

84-1328-13264



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,264

Assessment Report for the Geology

and Geochemistry of the

Zest Zone Trenching Programme

on the

SG51 and SG52 Mineral Claims

Omineca Mining Division

NTS 93 L/1

Latitude 54 10' N, Longitude 126 15' W

Owned by: Equity Silver Mines Limited

Work by: Equity Silver Mines Limited

Report by: R. B. Pease, B. Sc.

November, 1984

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INTRODUCTION

(i) Location and Access

The Equity Silver minesite is located 40 km southeast of the town of Houston, British Columbia (see Fig. 1). The minesite lies in the gentle, and occasionally steep, hills of the Nechako Plateau. Access is gained to the property by an all-weather, gravel road from Houston (see Fig. 2). The trenches are located in the area east of the Southern Tail pit, and south of the Main Zone pit (see Fig. 3). This area of the minesite property has come to be known as the Zest zone.

(ii) Claim Ownership and Status

The work was conducted on claims SG51 and SG52 which are wholly owned by Equity Silver Mines Limited (see Fig. 4). For the purpose of assessment, twenty-one adjoining claims have been grouped to form the 84-1 group. Table 1 lists the claims in group 84-1.

TABLE 1. Mineral Claims in Group 84-1

| <u>CLAIM NAME</u> | <u>RECORD NUMBER</u> | <u>CLAIM NAME</u> | <u>RECORD NUMBER</u> |
|-------------------|----------------------|-------------------|----------------------|
| SG51 | 54804 | T188 | 65636 |
| SG52 | 54805 | T189 | 65637 |
| T157 | 65605 | T220 | 65800 |
| T168 | 65616 | T221 | 65801 |
| T169 | 65617 | T222 | 65802 |
| T182 | 65630 | T223 | 65803 |
| T183 | 65631 | T236 | 65816 |
| T184 | 65632 | T237 | 65817 |
| T185 | 65633 | T238 | 65818 |
| T186 | 65634 | T239 | 65819 |
| T187 | 65635 | | |

Equity Silver Mines Limited has been continuously operating a 5 000 tpd open pit mining and milling complex at this location since mid 1980. Proven ore reserves, as of September 01, 1984, were approximately 20 million tonnes at a grade of 0.37% copper, 108 g/t silver, and 1.04 g/t gold.

(iii) Purpose

The purpose of the trenching programme was to expose bedrock in the Zest zone. Anomalous Cu-Zn-Ag values in soil had been previously determined in the area. Natural outcrop was very rare. It was hoped the trenching would confirm the presence of sulphide mineralization, and assist definition of diamond drill targets.

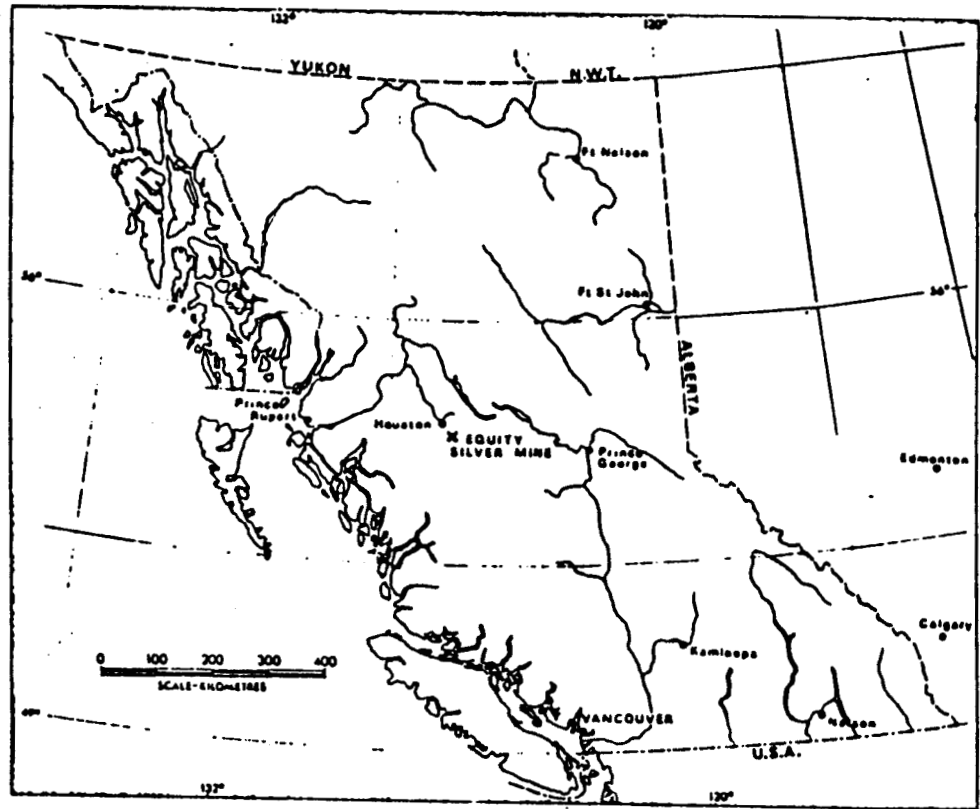
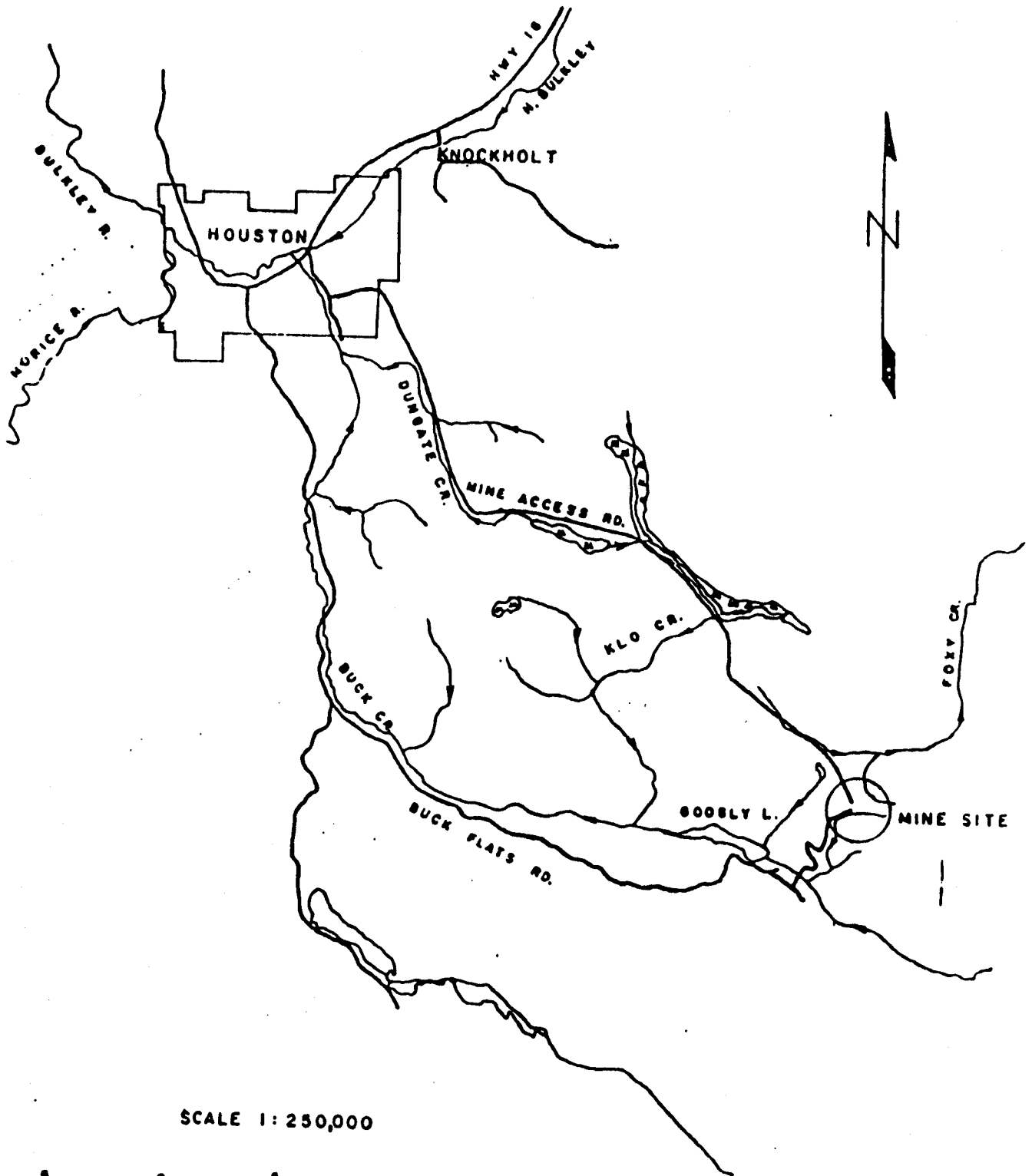


FIG. 1. Location map of the Equity Silver mine.

FIGURE 2. MINESITE LOCATION



SCALE 1:250,000



FIGURE 3. TRENCH LOCATIONS

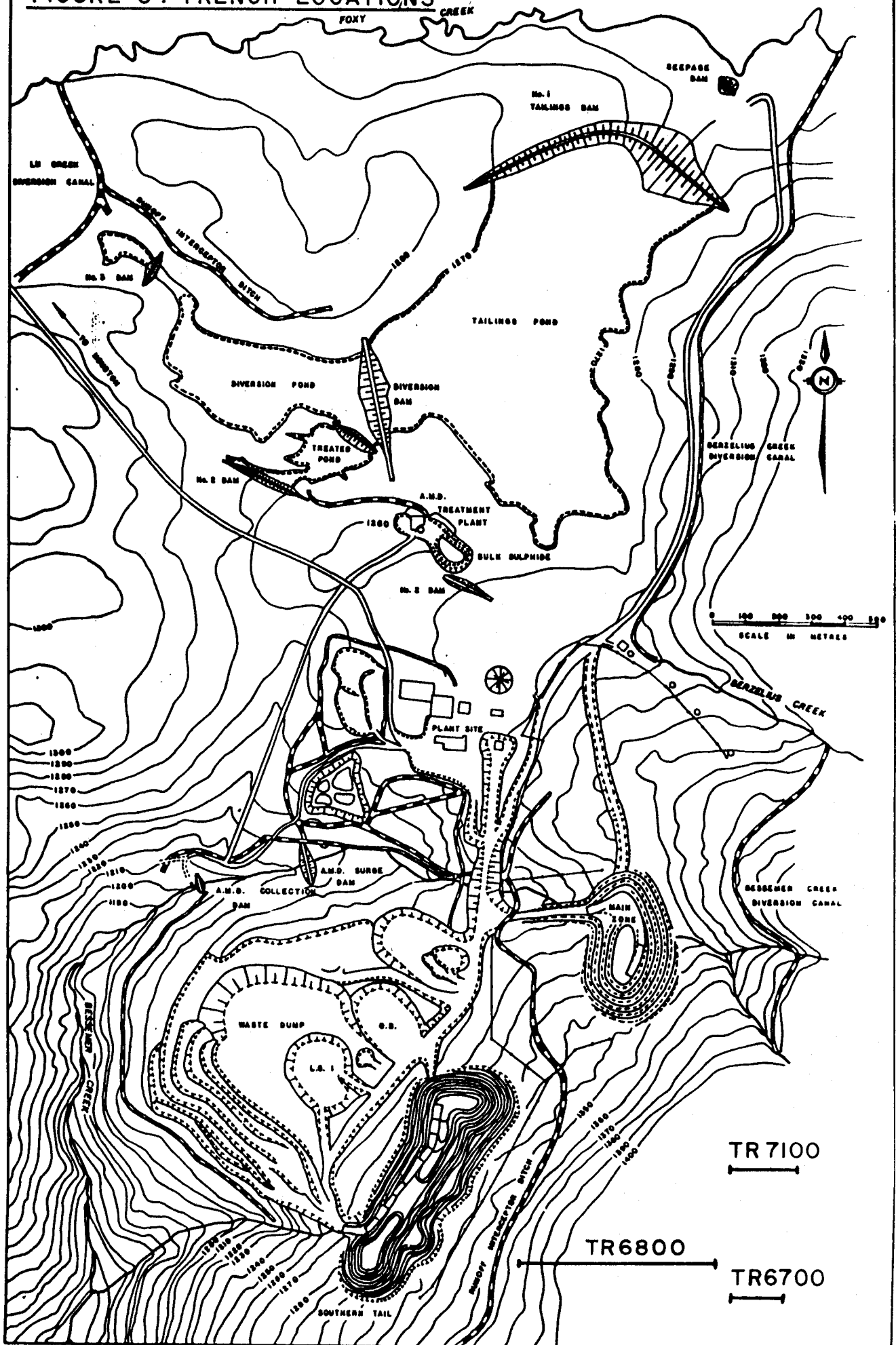
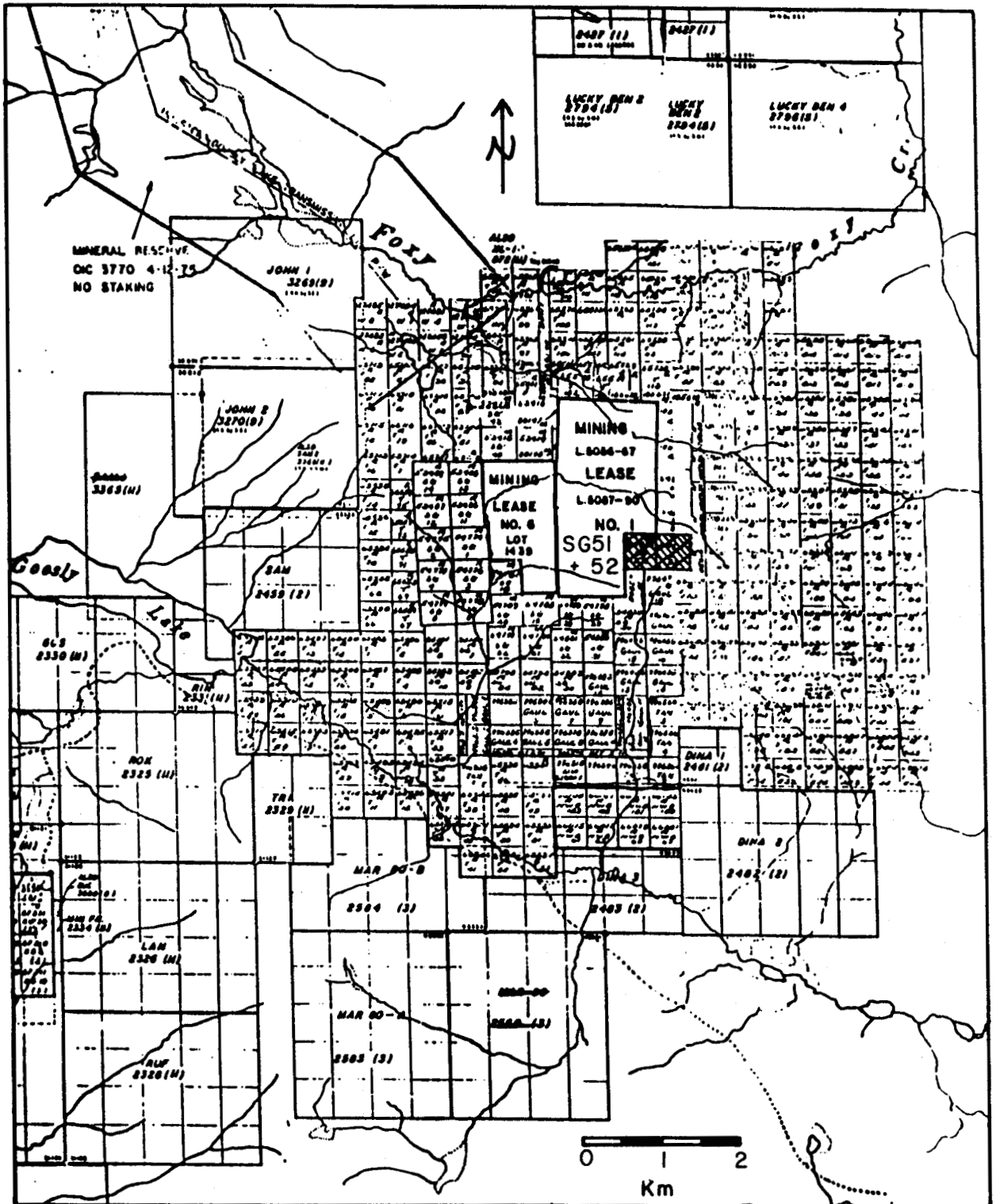


FIGURE 4. MINERAL CLAIMS



DISCUSSION

(i) Geologic Trench Mapping Procedure

Three trenches, orientated east-west, were dug by a D-8 tractor. The rock was exposed by pushing off the shallow overburden, and ripping the bedrock. The total length of trenching was 961 m. The trenches were mapped in detail using a "Geolog" technique. In this method, the trenches are "logged", as if they were a horizontal diamond drillhole. Careful attention was given to identify rock type, type and degree of alteration, and degree of fracture intensity.

(ii) Sampling Procedure

Rock chip samples were taken continuously in 5.0 m intervals from one end of a trench to the other. A total of 191 samples were collected.

(iii) Analytical Procedure

The chip samples were placed in plastic sample bags and shipped to the Placer Development Limited Laboratory in Vancouver. The rock chips were dried in a hot air drying unit and then pulverized to at least -100 mesh. Samples of the pulverized material were then analyzed for the elements copper, zinc, lead, silver, gold, arsenic, antimony, mercury, and fluorine according to the methods outlined in Table 2.

TABLE 2. Analytical Procedures

| <u>ELEMENT</u> | <u>UNITS</u> | <u>WEIGHT</u> | <u>ATTACK</u> | <u>DIGESTION</u> | <u>DETECTION</u> | <u>METHOD</u> |
|----------------|--------------|----------------|-----------------------|------------------|------------------|---|
| | | <u>(grams)</u> | <u>USED</u> | <u>TIME</u> | <u>RANGE</u> | |
| Cu | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 2-4000 | Atomic Abs. |
| Zn | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 2-3000 | Atomic Abs. |
| Pb | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 2-3000 | Atomic Abs. Bkgr. Corr. |
| Ag | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 0.2-20 | Atomic Abs. Bkgr. Corr. |
| Au | ppm | 10.0 | Aqua Regia | 3 hours | 0.02-4.0 | Atomic Abs. Sol. Extra. |
| As | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 2-1000 | Atomic Abs. Bkgr. Corr. |
| Sb | ppm | 0.5 | Conc.HC104/HNO3 | 4 hours | 2-1000 | Atomic Abs. Bkgr. Corr. |
| Hg | ppb | 0.25 | Dil.HNO3/HCl | 2 hours | 5-2000 | Atomic Abs. Cold Vapour Generator |
| F | ppm | 0.25 | Na2Co3/KN03 Fusion | 30 min. | 40-4000 | Specific Ion Elect. |

(iv) Results

a) Geology

The geology of the trenches is displayed at a scale of 1:1500 on Figures 5,6 and 7. A detailed description of the Equity minesite property geology is not included in this report. The reader is referenced to Cyr, et. al., 1984 for such details.

In general terms, the Equity orebodies are epigenetic accumulations of pyrite, chalcopyrite, tetrahedrite, sphalerite, and arsenopyrite. They occur in disseminations, fracture fillings, breccia zones, and veins. These zones are orientated subconcordant to the host rock, which is a Cretaceous sedimentary-volcanic sequence. The major and economically significant sulphide mineralization occurs in a pyroclastic division of this sequence.

Trench TR7100

Ash tuff is the most common rock type exposed in this trench. Finer grained dust tuff is more common towards the western end. Several andesite dykes cross-cut the pyroclastic rocks. A few small beds of chert pebble conglomerate were found at the western end. The rocks tend to be weakly fractured, and display varying degrees of chlorite alteration. Pyrite is ubiquitous in the unit 1 and 2 rocks. The unit 8 rocks (dykes) are usually barren of pyrite. Disseminated sphalerite was noted at the far eastern end of the trench.

Trench TR6800

Ash tuff is more common in the eastern portion of the trench, while dust tuff predominates in the west. Beds of chert pebble conglomerate and quartz sandstone are common. Again, these rocks are cross-cut by many dykes. The units tend to be weakly fractured, and show weak to strong chlorite alteration. Weak quartz-sericite alteration was occasionally noted. No sulphide mineralization, except pyrite, was found.

Trench TR6700

Dust tuff is the most common unit in this trench, but some ash tuff is present at the eastern end. Interbeds of chert pebble conglomerate and quartz sandstone are common, as well as the cross-cutting dykes. The units are weakly fractured, and display weak chlorite alteration. Some of the dykes show strong sericite alteration. Again, no sulphide mineralization, except for pyrite, was found.

b) Geochemistry

The geochemistry of the rock chip samples is displayed on Figures 5,6, and 7. The values were plotted on histograms and probability diagrams to analyze their statistical distribution and determine threshold and anomalous levels.

These plots can be found in the Appendix. A summary is shown in Table 3. Most of the gold values were below detection limit and no anomalies were determined. All of the antimony values were below detection, except for one, therefore no anomalies were determined. Only a few mercury values were above the threshold level and no anomalies were determined. Essentially all of the fluorine values near or above the threshold were associated with intervals of dyke rock. This is due to the higher fluorine content of these intrusive rocks.

TABLE 3. Statistical Summary

| <u>ELEMENT</u> | <u>MEAN</u> | <u>STD. DEV.</u> | <u>THRESHOLD</u> | <u>ANOMALY</u> |
|----------------|-------------|------------------|------------------|----------------|
| Cu | 46.5 | 57.3 | 90.0 | 180.0 |
| Zn | 159.1 | 252.2 | 300.0 | 500.0 |
| Pb | 36.6 | 95.2 | 70.0 | 150.0 |
| Ag | 0.2 | 0.3 | 0.7 | 1.4 |
| Au | 0.01 | - | - | - |
| F | 310.3 | 145.9 | 500.0 | - |
| As | 96.3 | 386.5 | 150.0 | 200.0 |
| Hg | 23.1 | 17.4 | 60. | - |
| Sb | 1.0 | - | - | - |

Trench TR7100

A coincident Cu-Zn-Pb-Ag-As anomaly was detected at the far eastern end. Disseminated sphalerite was also found at this location. A Zn-Pb anomaly was located at approximately 9220 E.

Trench TR6800

A broad Zn-Pb-Ag-As anomaly was detected around 8750 E. A strong As anomaly was found around 8600 E. A Cu-Ag anomaly was found at the western end around 8400 E.

Trench TR6700

No anomalous zones were detected.

CONCLUSIONS AND RECOMMENDATION

Several anomalous areas were identified in the trenching programme. The most significant at the east end of Trench TR7100. The rock types mapped are suitable to host "Equity type" mineralization. More trenching is recommended to further define the anomalous areas and sulphide mineralization before proceeding with a diamond drilling programme. Specifically, Trench TR7100 should be extended to the east, and more trenches should be located north of TR7100.

TABLE 4. Statement of Expenditures

| | <u>Sub-totals</u> | <u>Totals</u> |
|--|---------------------------|------------------|
| <u>1. Salaries</u> | | |
| R. Pease July 30,31, August 01,02,03. 5 days @ \$162/day..... | 810.00 | |
| D. Hanson June 26, July 30,31, August 01,02,03,06,07,08,09,10,13, 14,15. 14 days @ \$145/day..... | 2,030.00 | |
| J. Young June 26, July 06,30,31, August 01,02,03,07,08,13,14,15. 12 days @ \$104/day..... | 1,248.00 | |
| C. Towell July 06,30,31, August 01,02, 03,07,08,13,14,15. 11 days @ \$131/day..... | 1,441.00 | |
| L. Davies August 14,15. 2 days @ \$122/day..... | <u>244.00</u> | |
| | 5,773.00 | 5,773.00 |
| <u>2. Transportation</u> | | |
| Chev 4x4 Blazer, Rental and Fuel 15 days @ \$60/day..... | <u>900.00</u> | |
| | 900.00 | 900.00 |
| <u>3. Geochemical Analysis</u> | | |
| Sample preparation: 191 @ \$3..... | 573.00 | |
| Copper analysis : 191 @ \$2..... | 382.00 | |
| Zinc analysis : 191 @ \$0.90..... | 171.90 | |
| Lead analysis : 191 @ \$0.90..... | 171.90 | |
| Silver analysis : 191 @ \$0.90..... | 171.90 | |
| Arsenic analysis : 191 @ \$0.90..... | 171.90 | |
| Gold analysis : 191 @ \$5..... | 955.00 | |
| Antimony analysis : 191 @ \$2..... | 382.00 | |
| Mercury analysis : 191 @ \$4..... | 764.00 | |
| Fluorine analysis : 191 @ \$4.25..... | <u>811.75</u> | |
| | 4,555.35 | 4,555.35 |
| <u>4. Trenching</u> | | |
| D-8 Tractor: 30 hours @ \$105/hr..... | <u>3,150.00</u> | |
| | 3,150.00 | 3,150.00 |
| <u>5. Report Preparation</u> | | |
| Intrepretation/Drafting/Reproduction.... | <u>4,000.00</u> | |
| | <u>4,000.00</u> | <u>4,000.00</u> |
| | <u>TOTAL EXPENDITURES</u> | <u>18,378.35</u> |

AUTHOR'S QUALIFICATIONS

The author graduated from the University of Waterloo, Waterloo Ontario, in the spring of 1981 with an Honours Bachelor of Science degree in Earth Sciences. As a student, he spent some 20 months employed in the mineral exploration field with several mining companies. After graduation, he was employed as an exploration geologist with Duval International Corporation, Vancouver. Since February of 1982, he has been employed as an exploration geologist with Equity Silver Mines Limited, Houston, British Columbia.

Respectfully Submitted,

EQUITY SILVER MINES LIMITED

R. B. Pease, B. Sc.
Exploration Geologist

RBP/dms

Distribution:

Original : Exploration Files
1 Copy : Mine Manager
2 Copy : Mine Superintendent
3 Copy : Engineering Supervisor
4 Copy : British Columbia Ministry of Mines and Petroleum Resources

REFERENCE

Cyr, J. B., Pease, R. B., Schroeter, T. G.(1984): Geology and Mineralization at Equity Silver Mine. Journal of Econ. Geology. Vol. 79

APPENDIX

Rock Chip Sample Statistics
Histograms and Probability Plots

HISTO: PAI GEOCHE4 FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 34:11:20 AT 11:20:24

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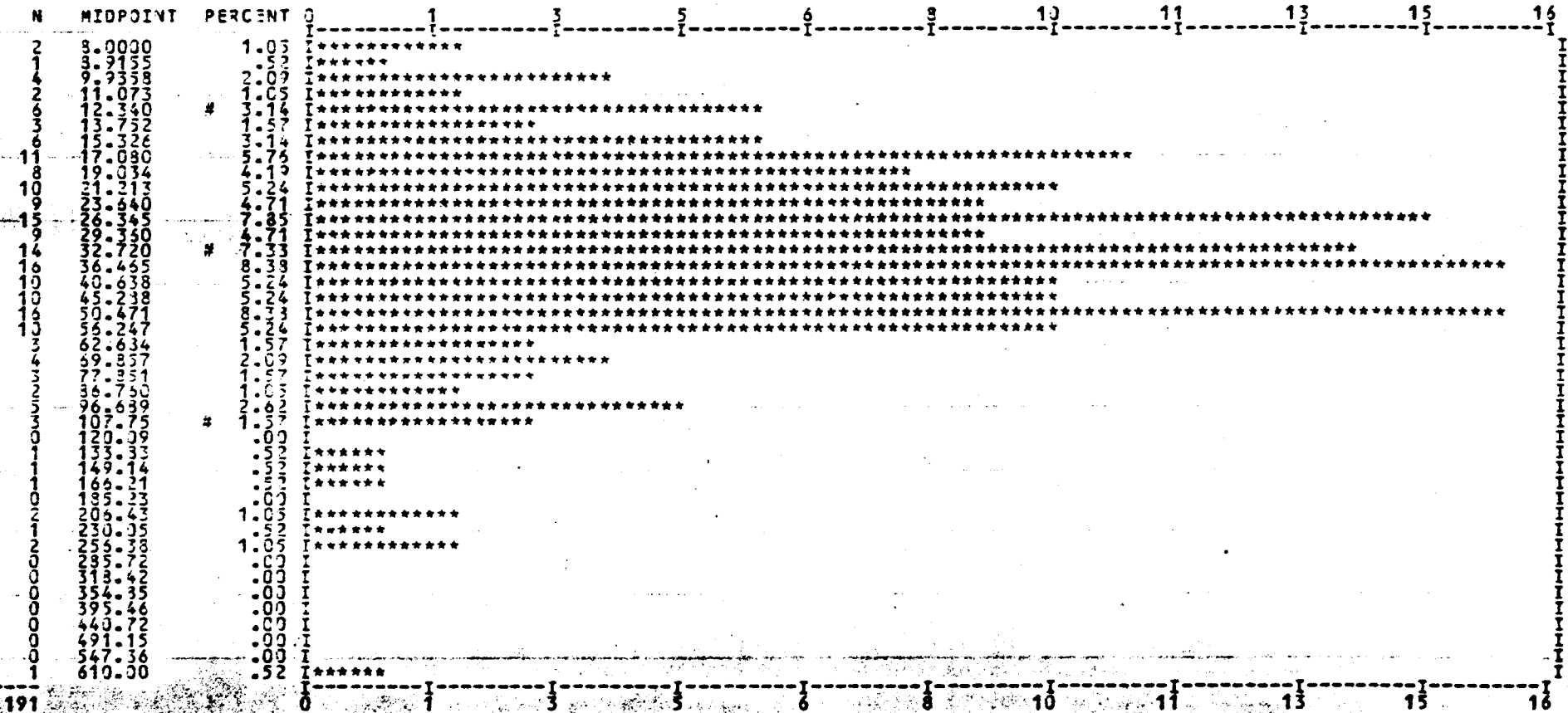
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191 VALUES PLOTTED: 0 NOT IN RANGE 3.00000 TO 610.000

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SCALE OF HISTOGRAM IS .17 COUNTS/PRINT POSITION # = 5,50,95%



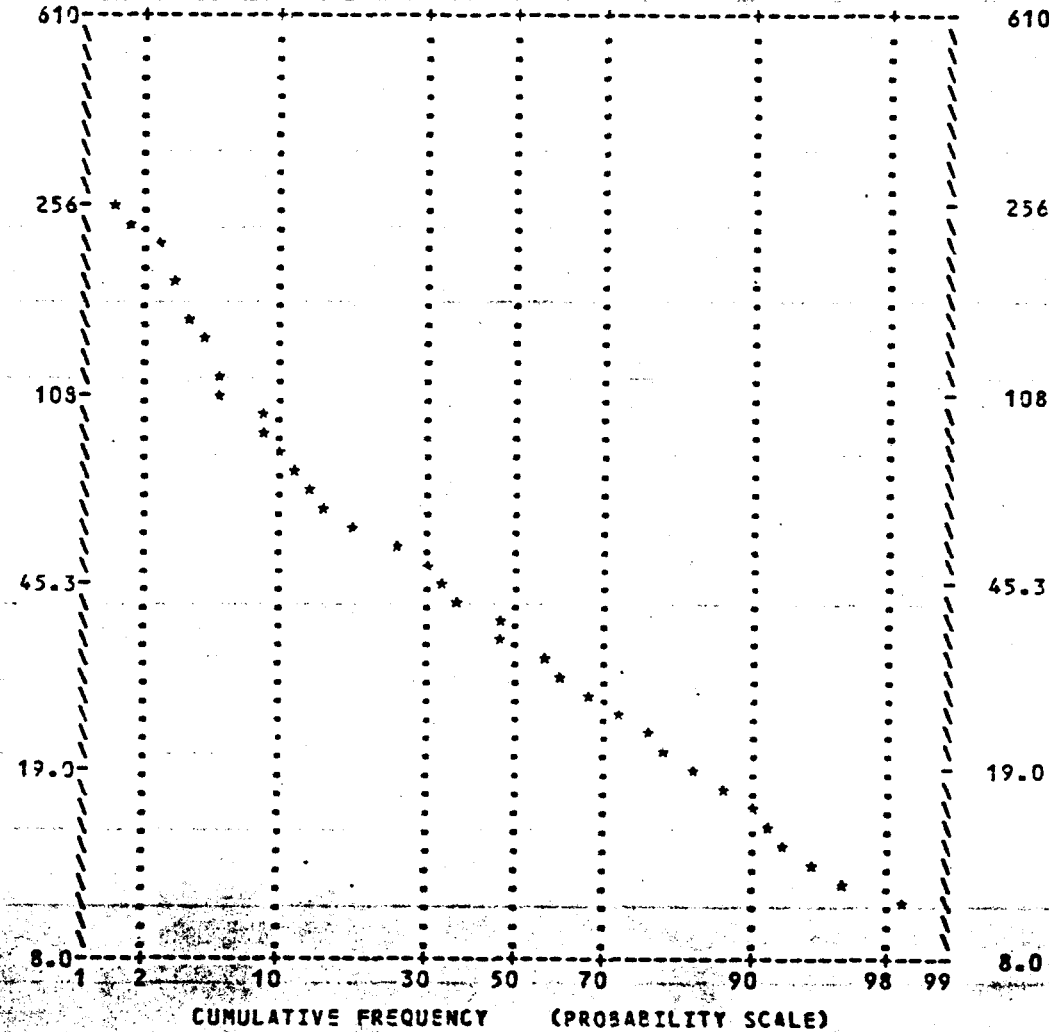
PREPLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

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FILE: EQTY03*SCRCHA001.

FIELD NAME: CU LOG = 1

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 NUMBER OF DATA PLOTTED = 171 (0 NULLS 0 < YMIN 0 > YMAX)



| MAX | VAL | NVAL | FREQ | CUM | FREQ |
|-----|--------|------|------|------|------|
| 610 | 610.30 | 1 | .005 | .005 | .005 |
| 559 | 559.00 | 0 | .000 | .000 | .000 |
| 512 | 512.00 | 0 | .000 | .000 | .000 |
| 470 | 470.00 | 0 | .000 | .000 | .000 |
| 431 | 431.00 | 0 | .000 | .000 | .000 |
| 395 | 395.00 | 0 | .000 | .000 | .000 |
| 362 | 362.00 | 0 | .000 | .000 | .000 |
| 332 | 332.00 | 0 | .000 | .000 | .000 |
| 306 | 306.00 | 0 | .000 | .000 | .000 |
| 279 | 279.00 | 1 | .005 | .005 | .010 |
| 256 | 256.00 | 1 | .005 | .010 | .016 |
| 233 | 233.00 | 1 | .005 | .015 | .021 |
| 215 | 215.00 | 1 | .005 | .020 | .026 |
| 197 | 197.00 | 1 | .005 | .025 | .031 |
| 181 | 181.00 | 1 | .005 | .030 | .036 |
| 166 | 166.00 | 1 | .005 | .035 | .041 |
| 151 | 151.00 | 1 | .005 | .040 | .046 |
| 137 | 137.00 | 1 | .005 | .045 | .051 |
| 124 | 124.00 | 1 | .005 | .050 | .056 |
| 112 | 112.00 | 1 | .005 | .055 | .061 |
| 107 | 107.00 | 1 | .005 | .060 | .066 |
| 98 | 98.00 | 1 | .005 | .065 | .071 |
| 90 | 90.00 | 1 | .005 | .070 | .076 |
| 83 | 83.00 | 1 | .005 | .075 | .081 |
| 77 | 77.00 | 1 | .005 | .080 | .086 |
| 72 | 72.00 | 1 | .005 | .085 | .091 |
| 67 | 67.00 | 1 | .005 | .090 | .096 |
| 63 | 63.00 | 1 | .005 | .095 | .101 |
| 59 | 59.00 | 1 | .005 | .100 | .106 |
| 56 | 56.00 | 1 | .005 | .105 | .111 |
| 53 | 53.00 | 1 | .005 | .110 | .116 |
| 50 | 50.00 | 1 | .005 | .115 | .121 |
| 47 | 47.00 | 1 | .005 | .120 | .126 |
| 45 | 45.30 | 1 | .005 | .125 | .131 |
| 43 | 43.00 | 1 | .005 | .130 | .136 |
| 41 | 41.00 | 1 | .005 | .135 | .141 |
| 39 | 39.00 | 1 | .005 | .140 | .146 |
| 37 | 37.00 | 1 | .005 | .145 | .151 |
| 35 | 35.00 | 1 | .005 | .150 | .156 |
| 33 | 33.00 | 1 | .005 | .155 | .161 |
| 31 | 31.00 | 1 | .005 | .160 | .166 |
| 29 | 29.00 | 1 | .005 | .165 | .171 |
| 27 | 27.00 | 1 | .005 | .170 | .176 |
| 25 | 25.00 | 1 | .005 | .175 | .181 |
| 23 | 23.00 | 1 | .005 | .180 | .186 |
| 21 | 21.00 | 1 | .005 | .185 | .191 |
| 19 | 19.00 | 1 | .005 | .190 | .196 |
| 17 | 17.00 | 1 | .005 | .195 | .201 |
| 16 | 16.00 | 1 | .005 | .200 | .206 |
| 14 | 14.00 | 1 | .005 | .205 | .211 |
| 13 | 13.00 | 1 | .005 | .210 | .216 |
| 12 | 12.00 | 1 | .005 | .215 | .221 |
| 11 | 11.00 | 1 | .005 | .220 | .226 |
| 10 | 10.00 | 1 | .005 | .225 | .231 |
| 9 | 9.5144 | 1 | .005 | .230 | .236 |
| 8 | 8.7244 | 1 | .010 | .240 | .241 |
| 8 | 8.0000 | 1 | .000 | .240 | .241 |

HISTO: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

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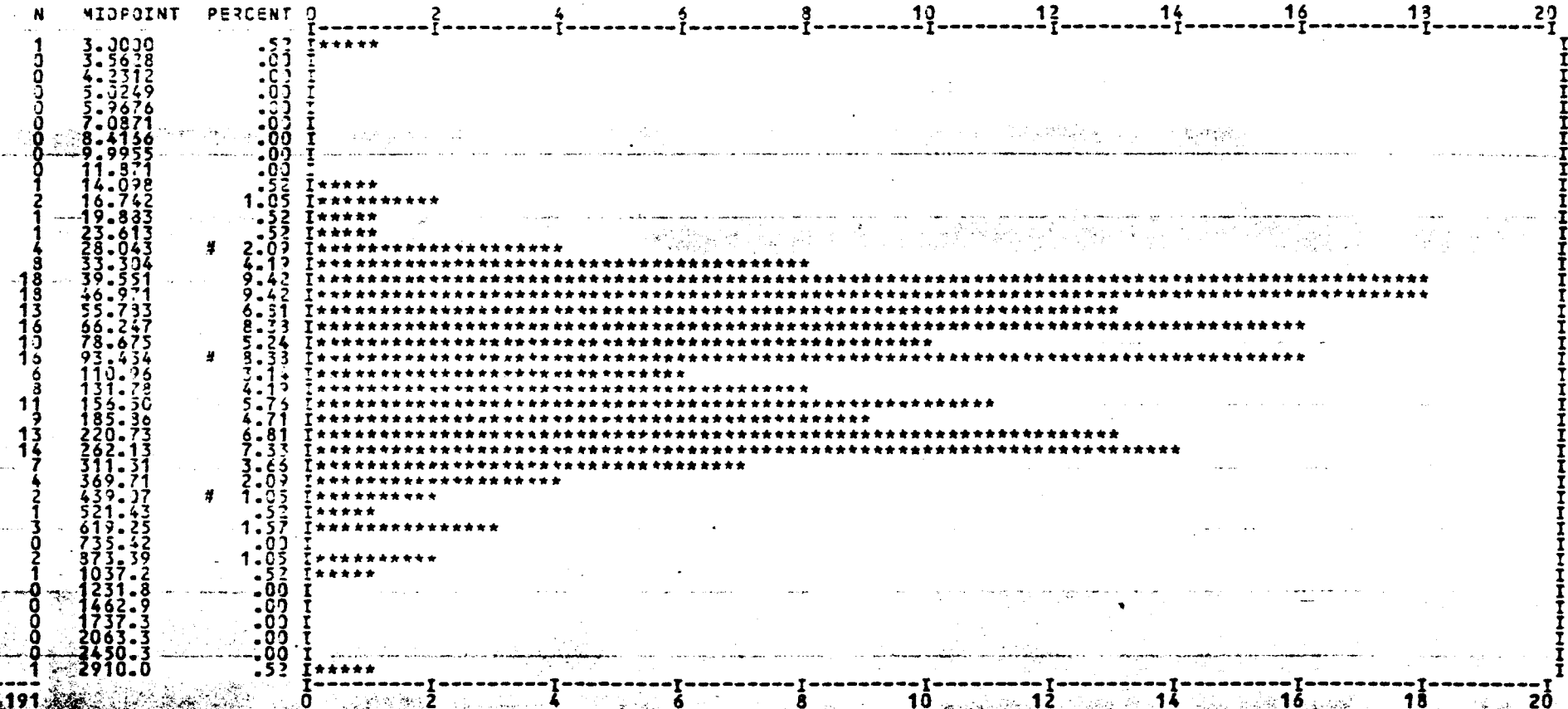
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191 VALUES PLOTTED: 0 NOT IN RANGE 3.00000 TO 2910.00

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SCALE OF HISTOGRAM IS .20 COUNTS/PRINT POSITION # = 5,50,95%

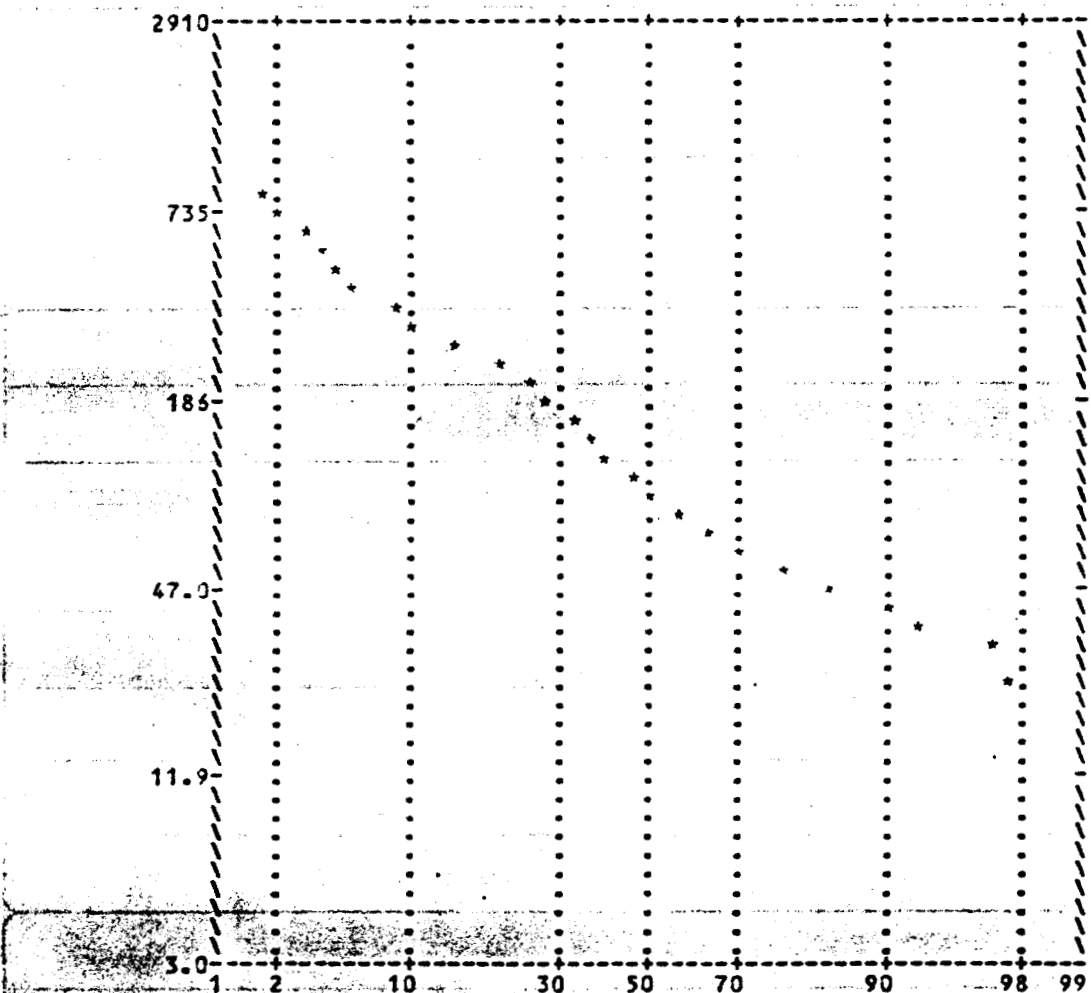


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CLASSIFICATION TABLE



| MAX VAL | NVAL | FREQ | CUM FREQ |
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| 2910.0 | 1 | .005 | .005 |
| 2535.0 | 0 | .000 | .005 |
| 2210.2 | 0 | .000 | .005 |
| 1926.1 | 0 | .000 | .005 |
| 1673.6 | 0 | .000 | .005 |
| 1462.9 | 0 | .000 | .005 |
| 1274.9 | 0 | .000 | .005 |
| 1111.1 | 1 | .005 | .010 |
| 958.3 | 0 | .000 | .010 |
| 843.8 | 2 | .010 | .020 |
| 735.4 | 1 | .005 | .025 |
| 640.9 | 2 | .010 | .035 |
| 558.5 | 1 | .005 | .040 |
| 496.7 | 2 | .010 | .050 |
| 424.2 | 3 | .005 | .055 |
| 359.7 | 4 | .031 | .086 |
| 322.2 | 4 | .021 | .107 |
| 290.8 | 1 | .053 | .160 |
| 244.7 | 1 | .053 | .213 |
| 213.2 | 3 | .047 | .260 |
| 185.8 | 3 | .047 | .307 |
| 161.9 | 4 | .021 | .328 |
| 141.1 | 4 | .031 | .359 |
| 123.0 | 1 | .063 | .422 |
| 107.2 | 1 | .063 | .485 |
| 93.4 | 3 | .042 | .527 |
| 81.4 | 1 | .053 | .580 |
| 70.9 | 1 | .053 | .633 |
| 61.3 | 1 | .073 | .706 |
| 53.3 | 1 | .073 | .779 |
| 46.9 | 1 | .073 | .852 |
| 40.9 | 1 | .053 | .905 |
| 35.6 | 1 | .026 | .931 |
| 31.0 | 7 | .037 | .968 |
| 27.0 | 0 | .000 | .968 |
| 23.6 | 4 | .005 | .973 |
| 20.5 | 0 | .000 | .973 |
| 17.9 | 0 | .000 | .973 |
| 15.6 | 0 | .000 | .973 |
| 13.6 | 1 | .005 | .978 |
| 11.8 | 0 | .000 | .978 |
| 10.3 | 0 | .000 | .978 |
| 9.0 | 0 | .000 | .978 |
| 7.8 | 0 | .000 | .978 |
| 6.8 | 0 | .000 | .978 |
| 5.9 | 0 | .000 | .978 |
| 5.2 | 0 | .000 | .978 |
| 4.5 | 0 | .000 | .978 |
| 3.9 | 0 | .000 | .978 |
| 3.4 | 0 | .000 | .978 |
| 3.0 | 0 | .000 | 1.000 |

CUMULATIVE FREQUENCY (PROBABILITY SCALE)

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MAXIMUM: 890.000

191 VALUES PLOTTED:

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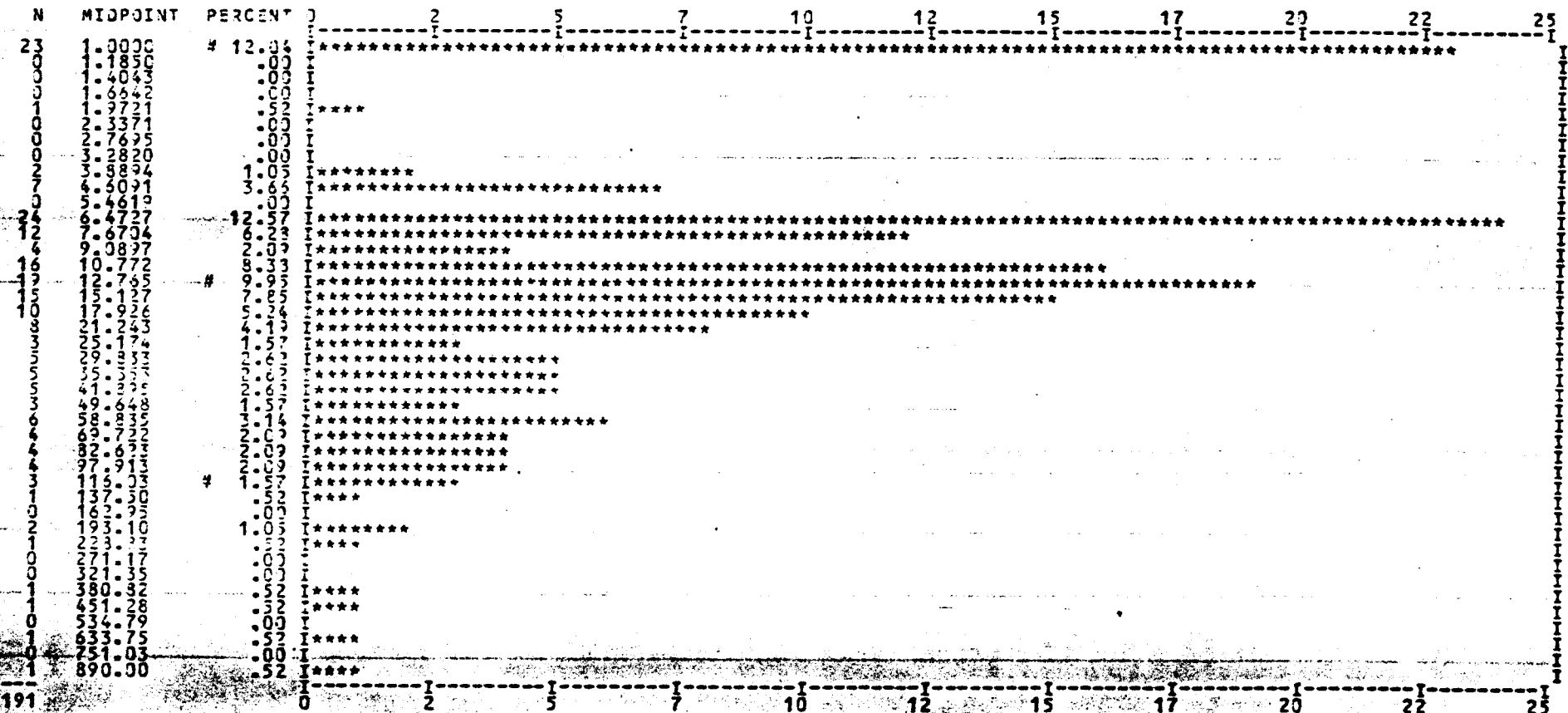
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DISPERSION: 3.19572

50.4193

SCALE OF HISTOGRAM IS

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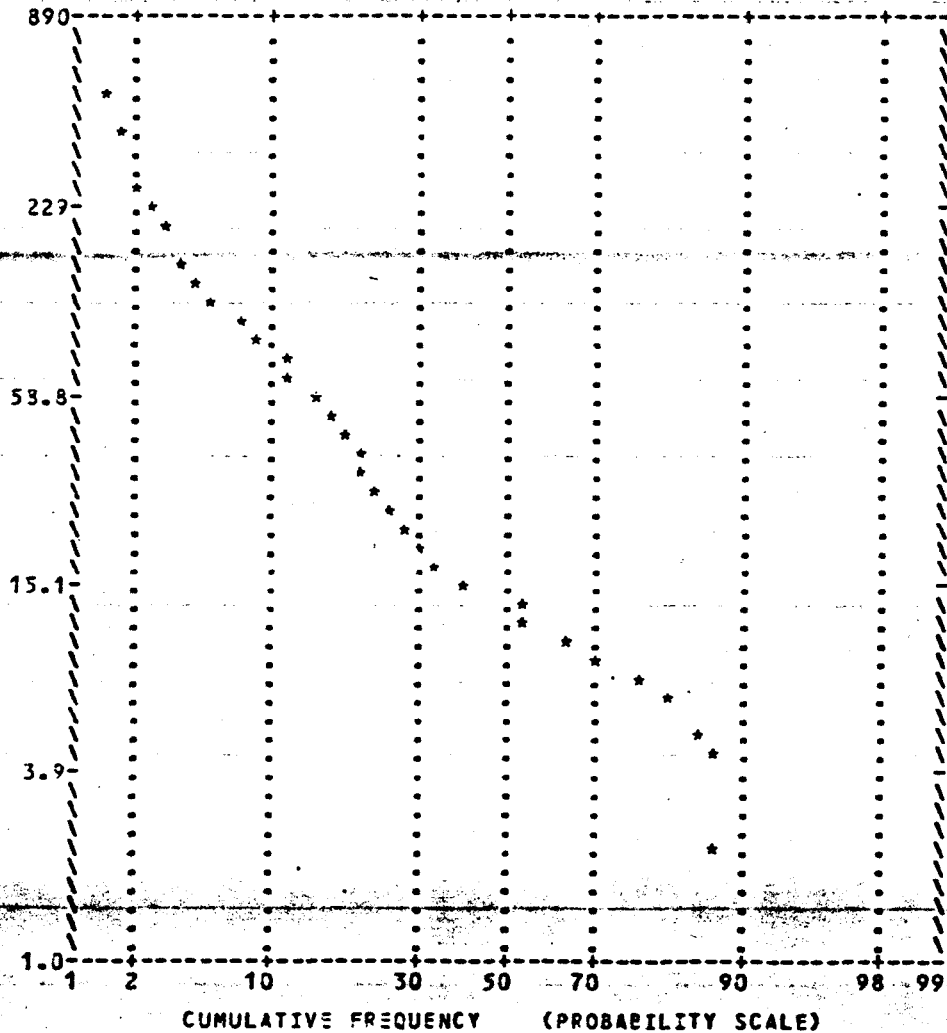
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CLASSIFICATION TABLE



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| 678.29 | 1 | .005 | .015 |
| 592.14 | 1 | .005 | .020 |
| 516.94 | 1 | .005 | .025 |
| 451.29 | 1 | .005 | .030 |
| 393.97 | 1 | .005 | .035 |
| 344.93 | 1 | .005 | .040 |
| 300.25 | 1 | .005 | .045 |
| 262.12 | 1 | .005 | .050 |
| 229.13 | 1 | .005 | .055 |
| 200.77 | 1 | .005 | .060 |
| 174.40 | 1 | .005 | .065 |
| 153.25 | 1 | .005 | .070 |
| 136.01 | 1 | .005 | .075 |
| 121.29 | 1 | .005 | .080 |
| 108.43 | 1 | .005 | .085 |
| 98.19 | 1 | .005 | .090 |
| 77.19 | 1 | .005 | .095 |
| 67.39 | 1 | .010 | .100 |
| 59.83 | 1 | .010 | .110 |
| 53.83 | 1 | .010 | .120 |
| 49.14 | 1 | .010 | .130 |
| 44.99 | 1 | .010 | .140 |
| 41.39 | 1 | .010 | .150 |
| 38.24 | 1 | .010 | .160 |
| 35.49 | 1 | .010 | .170 |
| 33.03 | 1 | .010 | .180 |
| 30.83 | 1 | .010 | .190 |
| 28.94 | 1 | .010 | .200 |
| 27.36 | 1 | .010 | .210 |
| 26.04 | 1 | .010 | .220 |
| 24.99 | 1 | .010 | .230 |
| 24.17 | 1 | .010 | .240 |
| 23.56 | 1 | .010 | .250 |
| 23.11 | 1 | .010 | .260 |
| 22.83 | 1 | .010 | .270 |
| 22.63 | 1 | .010 | .280 |
| 22.50 | 1 | .010 | .290 |
| 22.42 | 1 | .010 | .300 |
| 22.39 | 1 | .010 | .310 |
| 22.39 | 1 | .010 | .320 |
| 22.42 | 1 | .010 | .330 |
| 22.49 | 1 | .010 | .340 |
| 22.60 | 1 | .010 | .350 |
| 22.72 | 1 | .010 | .360 |
| 22.86 | 1 | .010 | .370 |
| 23.01 | 1 | .010 | .380 |
| 23.17 | 1 | .010 | .390 |
| 23.34 | 1 | .010 | .400 |
| 23.52 | 1 | .010 | .410 |
| 23.71 | 1 | .010 | .420 |
| 23.91 | 1 | .010 | .430 |
| 24.12 | 1 | .010 | .440 |
| 24.34 | 1 | .010 | .450 |
| 24.57 | 1 | .010 | .460 |
| 24.81 | 1 | .010 | .470 |
| 25.06 | 1 | .010 | .480 |
| 25.31 | 1 | .010 | .490 |
| 25.57 | 1 | .010 | .500 |
| 25.84 | 1 | .010 | .510 |
| 26.11 | 1 | .010 | .520 |
| 26.39 | 1 | .010 | .530 |
| 26.67 | 1 | .010 | .540 |
| 26.96 | 1 | .010 | .550 |
| 27.25 | 1 | .010 | .560 |
| 27.54 | 1 | .010 | .570 |
| 27.83 | 1 | .010 | .580 |
| 28.12 | 1 | .010 | .590 |
| 28.41 | 1 | .010 | .600 |
| 28.70 | 1 | .010 | .610 |
| 28.99 | 1 | .010 | .620 |
| 29.28 | 1 | .010 | .630 |
| 29.57 | 1 | .010 | .640 |
| 29.86 | 1 | .010 | .650 |
| 30.15 | 1 | .010 | .660 |
| 30.44 | 1 | .010 | .670 |
| 30.73 | 1 | .010 | .680 |
| 31.02 | 1 | .010 | .690 |
| 31.31 | 1 | .010 | .700 |
| 31.60 | 1 | .010 | .710 |
| 31.89 | 1 | .010 | .720 |
| 32.18 | 1 | .010 | .730 |
| 32.47 | 1 | .010 | .740 |
| 32.76 | 1 | .010 | .750 |
| 33.05 | 1 | .010 | .760 |
| 33.34 | 1 | .010 | .770 |
| 33.63 | 1 | .010 | .780 |
| 33.92 | 1 | .010 | .790 |
| 34.21 | 1 | .010 | .800 |
| 34.50 | 1 | .010 | .810 |
| 34.79 | 1 | .010 | .820 |
| 35.08 | 1 | .010 | .830 |
| 35.37 | 1 | .010 | .840 |
| 35.66 | 1 | .010 | .850 |
| 35.95 | 1 | .010 | .860 |
| 36.24 | 1 | .010 | .870 |
| 36.53 | 1 | .010 | .880 |
| 36.82 | 1 | .010 | .890 |
| 37.11 | 1 | .010 | .900 |
| 37.40 | 1 | .010 | .910 |
| 37.69 | 1 | .010 | .920 |
| 37.98 | 1 | .010 | .930 |
| 38.27 | 1 | .010 | .940 |
| 38.56 | 1 | .010 | .950 |
| 38.85 | 1 | .010 | .960 |
| 39.14 | 1 | .010 | .970 |
| 39.43 | 1 | .010 | .980 |
| 39.72 | 1 | .010 | .990 |
| 40.01 | 1 | .010 | 1.000 |

HISTO: PAI GEOCHEM FILE: TEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 94:11:20 AT 11:20:24

FILE: EQTY03+SCRCHA001.

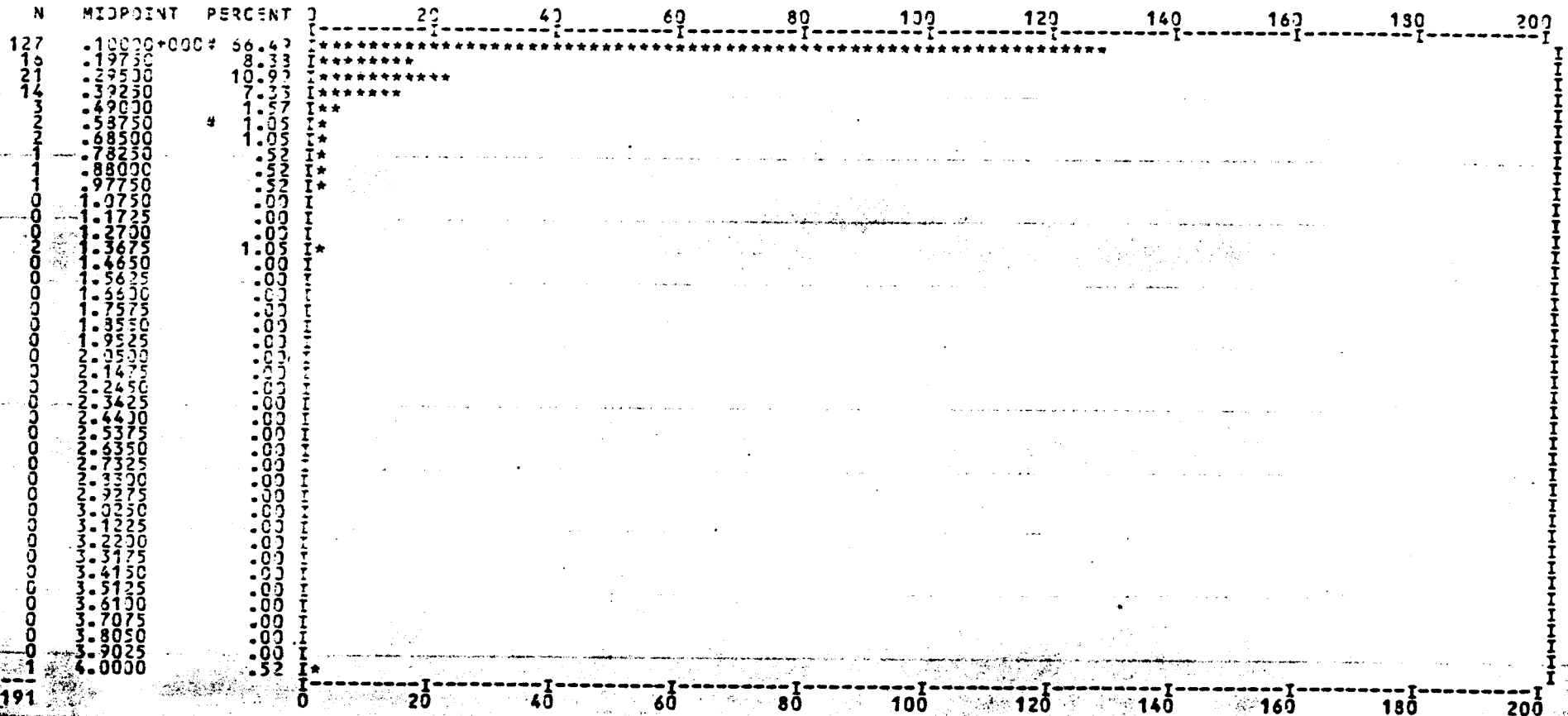
FIELD NAME: AS LOG = 0

191 SAMPLES WITH AG MINIMUM: .10000+000 MAXIMUM: 4.00000

191 VALUES PLOTTED: C NOT IN RANGE .10000+000 TO 4.00000

MEAN: .216754 STD. DEV.: .339399

SCALE OF HISTOGRAM IS 2.00 COUNTS/PRINT POSITION # = 5,50,95%

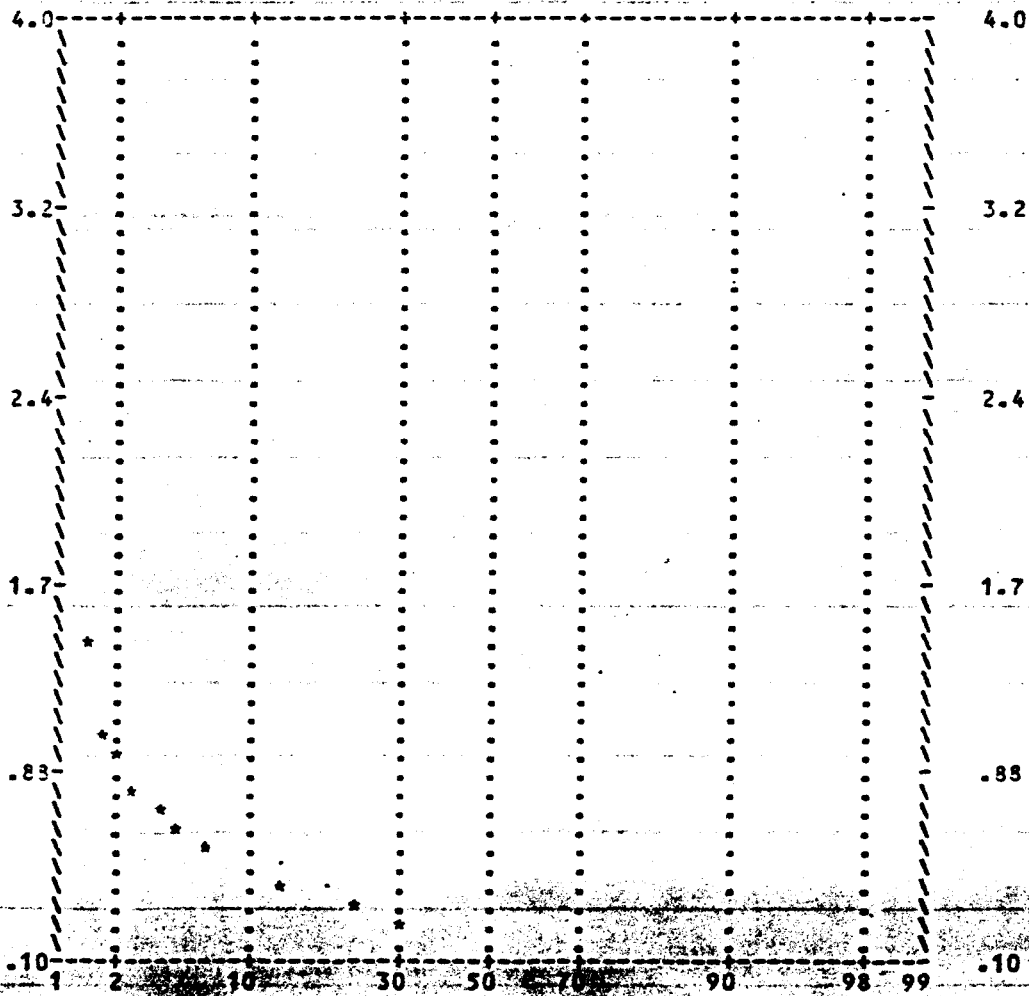


PR3PLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 84:11:20 AT 11:20:24

FILE: EQTY03+SCRCHA001. FIELD NAME: AG LOG = 0

MIN = .10000+000 MAX = 4.0000 MEAN = .21675 STD DEV = .33943
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)



CUMULATIVE FREQUENCY (PROBABILITY SCALE)

CLASSIFICATION TABLE

| MAX VAL | NVAL | FREQ | CUM FREQ |
|------------|------|------|----------|
| 4.0000 | 1 | .005 | .005 |
| 3.9220 | 1 | .005 | .010 |
| 3.8440 | 1 | .005 | .015 |
| 3.7660 | 1 | .005 | .020 |
| 3.6880 | 1 | .005 | .025 |
| 3.6100 | 1 | .005 | .030 |
| 3.5320 | 1 | .005 | .035 |
| 3.4540 | 1 | .005 | .040 |
| 3.3760 | 1 | .005 | .045 |
| 3.2980 | 1 | .005 | .050 |
| 3.2200 | 1 | .005 | .055 |
| 3.1420 | 1 | .005 | .060 |
| 3.0640 | 1 | .005 | .065 |
| 2.9860 | 1 | .005 | .070 |
| 2.9080 | 1 | .005 | .075 |
| 2.8300 | 1 | .005 | .080 |
| 2.7520 | 1 | .005 | .085 |
| 2.6740 | 1 | .005 | .090 |
| 2.5960 | 1 | .005 | .095 |
| 2.5180 | 1 | .005 | .100 |
| 2.4400 | 1 | .005 | .105 |
| 2.3620 | 1 | .005 | .110 |
| 2.2840 | 1 | .005 | .115 |
| 2.2060 | 1 | .005 | .120 |
| 2.1280 | 1 | .005 | .125 |
| 2.0500 | 1 | .005 | .130 |
| 1.9720 | 1 | .005 | .135 |
| 1.8940 | 1 | .005 | .140 |
| 1.8160 | 1 | .005 | .145 |
| 1.7380 | 1 | .005 | .150 |
| 1.6600 | 1 | .005 | .155 |
| 1.5820 | 1 | .005 | .160 |
| 1.5040 | 1 | .005 | .165 |
| 1.4260 | 1 | .010 | .175 |
| 1.3480 | 1 | .005 | .180 |
| 1.2700 | 1 | .005 | .185 |
| 1.1920 | 1 | .005 | .190 |
| 1.1140 | 1 | .005 | .195 |
| 1.0360 | 1 | .005 | .200 |
| .9580 | 1 | .005 | .205 |
| .8800 | 1 | .005 | .210 |
| .8020 | 1 | .005 | .215 |
| .7240 | 1 | .010 | .225 |
| .6460 | 1 | .010 | .235 |
| .5680 | 1 | .010 | .245 |
| .4900 | 1 | .000 | .245 |
| .41200 | 14 | .073 | .318 |
| .33400 | 21 | .110 | .428 |
| .25600 | 16 | .084 | .512 |
| .17800 | 127 | .663 | .875 |
| .10000+000 | 0 | .000 | 1.000 |

HISTO: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 94:11:20 AT 11:20:24

FILE: EQTYJ3+SCRCHA001.

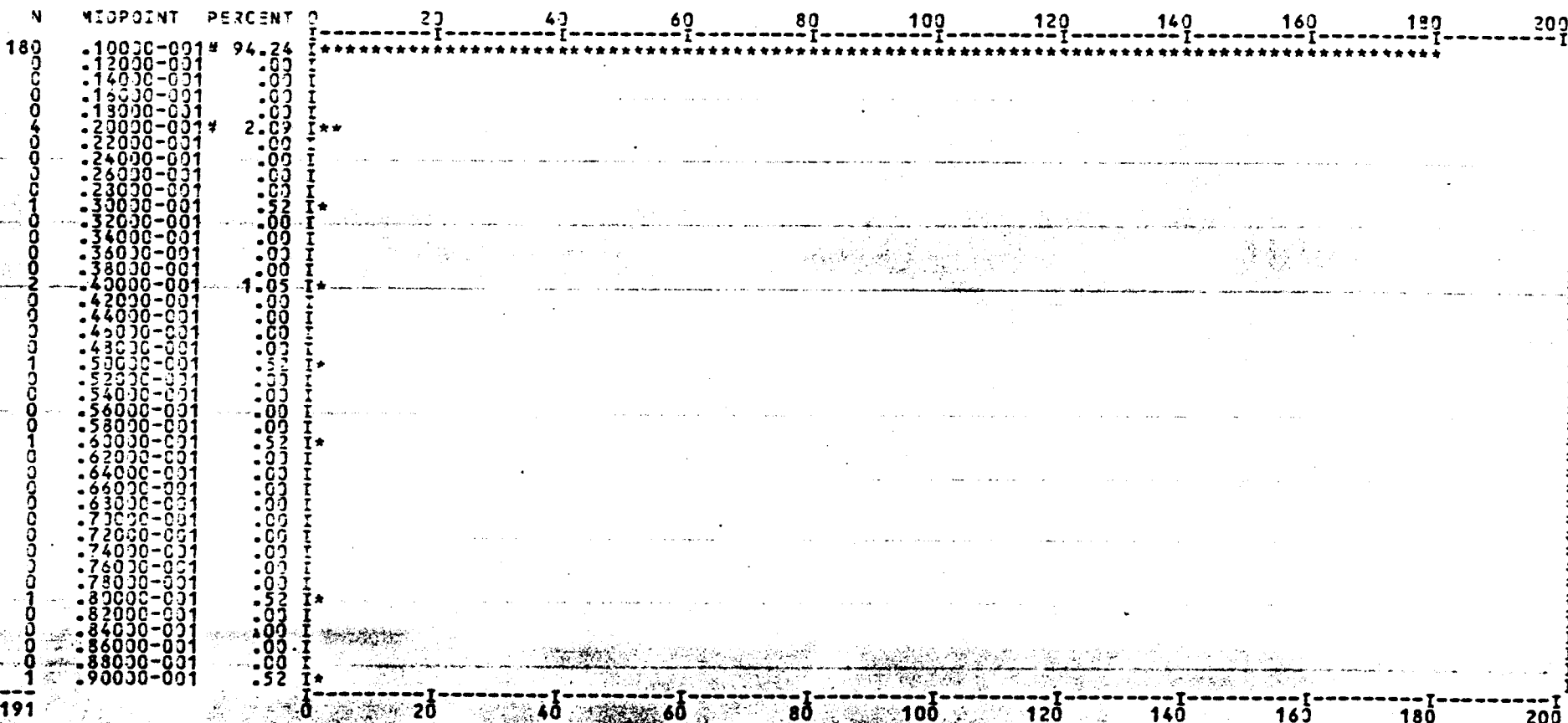
FIELD NAME: AU LOG = 0

191 SAMPLES WITH AU MINIMUM: .100000-001 MAXIMUM: .900000-001

191 VALUES PLOTTED: 0 NOT IN RANGE .100000-001 TO .900000-001

MEAN: .113848-001 STD. DEV.: .000000

SCALE OF HISTOGRAM IS 2.00 COUNTS/PRINT POSITION # = 5,50,95%



PRRPLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 84:11:20 AT 11:20:24

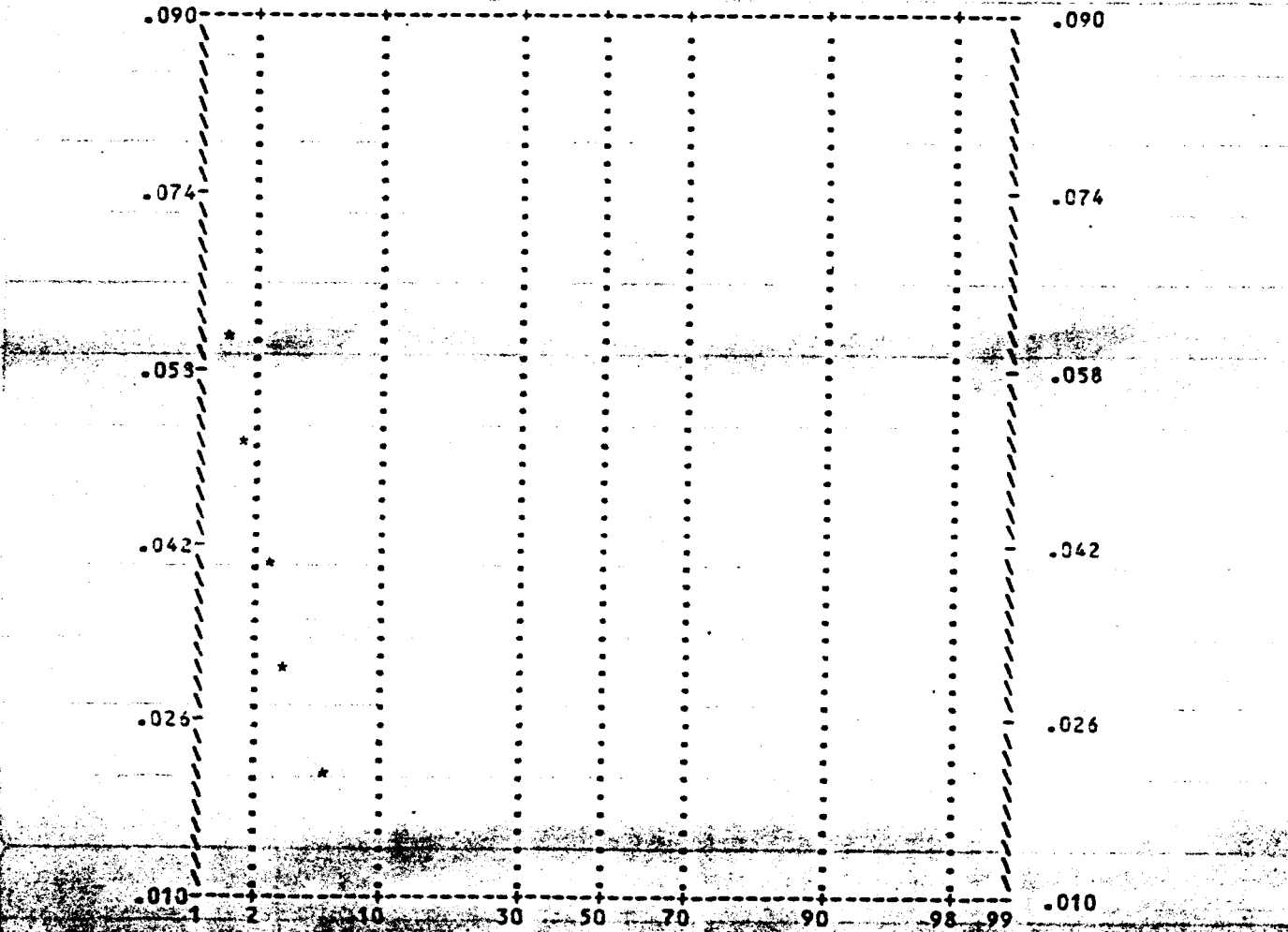
FILE: EQTY33*SCRCM4001.

FIELD NAME: AU LOG = 0

MIN = .10000-001 MAX = .90000-001 MEAN = .11285-001 STD DEV = .00000
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE

| MAX VAL | NVAL | FREQ | CUM FREQ |
|------------|------|------|----------|
| .90000-001 | 1 | .005 | .005 |
| .88400-001 | 0 | .000 | .005 |
| .86300-001 | 0 | .000 | .005 |
| .85200-001 | 0 | .000 | .005 |
| .83600-001 | 0 | .000 | .005 |
| .82000-001 | 0 | .000 | .005 |
| .80400-001 | 1 | .005 | .010 |
| .78300-001 | 0 | .000 | .010 |
| .77200-001 | 0 | .000 | .010 |
| .75500-001 | 0 | .000 | .010 |
| .74000-001 | 0 | .000 | .010 |
| .72400-001 | 0 | .000 | .010 |
| .70300-001 | 0 | .000 | .010 |
| .69200-001 | 0 | .000 | .010 |
| .67500-001 | 0 | .000 | .010 |
| .66000-001 | 0 | .000 | .010 |
| .64400-001 | 0 | .000 | .010 |
| .62800-001 | 0 | .000 | .010 |
| .61200-001 | 4 | .005 | .016 |
| .59600-001 | 0 | .000 | .016 |
| .58000-001 | 0 | .000 | .016 |
| .56400-001 | 0 | .000 | .016 |
| .54300-001 | 0 | .000 | .016 |
| .53200-001 | 0 | .000 | .016 |
| .51500-001 | 1 | .005 | .021 |
| .50000-001 | 0 | .000 | .021 |
| .48400-001 | 0 | .000 | .021 |
| .46300-001 | 0 | .000 | .021 |
| .45200-001 | 0 | .000 | .021 |
| .43500-001 | 0 | .000 | .021 |
| .42000-001 | 0 | .000 | .021 |
| .40400-001 | 2 | .010 | .031 |
| .38300-001 | 0 | .000 | .031 |
| .37200-001 | 0 | .000 | .031 |
| .35500-001 | 0 | .000 | .031 |
| .34000-001 | 0 | .000 | .031 |
| .32400-001 | 0 | .000 | .031 |
| .30800-001 | 1 | .005 | .037 |
| .29200-001 | 0 | .000 | .037 |
| .27600-001 | 0 | .000 | .037 |
| .26000-001 | 0 | .000 | .037 |
| .24400-001 | 0 | .000 | .037 |
| .22300-001 | 0 | .000 | .037 |
| .21200-001 | 1 | .005 | .058 |
| .19600-001 | 0 | .000 | .058 |
| .18000-001 | 0 | .000 | .058 |
| .16400-001 | 0 | .000 | .058 |
| .14900-001 | 0 | .000 | .058 |
| .13200-001 | 0 | .000 | .058 |
| .11600-001 | 18 | .042 | 1.000 |
| .10000-001 | 0 | .000 | 1.000 |



CUMULATIVE FREQUENCY (PROBABILITY SCALE)

HISTO: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 96:11:20 AT 11:20:24

FILE: EQTY03+SCRCHA001.

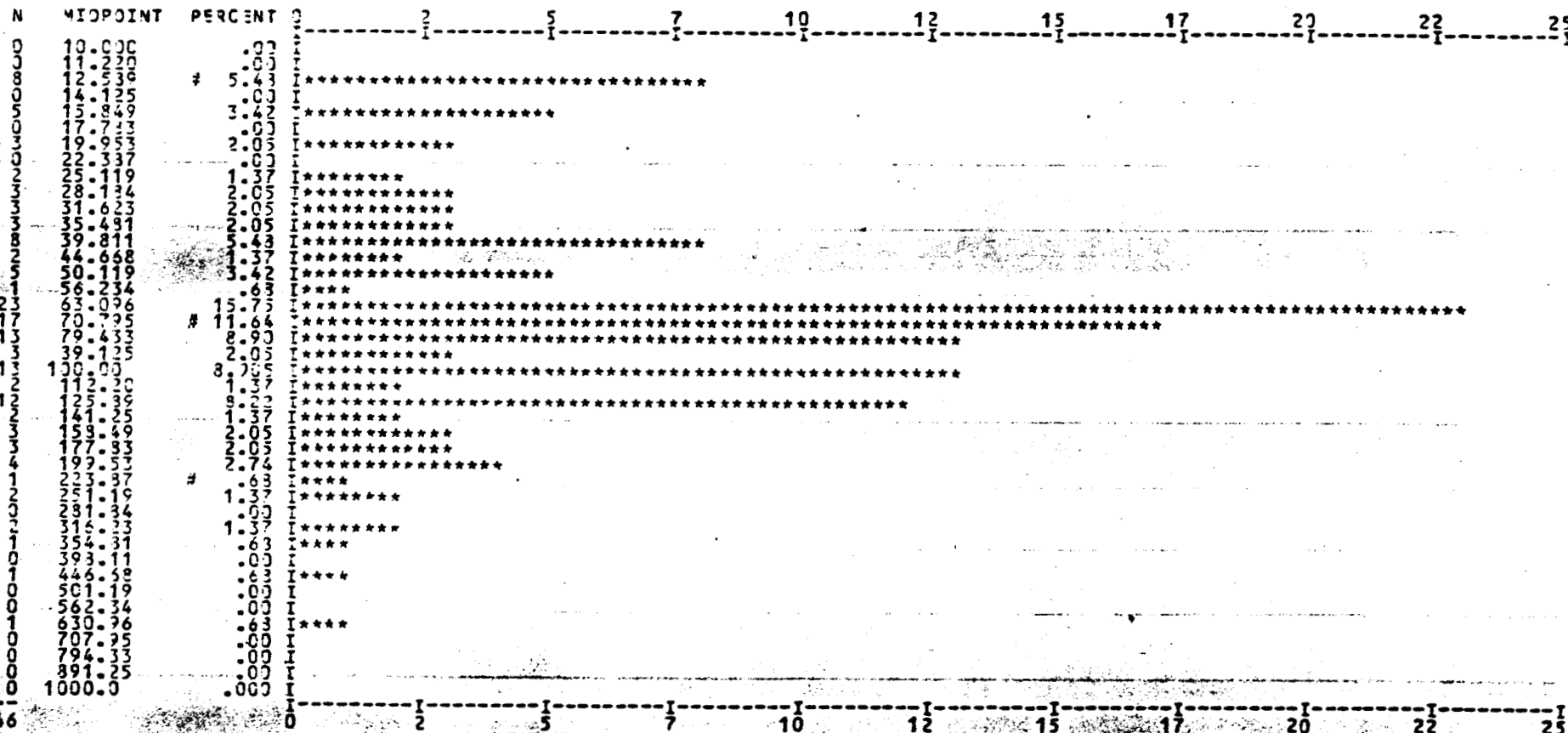
FIELD NAME: AS LOG = 1

191 SAMPLES WITH AS MINIMUM: .500000 MAXIMUM: 5300.00

146 VALUES PLOTTED: 45 NOT IN RANGE 10.0000 TO 1000.00

GEOMETRIC MEAN: 66.7361 DISPERSION: 30.6502 145.308

SCALE OF HISTOGRAM IS .25 COUNTS/PRINT POSITION # = 5,50,95X



146

PRBPLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

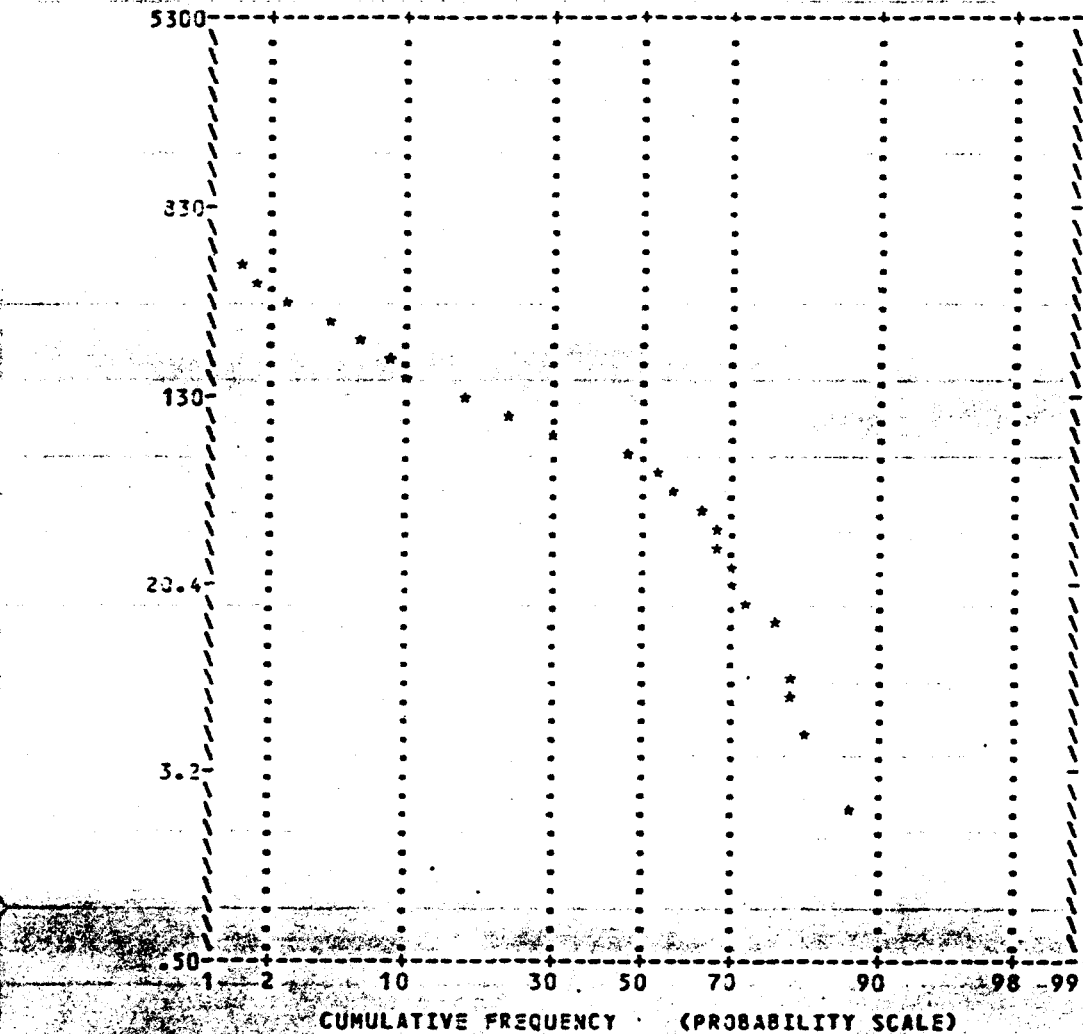
RUN ON 84:11:20 AT 11:20:24

FILE: EQTY03+SCRCH4001.

FIELD NAME: AS LOG =1

MIN = .50000 MAX = 5300.0 MEAN = 96.312 STD DEV = 386.49
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE



| MAX VAL | NVAL | FREQ | CUM FREQ |
|---------|------|------|----------|
| 5300 | 1 | .005 | .005 |
| 4500 | 1 | .005 | .010 |
| 3600 | 1 | .005 | .015 |
| 3000 | 1 | .005 | .020 |
| 2500 | 1 | .005 | .025 |
| 2000 | 1 | .005 | .030 |
| 1700 | 1 | .005 | .035 |
| 1400 | 1 | .005 | .040 |
| 1200 | 1 | .005 | .045 |
| 990 | 1 | .005 | .050 |
| 830 | 1 | .005 | .055 |
| 660 | 1 | .005 | .060 |
| 570 | 1 | .005 | .065 |
| 470 | 1 | .005 | .070 |
| 390 | 1 | .005 | .075 |
| 320 | 1 | .010 | .085 |
| 280 | 1 | .010 | .095 |
| 220 | 1 | .021 | .116 |
| 180 | 1 | .031 | .147 |
| 150 | 1 | .031 | .178 |
| 130 | 1 | .063 | .241 |
| 100 | 1 | .063 | .304 |
| 80 | 1 | .063 | .367 |
| 70 | 1 | .152 | .519 |
| 60 | 1 | .152 | .671 |
| 50 | 1 | .331 | .902 |
| 40 | 1 | .331 | 1.233 |
| 30 | 1 | .516 | 1.749 |
| 20 | 1 | .516 | 2.265 |
| 15 | 1 | .703 | 2.968 |
| 10 | 1 | .703 | 3.671 |
| 8 | 1 | .703 | 4.374 |
| 6 | 1 | .703 | 5.077 |
| 5 | 1 | .703 | 5.780 |
| 4 | 1 | .703 | 6.483 |
| 3 | 1 | .703 | 7.186 |
| 2 | 1 | .703 | 7.889 |
| 1 | 1 | .703 | 8.592 |
| 1 | 1 | .703 | 9.295 |
| 1 | 1 | .703 | 10.000 |
| 1 | 1 | .703 | 10.703 |
| 1 | 1 | .703 | 11.406 |
| 1 | 1 | .703 | 12.109 |
| 1 | 1 | .703 | 12.812 |
| 1 | 1 | .703 | 13.515 |
| 1 | 1 | .703 | 14.218 |
| 1 | 1 | .703 | 14.921 |
| 1 | 1 | .703 | 15.624 |
| 1 | 1 | .703 | 16.327 |
| 1 | 1 | .703 | 17.030 |
| 1 | 1 | .703 | 17.733 |
| 1 | 1 | .703 | 18.436 |
| 1 | 1 | .703 | 19.139 |
| 1 | 1 | .703 | 19.842 |
| 1 | 1 | .703 | 20.545 |
| 1 | 1 | .703 | 21.248 |
| 1 | 1 | .703 | 21.951 |
| 1 | 1 | .703 | 22.654 |
| 1 | 1 | .703 | 23.357 |
| 1 | 1 | .703 | 24.060 |
| 1 | 1 | .703 | 24.763 |
| 1 | 1 | .703 | 25.466 |
| 1 | 1 | .703 | 26.169 |
| 1 | 1 | .703 | 26.872 |
| 1 | 1 | .703 | 27.575 |
| 1 | 1 | .703 | 28.278 |
| 1 | 1 | .703 | 28.981 |
| 1 | 1 | .703 | 29.684 |
| 1 | 1 | .703 | 30.387 |
| 1 | 1 | .703 | 31.090 |
| 1 | 1 | .703 | 31.793 |
| 1 | 1 | .703 | 32.496 |
| 1 | 1 | .703 | 33.199 |
| 1 | 1 | .703 | 33.902 |
| 1 | 1 | .703 | 34.605 |
| 1 | 1 | .703 | 35.308 |
| 1 | 1 | .703 | 36.011 |
| 1 | 1 | .703 | 36.714 |
| 1 | 1 | .703 | 37.417 |
| 1 | 1 | .703 | 38.120 |
| 1 | 1 | .703 | 38.823 |
| 1 | 1 | .703 | 39.526 |
| 1 | 1 | .703 | 40.229 |
| 1 | 1 | .703 | 40.932 |
| 1 | 1 | .703 | 41.635 |
| 1 | 1 | .703 | 42.338 |
| 1 | 1 | .703 | 43.041 |
| 1 | 1 | .703 | 43.744 |
| 1 | 1 | .703 | 44.447 |
| 1 | 1 | .703 | 45.150 |
| 1 | 1 | .703 | 45.853 |
| 1 | 1 | .703 | 46.556 |
| 1 | 1 | .703 | 47.259 |
| 1 | 1 | .703 | 47.962 |
| 1 | 1 | .703 | 48.665 |
| 1 | 1 | .703 | 49.368 |
| 1 | 1 | .703 | 50.071 |
| 1 | 1 | .703 | 50.774 |
| 1 | 1 | .703 | 51.477 |
| 1 | 1 | .703 | 52.180 |
| 1 | 1 | .703 | 52.883 |
| 1 | 1 | .703 | 53.586 |
| 1 | 1 | .703 | 54.289 |
| 1 | 1 | .703 | 54.992 |
| 1 | 1 | .703 | 55.695 |
| 1 | 1 | .703 | 56.398 |
| 1 | 1 | .703 | 57.101 |
| 1 | 1 | .703 | 57.804 |
| 1 | 1 | .703 | 58.507 |
| 1 | 1 | .703 | 59.210 |
| 1 | 1 | .703 | 59.913 |
| 1 | 1 | .703 | 60.616 |
| 1 | 1 | .703 | 61.319 |
| 1 | 1 | .703 | 62.022 |
| 1 | 1 | .703 | 62.725 |
| 1 | 1 | .703 | 63.428 |
| 1 | 1 | .703 | 64.131 |
| 1 | 1 | .703 | 64.834 |
| 1 | 1 | .703 | 65.537 |
| 1 | 1 | .703 | 66.240 |
| 1 | 1 | .703 | 66.943 |
| 1 | 1 | .703 | 67.646 |
| 1 | 1 | .703 | 68.349 |
| 1 | 1 | .703 | 69.052 |
| 1 | 1 | .703 | 69.755 |
| 1 | 1 | .703 | 70.458 |
| 1 | 1 | .703 | 71.161 |
| 1 | 1 | .703 | 71.864 |
| 1 | 1 | .703 | 72.567 |
| 1 | 1 | .703 | 73.270 |
| 1 | 1 | .703 | 73.973 |
| 1 | 1 | .703 | 74.676 |
| 1 | 1 | .703 | 75.379 |
| 1 | 1 | .703 | 76.082 |
| 1 | 1 | .703 | 76.785 |
| 1 | 1 | .703 | 77.488 |
| 1 | 1 | .703 | 78.191 |
| 1 | 1 | .703 | 78.894 |
| 1 | 1 | .703 | 79.597 |
| 1 | 1 | .703 | 80.300 |
| 1 | 1 | .703 | 81.003 |
| 1 | 1 | .703 | 81.706 |
| 1 | 1 | .703 | 82.409 |
| 1 | 1 | .703 | 83.112 |
| 1 | 1 | .703 | 83.815 |
| 1 | 1 | .703 | 84.518 |
| 1 | 1 | .703 | 85.221 |
| 1 | 1 | .703 | 85.924 |
| 1 | 1 | .703 | 86.627 |
| 1 | 1 | .703 | 87.330 |
| 1 | 1 | .703 | 88.033 |
| 1 | 1 | .703 | 88.736 |
| 1 | 1 | .703 | 89.439 |
| 1 | 1 | .703 | 90.142 |
| 1 | 1 | .703 | 90.845 |
| 1 | 1 | .703 | 91.548 |
| 1 | 1 | .703 | 92.251 |
| 1 | 1 | .703 | 92.954 |
| 1 | 1 | .703 | 93.657 |
| 1 | 1 | .703 | 94.360 |
| 1 | 1 | .703 | 95.063 |
| 1 | 1 | .703 | 95.766 |
| 1 | 1 | .703 | 96.469 |
| 1 | 1 | .703 | 97.172 |
| 1 | 1 | .703 | 97.875 |
| 1 | 1 | .703 | 98.578 |
| 1 | 1 | .703 | 99.281 |
| 1 | 1 | .703 | 100.000 |

HISTO: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 34:11:20 AT 11:29:24

FILE: EQYJ3+SCRCHA001.

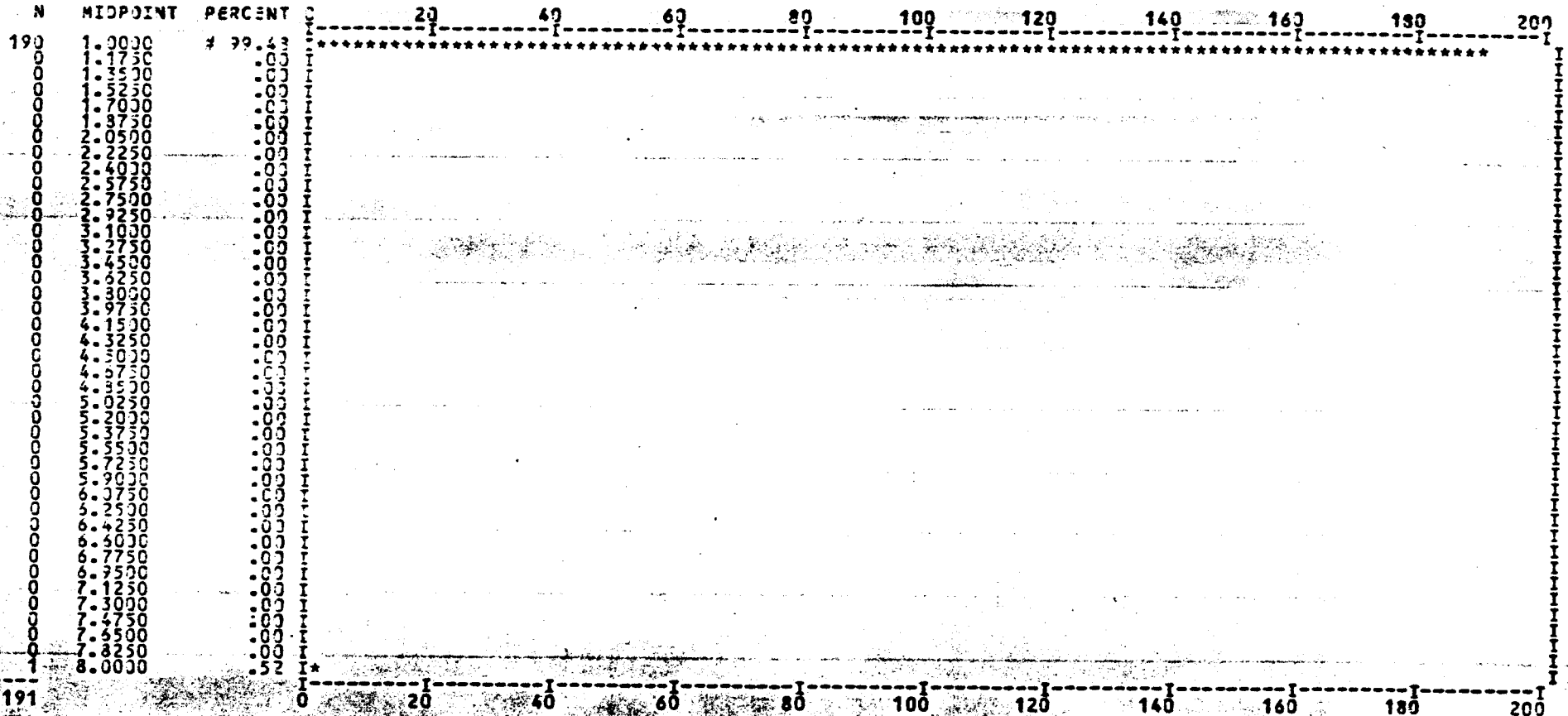
FIELD NAME: S3 LOG = 0

191 SAMPLES WITH SB MINIMUM: 1.00000 MAXIMUM: 8.00000

191 VALUES PLOTTED: 0 NOT IN RANGE 1.00000 TO 8.00000

MEAN: 1.03665 STD. DEV.: .506502

SCALE OF HISTOGRAM IS 2.00 COUNTS/PRINT POSITION # = 5,50,95%



PRBPLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

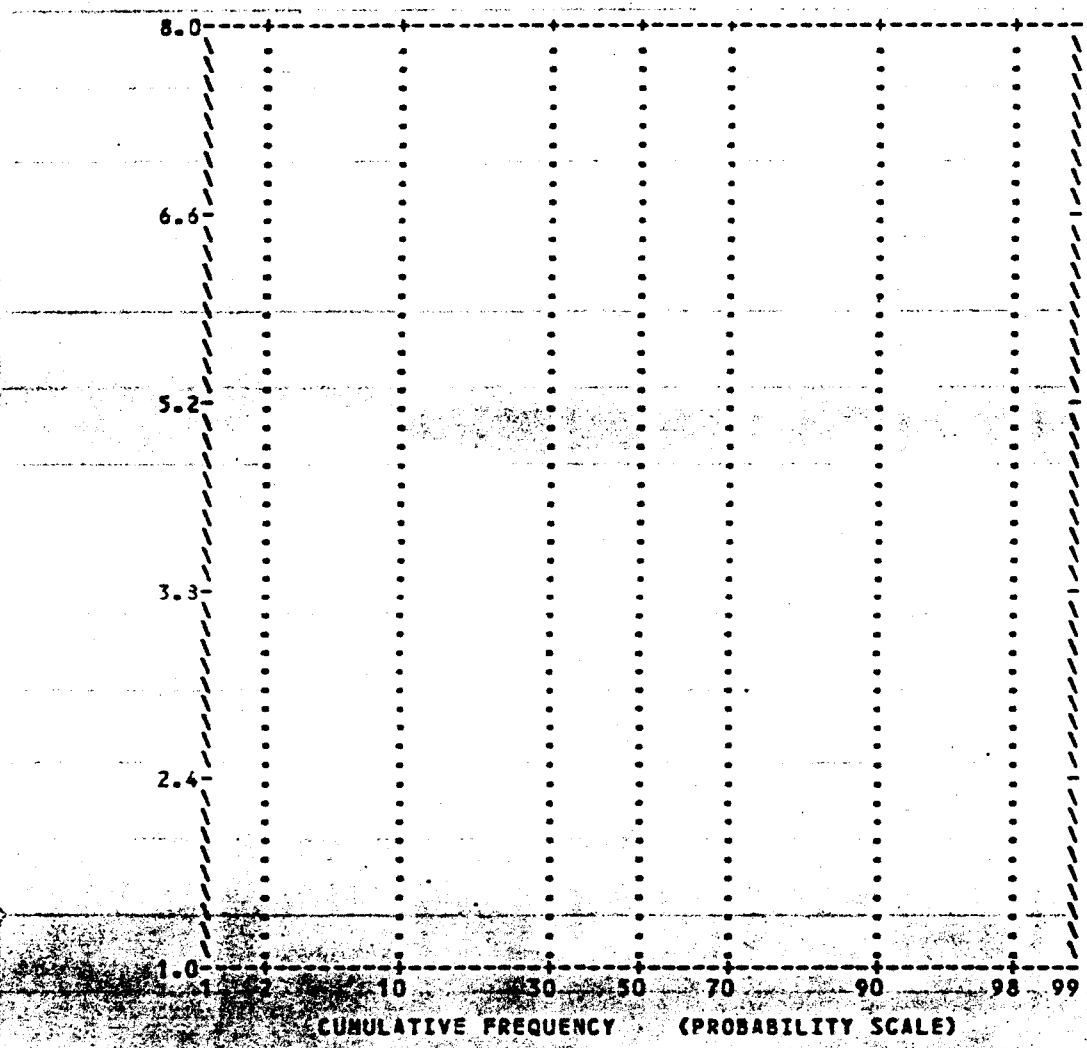
RUN ON 84:11:20 AT 11:20:24

FILE: EQTYJJ*SCRCHA001.

FIELD NAME: S3 LOG #0

MIN = 1.0000 MAX = 3.0000 MEAN = 1.0366 STD DEV = .50653
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE



| MAX VAL | NVAL | FREQ | CUM FREQ |
|---------|------|------|----------|
| 8.0000 | 1 | .005 | .005 |
| 7.8600 | 0 | .000 | .005 |
| 7.7200 | 0 | .000 | .005 |
| 7.5800 | 0 | .000 | .005 |
| 7.4400 | 0 | .000 | .005 |
| 7.3000 | 0 | .000 | .005 |
| 7.1600 | 0 | .000 | .005 |
| 7.0200 | 0 | .000 | .005 |
| 6.8800 | 0 | .000 | .005 |
| 6.7400 | 0 | .000 | .005 |
| 6.6000 | 0 | .000 | .005 |
| 6.4600 | 0 | .000 | .005 |
| 6.3200 | 0 | .000 | .005 |
| 6.1800 | 0 | .000 | .005 |
| 6.0400 | 0 | .000 | .005 |
| 5.9000 | 0 | .000 | .005 |
| 5.7600 | 0 | .000 | .005 |
| 5.6200 | 0 | .000 | .005 |
| 5.4800 | 0 | .000 | .005 |
| 5.3400 | 0 | .000 | .005 |
| 5.2000 | 0 | .000 | .005 |
| 5.0600 | 0 | .000 | .005 |
| 4.9200 | 0 | .000 | .005 |
| 4.7800 | 0 | .000 | .005 |
| 4.6400 | 0 | .000 | .005 |
| 4.5000 | 0 | .000 | .005 |
| 4.3600 | 0 | .000 | .005 |
| 4.2200 | 0 | .000 | .005 |
| 4.0800 | 0 | .000 | .005 |
| 3.9400 | 0 | .000 | .005 |
| 3.8000 | 0 | .000 | .005 |
| 3.6600 | 0 | .000 | .005 |
| 3.5200 | 0 | .000 | .005 |
| 3.3800 | 0 | .000 | .005 |
| 3.2400 | 0 | .000 | .005 |
| 3.1000 | 0 | .000 | .005 |
| 2.9600 | 0 | .000 | .005 |
| 2.8200 | 0 | .000 | .005 |
| 2.6800 | 0 | .000 | .005 |
| 2.5400 | 0 | .000 | .005 |
| 2.4000 | 0 | .000 | .005 |
| 2.2600 | 0 | .000 | .005 |
| 2.1200 | 0 | .000 | .005 |
| 1.9800 | 0 | .000 | .005 |
| 1.8400 | 0 | .000 | .005 |
| 1.7000 | 0 | .000 | .005 |
| 1.5600 | 0 | .000 | .005 |
| 1.4200 | 0 | .000 | .005 |
| 1.2800 | 0 | .000 | .005 |
| 1.1400 | 0 | .000 | .005 |
| 1.0000 | 190 | .005 | 1.000 |
| 1.0000 | 0 | .000 | 1.000 |

HISTO: PAT GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 84:11:20 AT 11:20:24

FILE: EQTYJ3*SCRCHA031.

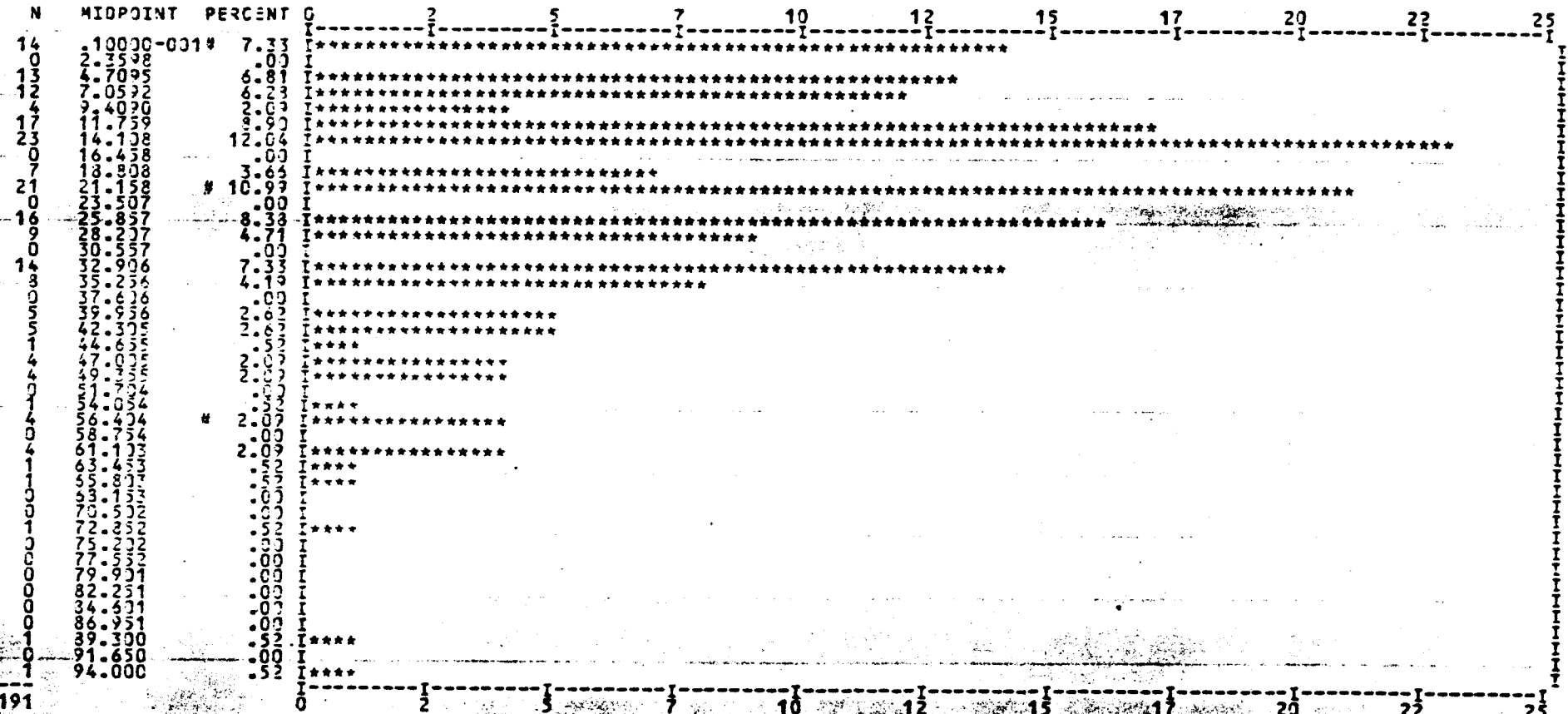
FIELD NAME: HG LOG = 0

191 SAMPLES WITH HG MINIMUM: .100000-001 MAXIMUM: 94.0000

191 VALUES PLOTTED: 0 NOT IN RANGE .100000-001 TO 94.0000

MEAN: 23.1159 STD. DEV.: 17.4028

SCALE OF HISTOGRAM IS .25 COUNTS/PRINT POSITION # = 5,50,95X



PRRPLT: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 84:11:20 AT 11:30:24

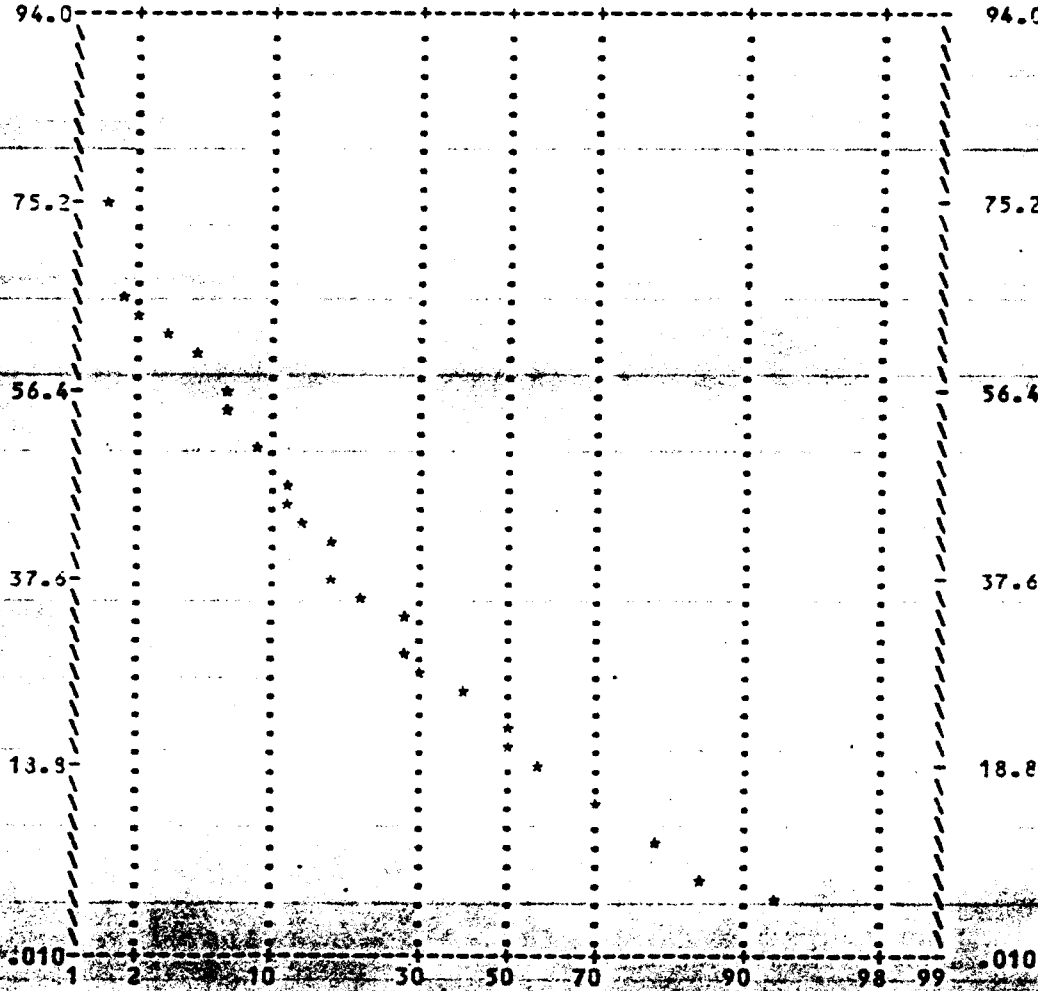
FILE: EQTY03*SCRCHA001.

FIELD NAME: HG LOG = 0

MIN = .10000-C01 MAX = 94.000 MEAN = 23.115 STD DEV = 17.403
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE

| MAX VAL | NVAL | FREQ | CUM FREQ |
|---------|------|------|----------|
| 94.000 | 1 | .005 | .005 |
| 92.120 | 0 | .000 | .005 |
| 90.240 | 1 | .005 | .010 |
| 89.361 | 0 | .000 | .010 |
| 86.481 | 0 | .000 | .010 |
| 84.601 | 0 | .000 | .010 |
| 82.721 | 0 | .000 | .010 |
| 80.841 | 0 | .000 | .010 |
| 79.962 | 0 | .000 | .010 |
| 77.082 | 0 | .000 | .010 |
| 75.202 | 1 | .005 | .015 |
| 73.322 | 0 | .000 | .015 |
| 71.442 | 0 | .000 | .015 |
| 69.563 | 0 | .000 | .015 |
| 67.683 | 0 | .000 | .015 |
| 65.803 | 1 | .005 | .020 |
| 63.923 | 1 | .005 | .025 |
| 62.043 | 2 | .010 | .035 |
| 60.164 | 2 | .010 | .045 |
| 58.284 | 0 | .000 | .045 |
| 56.404 | 4 | .020 | .065 |
| 54.524 | 1 | .005 | .070 |
| 52.644 | 0 | .000 | .070 |
| 50.765 | 4 | .020 | .090 |
| 48.885 | 0 | .000 | .090 |
| 47.005 | 4 | .020 | .110 |
| 45.125 | 1 | .005 | .115 |
| 43.245 | 5 | .025 | .140 |
| 41.366 | 5 | .025 | .165 |
| 39.486 | 0 | .000 | .165 |
| 37.606 | 3 | .015 | .180 |
| 35.726 | 5 | .025 | .205 |
| 33.846 | 1 | .005 | .210 |
| 31.967 | 0 | .000 | .210 |
| 30.087 | 3 | .015 | .225 |
| 28.207 | 6 | .030 | .255 |
| 26.327 | 16 | .080 | .335 |
| 24.447 | 0 | .000 | .335 |
| 22.568 | 2 | .010 | .345 |
| 20.688 | 1 | .005 | .350 |
| 18.808 | 7 | .035 | .385 |
| 16.928 | 0 | .000 | .385 |
| 15.048 | 2 | .010 | .395 |
| 13.169 | 0 | .000 | .395 |
| 11.289 | 2 | .010 | .405 |
| 9.409 | 0 | .000 | .405 |
| 7.529 | 1 | .005 | .410 |
| 5.649 | 1 | .005 | .415 |
| 3.769 | 0 | .000 | .415 |
| 1.889 | 1 | .005 | .420 |
| .10000 | 0 | .000 | .420 |



CUMULATIVE FREQUENCY (PROBABILITY SCALE)

HISTO: PAI GEOCHEM FILE: ZEST TRENCHING: ROCK CHIP SAMPLES

RUN ON 34:11:20 AT 11:20:24

FILE: EQTY03*SCRNAC01.

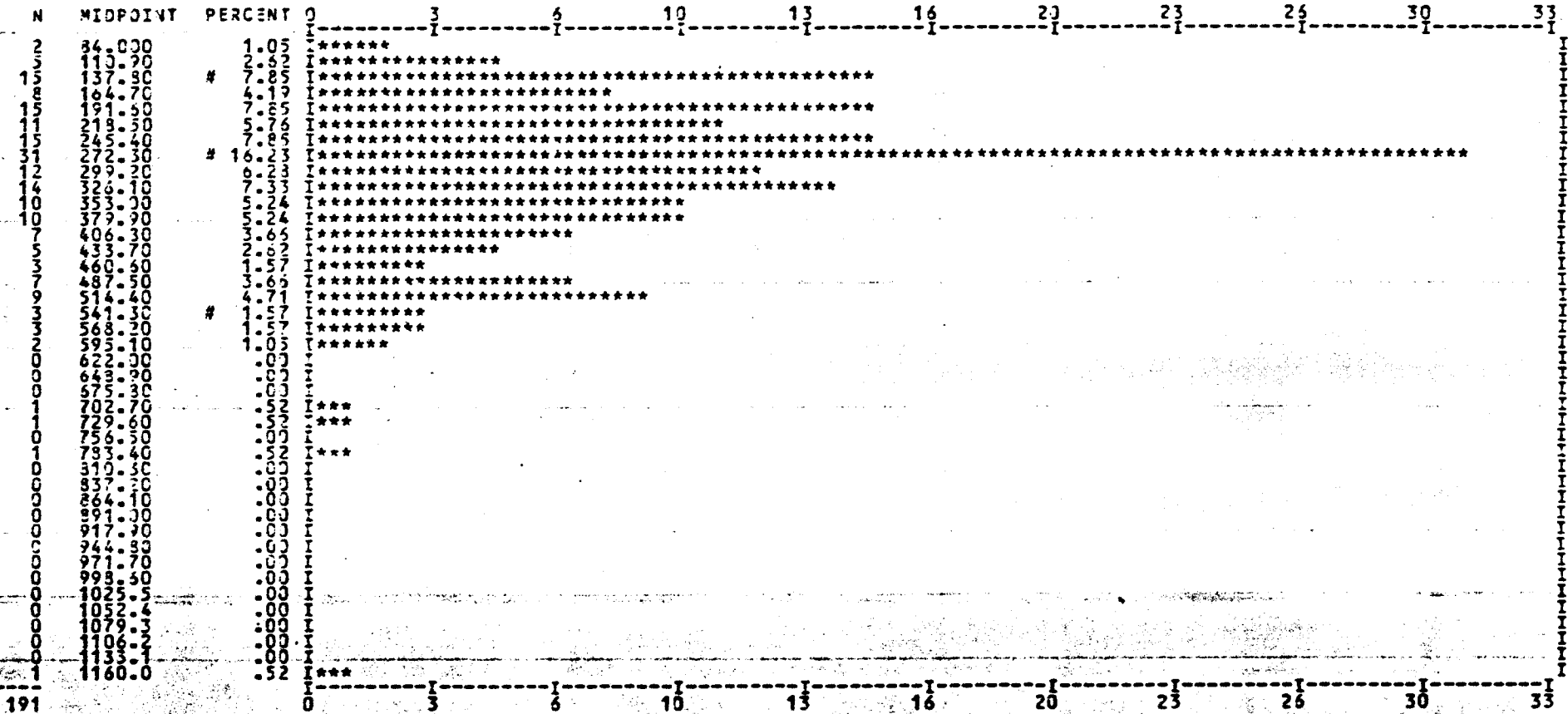
FIELD NAME: F LOG = 0

191 SAMPLES WITH F MINIMUM: 84.0000 MAXIMUM: 1160.00

191 VALUES PLOTTED: 0 NOT IN RANGE 34.0000 TO 1160.00

MEAN: 310.262 STD. DEV.: 145.921

SCALE OF HISTOGRAM IS .33 COUNTS/PRINT POSITION # = 5,50,95%



PR3PLT: PAI GEOCHEM FILE: ZEST TRENCHING: POCK CHIP SAMPLES
 FILE: EQTY03*SCRCHA001. FIELD NAME: F LOG = J

RUN ON 84-11-20 AT 14:20:24

MIN = 34.000 MAX = 1160.0 MEAN = 310.24 STD DEV = 145.92
 NUMBER OF DATA PLOTTED = 191 (0 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE

| MAX VAL | NVAL | FREQ | CUM FREQ |
|----------|------|------|----------|
| 1160.000 | 1 | .005 | .005 |
| 1132.000 | 1 | .005 | .010 |
| 1117.000 | 1 | .005 | .015 |
| 1095.000 | 1 | .005 | .020 |
| 1073.000 | 1 | .005 | .025 |
| 1052.000 | 1 | .005 | .030 |
| 1030.000 | 1 | .005 | .035 |
| 1009.000 | 1 | .005 | .040 |
| 937.000 | 1 | .005 | .045 |
| 914.000 | 1 | .005 | .050 |
| 892.000 | 1 | .005 | .055 |
| 870.000 | 1 | .005 | .060 |
| 848.000 | 1 | .005 | .065 |
| 826.000 | 1 | .005 | .070 |
| 804.000 | 1 | .005 | .075 |
| 782.000 | 1 | .005 | .080 |
| 760.000 | 1 | .005 | .085 |
| 738.000 | 1 | .005 | .090 |
| 716.000 | 1 | .005 | .095 |
| 694.000 | 1 | .005 | .100 |
| 672.000 | 1 | .005 | .105 |
| 650.000 | 1 | .005 | .110 |
| 628.000 | 1 | .005 | .115 |
| 606.000 | 1 | .005 | .120 |
| 584.000 | 1 | .005 | .125 |
| 562.000 | 1 | .005 | .130 |
| 540.000 | 1 | .005 | .135 |
| 518.000 | 1 | .005 | .140 |
| 496.000 | 1 | .005 | .145 |
| 474.000 | 1 | .005 | .150 |
| 452.000 | 1 | .005 | .155 |
| 430.000 | 1 | .005 | .160 |
| 408.000 | 1 | .005 | .165 |
| 386.000 | 1 | .005 | .170 |
| 364.000 | 1 | .005 | .175 |
| 342.000 | 1 | .005 | .180 |
| 320.000 | 1 | .005 | .185 |
| 298.000 | 1 | .005 | .190 |
| 276.000 | 1 | .005 | .195 |
| 254.000 | 1 | .005 | .200 |
| 232.000 | 1 | .005 | .205 |
| 210.000 | 1 | .005 | .210 |
| 188.000 | 1 | .005 | .215 |
| 166.000 | 1 | .005 | .220 |
| 144.000 | 1 | .005 | .225 |
| 122.000 | 1 | .005 | .230 |
| 100.000 | 1 | .005 | .235 |
| 78.000 | 1 | .005 | .240 |
| 56.000 | 1 | .005 | .245 |
| 34.000 | 1 | .005 | .250 |
| 12.000 | 1 | .005 | .255 |
| 0.000 | 1 | .005 | .260 |

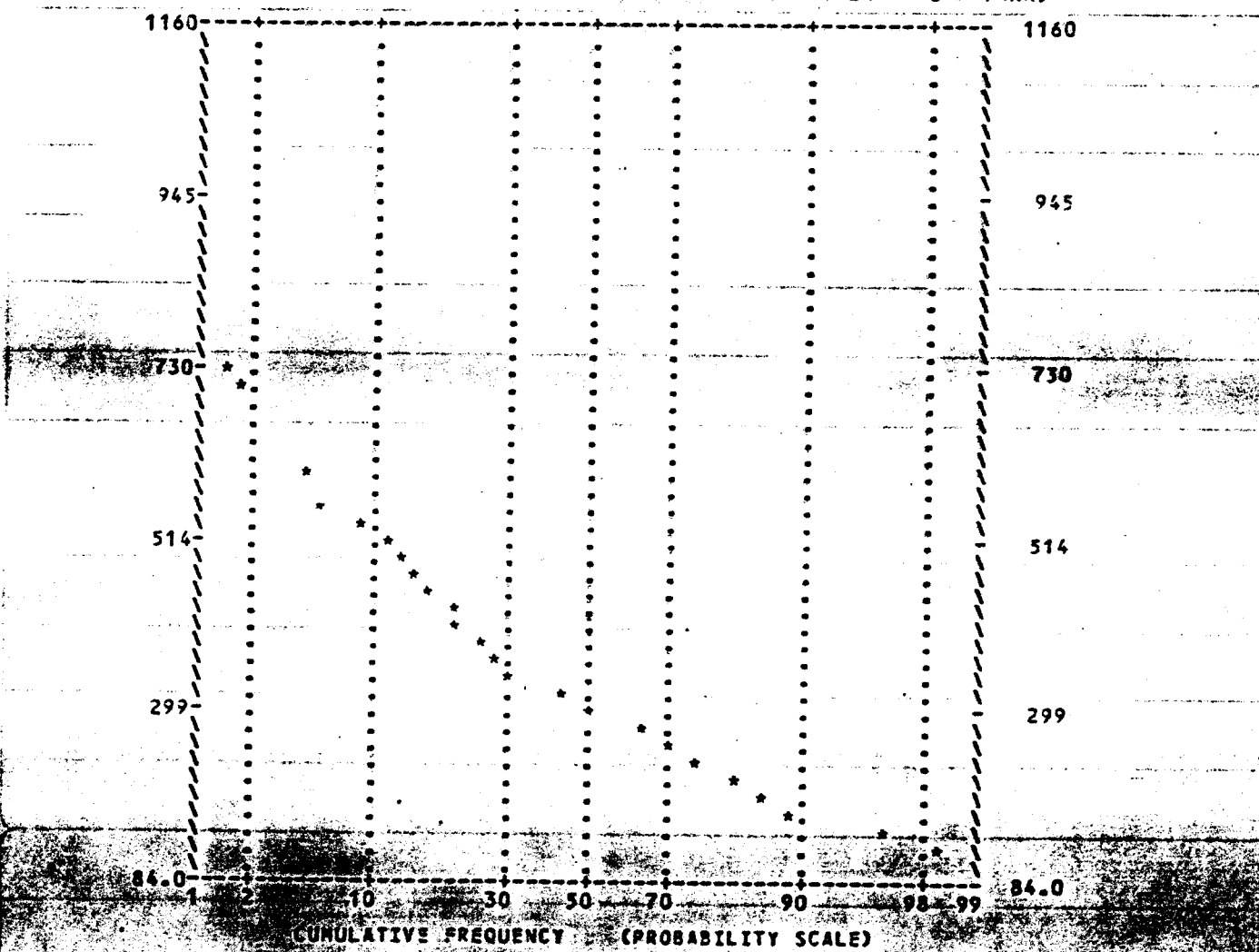
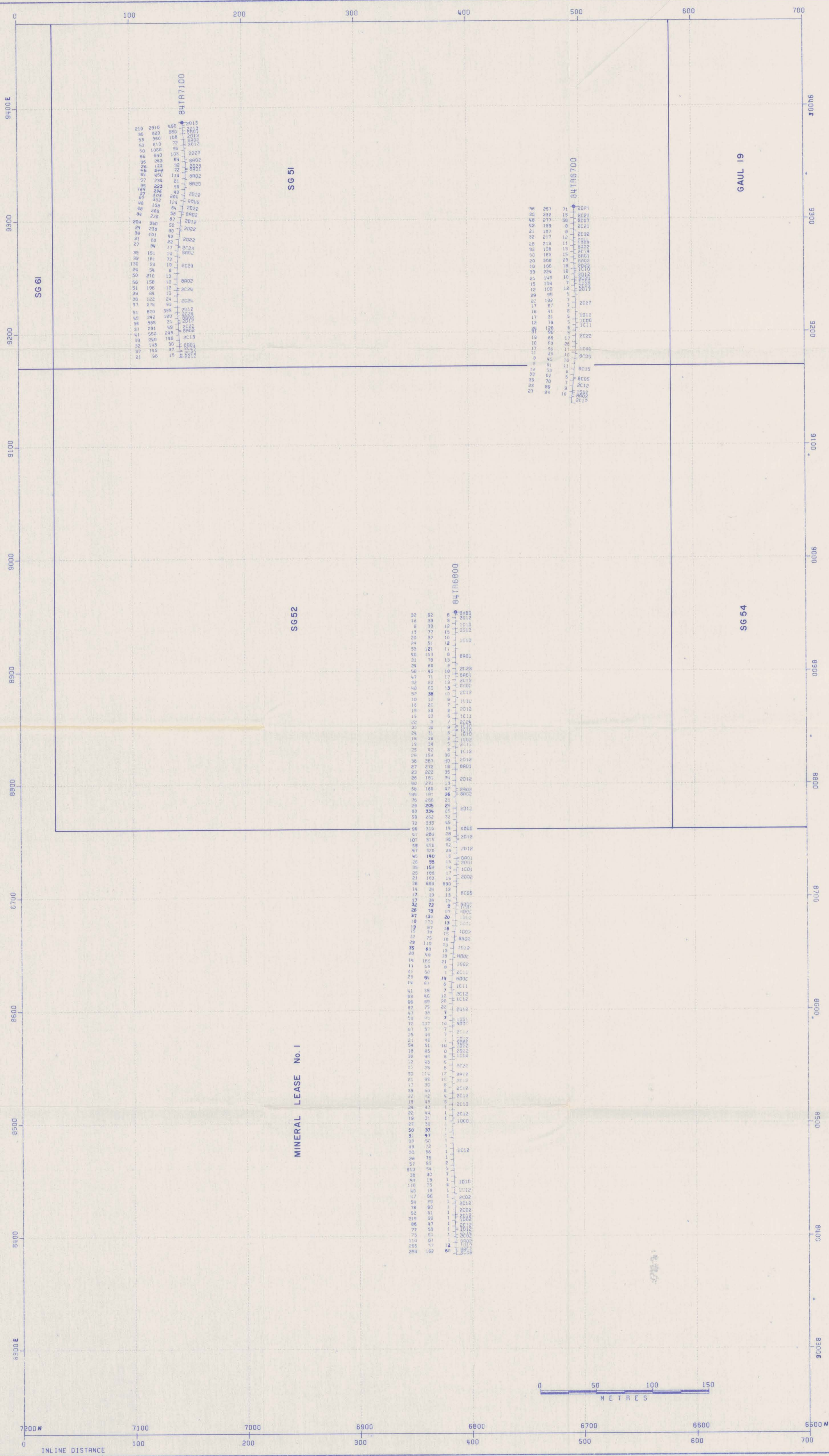


FIGURE 5. GEOLOGY AND GEOCHEM
EQUITY SILVER MINES LIMITED
ZEST ZONE TRENCHES
ROCK CHIP GEOCHEMISTRY
AND GEOLOGY



Rock Type Codes

1st digit (number) - Defines Stratigraphic Unit
2nd digit (letter) - Defines Lithology, Unique to Stratigraphic Unit
3rd digit (number) - Defines Intensity of Fracturing or Brecciation
4th digit (number) - Defines Type and Intensity of Alteration

1st Digit Stratigraphic Unit | 2nd Digit Lithology

- 1. Granitic Division**
 - A. Polymictic Conglomerate
 - B. Cherty or Silty Argillite
 - C. Chert Pebble Conglomerate
 - D. Cherty Sandstone
 - E. Cherty Argillite
 - F. Silty Argillite
- 2. Pyroclastic Division**
 - A. Flow Breccia
 - B. Ash Flow
 - C. Dust Tuff
 - D. Ash Tuff
 - E. Lapilli Tuff
 - F. Volcanic Breccia
 - G. Volcanic Sandstone
 - H. Volcanic Conglomerate
 - I. Breccia Tuff
 - J. Interbedded Dust and Ash Tuff
- 3. Sedimentary-Volcanic Division**
 - A. Chert Pebble Conglomerate
 - B. Quartz Sandstone
 - C. Laminated Dust Tuff
 - D. Volcanic Conglomerate
 - E. Volcanic Sandstone
 - F. Dust Tuff
 - G. Ash Tuff
 - H. Lapilli Tuff
 - I. Volcanic Sandstone
 - J. Interbedded Dust and Ash Tuff
- 4. Volcanic Flow Division**
 - A. Andesite Flow
 - B. Dacite Flow
- 5. Quartz Monzonite**
 - A. Fresh Quartz Monzonite
 - B. Altered Quartz Monzonite
- 6. Gabbro-Monzonite Complex**
 - A. Gabbro
 - B. Chertite
 - C. Monzonite
 - D. High-Magnesian Monzonite Porphyry
 - E. Gabbro-Monzonite Transition Phase
- 7. Porphyry Dykes**
 - A. Andesite
 - B. Trachyandesite
 - C. Quartz Latite
- 8. Tertiary Volcanics**
 - A. Trachyandesite Flow
 - B. Amphybolite Andesite Flow
 - C. Flow Breccia

3rd Digit - Intensity of Fracturing or Brecciation | 4th Digit - Type and Intensity of Alteration

0. No Fracturing
1. Weak Fracturing
2. Moderate Fracturing
3. Moderately to Strong Fracturing
4. Strong Fracturing
5. Weak Brecciation
6. Weak to Moderate Brecciation
7. Moderate Brecciation
8. Moderate to Strong Brecciation
9. Strong Brecciation

0. Unaltered (Fresh)
1. Weak Propylitic (Chlorite-actinolite)
2. Moderate Propylitic (Glaucophane)
3. Weak Phyllic (Glaucophane)
4. Moderate Phyllic
5. Advanced Phyllic
6. Weak Potassic
7. Weak Potassic
8. Strong Potassic
9. Strong Potassic (Silica (Qtz))

Example:
2011 - is a Unit 2 (Pyroclastic Division) dust tuff which exhibits weak fracture intensity and weak propylitic alteration.

GEOLOGICAL BRANCH ASSESSMENT REPORT

13,264

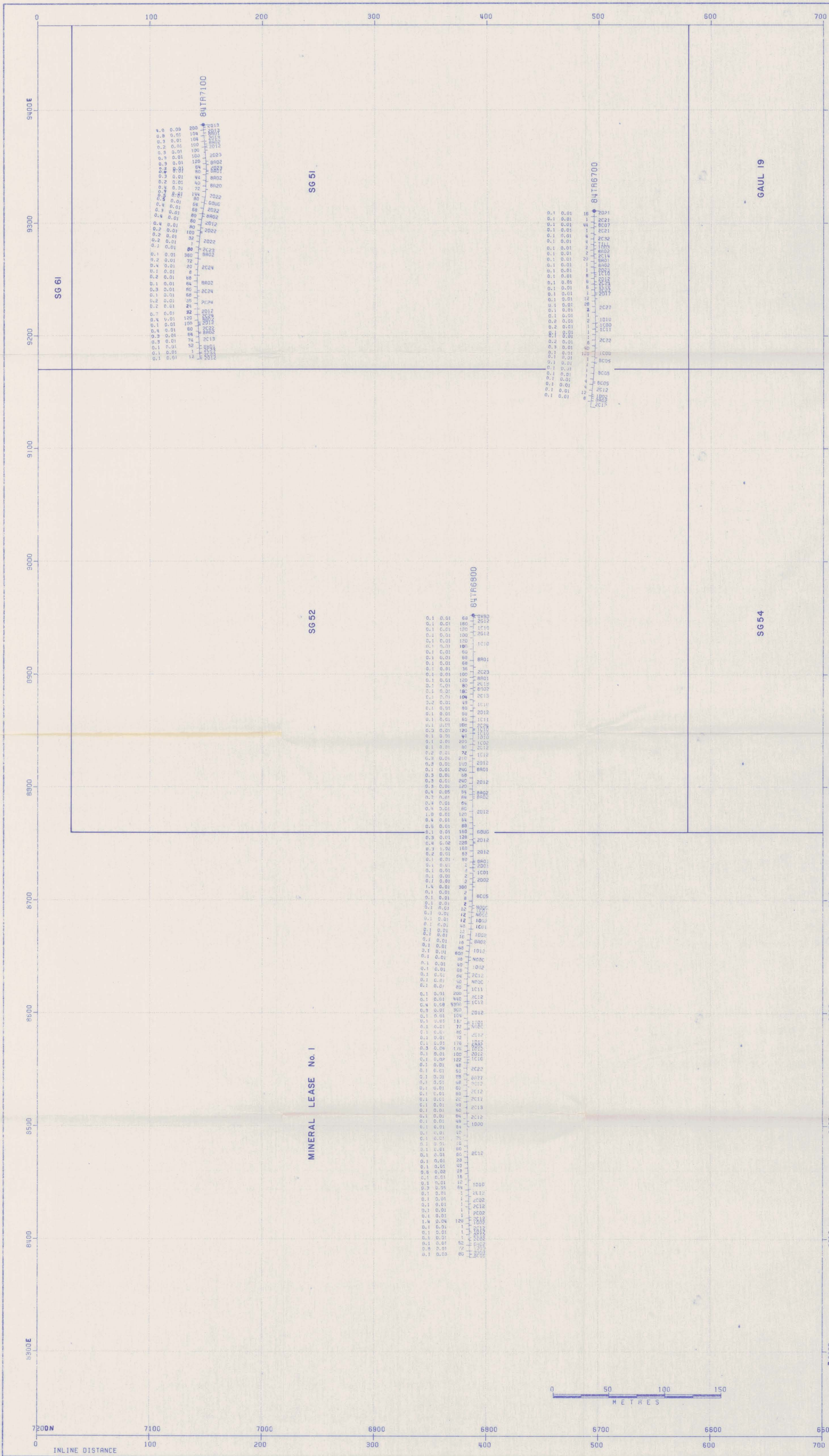
XL 7200. TL 1435. XR 6500. YR 1435. WIDTH 200.

DATA FILE: E0TY03WGL-TRCH-ZEST.
ASSAYS PLOTTED: PPM CU PPM ZN PPM PB

| | | | |
|---------------|--|-------------------------------|--|
| DRAWN PS | | FIGURE 5. GEOLOGY AND GEOCHEM | |
| DATE 04/11/19 | | | |
| SCALE 1:1500 | | | |
| 40. | | | |

FIGURE 6. GEOLOGY AND GEOCHEM

EQUITY SILVER MINES LIMITED
ZEST ZONE TRENCHES
ROCK CHIP GEOCHEMISTRY
AND GEOLOGY



Rock Type Codes

| 1st Digit (number) | 2nd Digit (letter) | 3rd Digit (number) | 4th Digit (letter) |
|--|--|--|--|
| 1st Digit Stratigraphic Unit | 2nd Digit Lithology | 3rd Digit Intensity of Fracturing or Brecciation | 4th Digit Type and Intensity of Alteration |
| 1. Clastic Division | A. Polyblastic Conglomerate B. Quartz Sandstone C. Chert Pebble Conglomerate D. Quartz Sandstone E. Cherty Argillite F. Silty Argillite | | |
| 2. Pyroclastic Division | A. Flow Breccia B. Ash Flow C. Dust Tuff D. Ash Tuff E. Lapilli Tuff F. Volcanic Breccia G. Volcanic Sandstone H. Volcanic Conglomerate I. Breccia Tuff J. Interbedded Dust and Ash Tuff | | |
| 3. Sedimentary-Volcanic Division | A. Chert Pebble Conglomerate B. Quartz Sandstone C. Lithified Dust Tuff D. Volcanic Conglomerate E. Volcanic Sandstone F. Dust Tuff G. Ash Tuff H. Lapilli Tuff I. Volcanic Silstone J. Interbedded Dust and Ash Tuff | | |
| 4. Volcanic Flow Division | A. Andesite Flow B. Basaltic Flow | | |
| 5. Quartz Monzonite | A. Fresh Quartz Monzonite B. Altered Quartz Monzonite | | |
| 6. Gabbro-Monzonite Complex | A. Gabbro B. Diorite C. Monzonite D. Hypocentred Monzonite Porphyry E. Gabbro-Monzonite Transition Phase | | |
| 7. Property Dykes | A. Andesite B. Trachyandesite C. Quartz Latite | | |
| 8. Tertiary Volcanic | A. Trachyandesite Flow B. Amphibolitic Andesite Flow C. Flow Breccia | | |
| 9th Digit - Intensity of Fracturing or Brecciation | 10th Digit - Type and Intensity of Alteration | | |
| 0. No Fracturing | 0. Unaltered (Fresh) | | |
| 1. Weak Fracturing | 1. Weak Propylitic (Chlorite-illite) | | |
| 2. Moderate Fracturing | 2. Strong Propylitic | | |
| 3. Moderate to Strong Fracturing | 3. Weak Phyllic (Glaucophane) | | |
| 4. Strong Fracturing | 4. Moderate Phyllic | | |
| 5. Weak Brecciation | 5. Persephone Phyllic | | |
| 6. Weak to Moderate Brecciation | 6. Andesite Argillite | | |
| 7. Moderate Brecciation | 7. Weak Potassic | | |
| 8. Moderate to Strong Brecciation | 8. Strong Potassic | | |
| 9. Strong Brecciation | 9. Silice (Gst.) | | |

Example:
2C11 - is a Unit 2 (Pyroclastic Division) dust tuff which displays weak fracture intensity and weak propylitic alteration.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,264

XL 7200. YL 1435. XR 6500. YR 1435. WIDTH 200.

DATA FILE: ECTY03WGL-TRCH-ZEST.
ASSAYS PLOTTED: PPM AG PPM AU PPM AS

PLACER DEVELOPMENT LIMITED

FIGURE 6. GEOLOGY AND GEOCHEM

DATE 84/11/19

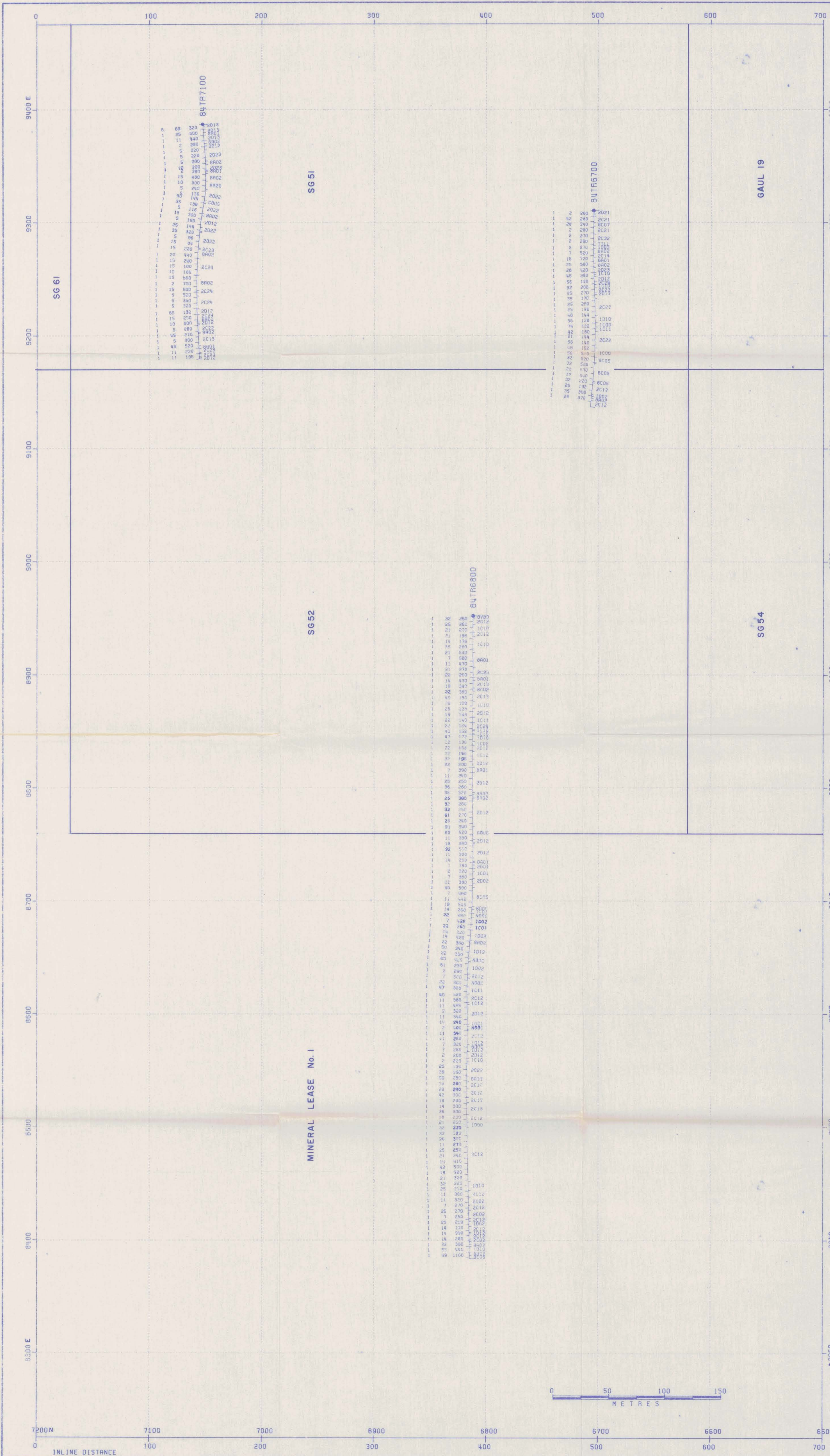
SCALE 1:1500

DRANN PS

NO.

FIGURE 7. GEOLOGY AND GEOCHEM

EQUITY SILVER MINES LIMITED
ZEST ZONE TRENCHES
ROCK CHIP GEOCHEMISTRY
AND GEOLOGY



| 1st Digit (Number) | 2nd Digit (Letter) | 3rd Digit (Number) | 4th Digit (Number) |
|--|--|-----------------------------------|--------------------|
| Define Stratigraphic Unit | | | |
| Define Lithology, Unique to Stratigraphic Unit | | | |
| Define Intensity of Fracturing or Brecciation | | | |
| Define Type and Intensity of Alteration | | | |
| 1st Digit | 2nd Digit | Lithology | |
| 1. Quartz Diagen | A. | Residual Conglomerate | |
| | B. | Cherty or Silty Argillite | |
| | C. | Chert Pebble Conglomerate | |
| | D. | Quartz Sandstone | |
| | E. | Cherty Argillite | |
| | F. | Silty Argillite | |
| 2. Pyroclastic Diagen | A. | Flow Breccia | |
| | B. | Ash Fall | |
| | C. | Dust Fall | |
| | D. | Ash Fall | |
| | E. | Laminar Fall | |
| | F. | Volcanic Breccia | |
| | G. | Volcanic Sandstone | |
| | H. | Volcanic Conglomerate | |
| | I. | Washed Tuff | |
| | J. | Interbedded Dust and Ash Tuff | |
| 3. Sedimentary-Volcanic Diagen | A. | Chert Pebble Conglomerate | |
| | B. | Quartz Sandstone | |
| | C. | Laminated Dust Tuff | |
| | D. | Volcanic Conglomerate | |
| | E. | Volcanic Sandstone | |
| | F. | Dust Tuff | |
| | G. | Ash Tuff | |
| | H. | Laminar Tuff | |
| | I. | Volcanic Sandstone | |
| | J. | Interbedded Dust and Ash Tuff | |
| 4. Volcanic Flow Diagen | A. | Andesite Flow | |
| | B. | Dacite Flow | |
| 5. Quartz Monzonite | A. | Fresh Quartz Monzonite | |
| | B. | Altered Quartz Monzonite | |
| 7. Gabbro-Monzonite Complex | A. | Gabbro | |
| | B. | Dacite | |
| | C. | Monzonite | |
| | D. | Hypocentred Monzonite Porphyry | |
| | E. | Gabbro-Monzonite Transition Phase | |
| 8. Porphyry Dykes | A. | Andesite | |
| | B. | Trachyte | |
| | C. | Quartz Latite | |
| 9. Tertiary Volcanics | A. | Trachyandesite Flow | |
| | B. | Amphibolite Andesite Flow | |
| | C. | Flow Breccia | |
| 3rd Digit - Intensity of Fracturing or Brecciation | 4th Digit - Type and Intensity of Alteration | | |
| 0. No Fracturing | 0. | Unaltered (Fresh) | |
| 1. Weak Fracturing | 1. | Weak Prophyritic (Microbreccia) | |
| 2. Moderate Fracturing | 2. | Strong Prophyritic | |
| 3. Moderate to Strong Fracturing | 3. | Weak Phyllic (Glaucous) | |
| 4. Strong Fracturing | 4. | Moderate Phyllic | |
| 5. Weak Brecciation | 5. | Persevere Phyllic | |
| 6. Weak to Moderate Brecciation | 6. | Advanced Argillic | |
| 7. Moderate Brecciation | 7. | Weak Potassic | |
| 8. Moderate to Strong Brecciation | 8. | Strong Argillic | |
| 9. Strong Brecciation | 9. | Strong Potassic | |

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,264

XL YL XR YR WIDTH
7200. 1435. 6500. 1435. 200.

DATA FILE: E01103MGL-TRCH-ZEST.
ASSAYS PLOTTED: PPM SB PPB HG PPM F

PLACER DEVELOPMENT LIMITED

FIGURE 7. GEOLOGY AND GEOCHEM

DRAWN PS
DATE 84/11/19
SCALE 1:1500
NO.