pyrrhotite are common throughout.

Due to the relatively undeformed nature of the dikes in and around the shear zones it would appear that they post-date the shearing. As such, they may have been responsible for remobilization of ore-forming

fluids, accounting for the presence of "ore shoots" near the Minto dyke and the old workings. Mineralization in the shears is often associated with the presence of small quartz-carbonate veins and replacements containing pyrite, phrrhotite, arsenophrite with minor galena and sphalerite.

A total of 27 rock samples were taken on the property and assayed for gold. Sample locations are shown on Figure 5-2 and results are shown below and in Appendix I:

SAMPLE #	DESCRIPTION	GOLD ASSAY(oz/ton)
11498	small shear zone	0.028
11499	green feldspar porphyry	0.001
11500	quartz stringer zone	0.001
11501	feldspar porphyry	0.001
11502	mineralized chert	0.018
11503	grab sample from dump	0.712
11504	from stope (in place)	0.196
11505	shear zone west of stope	0.012
11506	dike	0.008
11507	mineralized greenstone	0.005
11508	mineralized green feldspar porphyry at contact of chert with dacite	0.006
11509	dike	0.003
11510	green feldspar porphyry	0.002
11511	gossan associated with shear	0.566
11512	gossanous shear above adit portal	0.225
11513	sheared chert	0.011
11514	sheared iron-stained zone in chert	0.006
11515	across 1 meter shear in chert	0.042
11516	gossan associated with shear	0.026
11517	green feldspar porphyry	0.011
11518	quartz vein in purple chert	0.003
11519	mineralized chert	0.001
11520	shear zone	0.005
11521	shear zone in broken chert	0.007
11522	"blue vein"	0.010
11523	"white vein"	0.001
11524	gossanous zone; leached quartz-carb. veinlets	0.319

6.0 GEOCHEMISTRY

A total of 161 geochemical soil samples were taken on a flagged survey grid laid out on the property (100 meter line spacing/50 meter sample spacing). Samples were taken from the "B" horizon below the ash/pumice layer whenever possible or from the "C" horizon when "B" horizon material was not present. Average sampling depth was approximately 75 cm. Samples were dug with a long-handled shovel, placed in waterproof kraft bags and sent to Min-en Laboratories Ltd. of North Vancouver, B.C. for analysis. The samples were analysed for gold using aqua regia digestion and atomic absorption, and for silver, lead, zinc, arsenic and antimony using induction coupled plasma (ICP) methods.

Statistical analysis of the data, including calculation of mean, standard deviation, coefficient of variation, correlation matrix, significant correlation of pairs, histograms and cumulative distribution curves was carried out. Analysis was carried out on the arithmetic data or the log-transform of the data depending upon the statistical distribution of the data exhibited by each individual element.

Gold values appear to follow a skewed lognormal distribution with three populations. The upper population is greater than 120 p.p.b. A significant (9 samples greater than 120 p.p.b) gold anomaly is located around line 600N from the baseline to 300E (see Figures 6-1A, 6-1B, 6-1C).

Silver values appear to follow an arithmetic distribution with two populations. The upper population is greater than 2.1 p.p.m. A silver anomaly (4 samples greater than 2.1 p.p.m.) stretches between 150W and 250W on line 600N to the 250W and 350W on line 500N (see Figures 6-2A, 6-2B, 6-2C).

Lead values appear to follow a lognormal distribution with three populations. The upper population is greater than 65 p.p.m. Only

MINTO MINE PROPERTY

GEOCHEMICAL SURVEY

SIMPLE STATISTICS

Element	Unit	n	Mean	Median	Standard Deviation	Lowest Value	Highest Value	Coef. of Var.
AG	ppm	161	1.43	1.40	.62	.30	4.40	.44
AS	ppm	161	82.9	24.0	263.7	1.0	2980.0	3.18
PB	ppm	161	31.7	30.0	18.3	4.0	150.0	.58
SB	ppm	161	13.8	13.0	7.4	1.0	55.0	.54
ZN	ppm	161	211.2	145.0	207.4	14.0	1680.0	.98
AU	ppb	161	31.9	5.0	61.0	3.0	410.0	1.91

NOTE - Coefficient of Variation = Standard Deviation / Mean

MINTO MINE PROPERTY

GEOCHEMICAL SURVEY

SIMPLE STATISTICS

LOG (Base 10) Transformed

Element	Unit	n	Mean	Median	Standard Deviation	Lowest Value	Highest Value	Coef. of Var.
AG	ppm	161	.1141	.1461	.1969	-.5229	.6435	1.73
AS	ppm	161	1.2216	1.3802	.8735	.0000	3.4742	.72
PB	ppm	161	1.4378	1.4771	.2470	.6021	2.1761	.17
SB	ppm	161	1.0638	1.1139	.2987	.0000	1.7404	.28
ZN	ppm	161	2.1883	2.1614	.3391	1.1461	3.2253	.15
AU	ppb	161	1.0862	.6990	.5300	.4771	2.6128	.49

NOTE - Coefficient of Variation = Standard Deviation / Mean

MINTO MINE PROPERTY

GEOCHEMICAL SURVEY

CORRELATION MATRIX

	AG	AS	PB	SB	ZN	AU
--	----	----	----	----	----	----

AG	1.0000					
AS	.2773	1.0000				
PB	.4302	.7144	1.0000			
SB	.6504	.6504	.7725	1.0000		
ZN	.3157	.6366	.5954	.4821	1.0000	
AU	.1126	.5440	.3411	.3398	.4241	1.0000

161 SAMPLE PAIRS ARE COMPLETE

SIGNIFICANT CORRELATION PAIRS FOR R(.01, 160) = .186

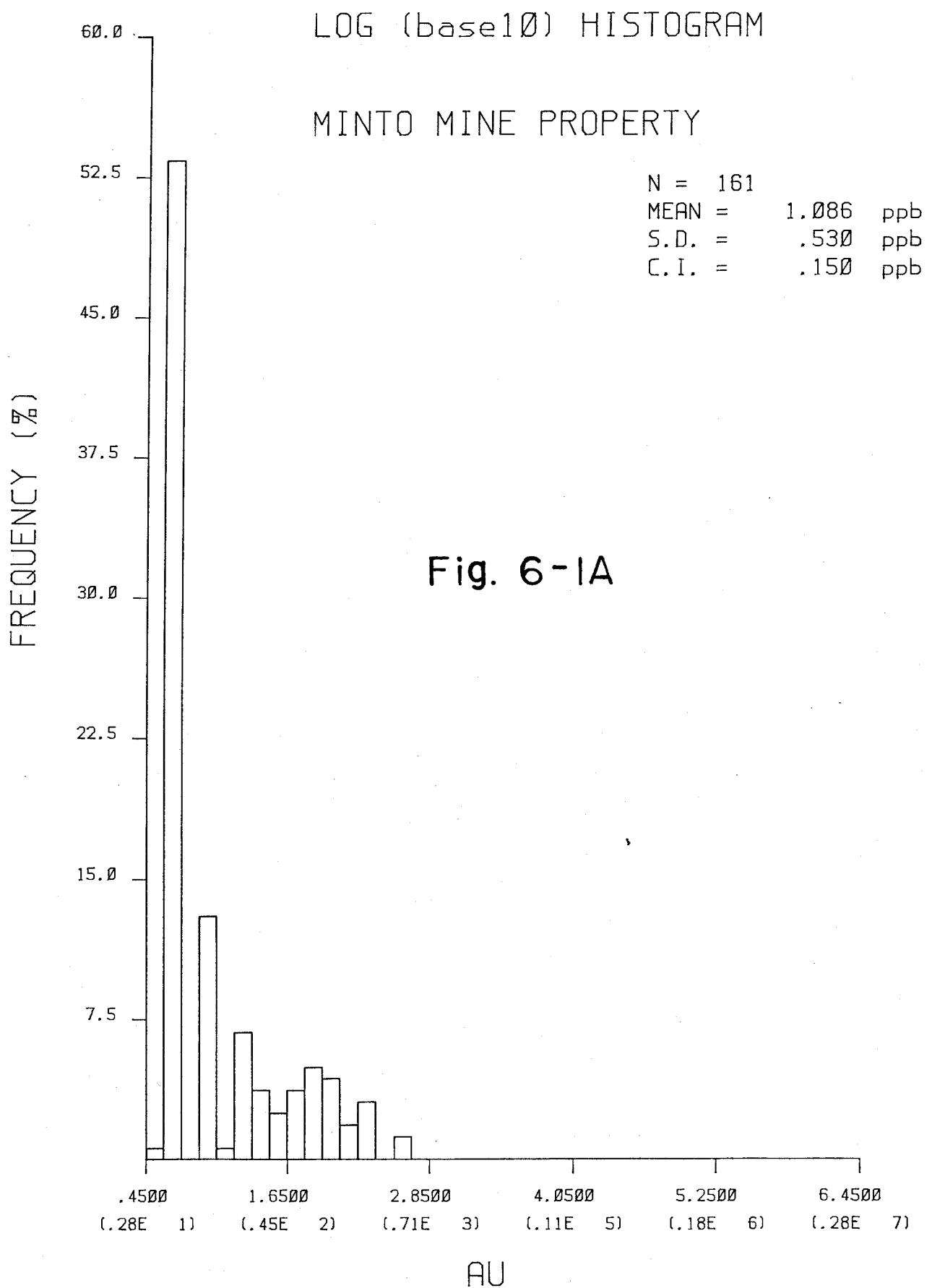
CORRELATION between AS and AG = .2773
CORRELATION between PB and AG = .4302
CORRELATION between PB and AS = .7144
CORRELATION between SB and AG = .6504
CORRELATION between SB and AS = .6504
CORRELATION between SB and PB = .7725
CORRELATION between ZN and AG = .3157
CORRELATION between ZN and AS = .6366
CORRELATION between ZN and PB = .5954
CORRELATION between ZN and SB = .4821
CORRELATION between AU and AS = .5440
CORRELATION between AU and PB = .3411
CORRELATION between AU and SB = .3398
CORRELATION between AU and ZN = .4241

scattered anomalous values in lead are seen (4 samples in total) (see Figures 6-3A, 6-3B, 6-3C).

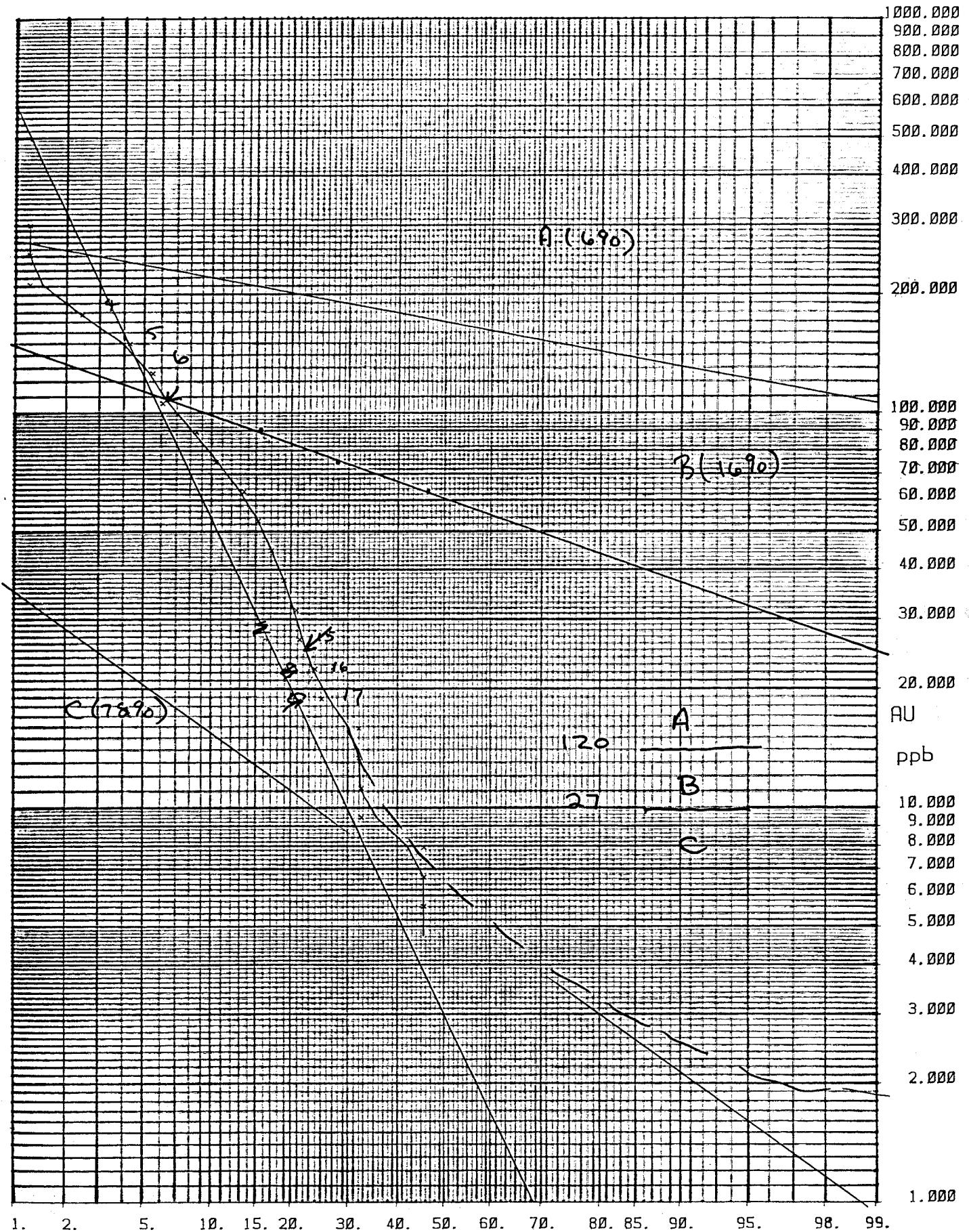
Zinc values appear to follow a lognormal distribution with three populations. The upper population is greater than 580 p.p.m. A small (3 samples greater than 580 p.p.m.) zinc anomaly is located on line 900N from 50W to 100E (see Figures 6-4A, 6-4B, 6-4C).

Arsenic values appear to follow a lognormal distribution with two populations. The anomalous populations is greater than 500 p.p.m. The 3 samples which are greater than 500 p.p.m. are scattered over the survey grid (see Figures 6-5A, 6-5B, 6-5C).

Antimony values appear to follow an arithmetic distribution with three populations. A significant (11 samples greater than 20 p.p.m.) antimony anomaly is located between lines 500N and 600N from approximately 150 meters west of the baseline to the west edge of the survey grid (see Figures 6-6A, 6-6B, 6-6C).

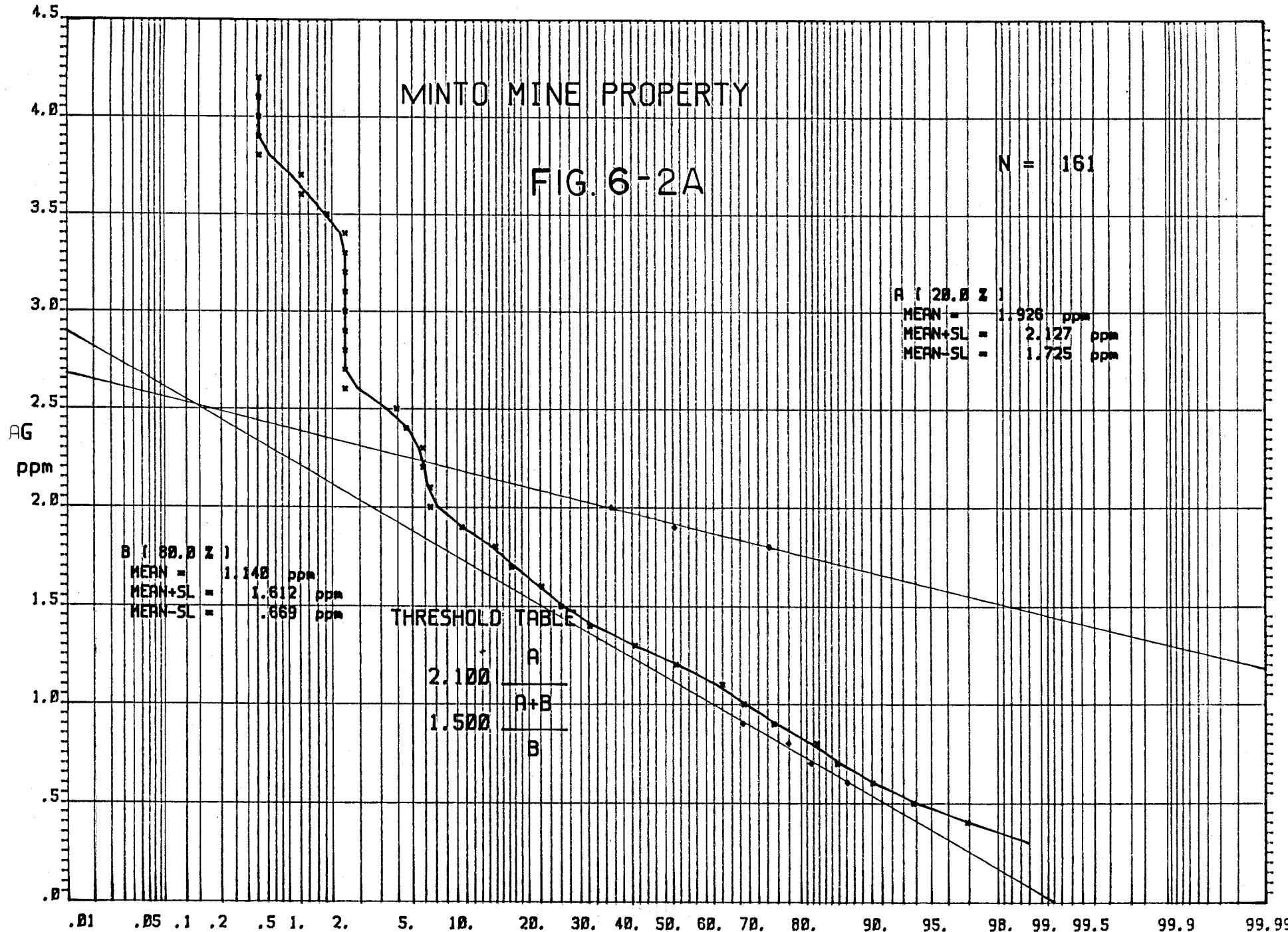


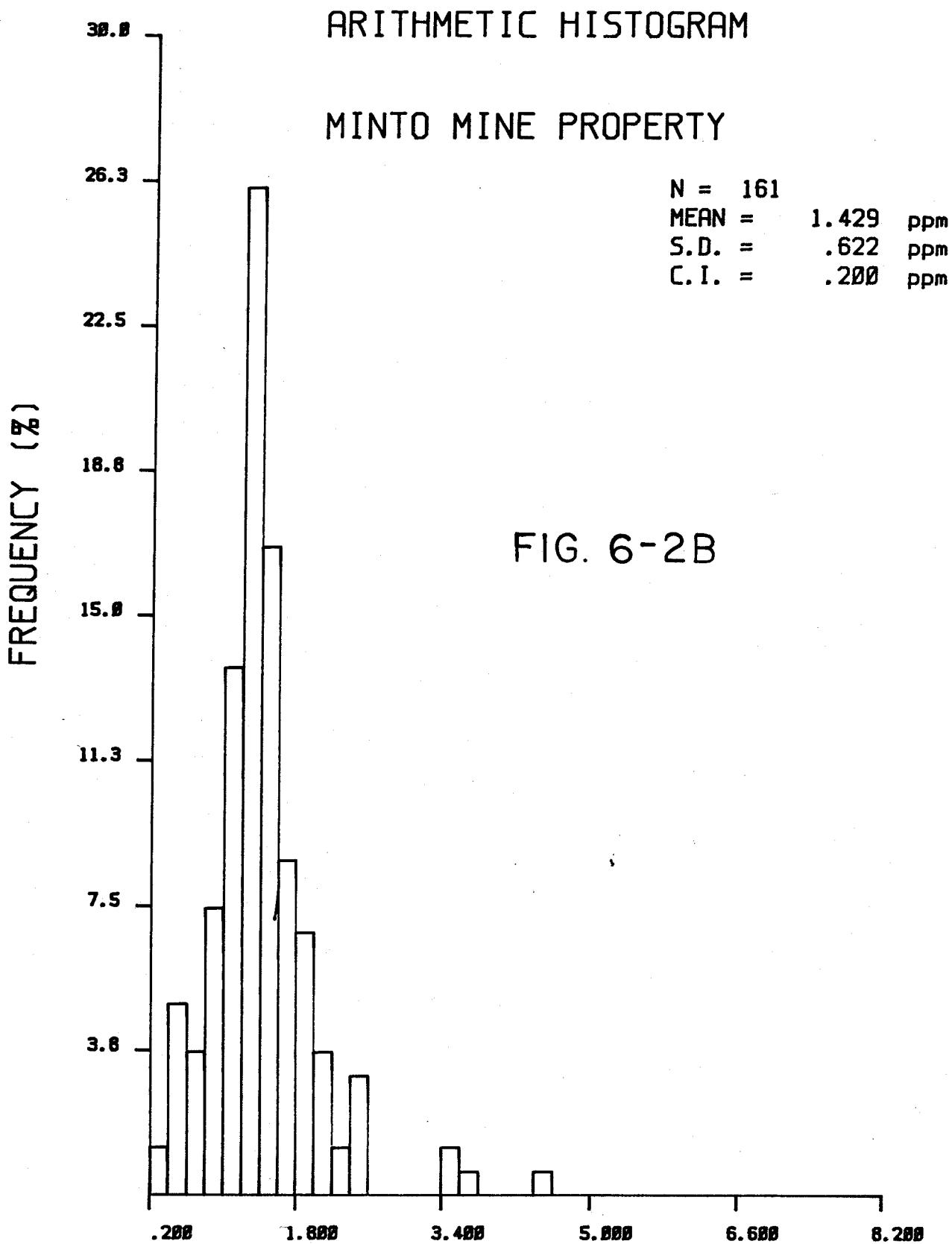
AU



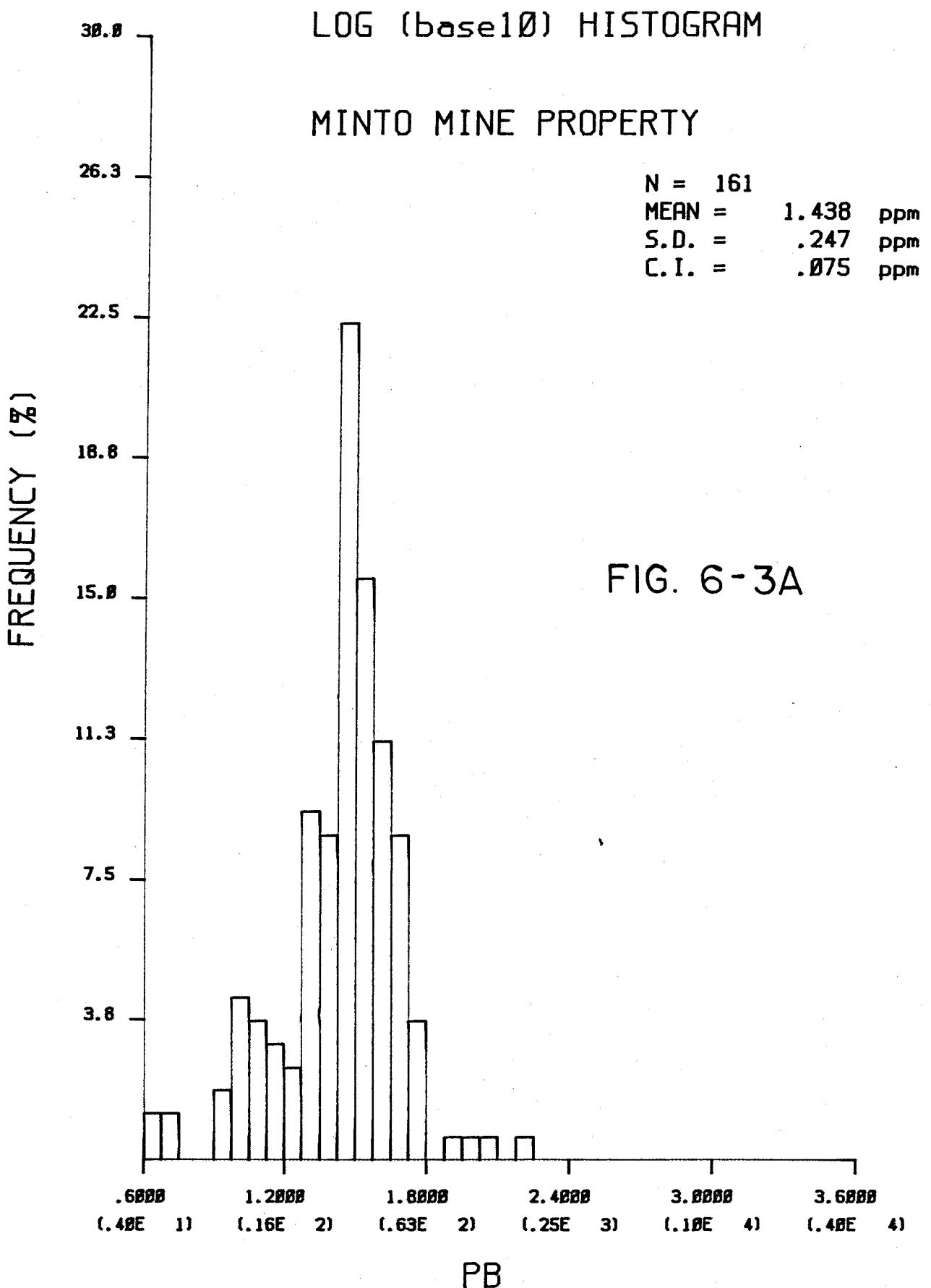
MINTO MINE PROPERTY

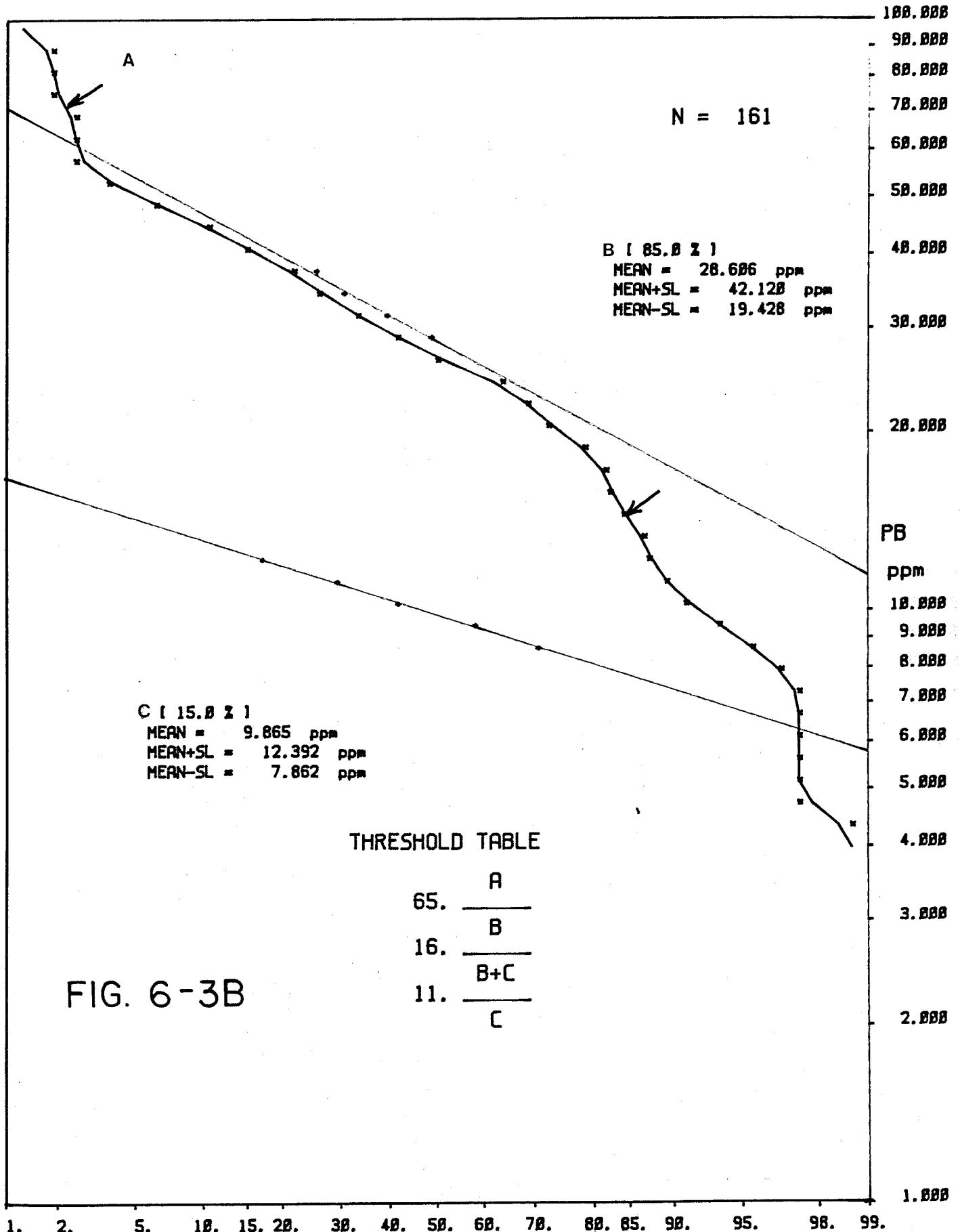
Fig. 6-1B



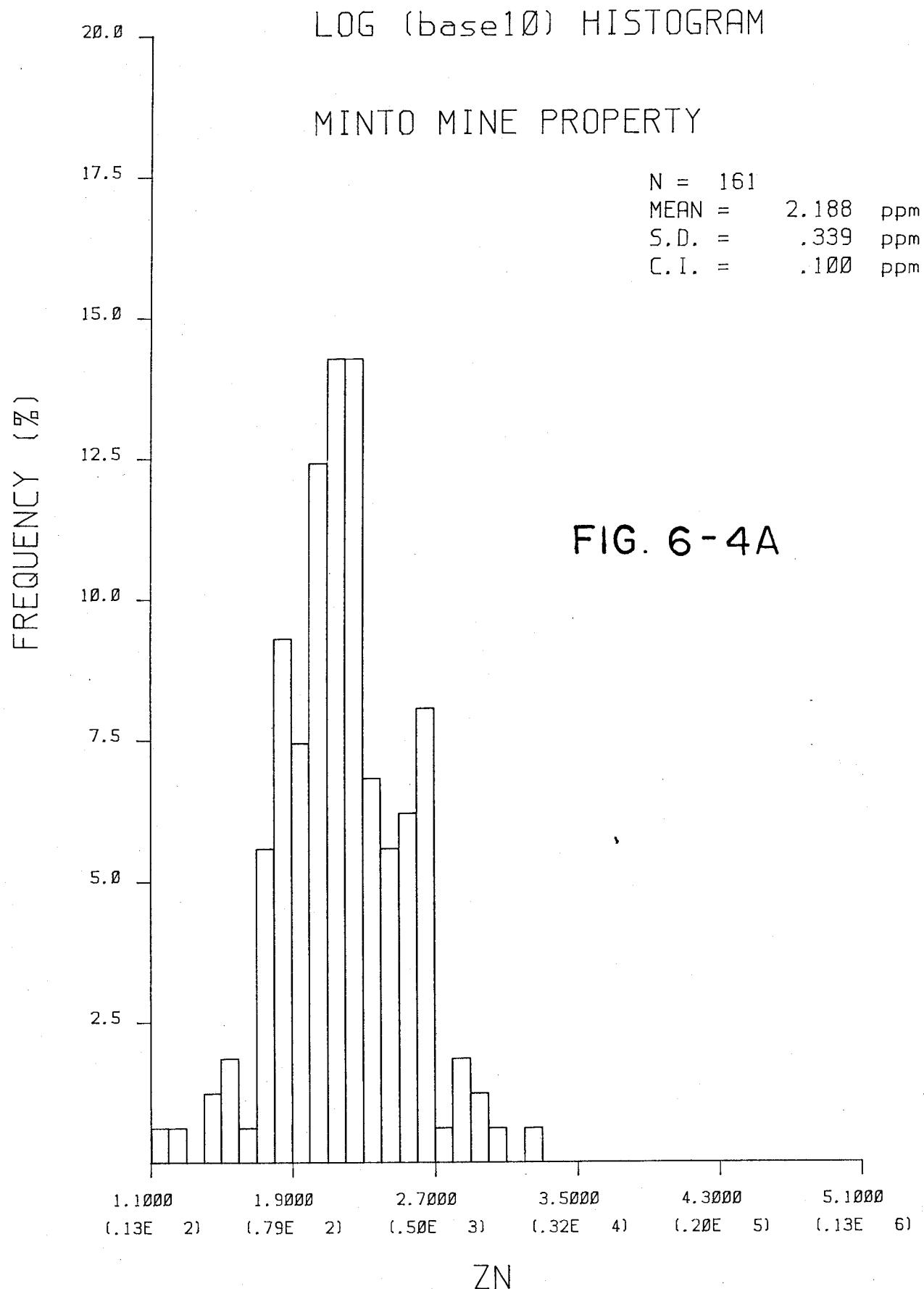


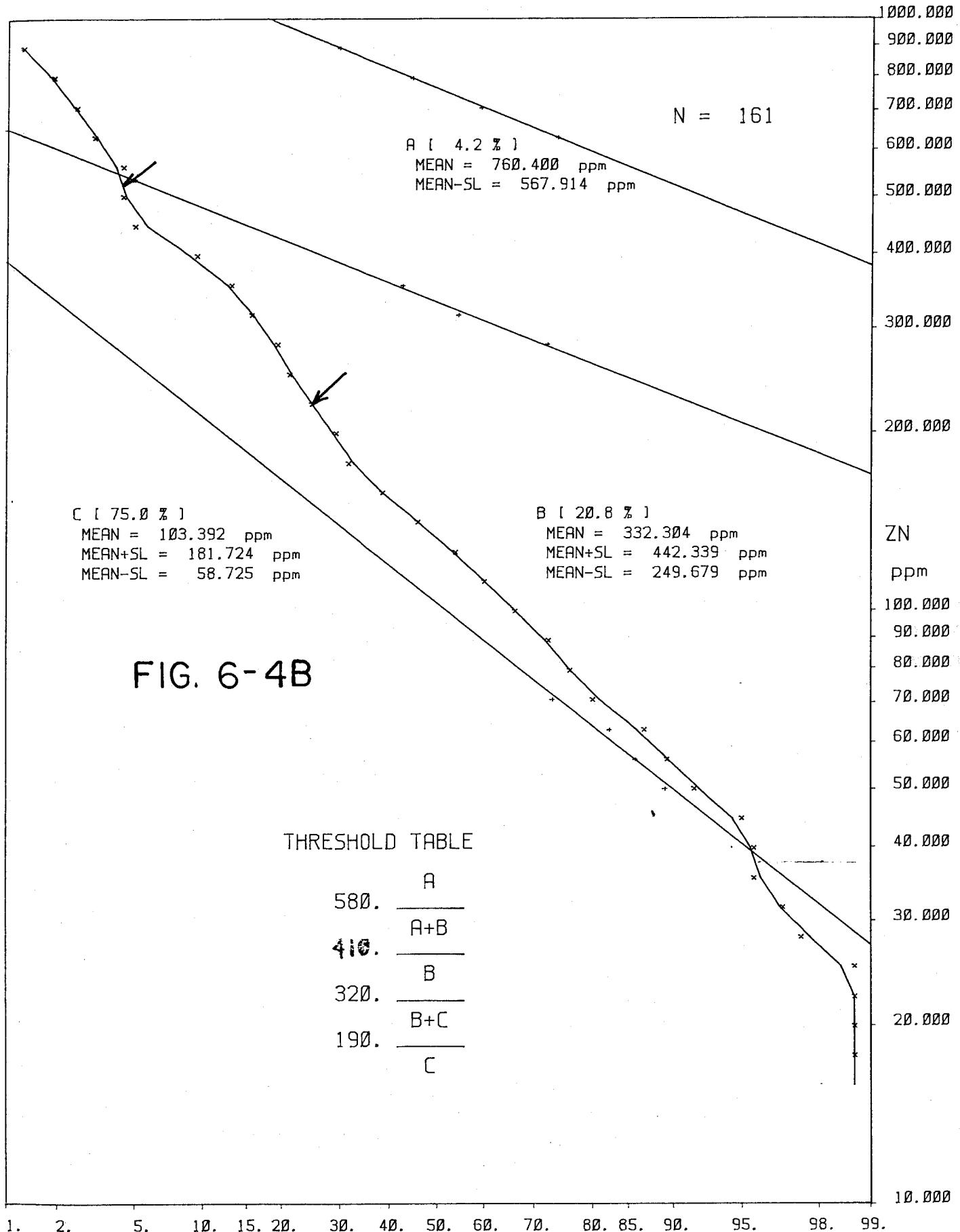
AG



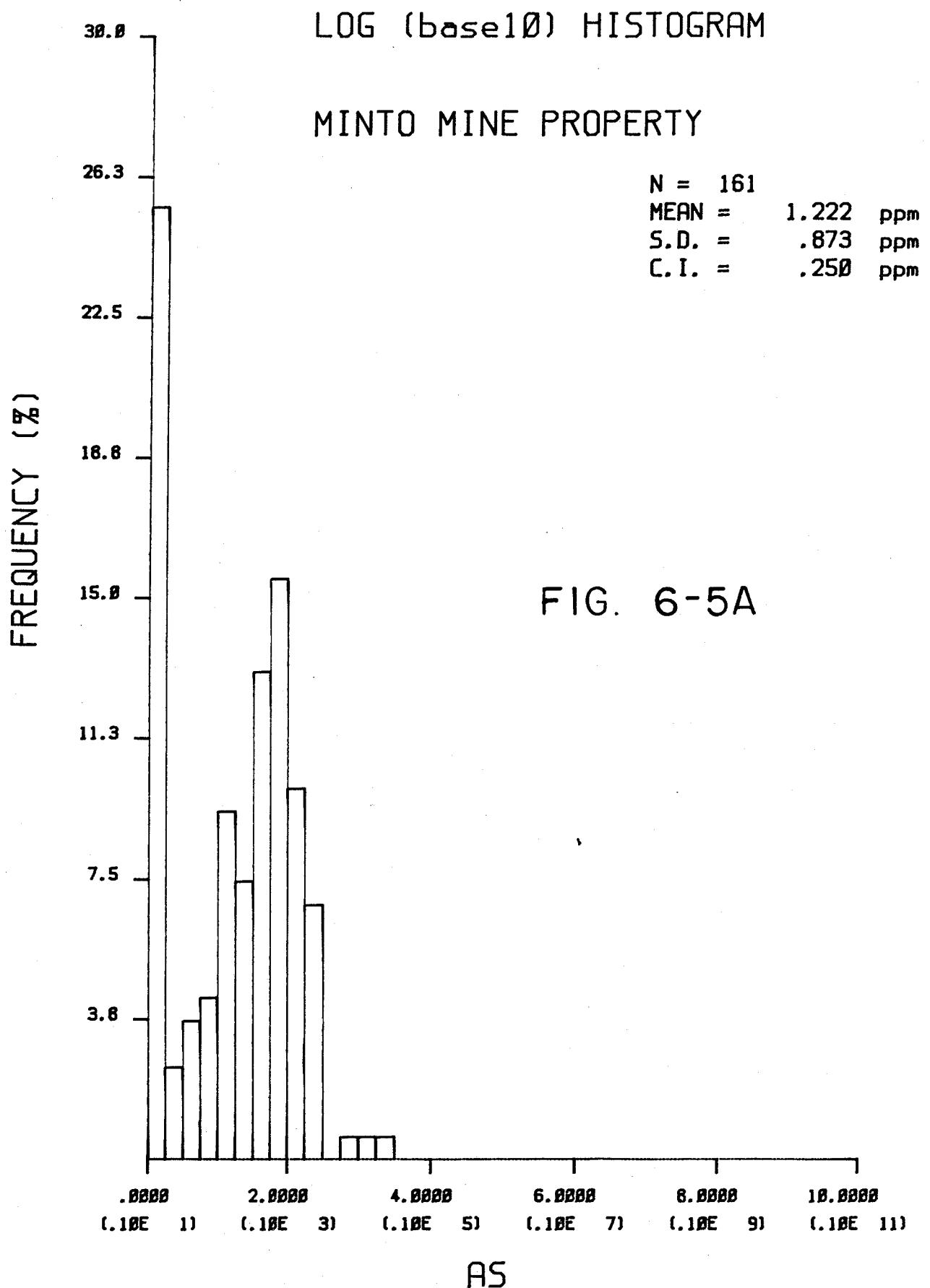


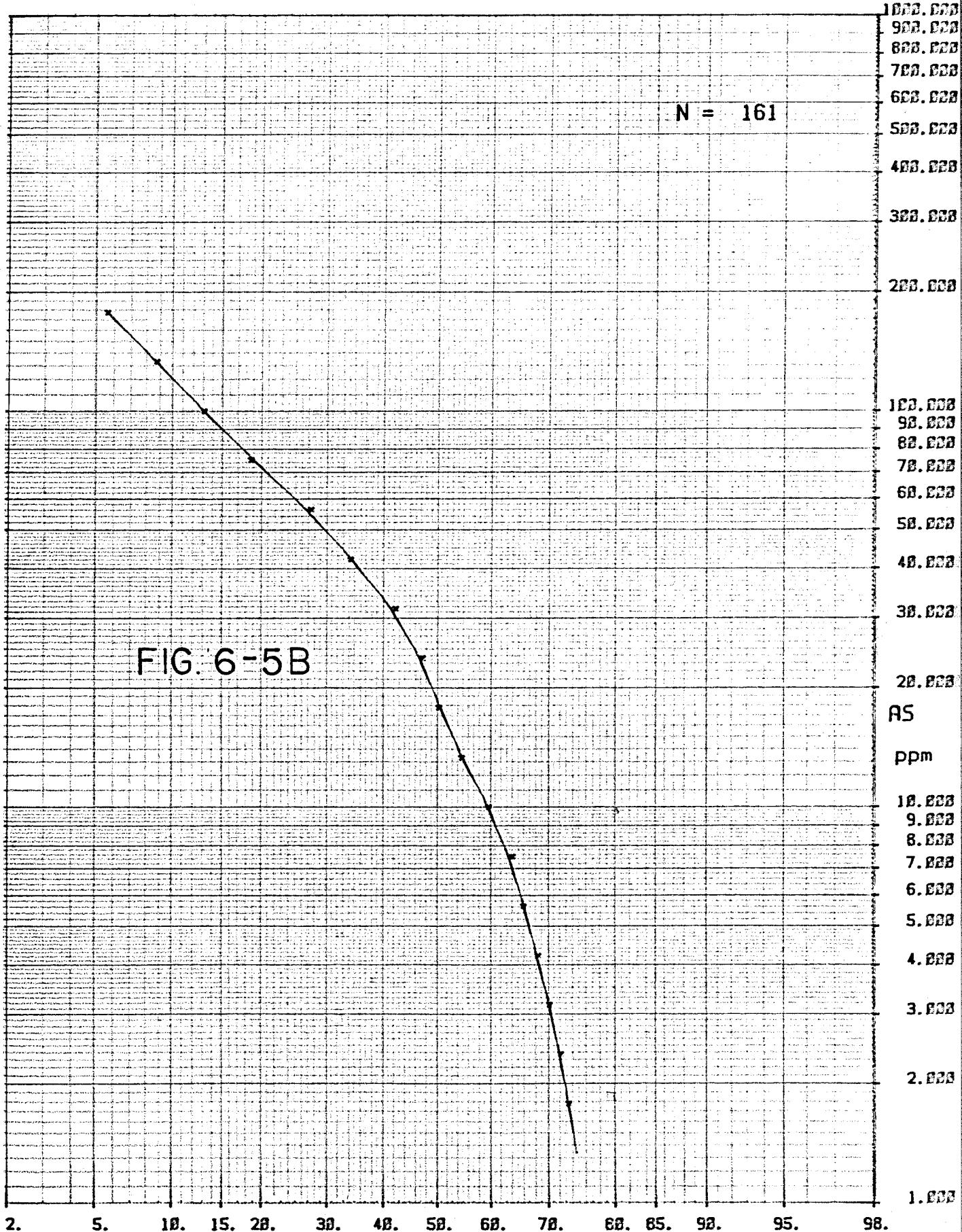
MINTO MINE PROPERTY



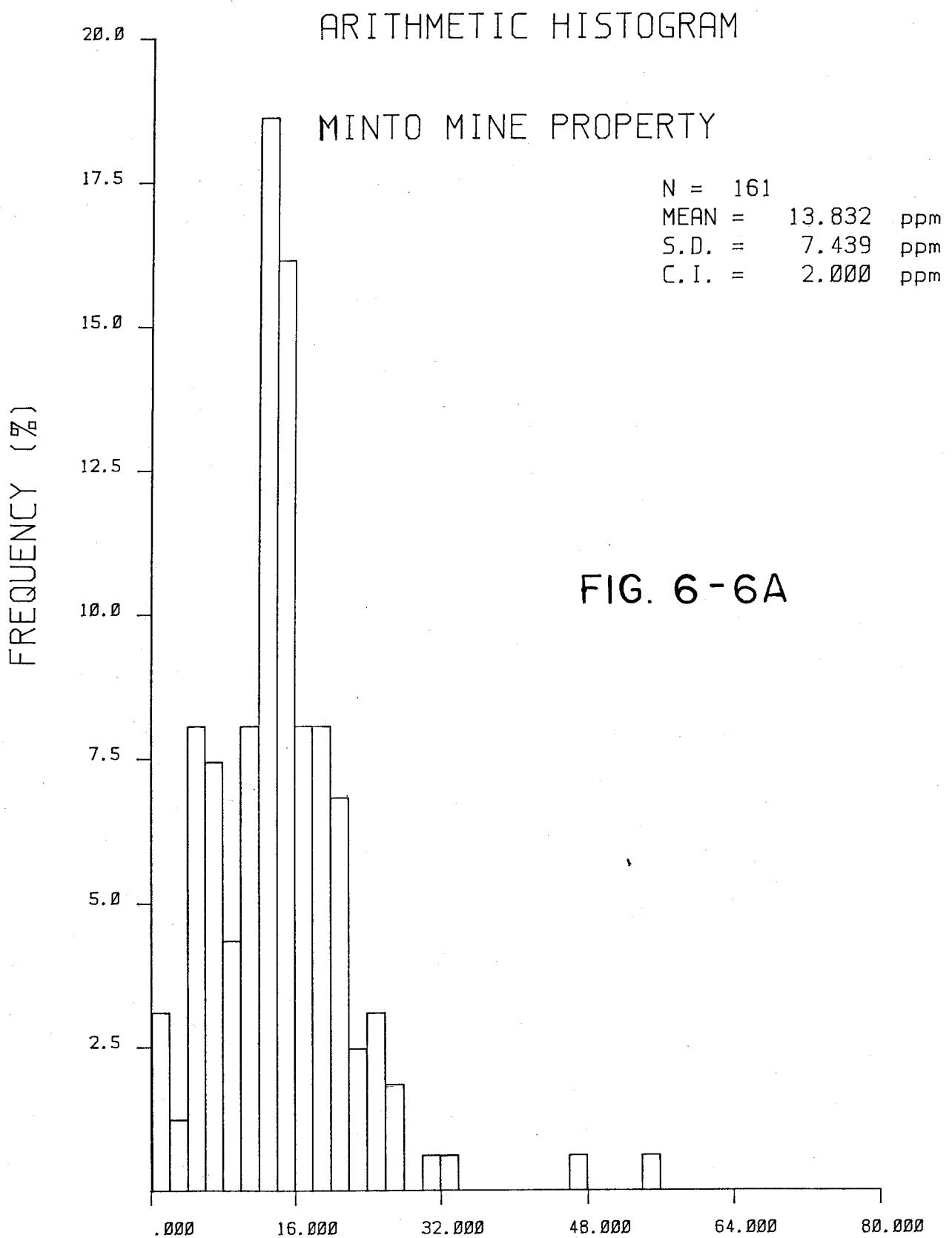


MINTO MINE PROPERTY





MINTO MINE PROPERTY



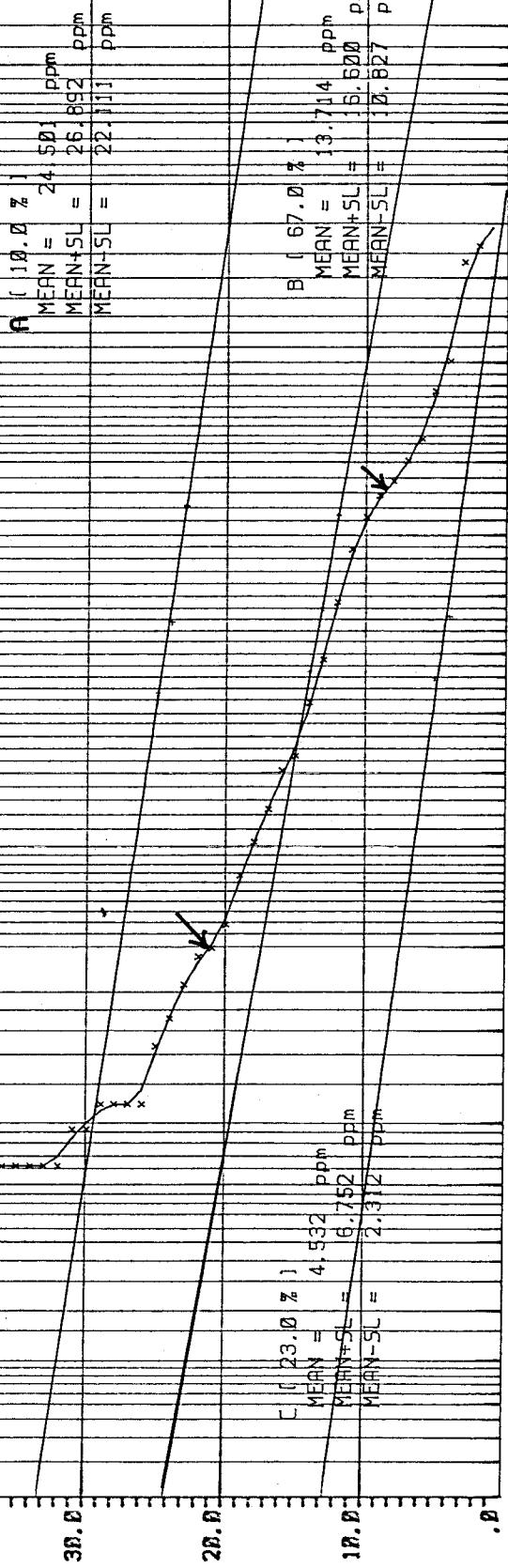
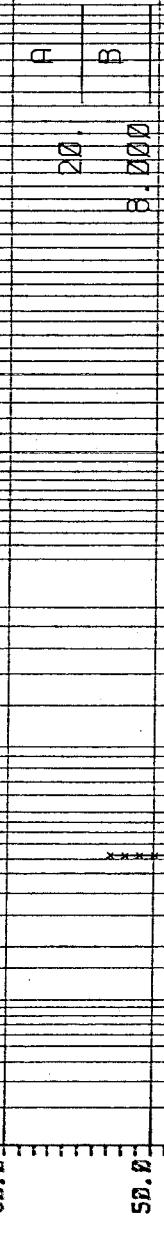
SB

MINTO MINE PROPERTY
8D. D
7B. D
6B. D
SB
PPM
4B. D
3B. D
2B. D
.D1

N = 161

THRESHOLD TABLE

FIG. 6-6B



.E5 .1 .2 .5 1. 2. 5. 10. 20. 30. 40. 50. 60. 70. 80. 90. 95. 98. 99. 99.5 99.9 99.99

7.0 VLF ELECTROMAGNETIC SURVEY

A VLF electromagnetic survey was carried out over the survey grid using a Sabre Model 27 instrument. Readings were taken of tilt angle and field strength (relative) using both the Seattle, Washington (18.6 KHZ) and Hawaii (23.4 KHZ) transmitters. All readings were taken facing north. Profiles were plotted for both transmitters (see Figures 7-1 and 7-2).

Personal communication between the authors and the geological consultant managing the exploration and development program on the Congress property to the west yielded information regarding the use of VLF-EM for detecting and delineating shear zones in overburden-covered areas. Test lines run over shear zones (mineralized) on the Congress property indicated that field strength was the best parameter to employ in this regard.

A field strength high of 27% (Hawaii transmitter) is located at 650N on the baseline. This is within about 70 meters of a mineralized shear observed at sample location 11498 (0.028 oz./ton gold).

8.0 RECOMMENDATIONS

Further geochemical rock and soil sampling and geological mapping is recommended on the geochemical gold anomaly detected around line 600N from the baseline to 300E. Each shear zone which has a significant gold assay should also be sampled and mapped in more detail.

The remainder of the Phase I program described by Mr. B.J. Cooke in his June 17, 1985 report entitled "Report on the Minto Property Near Gold Bridge, B.C." should be carried out as recommended. Particular care should be taken when sampling the underground workings to obtain a systematic sample of dike rock as this could be a potential source of significant gold values.

9.0 ITEMIZED COST STATEMENT

A. PERSONNEL

(a) Project Geologist; 3.5 days @ \$250/ 18 @ \$150; July 16-17, 18-26, 29-31 Aug. 1, 2, 3, 5-7, 26; Sept. 16, 17	3575.00
---	---------

(b) Field Geologist; 17 days @ \$100 July 18-27; July 29-31; Aug. 1, 6-8 (wage deductions, CPP, UIC, WCB)	1700.00
---	---------

(c) Engineer; .5 day @ \$400/Aug. 12	200.00
--------------------------------------	--------

B. FOOD/ACCOMMODATIONS

685.49

C. EQUIPMENT/SUPPLIES

178.75

D. TRANSPORTATION

Vehicle Use July 18-24; July 29-Aug. 1 Gas/Oil	500.25
---	--------

23.75

E. VLF-EM SURVEY

7.7 line-kilometers @ \$63/line-kilometer	485.10
---	--------

F. ANALYTICAL COSTS

27 rock samples-analysed for Au; \$12.08/sample 164 soil samples-analysed for Au; Ag, Pb, Zn, As, Sb; \$11.90/sample	326.03
--	--------

1952.01

G. REPORT PREPARATION

Typing	227.00
Report supplies	25.20
Computer costs	100.00
Photocopies	89.19
Misc.	9.91

TOTAL:	10203.73
---------------	----------

10.0 CERTIFICATES

I, D.F. Symonds, of #3-8715 Osler St., Vancouver, British Columbia hereby certify that:

1. I am a geologist and a graduate of the University of British Columbia (B.Sc. 1972).
2. I have practiced my profession since 1972.
3. I have based this report on field work carried out under my supervision during the 1985 field season and upon a study of all available publications, both public and private.
4. I have not, nor do I expect to receive any interest either direct or indirect, in any form, from Avino Mines & Resources Ltd. or their affiliates.
5. This report may be used by Avino Mines & Resources Ltd. or their agents for a Prospectus, Statement of material facts, Shareholders' newsletter, etc., in whole or in part.

DATE at VANCOUVER, B.C. this 20th day of September, 1985.

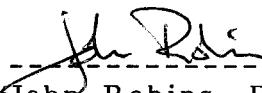


D.F. Symonds, B.Sc.
#3-8715 Osler St.
Vancouver, BC

I, John Robins of RR2 Site 25 Comp 4, Chase, British Columbia, hereby
certify that:

1. I am a geologist and a graduate of the University of British Columbia (B.Sc. 1984).
2. I am an associate member of the Geological Association of Canada.
3. I have worked in mineral exploration since 1981 and as a geologist since 1984.
4. I have based this report on field work carried out by myself and D.F. Symonds in July and August of 1984 and upon a study of publications both public and private.
5. I have not, nor do I expect to receive any interest either direct or indirect, in any form from Avino Mines and Resources Ltd.
6. This report may be used by Avino Mines & Resources Ltd. or their agents for a prospectus, statement of material facts shareholders newsletter etc., either in whole or in part.

DATED at Vancouver B.C. this 20th day of September, 1985.



John Robins, B.Sc.
RR2 Site 25, Comp 4
Chase, BC

APPENDIX I

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 85AV1 Date of report August 1/85.

File No. 5-417 Date samples received July 29/85.

Samples submitted by: D. Symonds

Company: Montgomery Consultants

Report on: Geochem samples

..... 4 Assay samples

Copies sent to:

1. Montgomery Consultants, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: Au-fire

Remarks:

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: MONTGOMERY CONSULTANTS

FILE: 5-417

PROJECT: 85AV1

DATE: JULY 31/85.

ATTENTION: D. SYMONDS

TYPE: ROCK ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AU G/TONNE	AU OZ/TON
600N30E	.96	0.028
300N250E (A)	.02	0.001
300N250E (B)	.02	0.001
210N95E	.01	0.001

Certified by

D. Symonds
MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 85AV1 Date of report August 9/85.

File No. 5-462 Date samples received August 7/85.

Samples submitted by:

Company: Montgomery Consultants

Report on: Geochem samples

..... 23 Assay samples

Copies sent to:

1. Montgomery Consultants, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: Au-fire.

Remarks:

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE (604) 980-5814 DR (604) 988-4524

TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: MONTGOMERY CONSULTANTS LTD.

FILE: 5-462

PROJECT: 85AV1

DATE: AUGUST 9/85.

ATTENTION: D. SYMONDS

TYPE: ROCK ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AU G/TONNE	AU OZ/TON
11502	.63	0.018
11503	24.40	0.712
11504	6.72	0.196
11505	.42	0.012
11506	.27	0.008
11507	.16	0.005
11508	.19	0.006
11509	.09	0.003
11510	.07	0.002
11511	19.40	0.566
11512	7.70	0.225
11513	.37	0.011
11514	.22	0.006
11515	1.43	0.042
11516	.90	0.026
11517	.39	0.011
11518	.12	0.003
11519	.02	0.001
11520	.18	0.005
11521	.23	0.007
11522	.33	0.010
11523	.03	0.001
11524	10.95	0.319

Certified by

R. Symonds
MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 85AV1 Date of report August 12/85.

File No. 5-462 Date samples received August 7/85.

Samples submitted by: Doug Symonds

Company: Montgomery Consultants

Report on: 22 soils Geochem samples

..... Assay samples

Copies sent to:

1. Montgomery Consultants, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -80 Ground to mesh

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: 5 element ICP. Au-aqua regia.A.A.

Remarks:

COMPANY: MONTOMGERY CONSULTANTS LTD.

MIN-EN LABS ICP REPORT

(ACT:GEO27) PAGE 1 OF 1

PROJECT NO: 85AV1

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 5-4625

ATTENTION: D. SYMONDS

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE:AUGUST 12, 1985

(VALUES IN PPM)	AG	AS	PB	SB	ZN	AU-PPB
150NBL	1.2	22	24	8	161	30
150N50W 20M	1.3	65	30	7	145	40
200N50W 20M	.3	1	11	1	14	10
200N100W 40M	1.0	17	23	4	125	210
200N150W 20M	1.8	1	8	4	74	45
250N150W 20M	2.5	1	4	7	101	5
300N50W 20M	1.0	1	5	1	79	20
300N100W	.3	1	11	1	60	5
300N150W 40M	2.4	1	5	6	84	5
300N250W	.8	1	21	4	79	5
300N300W	.6	1	13	2	62	5
300N350W	1.2	1	13	9	125	5
350N350W	1.1	9	15	11	107	10
400N50W	.4	5	15	1	58	5
400N100W 20M	1.7	1	10	6	122	20
400N150W 40M	1.8	1	9	7	84	10
400N200W 20M	.5	1	10	1	17	5
400N250W	1.3	1	22	6	138	5
400N300W 40M	1.2	1	27	8	186	5
400N350W	1.1	1	18	6	76	5
400N400W	1.0	6	30	12	160	5
400W350N	1.1	6	31	19	156	80

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 85AV1 Date of report August 2/85.

File No. 5-417 Date samples received July 29/85.

Samples submitted by: Doug Symonds

Company: Montgomery Consultants

Report on: 142 soils Geochem samples

..... Assay samples

Copies sent to:

1. Montgomery Consultants, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -80 soil Ground to mesh

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: 5 element ICP. Au-aqua regia.A.A.

Remarks:

COMPANY: MONTGOMERY CONSULTANTS

PROJECT NO: 85AV1

ATTENTION: DOUG SYMONDS

MIN-EN LABS ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(ACT:6E027) PAGE 1 OF 1

FILE NO: 5-4175/P1+2

(604) 980-5814 OR (604) 988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1985

(VALUES IN PPM)	A6	A5	PB	SB	ZN	AU-PPB
WEST TRENCH	1.1	101	37	17	381	10
BL200N	1.2	174	46	17	187	30
BL250N	1.5	86	37	21	136	20
BL300N	1.3	51	30	15	211	10
BL350N	1.2	36	26	13	72	5
BL400N 25'	.4	1	9	3	27	5
BL400N 55'	1.5	53	38	17	296	15
BL450N	1.2	41	37	14	248	5
BL500N	1.1	52	35	15	193	20
BL550N	.8	88	34	14	142	5
BL600N	1.3	567	54	46	213	120
BL650N	1.0	16	16	6	331	20
BL700N	1.3	97	33	14	500	5
BL750N	1.7	203	40	23	1064	100
BL800N	1.5	73	32	15	496	5
BL850N	1.1	13	19	9	465	5
BL900N	.8	271	31	20	673	5
BL950N	1.0	37	29	12	109	5
BL1050N	.4	1	16	5	77	5
BL1100N	.8	52	39	15	144	20
200N50E	2.0	98	150	20	425	60
200N100E	2.0	61	33	16	199	10
200N150E	1.5	77	29	14	188	30
200N200E	1.6	83	41	15	276	40
200N250E	1.3	96	44	15	218	120
200N300E	1.7	94	103	20	351	10
275N350E	4.4	2980	118	55	470	240
300N50E	2.0	65	37	20	165	5
300N100E	1.3	18	25	13	140	10
300N150E	1.6	27	28	13	163	5
300N200E	2.0	15	30	14	135	20
300N250E	1.7	116	45	18	334	85
300N300E	2.0	61	31	18	140	10
300N350E	1.0	47	30	6	226	5
350N350E	1.7	279	76	26	514	60
400N50E	1.3	16	36	14	129	5
400N100E	1.2	39	42	15	176	40
400N150E	1.5	1	26	12	70	10
400N200E	1.6	11	28	13	83	5
400N250E	1.6	17	33	13	142	5
400N300E	1.7	95	41	18	666	20
400N350E	2.0	145	44	19	358	5
475N250W	2.5	25	44	22	139	5
475N200W	1.0	1	12	5	37	5
475N150W	2.2	18	38	17	119	5
475N100W	2.0	53	41	19	125	10
475N50W	2.0	171	62	23	249	20
500N500W	1.3	159	55	25	145	5
500N450W	1.5	100	59	24	159	5
500N400W	1.7	78	47	21	129	110
500N350W	2.5	55	52	24	177	5
500N300W	3.5	72	53	26	119	5
500N50E	1.5	65	39	15	249	85
500N100E	1.7	51	42	15	368	25
500N150E	1.7	65	51	17	400	35
500N200E	2.0	56	42	18	326	10
500N250E	1.3	28	29	12	109	5
500N300E	1.5	17	29	12	71	20
500N350E	1.5	38	31	13	387	5
500N400E	1.2	55	33	14	181	5

COMPANY: MONTGOMERY CONSULTANTS

PROJECT NO: 85AV1

ATTENTION: DOUG SYMONDS

MIN-EN LABS ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:GED27) PAGE 1 OF 1

FILE NO: 5-417S/P3+4

* TYPE SOIL GEOCHEM * DATE:AUGUST 2, 1985

(VALUES IN PPM)	A6	AS	PB	SB	ZN	AU-PPR
500N430E	.8	38	25	12	112	5
500N400E	.8	194	33	19	74	45
600N500W	1.2	68	47	24	146	5
600N450W	1.2	68	48	25	157	5
600N400W	1.0	35	30	14	99	5
600N350W	1.5	23	30	18	98	5
600N300W	1.2	106	46	21	166	5
600N250W	3.7	1	50	32	236	3
600N200W	2.5	1	57	30	224	10
600N100W	1.8	76	50	18	301	75
600N50W	1.6	213	55	23	473	70
600N50E	1.1	201	40	20	263	180
600N100E	1.1	106	36	19	438	410
600N150E 20'	1.2	147	39	17	419	385
600N150E 100'	.6	1	11	5	39	5
600N200E	1.2	212	41	17	292	110
600N250E	1.5	131	20	7	77	5
600N300E	1.7	133	32	18	180	150
600N350E	1.3	86	31	14	144	10
600N400E	2.4	264	46	26	186	25
600N450E	.6	1	11	4	85	5
600N500E	1.5	9	36	16	84	5
700N400W	2.5	13	37	20	109	5
700N350W 40M	3.5	1	29	19	94	5
700N300W	1.0	1	15	10	54	5
700N250W	1.0	1	10	5	75	5
700N200W	.5	1	16	4	53	5
700N150W	1.5	17	28	12	111	5
700N100W	1.2	24	35	15	187	5
700N50W	.5	1	12	5	465	5
700N50E	1.6	87	33	20	445	130
700N100E	2.0	131	32	20	478	65
700N150E	.8	5	15	6	142	5
700N200E	1.5	103	29	15	257	150
700N250E	1.2	311	44	17	446	225
700N300E	1.3	170	50	13	196	180
800N400W	1.6	1	29	13	91	5
800N300W	.8	1	12	4	29	5
800N250W	1.7	13	24	15	109	5
800N200W	1.2	5	24	11	86	5
800N150W	1.6	20	28	13	111	5
800N100W	1.7	8	27	12	255	5
800N50W	.6	1	4	3	29	5
800N50E	1.2	102	28	13	113	70
800N100E	1.2	70	27	10	709	95
800N150E	1.2	53	28	12	271	90
800N200E	1.3	1352	37	16	842	80
800N250E	2.0	291	34	17	148	10
800N300E	2.0	90	25	16	118	30
900N400W	.6	1	11	4	35	5
900N350W	1.2	11	26	12	76	5
900N300W	1.5	1	22	10	91	10
900N250W	1.8	1	23	11	130	5
900N200W	1.2	6	19	11	53	5
900N150W	1.7	19	31	14	360	5
900N100W	1.6	11	21	12	324	5
900N50W	1.7	21	50	13	1679	5
900N50E	1.5	51	35	12	963	10
900N100E	1.3	40	28	13	252	5
900N150E	.6	1	13	4	62	5

COMPANY: MONTGOMERY CONSULTANTS

MIN-EN LABS ICP REPORT

(ACT:GEO27) PAGE 1 OF 1

PROJECT NO: 85AV1

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

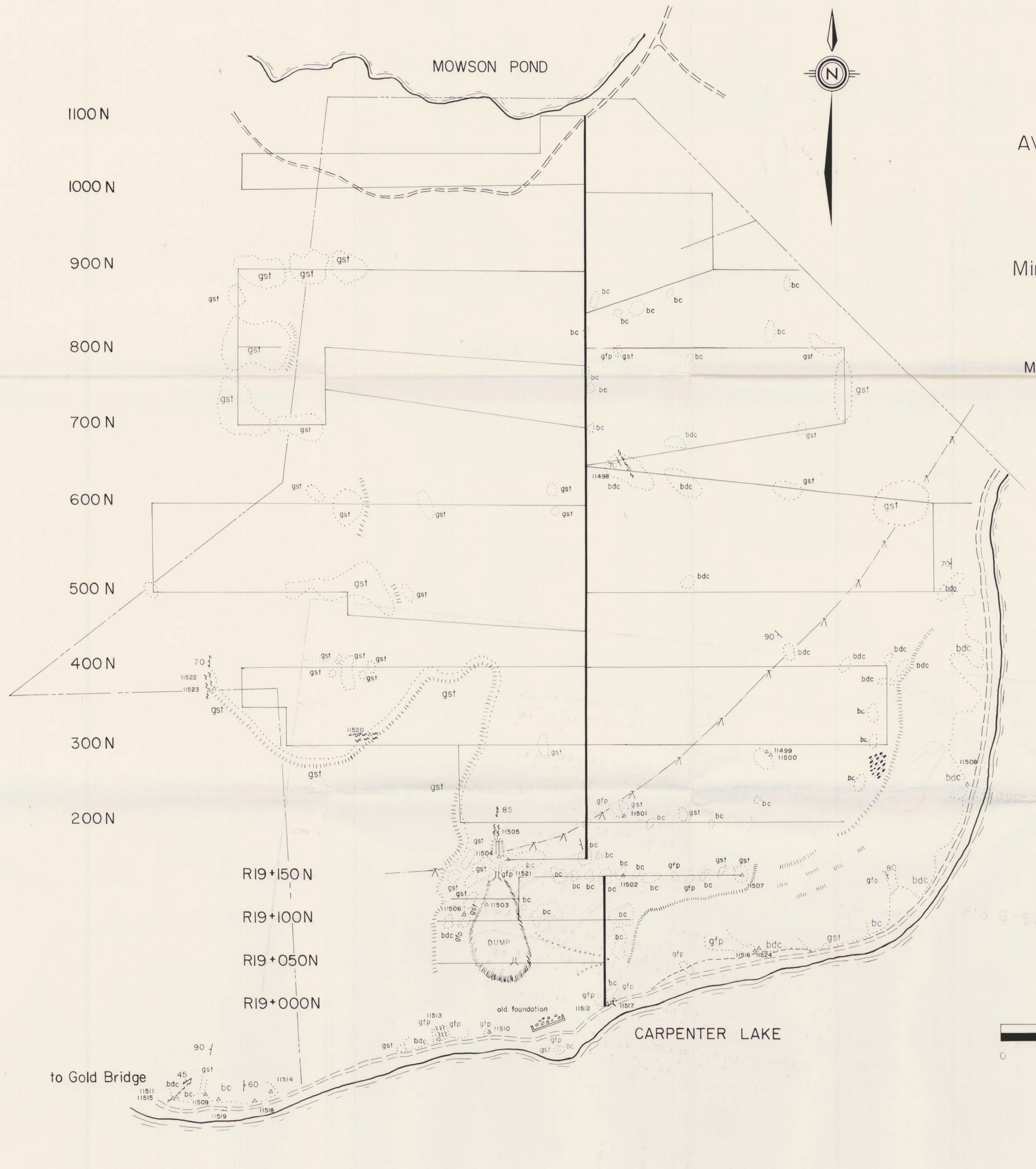
FILE NO: 5-4175/P5

ATTENTION: DOUG SYMONDS

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE:AUGUST 2, 1985

(VALUES IN PPM)	AG	AS	PB	SB	ZN	AU-PPB
900N200E	.5	279	32	13	317	60
900N250E	1.1	174	27	17	201	5
1000N400W	.6	1	22	10	171	5
1000N350W	.8	3	19	11	66	10
1000N300W	1.3	1	23	12	56	5
1000N250W	1.2	10	22	13	124	45
1000N200W	1.2	3	20	13	45	5
1000N150W	1.2	2	27	14	161	10
1000N100W	.8	1	21	10	98	5
1000N50W	1.2	2	22	11	136	5
1000N50E	1.5	17	30	13	226	5
1000N100E	.8	49	28	14	145	10
1000N150E	1.0	4	22	11	150	10
1050N400W	1.1	1	28	11	169	5
1050N350W	.4	1	9	4	55	5
1050N300W	1.6	4	33	15	160	5
1050N250W	1.3	7	25	15	108	5
1050N200W	.8	1	14	8	39	5
1050N150W	1.0	1	21	9	68	10
1050N100W	1.1	4	27	8	124	5
1050N50W	N/S					
1100N50W	.5	1	36	6	66	5
BL1000N	1.2	29	26	12	197	20



AVINO MINES & RESOURCES LTD.

LOCAL GEOLOGY

Minto Mine Property

Fig. 5-2

Montgomery Consultants Ltd. 20 Sept. 85

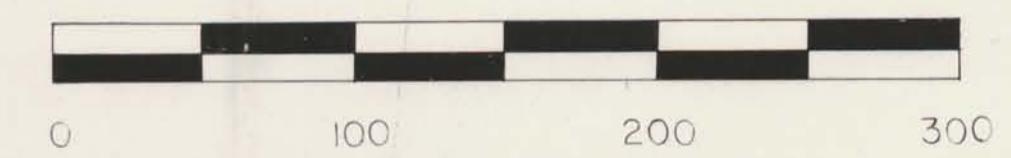
LEGEND

	roads		gossan
	trail		
	cliff		chert (broken; bedded)
	hydro line		
	survey grid		greenstone
	claim boundary		
	adit		green feldspar porphyry
	assay		
	outcrop		
	shear zone		dacite chert breccia
	shear attitude		
	bedding / contact attitude		

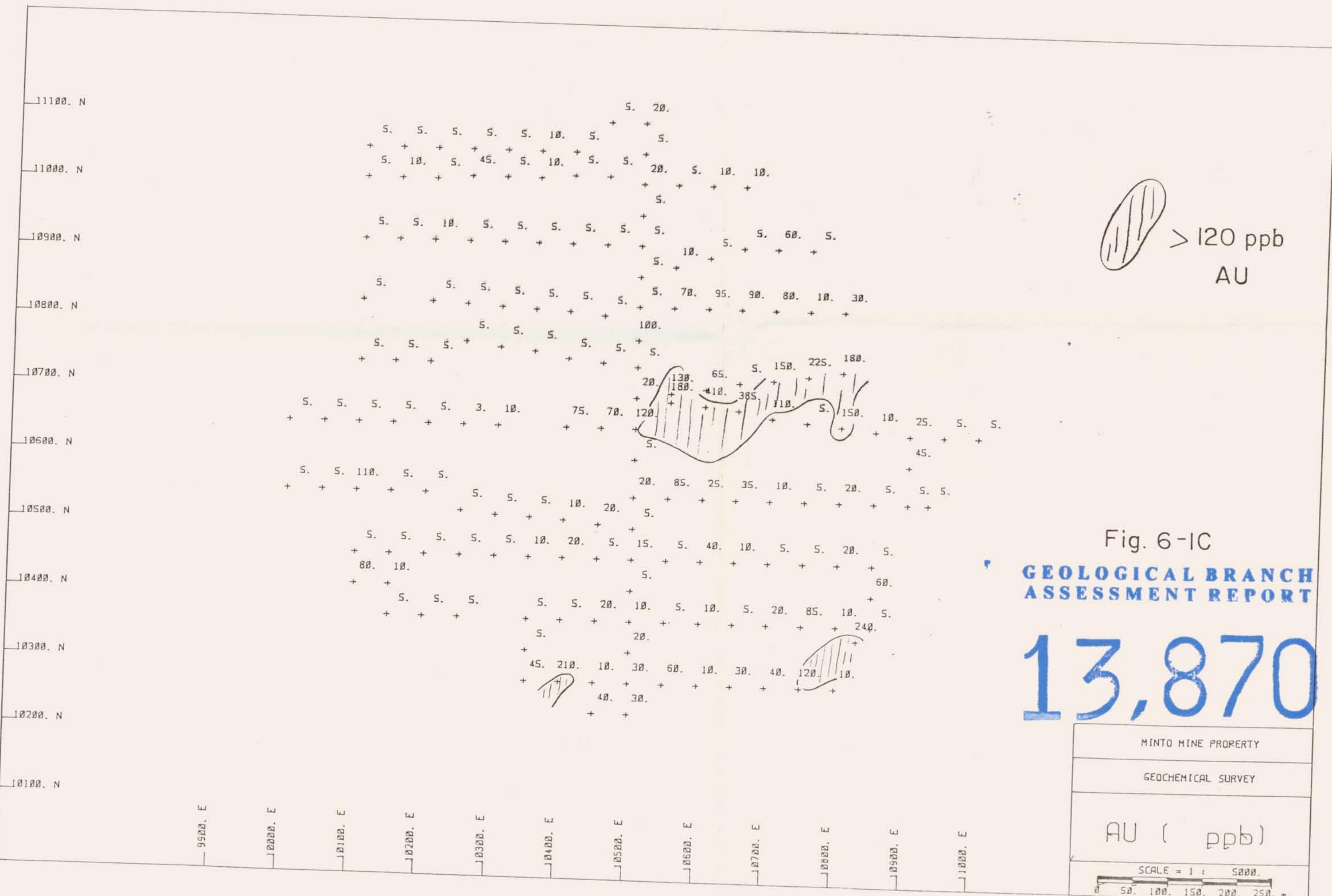
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,870

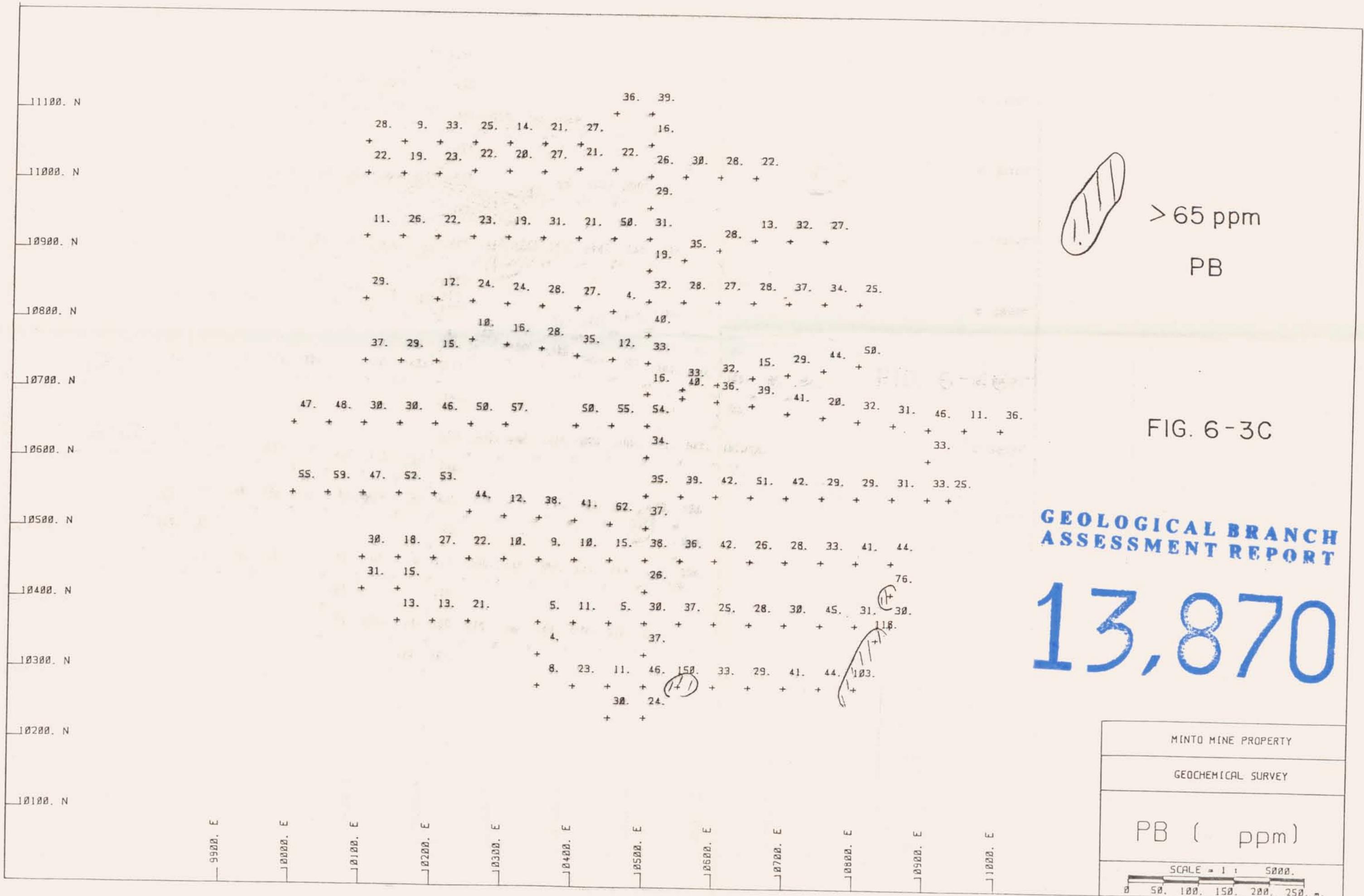
meters



1 : 2500







>65 ppm
PB

FIG. 6-3C

GEOLOGICAL BRANCH ASSESSMENT REPORT

13,870

MINTO MINE PROPERTY

GEOCHEMICAL SURVEY

PB (ppm)

SCALE = 1 : 5000.

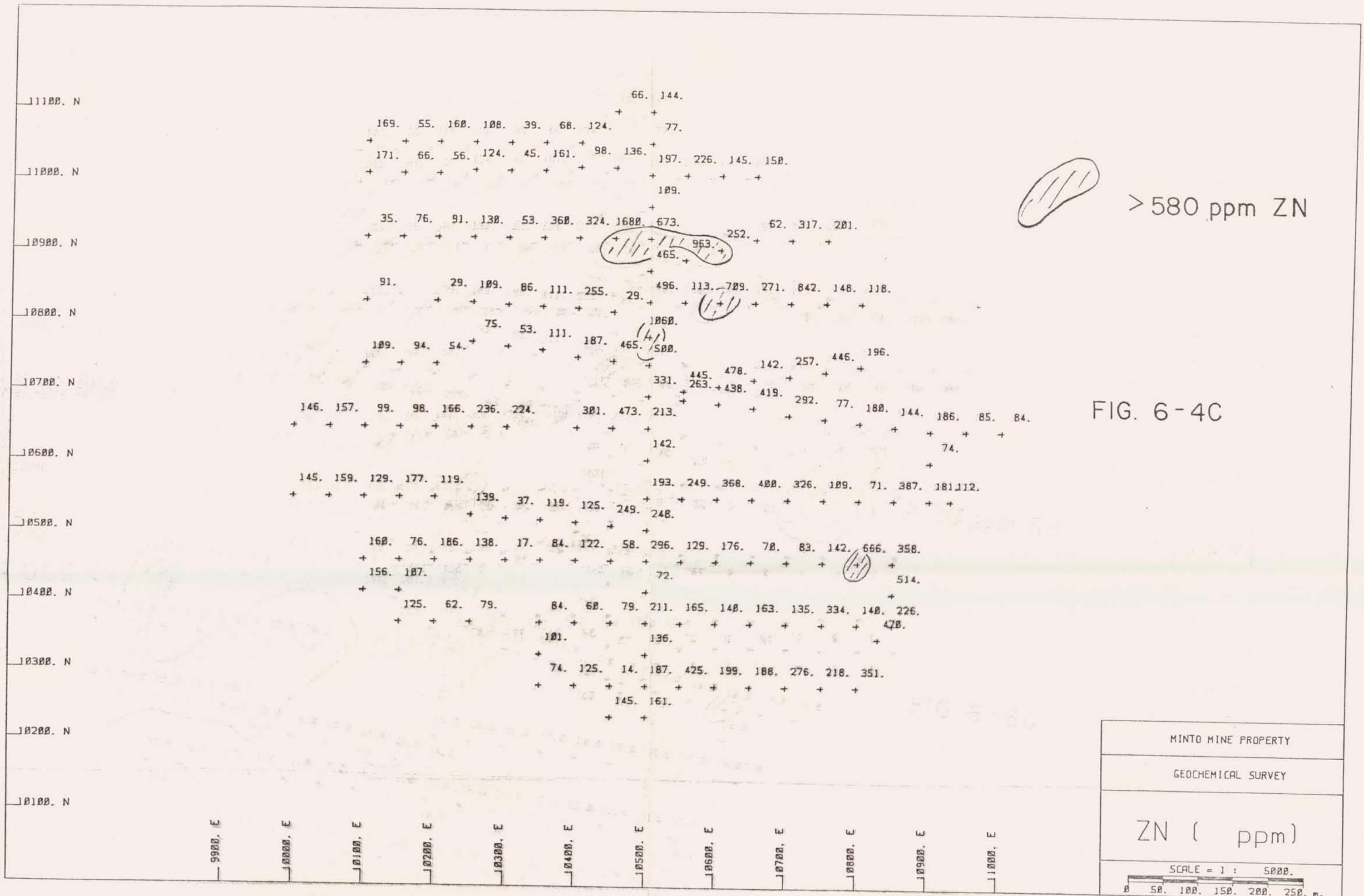
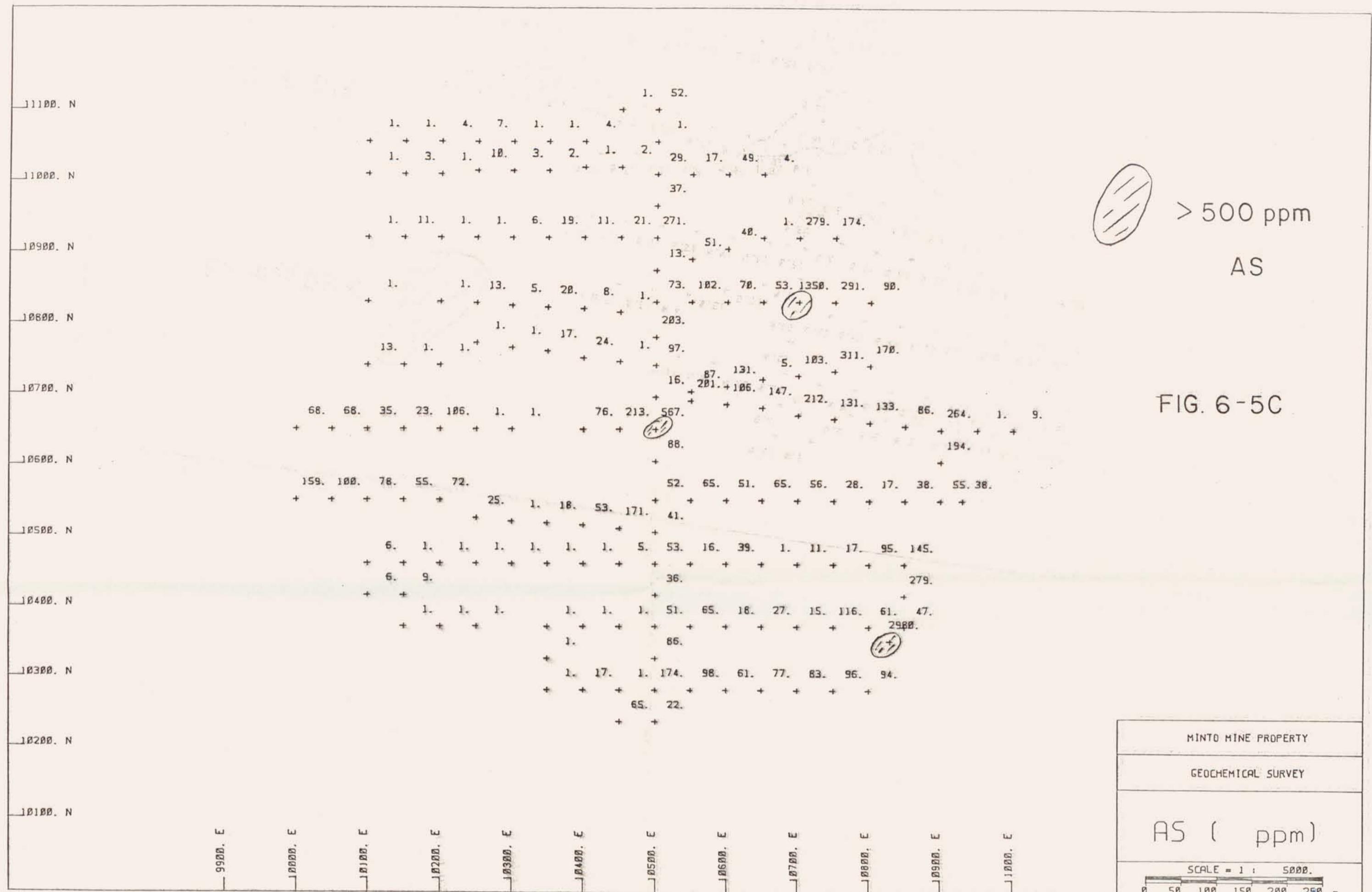


FIG. 6-4C

GEOLOGICAL BRANCH ASSESSMENT REPORT

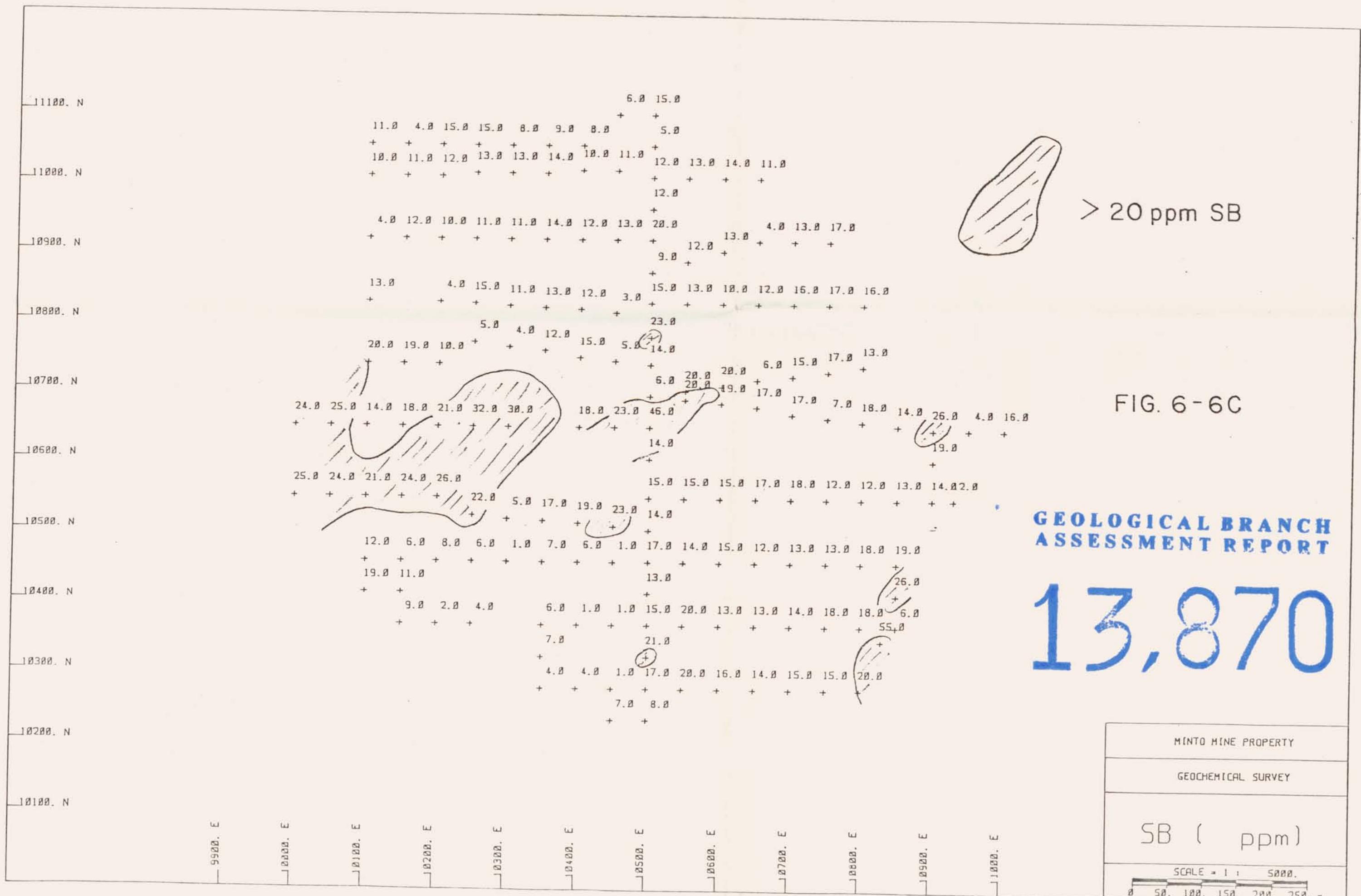
13,870



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

6-5c

13,870



20 ppm SB

FIG. 6-6C

GEOLOGICAL BRANCH ASSESSMENT REPORT

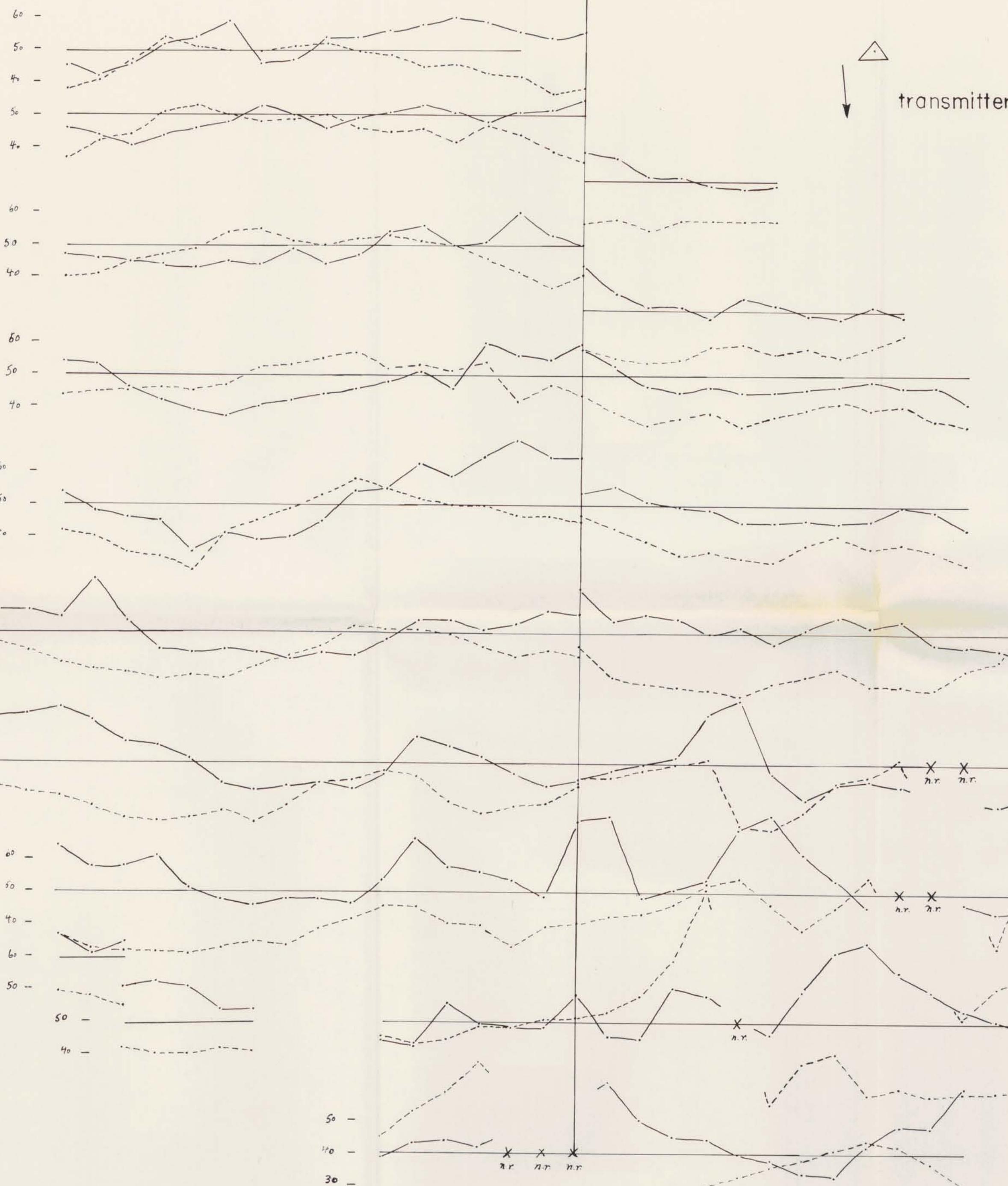
13,870

MINTO MINE PROPERTY
GEOCHEMICAL SURVEY

400W 300W 200W 100W

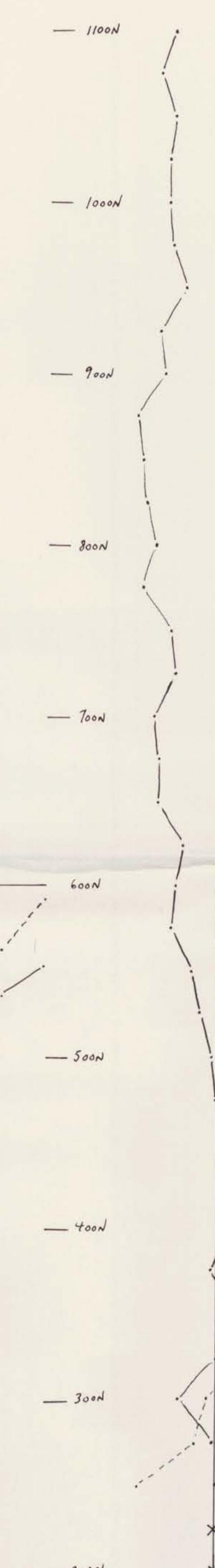
100E 200E 300E 400E

500C



SABRE MODEL 27 VLF EM

BL



horizontal scale 1:2500

vertical scale :

relative field strength (solid line)

1 cm = 10 %

tilt angle (dashed line)

1 cm = 10 °

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,870



AVINO MINES & RES. LTD.

VLF-EM SURVEY

(Seattle Transmitter)

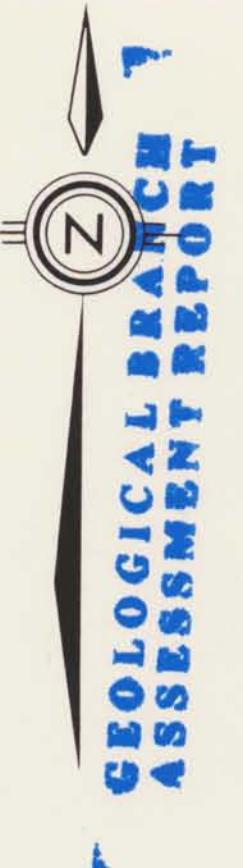
18.6 kHz

Minto Mine Property

FIG. 7-1

September 20, 1985

Montgomery Consultants Limited



13,870

AVINO MINES & RES. LTD.

VLF-EM SURVEY
(Hawaii Transmitter)
23.4 kHz

Minto Mine Property

FIG. 7-2

September 20, 1985

Montgomery Consultants Limited

