87-398-15943
6/88

REPORT ON
GEOCHEMISTRY AND GEOLOGICAL MAPPING
OF THE HAT GRID
HAT CLAIM GROUP
OMINECA MINING DIVISION

NTS 93K/16W

Lat.: 54° 46' N. Long.: 124° 22' W.

FOR

BIG VALLEY RESOURCES INC. AND

CASAMIRO RESOURCE CORP.

(OPERATORS)

BY

Uwe Schmidt, B.Sc., F.G.A.C.
NORTHWEST GEOLOGICAL CONSULTING LTD.

JAN. 15,1987

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1. SUMMARY AND RECOMMENDATIONS

The Hat claim group is located in the Omineca Mining division, 42 km north of Fort St. James, B.C.

In August, 1986, Northwest Geological Consulting Ltd. carried out a limited grid soil sampling and mapping program on the property on behalf of Big Valley Resources Inc. and Casamiro Resource Corp. This program outlined three geochemical anomalies in an area of extensive alteration within the Mesozoic aged Takla Group.

The claims cover the northern flank of an aeromagnetic high and a geologic setting which is similar to Noranda's Tas gold discovery, located 13 km north of the Hat property. Gold anomalies on the Hat property closely parallel results obtained by Noranda in the initial sampling of the Tas property.

Work to date on the Hat grid has been limited to approximately 6 % of the total property area.

A three-phased program, beginning with anomaly follow up, extension of grid soil sampling, magnetometer and VLF surveys over the entire property, is recommended.

A number of trenches should be excavated across anomalies "A" and "B", perpendicular to the glacial direction. This program could be carried out in the spring prior to commencing the other surveys.

First phase soil samples should be taken at 50 metre intervals along sample lines spaced 100 metres apart. A second phase, would allow for detailed sampling at 50 metre line spacings and sample intervals and additional trenching. A third, diamond drilling phase is recommended, contingent on favourable results. A total cost of $348,500 is estimated.

Respectfully submitted,

GEOLOGICAL ASSOCIATION OF CANADA
UWE SCHMIDT
FELLOW

Uwe Schmidt, B.Sc., F.G.A.C.

2. INTRODUCTION

In August, 1986 Northwest Geological Consulting Ltd. was commissioned by Big Valley Resources Inc. and Casamiro Resource Corp. to carry out a limited grid geochemical soil sampling and mapping program on the companies' Hat property in Fort St. James area of B.C.

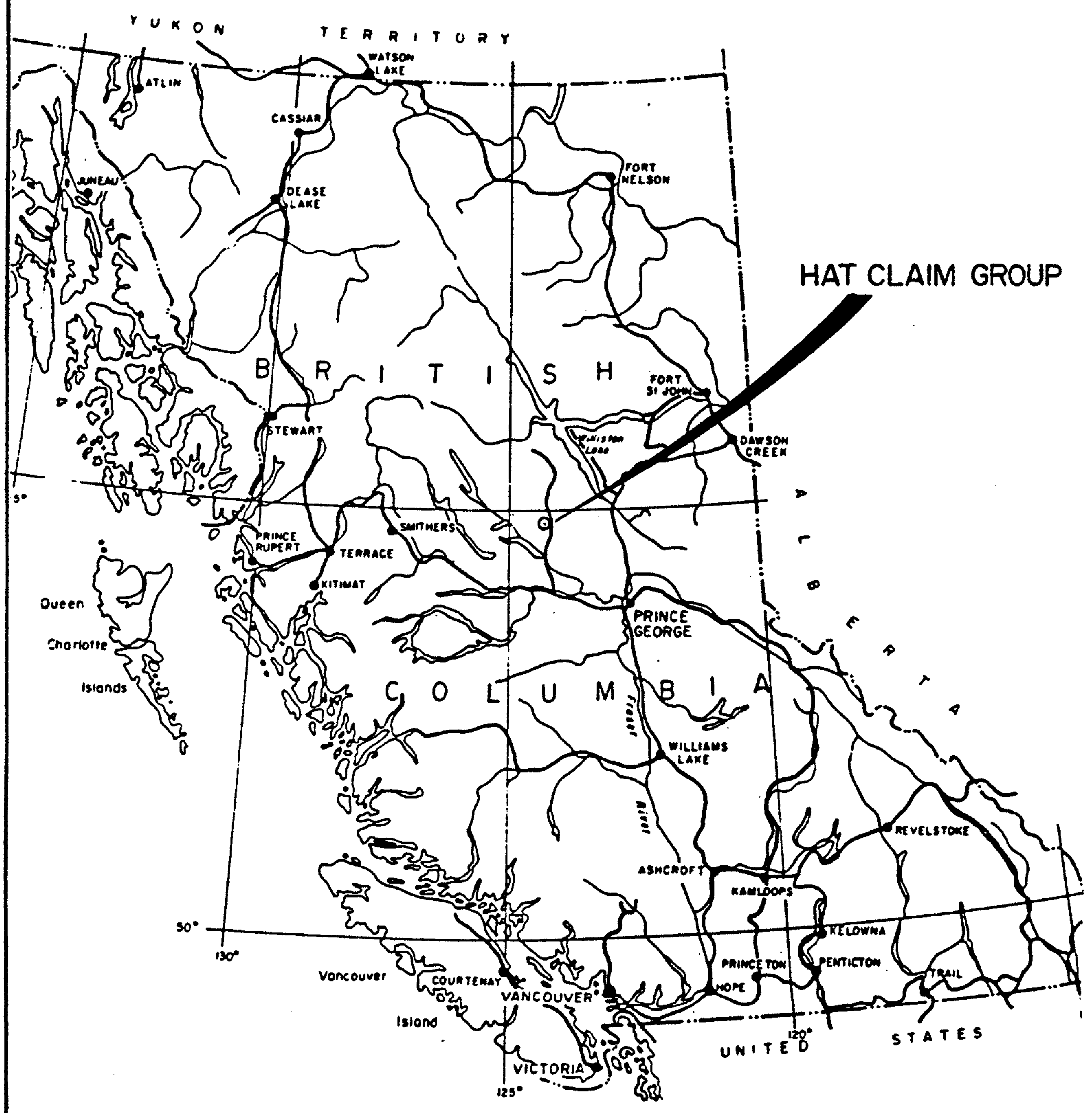
During the period from August 23 to 28, 1986 , a field crew headed by geologist Leo Lindinger, carried out this program. He was assisted by samplers Delbert MacDonald and Mervin Carson. The writer examined the property on July 26 and August 28, 1986. This report summarizes the work and recommends further work.

3. PROPERTY, LOCATION AND ACCESS

The Hat claim group consists of 4 mineral claims totalling 80 units and having an area of 2,000 hectares (4,942 acres). The claims are located 42 km. north of Ft. St. James, B.C. in the Omineca Mining Division.

The property was staked by A.D. Halleran, A.A. Halleran and U. Schmidt. Big Valley Resources Inc. and Casamiro Resource Corp. jointly have an option to acquire a 100% interest in the claims.

The property is located on NTS map sheet 93K/16 and the geographic coordinates of the approximate centre of the property are 54° 46'N. latitude and 124° 22' W. longitude.



BIG VALLEY RESOURCES INC.

LOCATION
HAT CLAIM GROUP

Northwest Geological Consulting Ltd.

Scale	Date	NTS	Fig. No.
1:7000000	Jan. 87	93K/16	1

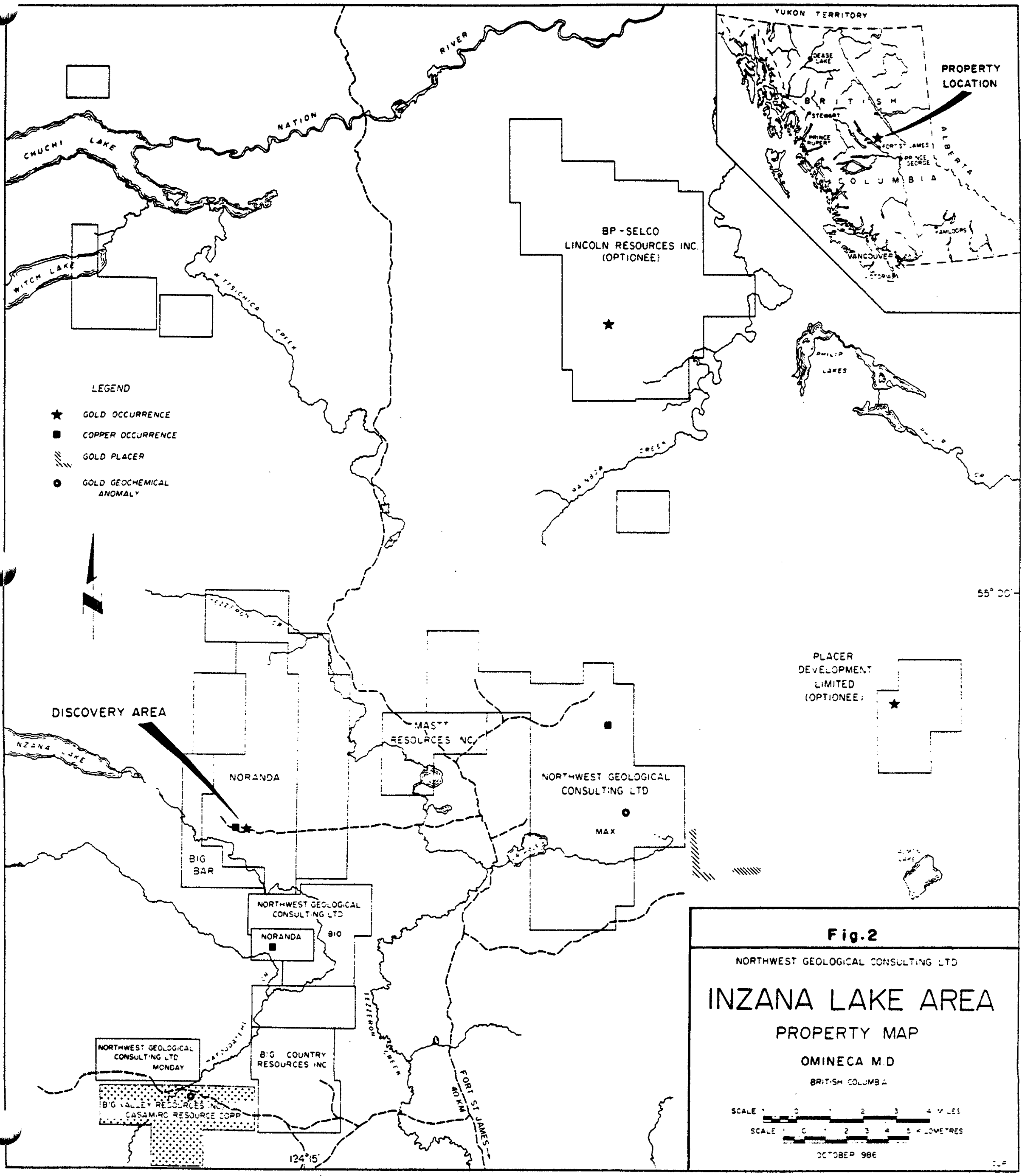


Fig. 2

NORTHWEST GEOLOGICAL CONSULTING LTD

INZANA LAKE AREA

PROPERTY MAP

OMINECA M.D

BRITISH COLUMBIA

SCALE 1 0 1 2 3 4 MILES

SCALE 1 0 1 2 3 4 5 KILOMETRES

OCTOBER 1986

The details of the claims are as follows:

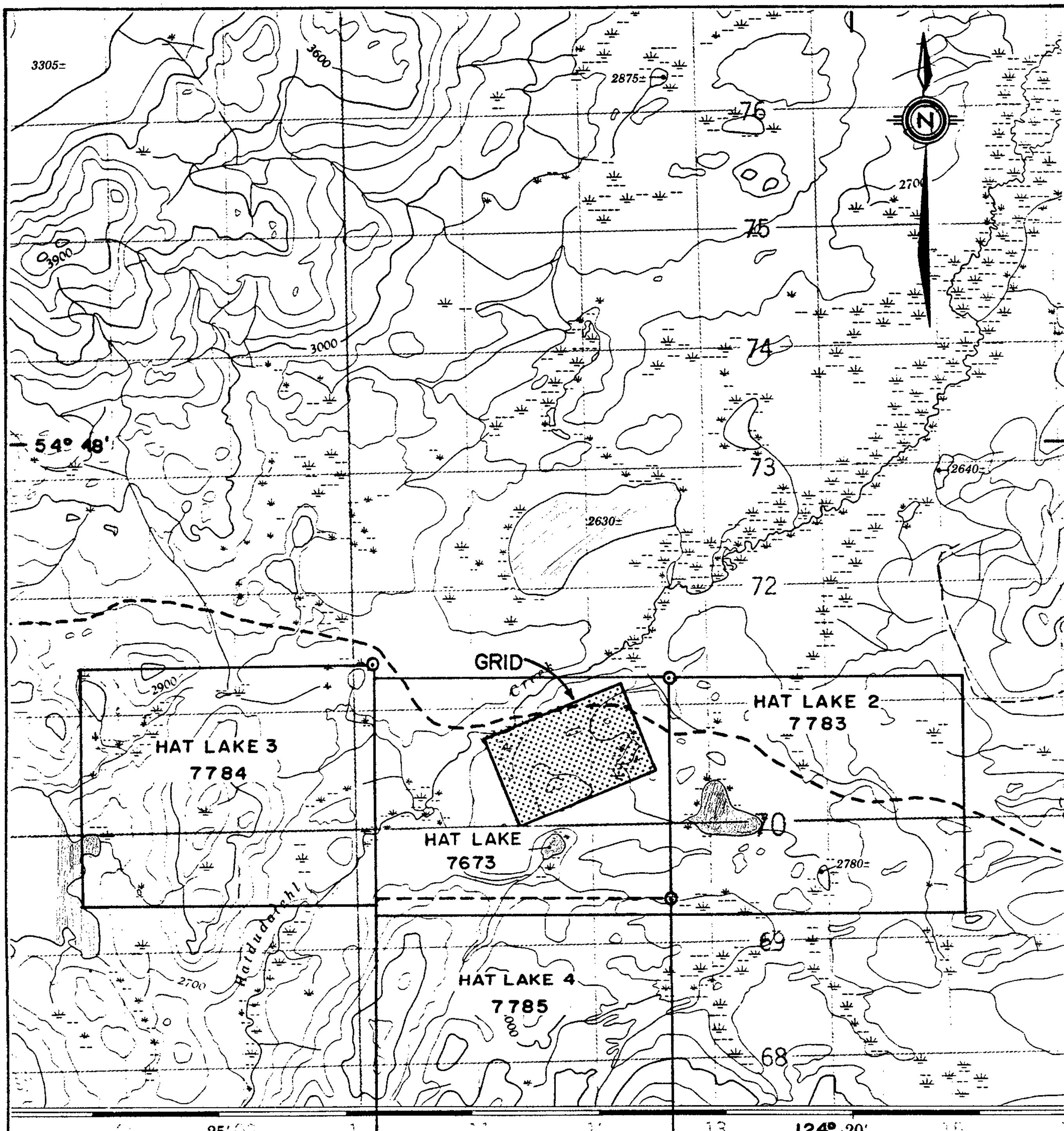
CLAIM NAME	NO.OF UNITS	RECORD NO.	RECORDING DATE
Hat Lake	20	7673	July 7,1986
Hat Lake 2	20	7783	Aug. 14,1986
Hat Lake 3	20	7784	Aug. 14,1986
Hat Lake 4	20	7785	Aug. 14,1986
Total	80		

The property is accessible by 2-wheel drive vehicle from Fort St. James, via the Manson Creek - Germansen Landing road. A well maintained logging road connects the Manson Creek road to the property. This road crosses the claims in an east-west direction. Additional access is provided by numerous subsidiary logging roads and skid trails.

The claim boundaries were examined and are well marked. The claim locations shown on fig. 4 are those determined by the writer because the claims do not yet appear on locally available government claim maps.

4. PHYSIOGRAPHY

The property is located near the northern boundary of the Fraser Basin, a sub-division of the Interior Plateau. On a large scale the Fraser Basin is characterized by low relief with flat to rolling surfaces which for the most part lie below elevation of 900 m. Few bedrock exposures occur in these predominantly drift covered areas. Glacial ice moved in a northeasterly direction in



BIG VALLEY RESOURCES INC.

CLAIM MAP
HAT CLAIM GROUP

Northwest Geological Consulting Ltd.

Scale	Date	NTS	Fig. No.
1:50,000	Jan. 87	93K/16	3

the vicinity of the property.

Elevations on the property range from 800 to 950 metres. Bedrock exposure is variable. Outcrop is generally limited to road cuts and certain areas along ridge tops.

5. HISTORY

Previous mineral exploration in the area includes exploration for porphyry copper deposits in the late 1960's. Three aeromagnetic anomalies were staked during this period but assessment work was only filed on one of these. Here magnetic and EM anomalies were explored and drilled, without success.

More recently, numerous airborne EM conductors in the vicinity of the property were staked and drilled by a subsidiary of B.P. Selco. Most of these claims have since lapsed.

In 1984 A.D. Halleran and A.A. Halleran discovered a gold bearing copper showing north of the Hat property. The showing was staked as the Tas property and later optioned by Noranda Exploration Company Limited. During 1985 and 1986 Noranda completed geological mapping, geochemical soil sampling, induced polarization and magnetometer surveys. A small program of trenching and limited pionjar overburden sampling were also completed. Work to date by Noranda has outlined a very promising 10 metre wide, shear/contact zone which contains visible gold and assays up to 55 gm./T Au. High soil geochemical gold anomalies were outlined in 1986 and an additional gold zone was discovered by hand trenching.

The Hat property was staked in July and August of 1986 in an area which is geologically similar to the Tas gold discovery. There is no record or evidence of any previous work on the Hat claim group.

Work described in this report was carried out by Northwest Geological Consulting Ltd. on behalf of Big Valley Resources Inc. and Casamiro Resource Corp. A limited program of soil sampling and mapping was carried out on the Hat Lake claim over the period of August 23 to 28, 1986.

The area surveyed was chosen because of its similarity to the recent gold discovery of Noranda on the Tas property, which is located 13 km to the north.

6. REGIONAL GEOLOGY

The property is underlain by Upper Triassic to Lower Jurassic metasedimentary and volcanic rocks of the Takla Group. These lithologies lie within Quesnel Trough, a sub-division of the Intermontane tectonic belt. This narrow belt of sedimentary and volcanic rocks has been traced southward to beyond the international border. To the south, the lower, Upper Triassic sequences have been assigned to the Nicola Group.

The trough is fault bounded on the west and east. To the west, Quesnel Trough lies in fault contact with Paleozoic rocks of the Pinchi Belt. To the east the boundary between the trough and Intermontane Belt is marked by a major shear zone. Large scale tectonic imbrication and mylonitization on both sides of the zone suggest an eastward thrusting of the Intermontane over the Omineca

Belt (REES,1981).

Quesnel Trough was the site of extensive island-arc volcanic and sedimentary deposition from late Triassic to early Jurassic time. The base of Quesnel Trough is an Upper Triassic black argillite unit. This unit is exposed near the eastern margin of the trough where it commonly overlies ophiolitic rocks of the Slide Mountain Group. The basal black argillite is overlain by a series of augite porphyry flows, breccias and minor argillites. These rocks are overlain by a second sequence of argillites and volcaniclastic rocks of Upper Triassic to Lower Jurassic age. Sub-aerial volcaniclastics in the geologic record indicate that volcanic centres in the trough emerged in early Jurassic time. This is postulated to have occurred in conjunction with the rise and deformation of Omineca Crystalline Belt rocks to the east.

Block faulting and tilting are the dominant structural styles in the belt. Faults trend in a northwest and northeast direction. Folding is restricted to the eastern margin of the belt near its structural boundary with the Omineca Crystalline Belt.

Two major episodes of granitic intrusion are recognized along a northwest trending belt slightly oblique to Quesnel Trough. The intrusive events cluster around 200 and 100 million year ages.

Gold and copper-gold deposits have an affinity for 200 million year old alkalic plutons and Triassic-Jurassic volcanic rocks. Molybdenum deposits on the other hand are associated with the 100 million year intrusive event.

7. ECONOMIC GEOLOGY

A common exploration target in Quesnel Trough has been the copper-gold association found in the alkalic porphyry copper environment. The Cariboo-Bell Cu-Au deposit near Likely, is an example of this environment.

Two copper gold occurrences of this type are known within the area. One is the Tas property, located 13 km north of the property. The second is the Mnt. Milligan property located 28 km north-northeast of the property. In both cases copper mineralization is associated with alkalic porphyritic intrusions. These syenitic intrusions stand out as magnetic highs on government aeromagnetic maps.

In 1985, Noranda discovered a 10 metre wide gold bearing shear/contact zone on the Tas property. Further exploration revealed an additional gold showing and several areas which are gold rather than copper-gold targets.

Gold discoveries on the Tas property led to the exploration and subsequent staking of the Hat property, which covers the northern edge of a similar aeromagnetic anomaly and geologic environment.

8. PROPERTY GEOLOGY

The property and surrounding area are underlain by the Upper Triassic and later Takla Group (Armstrong, 1948). The Takla group comprises metasedimentary and volcanic rocks. These are intruded by Upper Jurassic or Lower Cretaceous "Omineca Intrusions." A variety of intrusive types, including: granodiorite, diorite, granite, syenite, gabbro and pyroxenite are grouped into this unit. Elsewhere in Quesnel Trough, syenitic intrusions are assigned a Lower Jurassic age and represent intrusive equivalents of late Takla volcanism.

The grid area was mapped by geologist Leo Lindinger. He found that the area is predominantly underlain by metamorphosed sedimentary rocks of the Takla Group. Grey to black greywacke, mudstone and possible tuffaceous varieties were assigned to unit 6a, based on regional mapping by J.E. Armstrong of the G.S.C. A minor conglomerate component was assigned to unit 6b.

Bedding attitudes are difficult to determine within the grid area. Outcrops in the northern limit of exposure indicate a northerly to northwesterly strike with vertical dips. In the southeastern limit of exposure a moderate easterly dip and similar strike is observed.

Intrusive rocks found to date have been limited to dykes of medium to coarse grained gabbro. These occur near the western limit of the grid. Extensive alteration found on the west end of the grid suggests a possible larger intrusive body nearby.

Six alteration types were observed. These are: hornfelsing, bleaching, pyritization, quartz, carbonate replacement and chloritization. Each alteration type was assigned a numeric code which is appended to the unit symbol on the geology map.

An east-northeast trenching linear feature cuts across the centre of the grid approximately 100 metres north of the base line. This feature was first thought to be a fault or shear zone. However, no evidence to support this has been observed. A one metre wide quartz-carbonate altered shear, at the east end of the linear, strikes at 130° . Quartz-carbonate veining and stockwork were observed at two location within geochemical anomaly "A". Fragments of this material up to boulder size are also commonly observed in the glacial till in this area.

Sulphides observed in the area include pyrite, pyrrhotite and traces of chalcopyrite. Pyrite plus pyrrhotite can occur in concentrations up to 5%. The sulphides are believed to be secondary in origin and are closely associated with the other alteration types.

9. GEOCHEMISTRY

The Hat soil grid is located on the Hat Lake Claim, in an area where quartz-carbonate altered and sheared rocks of the Takla Group had been located during an earlier reconnaissance. Most of the grid lies in a logged clearing.

A flagged base-line was established at a bearing of 070° azimuth. Flagged cross-lines were run at 50 metre intervals using "hip-chain" and compass survey methods. Samples were taken at 50 metre intervals wherever possible. In total, 309 soil samples were collected on a grid having outside dimensions of 1,400 by 900 metres.

Samples of B horizon soils were collected whenever possible. In a few locations samples could not be taken because of outcrop or swampy conditions.

Samples were analyzed by Acme Analytical Laboratories Ltd. of Vancouver. The analysis included Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As and Au. The first 10 elements were analyzed by Inductively Coupled Argon Plasma (ICP) methods and are reported in PPM (Fe in %). Gold was analyzed by Atomic Absorption using a 10 gm sample. Gold results are reported in PPB and have a detection limit of 1 PPB.

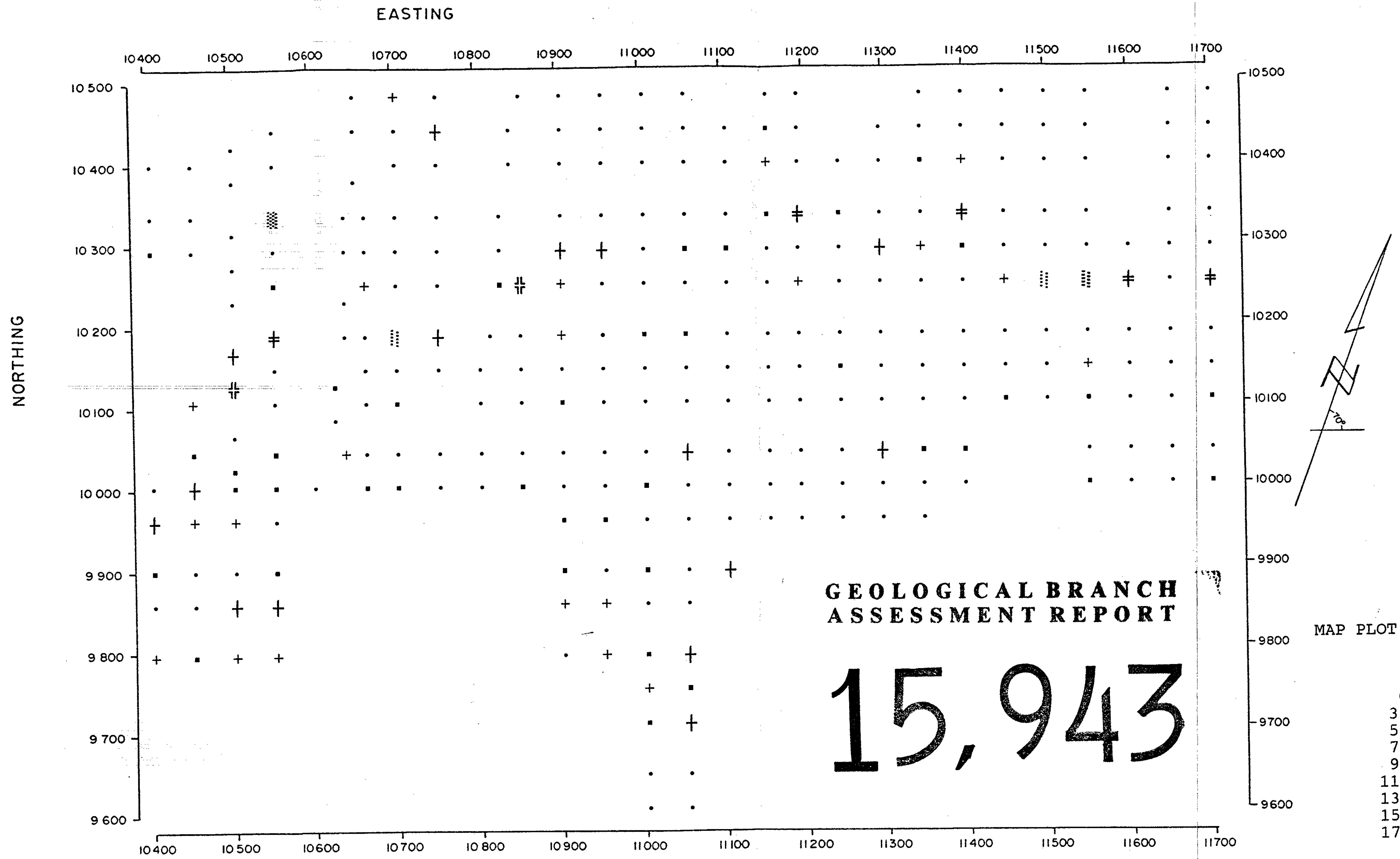
Sample certificates are appended to this report. Theoretical grid coordinates are used as sample numbers. The actual sample locations are shown on the maps which accompany this report.

A basic statistical analysis of the data was carried out. Basic statistics are reported in appendix D. Histograms and log-scale probability plots of the data are in appendix C. These graphs were used in conjunction with the statistical data to determine background and anomalous populations.

Two presentations of the geochemical data are included with this report. The first is a symbol plot for each element (figures 4 to 14). The second is a 1:2,500 scale value plot for Cu, Mo, Pb, Ag, As and Au (fig. 16).

The symbol plots are intended to give an overview of the distribution of anomalous analyses for each element. The first, and smallest symbol class in each case represents the writer's interpretation of the background population. Successive symbol class boundaries were chosen to best present the distribution of the anomalous values.

The second presentation (fig.16) shows the analyses for six of the elements at each sample site. Three anomalous areas are outlined on this map. These areas outline the highest groups of gold analyses. In most cases, the other elements define the same



GEOLOGICAL BRANCH
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15,943

MAP PLOT LEGEND FOR Cu PPM

Range	Symbols
0.0- 30.0	•
30.1- 50.0	▪
50.1- 70.0	+
70.1- 90.0	+
90.1-110.0	‡
110.1-130.0	╬
130.1-150.0	⁞
150.1-170.0	⁞
170.1-480.0	▒

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HAT CLAIM GROUP

Cu ANOMALIES

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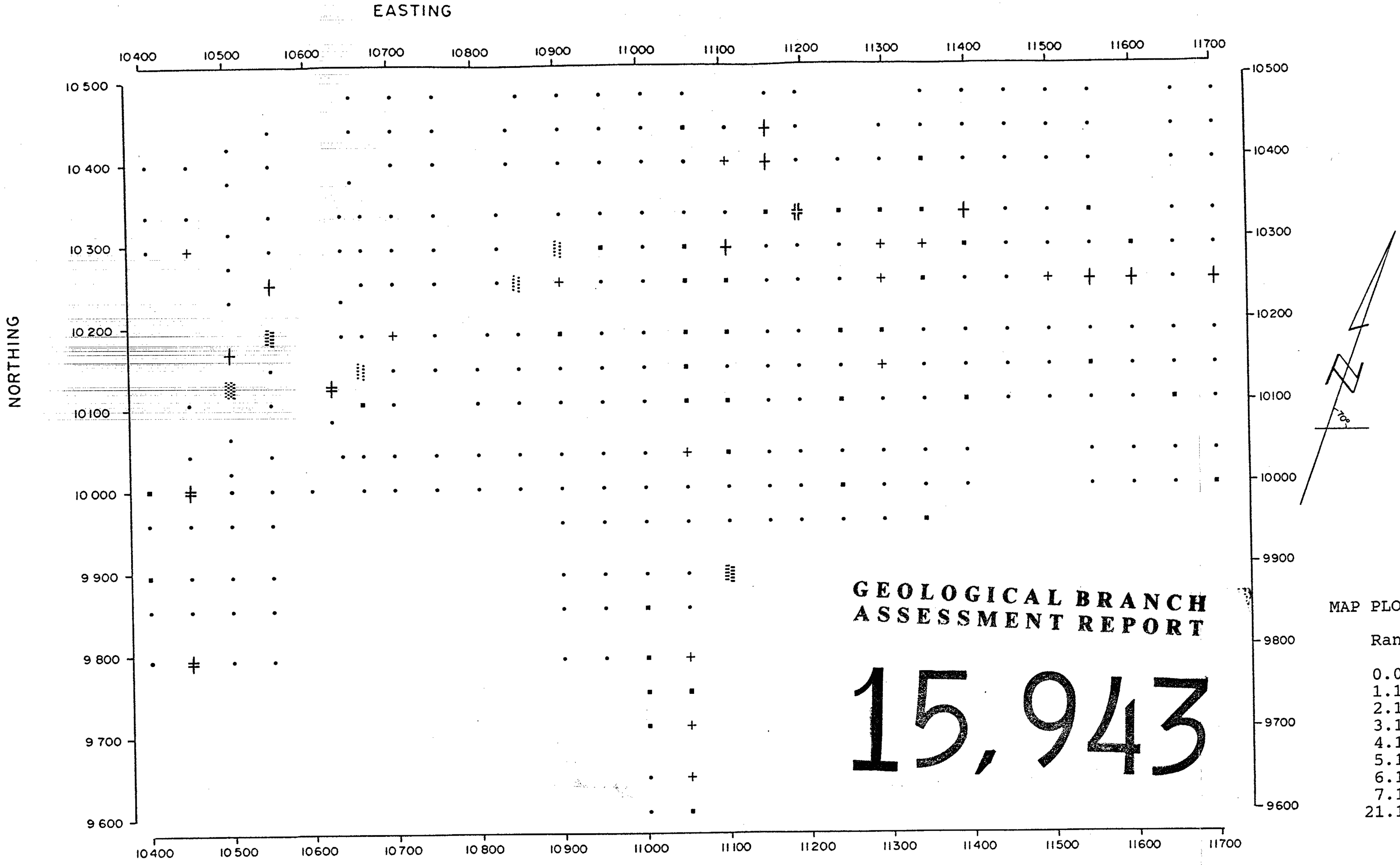
SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	4



MAP PLOT LEGEND FOR Mo PPM

Range	Symbols
0.0- 1.0	·
1.1- 2.0	▪
2.1- 3.0	+
3.1- 4.0	+ (large)
4.1- 5.0	╪
5.1- 6.0	╬
6.1- 7.0	⁞
7.1-21.0	≣
21.1-46.0	▒

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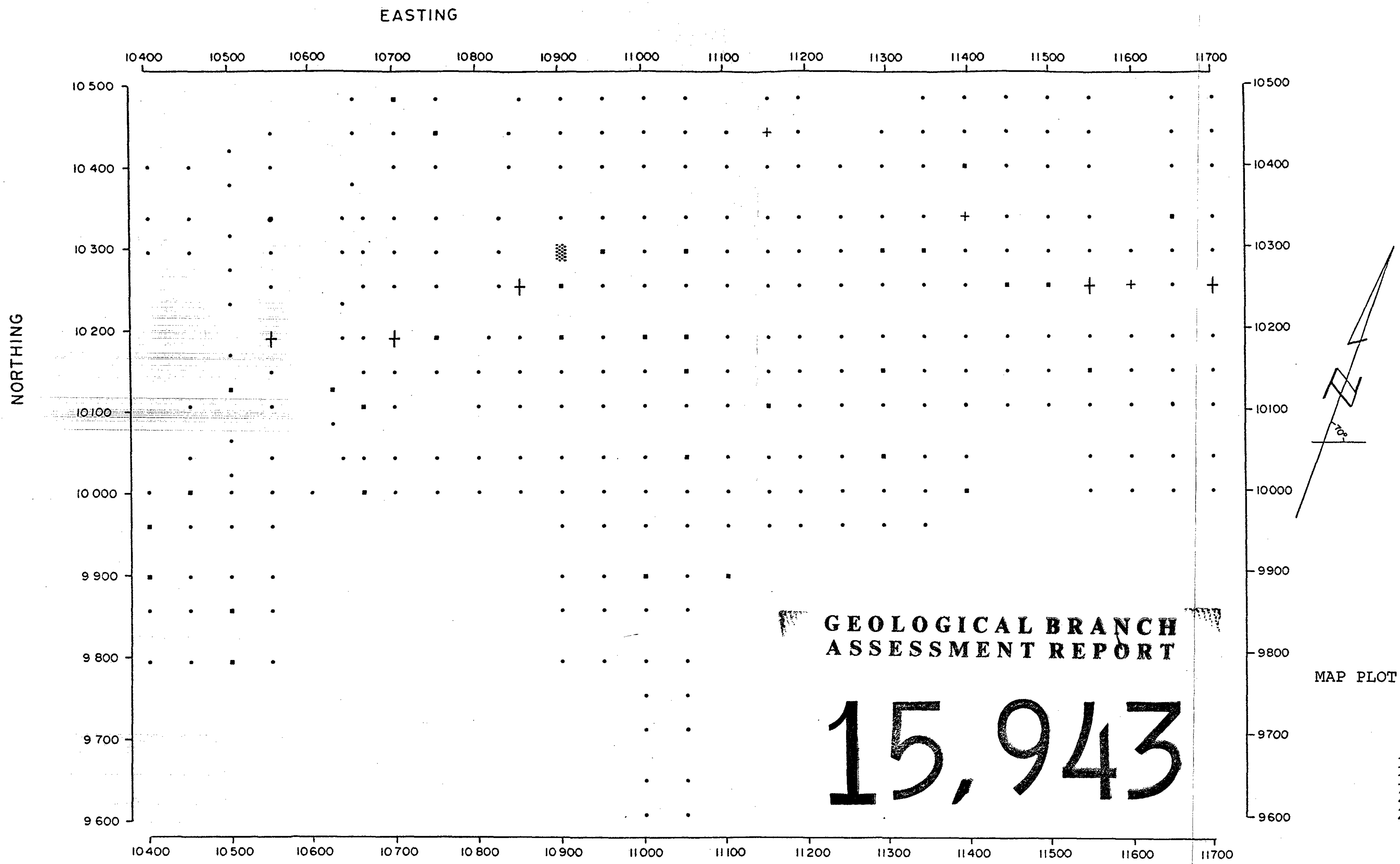
Mo ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	5



MAP PLOT LEGEND FOR Pb PPM

Range	Symbols
0 - 10	•
11 - 15	▪
16 - 20	+
21 - 25	✛
26 - 27	▩

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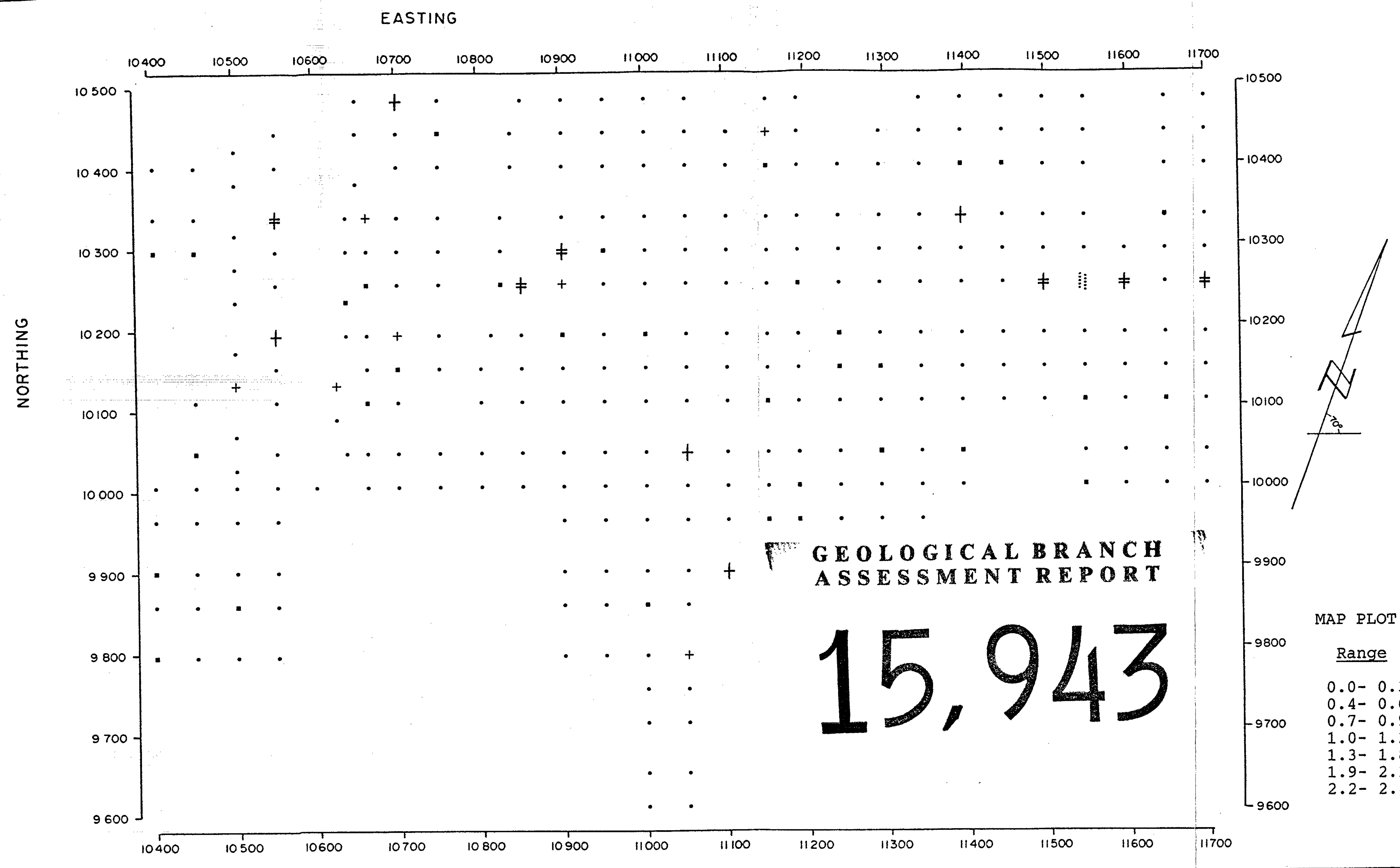
Pb ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. NO
1:5000	Jan. 1987	93K/16	6



MAP PLOT LEGEND FOR Ag PPM

Range	Symbols
0.0- 0.3	•
0.4- 0.6	■
0.7- 0.9	+
1.0- 1.2	+
1.3- 1.8	‡
1.9- 2.1	╬
2.2- 2.4	⁞

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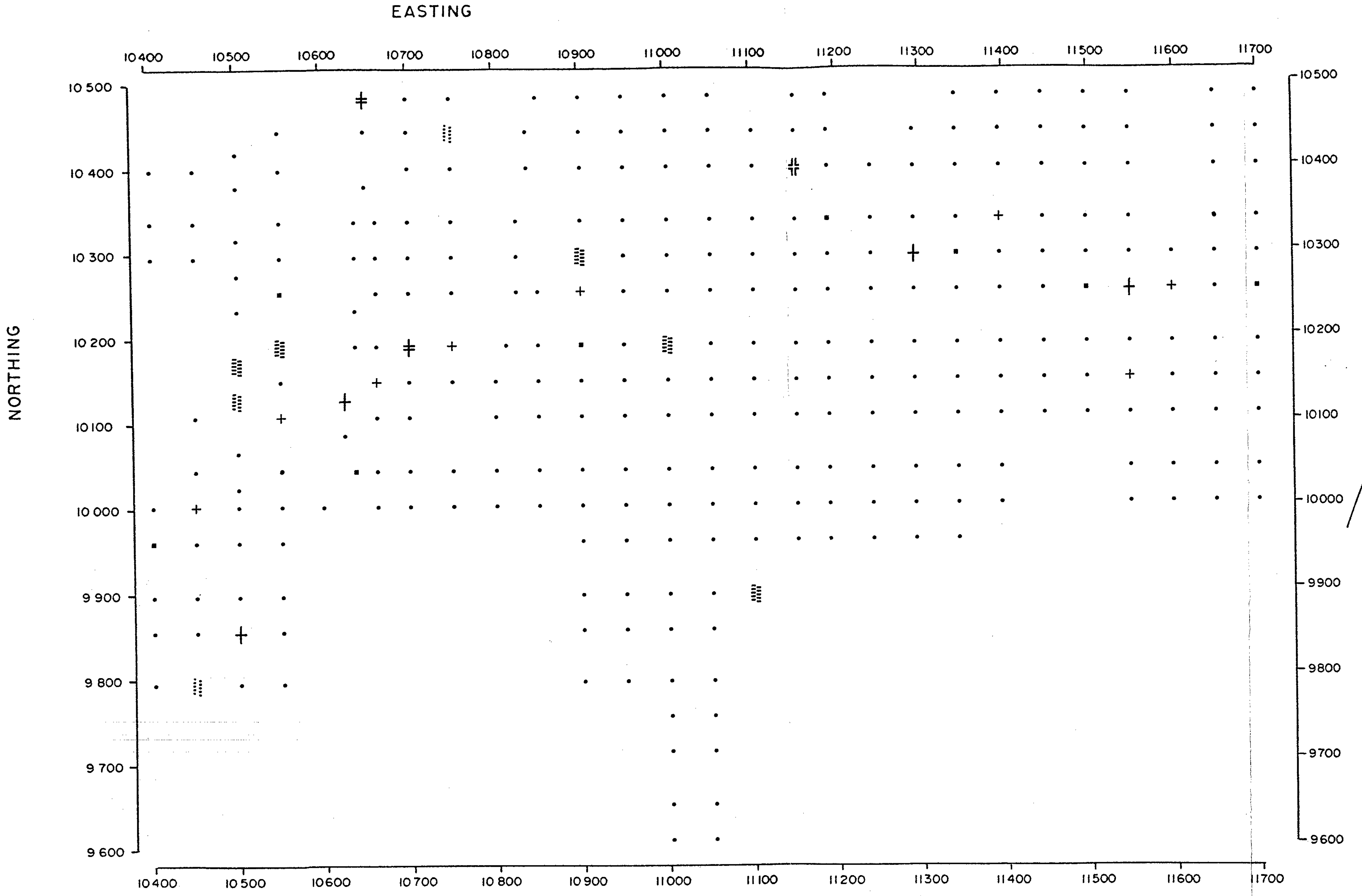
Ag ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	7



MAP PLOT LEGEND FOR As PPM

Range	Symbols
0.1- 15.0	•
15.1- 20.0	▪
20.1- 25.0	+
25.1- 30.0	+
30.1- 35.0	╪
35.1- 40.0	╬
40.1- 50.0	⁞
50.1- 80.0	⁞
80.1-843.0	⁞

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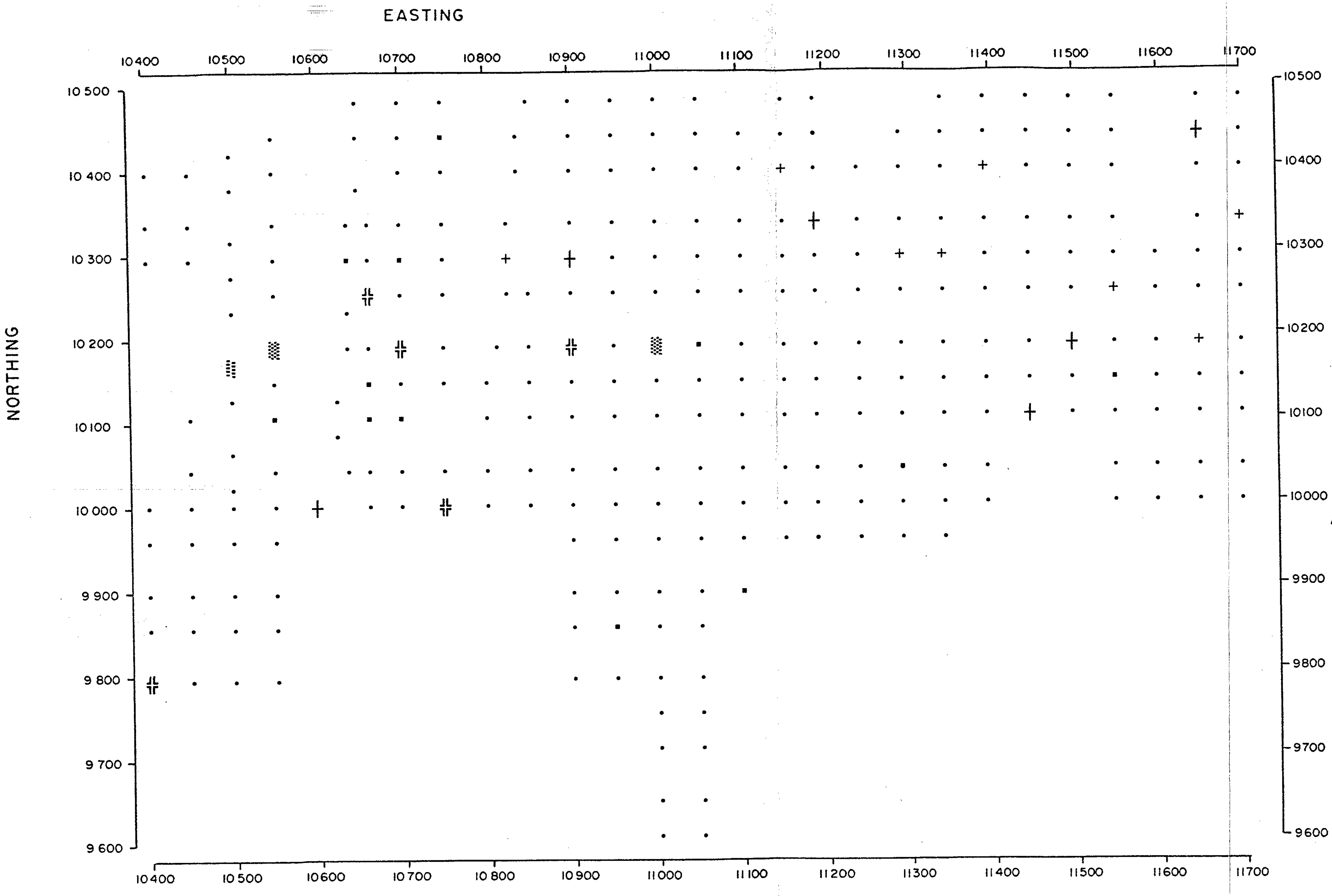
As ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	8



MAP PLOT LEGEND FOR Au PPB

Range	Symbols
1 - 4	•
5 - 6	▪
7 - 8	+
9 - 10	+
11 - 20	╬
21 - 50	▦
51 -100	▦
101 -200	▦

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Au ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
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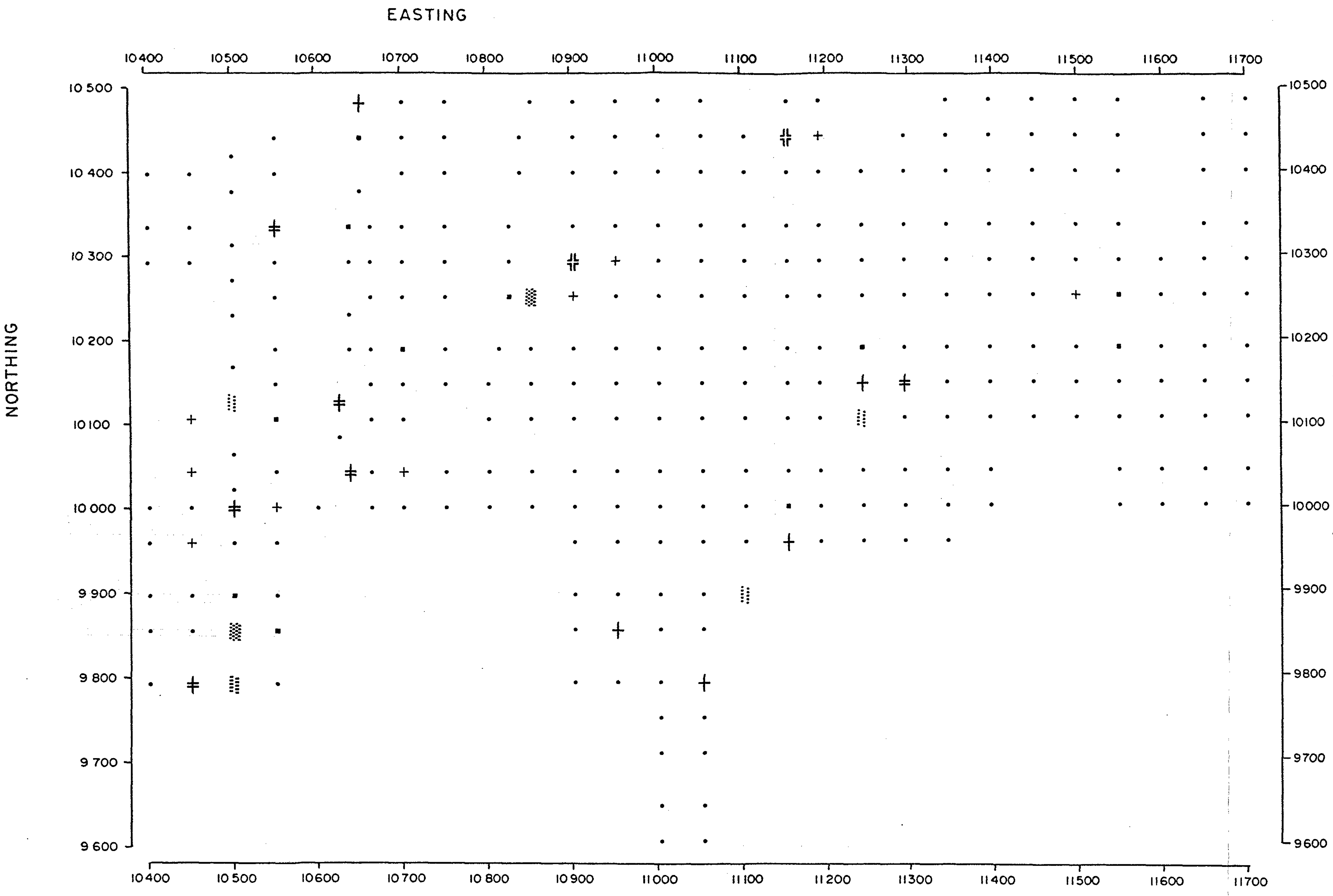

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MAP PLOT LEGEND FOR Zn PPM

Range	Symbols
0 - 150	•
151 - 180	▪
181 - 210	+
211 - 240	+
241 - 270	‡
271 - 300	╬
301 - 330	⁞
331 - 360	⁞
361 - 535	▒

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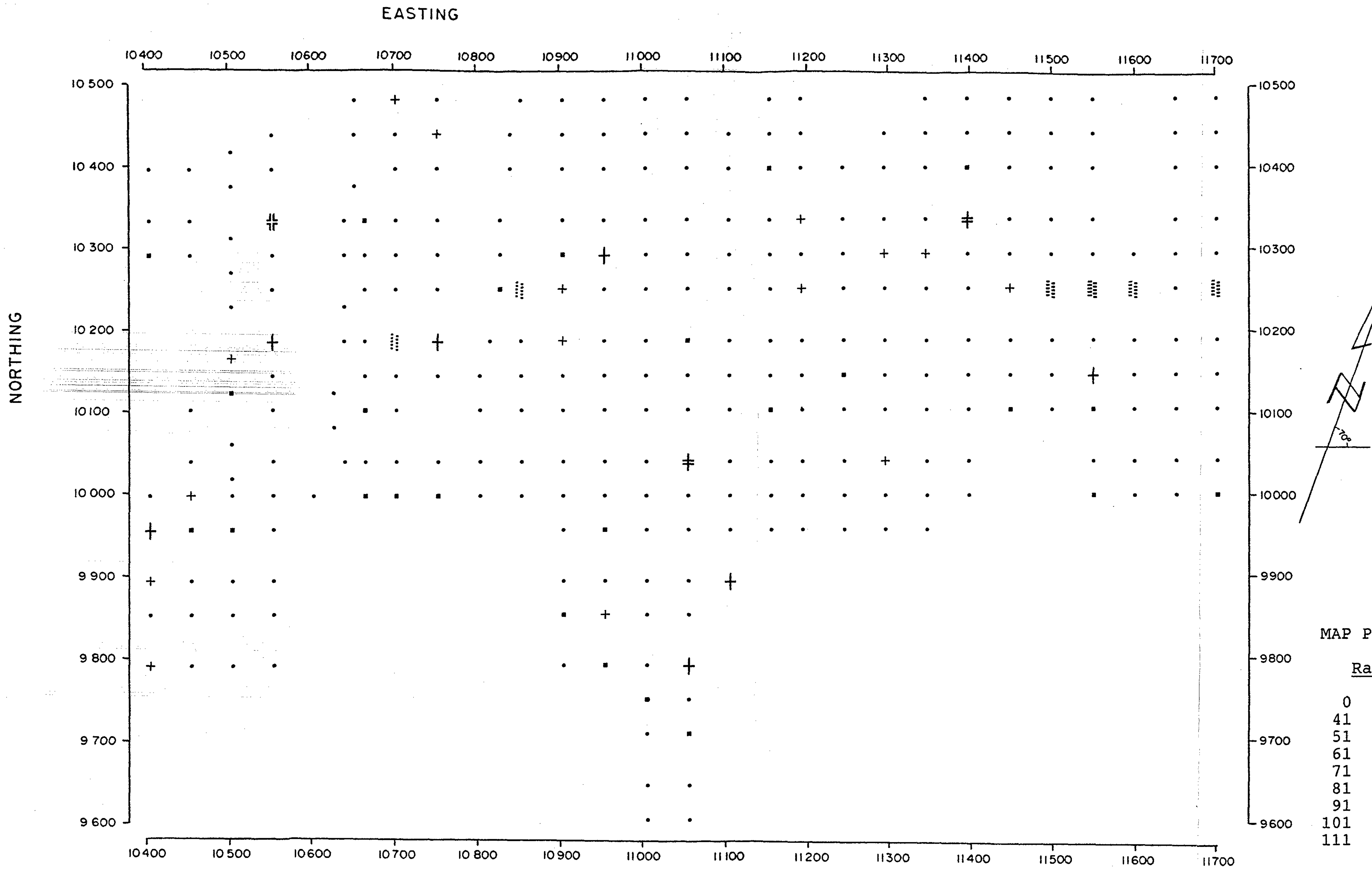
Zn ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	10



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ASSESSMENT REPORT

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MAP PLOT LEGEND FOR Ni PPM

Range	Symbols
0 - 40	•
41 - 50	▪
51 - 60	+
61 - 70	+
71 - 80	ǂ
81 - 90	ǂ
91 -100	⁞
101 -110	⁞
111 -161	⁞

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Ni ANOMALIES

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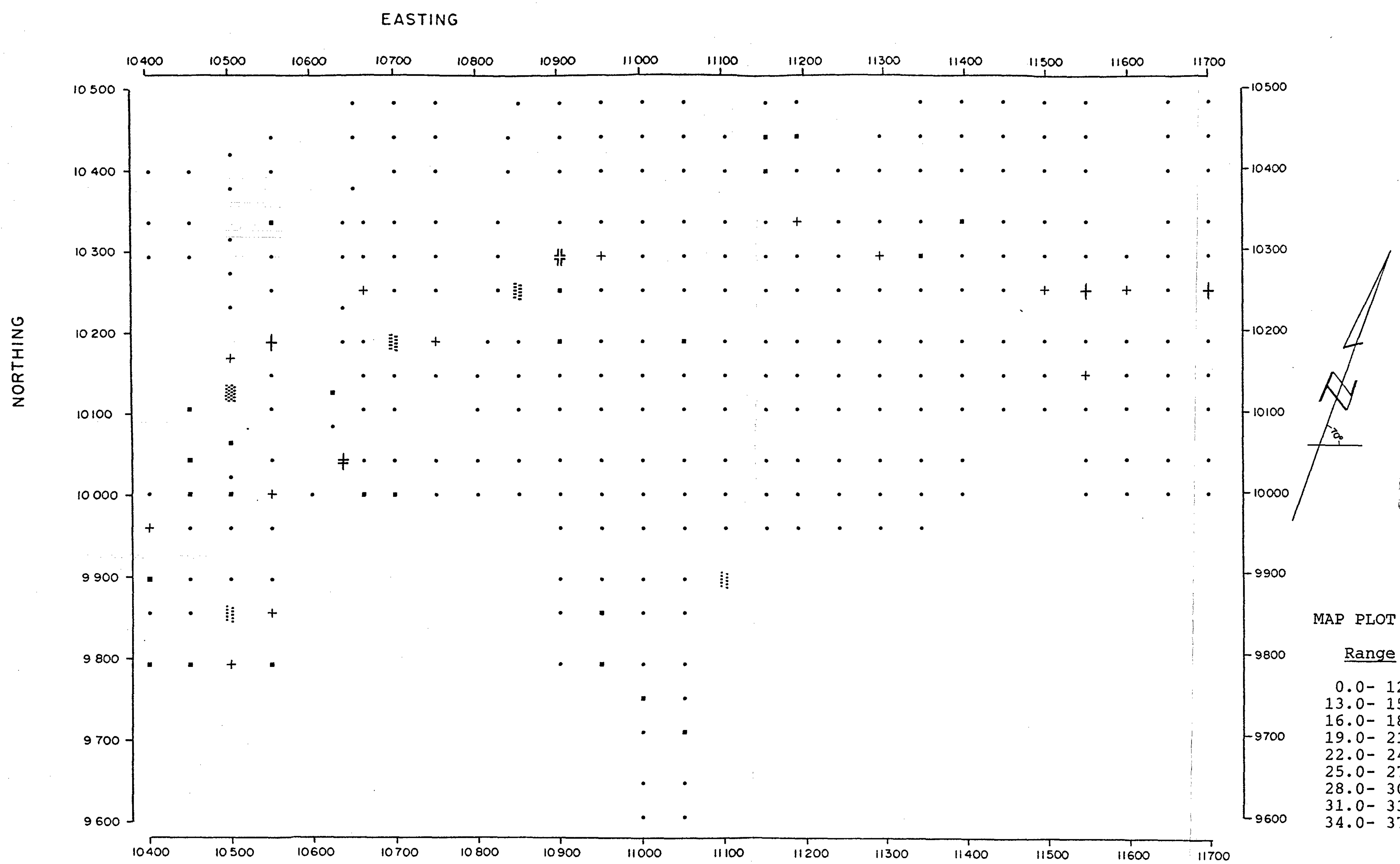
SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	11



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MAP PLOT LEGEND FOR Co PPM

Range	Symbols
0.0- 12.0	•
13.0- 15.0	▪
16.0- 18.0	+
19.0- 21.0	+
22.0- 24.0	ǂ
25.0- 27.0	╬
28.0- 30.0	⁞
31.0- 33.0	⁞
34.0- 37.0	▒

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HAT CLAIM GROUP

Co ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. №
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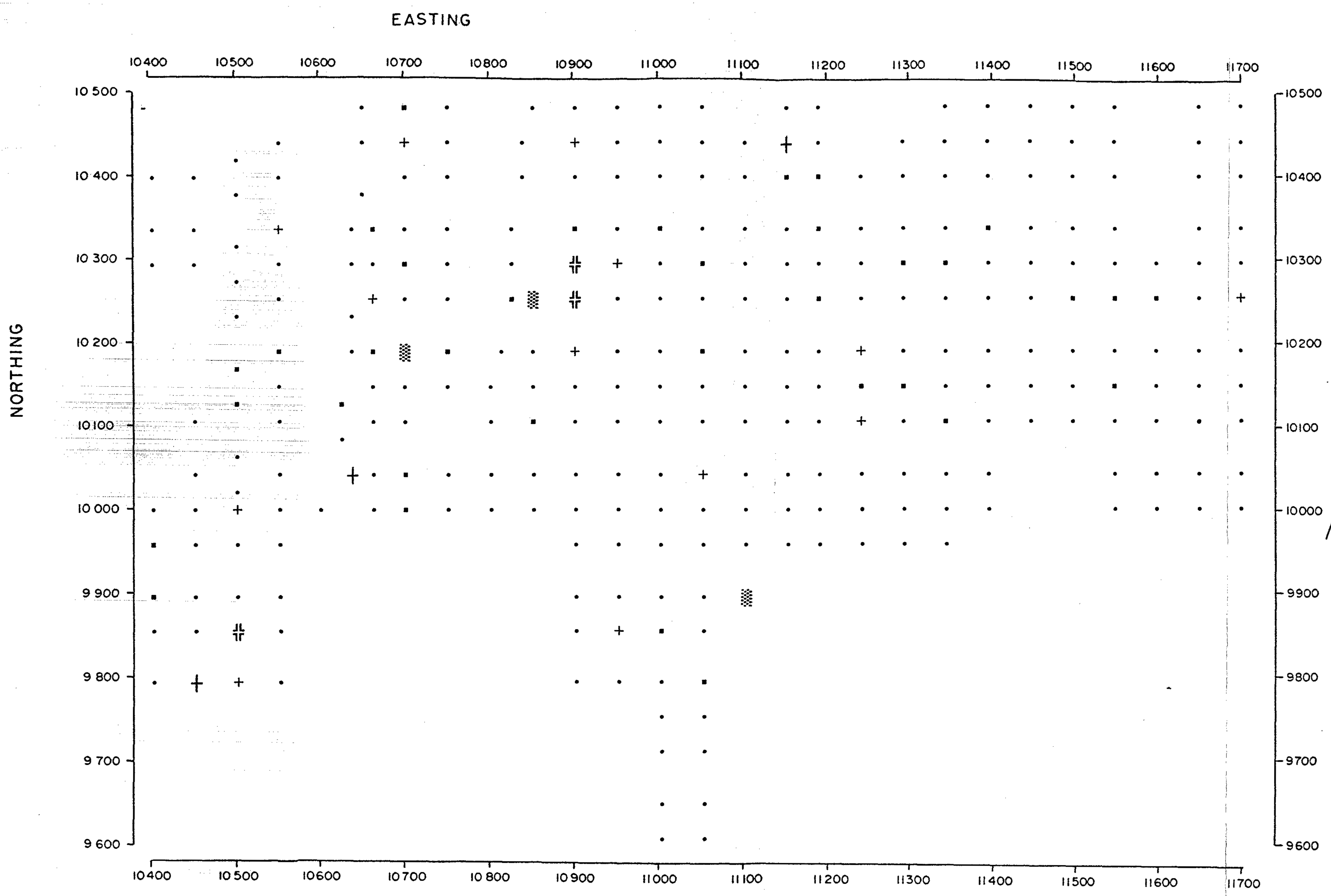

MAP PLOT LEGEND FOR Mn PPM

Range	Symbols
0 -800	•
801 -1300	▪
1301 -1800	+
1801 -2300	+
2301 -2800	╪
2801 -3300	╬
3301 -7700	▒

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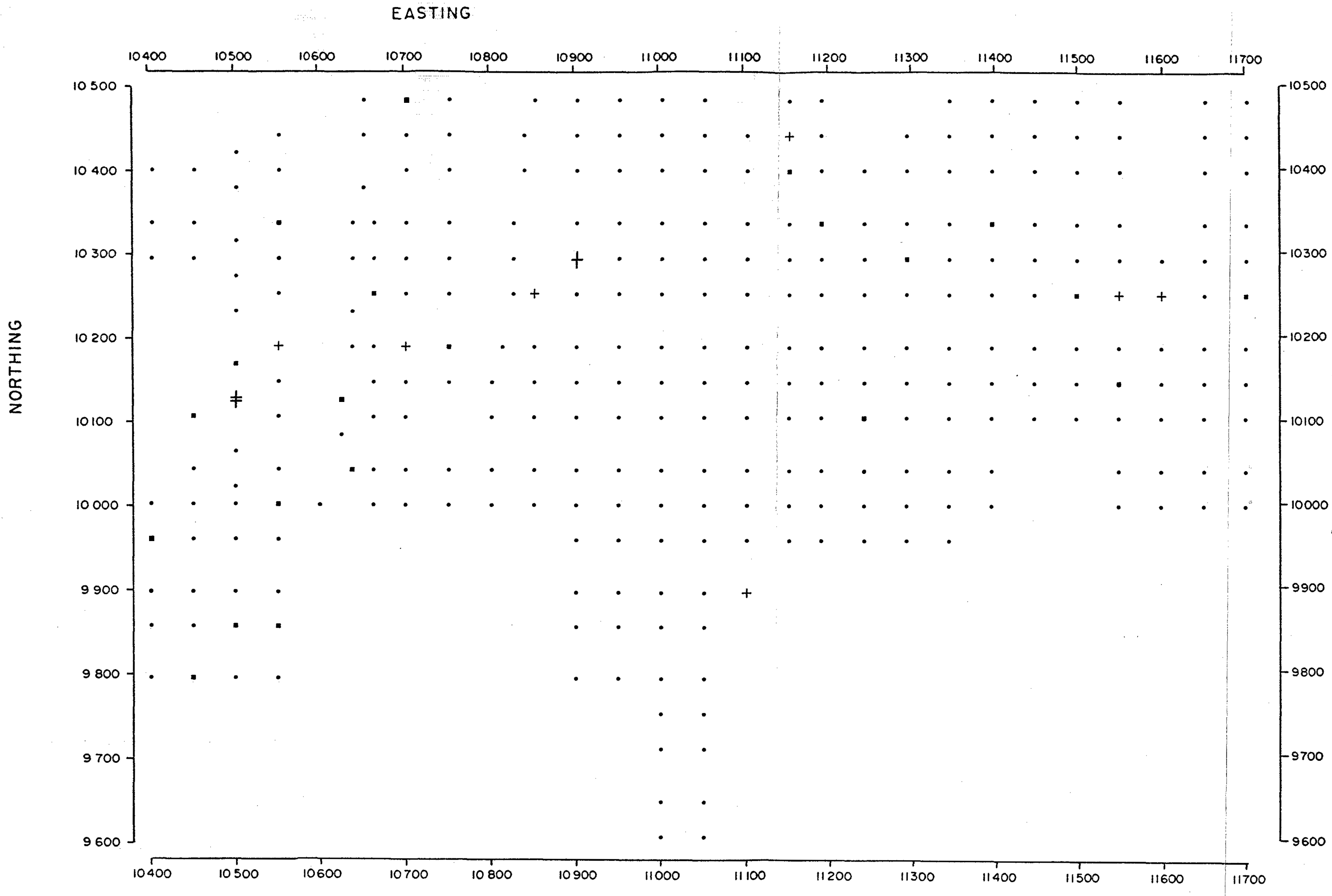
Mn ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	13



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MAP PLOT LEGEND FOR Fe %

Range	Symbols
0.00- 4.00	•
4.10- 6.00	▪
6.10- 8.00	+
8.10-10.00	‡
10.10-12.30	‡

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Fe ANOMALIES

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	DATE	NTS	FIG. Nº
1:5000	Jan. 1987	93K/16	14

target areas.

Anomaly "A" on the west side of the grid has a high of 145 PPB Au along with 82 PPB Au in an adjacent sample. This anomaly is open ended to the west where swampy conditions prevented further sampling.

Anomaly "B" includes the highest value of 190 PPB Au. Analyses ranging from 3 to 12 PPB Au, outline an area of approximately 250 by 100 metres.

Anomaly "C" at the east end of the grid is best defined by Ag, Ni, and Cu. Silver concentrations range from 0.1 to 2.2 PPM.

A contoured version of the gold geochemistry which is not included in this report, suggests that anomaly "A" and "B" may be related, but that anomaly "C" does not lie on the same glacial trend.

10. Conclusions

A grid geochemical soil survey has outlined three target areas on the Hat property. Anomalies "A" and "B" are interpreted as two near source anomalies which have combined dimensions of approximately 600 metres by 150 metres. Contoured versions of the geochemical data revealed an above background geochemical trend extending for a length of about 1.2 km in the direction of glacial ice movement. The northeastern, lower analyses are interpreted to be caused by down ice dispersion.

Anomaly "C" is primarily defined by moderate geochemical analyses along a line of samples totalling 250 metres in length and trending off the east end of the grid.

The three anomalous areas are outlined by all 10 element I.C.P. results and Au. Anomaly "C" responded relatively higher in Ag, Cu and Ni.

Anomalies "A" and "B" are coincident with pervasive alteration of the Takla Group. Alteration extends well beyond the present known intrusive contacts, suggesting the possibility of a nearby unknown intrusive body.

11. REFERENCES

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12. Statement of Expenditure

I) FIELD COSTS

1) Labour

U. Schmidt:	Aug. 28 1 day at $250/day	=	$ 250.00
L. Lindinger:	Aug. 23 - 28 6 days at $200/day	=	$ 1,200.00
D. MacDonald:	Aug. 23 - 28 6 days at $145/day	=	$ 870.00
M. Carson:	Aug. 23 - 28 6 days at $145/day	=	$ 870.00

2) Room & Board

$ 785.11

3) Transportation

2 wheel drive, 1 day at $25	= $ 25.00	
2 wheel drive, rental	= $ 295.00	
Fuel	= $ 131.85	
	$ 451.93	$ 451.93

4) Consumables and Field Supplies $ 235.05

5) Geochemical Analysis and Assay

309 soil/silt geochem at $9.70	= $3,020.25	
	38.75	
	16.00	
	$3,075.00	$ 3,075.00

II. OFFICE COSTS

1)	Data interpretation, plotting and report writing	
	U. Schmidt: 5 days at $250/day	$ 1,250.00
2)	Drafting	$ 500.00
3)	Map Reproduction & Photocopying & Communication	$ 352.36
	TOTAL	$ 9,839.45

13. ESTIMATE OF COST

Phase I

TRENCHING	$ 15,000
LINE CUTTING	$ 15,700
GEOLOGICAL MAPPING AND FIELD SUPERVISION	$ 11,300
GRID SOIL SAMPLING (50 X 100 m)	$ 56,000
MAGNETOMETER SURVEY	$ 14,300
VLF-EM SURVEY	$ 11,300
FIELD EQUIPMENT Purchase and Rental	$ 3,800
VEHICLE RENTAL	$ 4,500
Fuel	$ 1,500
ROOM & BOARD	$ 9,000
REPORT PREPARATION, DRAFTING AND REPRODUCTION	$ 5,600
PHASE I TOTAL	$144,400

Phase II

TRENCHING	$ 20,000
LINE CUTTING	$ 10,000
GEOLOGICAL MAPPING AND FIELD SUPERVISION	$ 10,000
GRID SOIL SAMPLING (50 X 50 m)	$ 37,000
MAGNETOMETER AND VLF-EM FOLLOW UP SURVEYS	$ 5,000
FIELD EQUIPMENT Purchase and Rental	$ 2,500
VEHICLE RENTAL	$ 3,000
Fuel	$ 800
ROOM & BOARD	$ 6,000
REPORT PREPARATION, DRAFTING AND REPRODUCTION	$ 3,800
PHASE II TOTAL	$ 98,100

PHASE III

DIAMOND DRILLING

2,000 ft. of BQ core @ $50/foot (mobilization, camp, consumables, bulldozer, and 10% contingency included)	$100,000
GEOLOGY AND FIELD SUPERVISION	$ 6,000
PHASE III TOTAL	$106,000
PHASE II TOTAL	$ 98,100
PHASE I TOTAL	$144,400
TOTAL PROGRAM	$348,500

APPENDIX A

STATEMENT OF QUALIFICATIONS

I,Uwe Schmidt ,of 656 Foresthill Place, Port Moody, B.C. do hereby declare:

(1) I am a consulting geologist and controlling shareholder of Northwest Geological Consulting Ltd.

(2) I am a 1971 graduate of the University of British Columbia with a B.Sc. degree in Geology.

(3) I am a Fellow of the Geological Association of Canada.

(4) I have practised my profession continuously since graduation.

(5) I have managed various mineral exploration projects in the Yukon Territory, B.C., and Ontario over the past 15 years.

(6) This report is based on my field examination of the property, and a study of available published and unpublished reports.

(7) I am a shareholder and director of Big Valley Resources Inc.

Uwe Schmidt,B.Sc.,F.G.A.C.

January 15, 1987
Port Moody, B.C

APPENDIX B

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: SEPT 17 1986
8[illegible] E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
P[illegible]NE 253-3158 DATA LINE 251-1011 DATE REPORT MAILED: Sept. 23/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 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.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
\- SAMPLE TYPE: SOILS -80MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P = Pulverized
ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

NORTHWEST GEOLOGICAL PROJECT-128 FILE# 86-2713 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
104+00E 104+00N	1	6	5	73	.1	13	4	119	1.38	2	1
104+00E 103+50N	1	9	2	68	.1	22	5	259	1.80	4	1
104+00E 103+00N	1	42	8	120	.6	50	8	499	2.40	2	4
104+00E 100+00N	2	22	6	91	.3	31	8	574	2.17	4	1
104+00E 98+00~~S~~N	1	66	10	98	.5	54	14	754	3.95	10	16
104+00E 98+50~~S~~N	1	19	5	86	.2	34	7	501	2.23	2	1
104+00E 99+00~~S~~N	2	43	13	95	.5	54	13	830	3.38	8	2
104+00E 99+50~~S~~N	1	78	14	122	.3	65	16	905	4.07	16	1
104+50E 104+00N	1	14	5	63	.1	32	7	223	2.09	2	1
104+50E 103+50N	1	11	4	57	.1	21	5	221	1.77	2	1
104+50E 103+00N P	3	25	6	37	.5	24	5	486	1.26	2	1
104+50E 101+00N	1	66	10	192	.1	40	13	522	4.08	14	1
104+50E 100+50N	1	34	10	198	.4	32	15	787	3.38	6	3
104+50E 100+00N	5	73	12	136	.3	57	14	590	3.72	25	1
104+50E 98+00~~S~~N	5	32	7	259	.3	24	15	1904	4.15	44	1
104+50E 98+50~~S~~N	1	23	6	103	.1	37	8	492	2.42	7	1
104+50E 99+00~~S~~N	1	18	4	116	.2	33	10	405	2.51	5	1
104+50E 99+50~~S~~N	1	57	8	181	.3	41	12	755	2.99	2	1
104+25N 105+00E ~~104+40N~~	1	25	8	65	.1	35	9	501	2.30	4	3
103+75N 105+00E ~~104+00N~~	1	10	5	75	.1	29	6	238	2.46	7	1
103+25N 105+00E 103+50N	1	6	5	50	.2	25	7	236	2.17	2	1
102+75N 105+00E ~~103+00N~~	1	4	3	29	.1	7	2	71	1.30	2	1
102+25N 105+00E ~~102+50N~~	1	12	6	67	.2	25	6	432	2.04	2	1
101+75N 105+00E ~~102+00N~~	4	86	8	118	.3	59	17	1091	4.31	134	82
101+25N 105+00E ~~101+50N~~	46	116	15	316	.9	46	37	1056	12.30	76	3
100+75N 105+00E ~~101+00N~~	1	30	8	117	.2	31	15	713	3.39	6	1
105+00E 100+50N +30N	1	37	6	101	.1	29	9	497	2.57	8	1
105+00E 100+00N	1	32	7	257	.2	24	15	1425	3.35	3	1
105+00E 98+00~~S~~N	1	51	11	358	.3	32	16	1439	3.14	4	2
105+00E 98+50~~S~~N	1	75	11	535	.4	39	29	2824	4.18	28	1
105+00E 99+00~~S~~N	1	15	5	178	.1	29	9	545	2.54	2	3
105+00E 99+50~~S~~N	1	58	7	93	.1	44	12	361	3.45	8	1
105+50E 104+40N	1	10	7	79	.1	21	6	307	2.13	2	2
105+50E 104+00N	1	9	4	50	.1	18	5	168	1.94	3	1
105+50E 103+50N	1	472	15	270	1.7	83	13	1447	4.49	9	1
105+50E 103+00N	1	14	8	126	.2	28	8	280	2.55	3	1
STD C/AU-S	20	58	39	135	7.1	69	28	1010	3.83	38	51

ACTUAL LOCATION	SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au† PPB
	105+50E 102+50N	4	47	7	121	.3	28	12	421	3.68	19	4
	105+50E 102+00N	20	102	21	120	1.0	65	21	952	6.08	110	145
	105+50E 101+50N	1	15	4	85	.3	32	8	337	2.39	3	2
	105+50E 101+00N	1	22	6	158	.2	27	12	484	3.14	25	6
	105+50E 100+50N	1	32	6	126	.3	37	11	375	3.12	15	1
	105+50E 100+00N	1	39	8	202	.3	16	16	574	4.18	3	1
	105+50E 98+00~~S~~N	1	65	8	131	.1	34	14	438	3.96	5	2
	105+50E 98+50~~S~~N	1	86	9	156	.2	29	17	618	4.09	5	1
	105+50E 99+00~~S~~N	1	37	9	101	.2	35	10	345	3.00	3	2
	105+50E 99+50~~S~~N	1	13	5	84	.2	19	8	504	2.09	2	1
106+50E 104+90N	106+50E 105+00N	1	23	10	222	.3	25	11	773	3.26	33	2
106+50E 104+40N	106+50E 104+50N	1	17	5	152	.3	18	8	603	2.46	4	1
106+40E 103+90N	106+50E 104+00N	1	8	6	70	.1	16	4	189	1.50	2	1
106+40E - 103+40N	106+50E 103+50N	1	17	9	156	.3	23	9	361	2.83	2	1
106+40E - 102+90N	106+50E 103+00N	1	8	5	88	.2	26	7	315	1.98	2	5
106+35E - 102+40N	106+50E 102+50N	1	9	3	90	.5	18	5	421	1.64	2	1
106+30E - 101+90N	106+50E 102+00N	1	9	5	142	.3	20	6	306	1.91	3	1
106+25E - 101+40N	106+50E 101+50N	5	46	12	245	.7	33	14	1012	4.24	27	1
106+20E - 100+90N	106+50E 101+00N	1	10	3	80	.2	14	7	453	1.49	2	1
106+10E - 100+40N	106+50E 100+50N	1	65	9	243	.3	29	23	1913	4.13	19	1
106+00E - 100+00N	106+50E 100+00N	1	29	8	91	.3	40	10	533	2.48	6	10
	106+60E 103+50N	1	24	7	111	.7	42	9	821	2.86	5	1
	106+60E 103+00N	1	10	4	72	.2	19	6	577	1.58	2	1
	106+60E 102+50N	1	53	7	121	.6	20	18	1465	4.48	3	12
	106+60E 102+00N	1	24	6	105	.2	26	8	1036	2.24	2	1
	106+60E 101+50N	7	25	5	92	.3	27	7	249	2.37	21	5
	106+60E 101+00N	2	55	11	101	.4	43	11	579	3.04	10	5
	106+60E 100+50N	1	8	4	86	.1	14	4	147	1.54	2	1
	106+60E 100+00N	1	47	12	85	.3	44	13	692	3.09	11	4
	107+00E 105+00N	1	52	11	111	1.0	60	11	909	4.05	7	2
	107+00E 104+50N	1	14	7	140	.1	17	9	1327	2.13	2	1
	107+00E 104+00N	1	17	7	74	.1	23	6	244	2.21	2	1
	107+00E 103+50N	1	14	6	92	.2	32	7	266	2.04	2	4
	107+00E 103+00N	1	14	7	132	.2	19	8	805	2.05	3	5
	107+00E 102+50N	1	16	5	69	.2	24	7	311	2.15	4	1
	107+00E 102+00N	3	145	24	157	.7	91	31	7097	6.19	35	17
	STD C/AU-S	22	60	43	139	7.2	71	29	1042	4.00	42	50

	SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
	107+00E 101+50N		1	15	7	138	.4	27	7	316	2.31	6	1
	107+00E 101+00N		1	31	9	109	.2	32	9	440	2.44	5	5
	107+00E 100+50N		1	27	7	190	.2	23	12	832	2.93	5	3
	107+00E 100+00N		1	43	9	84	.1	42	13	903	3.07	11	2
	107+50E 105+00N		1	13	6	98	.1	33	8	210	2.34	7	2
	107+50E 104+50N		1	77	11	97	.4	56	10	516	2.44	45	5
	107+50E 104+00N		1	11	6	139	.1	19	6	366	2.13	3	1
	107+50E 103+50N		1	3	3	46	.1	6	3	140	.92	2	1
	107+50E 103+00N		1	9	4	106	.2	18	5	554	1.72	2	1
	107+50E 102+50N		1	17	8	67	.1	35	8	330	2.44	8	1
	107+50E 102+00N		1	79	11	135	.2	63	16	823	4.20	24	1
	107+50E 101+50N		1	20	6	66	.1	26	6	294	1.99	3	1
	107+50E 100+50N		1	15	7	117	.1	16	9	513	2.17	4	1
	107+50E 100+00N		1	27	8	107	.2	41	10	604	2.60	9	11
108+50E - 105+00N	108+50E 105+00N		1	17	7	54	.1	26	7	294	2.17	3	1
108+40E - 104+50N	108+50E 104+50N		1	13	7	95	.1	22	7	496	2.06	3	1
[illegible]+35E - 104+00N	108+50E 104+00N		1	11	6	81	.1	18	4	304	1.55	4	1
108+30E - 103+50N	108+50E 103+50N		1	10	4	102	.2	24	6	375	1.93	3	1
108+25E - 103+00N	108+50E 103+00N		1	15	7	76	.1	23	7	267	2.33	3	7
108+20E - 102+50N	108+50E 102+50N		1	31	9	161	.6	48	10	1003	3.07	12	1
108+10E - 102+00N	108+50E 102+00N		1	11	5	89	.2	23	7	308	2.28	5	1
108+50E - 102+00N	108+50E 102+00NA		1	28	9	71	.2	40	7	349	2.65	9	1
108+05E - 101+50N	108+50E 101+50N		1	15	8	55	.1	23	6	275	1.95	6	3
108+50E - 101+50N	108+50E 101+50NA		1	13	7	79	.1	28	7	298	2.20	3	1
108+00E - 101+00N	108+50E 100+00N		1	29	6	97	.2	32	10	584	2.49	7	1
108+50E - 101+00N	108+50E 101+00NA	P	1	27	3	75	.2	16	4	1083	.75	2	1
108+50E - 100+50N	108+50E 100+50N		1	27	7	70	.1	31	6	316	2.16	7	2
108+50E - 100+50N	108+50E 100+50NA		1	29	7	68	.2	32	8	317	2.64	7	1
108+00E - 100+00N	108+50E 100+00N		1	15	4	58	.1	24	6	314	1.72	3	1
108+50E - 100+00N	108+50E 100+00NA		1	33	6	82	.1	37	11	518	2.69	10	1
	109+00E 105+00N		1	24	8	70	.1	24	8	406	2.52	3	1
	109+00E 104+50N	P	1	11	9	90	.2	14	9	1524	1.84	2	3
	109+00E 104+00N	P	1	14	2	21	.3	12	2	780	.53	2	1
	109+00E 103+50N	P	1	25	4	56	.3	17	4	990	.86	2	1
	109+00E 103+00N		7	81	27	271	1.5	47	25	2867	8.16	461	10
	109+00E 102+50N		3	57	13	185	.7	53	14	3126	3.76	24	3
	STD C/AU-S		20	60	40	139	7.1	69	29	1042	4.00	39	53

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
108+50E - 102+50N 109+00E 102+50NA	7	120	24	423	1.4	98	33	7696	6.92	10	1
109+00E 102+00N	2	69	15	137	.5	54	15	1652	4.00	16	12
109+00E 101+50N	1	16	6	73	.1	28	6	388	2.06	2	1
109+00E 101+00N P	1	39	5	99	.3	29	5	476	1.34	2	1
109+00E 100+50N	1	22	6	108	.1	26	7	585	2.22	7	1
109+00E 100+00N	1	20	6	81	.1	26	7	279	2.12	6	1
109+00E 98+00S N	1	13	6	140	.1	18	9	316	2.15	2	1
109+00E 98+50S N	1	62	6	96	.3	43	10	554	2.94	9	1
109+00E 99+00S N	1	40	9	91	.2	37	11	593	2.68	15	1
109+00E 99+50S N	1	41	9	86	.2	32	10	460	2.73	7	2
109+50E 105+00N	1	10	6	65	.1	20	5	311	1.67	6	1
109+50E 104+50N	1	27	9	59	.1	28	9	476	2.41	7	1
109+50E 104+00N	1	16	6	54	.1	28	7	300	2.13	5	1
109+50E 103+50N	1	18	7	99	.1	27	7	329	2.18	8	1
109+50E 103+00N	2	71	11	194	.5	66	18	1775	3.69	8	1
109+50E 102+50N	1	7	3	82	.1	16	5	725	1.36	2	1
109+50E 102+00N	1	25	8	148	.1	37	10	411	2.73	9	4
109+50E 101+50N	1	11	6	63	.1	15	6	295	1.54	5	3
109+50E 101+00N	1	16	5	77	.2	23	7	468	1.90	4	1
109+50E 100+50N	1	23	6	66	.1	29	7	247	2.29	5	1
109+50E 100+00N	1	25	8	80	.2	30	7	282	2.40	7	1
109+50E 98+00S N	1	58	10	99	.2	48	14	738	3.61	11	1
109+50E 98+50S N	1	59	10	217	.3	51	15	1669	3.46	15	6
109+50E 99+00S N	1	20	6	77	.1	25	9	412	2.57	4	1
109+50E 99+50S N	1	41	7	78	.2	43	9	321	2.95	8	3
110+00E 105+00N	1	23	8	59	.1	32	8	422	2.37	8	1
110+00E 104+50N	1	11	6	66	.1	22	5	247	1.80	4	1
110+00E 104+00N	1	12	5	72	.1	23	6	251	1.86	3	1
110+00E 103+50N	1	20	6	144	.2	21	9	1176	2.37	5	1
110+00E 103+00N	1	14	5	112	.3	27	7	353	2.11	7	1
110+00E 102+50N	1	27	8	55	.1	39	10	372	2.82	9	3
110+00E 102+00N	1	31	12	124	.4	32	10	677	3.31	169	190
110+00E 101+50N	1	20	6	73	.1	33	7	287	2.23	4	2
110+00E 101+00N	1	14	6	67	.1	24	6	247	2.00	5	1
110+00E 100+50N	1	21	5	89	.1	28	9	587	2.33	5	1
110+00E 100+00N	1	41	7	89	.1	38	12	704	2.88	8	2
STD C/AU-S	20	60	37	140	7.1	73	29	1052	3.98	40	52

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
110+00E 96+00S N	1	19	5	141	.1	28	8	317	2.44	3	1
110+00E 96+50S N	1	16	5	83	.1	22	7	229	2.17	2	1
110+00E 97+00S N	2	38	5	80	.2	36	9	332	3.05	9	1
110+00E 97+50S N	2	58	9	98	.2	46	14	710	3.49	8	1
110+00E 98+00S N	2	34	6	92	.2	35	9	522	2.71	8	1
110+00E 98+50S N	2	27	8	131	.5	28	9	985	2.01	2	1
[110+00E 99+50N] 110+00E ~~100+50S~~ N	1	22	6	78	.1	26	8	293	2.20	6	1
[110+00E 99+00N] 110+00E ~~101+00S~~ N	1	41	11	91	.3	39	11	688	2.74	7	1
110+50E 105+00N	1	22	6	57	.1	31	7	374	2.35	2	1
110+50E 104+50N	2	14	6	77	.1	28	6	271	2.04	3	1
110+50E 104+00N	1	29	7	53	.2	32	7	255	2.27	2	1
110+50E 103+50N	1	6	5	60	.2	11	4	212	1.34	2	1
110+50E 103+00N	2	42	11	120	.3	37	11	967	2.60	4	1
110+50E 102+50N	2	17	7	85	.1	28	8	394	2.34	5	4
110+50E 102+00N	2	34	12	126	.3	50	15	1234	3.44	12	5
110+50E 101+50N	2	30	11	62	.1	36	10	463	2.64	11	1
110+50E 101+00N	2	15	9	69	.1	24	6	258	2.07	2	1
110+50E 100+50N	3	87	12	101	1.0	71	12	1521	3.78	14	1
110+50E 100+00N P	1	25	5	65	.2	28	8	391	2.24	5	1
110+50E 96+00S N	2	25	8	98	.2	26	8	397	2.37	8	1
110+50E 96+50S N	3	18	8	83	.2	24	9	365	2.67	6	1
110+50E 97+00S N	3	71	9	109	.3	45	15	739	3.89	12	1
110+50E 97+50S N	2	45	7	75	.2	38	11	528	3.10	10	2
110+50E 98+00S N	3	86	9	219	.7	62	11	1022	2.88	6	1
110+50E 98+50S N	1	16	4	93	.1	29	6	361	1.99	4	1
[110+50E - 99+50N] 110+50E ~~100+50S~~ N	1	22	5	79	.1	29	8	278	2.44	6	1
[110+50E - 99+00N] 110+50E ~~101+00S~~ N	1	12	5	117	.1	24	6	229	2.23	4	1
111+00E 104+50N	1	18	6	76	.2	26	7	487	2.20	7	1
111+00E 104+00N	3	27	7	63	.1	27	8	380	2.40	3	2
111+00E 103+50N	1	7	5	52	.1	14	4	135	1.68	3	1
111+00E 103+00N	4	35	10	98	.3	33	10	488	2.76	7	2
111+00E 102+50N	2	18	6	136	.1	29	9	572	2.42	9	1
111+00E 102+00N	2	29	9	95	.3	35	9	501	2.74	11	1
111+00E 101+50N	1	11	4	57	.2	20	5	347	1.55	3	1
111+00E 101+00N	2	18	7	78	.2	34	8	299	2.37	5	1
111+00E 100+50N	2	16	6	82	.2	29	8	221	2.70	8	1
STD C/AU-S	22	60	40	136	7.0	69	29	1025	3.98	39	50

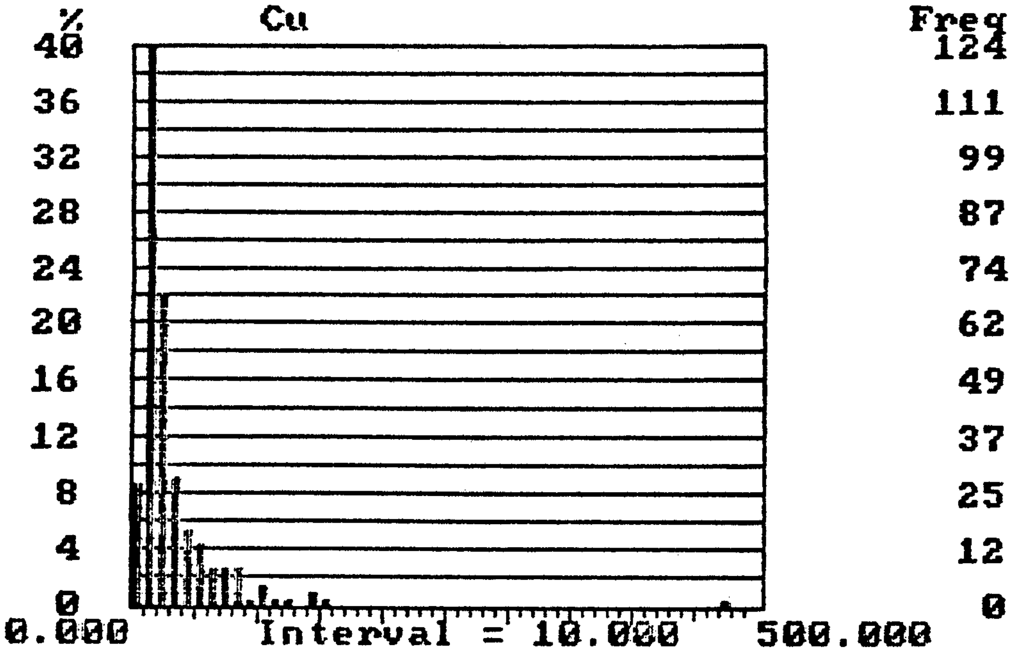
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
111+00E 100+00N	1	16	5	89	.2	21	8	684	1.92	5	1
111+00E ~~100+50S~~ (111+00E - 99+50N)	1	19	8	83	.2	29	9	505	2.56	2	1
111+00E ~~101+00S~~ (111+00E - 99+00N)	11	86	14	304	1.0	63	29	6184	6.34	843	5
111+50E 105+00N	1	5	6	64	.1	11	4	366	1.48	2	1
111+50E 104+50N	4	41	18	286	.8	33	15	1942	6.57	2	1
111+50E 104+00N	4	58	10	144	.4	44	15	1073	4.31	36	7
111+50E 103+50N	2	50	7	89	.2	38	12	683	3.02	10	2
111+50E 103+00N	1	20	5	82	.2	32	8	406	2.30	2	1
111+50E 102+50N	1	29	8	91	.2	38	9	472	2.67	7	3
111+50E 102+00N	1	13	4	83	.1	23	5	270	1.89	2	1
111+50E 101+50N	1	14	4	103	.1	26	6	243	2.01	4	1
111+50E 101+00N	1	29	11	108	.5	44	10	517	2.92	4	1
111+50E 100+50N	1	10	5	81	.2	18	6	369	1.98	4	1
111+50E 100+00N	1	20	7	178	.3	39	10	391	3.12	5	1
111+50E 99+50~~S~~N	1	22	7	233	.4	35	11	527	3.10	3	1
112+00E 105+00N	1	7	2	60	.1	15	5	719	1.55	3	1
112+00E 104+50N	1	28	9	197	.3	34	14	581	3.10	9	1
112+00E 104+00N	1	13	7	93	.1	17	7	902	2.23	3	1
112+00E 103+50N	6	107	10	126	.3	59	17	955	4.55	17	10
112+00E 103+00N	1	21	7	92	.2	30	8	498	2.36	3	1
112+00E 102+50N	1	61	7	87	.6	55	12	1043	3.20	6	4
112+00E 102+00N	1	10	5	99	.2	21	5	192	1.99	2	1
112+00E 101+50N	1	13	5	96	.2	27	6	208	2.28	2	1
112+00E 101+00N	1	14	5	133	.3	26	7	316	2.33	7	1
112+00E 100+50N	1	29	7	92	.3	28	8	431	2.56	5	1
112+00E 100+00N	1	16	5	130	.4	29	8	333	2.50	4	1
112+00E 99+50~~S~~N	1	26	5	127	.6	35	8	636	2.71	2	1
112+50E 104+00N	1	13	3	58	.1	17	5	192	1.75	2	3
112+50E 103+50N	2	32	7	91	.2	31	8	488	2.52	8	1
112+50E 103+00N	1	18	6	90	.2	30	8	474	2.47	3	1
112+50E 102+50N	1	19	7	66	.1	33	9	372	2.74	8	2
112+50E 102+00N	2	24	8	172	.5	30	12	1650	3.38	6	1
112+50E 101+50N	1	33	8	215	.4	42	10	913	3.21	8	1
112+50E 101+00N	2	26	10	319	.3	26	12	1501	4.93	3	1
112+50E 100+50N	1	11	6	90	.1	23	7	310	2.75	2	1
112+50E 100+00N	2	24	7	87	.2	31	9	513	2.62	5	1
STD C/AU-S	22	59	39	138	7.2	70	29	1037	3.98	39	50

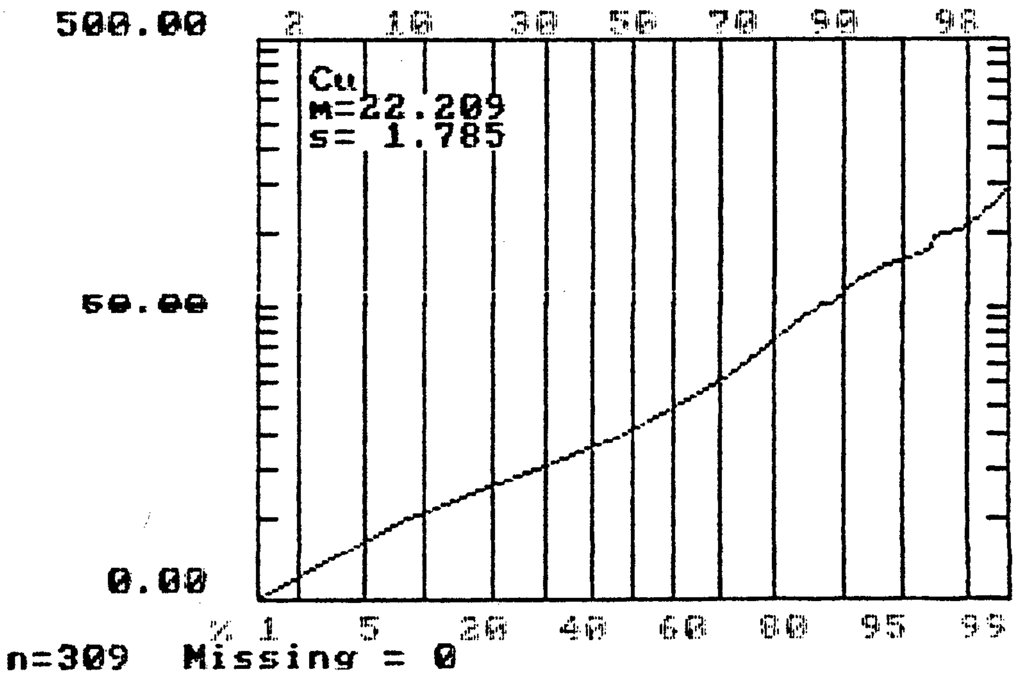
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
112+50E 99+50ØN	1	13	5	115	.2	22	8	368	2.00	4	1
113+00E 104+50N	1	18	4	56	.1	28	7	342	2.20	6	2
113+00E 104+00N	1	12	8	106	.3	19	6	228	1.89	4	1
113+00E 103+50N	2	14	9	140	.2	21	9	500	2.05	7	1
113+00E 103+00N	3	85	11	116	.1	60	16	942	4.05	26	7
113+00E 102+50N	3	17	7	77	.1	25	8	301	2.79	12	1
113+00E 102+00N	2	13	8	80	.3	25	7	397	2.69	5	1
113+00E 101+50N	3	24	11	249	.5	35	12	1048	3.72	15	2
113+00E 101+00N	1	15	9	103	.1	26	6	227	2.58	8	1
113+00E 100+50N	1	83	11	64	.6	53	7	193	2.08	5	6
113+00E 100+00N	1	19	6	78	.1	28	8	314	2.25	7	1
113+00E 99+50ØN	1	24	6	74	.1	32	9	343	2.64	10	1
113+50E 105+00N	1	9	7	67	.1	20	5	218	1.71	5	1
113+50E 104+50N	1	11	3	53	.1	25	6	204	1.91	4	2
113+50E 104+00N	2	37	7	89	.3	32	9	383	2.69	8	1
113+50E 103+50N	2	28	9	77	.1	29	8	331	2.48	9	2
113+50E 103+00N	3	67	11	114	.3	56	14	839	3.72	20	7
113+50E 102+50N	2	21	8	101	.1	30	8	293	2.41	8	1
113+50E 102+00N	1	16	7	109	.1	26	8	479	2.27	7	1
113+50E 101+50N	1	11	6	84	.2	19	7	534	1.69	4	1
113+50E 101+00N	1	11	6	99	.1	22	7	1039	1.85	6	1
113+50E 100+50N	1	31	4	44	.3	28	5	465	1.87	8	1
113+50E 100+00N	1	15	9	86	.2	21	7	245	2.31	5	2
113+50E 99+50Ø N	2	25	7	67	.2	34	9	330	2.86	12	1
114+00E 105+00N	1	12	6	53	.1	22	5	191	1.97	3	1
114+00E 104+50N	1	15	8	54	.1	28	6	259	2.13	6	2
114+00E 104+00N	1	54	11	85	.5	45	11	563	2.90	12	8
114+00E 103+50N	4	92	17	96	1.2	78	15	1159	4.89	24	1
114+00E 103+00N	2	34	8	93	.2	33	9	368	2.71	11	1
114+00E 102+50N	1	21	7	137	.2	30	8	634	2.31	7	2
114+00E 102+00N	1	16	8	115	.1	28	7	327	2.36	9	1
114+00E 101+50N	1	11	9	99	.2	21	6	382	1.81	3	1
114+00E 101+00N	2	20	9	66	.2	31	7	318	2.36	5	1
114+00E 100+50N	1	38	8	73	.4	30	6	174	1.34	2	3
114+00E 100+00N	1	22	12	61	.1	32	10	245	2.94	8	1
114+50E 105+00N	1	8	7	48	.1	16	5	198	1.57	2	1
STD C/AU-S	21	61	41	141	7.2	71	29	1058	3.98	40	50

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au† PPB
114+50E 104+50N	1	12	7	67	.1	26	6	230	1.98	5	2
114+50E 104+00N	1	30	9	92	.4	36	10	238	2.16	2	1
114+50E 103+50N	1	16	7	108	.3	31	7	367	2.14	3	3
114+50E 103+00N	1	16	7	83	.2	35	8	273	2.59	5	1
114+50E 102+50N	1	52	12	97	.3	51	12	648	3.35	12	4
114+50E 102+00N	1	7	4	89	.1	15	5	402	1.33	2	3
114+50E 101+50N	1	17	6	108	.2	37	8	580	2.35	6	1
114+50E 101+00N	1	31	5	89	.2	42	8	502	2.59	7	9
115+00E 105+00N	1	12	3	61	.1	19	6	363	1.54	4	2
115+00E 104+50N	1	6	5	54	.1	15	4	161	1.37	2	1
115+00E 104+00N	1	15	5	98	.1	28	8	415	2.13	3	1
115+00E 103+50N	1	22	6	80	.3	35	7	299	2.48	9	1
115+00E 103+00N	1	15	3	75	.1	21	6	241	1.85	3	1
115+00E 102+50N	3	144	12	190	1.6	109	16	1057	4.90	20	3
115+00E 102+00N	1	15	5	129	.2	34	8	542	2.27	2	10
115+00E 101+50N	1	15	5	66	.1	33	6	268	2.21	7	1
115+00E 101+00N	1	11	6	55	.1	23	5	246	1.59	2	1
115+50E 105+00N	1	10	3	64	.1	18	4	241	1.66	4	1
115+50E 104+50N	1	9	6	87	.2	22	5	262	1.79	4	1
115+50E 104+00N	1	17	5	116	.2	31	9	628	2.37	7	1
115+50E 103+50N	2	14	4	104	.1	21	6	360	1.98	4	1
115+50E 103+00N	1	16	6	81	.1	25	6	225	2.17	8	2
115+50E 102+50N	4	157	21	174	2.2	161	20	1266	7.62	26	8
115+50E 102+00N	1	25	8	158	.2	39	10	623	2.70	9	2
115+50E 101+50N	2	70	13	118	.2	65	16	880	4.09	23	5
115+50E 101+00N P	1	49	3	24	.4	42	5	53	1.68	5	1
115+50E 100+50N	1	13	6	71	.1	23	6	274	1.96	8	1
115+50E 100+00N	1	45	8	70	.4	44	9	604	2.87	7	1
116+00E 103+00N	2	16	5	104	.1	24	6	234	2.25	11	1
116+00E 102+50N P	4	106	17	138	1.8	101	17	1275	6.48	21	4
116+00E 102+00N	1	15	3	76	.1	31	6	320	2.15	6	1
116+00E 101+50N	1	10	6	73	.1	20	7	735	1.89	3	2
116+00E 101+00N	1	16	5	86	.1	24	7	560	2.02	9	2
116+00E 100+50N	1	16	2	122	.3	21	9	676	2.35	7	1
116+00E 100+00N	1	24	4	73	.3	33	8	355	2.27	6	1
116+50E 105+00N	1	11	5	66	.3	20	5	252	1.69	5	2
STD C/AU-S	22	60	38	140	7.3	71	29	1049	3.98	42	48

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au* PPB
116+50E 104+50N	1	11	8	57	.1	20	5	251	2.03	3	10
116+50E 104+00N	1	12	7	68	.1	21	5	239	1.81	2	1
116+50E 103+50N	1	17	12	111	.4	30	9	769	2.53	4	2
116+50E 103+00N	1	11	7	82	.1	18	5	219	1.73	6	1
116+50E 102+50N	1	7	8	83	.2	15	4	210	1.44	4	1
116+50E 102+00N	1	17	9	74	.1	27	6	277	2.11	2	8
116+50E 101+50N	1	15	4	73	.2	30	7	236	2.40	2	1
116+50E 101+00N P	2	12	3	12	.4	11	1	58	.33	2	1
116+50E 100+50N	1	21	6	68	.2	27	7	317	2.02	3	2
116+50E 100+00N	1	10	5	95	.3	18	5	172	1.76	2	2
117+00E 105+00N	1	13	7	69	.2	23	6	309	2.13	3	1
117+00E 104+50N	1	8	5	64	.1	15	6	408	1.63	2	2
117+00E 104+00N	1	20	8	100	.2	30	8	662	2.41	6	1
117+00E 103+50N	1	18	6	79	.3	26	6	271	2.18	5	7
117+00E 103+00N	1	7	7	82	.3	14	6	429	1.70	2	1
117+00E 102+50N	4	109	22	150	1.7	107	19	1684	5.83	18	2
117+00E 102+00N	1	22	9	91	.3	31	8	438	2.62	3	1
117+00E 101+50N	1	10	7	115	.3	26	7	539	2.03	3	1
117+00E 101+00N	1	35	5	85	.3	32	9	503	2.27	10	2
117+00E 100+50N	1	21	9	86	.3	29	9	475	2.16	5	1
117+00E 100+00N	2	36	8	114	.3	43	10	530	3.08	6	2
STD C/AU-S	21	60	42	141	7.1	72	30	1057	3.98	38	52

APPENDIX C





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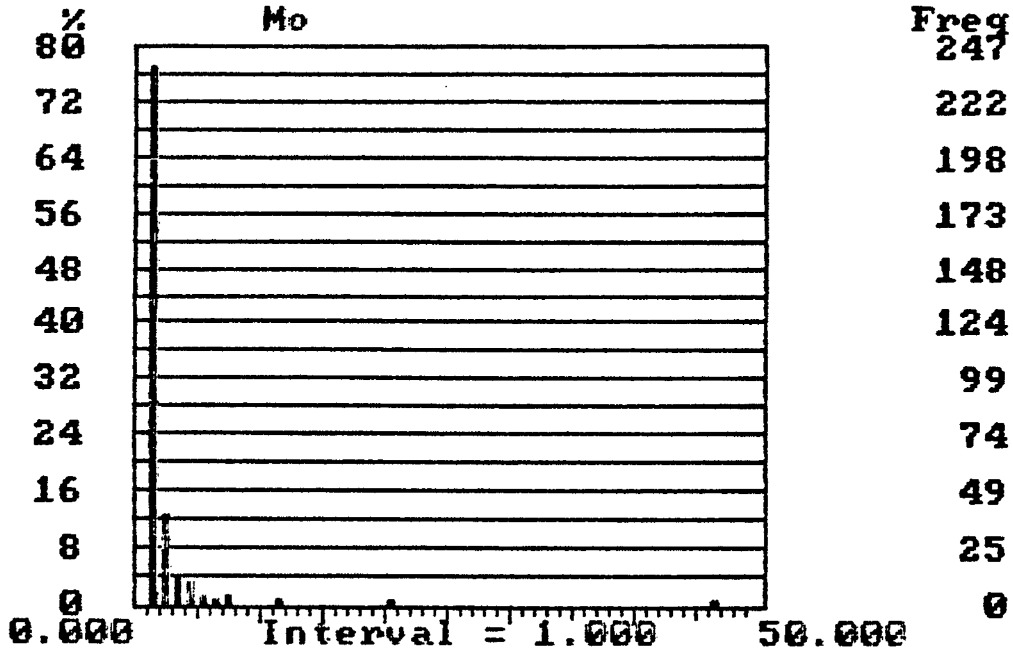
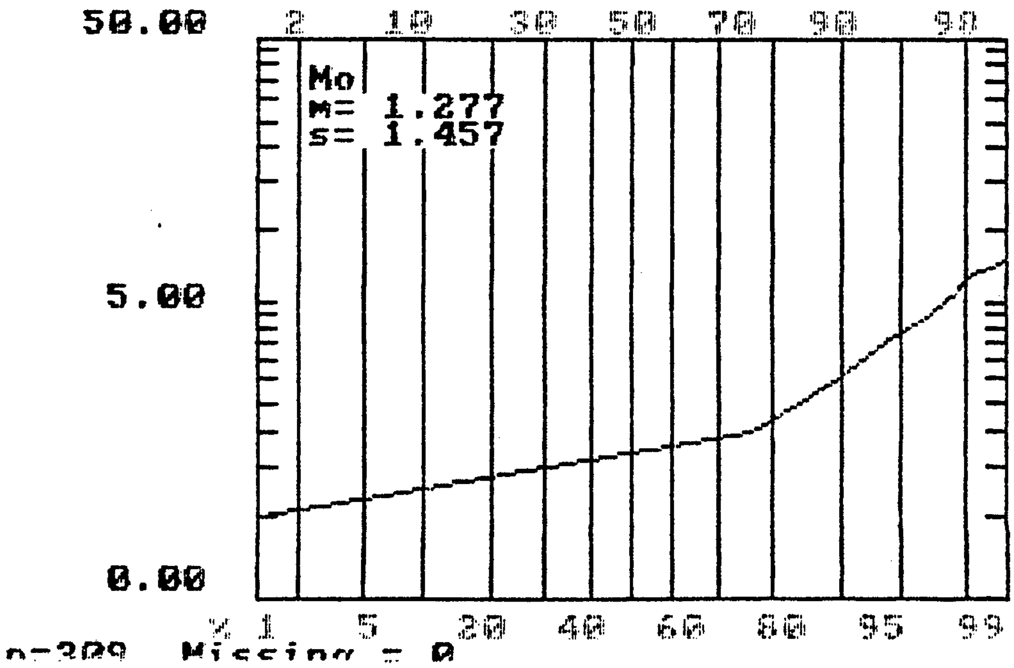
	Jan. 87	93K/16	





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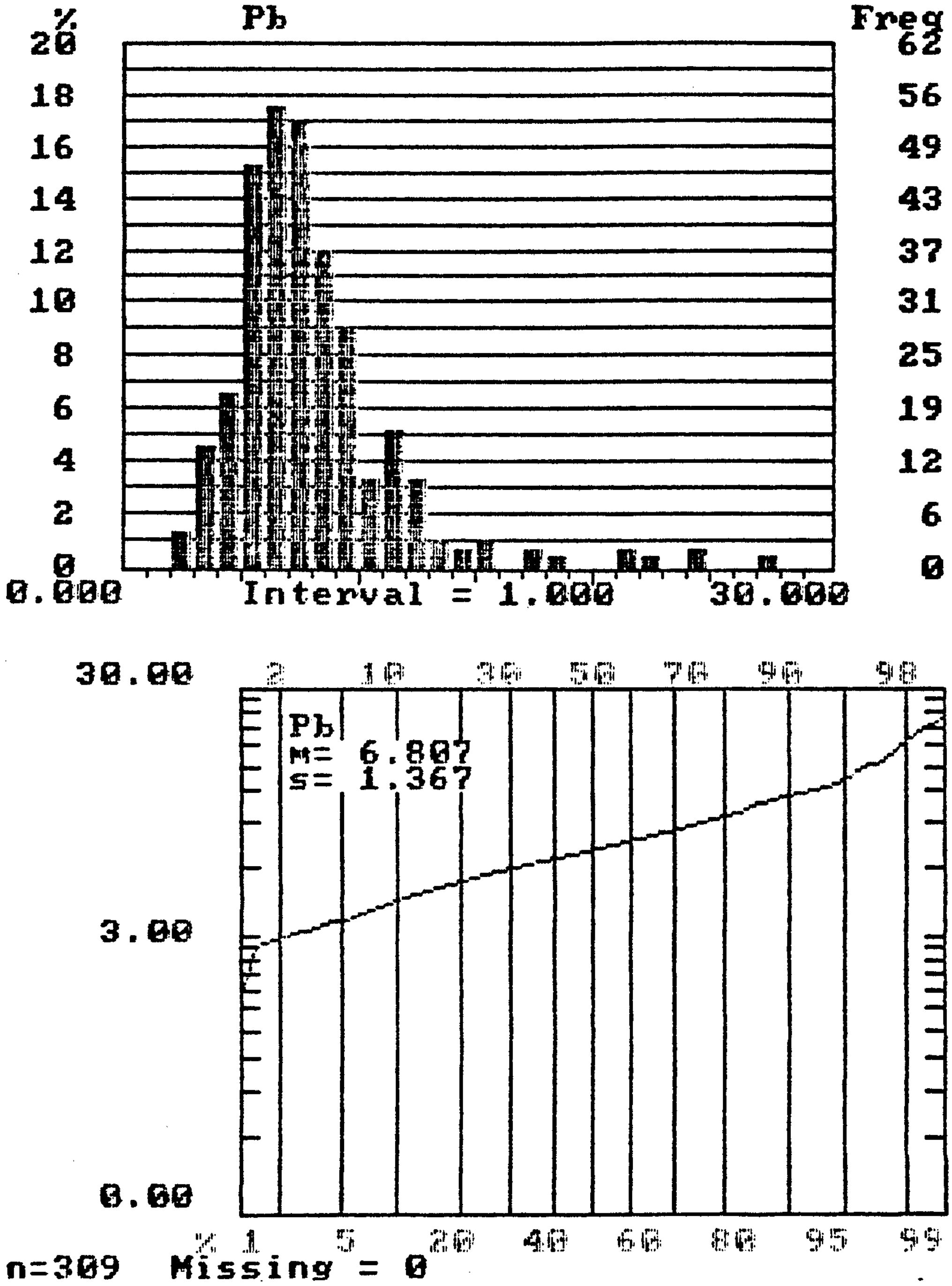

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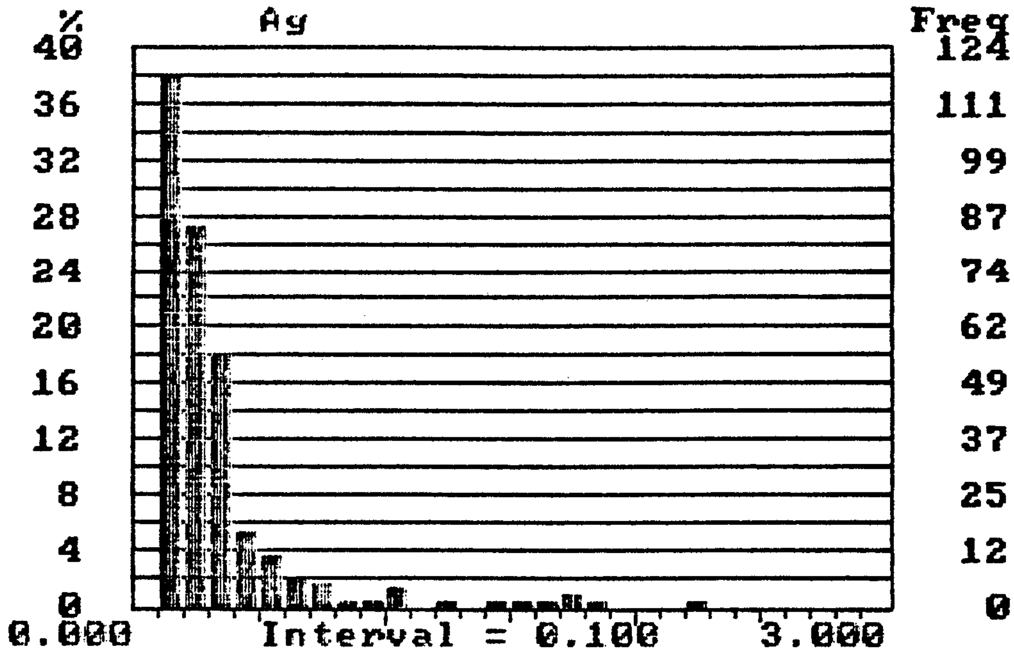

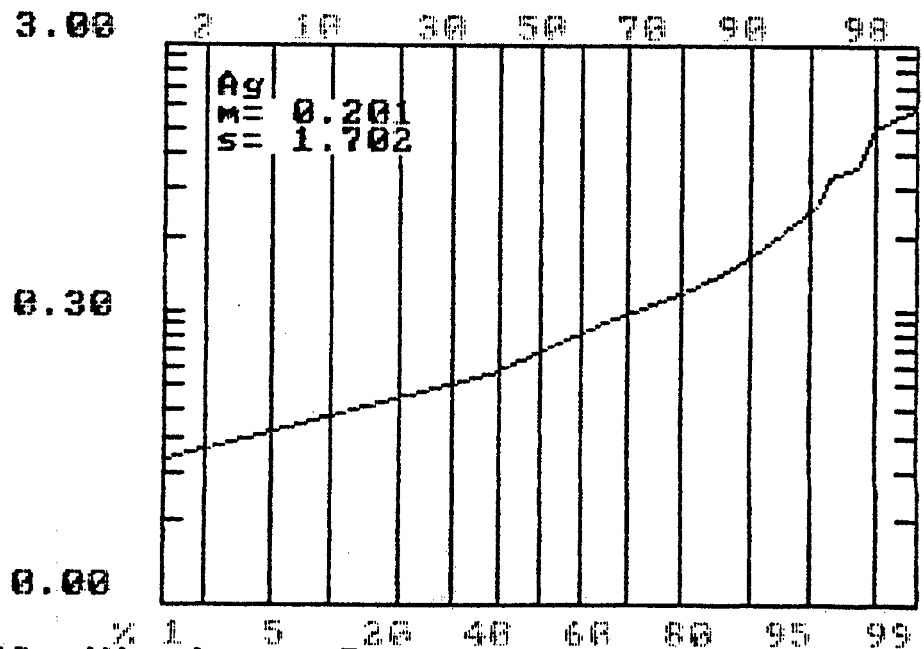

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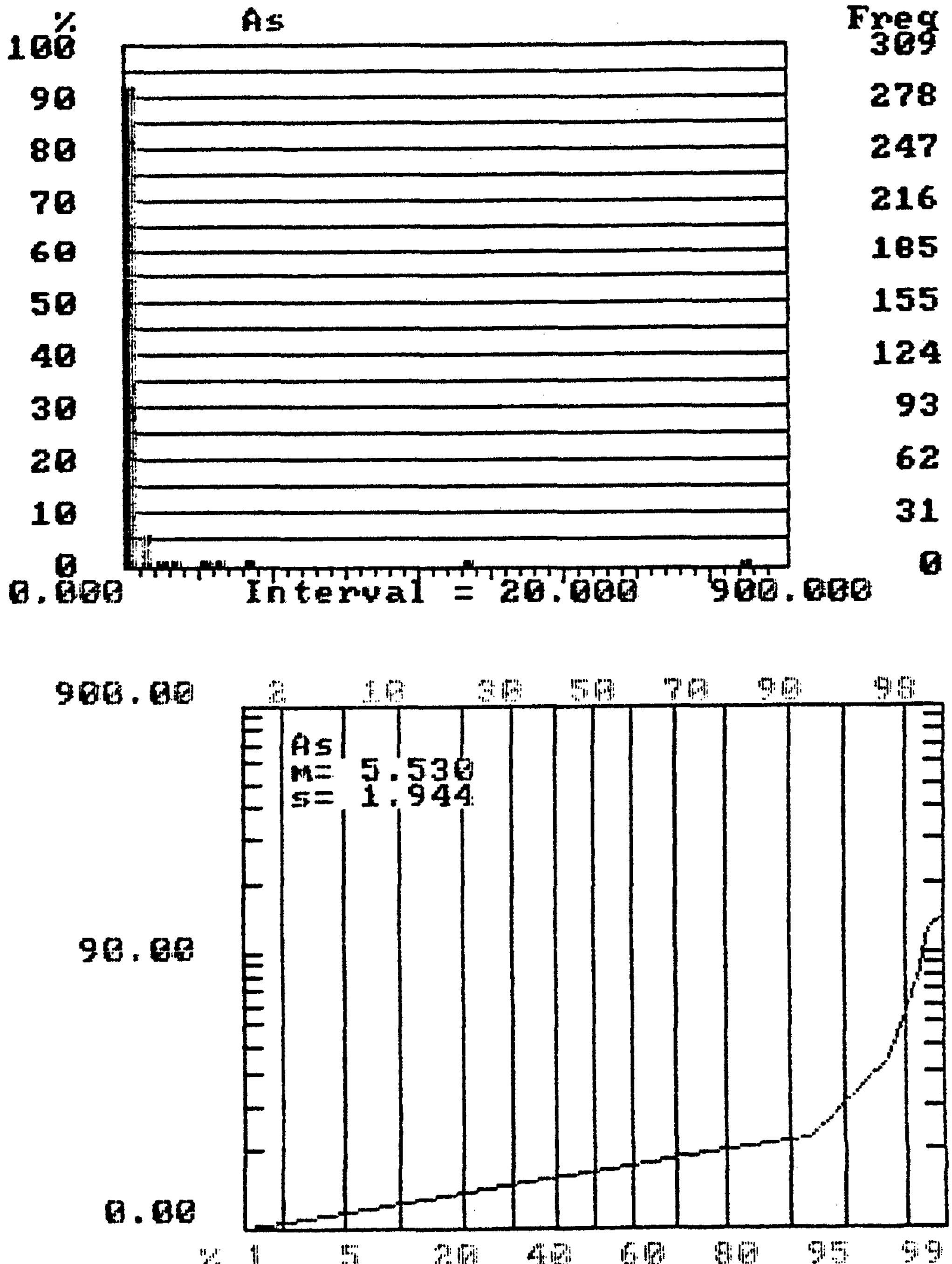

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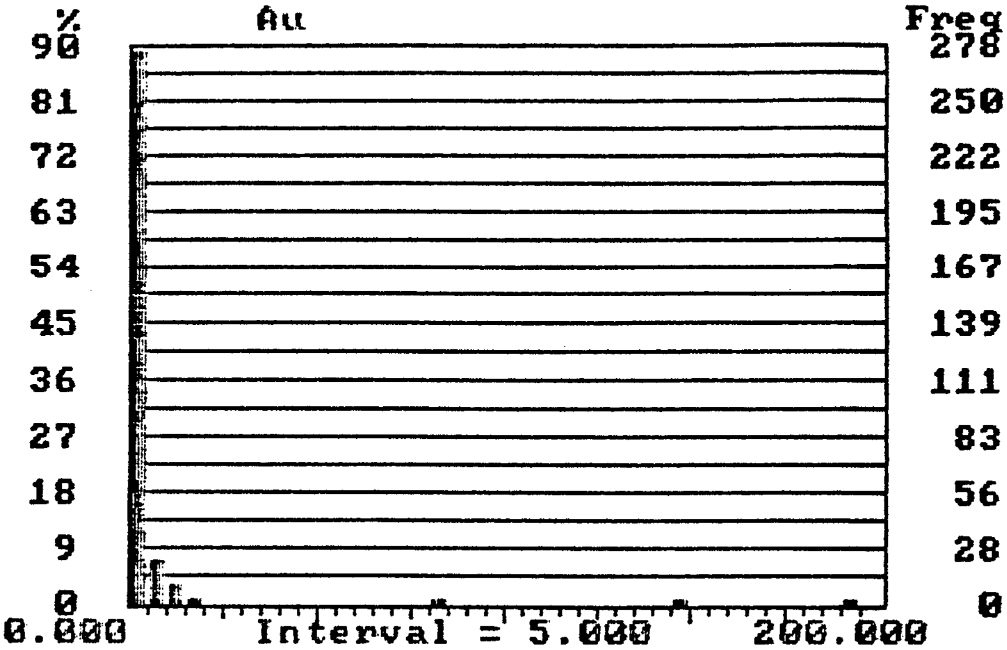

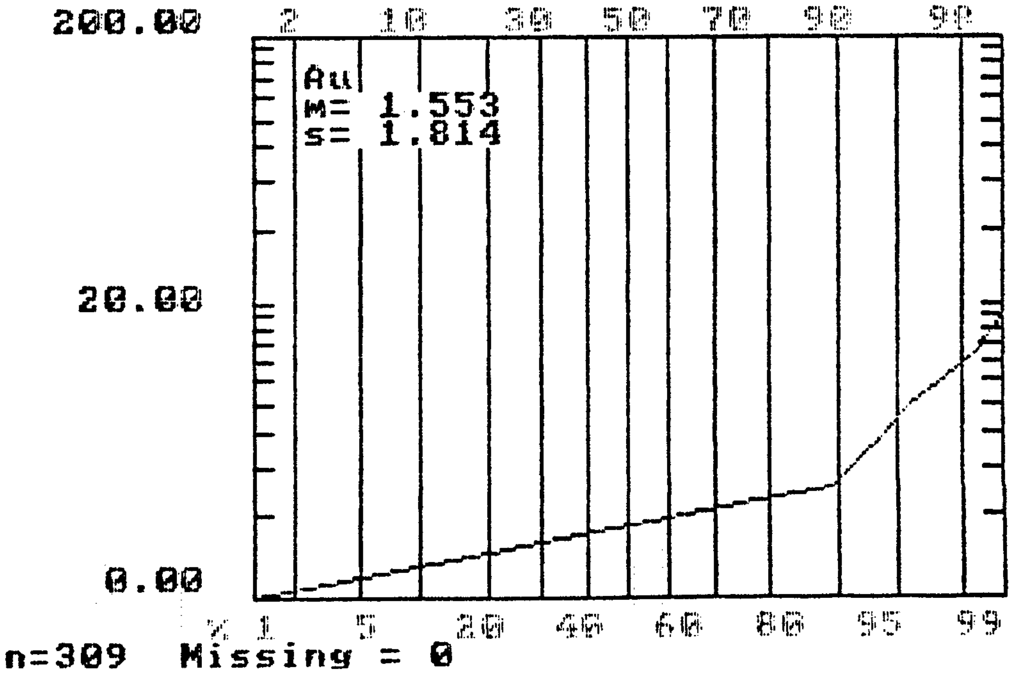

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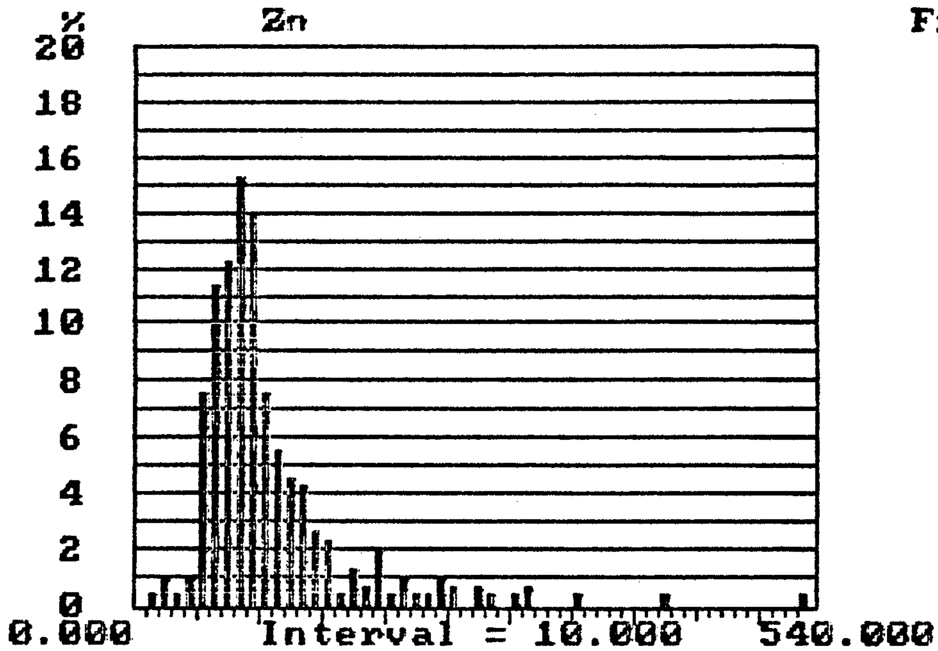

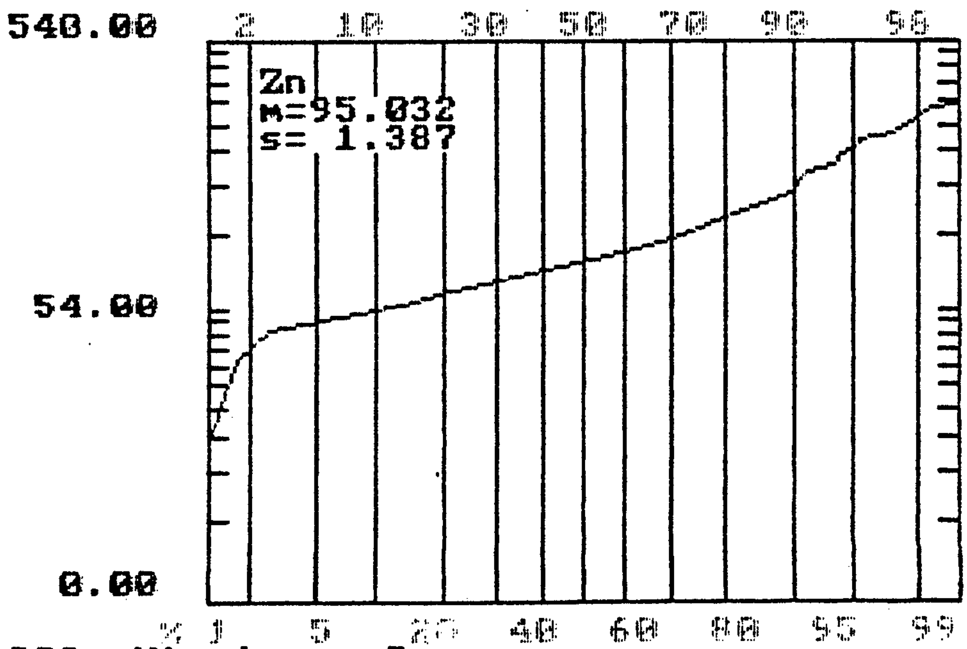

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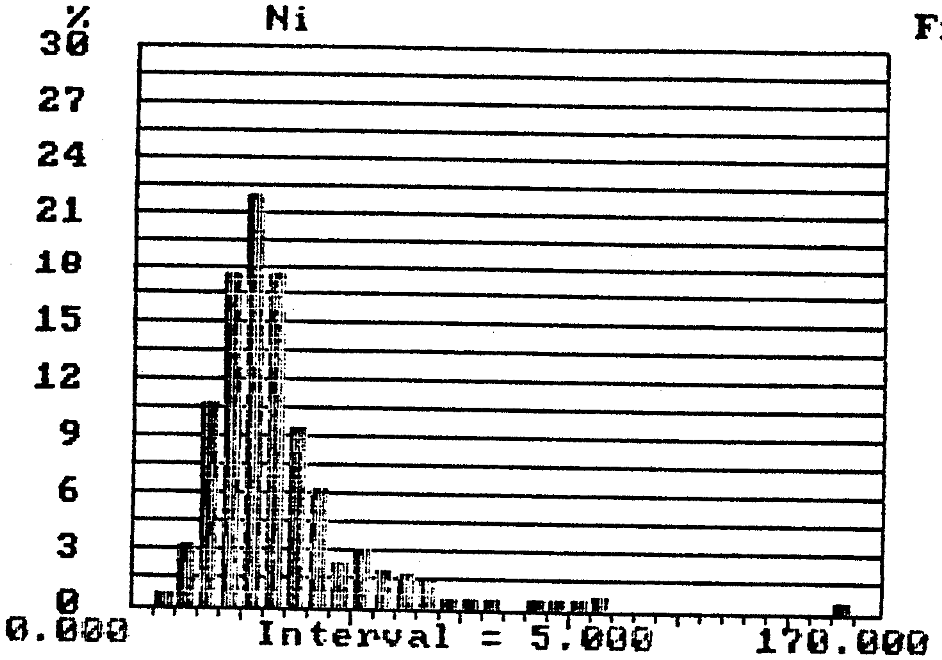

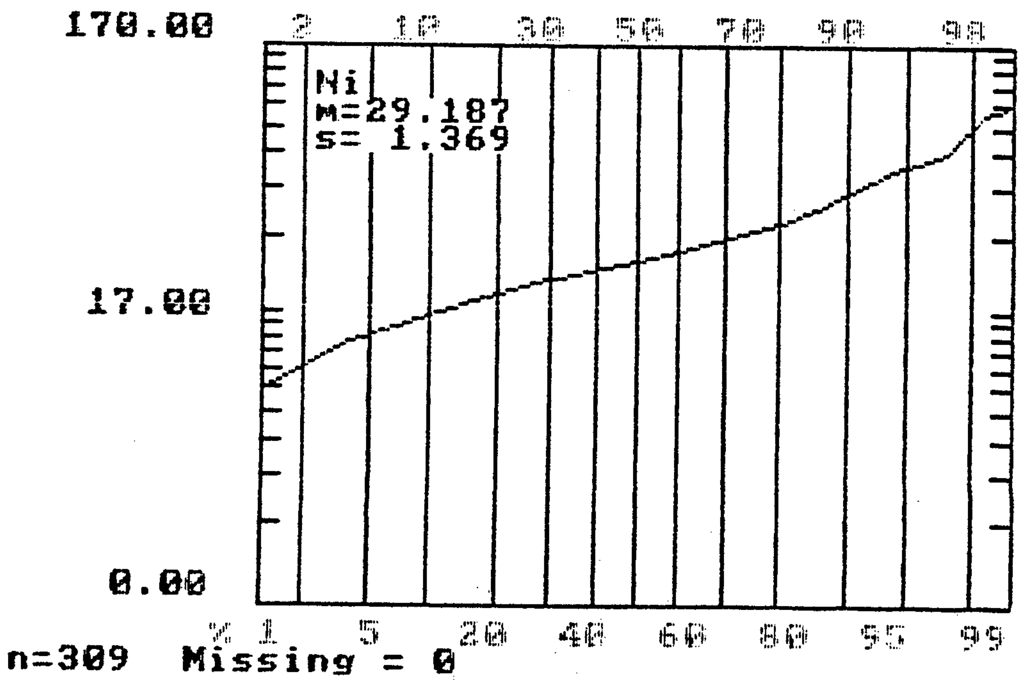

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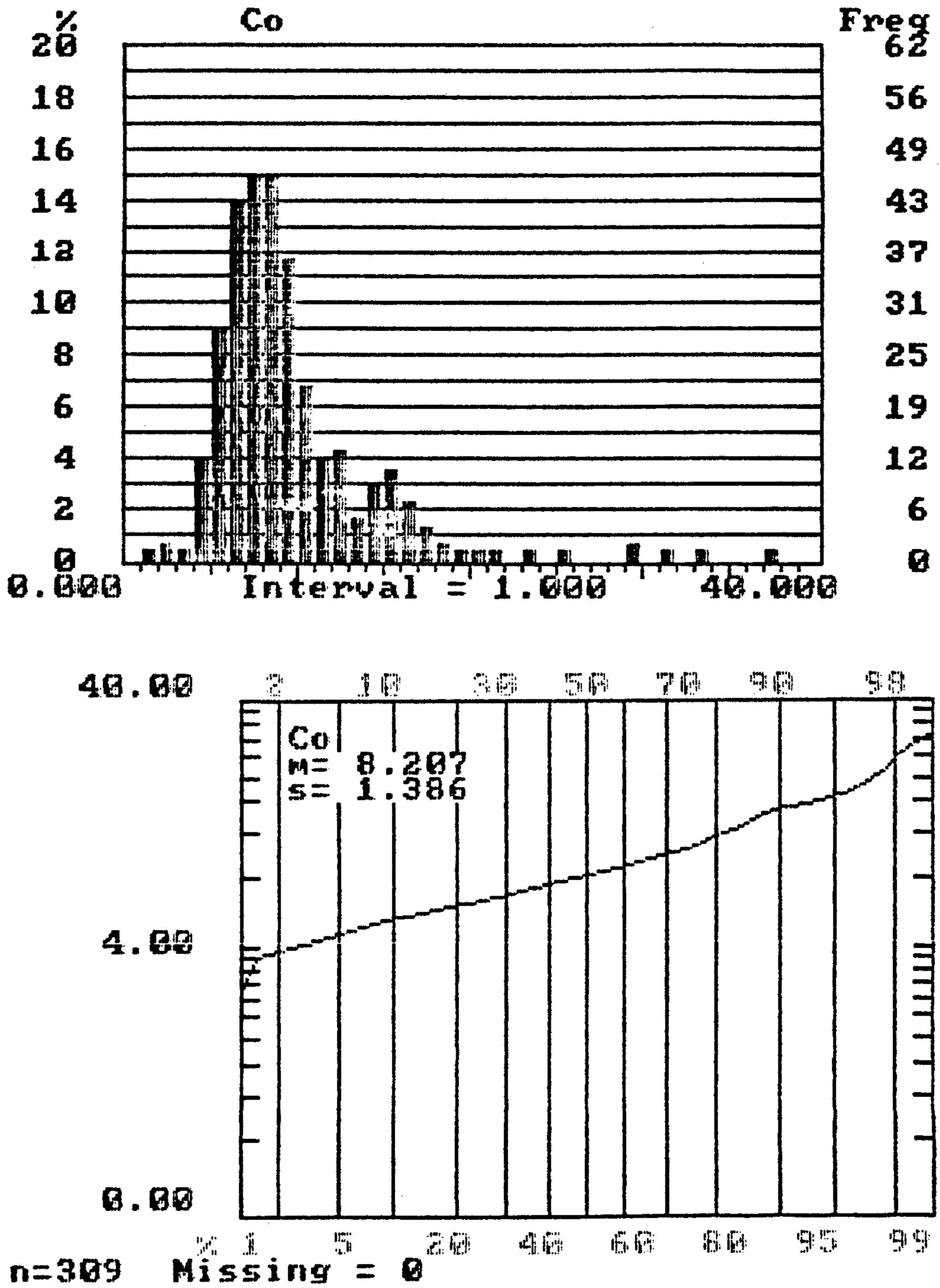

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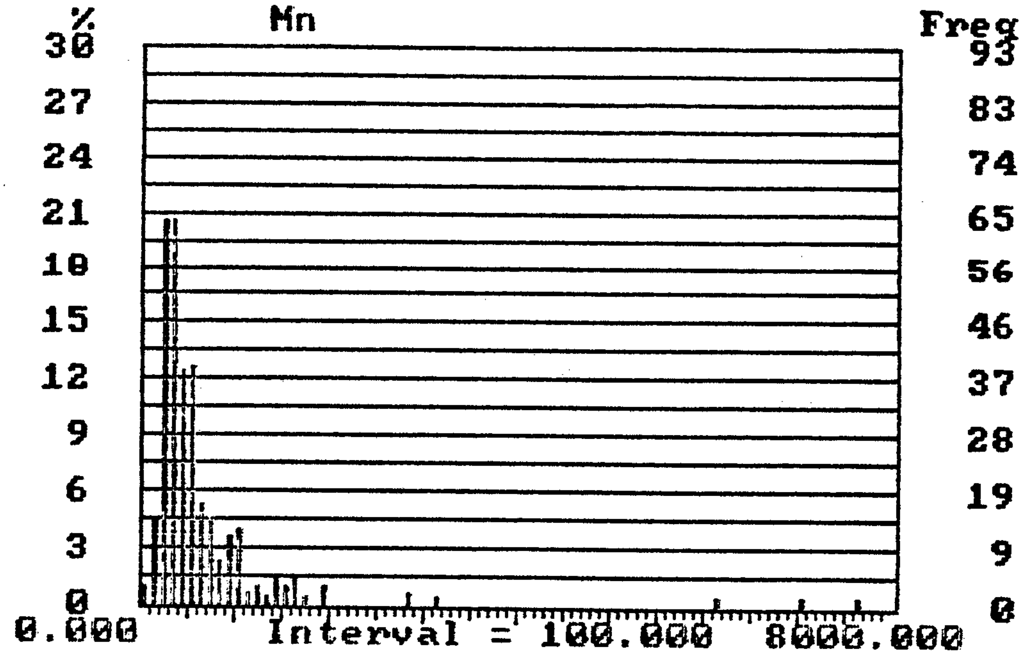

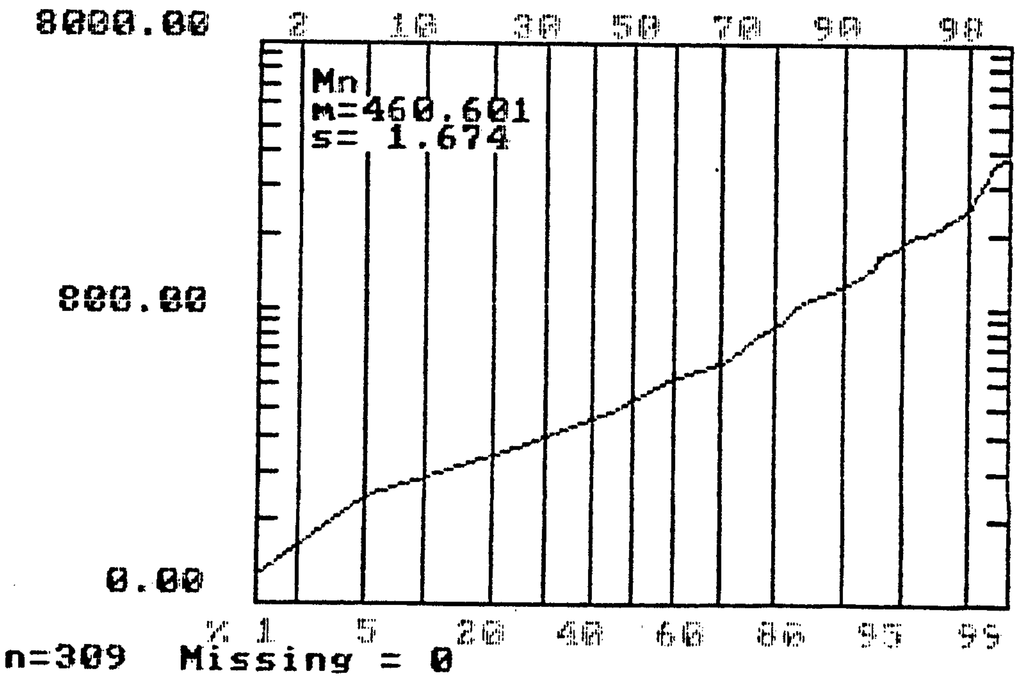

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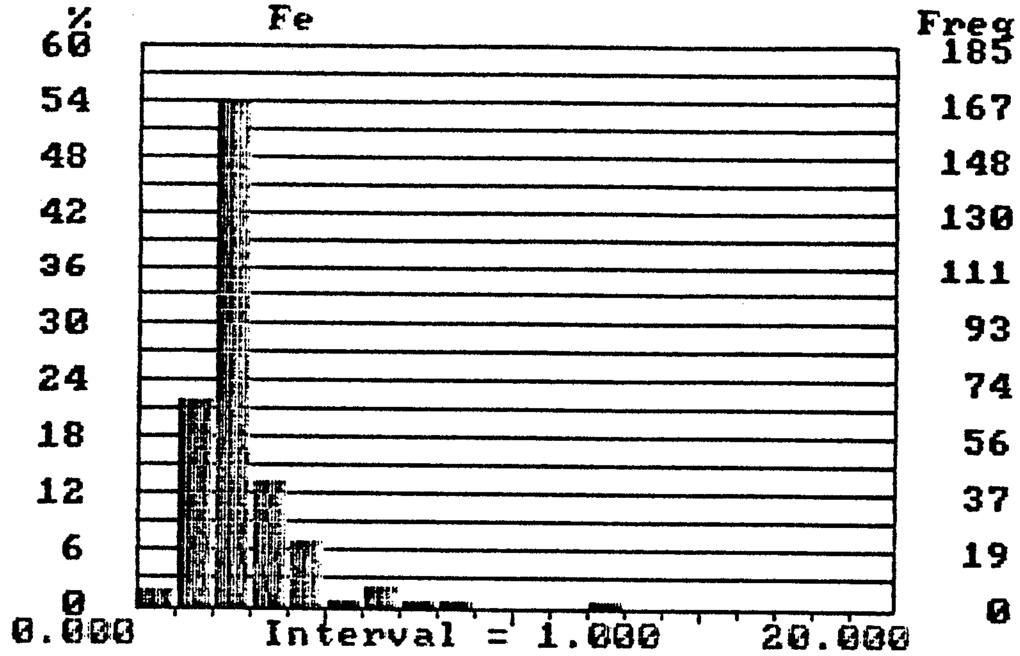
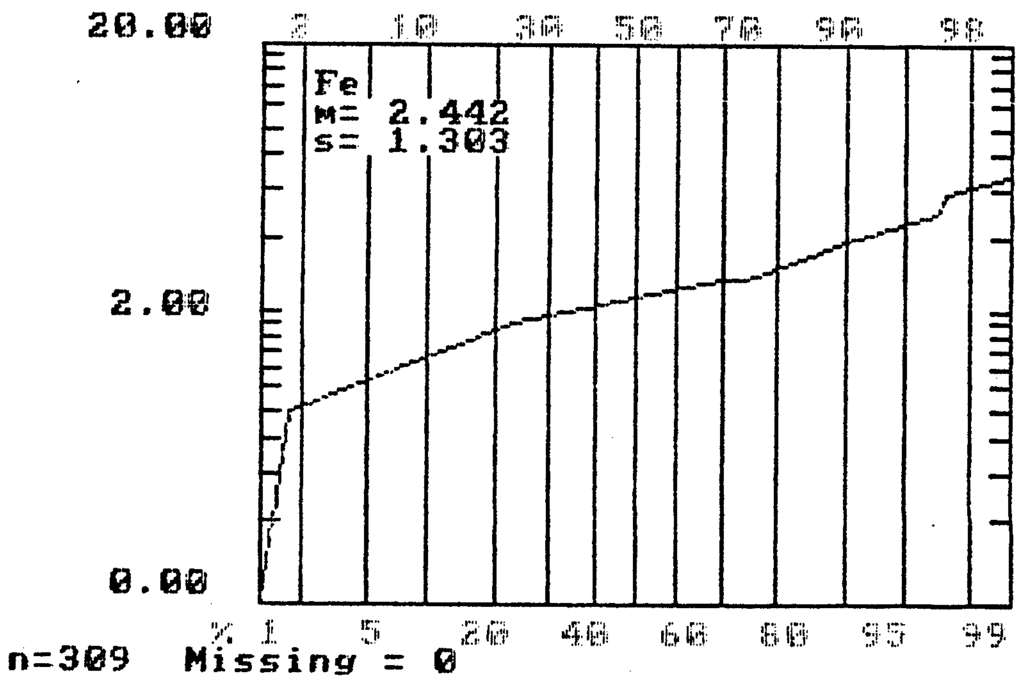




BIG VALLEY RESOURCES INC.			
Fe HISTOGRAM & PROBABILITY GRAPH HAT CLAIM GROUP Northwest Geological Consulting Ltd.			
	Date	NTS	
	Jan. 87	93K/16	

APPENDIX D

HAT GEOCHEM

Variable:Mo PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	1.000
Maximum:	46.000
Range:	45.000
Mean:	1.650
Median:	1.000
Variance:	8.765
Standard Deviation:	2.961
Standard Error:	0.168
Coefficient of Variation (%):	179.372
Coefficient of Skewness:	11.844
Coefficient of Kurtosis:	168.228
Log 10 Transformed Mean:	1.277
Log 10 Variance:	2.122
Log 10 Standard Deviation:	1.457

Variable:Cu PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	3.000
Maximum:	472.000
Range:	469.000
Mean:	30.385
Median:	20.000
Variance:	1263.311
Standard Deviation:	35.543
Standard Error:	2.022
Coefficient of Variation (%):	116.975
Coefficient of Skewness:	6.926
Coefficient of Kurtosis:	79.150
Log 10 Transformed Mean:	22.209
Log 10 Variance:	3.187
Log 10 Standard Deviation:	1.785

Variable:Pb PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	2.000
Maximum:	27.000
Range:	25.000
Mean:	7.443
Median:	7.000
Variance:	12.117
Standard Deviation:	3.481
Standard Error:	0.198
Coefficient of Variation (%):	46.766
Coefficient of Skewness:	2.173
Coefficient of Kurtosis:	10.483
Log 10 Transformed Mean:	6.807
Log 10 Variance:	1.869
Log 10 Standard Deviation:	1.367

Variable:Zn PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	12.000
Maximum:	535.000
Range:	523.000
Mean:	106.104
Median:	90.000
Variance:	3549.685
Standard Deviation:	59.579
Standard Error:	3.389
Coefficient of Variation (%):	56.152
Coefficient of Skewness:	2.895
Coefficient of Kurtosis:	15.499
Log 10 Transformed Mean:	95.032
Log 10 Variance:	1.924
Log 10 Standard Deviation:	1.387

Variable:Ag PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	0.100
Maximum:	2.200
Range:	2.100
Mean:	0.269
Median:	0.200
Variance:	0.080
Standard Deviation:	0.283
Standard Error:	0.016
Coefficient of Variation (%):	105.049
Coefficient of Skewness:	3.630
Coefficient of Kurtosis:	18.987
Log 10 Transformed Mean:	0.201
Log 10 Variance:	2.898
Log 10 Standard Deviation:	1.702

Variable:Ni PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	6.000
Maximum:	161.000
Range:	155.000
Mean:	32.204
Median:	29.000
Variance:	281.185
Standard Deviation:	16.769
Standard Error:	0.954
Coefficient of Variation (%):	52.070
Coefficient of Skewness:	2.951
Coefficient of Kurtosis:	17.411
Log 10 Transformed Mean:	29.187
Log 10 Variance:	1.875
Log 10 Standard Deviation:	1.369

HAT GEOCHEM

Variable:Co PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	1.000
Maximum:	37.000
Range:	36.000
Mean:	9.078
Median:	8.000
Variance:	21.586
Standard Deviation:	4.646
Standard Error:	0.264
Coefficient of Variation (%):	51.182
Coefficient of Skewness:	2.442
Coefficient of Kurtosis:	11.975
Log 10 Transformed Mean:	8.207
Log 10 Variance:	1.920
Log 10 Standard Deviation:	1.386

Variable:Mn PPM

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	53.000
Maximum:	7696.000
Range:	7643.000
Mean:	615.796
Median:	421.000
Variance:	582665.125
Standard Deviation:	763.325
Standard Error:	43.424
Coefficient of Variation (%):	123.957
Coefficient of Skewness:	6.197
Coefficient of Kurtosis:	51.008
Log 10 Transformed Mean:	460.601
Log 10 Variance:	2.802
Log 10 Standard Deviation:	1.674

Variable:Fe %

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	0.330
Maximum:	12.300
Range:	11.970
Mean:	2.632
Median:	2.360
Variance:	1.395
Standard Deviation:	1.181
Standard Error:	0.067
Coefficient of Variation (%):	44.874
Coefficient of Skewness:	3.112
Coefficient of Kurtosis:	20.027
Log 10 Transformed Mean:	2.442
Log 10 Variance:	1.698
Log 10 Standard Deviation:	1.303

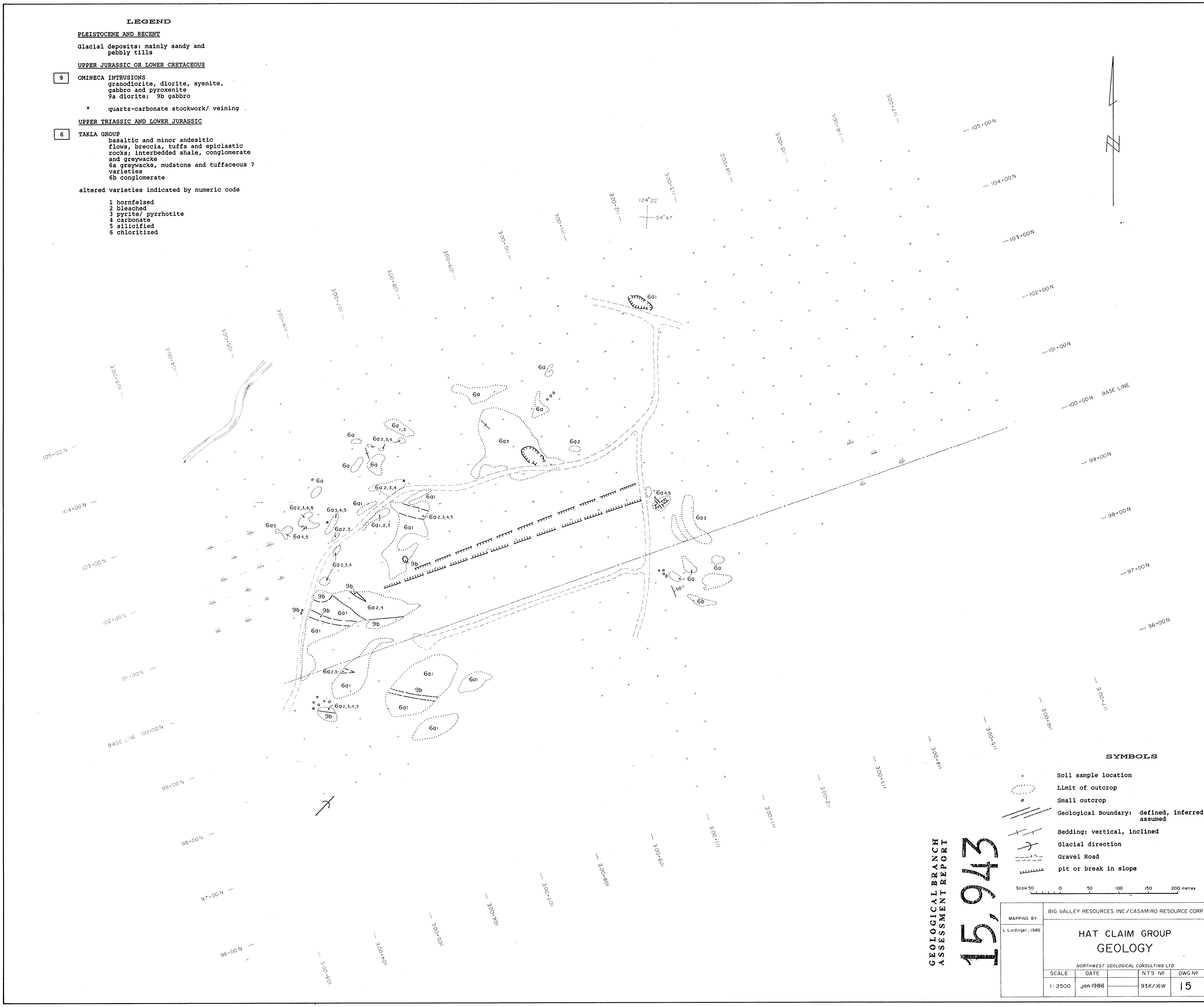
Variable:As PPM

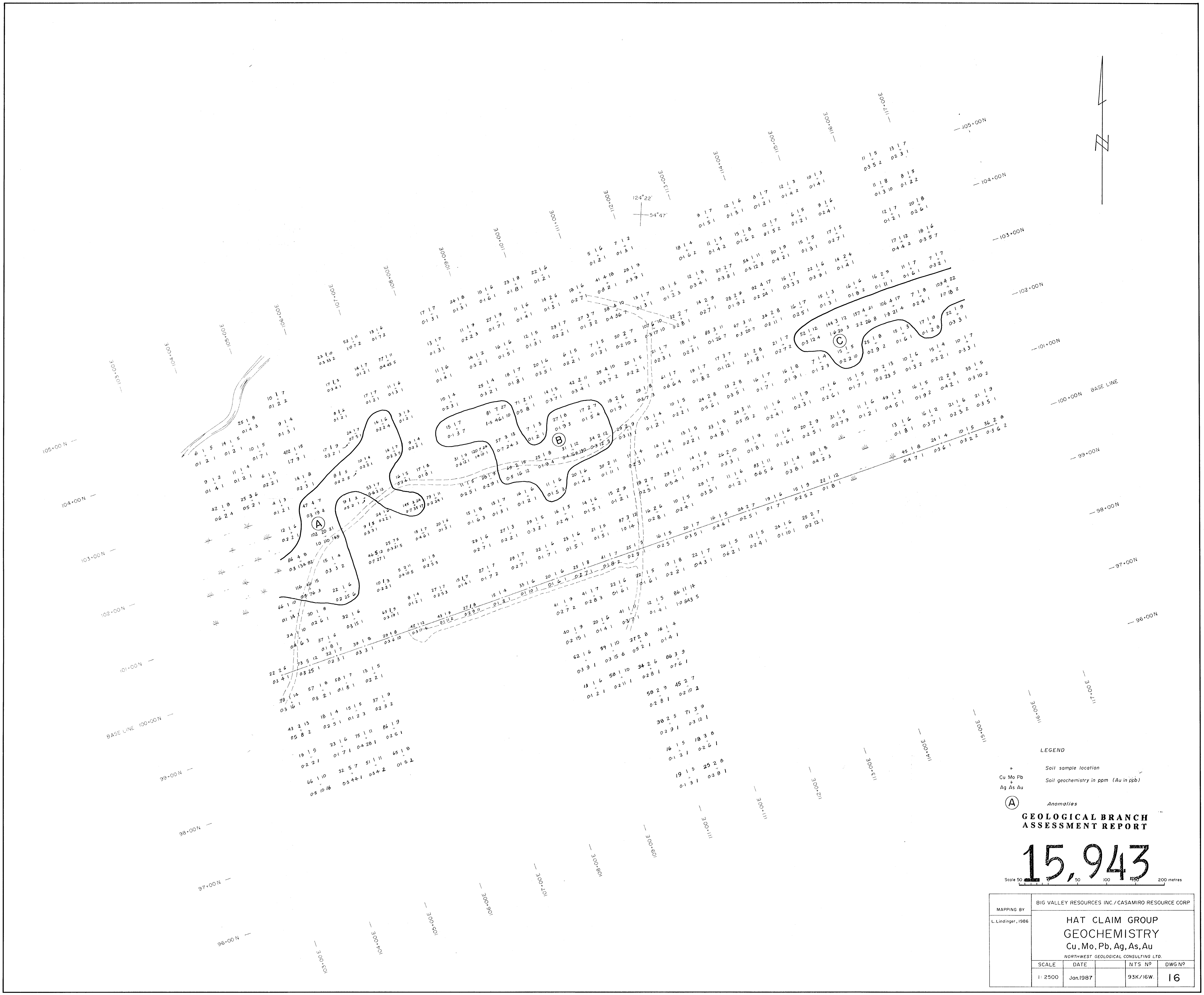
Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	2.000
Maximum:	843.000
Range:	841.000
Mean:	12.621
Median:	5.000
Variance:	3127.167
Standard Deviation:	55.921
Standard Error:	3.181
Coefficient of Variation (%):	443.067
Coefficient of Skewness:	12.389
Coefficient of Kurtosis:	171.024
Log 10 Transformed Mean:	5.530
Log 10 Variance:	3.778
Log 10 Standard Deviation:	1.944

HAT GEOCHEM

Variable:Au PPB

Number of Samples Selected:	309
Number of Missing or Null Values:	0
Minimum:	1.000
Maximum:	190.000
Range:	189.000
Mean:	3.372
Median:	1.000
Variance:	204.874
Standard Deviation:	14.313
Standard Error:	0.814
Coefficient of Variation (%):	424.458
Coefficient of Skewness:	10.851
Coefficient of Kurtosis:	127.510
Log 10 Transformed Mean:	1.553
Log 10 Variance:	3.290
Log 10 Standard Deviation:	1.814


LEGEND
PLEISTOCENE AND RECENT
Glacial deposits: mainly sandy and pebbly tills
UPPER JURASSIC OR LOWER CRETACEOUS
9 OMINECA INTRUSIONS
granodiorite, diorite, syenite, gabbro and pyroxenite
9a diorite; 9b gabbro
* quartz-carbonate stockwork/ veining
UPPER TRIASSIC AND LOWER JURASSIC
6 TAKLA GROUP
basaltic and minor andesitic flows, breccia, tuffs and epiclastic rocks; interbedded shale, conglomerate and greywacke
6a greywacke, mudstone and tuffaceous ? varieties
6b conglomerate
altered varieties indicated by numeric code
1 hornfelsed
2 bleached
3 pyrite/ pyrrhotite
4 carbonate
5 silicified
6 chloritized
SYMBOLS
Soil sample location
Limit of outcrop
Small outcrop
Geological Boundary: defined, inferred, assumed
Bedding: vertical, inclined
Glacial direction
Gravel Road
pit or break in slope
Scale 50 0 50 100 150 200 metres
124°22'
54°47'
BASE LINE
GEOLOGICAL BRANCH ASSESSMENT REPORT
15,943
MAPPING BY
L. Lindinger, 1986
BIG VALLEY RESOURCES INC / CASAMIRO RESOURCE CORP
HAT CLAIM GROUP
GEOLOGY
NORTHWEST GEOLOGICAL CONSULTING LTD.
SCALE 1:2500
DATE Jan.1986
NTS No 93K/16W
DWG No 15



LEGEND
Soil sample location
Cu Mo Pb
Ag As Au
Soil geochemistry in ppm (Au in ppb)
A
Anomalies
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,943
Scale 50 0 50 100 150 200 metres
BIG VALLEY RESOURCES INC./CASAMIRO RESOURCE CORP.
MAPPING BY
L. Lindinger, 1986
HAT CLAIM GROUP
GEOCHEMISTRY
Cu, Mo, Pb, Ag, As, Au
NORTHWEST GEOLOGICAL CONSULTING LTD.
SCALE
1:2500
DATE
Jan.1987
NTS Nº
93K/16W.
DWG Nº
16
BASE LINE
124°22'
54°47'