

LOG NO: Feb 27/91	RD.
ACTION:	
FILE NO:	

ASSESSMENT REPORT  
FOR THE  
1990 PROSPECTING and SOIL GEOCHEMISTRY  
ON THE  
JED MINERAL PROPERTY

OMINECA MINING DIVISION

NTS 93 K/ 2W

LATITUDE 54 05' N

LONGITUDE 124 58' W

OWNED BY: D. JOHNSON

WORK BY: D. JOHNSON

REPORT BY: D.J. HANSON

FEBRUARY 1991

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,967

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## SUMMARY

The Jed mineral property is located approximately seven kilometres northwest of Fraser Lake, B.C. The property was staked when an auriferous quartz stringer zone was discovered in the course of regional prospecting. No previous work has been recorded in the area.

During late 1989 and 1990 the claims were prospected and thirty-eight rock samples were collected and analyzed for gold. Grab samples from a quartz stringer zone related to a major shear structure returned values up to 0.319 oz/ton from metallic screen assays.

In October 1990, 228 soil samples were collected from a grid along the trend of the main gold-bearing structure and analyzed for copper, lead, zinc, silver, gold, arsenic and antimony. Two zinc anomalies and three spot high gold values require follow-up by additional soil sampling and trenching.

This report documents expenditures of \$11,793.75 on the Jed mineral property.

## INTRODUCTION

### i) LOCATION and ACCESS

The Jed mineral property is located in west central British Columbia approximately seven kilometres northwest of the town of Fraser Lake and 550 kilometres north of Vancouver (Figure 1). The area of current interest is between one and two kilometres north of Highway 16 and just west of Alf Lake.

Access to the central portion of the property is gained from Highway 16 via a good gravel road (Figure 2).

The claims are situated in the gently rolling hills of the Nechako Plateau physiographic region. Local cliffs, small gullies and swamps occur locally. Bedrock exposure is poor due to an abundance of glacial till. The area is forested with a mixture of spruce, pine and poplar.

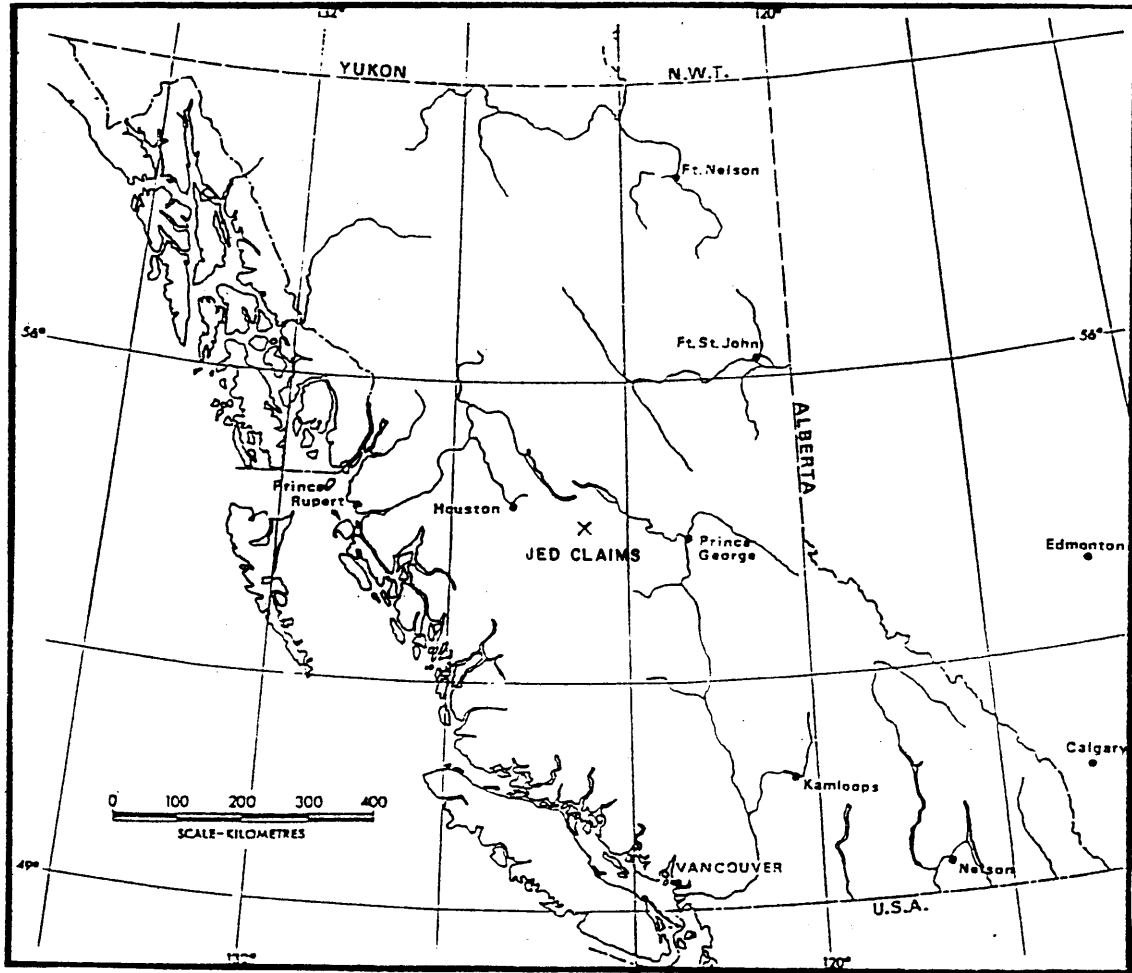


Figure 1 - Property Location Map

## ii) CLAIM OWNERSHIP and STATUS

The Jed-1-38 mineral claims are wholly owned by Don Johnson of Fraser Lake, B.C. and are not subject to any vendor agreements.

For the purpose of recording this assessment work the Jed property is defined as follows:

TABLE 1

## CLAIM STATUS - JED PROPERTY

<u>CLAIM</u>	<u>RECORD #</u>	<u>UNITS</u>	<u>ANNIVERSARY DATE</u>
JED 1	11303	1	NOVEMBER 20
JED 2	11304	1	NOVEMBER 20
JED 3	11305	1	NOVEMBER 20
JED 4	11306	1	NOVEMBER 20
JED 5	11307	1	NOVEMBER 22
JED 6	11308	1	NOVEMBER 22
JED 7	11309	1	NOVEMBER 22
JED 8	11310	1	NOVEMBER 22
JED 9	11311	1	NOVEMBER 22
JED 10	11312	1	NOVEMBER 22
JED 11	11313	1	NOVEMBER 23
JED 12	11314	1	NOVEMBER 23
JED 13	11315	1	NOVEMBER 26
JED 14	11316	1	NOVEMBER 26
JED 15	11326	1	DECEMBER 2
JED 16	11327	1	DECEMBER 2
JED 17	11328	1	DECEMBER 2
JED 18	11329	1	DECEMBER 2
JED 19	11330	1	DECEMBER 5
JED 20	11331	1	DECEMBER 5
JED 21	11332	1	DECEMBER 5
JED 22	11333	1	DECEMBER 5
JED 23	11334	1	DECEMBER 5
JED 24	11335	1	DECEMBER 5
JED 25	11338	1	DECEMBER 9
JED 26	11339	1	DECEMBER 10
JED 27	11340	1	DECEMBER 10
JED 28	11341	1	DECEMBER 10
JED 29	11342	1	DECEMBER 10
JED 30	11343	1	DECEMBER 11
JED 31	11344	1	DECEMBER 11
JED 32	11345	1	DECEMBER 11
JED 33	11346	1	DECEMBER 16
JED 34	11347	1	DECEMBER 16
JED 35	11430	1	JANUARY 15
JED 36	11431	1	JANUARY 15
JED 37	11432	1	JANUARY 23
JED 38	11433	1	JANUARY 23

The current expiry dates for the Jed 1-34 claims have been extended to their respective anniversary dates in 1993 pending acceptance of this report. Likewise the expiry dates for the Jed 35-38 claims have been extended to 1994.

iii) CLAIM HISTORY

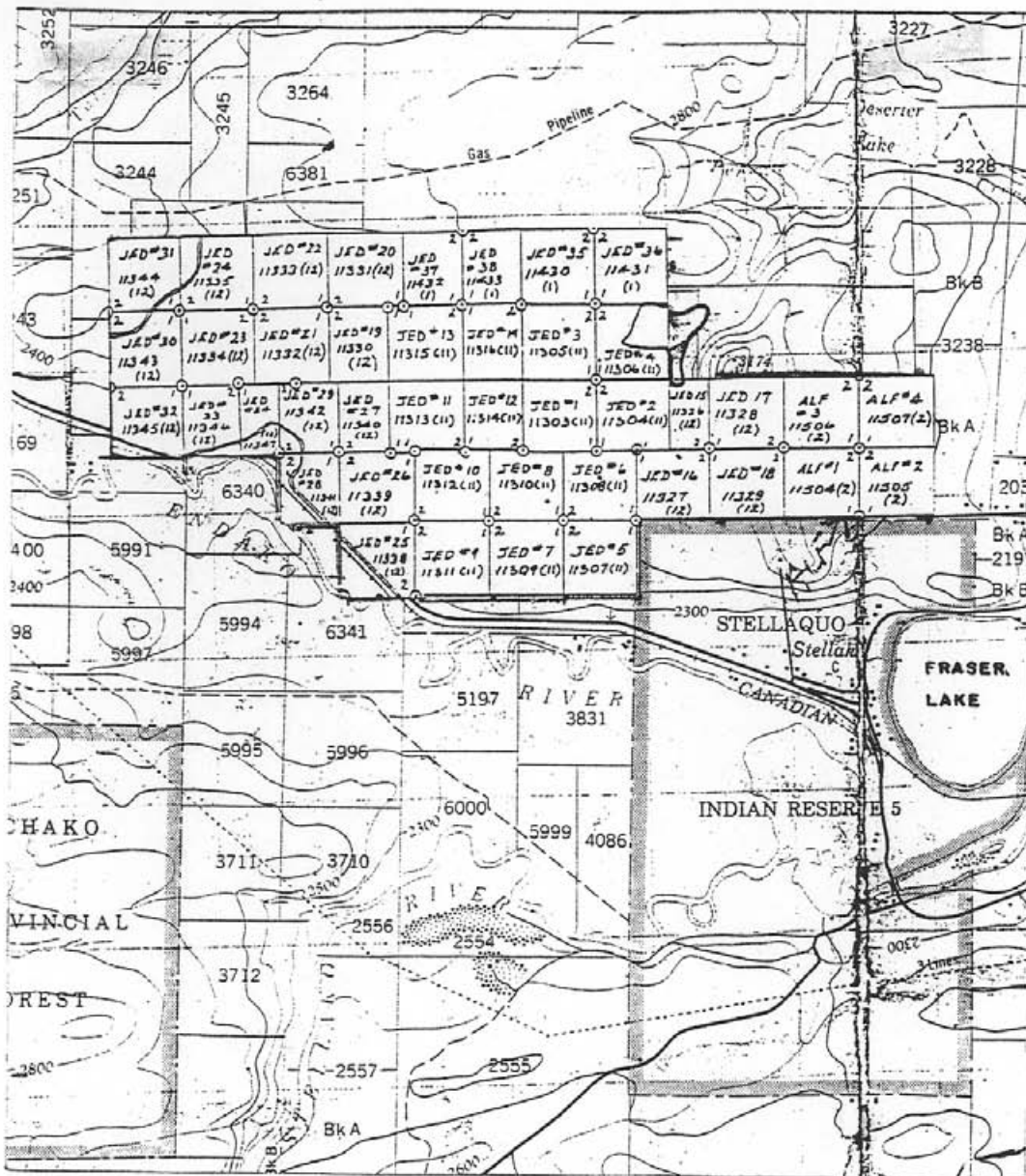
There is no record of previous exploration in the immediate area of the Jed claims. The current claims were located as a result of discovering gold in quartz stringers during a regional prospecting program.

iv) PURPOSE

In late 1989 and 1990 a program of prospecting and rock sampling was conducted over the claims to identify and evaluate occurrences of mineralized bedrock.

Due to extensive overburden cover a program of multi-element soil geochemistry was employed to help trace the mineralization.








  
**EQUITY SILVER MINES LIMITED**  
**JED PROPERTY**  
 FIGURE 2 - CLAIM MAP  
 NTS 93 K/ 2W 1:50,000  
 0 1 2  


Figure 2 - Claim Location Map

## REGIONAL GEOLOGY

The Jed mineral property is located on the Skeena arch near the eastern boundary of the Stikinia accreted terrane of the Intermontane belt. The area is underlain by an incomplete succession of volcanic and sedimentary rocks ranging in age from Lower Jurassic to Miocene. Although formations of Lower to Middle Jurassic age are most extensive regionally, much of the local area is covered by plateau basalts and andesite flows of Eocene and Miocene age. The layered rocks have been intruded by large, Early and Late Jurassic, complex batholiths (Francois Lake intrusions) ranging in composition from diorite to quartz monzonite.

## LOCAL GEOLOGY

The local geology of the Jed claims has been determined from the Annual Report of the Minister of Mines (1965, pp 114) and from a property examination made by the author of this report.

The Jed claims are located near the eastern contact of a large, northwesterly trending Francois Lake batholith with quartz monzonite and quartz diorite phases. To the east of Alf Lake the intrusive rocks are in contact with the overlying volcanics of the Tertiary Endako Group.

Andesite and rhyolite dykes of undetermined age cross-cut the batholith. At the main showing a large andesite dyke occurs in the hanging-wall of a major shear zone oriented at 084/ 55 degrees south. The footwall of the dyke has been pervasively silicified for approximately two metres. Within the alteration zone, quartz + clay filled stringers contain gold values up to 0.319 oz/ton.

## PROSPECTING

### i) PROCEDURE

The entire claim block was prospected along ridges, gullies and claim lines. Rock samples were collected from mineralized and altered outcrops. Notes were kept regarding location, rock type, mineralization, and alteration.

Most of the samples were submitted to Chemex in Vancouver for gold assays or geochemical analyses. Sample J18 was checked for platinum/ palladium content and sample J15 was submitted for a metallic screen assay. Samples J19 - J27 were analyzed by the Placer Dome Research Laboratory in Vancouver using a fire assay with atomic absorption finish technique. Samples J23 - J27 were also submitted for metallic screen assays. Samples J48 - J51 were analyzed by the Equity Silver Mines laboratory at Houston using fire assay with atomic absorption finish (see Appendix III for a complete description of this technique).

ii) RESULTS AND DISCUSSION

The sample locations are plotted on Figure 3. A complete listing of analytical results is presented as Appendix IV.

The silicified footwall zone of the large andesite dyke exposed in the creek gully on the Jed #1 claim contains anomalous gold values. Where quartz-clay stringers are developed in this zone, grab samples returned grades up to 0.319 oz/ ton gold. Since this alteration and mineralization is related to a major shear structure, there is potential for economic grades to be developed over significant widths along strike or down dip.

Anomalous but very erratic gold values up to 0.396 oz/ton were returned from the altered quartz monzonite in the area of sample J33 on claim Jed #16. Since there is no apparent structure in this area, the prospective target is a bulk tonnage, surface mineable deposit.

Inconsistent results from sampling the quartz stringers indicates the possible presence of free gold. Metallic screen assays should be used to obtain a more reliable estimate of contained gold in future samples.

## SOIL GEOCHEMISTRY

### 1) PROCEDURE

A baseline was established through the main showing and parallel to the strike of the shear zone.

Soil samples were collected from the "B" soil horizon at a depth of .2 - 2.25 metres using an auger. Lines were run at 100 m intervals from the baseline using a compass and a hip chain for control. Soil sample locations were marked with flagging tape and labelled with their grid locations. A total of 228 soil samples were collected at 25 metre intervals (Figure 3).

Samples were placed in brown Kraft envelopes and were sent to Placer-Dome in Vancouver, B.C. for preparation and geochemical analysis (for analytical procedure see Appendix I).

ii) RESULTS and DISCUSSION

Soil geochemistry results for the 1990 soil survey on the Jed property are plotted on figures 4 - 10 (in map pocket at back). Statistical analysis of the soil data is found in Appendix II and includes histograms, probability plots, and a correlation matrix.

The following threshold anomalous values were determined from the soil data :

<u>Ag</u>	<u>As</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Sb</u>	<u>Zn</u>
<u>ppm</u>	<u>ppm</u>	<u>ppb</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>
0.3	10	25	40	10	--	150

These values are considered to be about average for the soil in this region.

Three geochemically anomalous zones and four spot high gold values were revealed by the soil values exceeding the threshold levels. Anomaly 1 (Figure 3) is a weak zinc anomaly coincident with the projected trace of the main showing shear zone.

Anomaly 2 is a small zone of weakly anomalous zinc with partially coincident weakly anomalous copper values open to the east. It also occurs along the projected trace of the shear zone and is bracketted by two gold values exceeding 1000 ppb.

Anomaly 3 is a weakly anomalous zone of copper that is open to the north. It is not related to any known structure or mineralization.

### INTERPRETATION and RECOMMENDATIONS

The three anomalies identified through soil geochemistry are believed to be caused by underlying bedrock mineralization. More specifically, anomalies 1 and 2 and the spot high gold values on line 31 are believed to be related to mineralization in the shear zone. Anomaly 3 may be related to a parallel zone.

An extended program of detailed soil sampling and limited trenching is recommended to further explore the mineral potential of the shear zone and to test for potential parallel zones. A program of soil sampling is recommended to evaluate the gold bearing potential of the altered quartz-monzonite zone.

TABLE 2

## STATEMENT OF EXPENDITURES

1. Soil Geochemical Analyses for Cu, Pb, Zn, Ag, Au, Sb, As 228 samples at \$13.75 / sample	\$ 3,135.00
2. Rock Assays and Geochemical Analyses FA-AA for Au 18 samples at \$11.50 / sample	207.00
metallic assay for Au 6 samples at \$25.00 / sample	150.00
CN-AA for Au 8 samples at \$10.00 / sample	80.00
ICP-FL for Au, Pd, Pt 1 sample at \$18.75 / sample	18.75
FA-Grav. for Au 4 samples at \$13.25 / sample	53.00
3. Labour	
D. Johnson, prospecting 21 days at \$150.00 / day	3,150.00
D. Johnson, soil sampling 13 days at \$150.00 / day	1,950.00
D. Hanson, supervision 1 day at \$250.00 / day	250.00
3. Transportation 34 days at \$50.00 / day	1,700.00
4. Report	1,100.00
	-----
TOTAL	\$ 11,793.75

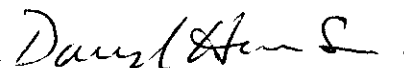


### AUTHOR'S QUALIFICATIONS

I, Daryl J. Hanson, do hereby certify that:

1. I am a geologist residing at R.R.#1, Quick East Road, Telkwa, British Columbia, V0J 2X0.
2. I am a 1971 graduate of the University of British Columbia, Vancouver, B. C. with a Bachelor of Applied Science degree in Geological Engineering.
3. I was employed as a geologist in mining, exploration, and development capacities with Cyprus Anvil Mining Corporation in Faro, Yukon from September 1973 to April 1981.
4. Between May 1982 and October 1987, I was employed as a contract exploration geologist in northwestern British Columbia, principally with Equity Silver Mines Limited.
5. Since February 1988, I have been employed as an exploration geologist with Equity Silver Mines Limited.
6. I am a Fellow of the Geological Association of Canada.
7. I personally supervised the soil geochemistry work programme as described in this report.

Respectfully submitted,  
Equity Silver Mines Ltd.



Daryl J. Hanson, B.A.Sc., F.G.A.C.  
Exploration Geologist

APPENDIX I

PLACER DOME RESEARCH CENTRE

SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

i) SOIL SAMPLE PREPARATION

- samples are hot air dried at 50 degrees centigrade
- minus 80 mesh fraction is seived out for analysis

ii) BULK SILT SAMPLE PREPARATION

- samples are hot air dried at 50 degrees centigrade
- minus 150 mesh fraction is seived out for analysis

iii) ROCK SAMPLE PREPARATION

- 250 g sub-sample is pulverized to minus 150 mesh

iv) ANALYTICAL PROCEDURE

- Cu, Pb, Zn, Ag : 0.5 g of seived material dissolved in HClO<sub>4</sub> / HNO<sub>3</sub> for four hours and analyzed by atomic absorption
- Au : 10.0 g of seived material dissolved in aqua regia for three hours and analyzed by atomic absorption
- As : 0.5 g of seived material dissolved in aqua regia for three hours and analyzed by DC plasma
- Sb : 0.5 g of seived material dissolved in HCL / HNO<sub>3</sub> for three hours and analyzed by DC plasma

APPENDIX II  
SOIL SAMPLE GEOCHEMISTRY  
HISTOGRAMS AND PROBABILITY PLOTS

PL ACEP DOME TMC

PD1 Data Analysis System - STATS

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Data grouped into 10 fields

with format: (A5,A4,2F12.2,F7.1,F4.0,F5.0,F6.0,2F5.0,F7.0)

Character ID fields:

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Coordinate fields:

EAST NPTH

Other data fields:

AG AS AU CU PB SR ZN

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

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AS	228	0	1.000000	13.0000	4.32895	2.82401	3.40124	1.62484 7.11974
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CU	228	0	3.000000	118.000	16.2105	11.9093	13.7267	7.92360 23.7800
PB	228	0	1.000000	11.0000	5.36842	1.80681	5.04551	3.49114 7.29194
SR	228	0	1.000000	2.00000	1.00877	0.934521e-01	1.00610	0.942994 1.07343
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File: jed 90soil

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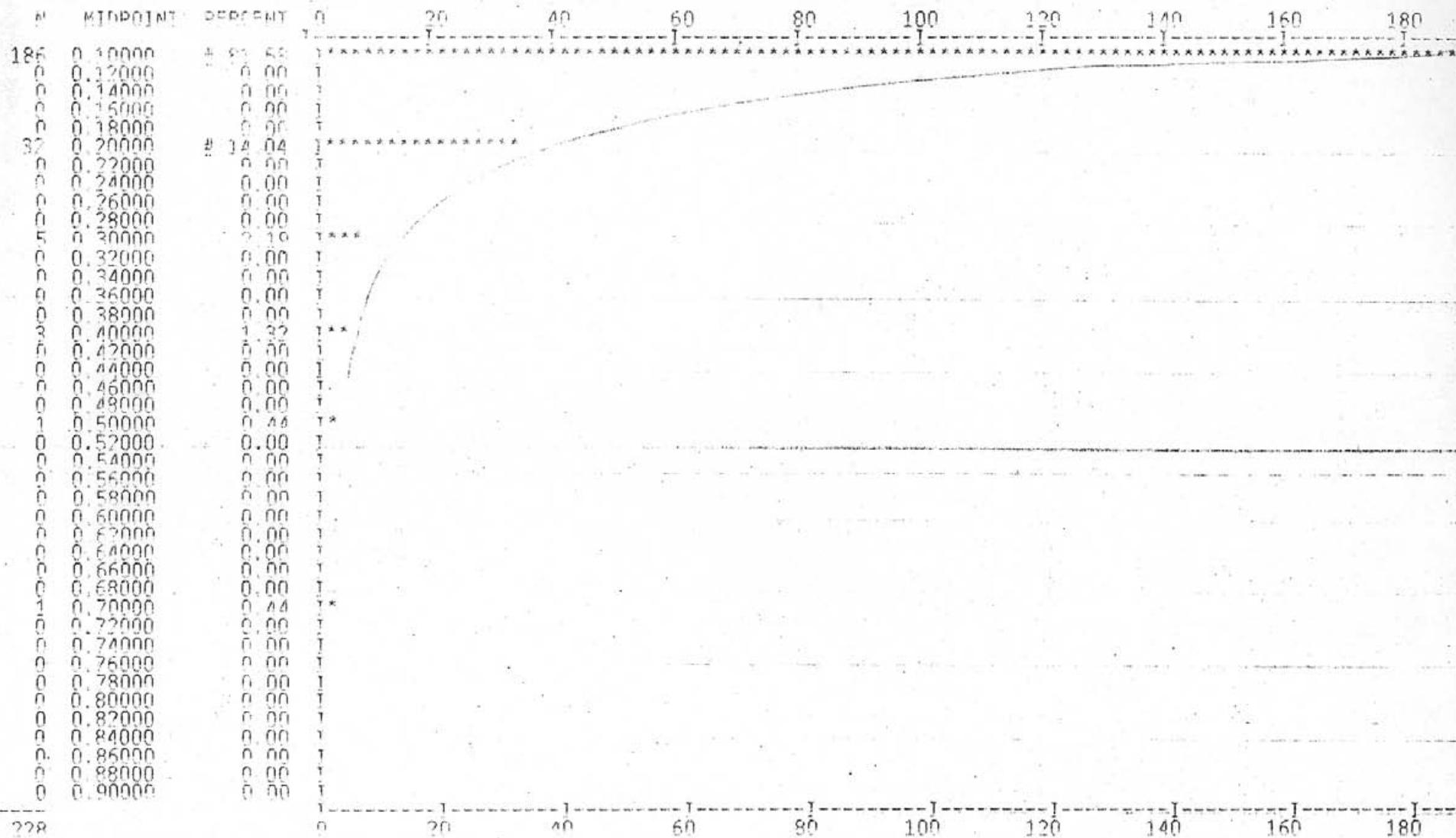
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to 0.700000

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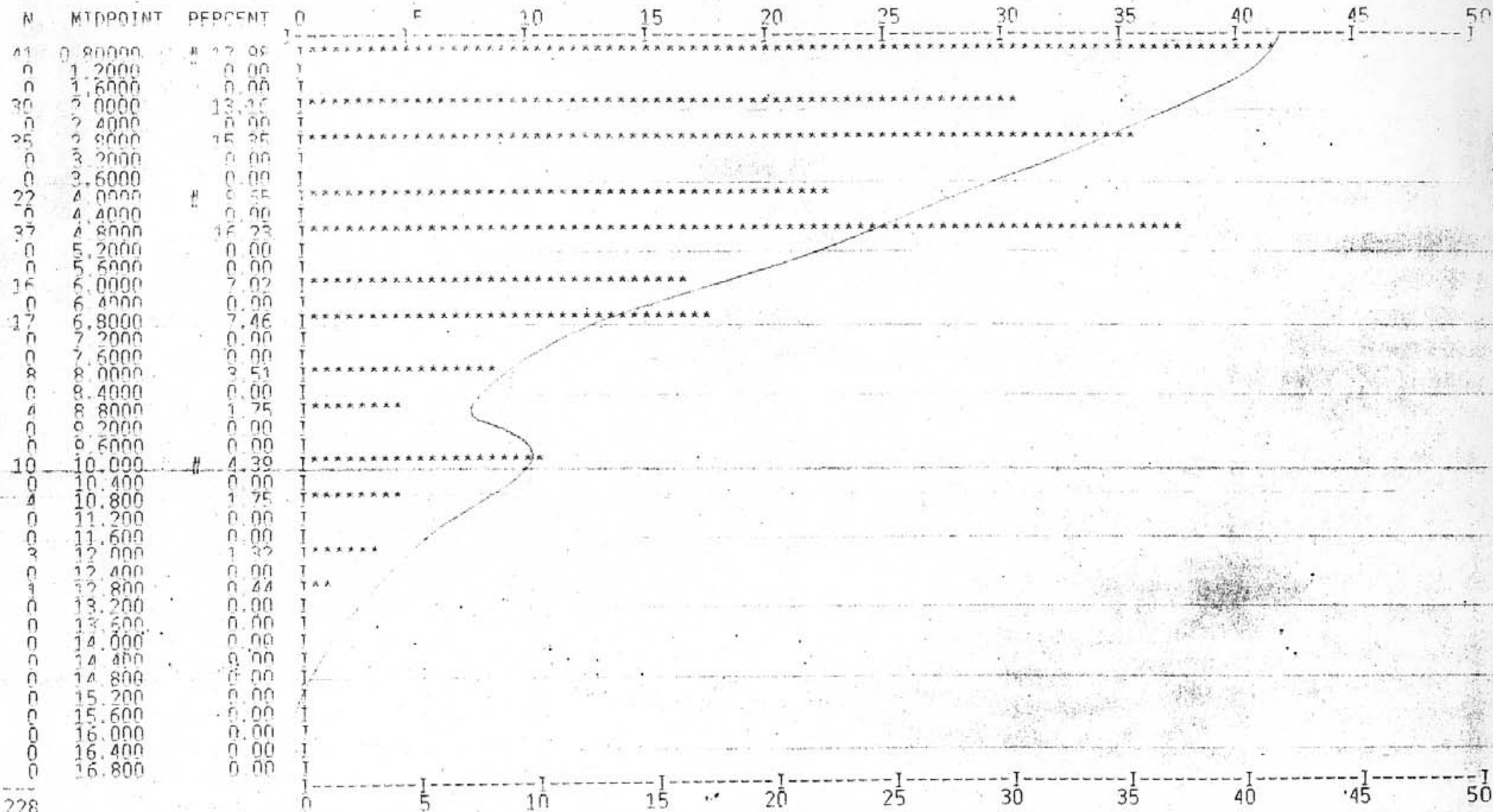
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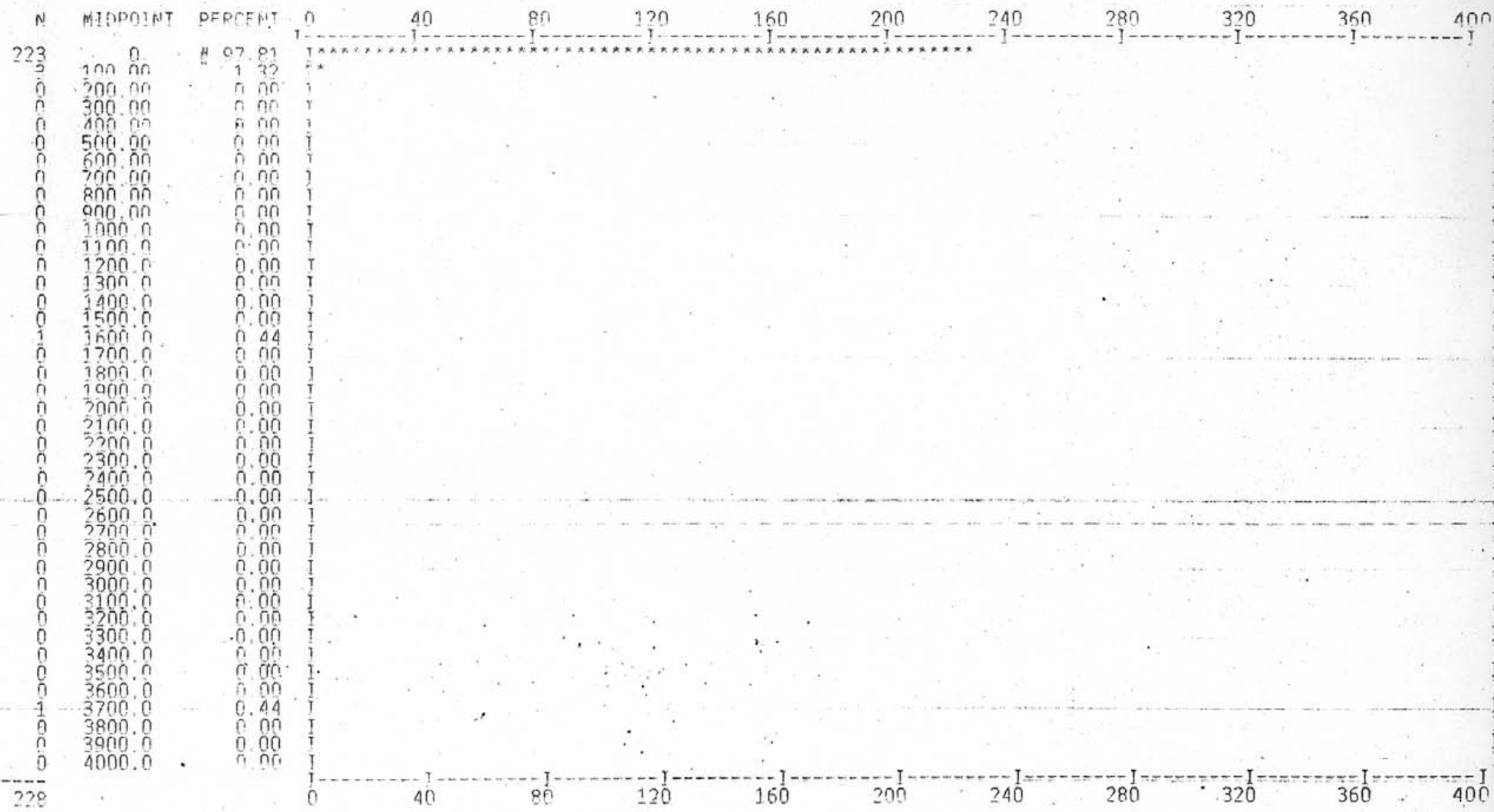
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STD. DEV.: 265.372

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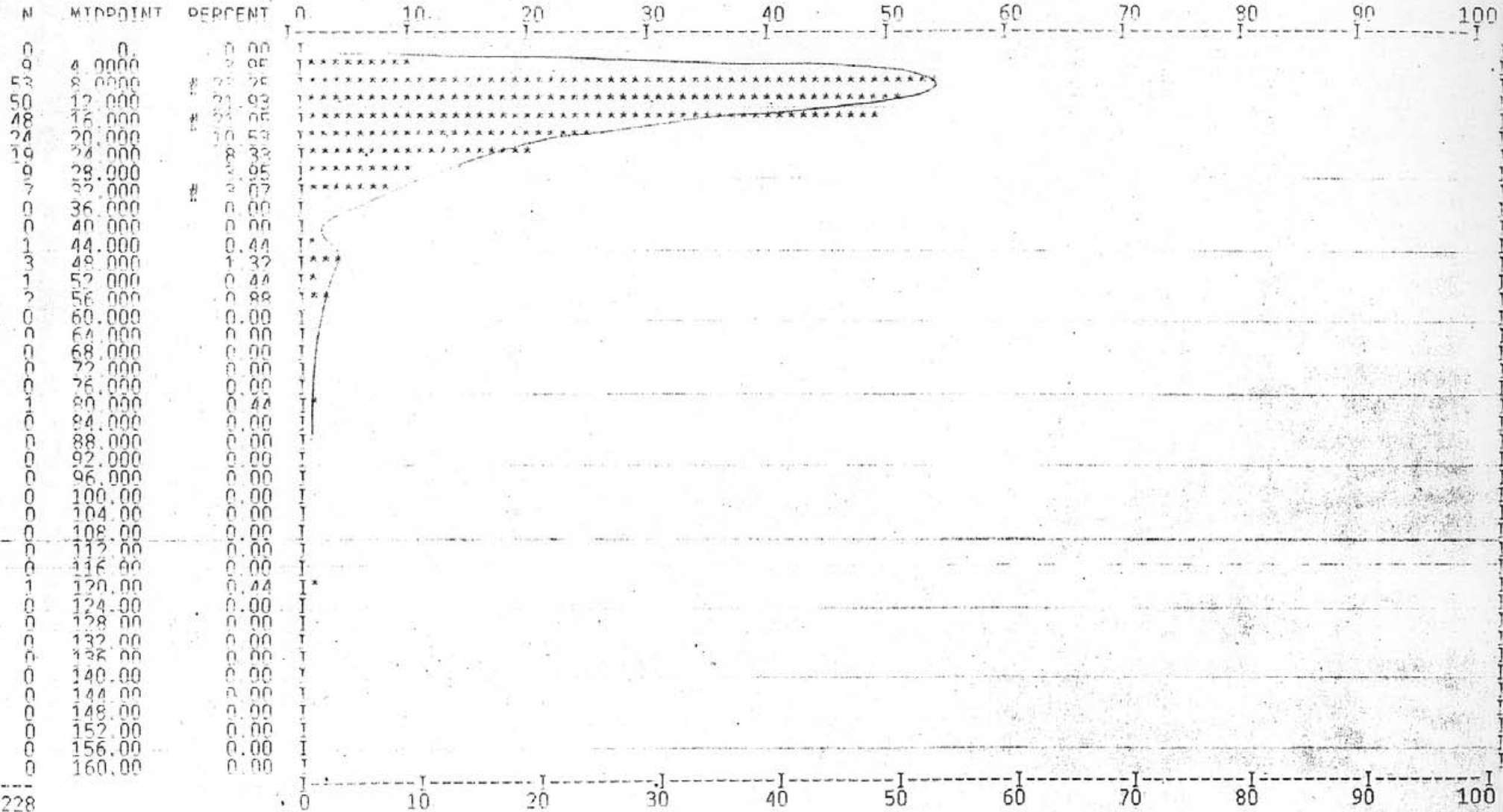
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Median 14.0000

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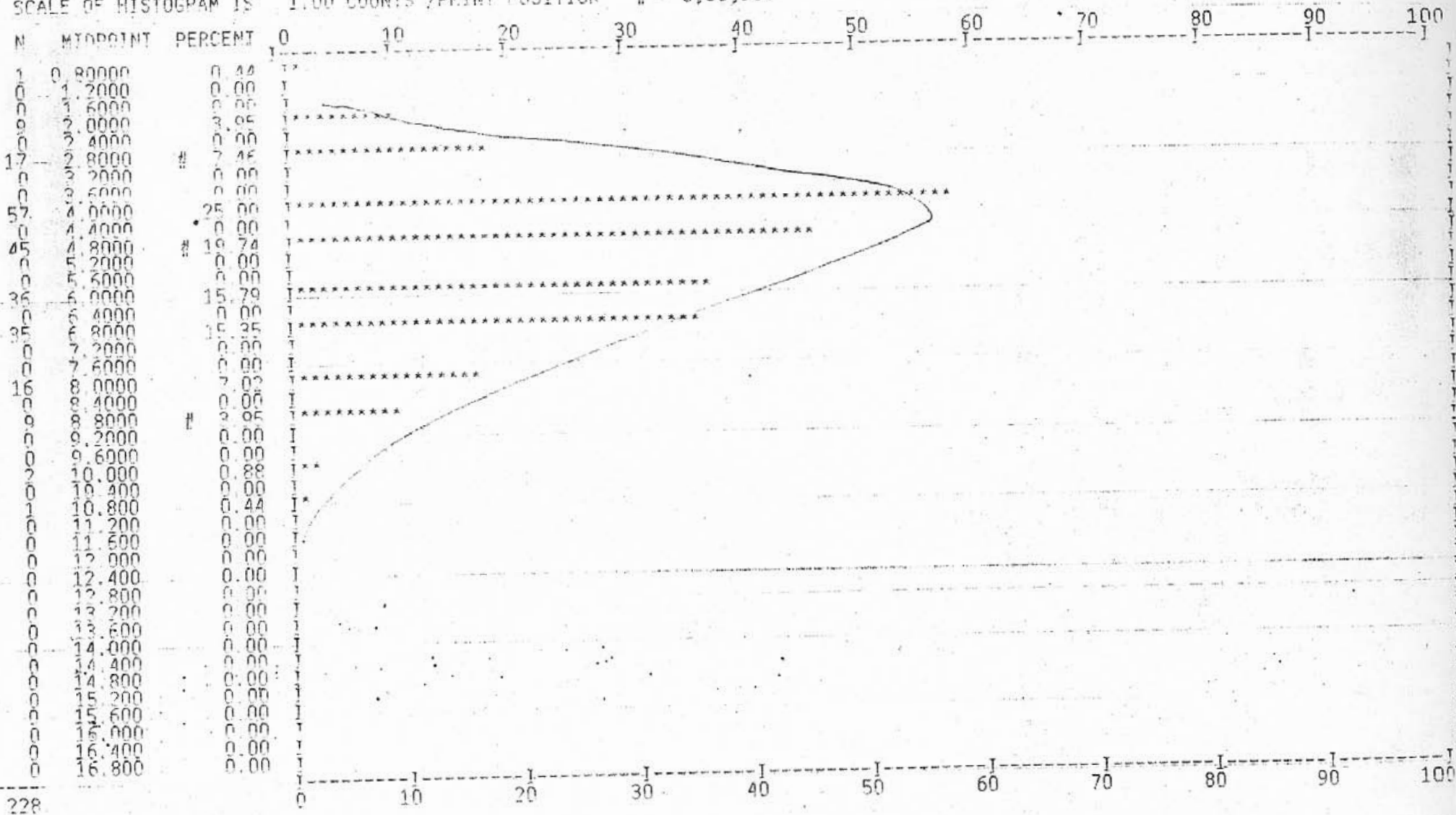
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STD. DEV: 1.80681

Median 5.00000

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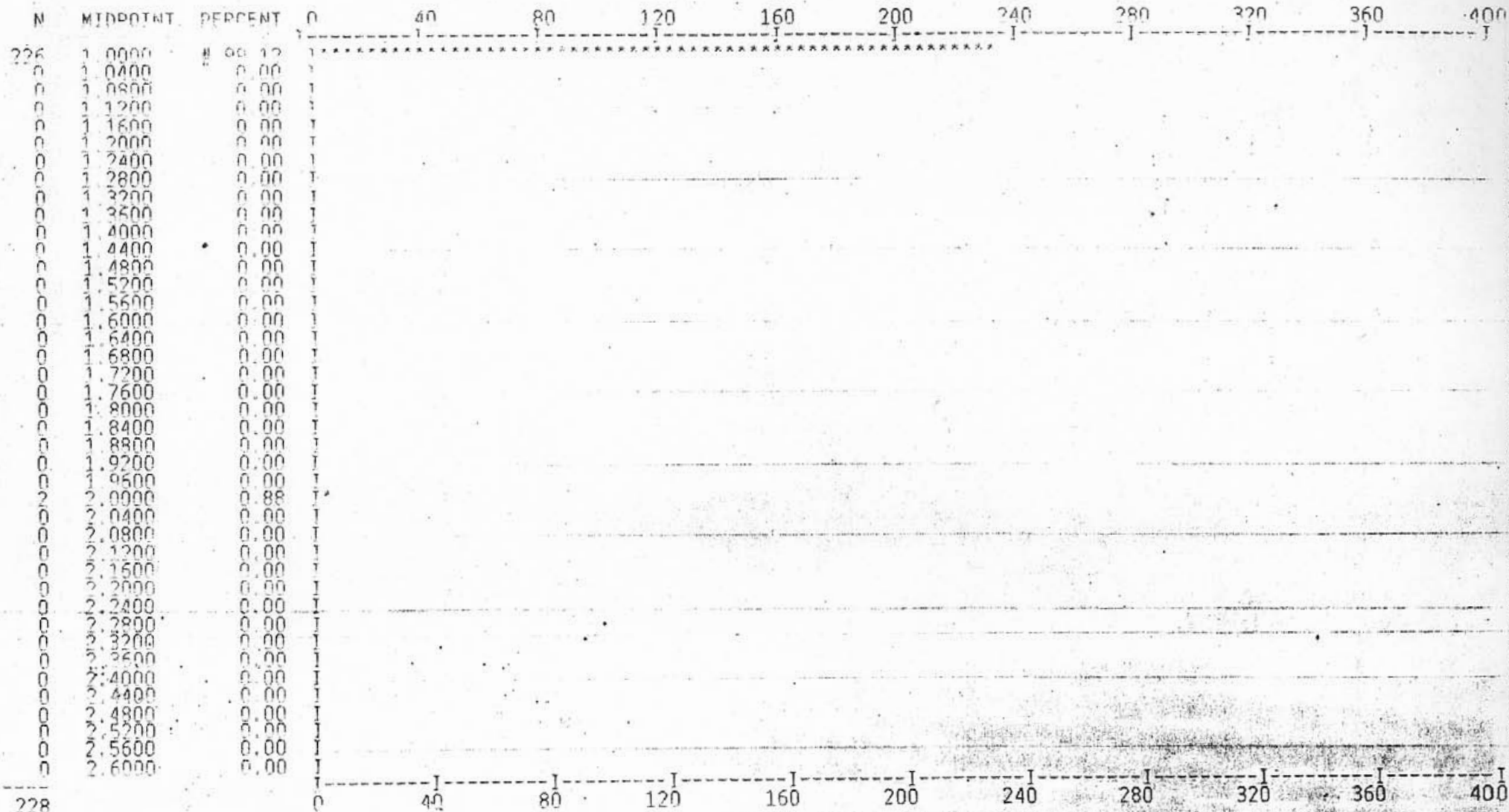
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to 310.000

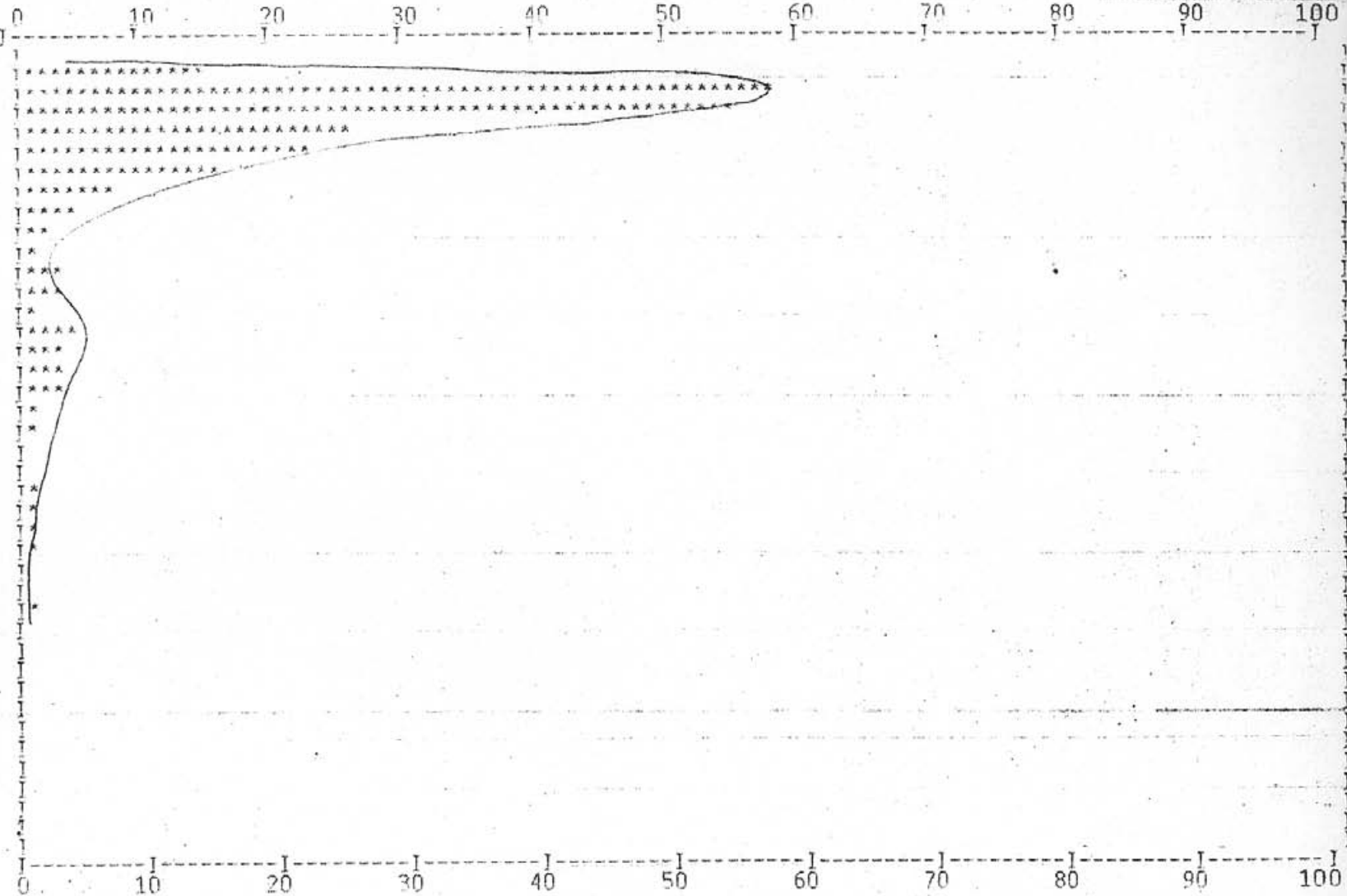
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22	80.000	9.65
15	90.000	6.58
7	100.00	3.07
4	110.00	1.75
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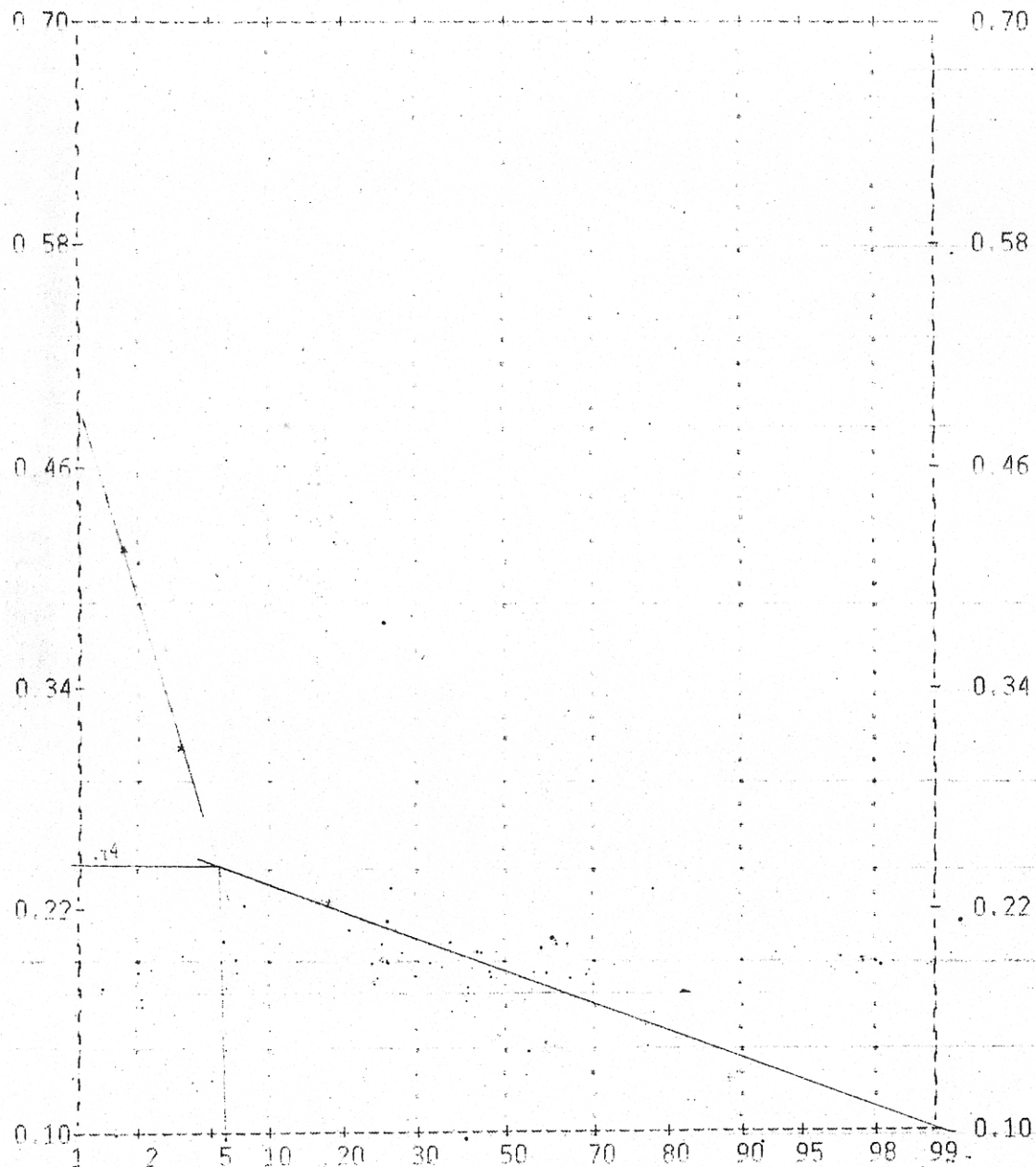
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0.25600	0	0.000	0.044
0.24400	0	0.000	0.044
0.23200	0	0.000	0.044
0.22000	0	0.000	0.044
0.20800	32	0.140	0.184
0.19600	0	0.000	0.184
0.18400	0	0.000	0.184
0.17200	0	0.000	0.184
0.16000	0	0.000	0.184
0.14800	0	0.000	0.184
0.13600	0	0.000	0.184
0.12400	0	0.000	0.184
0.11200	186	0.816	1.000
0.10000	0	0.000	1.000



CUMULATIVE FREQUENCY (PROBABILITY SCALE)

PRBPLT:

1990 JED SOIL DATA

RUN ON 91:02:05 AT 15:58:17

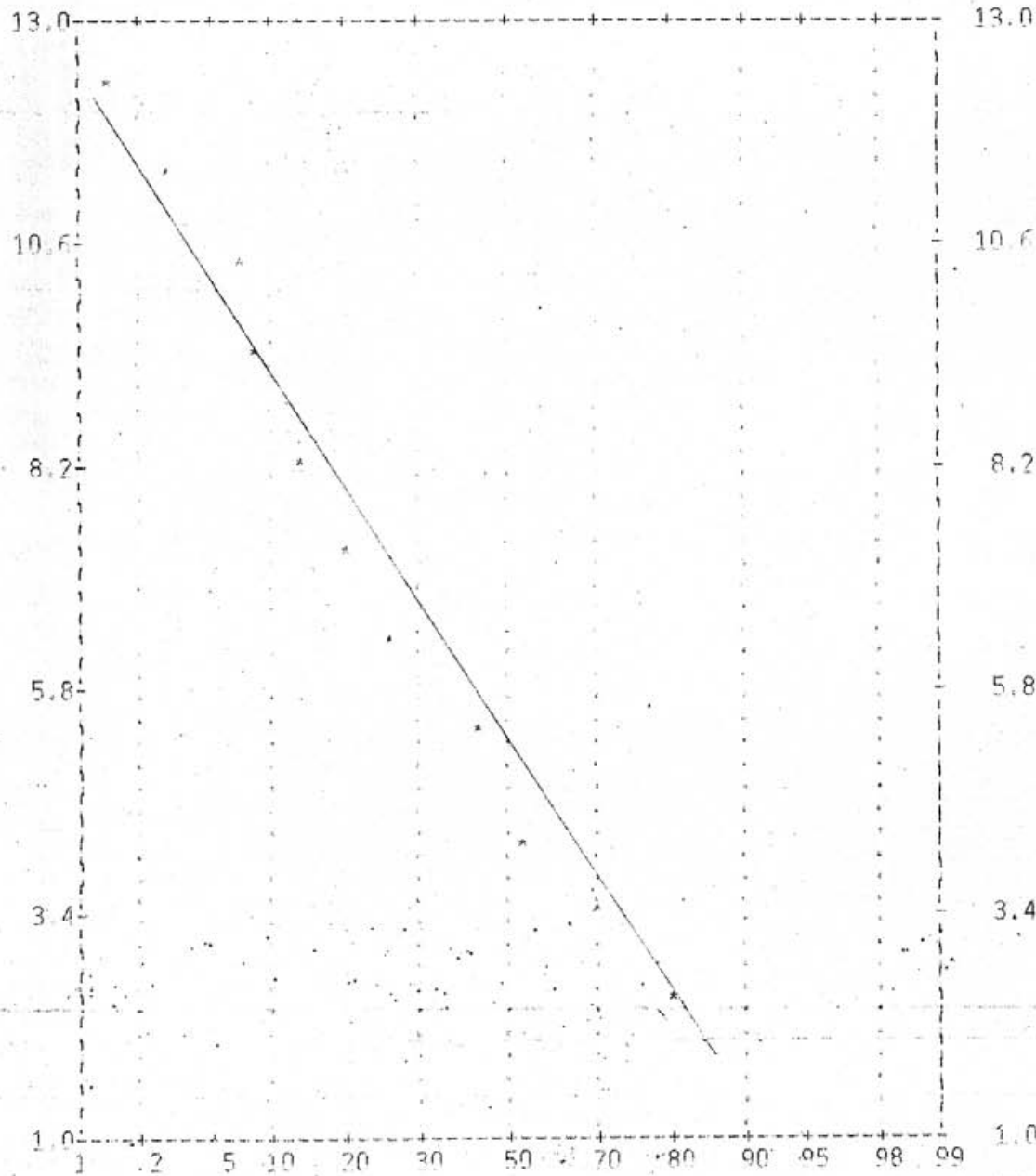
file: jed.90soil

Field name: AS

LOG = 0

REPVAL = 0.00100

MIN = 1.0000    MAX = 13.0000    MEAN = 4.3289    STD DEV = 2.8240  
NUMBER OF DATA PLOTTED = 228    ( 0 NULLS    0 < YMIN    0 > YMAX)



CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum	Freq
13.000	1	0.004	0.004	0.004
12.760	0	0.000	0.004	0.004
12.520	0	0.000	0.004	0.004
12.280	0	0.000	0.004	0.004
12.040	3	0.013	0.018	0.018
11.800	0	0.000	0.018	0.018
11.560	0	0.000	0.018	0.018
11.320	0	0.000	0.018	0.018
11.080	4	0.018	0.035	0.035
10.840	0	0.000	0.035	0.035
10.600	0	0.000	0.035	0.035
10.360	0	0.000	0.035	0.035
10.120	10	0.044	0.079	0.079
9.8800	0	0.000	0.079	0.079
9.6400	0	0.000	0.079	0.079
9.4000	0	0.000	0.079	0.079
9.1600	4	0.018	0.097	0.097
8.9200	0	0.000	0.097	0.097
8.6800	0	0.000	0.097	0.097
8.4400	0	0.000	0.097	0.097
8.2000	8	0.035	0.132	0.132
7.9600	0	0.000	0.132	0.132
7.7200	0	0.000	0.132	0.132
7.4800	0	0.000	0.132	0.132
7.2400	0	0.000	0.132	0.132
7.0000	17	0.075	0.206	0.206
6.7600	0	0.000	0.206	0.206
6.5200	0	0.000	0.206	0.206
6.2800	0	0.000	0.206	0.206
6.0400	16	0.070	0.276	0.276
5.8000	0	0.000	0.276	0.276
5.5600	0	0.000	0.276	0.276
5.3200	0	0.000	0.276	0.276
5.0800	37	0.162	0.439	0.439
4.8400	0	0.000	0.439	0.439
4.6000	0	0.000	0.439	0.439
4.3600	0	0.000	0.439	0.439
4.1200	22	0.097	0.536	0.536
3.8800	0	0.000	0.536	0.536
3.6400	0	0.000	0.536	0.536
3.4000	0	0.000	0.536	0.536
3.1600	35	0.154	0.689	0.689
2.9200	0	0.000	0.689	0.689
2.6800	0	0.000	0.689	0.689
2.4400	0	0.000	0.689	0.689
2.2000	30	0.132	0.820	0.820
1.9600	0	0.000	0.820	0.820
1.7200	0	0.000	0.820	0.820
1.4800	0	0.000	0.820	0.820
1.2400	41	0.180	1.000	1.000
1.0000	0	0.000	1.000	1.000

CUMULATIVE FREQUENCY (PROBABILITY SCALE)

PRRPLT

1000 JED SOIL DATA

RUN ON 91:02:05 AT 15:58:17

Field name: AU

LOG = 0

REPVAL =

0.00100

MTN = 2.0000

MAX = 3670.0

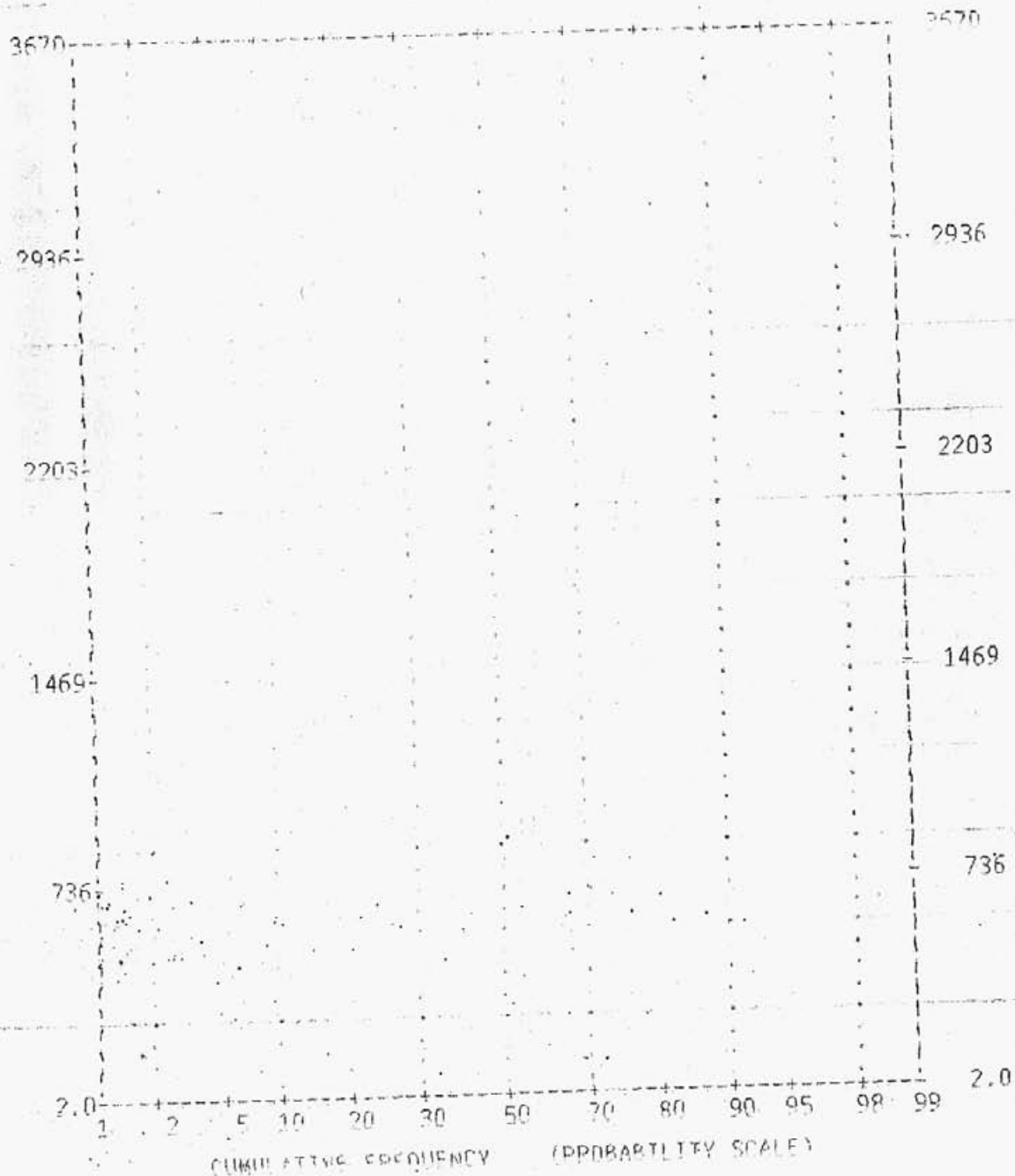
MEAN = 27.886

STD DEV = 265.37

NUMBER OF DATA PLOTTED = 223

0 < YMIN

(0 > YMAX)



CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
3670.0	1	0.004	0.004
3596.6	0	0.000	0.004
3523.3	0	0.000	0.004
3449.9	0	0.000	0.004
3376.6	0	0.000	0.004
3303.3	0	0.000	0.004
3229.9	0	0.000	0.004
3156.6	0	0.000	0.004
3083.3	0	0.000	0.004
3009.9	0	0.000	0.004
2936.6	0	0.000	0.004
2863.3	0	0.000	0.004
2789.9	0	0.000	0.004
2716.6	0	0.000	0.004
2643.3	0	0.000	0.004
2569.9	0	0.000	0.004
2496.6	0	0.000	0.004
2422.3	0	0.000	0.004
2349.9	0	0.000	0.004
2276.6	0	0.000	0.004
2202.3	0	0.000	0.004
2129.9	0	0.000	0.004
2056.6	0	0.000	0.004
1982.3	0	0.000	0.004
1909.9	0	0.000	0.004
1836.6	0	0.000	0.004
1762.3	0	0.000	0.004
1689.9	1	0.004	0.009
1615.6	0	0.000	0.009
1542.3	0	0.000	0.009
1469.9	0	0.000	0.009
1395.6	0	0.000	0.009
1322.3	0	0.000	0.009
1249.9	0	0.000	0.009
1175.6	0	0.000	0.009
1102.3	0	0.000	0.009
1029.9	0	0.000	0.009
955.6	0	0.000	0.009
882.3	0	0.000	0.009
808.9	0	0.000	0.009
735.6	0	0.000	0.009
662.3	0	0.000	0.009
588.9	0	0.000	0.009
515.5	0	0.000	0.009
442.2	0	0.000	0.009
368.9	0	0.000	0.009
295.5	0	0.000	0.009
222.2	0	0.000	0.009
148.9	3	0.013	0.022
75.360	223	0.978	1.000
2.0000	0	0.000	1.000

file: jed 90r031

Field name: CU

LOG = 0

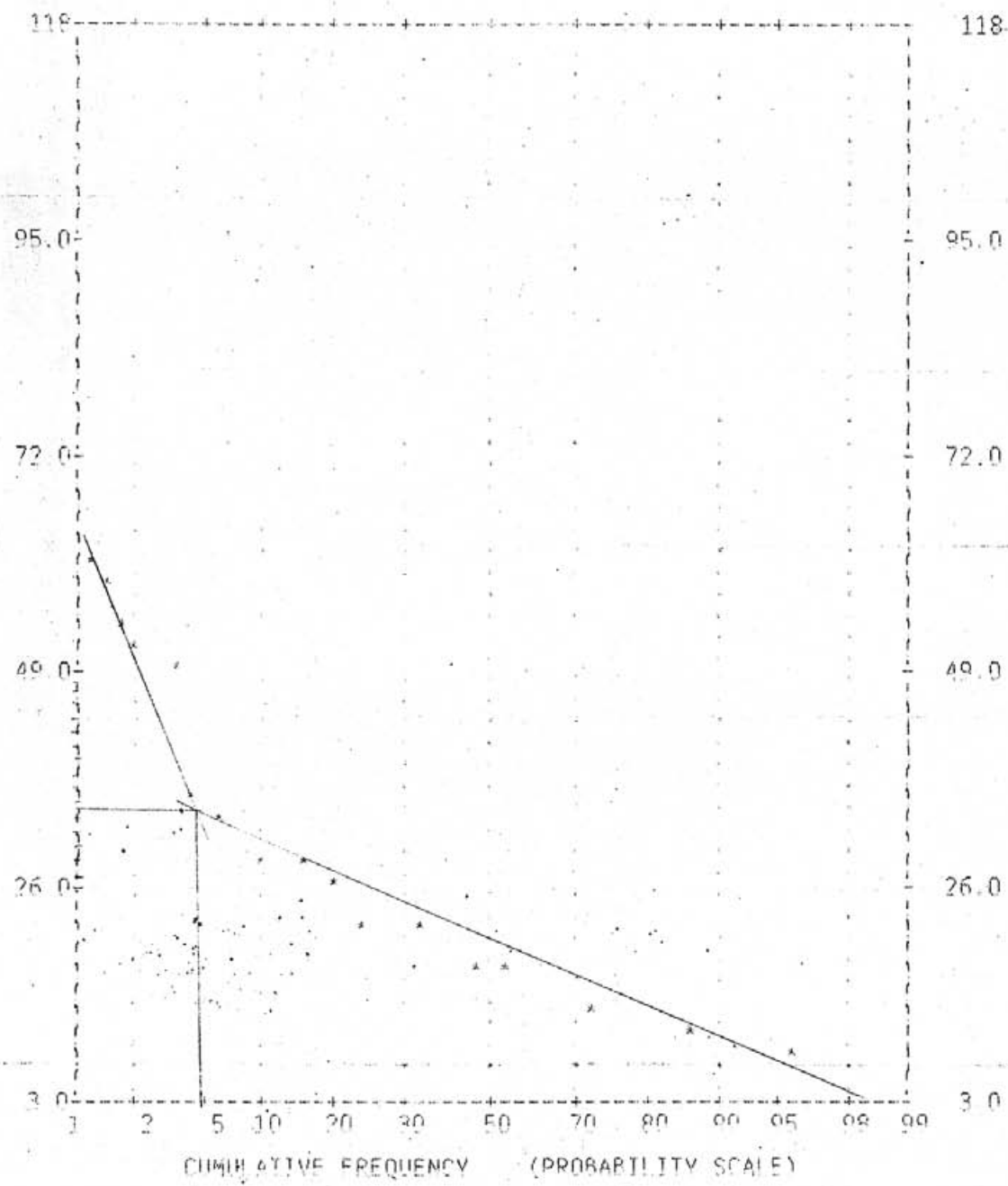
REPVAL =

0.00100

MIN = 3.0000    MAX = 118.00    MEAN = 16.211    STD DEV = 11.909  
 NUMBER OF DATA PLOTTED = 228 ( 0 NULLS    0 < YMIN    0 > YMAX)

CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
118.00	1	0.004	0.004
115.70	0	0.000	0.004
113.40	0	0.000	0.004
111.10	0	0.000	0.004
108.80	0	0.000	0.004
106.50	0	0.000	0.004
104.20	0	0.000	0.004
101.90	0	0.000	0.004
99.600	0	0.000	0.004
97.300	0	0.000	0.004
95.000	0	0.000	0.004
92.700	0	0.000	0.004
90.400	0	0.000	0.004
88.100	0	0.000	0.004
85.800	0	0.000	0.004
83.500	0	0.000	0.004
81.200	0	0.000	0.004
78.900	1	0.004	0.009
76.600	0	0.000	0.009
74.300	0	0.000	0.009
72.000	0	0.000	0.009
69.700	0	0.000	0.009
67.400	0	0.000	0.009
65.100	0	0.000	0.009
62.800	0	0.000	0.009
60.500	0	0.000	0.009
58.200	1	0.004	0.013
55.900	1	0.004	0.018
53.600	0	0.000	0.018
51.300	1	0.004	0.022
49.000	3	0.013	0.026
46.700	3	0.013	0.040
44.400	0	0.000	0.040
42.100	0	0.000	0.040
39.800	0	0.000	0.040
37.500	0	0.000	0.040
35.200	0	0.000	0.040
32.900	2	0.009	0.048
30.600	6	0.026	0.075
28.300	7	0.031	0.105
26.000	13	0.057	0.162
23.700	7	0.031	0.193
21.400	12	0.053	0.246
19.100	24	0.105	0.351
16.800	28	0.123	0.474
14.500	19	0.083	0.557
12.200	39	0.171	0.728
9.9000	34	0.149	0.877
7.6000	19	0.083	0.961
5.3000	9	0.040	1.000
3.0000	0	0.000	1.000





file: jed.90s041

Field Name: PE

LOG = 0

RIVAL = 0.00100

MIN = 1.0000

MAX = 11.0000

MEAN = 5.3684

STD DEV = 1.8068

NUMBER OF DATA PLOTTED = 228

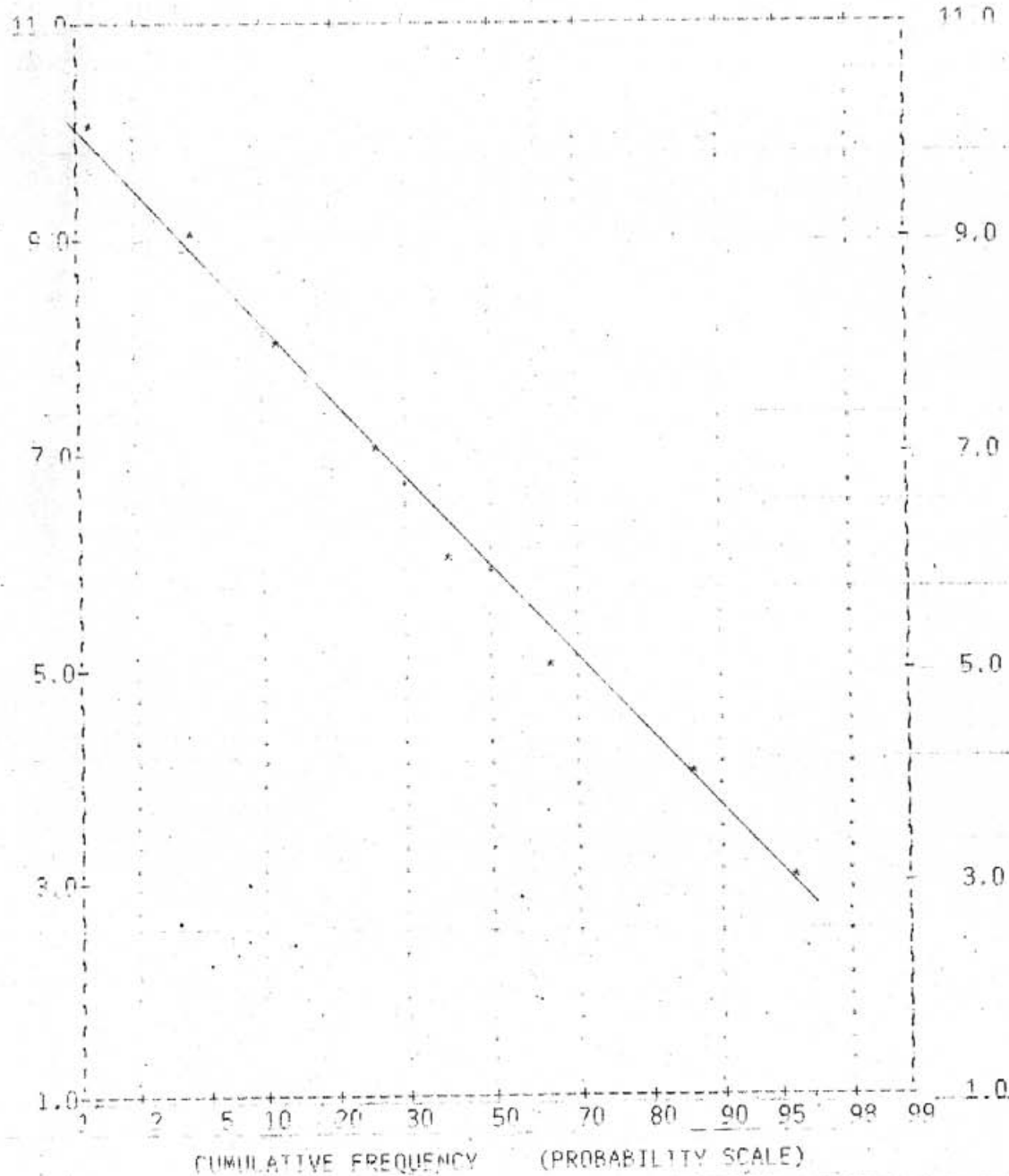
0 MILLS

0 < YMIN

0 < YMAX

CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
11.0000	1	0.004	0.004
10.8000	0	0.000	0.004
10.6000	0	0.000	0.004
10.4000	0	0.000	0.004
10.2000	0	0.000	0.004
10.0000	2	0.009	0.013
9.8000	0	0.000	0.013
9.6000	0	0.000	0.013
9.4000	0	0.000	0.013
9.2000	0	0.000	0.013
9.0000	9	0.040	0.053
8.8000	0	0.000	0.053
8.6000	0	0.000	0.053
8.4000	0	0.000	0.053
8.2000	0	0.000	0.053
8.0000	16	0.070	0.123
7.8000	0	0.000	0.123
7.6000	0	0.000	0.123
7.4000	0	0.000	0.123
7.2000	0	0.000	0.123
7.0000	35	0.154	0.276
6.8000	0	0.000	0.276
6.6000	0	0.000	0.276
6.4000	0	0.000	0.276
6.2000	0	0.000	0.276
6.0000	36	0.158	0.434
5.8000	0	0.000	0.434
5.6000	0	0.000	0.434
5.4000	0	0.000	0.434
5.2000	0	0.000	0.434
5.0000	45	0.197	0.632
4.8000	0	0.000	0.632
4.6000	0	0.000	0.632
4.4000	0	0.000	0.632
4.2000	0	0.000	0.632
4.0000	57	0.250	0.882
3.8000	0	0.000	0.882
3.6000	0	0.000	0.882
3.4000	0	0.000	0.882
3.2000	0	0.000	0.882
3.0000	17	0.075	0.956
2.8000	0	0.000	0.956
2.6000	0	0.000	0.956
2.4000	0	0.000	0.956
2.2000	0	0.000	0.956
2.0000	9	0.040	0.996
1.8000	0	0.000	0.996
1.6000	0	0.000	0.996
1.4000	0	0.000	0.996
1.2000	1	0.004	1.000
1.0000	0	0.000	1.000



PRBPI T:

1990 JED SOIL DATA

RUN ON 91:02:05 AT 15:58:17

file: jed 90e.s12

Field name: SB

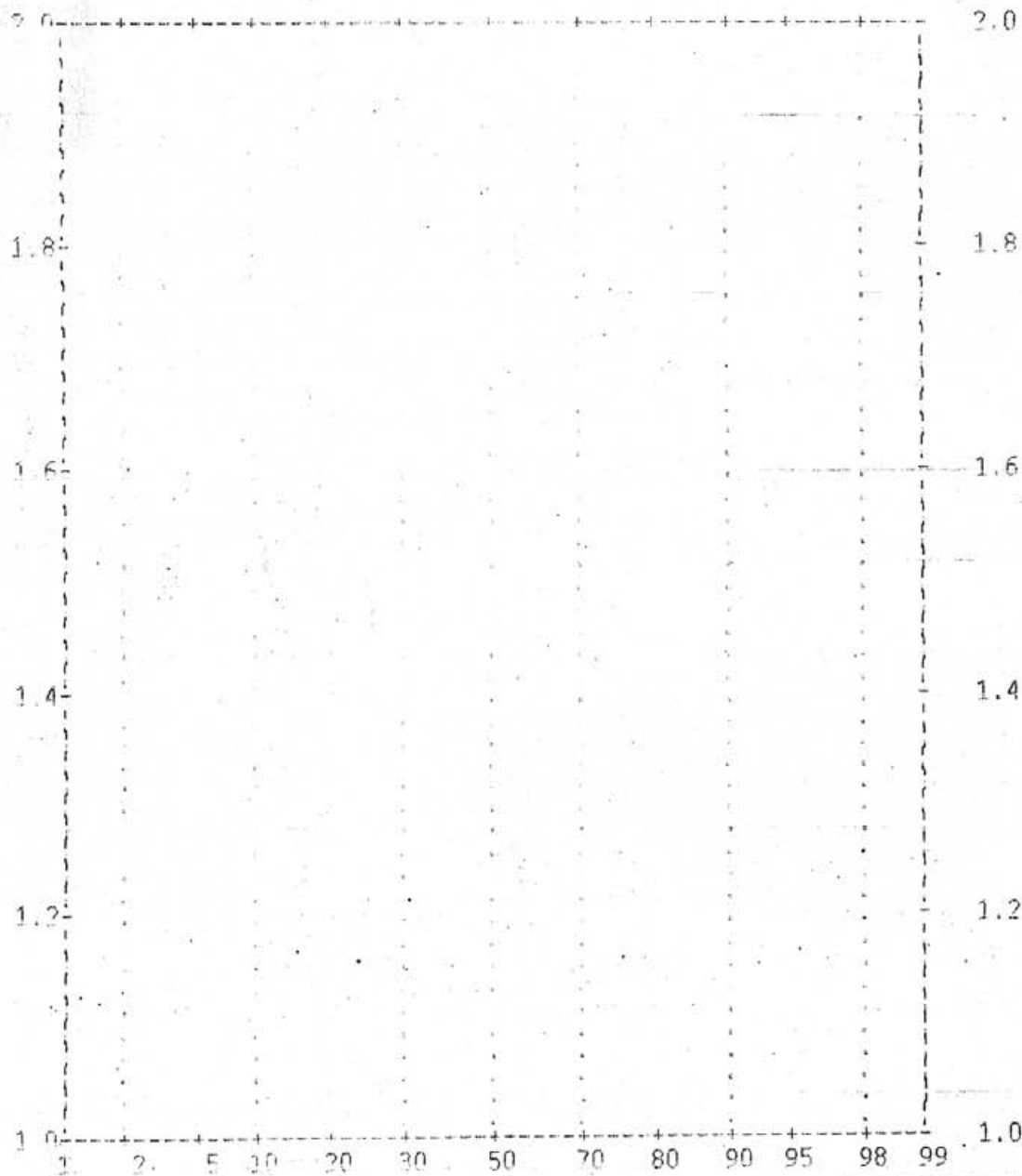
LOG = 0

REPVAL = 0.00100

MIN = 1.0000    MAX = 2.0000    MEAN = 1.0089    STD DEV = .93452e-01  
NUMBER OF DATA PLOTTED = 226    ( 0 NULLS    0 < YMIN    0 > YMAX)

CLASSIFICATION TABLE

Max Val	Max 1	Freq	Cum Freq
2.0000	0	0.000	0.009
1.9800	0	0.000	0.009
1.9600	0	0.000	0.009
1.9400	0	0.000	0.009
1.9200	0	0.000	0.009
1.9000	0	0.000	0.009
1.8800	0	0.000	0.009
1.8600	0	0.000	0.009
1.8400	0	0.000	0.009
1.8200	0	0.000	0.009
1.8000	0	0.000	0.009
1.7800	0	0.000	0.009
1.7600	0	0.000	0.009
1.7400	0	0.000	0.009
1.7200	0	0.000	0.009
1.7000	0	0.000	0.009
1.6800	0	0.000	0.009
1.6600	0	0.000	0.009
1.6400	0	0.000	0.009
1.6200	0	0.000	0.009
1.6000	0	0.000	0.009
1.5800	0	0.000	0.009
1.5600	0	0.000	0.009
1.5400	0	0.000	0.009
1.5200	0	0.000	0.009
1.5000	0	0.000	0.009
1.4800	0	0.000	0.009
1.4600	0	0.000	0.009
1.4400	0	0.000	0.009
1.4200	0	0.000	0.009
1.4000	0	0.000	0.009
1.3800	0	0.000	0.009
1.3600	0	0.000	0.009
1.3400	0	0.000	0.009
1.3200	0	0.000	0.009
1.3000	0	0.000	0.009
1.2800	0	0.000	0.009
1.2600	0	0.000	0.009
1.2400	0	0.000	0.009
1.2200	0	0.000	0.009
1.2000	0	0.000	0.009
1.1800	0	0.000	0.009
1.1600	0	0.000	0.009
1.1400	0	0.000	0.009
1.1200	0	0.000	0.009
1.1000	0	0.000	0.009
1.0800	0	0.000	0.009
1.0600	0	0.000	0.009
1.0400	0	0.000	0.009
1.0200	226	0.991	1.000
1.0000	0	0.000	1.000



CUMULATIVE FREQUENCY (PROBABILITY SCALE)

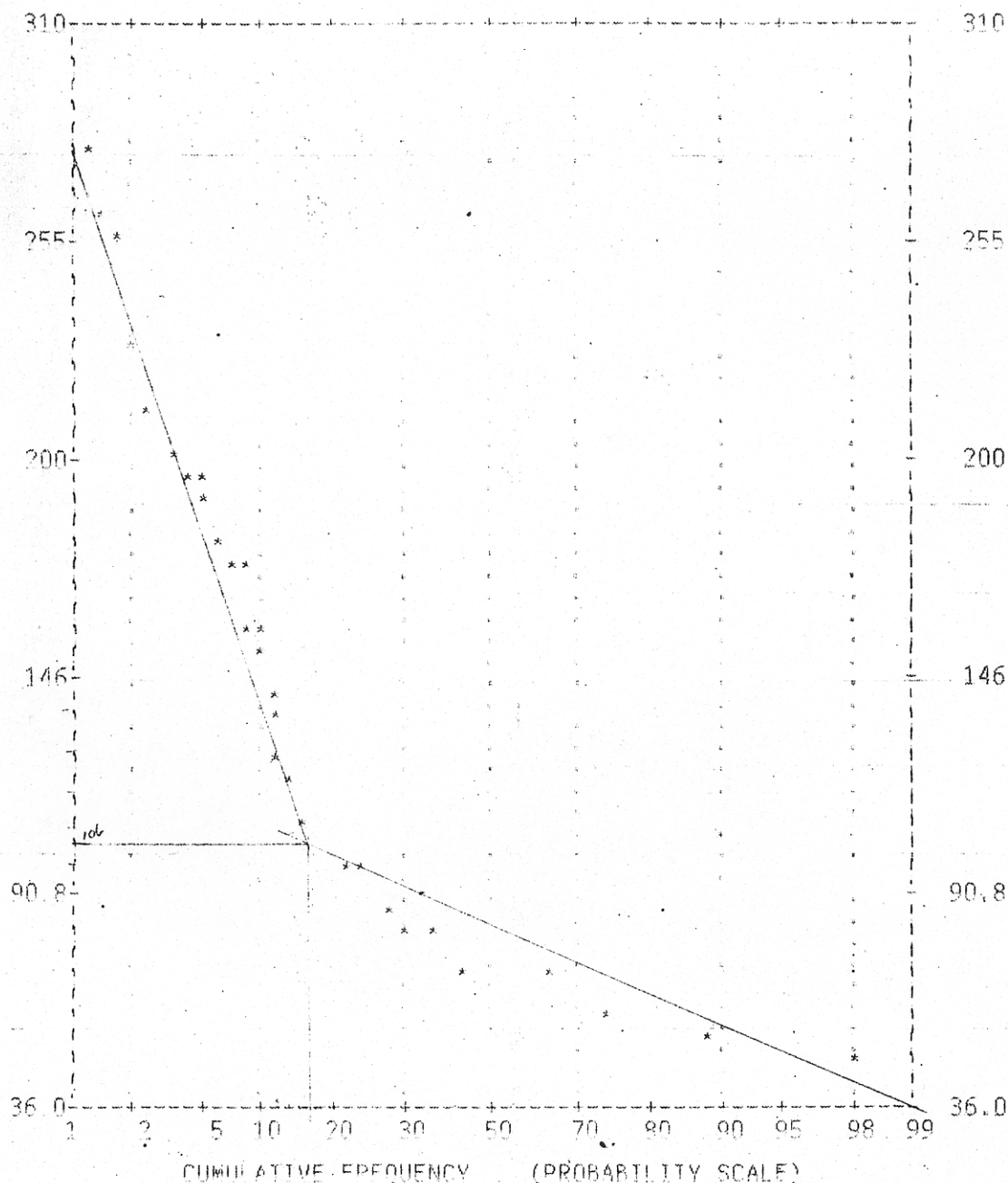
PRBPLT:  
file: jed.90soil.

1000 150 SOIL DATA

RUN ON 91:02:05 AT 15:58:17

Field name: ZM LOG = 0 MEVAL = 0.00100

MIN = 36.000 MAX = 310.00 MEAN = 79.452 STD DEV = 47.407  
NUMBER OF DATA PLOTTED = 228 ( 0 NULLS 0 YMIN 0 > YMAX)



CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
310.00	1	0.004	0.004
304.52	0	0.000	0.004
299.04	0	0.000	0.004
293.56	0	0.000	0.004
288.08	0	0.000	0.004
282.60	1	0.004	0.009
277.12	0	0.000	0.009
271.64	1	0.004	0.013
266.16	0	0.000	0.013
260.68	0	0.000	0.018
255.20	1	0.004	0.022
249.72	0	0.000	0.022
244.24	0	0.000	0.025
238.76	0	0.000	0.022
233.28	0	0.000	0.022
227.80	0	0.000	0.022
222.32	1	0.004	0.026
216.84	0	0.000	0.026
211.36	1	0.004	0.031
205.88	0	0.000	0.031
200.40	3	0.013	0.044
194.92	1	0.004	0.048
189.44	2	0.009	0.057
183.96	1	0.004	0.061
178.48	3	0.013	0.075
173.00	0	0.000	0.083
167.52	1	0.004	0.088
162.04	0	0.000	0.088
156.56	1	0.004	0.092
151.08	2	0.009	0.101
145.60	2	0.009	0.110
140.12	2	0.009	0.118
134.64	1	0.004	0.123
129.16	0	0.000	0.123
123.68	1	0.004	0.127
118.20	3	0.013	0.140
112.72	1	0.004	0.145
107.24	3	0.013	0.158
101.76	1	0.004	0.162
96.280	14	0.061	0.224
90.800	4	0.018	0.241
85.320	11	0.048	0.289
79.840	12	0.053	0.342
74.360	12	0.053	0.395
68.880	15	0.070	0.465
63.400	30	0.171	0.636
57.920	24	0.105	0.741
52.440	35	0.154	0.895
46.960	19	0.083	0.978
41.480	5	0.022	1.000
36.000	0	0.000	1.000





APPENDIX III

EQUITY SILVER MINES LABORATORY  
SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

i) rock preparation

- samples are hot air dried and pulverized to -100 mesh

ii) analytical procedure for Cu, Zn, Pb, As, Sb, Ag, Fe

- 1 gram of pulverized material is dissolved in 5 ml of nitric acid
- solution is boiled for 15 minutes
- 20 ml of 2% tartaric and 10 ml hydrochloric acid are added
- solution is heated gently for 10 minutes
- solution is cooled and allowed to settle for 15 minutes
- analysis by Atomic Absorption

iii) analytical procedure for Au

- fire assay 25.0 gram sample with 130 grams of flux and 2 mg silver
- to prill from fire assay add 2 ml 1:1 nitric acid
- heat gently
- add 3 ml conc. hydrochloric acid
- cool solution to room temperature
- analysis by Atomic Absorption

**APPENDIX IV**

**JED CLAIMS - 1990 ASSAY RESULTS**



SAMP.	LEN m	DESCRIPTION	AU ppm	AU oz/ton	PD ppb	PT ppb	METHOD
J3	grab	andesite dyke		<.001			FA-GRAV
J4	grab	andesite dyke w/PY,CP		<.001			FA-GRAV
J5	grab	silicified andesite dyke		<.001			CN-AA
J8	grab	qtz. monzonite w/PY		<.001			CN-AA
J10	grab	qtz.stringers in qtz.monz.		<.001			CN-AA
J11	grab	andesite dyke		.001			CN-AA
J12	grab	andesite dyke w/CP		.006			FA-GRAV
J13	1.5	andesite dyke		.002			CN-AA
J14	grab	andesite dyke		.001			CN-AA
J15	grab	qtz.stringers in silicified andesite dyke		.178			METALLIC
J16	grab	qtz.stringers in silicified andesite dyke		.093			CN-AA
J17	grab	silicified andesite dyke w/PY		<.001			CN-AA
J18	grab	silicified andesite dyke w/CP	2.80		<2	<5	ICP-FL
J19	1.5	silicified andesite dyke	0.43				FA-AA
J20	grab	andesite dyke	0.02				FA-AA
J21	grab	quartz-diorite	0.02				FA-AA
J22	grab	rhyolite dyke	0.01				FA-AA
J23	grab	qtz.stringers in silicified andesite dyke		.065			METALLIC
J24	grab	qtz.stringers in silicified andesite dyke		.319			METALLIC
J25	1.5	qtz.stringers in silicified andesite dyke		.016			METALLIC
J26	1.5	silicified andesite dyke		.002			METALLIC
J27	1.5	silicified andesite dyke		.010			METALLIC
J31	grab	rhyolite dyke		<.001			CN-AA
J32	grab	andesite dyke w/CP	0.04				FA-AA
J33	grab	altered qtz.monzonite w/PY		.396			FA-GRAV
J34	grab	qtz.stringer in silicified andesite	0.06				FA-AA
J35	grab	silicified andesite dyke	0.11				FA-AA
J36	grab	silicified andesite dyke	0.05				FA-AA
J37	grab	andesite dyke w/PY	<0.01				FA-AA
J38	grab	rhyolite dyke	<0.01				FA-AA
J39	grab	shear zone in andesite?	0.02				FA-AA
J43	grab	qtz.stringer in silicified andesite dyke	4.30				FA-AA
J44	grab	altered qtz.monzonite	<0.01				FA-AA
J45	grab	altered qtz.monzonite	0.02				FA-AA
J48	grab	altered qtz.monzonite	0.03				FA-AA
J49	grab	altered qtz.monzonite	0.03				FA-AA
J50	grab	qtz.stringer in qtz.monzonite	0.03				FA-AA
J51	grab	qtz.stringer in qtz.monzonite	0.03				FA-AA

PY = pyrite CP = chalcophrite

9000 9200 9400 9600 9800 10,000 10,200 10,400

11,400

11,200

11,000

10,800

10,600

10,400

10,200

10,000

11,400

11,200

11,000

10,800

10,600

10,400

10,200

10,000

JED PROPERTY  
1990 SOIL COMPILATION MAP

LEGEND

ZINC > 150 PPM  
COPPER > 40 PPM  
GOLD > 100 PPB

□ ROCK SAMPLE

ALF LAKE

ANOMALY 3

JED 3

JED 4

ANOMALY 2

ANOMALY 1

JED 1

JED 2

JED 16

JED 15

JED 14

JED 12

JED 8

JED 6

J19-27  
J11-12  
J04-05  
J10  
J34  
J43  
J03  
J5-16, 18  
J32  
J35-36  
J39

J57  
J38  
J31

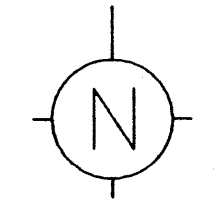
J08

J49  
J44  
J43  
J45

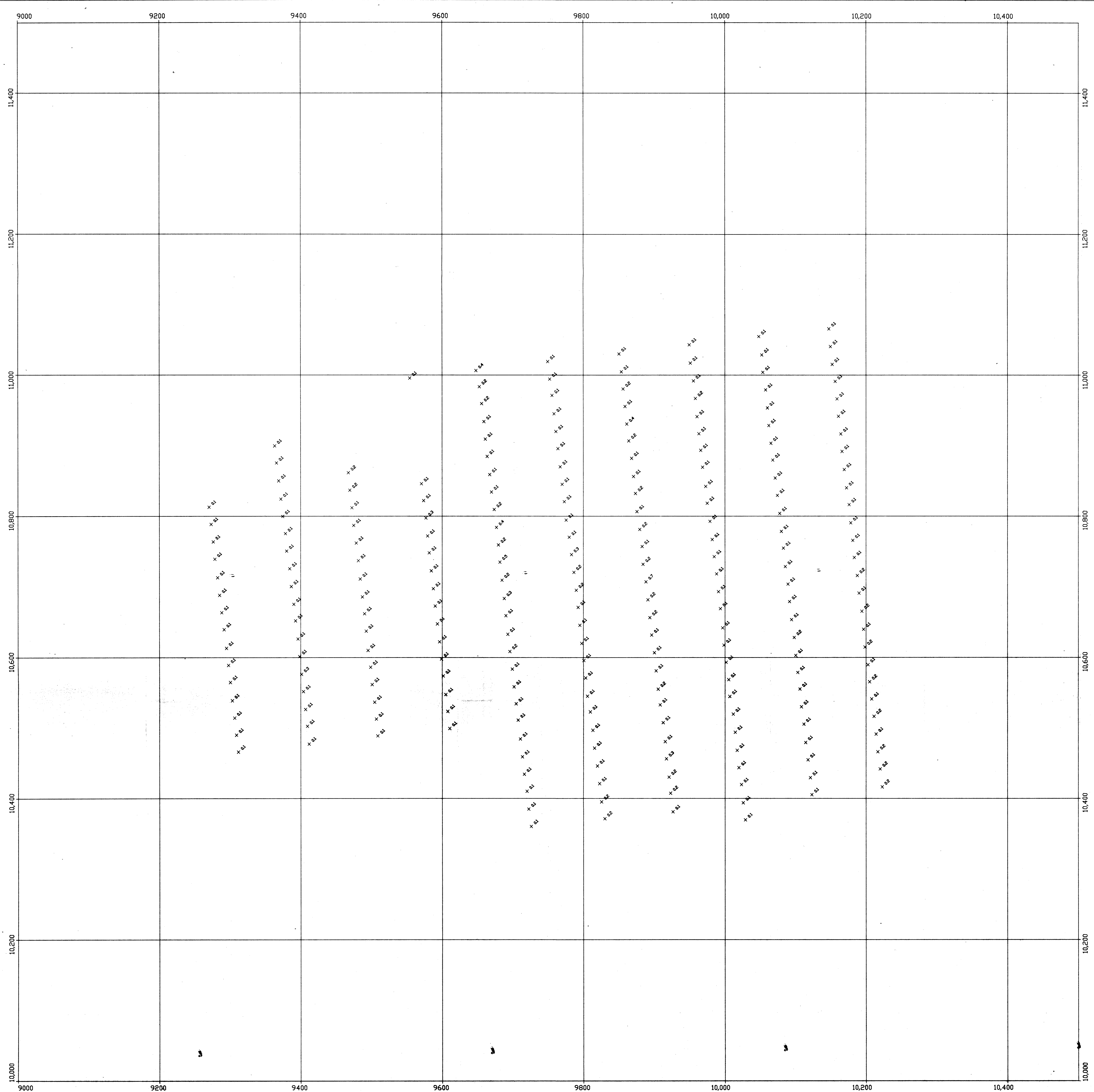
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,967

DATA PLOTTED ON THIS MAP:  
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EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 910206	JED PROPERTY
SCALE 1:2500	1990 COMPILATION MAP
	FIGURE 3
NO.	PLATE



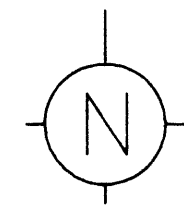
JED PROPERTY  
1990 SOIL GEOCHEMISTRY

LEGEND  
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x PPM SILVER

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,967

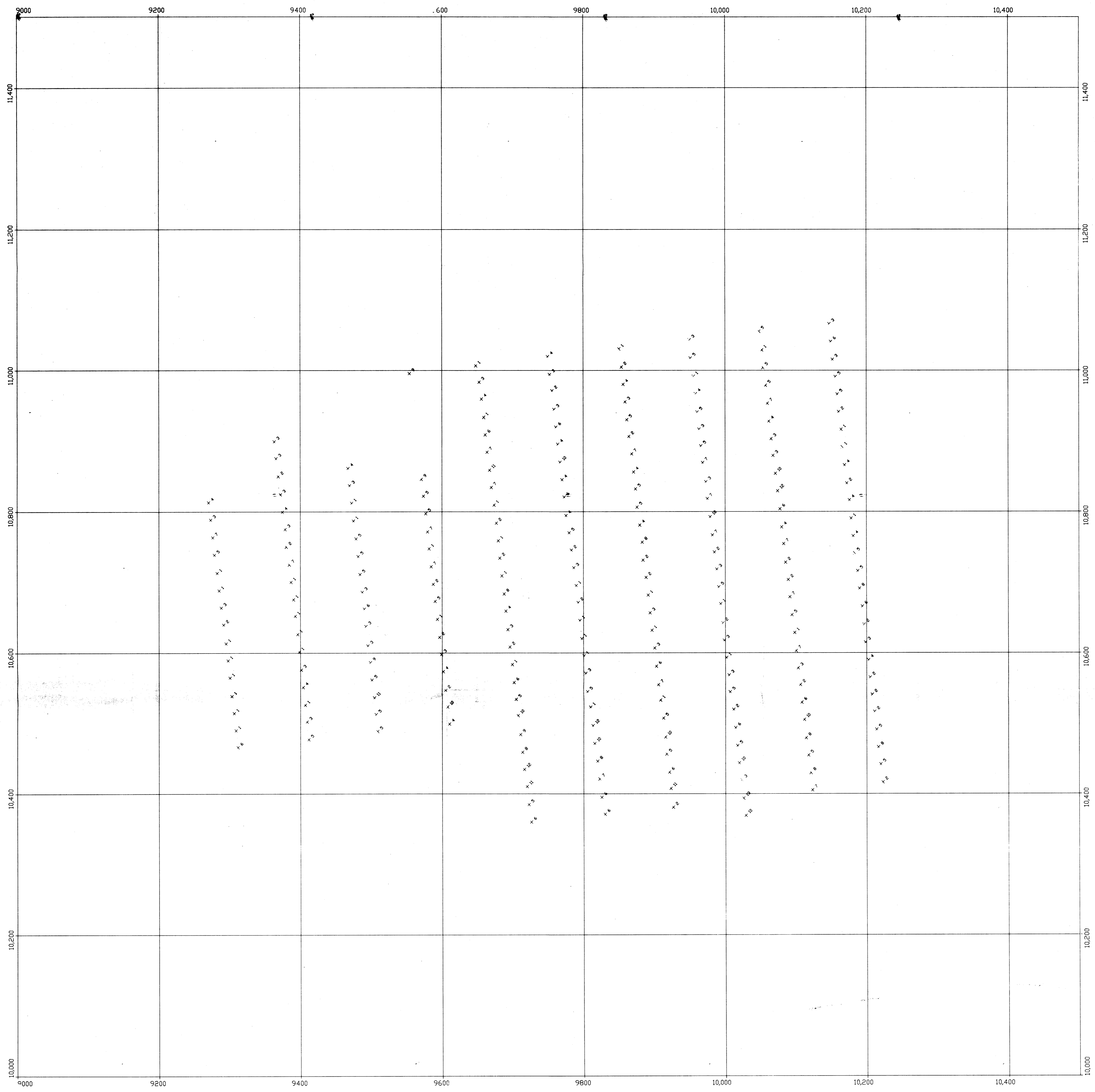
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EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 91.02.06	JED PROPERTY
SCALE 1:2500	1990 SOIL GEOCHEMISTRY
	FIGURE 4
IND.	PLATE

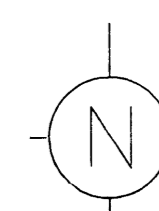
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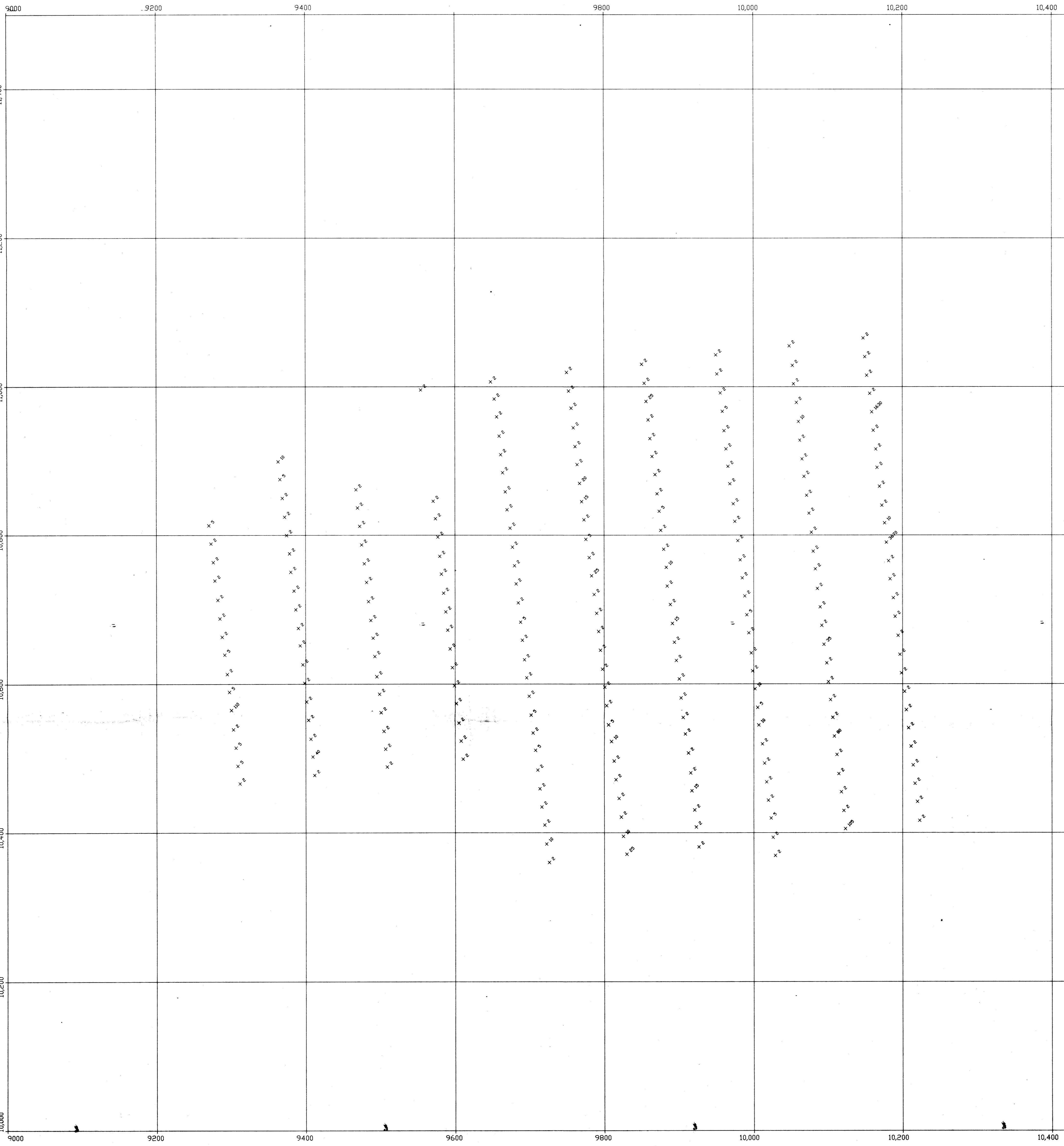


20967

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FIELD FILE  
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EQUITY SILVER MINES LTD	
DRAWN	EXP
JED PROPERTY	
1990 SOIL GEOCHEMISTRY	
DATE 91-02-06	FIGURE 5
SCALE 1:2500	NO. PLATE



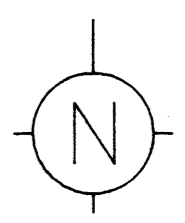
JED PROPERTY  
1990 SOIL GEOCHEMISTRY

LEGEND  
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x PPB GOLD

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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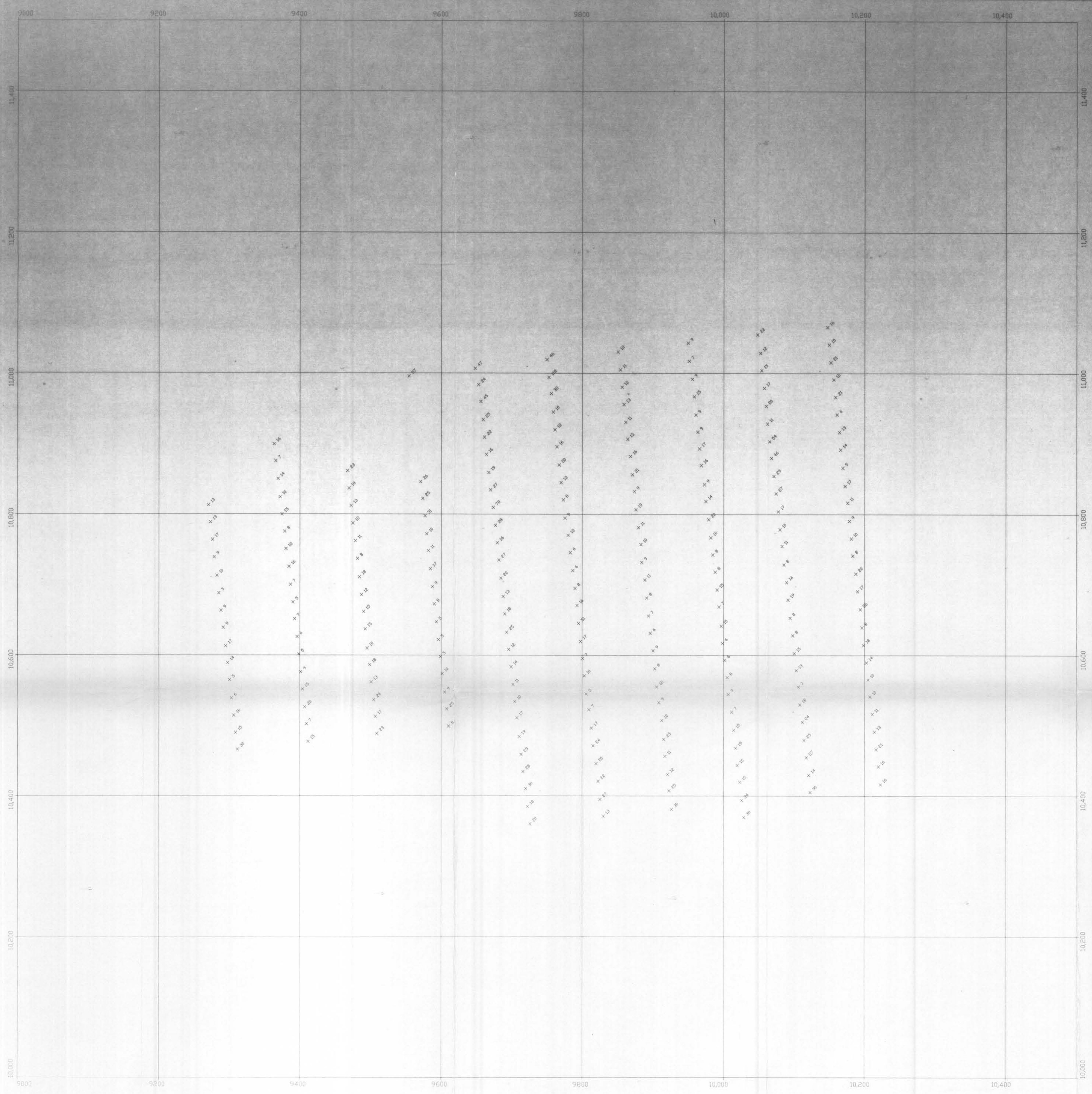
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FIELD FILE  
+ POINTS: AU JED.90SOIL



EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 910206	JED PROPERTY
SCALE 1:2500	1990 SOIL GEOCHEMISTRY
	FIGURE 6
NL	PLATE

LEGEND

x PPM COPPER

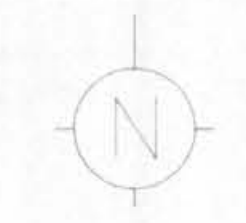


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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DATA PLOTTED ON THIS MAP:  
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FIELD FILE  
+ POINTS: CU JED.90SDIL

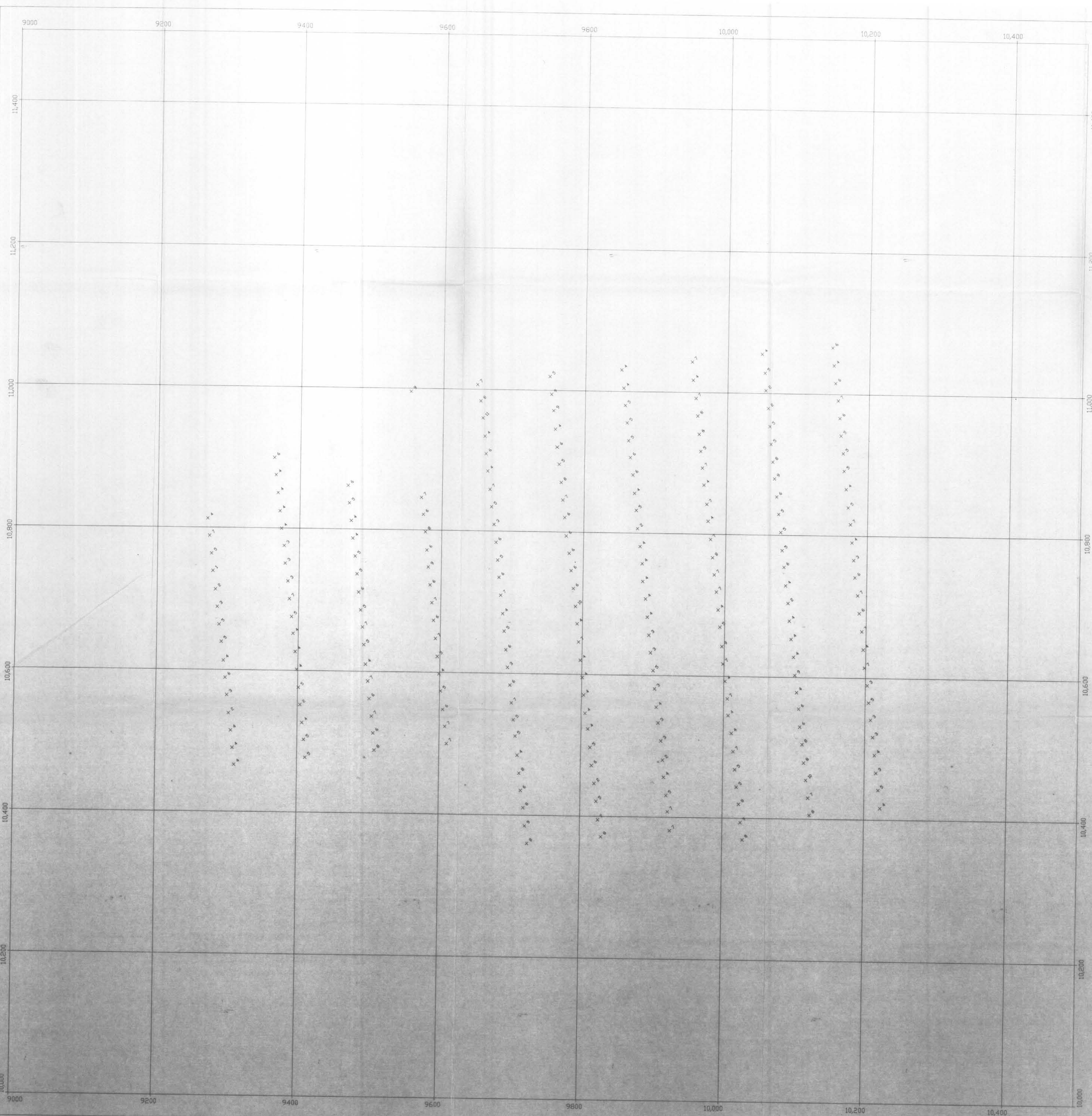


EQUITY SILVER MINES LTD	
DRAWN	EXP
JED PROPERTY	
1990 SOIL GEOCHEMISTRY	
SCALE 1:2500	
FIGURE 7	
NO.	PLATE

JED PROPERTY  
1990 SOIL GEOCHEMISTRY

LEGEND

x PPM LEAD



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

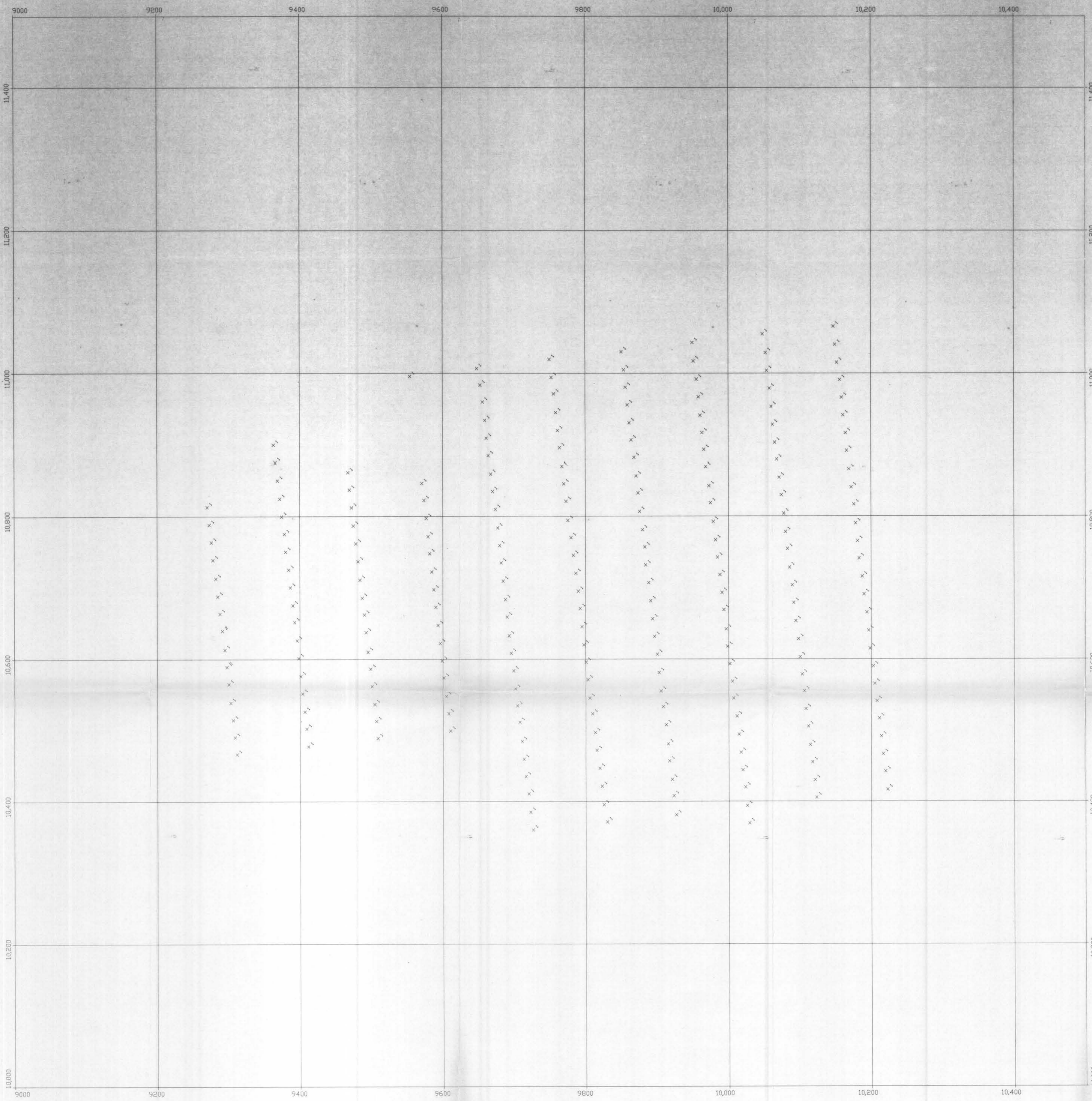
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DATA PLOTTED ON THIS MAP:  
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FIELD FILE  
+ POINTS: PB JED.90SOIL



EQUITY SILVER MINES LTD	
DRAWN	EXP
JED PROPERTY	
1990 SOIL GEOCHEMISTRY	
FIGURE 8	
NO.	PLATE



JED PROPERTY  
1990 SOIL GEOCHEMISTRY

LEGEND

x PPM ANTIMONY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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DATA PLOTTED ON THIS MAP:  
DIRECTORY: /EQUITY\_OD/USR/DATA

	FIELD	FILE
+ POINTS:	SB	JED.90SDIL



EQUITY SILVER MINES LTD	
JED PROPERTY	
1990 SOIL GEOCHEMISTRY	
FIGURE 9	
DRAWN	EXP
DATE 91-02-06	
SCALE 1:2500	
NDL	PLATE



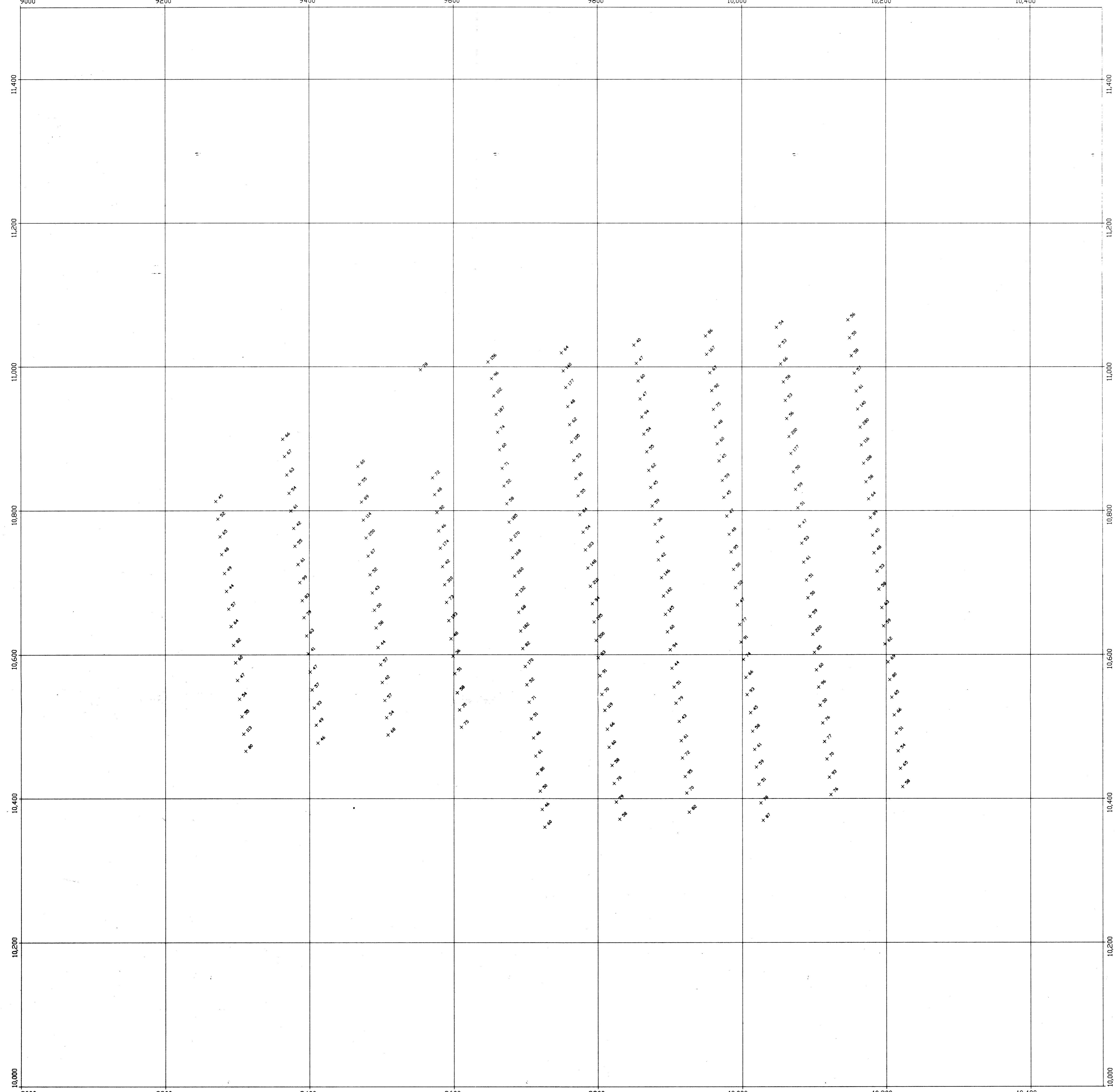
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11,400 11,200 11,000 10,800 10,600 10,400 10,200 10,000

JED PROPERTY  
1990 SOIL GEOCHEMISTRY

LEGEND

x PPM ZINC

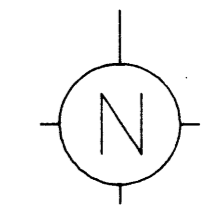


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 20,967

DATA PLOTTED ON THIS MAP:  
DIRECTORY: /EQUITY\_OD/USR/DATA

+ POINTS: ZN FIELD FILE JED.90SOIL



EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 91-02-06	JED PROPERTY
SCALE 1:2500	1990 SOIL GEOCHEMISTRY
	FIGURE 10
NO.	PLATE