

NO: *March 26/91* RD.  
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# GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

## SCUD PROPERTY

Record Numbers 5630, 5631 & 5638

GALORE CREEK AREA  
LIARD MINING DIVISION  
BRITISH COLUMBIA

N.T.S.: 104G/3W, 4E, 5E, 6W

LATITUDE: 57 DEGREES 14 MINUTES NORTH  
LONGITUDE: 131 DEGREES 30 MINUTES WEST

for

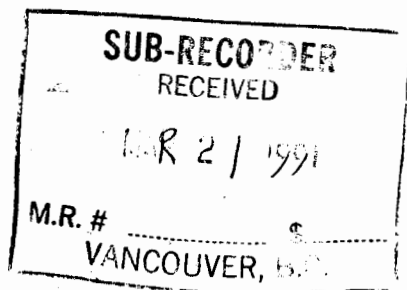
SLOCAN DEVELOPMENTS LTD.

10th Floor, 808 W. Hastings Street

Vancouver, B.C.

V6B 2X6

GEOLOGICAL BRANCH  
ASSESSMENT REPORT



21,147

BY

ANDREW L. WILKINS B.Sc.

of

QUEST CANADA EXPLORATIONS LTD.  
COAST MOUNTAIN GEOLOGICAL LTD.

January, 1991

### SUMMARY

Exploration on the Scud Property consisted of prospecting, silt sampling, contour soil sampling, grid soil sampling, hand trenching and geological mapping.

The property is underlain by Permian limestone and argillite of the Stikine Assemblage. The Stikine Assemblage has been intruded by Cretaceous granodioritic dykes of the Coast Plutonic Complex.

One mineralized showing was discovered on the property and is known as the Twilight Zone. It consists of laminated and shear hosted sulphides that occur along the contact between massive limestone and phyllite. The zone is at least 5 metres wide and traceable for 500 metres. Assays of up to 1.474 grams per tonne (0.043 ounces per ton) gold, 137.49 grams per tonne (4.01 ounces per ton) silver, 11.08% copper, 9.45% lead and 2.82% zinc have been returned from the showing.

Soil geochemistry has delineated two soil anomalies. The strongest and most extensive anomaly is associated with the Twilight Zone. It is a multi-element anomaly that extends for 1100 metres and contains values of up to 1,390 ppb gold, 89.2 ppm silver, 9,733 ppm copper, 22,806 ppm lead, 7,255 ppm zinc, 351 ppm molybdenum and 42.6 ppm cadmium. The second anomaly is a silver anomaly that extends for 600 metres.

Further exploration should be focused on the Twilight Zone. An exploration program of soil geochemistry, Genie EM geophysics and geological mapping followed by trenching, rock geochemistry and diamond drilling has been recommended.

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## 1. INTRODUCTION

### 1.1 LOCATION & ACCESS

The Scud Property is located on the Scud River approximately 77 kilometres south-southwest of Telegraph Creek in the Liard Mining Division of Northwestern British Columbia. The property is centred at 57 degrees 14 minutes North latitude and 131 degrees 30 minutes West longitude (N.T.S. 104G/3W,4E,5E,6W). Access to the property is by helicopter only. Fixed wing airstrips exist within fifteen kilometres of the claims (Galore Creek or Scud River) and are good locations for helicopter supported exploration camps.

### 1.2 CLIMATE, TOPOGRAPHY & VEGETATION

The climate in the vicinity of the Scud property is typical of the Coast Range Mountains. Temperatures are moderate due to the proximity of the Pacific ocean and range from a minimum of -25 degrees Celsius in the winter time to a maximum of 25 degrees in the summer. Precipitation is heavy (300 centimetres annually) with most of it falling as snow at the higher elevations and rain or wet snow at the lower elevations. The exploration season lasts from June to early October.

The topography of the property is rugged and steep with precipitous slopes leading away from the Scud River at an elevation of 210 metres, to high mountain peaks, topping out at an elevation of 1,675 metres on the property.

Vegetation below 900 metres consists of mature stands of spruce, hemlock and fir with a thick undergrowth of alder, devils club and blueberry. Above 900 metres, the forest gives way to sub-alpine spruce, heather, blueberries and alpine flowers. Sparse vegetation occurs above 1,200 metres.

### 1.3 CLAIM STATUS

The Scud property is located within the Liard Mining Division and staked under the provisions of the British Columbian Mineral Tenure Act. The claims cover approximately 750 hectares and are listed in table 1 below.

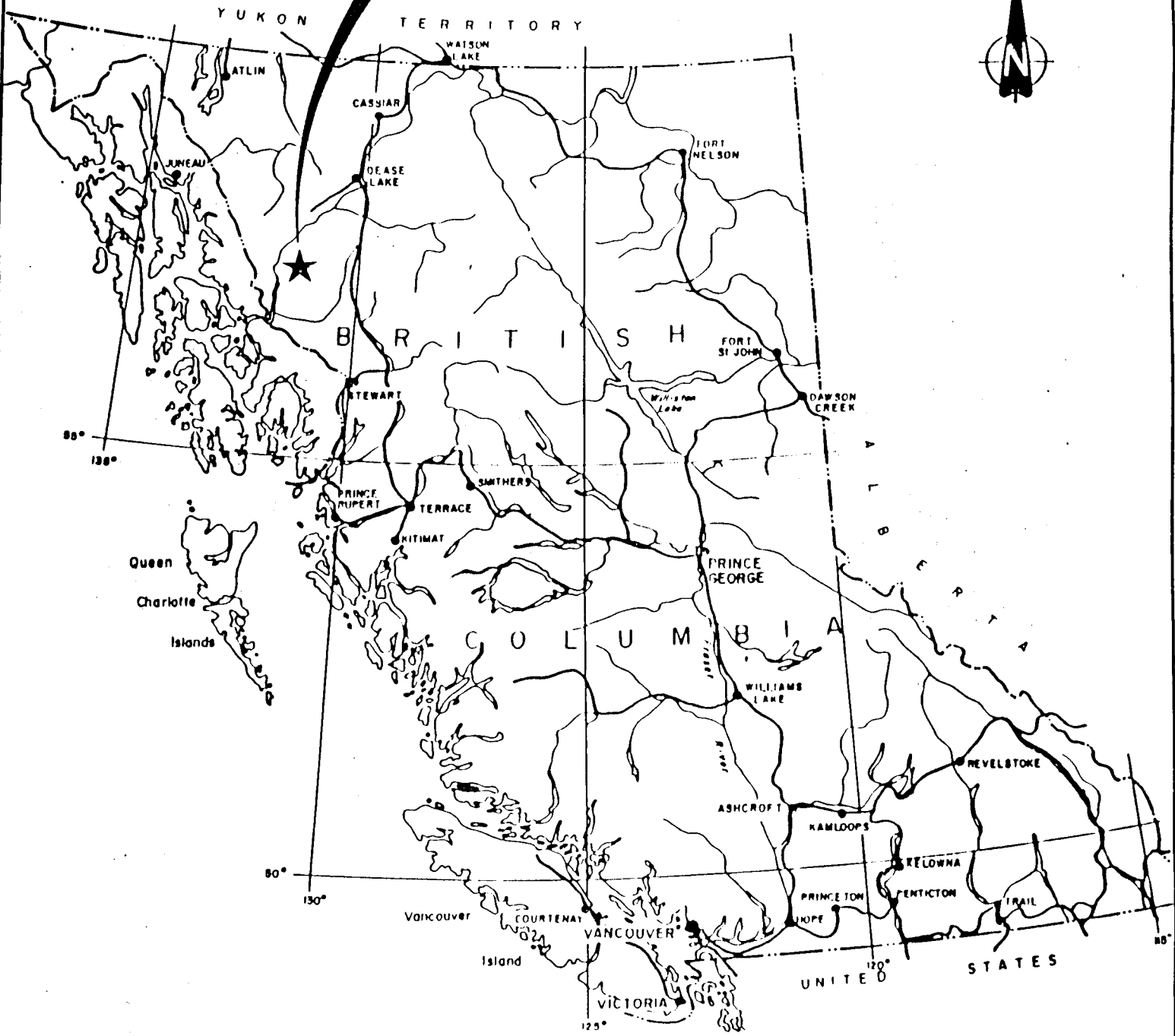
TABLE 1: - CLAIM STATUS

| Claim Name | Record Number | Recording Date | Renewal Period | Total Units |
|------------|---------------|----------------|----------------|-------------|
| RB 3       | 5630          | 12-JAN-89      | 12-JAN-91*     | 18          |
| RB 4       | 5631          | 12-JAN-89      | 12-JAN-91*     | 18          |
| RB 11      | 5638          | 13-JAN-89      | 13-JAN-91*     | 12          |

\* pending acceptance of this report.

The claims are owned by Schellex Gold Corporation and are under

**PROPERTY LOCATION**

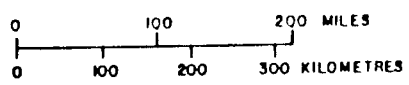


**SLOCAN DEVELOPMENTS LTD.**

**SCUD PROPERTY  
PROPERTY LOCATION MAP**

LIARD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD. / QUEST CANADA RESOURCES LTD.



|                   |                          |                         |              |
|-------------------|--------------------------|-------------------------|--------------|
| DRAWN BY:<br>B.K. | SHEETS:<br>10-16/3,4,5,6 | DATE:<br>FEBRUARY, 1991 | FIGURE:<br>1 |
|-------------------|--------------------------|-------------------------|--------------|

option to Slocan Developments Ltd. of Vancouver, B.C.

#### 1.4 REGIONAL EXPLORATION HISTORY

The first recorded mineral exploration in the area was undertaken in 1861 when placer gold was discovered on the Stikine River just downstream of the Telegraph Creek town site.

Exploration emphasis changed to the search for lode deposits during the 1920's, 30's and 40's. Exploration was confined to accessible areas along the Stikine River, with a number of small copper occurrences being discovered.

The first major exploration efforts occurred in the 1950's when Hudson Bay and Kenicott Copper were looking for large tonnage, porphyry copper deposits. This led to the discovery of the Galore Creek (137 MT grading 1.02% Cu, 0.014 OPT Au), Copper Canyon (27 MT grading 1.02% Cu, 0.02 OPT Au) and Shaft Creek (363 MT grading 0.40% Cu and 0.010 OPT Au) deposits.

Exploration since then has yielded more results including the Paydirt (0.2 MT grading 0.12 OPT Au), the Jack Wilson and Trophy deposits.

The Galore Creek Camp is currently undergoing a resurgence of exploration activity as mining companies look further north within the same "Stikine Arch" that has produced the successful Stewart and Iskut Gold Camps. Major exploration programs in the area for 1990 include drilling programs on the Galore Creek, Jack Wilson, Copper Canyon and Trophy prospects.

#### 1.5 PROPERTY EXPLORATION HISTORY

During the summer of 1988 the B.C. Geological Survey Branch conducted a regional stream sediment geochemistry survey in the area. Three creeks were sampled that drain the property. One sample was anomalous (>95th percentile) in silver, zinc, barium, nickel, molybdenum, antimony and tin and weakly anomalous (>75th percentile) in copper, arsenic, cobalt and mercury. A second sample was anomalous in gold, silver, copper and lead and weakly anomalous in zinc, barium, molybdenum, tin and mercury. The third sample was weakly anomalous in nickel and tin.

During September of 1989, two man-days were spent prospecting on the claims by Coast Mountain Geological Ltd. personnel. During this time, 22 rock samples were collected. One rock sample contained significant zinc (1,383 ppm) and copper (429 ppm).

#### 1.6 1990 WORK PROGRAM

Phase 1 exploration consisted of stream sediment silt sampling and prospecting followed by further prospecting and contour soil



SCUD  
PROPERTY

RB11

RB4  
RB3

SCALE 1:50,000



SLOCAN DEVELOPMENTS LTD.

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SCUD PROPERTY  
CLAIM MAP

LAND FIRING DIVISION

---

COAST MOUNTAIN GEOLOGICAL LTD. / QUEST CANADA RESOURCES LTD.

|                   |                        |                        |             |
|-------------------|------------------------|------------------------|-------------|
| DRAWN BY:<br>B.E. | THIS<br>10-4-73, 4,5,6 | DATE<br>FEBRUARY, 1991 | FIGURE<br>2 |
|-------------------|------------------------|------------------------|-------------|



sampling. Phase 2 consisted of prospecting of anomalous soil geochemistry, followed by limited hand trenching and geological mapping of mineralized showings. Some grid soil sampling was started during phase 3. A total of 25 man days were spent on the claims. During this time 304 soil samples, 15 stream sediment silt samples and 49 rock samples were collected.

The 1990 work program was conducted by the following Quest Canada Exploration Ltd. and Coast Mountain Geological Ltd. personnel:

|                            |                    |
|----------------------------|--------------------|
| Andrew Wilkins B.Sc. ....  | Project Geologist  |
| William Kushner B.Sc. .... | Geologist          |
| David Ridley .....         | Prospector         |
| Catherine Ridley .....     | Prospector         |
| Jake Herrero .....         | Prospector/Sampler |
| John Roberts .....         | Sampler            |
| Fleming Thrane .....       | Sampler            |

## 2. GEOLOGY

### 2.1 REGIONAL GEOLOGY

The Regional Geology is presented in Figure 3 (Logan, Koyanagi and Rhys, 1989, and Brown and Gunning, 1989).

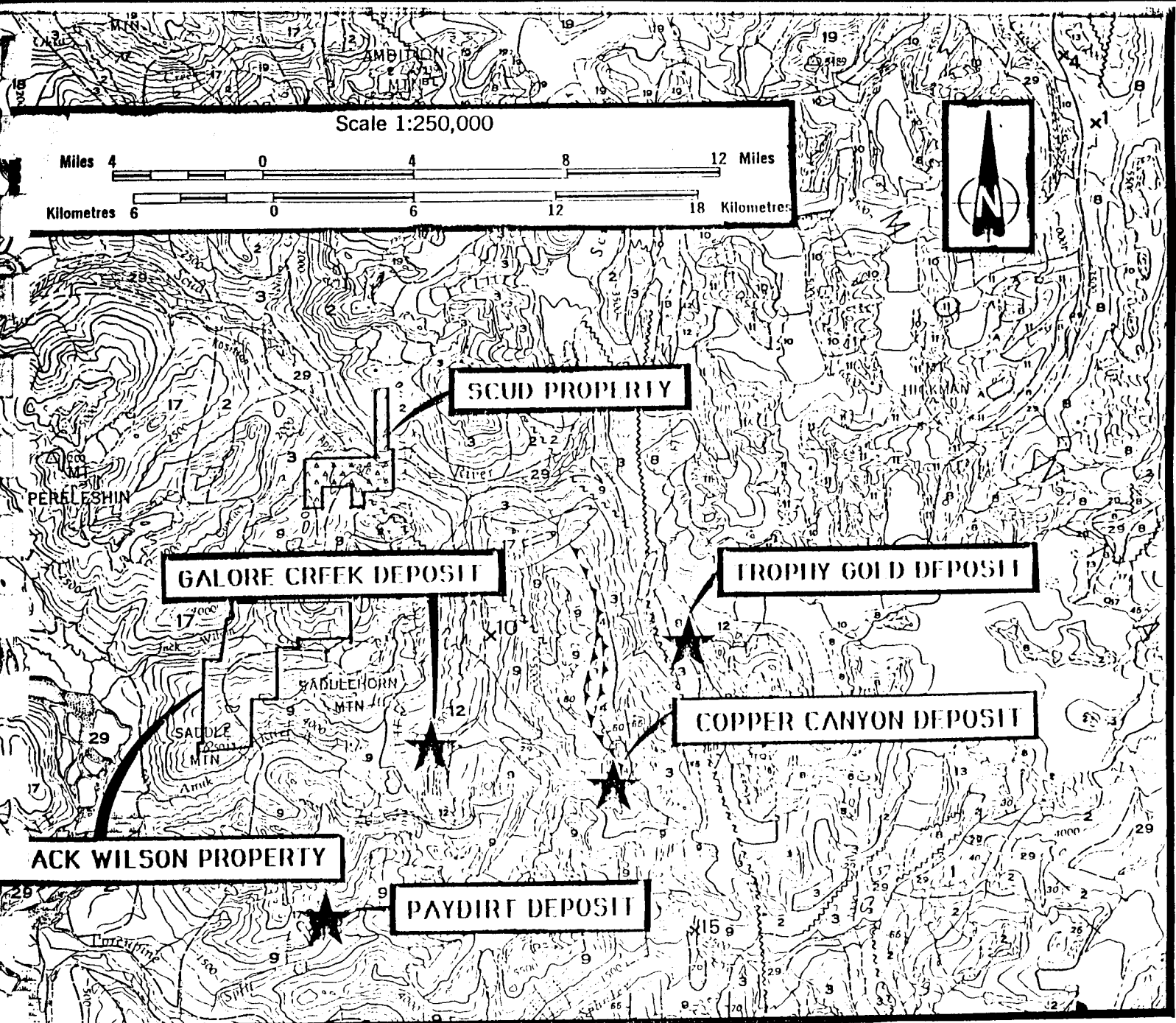
The Galore Creek Mining Camp lies on the western margin of the Intermontane Belt within the Stikine Arch in contact with the Coast Plutonic Complex. The Stikine Arch is a northeasterly trending belt of metamorphic rocks that formed a positive tectonic element throughout the Mesozoic (Souther and Armstrong, 1966). Sediments derived from rocks of the Stikine Arch were shed north and northeast in to the southern extension of the Whitehorse Trough during the Upper Triassic and Lower Jurassic.

The oldest rocks consist of highly deformed Permian and older metamorphic rocks and Permian crystalline limestones belonging to the Stikine Assemblage, and a thin succession of Middle Triassic siltstones. These are in fault contact or unconformably overlain by the Upper Triassic Stuhini Group consisting of augite andesite and andesitic breccias, agglomerates, flows and tuff interspersed with locally derived sandstones and siltstones. These have been intruded by Upper Triassic to Lower Jurassic syenite stocks and dykes, quartz diorite and granodiorite stocks and plutons, belonging to or related to the Hickman Batholith, as well as Jurassic to Tertiary quartz monzonite, granodiorite, and quartz diorite belonging to the Coast Plutonic Complex to the west.

### 2.2 PROPERTY GEOLOGY

The property geology is presented in Figure 4 in the back of the report.

The Scud property is underlain by an extremely thick (>1,000



- TRIASSIC**
- UPPER TRIASSIC**
- 9 Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)
  - 8 Andite-andesite flows, pyroclastic rocks, derived volcanoclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate
  - 7 Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomitic siltstone, greywacke, volcanic conglomerate, and minor limestone
  - 6 Limestone, fossil argillaceous limestone, calcareous shale and reefoid limestone; may be in part younger than some 7 and 8
  - 5 Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone
- MIDDLE TRIASSIC**
- 4 Shale, concretionary black shale; minor calcareous shale and siltstone
- PERMIAN**
- MIDDLE AND UPPER PERMIAN**
- 3 Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff
- PERMIAN AND OLDER**
- 2 Phyllite, argillaceous quartzite, quartz-schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone
- MISSISSIPPIAN**
- 1 Limestone, ornoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite

- After Brown & Gunning, 1988

**SLOCAN DEVELOPMENTS LTD.**

**SCUD PROPERTY  
REGIONAL GEOLOGY MAP**

LIAPD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD. / QUEST CANADA RESOURCES LTD.

|                   |                          |                         |              |
|-------------------|--------------------------|-------------------------|--------------|
| DRAWN BY:<br>B.E. | NTS:<br>10-10/3, 4, 5, 6 | DATE:<br>FEBRUARY, 1991 | FIGURE:<br>3 |
|-------------------|--------------------------|-------------------------|--------------|

metres) succession of Permian limestone belonging to the Stikine Assemblage. The limestone can be broken down into two units on the property.

The first unit is composed of predominately massive light grey to buff limestone and outcrops throughout the upper elevations of the property.

The second unit consists of dark grey micritic limestone, interbedded, weakly gossanous argillite and thinly bedded grey bioclastic limestone. This unit outcrops in the lower portions of the property.

Close to the Scud River, the limestones have been intruded by dykes of predominately granodioritic composition. The intrusions are light grey, medium grained and equalgranular.

Surrounding the dykes, the limestones have been recrystallized to massive, white, coarsely crystalline marble.

**TABLE 2: - TABLE OF FORMATIONS**

**QUATERNARY  
PLEISTOCENE AND RECENT**

Q..... Glacial drift and alluvium.

**Unconformity**

**JURASSIC TO CRETACEOUS  
COAST PLUTONIC COMPLEX**

JTgd .... Granodiorite.

**Intrusive contact**

**PERMIAN**

Plm1 .... Massive limestone.

Plm2 .... Micritic limestone, bioclastic limestone, minor argillite.

Parg .... Argillite, weakly gossanous.

**3. GEOCHEMISTRY**

**3.1 INTRODUCTION**

Stream sediment silt samples were collected from most creeks on the property. Soil samples were collected at 25 or 50 meter intervals on contour lines and grid lines on the south portion of the

property. Rock samples were collected from interesting lithologies, alteration and mineralized showings. A total of 15 silt samples, 304 soil samples and 49 rock samples were collected.

Geochemical analysis are presented in Appendix 2.

### 3.2 SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

Soil and silt samples were collected in KRAFT gusseted paper bags and sent to ACME ANALYTICAL LABS of Vancouver B.C. At ACME, samples were oven dried at approximately 60 degrees Celsius and sieved to minus 80 mesh. Rock samples were collected in plastic bags and also sent to ACME. Samples were then crushed down to 3/16 of an inch, and then a 1/2 pound of the sample is pulverized to minus 100 mesh. A 0.5 gram sample of the minus 80 fraction of all samples was digested in hot, dilute aqua regia in a boiling water bath and then diluted to 10 millilitres. with distilled water. Samples were analyzed for a group of 30 elements using the Induced Coupled Plasma (ICP) technique. Gold was analyzed from a 10 gram fraction by the conventional Atomic Absorption (AA) technique. In addition, 18 rock samples were assayed for copper, lead, zinc, silver or gold by conventional assay techniques.

### 3.3 MINERALIZATION & ROCK GEOCHEMISTRY

Rock sample descriptions are presented in Appendix 1.

One major mineralized showing was found on the property. This showing was found during follow up of some strong soil geochemistry. The showing is referred to as the "Twilight Zone" and consists of laminated and shear hosted weathered sulphides along the contact between massive light grey limestone and limy phyllite. Pervasive chlorite-epidote alteration occurs along the contact and is associated with mineralization. Sulphides include pyrite, chalcopyrite, sphalerite, galena, azurite, malachite and wad. The zone is up to at least 5 metres wide and occurs within the nose of an anticline. It is believed to represent a replacement skarn type deposit. Mineralized solutions are believed to of travelled up through shears in the host rock and precipitated out when they hit the limestone - phyllite interface.

The showing was discovered at the end of the work program and as such has had only limited exploration, however early indications suggest a fairly extensive zone with mineralization traceable for 500 metres. Sulphides are quite weathered on surface, thus rock samples might not be that representative of mineralization below the surface. Assays of up to 1.474 grams per tonne (0.043 ounces per ton) gold, 137.49 grams per tonne (4.01 ounces per ton) silver, 11.08% copper, 9.45% lead and 2.82% zinc have been returned from the showing. Assays are summarized in table 3 below. The geology of the Twilight Zone is presented in Figure 5 in the back of the report.

TABLE 3: - ASSAYS FROM THE TWILIGHT ZONE

| Sample #    | Sample Width | gold gm/t | silver gm/t | copper % | lead % | zinc |
|-------------|--------------|-----------|-------------|----------|--------|------|
| 90G-14T1-K2 |              | 0.754     | 5.83        | 2.34     |        |      |
| 90G-14-K05  |              |           | 6.86        | 0.24     |        | 1.16 |
| 90C-14-K13  | 1.0m         | 0.548     | 5.83        | 1.65     |        |      |
| 90C-14-K22  | 1.0m         | 0.171     | 20.23       | 1.40     |        |      |
| 90C-14-K23  | 1.0m         | 0.206     | 11.66       | 1.17     |        |      |
| 90C-14-K25  | 1.0m         | 0.823     | 75.09       | 1.48     |        |      |
| 90C-14-K26  | 1.0m         | 0.274     | 5.14        | 2.30     |        |      |
| 90F-14-R109 |              | 0.823     | 137.49      | 0.52     | 9.45   | 2.82 |
| 90F-14-R110 |              | 1.474     | 19.54       | 2.28     |        |      |
| 90F-14-R111 |              | 1.200     | 36.00       | 0.34     |        |      |
| 90G-14-R114 |              | 1.200     | 7.20        | 1.29     |        |      |
| 90G-14-R117 |              | 1.029     | 17.83       | 2.52     |        |      |
| 90G-14-R118 |              | 0.411     | 45.26       | 0.82     |        |      |
| 90G-14-R119 |              | 0.206     | 19.54       | 1.17     |        |      |
| 90G-14-W07  |              | 0.103     | 10.29       | 11.08    |        |      |
| 90G-14-W08  |              | 0.926     | 25.37       | 4.09     |        |      |
| 90C-14-W09  | 0.8m         | 0.446     | 7.89        | 2.02     |        |      |
| 90C-14-W10  | 0.8m         | 1.303     |             | 0.47     |        |      |

### 3.4 STREAM SEDIMENT GEOCHEMISTRY

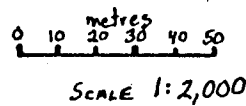
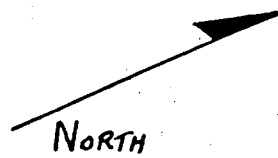
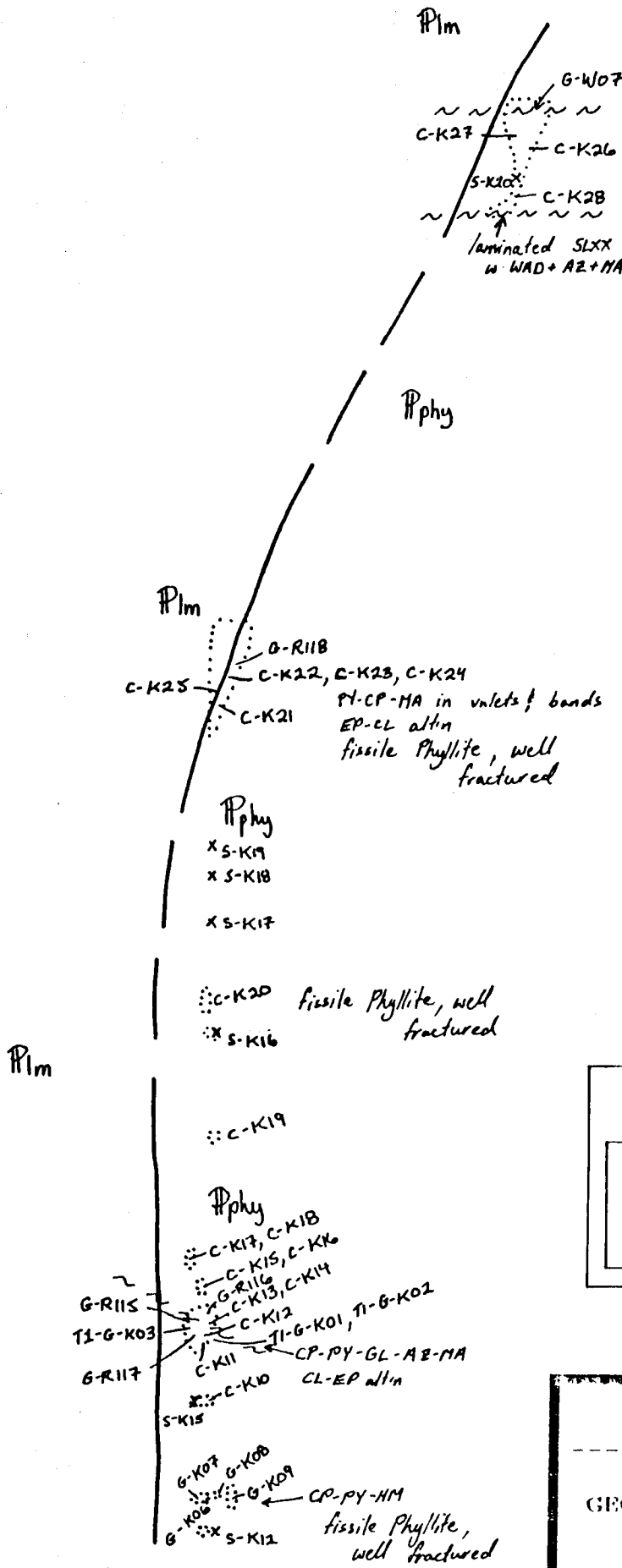
Stream sediment geochemistry results were compared with the results from the Regional Geochemistry Survey conducted in 1987 by the British Columbia Geological Survey. Samples greater than the 95th percentile were considered anomalous.

TABLE 4: - 95TH PERCENTILES FOR STREAM SEDIMENT SAMPLES

| Cu ppm | Pb ppm | Zn ppm | Ag ppm | Au ppb      | Mo ppm | Ni ppm | Co ppm | Sb ppm |
|--------|--------|--------|--------|-------------|--------|--------|--------|--------|
| >125   | >27    | >152   | >0.5   | >72<br>>15* | >6     | >92    | >25    | >5     |

\* 75th percentile for Au.

Six samples, all taken in the southeastern portion of the claims, were anomalous in lead and zinc. One of these samples was also anomalous in copper. One of the remaining samples was anomalous in nickel and another was anomalous in antimony.



SCUD PROPERTY



Twilight Zone

SLOCAN DEVELOPMENTS LTD.

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SCUD PROPERTY  
GEOLOGY AND SAMPLE LOCATIONS  
OF THE  
TWILIGHT ZONE

---

SCALE: 1:2,000      FIGURE: 4  
DATE: JAN/91

### 3.5 SOIL GEOCHEMISTRY

#### 3.5.1 TREATMENT AND PRESENTATION OF RESULTS

The construction of histograms, probability plots and the calculation of means, medians and standard deviations were performed using the Association of Exploration Geochemists PROBLOT program (Stanley, 1987).

The PROBLOT program is an interactive software tool which allows a user to rapidly analyze cumulative frequency data. The program is capable of representing numerous forms of frequency distributions consisting of combinations of normal or log-normal populations. An appropriate frequency distribution model can be used to separate the multi-modal data distribution into its component populations. These, in turn, can be used to define thresholds which separate the data into groups corresponding to these component populations.

TABLE 5: - STATISTICAL SUMMARY OF ANOMALIES

| Mean (x)<br>lognormal* | Threshold<br>x+2s | Anomalous<br>x+3s | Strongly<br>Anomalous<br>x+4s |
|------------------------|-------------------|-------------------|-------------------------------|
| Au* 7 ppb              | 123-525           | 526-2256          | ≥ 2257                        |
| Ag* 0.2 ppm            | 0.7-1.4           | 1.5-2.8           | ≥ 2.9                         |
| Mo* 2 ppm              | 9-21              | 22-47             | ≥ 48                          |
| Cu* 26 ppm             | 375-1414          | 1415-5337         | ≥ 5338                        |
| Pb* 13 ppm             | 44-82             | 83-153            | ≥ 154                         |
| Zn* 82 ppm             | 328-658           | 659-1320          | ≥ 1321                        |

The data was treated as two populations except for gold, which was treated as one population. Gold, silver, copper, lead, zinc, and molybdenum were all found to approximate a log-normal distribution. Threshold values and anomalous values were determined at the mean plus two standard deviations (x+2s) and the mean plus three standard deviations (x+3s) respectively. Anomalous sample divisions are summarized in Table 5 and summary statistics and histograms are presented in Appendix 3.

#### 3.5.2 SOIL GEOCHEMISTRY RESULTS

Soil geochemistry results are plotted in Figures 6 to 11.

The thresholds for anomalous gold, copper, lead and zinc are very high for the Scud River and Galore Creek area making the anomalies fairly significant. Two major anomalies exist on the property.

The first anomaly is associated with the "Twilight Zone". It is a

multi-element anomaly that extends for 1100 metres in a west-northwest direction and contains values of up to 1,390 ppb gold, 89.2 ppm silver, 9,733 ppm copper, 22,806 ppm lead, 7,255 ppm zinc, 351 ppm molybdenum and 42.6 ppm cadmium.

The second anomaly occurs in the eastern portion of the claims along the south side of the Scud River and is a silver anomaly 600 metres long. No mineralization has been found associated with this anomaly, however granodioritic dyking occurs in the area. Skarn type showings are found to the east of the claims and are associated with similar dyking.

#### 4. CONCLUSIONS AND RECOMMENDATIONS

Exploration on the Scud Property consisted of prospecting, silt sampling, contour soil sampling, grid soil sampling, hand trenching and geological mapping.

The property is underlain by the Permian Stikine Assemblage consisting of limestone, argillite and phyllite. The Stikine Assemblage has been intruded by minor granodioritic dykes.

The Twilight zone was discovered at the end of the work program. It consists of laminated and shear hosted sulphides that occur along the contact between massive limestone and phyllite. The zone is at least 5 metres wide and traceable for 500 metres. Assays of up to 1.474 grams per tonne (0.043 ounces per ton) gold, 137.49 grams per tonne (4.01 ounces per ton) silver, 11.08% copper, 9.45% lead and 2.82% zinc have been returned from the showing.

Soil geochemistry has delineated two soil anomalies. The strongest and most extensive anomaly is associated with the Twilight Zone. It is a multi-element anomaly that extends for 1100 metres and contains values of up to 1,390 ppb gold, 89.2 ppm silver, 9,733 ppm copper, 22,806 ppm lead, 7,255 ppm zinc, 351 ppm molybdenum and 42.6 ppm cadmium. The second anomaly occurs on the south side of the Scud River and is a silver anomaly 600 metres long. No mineralization has been found associated with this anomaly, however granodioritic dyking occurs in the area.

Further exploration should be focused primarily on the Twilight Zone.

Recommendations are as follows:

1) - production of a 1:5,000 scale orthophoto for the southern half of the property.

2) - a cut grid over the Twilight Zone. The base line should be oriented east-west with cross lines running north-south. Line 103N on the present grid would be a good location for the base line.



- 3) - soil geochemistry over the grid.
- 4) - Genie EM geophysics over the grid.
- 5) - geological mapping over the grid.
- 6) - Kaboda trenching and rock geochemistry of subsequent geological, geophysical and geochemical targets.
- 7) - diamond drilling of subsequent targets.
- 8) - follow up prospecting of the south bank of the Scud River in the vicinity of the silver geochemistry anomaly.

PROPOSED BUDGET

|   |  |    |           |
|---|--|----|-----------|
| - | Mob/Demob  | \$ | 6000.00   |
| - | Project Prep   | \$ | 1500.00   |
| - | Orthophoto   | \$ | 4000.00   |
| - | Griding/Sampling   | \$ | 10,000.00 |
| - | Mapping/Sampling   |    |           |
|   | Geologist 15 days @ \$370/day                            | \$ | 5550.00   |
|   | Assistant 15 days @ \$280/day                            | \$ | 4200.00   |
| - | Geophysics   |    |           |
|   | Operator 7 days @ \$285/day                              | \$ | 1995.00   |
|   | Assistant 7 days @ \$230/day                             | \$ | 1610.00   |
| - | Misc. Personnel  | \$ | 1500.00   |
| - | Trenching  |    |           |
|   | Kubota Excavator 15 days @ \$750/day<br>(plus mob/demob) | \$ | 12,250.00 |
| - | Camp Costs   |    |           |
|   | 65 days @ \$140/day                                      | \$ | 9100.00   |
| - | Helicopter   |    |           |
|   | 25 hours @ \$700/hr                                      | \$ | 17,500.00 |
| - | Assays   | \$ | 6500.00   |
| - | Freight  | \$ | 1500.00   |

|                                  |               |
|----------------------------------|---------------|
| - Expediting                     | \$ 1500.00    |
| - Misc Supplies/Equipment/Rental | \$ 3500.00    |
| - Report/Drafting/Reproduction   | \$ 5000.00    |
|                                  | <hr/>         |
| Subtotal                         | \$ 93,205.00  |
| 15% Management Fee               | \$ 13,980.75  |
|                                  | <hr/>         |
| Total                            | \$ 107,185.75 |

5. REFERENCES

- Allen, D.G., Panteleyev, A. and Armstrong, A.T., 1976: Galore Creek, Canadian Institute of Mining, Special Volume #15, pp. 402-414..
- Brown, D.A. and Gunning, M.H., 1988: Geology of the Scud River Area, Northwestern British Columbia (104G/5&6), British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Fieldwork 1988, Paper 1989-1, pp. 251-267.
- Brown, D.A. and Gunning, M.H., 1988: Geology of the Scud River Area, Northwestern B.C.(104G/5&6), British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch Open File 1989-7.
- Logan, J.M. and Koyanagi, V.M., 1989: Geology and Mineral Deposits of the Galore Creek Area, Northwestern B.C. (104G/3&4), British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Fieldwork 1988, Paper 1989-1, pp. 269-284.
- Logan, J.M. and Koyanagi, V.M., 1989: Geology and Mineral Occurrences of the Galore Creek Area (104G/3&4), British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch Open File 1989-8.
- Panteleyev, A., 1976: Galore Creek Map Area, British Columbia, British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Fieldwork 1975, Paper 1976-1, pp.79-81.
- Souther, J.G., 1971: Telegraph Creek Map Area, British Columbia, Geological Survey of Canada, Paper 71-44.
- Stanley, C.R., 1987: Probplot, An Interactive Computer Program to Fit Mixtures of Normal (or Log-Normal) Distributions with Maximum Likelihood Optimization Procedures, Version 1.00 H0, Association of Exploration Geochemists, Special Volume #14.

**6. STATEMENT OF EXPENDITURES**

|  |  |                           |
|--|--|---------------------------|
| <b>Salaries:</b>                       |  |                           |
| Project Geologist:                     |  |                           |
| 13.25 man days @ \$370 per day         |  | \$4,902.50                |
| Geologists:                            |  |                           |
| 5.5 man days @ \$285 per day           |  | \$1,567.50                |
| Prospector                             |  |                           |
| 2.55 man days @ \$265 per day          |  | \$ 675.75                 |
| Prospector/Samplers:                   |  |                           |
| 16.75 man days @ \$255 per day         |  | \$4,271.25                |
| Samplers:                              |  |                           |
| 2.8 man days @ \$230 per day           |  | \$ 644.00                 |
| <b>Helicopter:</b>                     |  |                           |
| 6.1 hours @ \$700 per hour             |  | \$4,270.00                |
| <b>Geochemical Analysis:</b>           |  |                           |
| Rock Samples:                          |  |                           |
| 56 samples @ \$10.15 per sample        |  | \$ 568.40                 |
| Silt and Soil Samples:                 |  |                           |
| 339 samples @ \$8.20 per sample        |  | \$2,779.80                |
| Freight                                |  |                           |
| 622 lbs @ \$1.54 per lbs.              |  | \$ 957.88                 |
| <b>Room and Board in Scud Camp:</b>    |  |                           |
| 37.85 man days @ \$155 per day         |  | \$5,866.75                |
| Pilot: (30% pro rata), 15 days         |  | \$ 607.50                 |
| <b>Miscellaneous:</b>                  |  |                           |
| Radios                                 |  |                           |
| 18 days @ \$3 per day                  |  | \$ 54.00                  |
| Consumables                            |  | \$ 465.50                 |
| Expediting (pro rata)                  |  | \$ 75.00                  |
| Rock Cutting                           |  |                           |
| 2 @ \$10 per rock                      |  | \$ 20.00                  |
| Project Preparation                    |  | \$1,625.23                |
| Other                                  |  | \$ 8.25                   |
| <b>Mob-Demob:</b>                      |  | \$5,500.00                |
| <b>Management Fees: (15%)</b>          |  | \$5,228.90                |
| <b>Total Geological Costs:</b>         |  | <b>\$40,088.21</b>        |
| <b>Salaries:</b>                       |  |                           |
| Project Geologist:                     |  |                           |
| 8 days @ \$370 per day                 |  | \$2,960.00                |
| <b>Drafting Costs:</b>                 |  | \$ 400.00                 |
| <b>Miscellaneous Costs:</b>            |  | \$ 400.00                 |
| <b>Management Fees: (15%)</b>          |  | \$ 564.00                 |
| <b>Total Report Costs:</b>             |  | <b>\$4,324.00</b>         |
| <b><u>TOTAL EXPLORATION COSTS:</u></b> |  | <b><u>\$44,412.21</u></b> |

7. STATEMENT OF QUALIFICATIONS

I, Andrew L. Wilkins, of P.O. Box 629, Pemberton, B.C., certify that:

- 1) I am a graduate of the University of British Columbia with a B.Sc. degree in the geological sciences (1981).
- 2) I have been engaged in the mining exploration industry in British Columbia and the Yukon since 1978.
- 3) I was the project geologist on the Scud project.
- 4) I was involved with the work performed on the RB 3, 4 and 11 Claims during the summer of 1990 and am author of this report.

Dated this fifteenth day of January, 1991.

  
Andrew L. Wilkins B.Sc.

APPENDIX 1  
ROCK SAMPLE DESCRIPTIONS

**ROCK SAMPLE SHEET**

Sampler BK  
Date \_\_\_\_\_

Property SEUD (14)

NTS \_\_\_\_\_

| SAMPLE NO.    | Sample Width    | DESCRIPTION                    |                       |  | ADDITIONAL OBSERVATIONS   | ASSAYS |     |       |      |       |
|---------------|-----------------|--------------------------------|-----------------------|--|---|--------|-----|-------|------|-------|
|               |                 | Rock Type                      | Alteration            | Mineralization                                   |   | Au     | Ag  | Cu    | Pb   | Zn    |
| 90G-14-T1-K01 |                 | 1st                            | mod-extn. lim         | Mal, tr. Az, 10% py, 1-3% cpy, 1% sph, tr. B     | shaley texture<br>Tr. Magnetite.  | 44     | 1.8 | 1491  | 2196 | 2398  |
| T1-K02        |                 | qtz                            | lim                   | 10% cpy, 10% py<br>tr-1% B                       | 7cm silicious pod in 1st  | 940    | 5.1 | 2020  | 32   | 134   |
| 90G-14-K03    |                 | 1st                            | lim, sil              | 10-15% py, 5-10% cpy,<br>Mal, Az, pyr            | 25% sulphides in total.   | 115    | 1.3 | 4785  | 19   | 89    |
| G-14-K01      | .5m             | Int. Volc                      | bleached,<br>lim, chl | 10% py,  | py v.f.g, diss thrt. 15-20m thick unit.   | 9      | .3  | 93    | 91   | 1072  |
| 90G-14-K05    |                 | Phyllite/<br>silice            | Ext. lim              | No mal left - appears<br>to have been mss < sub. |   | 67     | 4.1 | 1085  | 128  | 10133 |
| 90G-14-K06    |                 | shaley<br>phyllite/silice      | lim, shaley           | tr. spec. Hem                                    |   | 61     | 3.8 | 4978  | 860  | 2102  |
| G-K07         |                 | 1st                            | sil.                  | 3% py, 1% cpy,<br>Mal & Hem stains               |   | 90     | 4.2 | 4323  | 2613 | 7904  |
| G-K08         |                 | Extremely<br>shaley<br>silice. | chl                   | N. py & cpy                                      |   | 45     | .3  | 1414  | 16   | 285   |
| C-K09         | 1m              | 1st                            | Sil, lim              | 1-3% cpy, 3% py,<br>5% spec. Hem Mal             |   | 438    | 3.5 | 1653  | 33   | 199   |
| C-K10         | .7m             | phyllite/<br>shaley quartz     | chl alt               | 1% py, 1% cpy.<br>ext hem stains.                |   | 5      | .3  | 524   | 4    | 36    |
| C-K11         | 1m <sup>2</sup> | 1st                            | mod-extn. lim         | 5-7% cpy, 5-7% py<br>tr-1% B.                    | 1m panel sample   | 410    | 2.7 | 7330  | 39   | 256   |
| C-K12         | 1m <sup>2</sup> | 1st/mbd                        | chl alt<br>ext lim    | 3% cpy, 5-7% py<br>tr. B, tr. sph?               | Spec hem and dendritic pyromorphite,<br>arsen? tr. 1 meter panel sample                     | 95     | 2.2 | 5339  | 13   | 183   |
| C-K13         | 1m              | mbd                            | chl alt               | 5% py, 3% cpy,<br>tr. Barn, 3% sph, Amp?         | Mineralization diss thrt, and as stringers &<br>blebs                                       | 870    | 4.8 | 16000 | 10   | 233   |
| C-K14         | 1m              | 1st                            | extr. lim             | 15% py, 7-10% cpy<br>tr. Barn, Sph?              | Mal. stains, hem stains, dendr. pyr<br>Malz <sup>n</sup> has banded appearance. Skarn mnl's | 320    | 6.1 | 10862 | 3    | 106   |
| C-K15         | 1m              | 1st                            | chl?                  | 10-15% py, 1% cpy,<br>Sph? Mal stains            | Very fine grained mal - gal?  | 609    | 2.2 | 6525  | 2    | 105   |

Sampler BL  
Date \_\_\_\_\_

Property SCUD (14)

NTS \_\_\_\_\_

| SAMPLE NO.       | DESCRIPTION     |                   |                           |  | ADDITIONAL OBSERVATIONS  | ASSAYS |      |                  |     |      |
|------------------|-----------------|-------------------|---------------------------|--|--|--------|------|------------------|-----|------|
|                  | Sample Width    | Rock Type         | Alteration                | Mineralization                           |  | Au     | Ag   | Cu               | Pb  | Zn   |
| C-K16            | 1m <sup>2</sup> | lst               | Mod-extr. lim             | 10% cpy in areas<br>1-3% py              | 1m panel sample.<br>Spotty intense mal stains  | 48     | .9   | 281              | 2   | 87   |
| C-K17            | 1m              | qtz vein in lst   | Mod lim, extr sil.        | 1-3% v.f. py, tr. cpy<br>tr. sph.        | Some chalcedony.<br>Extremely fine malizat <sup>n</sup> thrt.                            | 69     | 1.7  | 230 <sup>2</sup> | 11  | 141  |
| C-K18            | 1m              | lst               | Extr. sil                 | 15% cpy, sph                             | Cpy is banded, and also in veinlets thrt.  | 228    | 2.8  | 635 <sup>8</sup> | 3   | 168  |
| C-K19            | 1m <sup>2</sup> | Argillite         | Mod. lim<br>Extr. sil.    | No vis. mal.                             | 1 meter panel<br>Character sample of Arg.  | 5      | .2   | 105              | 19  | 36   |
| C-K20            | 1m              | Argillite         | sl. lim                   | 2% py, tr-1% Cpy                         | Highly fractured   | 8      | .3   | 256              | 2   | 23   |
| C-K21            | 1m              | lst               | Extr. alt'd bleached      | 5-10% py & cpy                           | Zone between unalt'd unmined lst and extr alt'd lim/mal zone in fractured gouge/phyllite | 134    | 9.6  | 227 <sup>8</sup> | 155 | 664  |
| C-K22            | 1m              | Phyllite<br>gouge | Extr. alt'd               | 15% mal in rock                          | Crumbly and extremely alt'd. No fresh surface possible.                                  | 238    | 20.7 | 246 <sup>1</sup> | 182 | 2810 |
| C-K23            | 1m              | Phyllite<br>gouge | Extr. alt'd               | 1% mal in rock                           | As C-K22   | 218    | 11.6 | 182 <sup>9</sup> | 61  | 1480 |
| C-K24            | 1m              | Phyllite<br>gouge | Extr. alt'd               | 15% mal in rock                          | As C-K22   | 61     | 4.2  | 253 <sup>3</sup> | 50  | 570  |
| C-K25            | 1m              | lst               | Sil, Extr. lim<br>sl. lim | 10% v.f.g. diss py<br>1% cpy. Mal stains | Banded nature to rock showing straining along fracture/shear. Same zone as C-K21         | 960    | 44.1 | 1312             | 179 | 1315 |
| C-K26            | 1m              | Arg pad in lst    | sil alt'd, bleached       | Extr. Mal and Az staining                | Banded nature to rock. Rock is quite leached. Weighs almost nothing - very light         | 300    | 5.8  | 223 <sup>5</sup> | 100 | 803  |
| C-K27            | 1m              | lst               | chl.                      | 25% euh py xls<br>Some sphal?            | Skarn malizat <sup>n</sup>   | 210    | 1.3  | 319 <sup>9</sup> | 3   | 232  |
| C-K28            | 1m              | limy arg.         | Extr. lim                 | no vis malizat <sup>n</sup>              | Mix of lst/arg.  | 840    | 12.5 | 292 <sup>1</sup> | 43  | 212  |
| <del>C-K29</del> |                 |                   |                           |  |  |        |      |                  |     |      |
|                  |                 |                   |                           |  |  |        |      |                  |     |      |



**ROCK SAMPLE SHEET**

Sampler Andrew Wilkins

Date July 190

Property SCUD #14

NTS 104 G 3, 4, 5

| SAMPLE NO. | Sample Width | DESCRIPTION |            |                | ADDITIONAL OBSERVATIONS   | ASSAYS |     |      |      |     |
|------------|--------------|-------------|------------|----------------|---|--------|-----|------|------|-----|
|            |              | Rock Type   | Alteration | Mineralization |   | Cu     | Pb  | Zn   | Ag   | Au  |
| 90G-14-W3  | G            | ANDS        | PY-MS-CL   | 5-15% PY       | VPY-MS-CL altm of volcanics with 5-10% dis. blebs of PY bleached ...                                    | 91     | 34  | 2470 | .4   | 3   |
| 90F-14-W4  | F            | QZIT        |            | PR-CP-MN       | Med grey Quartzite, v. siliceous w blebs of dis PR and CP and MN staining.                              | 1013   | 24  | 59   | 2.3  | 53  |
| 90F-14-W5  | F            | VOLC?       | CL-QZ-EP   | PY-CP          | CL-QZ-EP-PY altered volcanic? Some QZ veining, slickensided shears w CL-MN staining. dis CP throughout. | 14371  | 11  | 61   | 1.7  | 34  |
| 90F-14-W6  | "            | "           | "          | "              | "   | 1467   | 2   | 65   | 1.8  | 54  |
| 90G-14-W7  | G            | SLXX        |            | MA/AE/LM       | Boxwork weathering of laminated sulphides Ext. assanous, loaded w MA/AE.                                | 19999  | 372 | 1448 | 5.3  | 67  |
| 90G-14-W8  | G            | SHEAR       | QZ-CB      | 3% CP/MA       | Calcareous brecciated shear zone, 1.5m. wide with 3% CP blebs   | 23846  | 11  | 204  | 24.5 | 680 |
| 90C-14-W9  | 75cm         | "           | "          | "              | "   | 22943  | 6   | 107  | 7.9  | 230 |
| 90C-14-W10 | 75cm         | "           | "          | "              | "   | 3167   | 3   | 24   | 2.4  | 190 |
|            |              |             |            |                |   |        |     |      |      |     |
|            |              |             |            |                |   |        |     |      |      |     |
|            |              |             |            |                |   |        |     |      |      |     |
|            |              |             |            |                |   |        |     |      |      |     |
|            |              |             |            |                |   |        |     |      |      |     |

# ROCK SAMPLE SHEET

Page 1

Sampler Dave Ridley  
Date July 17/90

Property Scud #14

NTS

| SAMPLE NO. | Sample Width | DESCRIPTION                    |                                  |   | ADDITIONAL OBSERVATIONS  | ASSAYS |       |       |      |      |
|------------|--------------|--------------------------------|----------------------------------|---|--|--------|-------|-------|------|------|
|            |              | Rock Type                      | Alteration                       | Mineralization  |  | Cu     | Pb    | Zn    | Ag   | Au   |
| 90F14R109  | F            | rusty limonitic friable grunge | limonite                         | 1% galena   | 3300': @ Z-33 soil sample ≈ 15m downslope ≈ 10cm in diameter:            | 4812   | 14925 | 16000 | 96.0 | 390  |
| 90F14R110  | F            | "                              | limonite malachite               | spots + patches of malachite                                    | 1m from R109: too weathered to discern rock-type or sulphide content.    | 26226  | 9118  | 2141  | 18.1 | 1180 |
| 90F14R111  | F            | limest.                        | limonite MnO <sub>2</sub>        | open space fillings of chalcopyrite-pyrite (up to 3% of rock)   | 3m from R110:  | 2793   | 452   | 2426  | 29.1 | 970  |
| 90F14R112  | F            | siliceous limestone            | —                                | up to 3% pyrite-minor chalcopyrite                              | 5m from R111:  | 1262   | 330   | 377   | 2.3  | 34   |
| 90G14R113  | 2.5m         | graphitic argillite            | graphite limonite                | Pyrite along fractures + occasional blobs (up to 3%)            | ≈ 75m SE of R109: 3420': narrow (>1cm) qtz stringers: 140/50SW           | 163    | 190   | 216   | .6   | 250  |
| 90G14R114  | 2m           | siliceous limestone            | clay limonite                    | up to 7% chalco in fault zone (?) py-magnetite (1-3%) malachite | above R113: 3620': magnetite forms narrow (>1cm) bands locally: 140/50SW | 11001  | 6     | 92    | 5.9  | 1240 |
| 90G14R115  | 50cm         | qtz vein in silic. limest.     | limonite malachite               | 1-3% py-cp  | 15m E of R114:   | 422    | 9     | 152   | 2.5  | 100  |
| 90G14R116  | 4m           | calcareous phyllite(?)         | highly folded in central portion | <del>1-3% py-cp</del><br>1-3% py-cp throughout                  | sample does not include 75cm wide heavy limonite grunge: on s/c R-115    | 5027   | 2     | 41    | .8   | 74   |
| 90G14R117  | 75cm         | limonitic friable grunge       | limonite malachite               | up to 15% py + 5% cp in west end                                | 75cm section above ↑: in center of fold: lensoid in appearance.          | 22211  | 126   | 342   | 17.2 | 1080 |
| 90G14R118  | 1.3m         | siliceous limestone            | limonite malachite               | 1-5% py minor chalco  | above Z 33 soil sample: 3500'  | 6173   | 39    | 623   | 43.9 | 440  |
| 90G14R119  | 3.5m         | limonitic friable grunge       | limonite malachite               | ? minor visible cp/ppy  | ≈ 7m SE of R118:   | 1252   | 420   | 1200  | 18.8 | 250  |
|            |              |                                |                                  |   |  |        |       |       |      |      |
|            |              |                                |                                  |   |  |        |       |       |      |      |
|            |              |                                |                                  |   |  |        |       |       |      |      |

C-CHIP 6-GRAB F-FLOAT

**ROCK SAMPLE SHEET**

Sampler C.J. RIDLEY  
Date July 1960

Property SCLD Prop #14

NTS \_\_\_\_\_

| SAMPLE NO.          | Sample Width | DESCRIPTION |                          |  | ADDITIONAL OBSERVATIONS  | ASSAYS |    |     |     |     |
|---------------------|--------------|-------------|--------------------------|--|--|--------|----|-----|-----|-----|
|                     |              | Rock Type   | Alteration               | Mineralization                             |  | Cu     | Pb | Zn  | Ag  | Au  |
| 17/107 { 90G-14-C33 | 1m           | chl schist  | carbon<br>chl            | <1% Pyrrh                                  | 950m elev on W. wall of CR 20<br>striking 194°/dip slightly W.                       | 500    | 3  | 120 | .4  | 46  |
| 90G-14-C34          | 1.5m         | chl schist  | chl<br>epidote<br>carbon | malachite<br>trace chalc<br><1% Py + Pyrrh | 970m elev same strike + dip as C33; ± 300-350m. E of S head in CR. 20. W. wall of CR | 500    | 25 | 132 | .8  | 56  |
| 90G-14-C35          | 2m           | chl schist  | chl<br>+ carbon          | <1% chalc<br>malachite<br><1% Py + Pyrrh   | 970m elev.; W. wall of CR. 20m S. of C34   | 200    | 22 | 106 | 3.0 | 200 |
| 19/107 90F-14-C37   | -            | Qtz Vein    | chl<br>+ carbon          | malachite<br><1% Chalc                     | 1160m elev angular, found on talus<br>end of lgc snow patch                          | 500    | 2  | 19  | .5  | 92  |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |
|                     |              |             |                          |  |  |        |    |     |     |     |

C-CHIP G-GRAB F-FLOAT

**APPENDIX 2**  
**ANALYTICAL RESULTS**

JAN 10 '91 15:41

138 P02

ANALYTICAL LABORATORIES LTD.  
52 B. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1990

DATE REPORT MAILED:

*Aug. 30/90*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3571R

| SAMPLE#      | Au**<br>oz/t |
|--------------|--------------|
| 90-C-14-K13  | .016         |
| 90-C-14-K22  | .005         |
| 90-C-14-K23  | .006         |
| 90-C-14-K25  | .024         |
| 90-C-14-K26  | .008         |
| 90G14:R118   | .012         |
| 90G14:R119   | .006         |
| 90G-14T1-K02 | .022         |

AU\*\* BY FIRE ASSAY FROM 1 A.T.  
\* SAMPLE TYPE: ROCK PULP

SIGNED BY... *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 22 1990

DATE REPORT MAILED: *Aug 28/90.*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3443R  
P.O. Box 10, 10th Fl. - 8, Vancouver BC V6C 2X6

| SAMPLE#     | AG**<br>oz/t | AU**<br>oz/t |
|-------------|--------------|--------------|
| 90C-14-W9   | .23          | .013         |
| 90F-14-R109 | 4.01         | .024         |
| 90F-14-R110 | .57          | .043         |
| 90F-14-R111 | 1.05         | .024         |
| 90G-14-R114 | .21          | .035         |
| 90G-14-R117 | .52          | .030         |
| 90G-14-W7   | .30          | .003         |
| 90G-14-W8   | .74          | .027         |

- SAMPLE TYPE: ROCK PULP AG\*\* & AU\*\* BY FIRE ASSAY FROM 1 A.T.

SIGNED BY... *C. Leung* ... D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

JAN 10 '91 15:42

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

138 P04

DATE RECEIVED: SEP 24 1990

DATE REPORT MAILED:

*Sept. 26/90*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3443R3

| SAMPLE#     | Cu % |
|-------------|------|
| 90C-14-W10  | .47  |
| 90F-14-R109 | .52  |
| 90F-14-R111 | .34  |

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP. AU - 10 GM ACID LEACHED / MIBK, ANALYSIS BY AA.
- BA - LIBO2 FUSION, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

SIGNED BY *C. Leong* ..... D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

JAN 10 '91 15:42

138 P05

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990

DATE REPORT MAILED:

*Sept 26/90*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3571R3

| SAMPLE#        | Cu % | Ag** oz/t |
|----------------|------|-----------|
| 90-C-14-K13    | -    | .17       |
| 90-C-14-K22    | -    | .59       |
| 90-C-14-K23    | -    | .34       |
| 90-14-K26      | -    | .15       |
| 90 G 14:R118   | .82  | -         |
| 90 G 14:R119   | -    | .57       |
| 90 G 14-K05    | .24  | .20       |
| 90 G-14-T1-K02 | -    | .17       |

AG\*\* BY FIRE ASSAY FROM 1 A.T.  
- SAMPLE TYPE: ROCK PULP

SIGNED BY. *C. Leong*. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



JAN 10 '91 15:43

AME ANALYTICAL LABORATORIES LTD.

138 P06  
DATE RECEIVED: AUG 23 1990

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

*Aug. 31/90*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3443R2  
P.O. Box 10, 10th Fl. - 8, Vancouver BC V6C 2X6

| SAMPLE#     | Cu %  | Pb % | Zn % | Ag** oz/t | AU** oz/t |
|-------------|-------|------|------|-----------|-----------|
| 90C-14-W9   | 2.02  | -    | -    | -         | -         |
| 90C-14-W10  | -     | -    | -    | -         | .038      |
| 90F-14-R109 | -     | 9.45 | 2.82 | 3.05      | -         |
| 90F-14-R110 | 2.28  | -    | -    | -         | .042      |
| 90F-14-R111 | -     | -    | -    | 1.01      | -         |
| 90G-14-R114 | 1.29  | -    | -    | -         | .032      |
| 90G-14-R117 | 2.52  | -    | -    | -         | .029      |
| 90G-14-W7   | 11.08 | -    | -    | -         | -         |
| 90G-14-W8   | 4.09  | -    | -    | -         | -         |

AG\*\* AND AU\*\* BY FIRE ASSAY FROM 1 A.T.  
- SAMPLE TYPE: ROCK PULP

SIGNED BY *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

JAN 10 '91 15:43

138 P07  
DATE RECEIVED: AUG 28 1990

852 B. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

*Aug 31/90.*

### ASSAY CERTIFICATE

Prime Exploration Ltd. FILE # 90-3571R2

| SAMPLE#      | Cu<br>% | Zn<br>% | Ag**<br>oz/t |
|--------------|---------|---------|--------------|
| 90-C-14-K13  | 1.65    | -       | -            |
| 90-C-14-K22  | 1.40    | -       | -            |
| 90-C-14-K23  | 1.17    | -       | -            |
| 90-C-14-K25  | 1.48    | -       | 2.19         |
| 90-C-14-K26  | 2.30    | -       | -            |
| 90G14:R118   | -       | -       | 1.32         |
| 90G14:R119   | 1.17    | -       | -            |
| 90G-14-K05   | -       | 1.16    | -            |
| 90G-14T1-K02 | 2.34    | -       | -            |

AG\*\* BY FIRE ASSAY FROM 1 A.T.  
SAMPLE TYPE: ROCK PULP

SIGNED BY... *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



|             | Mo  | Cu    | Pb  | Zn   | Ag   | Ni  | Co  | Mn    | Fe    | As  | U   | Au  | Th  | Sr  | Cd   | Sb  | Bi  | V   | Ca    | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au*  |
|-------------|-----|-------|-----|------|------|-----|-----|-------|-------|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
|             | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm | ppm   | %     | ppm | ppm | ppm | ppm | ppm | ppm  | ppm | ppm | ppm | %     | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb  |
| 90G-14-R119 | 13  | 11253 | 429 | 1909 | 18.8 | 1   | 1   | 1844  | 4.15  | 20  | 6   | 2   | 1   | 49  | 9.6  | 13  | 7   | 98  | 5.52  | .019 | 3   | 3   | .12  | 24  | .05 | 4   | .54  | .01 | .01 | 1   | 250  |
| 90G-14-W03  | 1   | 91    | 34  | 2476 | .4   | 55  | 16  | 380   | 7.49  | 7   | 5   | 2   | 3   | 122 | 44.8 | 5   | 2   | 15  | 1.43  | .057 | 22  | 15  | 1.47 | 55  | .01 | 3   | 1.92 | .01 | .19 | 1   | 3    |
| 90F-14-W04  | 8   | 4013  | 24  | 59   | 2.3  | 3   | 3   | 3139  | 8.85  | 57  | 5   | 2   | 2   | 419 | 1.9  | 2   | 2   | 110 | 15.61 | .024 | 16  | 1   | .22  | 14  | .01 | 2   | .50  | .01 | .05 | 1   | 250  |
| 90F-14-W05  | 1   | 4371  | 11  | 61   | 1.7  | 6   | 2   | 3125  | 5.59  | 11  | 5   | 2   | 4   | 96  | 1.2  | 2   | 5   | 98  | 10.29 | .051 | 16  | 4   | .61  | 195 | .13 | 2   | 1.71 | .01 | .03 | 1   | 34   |
| 90F-14-W06  | 3   | 1467  | 2   | 65   | 1.8  | 6   | 3   | 3103  | 6.48  | 22  | 5   | 2   | 4   | 109 | 1.4  | 2   | 4   | 48  | 10.90 | .034 | 10  | 5   | .42  | 81  | .06 | 2   | 1.42 | .01 | .08 | 1   | 54   |
| 90G-14-W07  | 60  | 99999 | 377 | 1448 | 5.3  | 22  | 192 | 19230 | 5.68  | 90  | 110 | 2   | 5   | 25  | 23.4 | 2   | 2   | 16  | 1.10  | .072 | 173 | 15  | .19  | 106 | .03 | 3   | 4.71 | .01 | .07 | 1   | 67   |
| 90G-14-W08  | 2   | 37846 | 11  | 204  | 24.5 | 2   | 6   | 753   | 5.67  | 5   | 5   | 2   | 3   | 237 | 4.0  | 5   | 6   | 11  | 2.30  | .057 | 7   | 2   | .05  | 42  | .01 | 2   | .23  | .02 | .07 | 1   | 680  |
| 90C-14-W09  | 14  | 22943 | 6   | 107  | 7.9  | 3   | 8   | 1338  | 9.28  | 6   | 5   | 2   | 5   | 35  | 2.2  | 2   | 11  | 201 | .51   | .077 | 13  | 2   | .21  | 44  | .05 | 2   | 1.05 | .03 | .18 | 1   | 730  |
| 90C-14-W10  | 1   | 3167  | 3   | 24   | 2.4  | 1   | 3   | 530   | 36.25 | 153 | 5   | 2   | 6   | 84  | 1.7  | 2   | 9   | 732 | .01   | .032 | 8   | 1   | .10  | 67  | .03 | 3   | .55  | .01 | .28 | 1   | 1190 |











|            | Mo  | Cu   | Pb  | Zn   | Ag   | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd   | Sb  | Bi  | V   | Ca    | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au* |
|------------|-----|------|-----|------|------|-----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
|            | ppm | ppm  | ppm | ppm  | ppm  | ppm | ppm | ppm  | %    | ppm | ppm | ppm | ppm | ppm | ppm  | ppm | ppm | ppm | %     | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb |
| 90S-14-W19 | 2   | 5    | 10  | 74   | .1   | 11  | 2   | 71   | 1.17 | 17  | 5   | 2   | 2   | 9   | .4   | 2   | 2   | 43  | .50   | .022 | 7   | 32  | .06  | 27  | .13 | 2   | .54  | .01 | .03 | 2   | 1   |
| 90S-14-W20 | 1   | 10   | 10  | 118  | .1   | 12  | 4   | 547  | 2.12 | 11  | 5   | 2   | 2   | 27  | 1.2  | 2   | 2   | 24  | 1.86  | .078 | 26  | 30  | .24  | 37  | .08 | 2   | 1.74 | .04 | .05 | 1   | 3   |
| 90S-14-W21 | 2   | 45   | 11  | 136  | .1   | 19  | 13  | 430  | 4.81 | 60  | 5   | 2   | 1   | 26  | 1.7  | 9   | 2   | 32  | 1.18  | .089 | 23  | 38  | .19  | 71  | .04 | 2   | 1.60 | .02 | .05 | 1   | 2   |
| 90S-14-W22 | 1   | 120  | 22  | 115  | .1   | 12  | 18  | 1614 | 4.71 | 110 | 5   | 2   | 2   | 29  | .9   | 13  | 2   | 26  | .98   | .043 | 24  | 18  | .23  | 337 | .01 | 2   | .97  | .01 | .07 | 1   | 24  |
| 90S-14-W23 | 1   | 30   | 8   | 116  | .1   | 74  | 12  | 520  | 2.62 | 26  | 5   | 2   | 1   | 40  | 1.4  | 2   | 2   | 47  | 3.35  | .105 | 23  | 120 | 1.26 | 44  | .03 | 6   | 1.43 | .01 | .04 | 1   | 2   |
| 90S-14-W24 | 1   | 11   | 8   | 78   | .1   | 12  | 3   | 438  | 1.93 | 12  | 10  | 2   | 3   | 27  | 1.2  | 2   | 3   | 15  | 2.12  | .038 | 28  | 17  | .33  | 41  | .11 | 6   | 1.93 | .12 | .08 | 1   | 3   |
| 90S-14-W25 | 1   | 12   | 12  | 146  | .1   | 30  | 6   | 617  | 2.38 | 14  | 5   | 2   | 1   | 35  | 1.7  | 4   | 2   | 29  | 2.87  | .081 | 30  | 40  | 1.42 | 34  | .05 | 3   | 1.57 | .02 | .05 | 1   | 3   |
| 90S-14-W26 | 1   | 10   | 21  | 80   | .1   | 21  | 4   | 312  | 1.31 | 12  | 6   | 2   | 1   | 58  | 1.6  | 2   | 2   | 18  | 9.15  | .076 | 21  | 19  | 5.09 | 19  | .03 | 5   | .69  | .01 | .04 | 1   | 1   |
| 90S-14-W27 | 1   | 7    | 15  | 136  | .1   | 15  | 3   | 379  | .96  | 6   | 8   | 2   | 2   | 62  | 2.7  | 2   | 2   | 11  | 10.51 | .074 | 16  | 16  | 5.32 | 16  | .02 | 3   | .57  | .01 | .03 | 1   | 1   |
| 90S-14-Z01 | 3   | 16   | 12  | 143  | .1   | 22  | 4   | 253  | 2.44 | 16  | 5   | 2   | 1   | 23  | 1.8  | 2   | 2   | 25  | .86   | .096 | 26  | 23  | .21  | 105 | .06 | 3   | 1.74 | .05 | .04 | 1   | 1   |
| 90S-14-Z03 | 2   | 9    | 13  | 41   | .2   | 5   | 3   | 192  | 1.69 | 8   | 5   | 2   | 1   | 7   | .2   | 2   | 2   | 21  | .03   | .061 | 6   | 7   | .06  | 45  | .02 | 2   | .46  | .01 | .03 | 1   | 1   |
| 90S-14-Z04 | 1   | 6    | 7   | 72   | .4   | 9   | 5   | 769  | 1.81 | 9   | 5   | 2   | 1   | 4   | .2   | 2   | 2   | 19  | .05   | .042 | 2   | 9   | .02  | 11  | .02 | 2   | .37  | .01 | .01 | 1   | 1   |
| 90S-14-Z05 | 1   | 17   | 9   | 116  | .2   | 27  | 7   | 1163 | 2.55 | 15  | 5   | 2   | 1   | 24  | .8   | 2   | 2   | 25  | 2.03  | .171 | 14  | 25  | .04  | 51  | .01 | 4   | .81  | .01 | .03 | 1   | 1   |
| 90S-14-Z06 | 1   | 4    | 7   | 49   | .2   | 8   | 2   | 255  | 1.13 | 5   | 5   | 2   | 1   | 3   | .2   | 2   | 2   | 18  | .12   | .032 | 3   | 10  | .02  | 9   | .03 | 2   | .28  | .03 | .02 | 2   | 3   |
| 90S-14-Z07 | 1   | 26   | 14  | 53   | .4   | 15  | 3   | 124  | 3.82 | 11  | 5   | 2   | 1   | 13  | .2   | 2   | 2   | 72  | .12   | .047 | 7   | 60  | .37  | 40  | .12 | 2   | 1.90 | .01 | .02 | 1   | 3   |
| 90S-14-Z08 | 1   | 5    | 4   | 14   | .1   | 1   | 1   | 14   | .20  | 3   | 5   | 2   | 1   | 3   | .2   | 2   | 2   | 13  | .02   | .009 | 2   | 4   | .02  | 8   | .09 | 2   | .17  | .01 | .01 | 1   | 1   |
| 90S-14-Z09 | 1   | 6    | 14  | 74   | .2   | 10  | 2   | 192  | 2.30 | 8   | 5   | 2   | 1   | 11  | .2   | 2   | 2   | 78  | .12   | .019 | 5   | 32  | .24  | 41  | .20 | 2   | 1.37 | .01 | .02 | 1   | 4   |
| 90S-14-Z10 | 3   | 5    | 13  | 65   | .1   | 23  | 2   | 148  | 2.17 | 14  | 5   | 2   | 1   | 9   | .2   | 2   | 2   | 68  | .19   | .039 | 5   | 18  | .05  | 19  | .15 | 3   | .57  | .01 | .01 | 1   | 2   |
| 90S-14-Z11 | 2   | 14   | 14  | 42   | .2   | 17  | 3   | 133  | 4.91 | 12  | 5   | 2   | 1   | 13  | .2   | 2   | 3   | 145 | .10   | .038 | 5   | 52  | .36  | 51  | .26 | 2   | 1.78 | .01 | .01 | 1   | 3   |
| 90S-14-Z12 | 1   | 14   | 15  | 50   | .2   | 16  | 3   | 137  | 4.00 | 6   | 5   | 2   | 1   | 12  | .2   | 2   | 2   | 79  | .11   | .029 | 8   | 51  | .37  | 40  | .18 | 2   | 2.15 | .01 | .02 | 1   | 3   |
| 90S-14-Z13 | 2   | 23   | 14  | 63   | .3   | 17  | 5   | 232  | 7.00 | 7   | 5   | 2   | 1   | 10  | .2   | 2   | 2   | 100 | .08   | .038 | 8   | 59  | .33  | 31  | .20 | 2   | 2.28 | .01 | .03 | 1   | 4   |
| 90S-14-Z15 | 1   | 6    | 42  | 67   | .2   | 5   | 4   | 759  | 2.54 | 41  | 5   | 2   | 1   | 3   | .3   | 2   | 2   | 38  | .16   | .046 | 5   | 10  | .01  | 14  | .05 | 3   | .44  | .01 | .01 | 1   | 5   |
| 90S-14-Z16 | 2   | 12   | 11  | 35   | .3   | 6   | 2   | 56   | 5.02 | 2   | 5   | 2   | 1   | 4   | .2   | 2   | 2   | 52  | .03   | .023 | 8   | 31  | .09  | 14  | .11 | 2   | 1.67 | .01 | .01 | 1   | 1   |
| 90S-14-Z17 | 1   | 4    | 12  | 65   | .1   | 6   | 5   | 1296 | 1.96 | 12  | 5   | 2   | 1   | 5   | .4   | 2   | 2   | 29  | .43   | .087 | 10  | 27  | .05  | 15  | .02 | 2   | 1.27 | .01 | .01 | 1   | 1   |
| 90S-14-Z18 | 1   | 3    | 14  | 39   | .1   | 2   | 1   | 272  | .71  | 6   | 5   | 2   | 1   | 5   | .2   | 2   | 2   | 15  | .26   | .023 | 4   | 8   | .01  | 13  | .06 | 2   | .45  | .01 | .01 | 2   | 1   |
| 90S-14-Z19 | 1   | 1    | 12  | 34   | .1   | 2   | 1   | 82   | .42  | 8   | 5   | 2   | 1   | 9   | .2   | 2   | 2   | 21  | .05   | .019 | 4   | 9   | .04  | 13  | .10 | 2   | .40  | .01 | .02 | 2   | 67  |
| 90S-14-Z20 | 1   | 20   | 28  | 376  | .1   | 27  | 10  | 7169 | 3.69 | 18  | 5   | 2   | 1   | 16  | 8.7  | 2   | 2   | 39  | 1.35  | .108 | 39  | 27  | .65  | 81  | .06 | 2   | 3.26 | .01 | .01 | 1   | 16  |
| 90S-14-Z21 | 1   | 96   | 12  | 80   | .2   | 71  | 14  | 710  | 3.87 | 18  | 5   | 2   | 1   | 20  | .5   | 3   | 2   | 60  | .34   | .041 | 9   | 82  | 1.20 | 44  | .17 | 3   | 2.51 | .01 | .03 | 1   | 12  |
| 90S-14-Z22 | 1   | 5    | 19  | 53   | .1   | 4   | 2   | 348  | .97  | 6   | 5   | 2   | 1   | 7   | .2   | 2   | 2   | 56  | .10   | .028 | 4   | 13  | .08  | 20  | .12 | 2   | .59  | .01 | .02 | 1   | 3   |
| 90S-14-Z23 | 1   | 15   | 23  | 129  | .3   | 16  | 5   | 845  | 3.31 | 15  | 5   | 2   | 1   | 18  | .2   | 2   | 2   | 80  | .12   | .103 | 7   | 50  | .36  | 57  | .11 | 2   | 1.66 | .01 | .04 | 1   | 4   |
| 90S-14-Z24 | 1   | 50   | 16  | 96   | .4   | 54  | 9   | 434  | 5.63 | 9   | 5   | 2   | 1   | 20  | .6   | 2   | 2   | 82  | .19   | .026 | 8   | 85  | 1.12 | 63  | .19 | 3   | 2.54 | .01 | .05 | 1   | 7   |
| 90S-14-Z25 | 2   | 26   | 16  | 60   | .3   | 23  | 4   | 223  | 5.72 | 15  | 5   | 2   | 1   | 17  | .4   | 2   | 2   | 122 | .12   | .034 | 6   | 63  | .57  | 35  | .30 | 2   | 2.27 | .01 | .03 | 1   | 4   |
| 90S-14-Z26 | 2   | 7    | 19  | 48   | .4   | 6   | 3   | 498  | 2.42 | 9   | 5   | 2   | 1   | 11  | .2   | 2   | 2   | 55  | .07   | .036 | 12  | 20  | .17  | 57  | .05 | 2   | 1.90 | .01 | .03 | 1   | 10  |
| 90S-14-Z27 | 1   | 39   | 30  | 140  | .1   | 36  | 8   | 392  | 5.84 | 19  | 5   | 2   | 2   | 17  | 1.0  | 4   | 2   | 78  | .24   | .030 | 14  | 81  | .63  | 47  | .21 | 2   | 4.28 | .01 | .03 | 1   | 44  |
| 90S-14-Z28 | 10  | 75   | 21  | 61   | .7   | 4   | 4   | 463  | 3.58 | 10  | 5   | 2   | 1   | 24  | .2   | 2   | 3   | 59  | .22   | .185 | 7   | 16  | .57  | 51  | .08 | 3   | 2.55 | .02 | .04 | 1   | 58  |
| 90S-14-Z29 | 11  | 63   | 11  | 66   | 1.8  | 4   | 5   | 431  | 4.56 | 11  | 5   | 2   | 1   | 19  | .2   | 2   | 3   | 48  | .15   | .130 | 12  | 11  | .49  | 65  | .10 | 2   | 3.22 | .01 | .04 | 1   | 57  |
| 90S-14-Z30 | 12  | 201  | 25  | 98   | .8   | 6   | 16  | 1083 | 7.45 | 32  | 5   | 2   | 1   | 19  | .2   | 2   | 3   | 51  | .18   | .180 | 8   | 12  | .68  | 36  | .13 | 2   | 2.79 | .03 | .04 | 1   | 88  |
| 90S-14-Z31 | 5   | 87   | 23  | 161  | .7   | 10  | 16  | 1360 | 6.01 | 13  | 5   | 2   | 1   | 13  | .2   | 2   | 2   | 54  | .11   | .139 | 14  | 15  | .52  | 64  | .08 | 2   | 3.24 | .02 | .06 | 1   | 53  |
| 90S-14-Z32 | 6   | 168  | 30  | 288  | .7   | 16  | 30  | 2492 | 6.70 | 28  | 5   | 2   | 1   | 12  | 1.9  | 2   | 3   | 54  | .23   | .187 | 21  | 17  | .70  | 82  | .05 | 3   | 3.52 | .03 | .06 | 1   | 30  |
| 90S-14-Z33 | 29  | 5544 | 733 | 2688 | 10.5 | 25  | 14  | 3229 | 8.10 | 98  | 5   | 2   | 1   | 24  | 10.6 | 20  | 2   | 93  | 1.09  | .165 | 39  | 10  | .61  | 220 | .03 | 5   | 1.59 | .01 | .10 | 1   | 152 |
| 90S-14-Z34 | 68  | 192  | 42  | 95   | 1.4  | 8   | 9   | 516  | 7.92 | 23  | 5   | 2   | 1   | 8   | .2   | 2   | 5   | 116 | .20   | .230 | 14  | 17  | .22  | 87  | .02 | 2   | 2.25 | .01 | .04 | 2   | 20  |

|            | Mo  | Cu   | Pb  | Zn   | Ag  | Ni  | Co  | Mn   | Fe    | As  | D   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au*  |
|------------|-----|------|-----|------|-----|-----|-----|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
|            | ppm | ppm  | ppm | ppm  | ppm | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb  |
| 90S-14-235 | 14  | 168  | 184 | 627  | 3.2 | 58  | 41  | 4779 | 8.91  | 143 | 5   | 2   | 1   | 10  | 3.8 | 3   | 2   | 41  | .19  | .257 | 32  | 27  | .51  | 87  | .04 | 2   | 4.71 | .01 | .05 | 1   | 28   |
| 90S-14-236 | 31  | 3134 | 84  | 155  | .2  | 7   | 12  | 946  | 7.99  | 22  | 5   | 2   | 1   | 21  | .2  | 8   | 2   | 84  | .37  | .106 | 23  | 17  | .41  | 173 | .02 | 3   | 2.15 | .01 | .08 | 1   | 92   |
| 90S-14-237 | 5   | 300  | 28  | 202  | .1  | 23  | 13  | 1838 | 4.43  | 33  | 5   | 2   | 1   | 14  | .8  | 2   | 2   | 35  | .22  | .084 | 20  | 29  | .54  | 59  | .03 | 4   | 1.52 | .01 | .07 | 1   | 32   |
| 90S-14-238 | 31  | 769  | 99  | 3124 | .8  | 6   | 4   | 235  | 3.43  | 10  | 5   | 2   | 1   | 67  | 1.7 | 3   | 2   | 51  | .76  | .135 | 15  | 14  | .83  | 124 | .05 | 2   | 2.27 | .02 | .12 | 2   | 28   |
| 90S-14-239 | 6   | 954  | 31  | 206  | .2  | 20  | 36  | 2927 | 3.92  | 5   | 5   | 2   | 1   | 57  | .9  | 2   | 2   | 33  | .63  | .118 | 45  | 33  | .38  | 139 | .07 | 7   | 2.89 | .06 | .06 | 1   | 12   |
| 90S-14-240 | 15  | 7441 | 15  | 223  | 1.7 | 15  | 56  | 8447 | 24.34 | 123 | 5   | 2   | 5   | 19  | 2.5 | 2   | 2   | 458 | .05  | .054 | 39  | 7   | .39  | 116 | .02 | 2   | 1.78 | .01 | .05 | 1   | 1390 |
| 90S-14-241 | 8   | 84   | 14  | 33   | .1  | 3   | 4   | 281  | 2.60  | 11  | 5   | 2   | 1   | 14  | .2  | 2   | 2   | 58  | .06  | .046 | 5   | 25  | .22  | 19  | .19 | 3   | .97  | .01 | .06 | 2   | 20   |
| 90S-14-242 | 6   | 90   | 19  | 40   | 1.6 | 3   | 2   | 113  | 1.63  | 5   | 5   | 2   | 1   | 15  | .7  | 2   | 2   | 65  | .09  | .065 | 9   | 19  | .40  | 25  | .29 | 7   | 1.27 | .03 | .09 | 1   | 18   |
| 90S-14-243 | 8   | 58   | 22  | 63   | .6  | 8   | 6   | 441  | 4.31  | 7   | 5   | 2   | 1   | 19  | .2  | 2   | 4   | 78  | .13  | .073 | 6   | 30  | .43  | 34  | .10 | 3   | 1.82 | .01 | .09 | 1   | 12   |
| 90S-14-244 | 8   | 1837 | 7   | 101  | .1  | 31  | 5   | 285  | 2.87  | 19  | 5   | 2   | 1   | 42  | .2  | 2   | 2   | 32  | .33  | .062 | 9   | 34  | .46  | 75  | .05 | 3   | 1.11 | .01 | .04 | 1   | 7    |
| 90S-14-245 | 13  | 294  | 81  | 92   | 2.9 | 5   | 9   | 914  | 4.66  | 20  | 5   | 2   | 1   | 32  | .2  | 2   | 2   | 76  | .13  | .062 | 11  | 19  | .42  | 41  | .09 | 5   | 2.21 | .02 | .08 | 1   | 20   |
| 90S-14-246 | 11  | 2370 | 73  | 196  | .1  | 22  | 13  | 1518 | 4.60  | 29  | 5   | 2   | 1   | 29  | .5  | 2   | 3   | 76  | .29  | .100 | 26  | 39  | 1.12 | 66  | .09 | 5   | 2.25 | .01 | .12 | 1   | 64   |
| 90S-14-247 | 3   | 2070 | 68  | 145  | .6  | 22  | 12  | 849  | 3.73  | 16  | 5   | 2   | 1   | 91  | 1.0 | 2   | 2   | 78  | .91  | .126 | 17  | 31  | 1.61 | 59  | .18 | 9   | 1.58 | .02 | .21 | 1   | 60   |
| 90S-14-248 | 21  | 2292 | 36  | 116  | .9  | 7   | 18  | 2398 | 8.04  | 6   | 5   | 2   | 7   | 110 | .2  | 4   | 2   | 9   | .35  | .073 | 46  | 2   | .11  | 335 | .01 | 2   | .41  | .01 | .14 | 1   | 53   |
| 90S-14-249 | 3   | 55   | 24  | 121  | .1  | 32  | 12  | 347  | 5.93  | 19  | 5   | 2   | 1   | 21  | 1.0 | 2   | 2   | 56  | .21  | .058 | 12  | 73  | .67  | 58  | .13 | 3   | 4.08 | .01 | .04 | 2   | 9    |
| 90S-14-250 | 5   | 45   | 26  | 144  | .2  | 45  | 15  | 405  | 7.62  | 18  | 5   | 2   | 2   | 23  | 1.2 | 2   | 4   | 97  | .13  | .056 | 15  | 83  | .71  | 64  | .16 | 3   | 5.07 | .01 | .04 | 1   | 10   |
| 90S-14-251 | 4   | 32   | 12  | 82   | .7  | 35  | 8   | 292  | 5.31  | 11  | 5   | 2   | 1   | 23  | .5  | 2   | 2   | 89  | .13  | .044 | 7   | 81  | .82  | 74  | .15 | 3   | 2.93 | .01 | .08 | 1   | 3    |
| 90S-14-252 | 8   | 670  | 9   | 152  | .1  | 70  | 16  | 646  | 3.59  | 8   | 5   | 2   | 1   | 36  | .8  | 2   | 2   | 59  | .36  | .060 | 9   | 88  | 1.45 | 119 | .11 | 4   | 2.71 | .03 | .10 | 1   | 7    |
| 90S-14-253 | 36  | 114  | 47  | 116  | .1  | 7   | 18  | 7110 | 4.93  | 16  | 5   | 2   | 1   | 12  | .2  | 2   | 10  | 37  | .06  | .227 | 16  | 13  | .19  | 54  | .02 | 5   | .99  | .02 | .09 | 1   | 6    |
| 90S-14-254 | 18  | 525  | 30  | 94   | .5  | 11  | 13  | 1213 | 7.61  | 8   | 5   | 2   | 1   | 15  | 1.1 | 2   | 3   | 114 | .76  | .149 | 15  | 13  | .84  | 81  | .12 | 2   | 2.81 | .01 | .14 | 1   | 22   |
| 90S-14-255 | 38  | 960  | 61  | 146  | .6  | 6   | 10  | 655  | 5.54  | 14  | 5   | 2   | 1   | 21  | .2  | 2   | 2   | 53  | .23  | .160 | 22  | 19  | .88  | 40  | .09 | 2   | 2.62 | .01 | .12 | 1   | 31   |
| 90S-14-256 | 9   | 47   | 17  | 36   | .2  | 2   | 3   | 151  | 3.41  | 6   | 5   | 2   | 1   | 40  | .2  | 2   | 4   | 83  | .09  | .038 | 8   | 20  | .24  | 39  | .27 | 2   | 1.42 | .01 | .09 | 1   | 11   |
| 90S-14-257 | 12  | 7153 | 26  | 279  | .1  | 20  | 1   | 303  | 4.84  | 13  | 5   | 2   | 1   | 196 | .4  | 2   | 2   | 58  | .65  | .083 | 65  | 47  | .79  | 49  | .11 | 3   | 2.70 | .02 | .07 | 1   | 16   |
| 90S-14-258 | 56  | 583  | 57  | 248  | .3  | 12  | 22  | 2672 | 5.50  | 45  | 5   | 2   | 1   | 102 | .6  | 2   | 2   | 78  | .44  | .127 | 15  | 20  | .73  | 159 | .02 | 3   | 2.78 | .01 | .13 | 1   | 34   |
| 90S-14-259 | 4   | 60   | 38  | 89   | .1  | 5   | 15  | 1234 | 8.08  | 2   | 5   | 2   | 1   | 19  | .6  | 2   | 2   | 100 | .21  | .108 | 7   | 20  | .83  | 51  | .17 | 3   | 5.21 | .01 | .03 | 1   | 2    |
| 90S-14-260 | 4   | 46   | 12  | 38   | 1.4 | 4   | 3   | 84   | 3.24  | 2   | 5   | 2   | 1   | 12  | .2  | 2   | 2   | 62  | .06  | .139 | 10  | 24  | .11  | 12  | .08 | 2   | 3.54 | .02 | .03 | 1   | 1    |
| 90S-14-261 | 2   | 5    | 11  | 52   | .5  | 1   | 2   | 173  | 1.14  | 2   | 5   | 2   | 1   | 31  | .3  | 2   | 4   | 39  | .19  | .032 | 3   | 7   | .20  | 34  | .16 | 2   | 1.58 | .02 | .05 | 2   | 1    |
| LR 0+00    | 2   | 20   | 13  | 75   | .5  | 20  | 5   | 221  | 5.41  | 10  | 5   | 2   | 1   | 11  | .4  | 4   | 2   | 70  | .10  | .033 | 11  | 45  | .65  | 35  | .10 | 2   | 2.29 | .01 | .04 | 1   | 3    |
| LR 0+25    | 1   | 7    | 21  | 47   | .1  | 8   | 3   | 139  | 2.99  | 11  | 5   | 2   | 1   | 2   | .2  | 2   | 2   | 58  | .03  | .039 | 2   | 13  | .04  | 10  | .02 | 2   | .53  | .01 | .01 | 1   | 3    |
| LR 0+50    | 1   | 25   | 22  | 241  | .3  | 33  | 15  | 1592 | 5.32  | 16  | 5   | 2   | 1   | 51  | 5.0 | 6   | 3   | 67  | 1.76 | .159 | 36  | 46  | .51  | 49  | .10 | 4   | 3.71 | .02 | .02 | 1   | 3    |
| LR 0+75    | 2   | 28   | 11  | 65   | .4  | 15  | 5   | 187  | 7.45  | 13  | 5   | 2   | 3   | 10  | .5  | 6   | 2   | 113 | .12  | .041 | 16  | 60  | .29  | 32  | .14 | 2   | 2.71 | .01 | .01 | 1   | 3    |
| LR 100+00  | 1   | 4    | 4   | 37   | .2  | 3   | 3   | 163  | 2.73  | 3   | 5   | 2   | 1   | 8   | .3  | 2   | 2   | 37  | .14  | .027 | 2   | 10  | .02  | 10  | .04 | 2   | .42  | .01 | .01 | 1   | 7    |
| LR 100+25  | 1   | 36   | 9   | 81   | .1  | 35  | 9   | 1275 | 2.96  | 11  | 5   | 2   | 1   | 69  | 1.4 | 3   | 2   | 40  | 1.38 | .161 | 88  | 47  | .56  | 47  | .07 | 3   | 3.22 | .03 | .02 | 1   | 7    |
| LR 100+50  | 1   | 8    | 6   | 113  | .1  | 11  | 10  | 619  | 2.10  | 5   | 5   | 2   | 1   | 44  | .6  | 2   | 2   | 20  | .99  | .059 | 10  | 17  | .48  | 41  | .03 | 2   | 1.19 | .02 | .01 | 1   | 5    |
| LR 100+75  | 3   | 27   | 10  | 53   | .3  | 11  | 4   | 179  | 6.14  | 10  | 5   | 2   | 1   | 11  | .5  | 3   | 3   | 85  | .10  | .039 | 10  | 47  | .35  | 17  | .11 | 2   | 2.12 | .01 | .01 | 1   | 7    |
| LR 200+00  | 2   | 21   | 15  | 49   | .4  | 28  | 7   | 303  | 5.58  | 8   | 5   | 2   | 1   | 9   | .3  | 3   | 2   | 75  | .10  | .033 | 10  | 70  | .46  | 23  | .11 | 2   | 2.45 | .01 | .01 | 1   | 8    |
| LR 200+25  | 2   | 13   | 12  | 30   | .4  | 6   | 2   | 60   | 3.05  | 6   | 5   | 2   | 1   | 8   | .2  | 2   | 2   | 63  | .05  | .021 | 9   | 29  | .19  | 13  | .11 | 2   | 1.24 | .02 | .01 | 1   | 9    |
| LR 200+50  | 3   | 19   | 6   | 45   | .4  | 9   | 3   | 132  | 5.23  | 7   | 5   | 2   | 1   | 6   | .2  | 2   | 2   | 72  | .04  | .029 | 9   | 33  | .27  | 12  | .13 | 2   | 1.39 | .01 | .01 | 1   | 18   |
| LR 200+75  | 4   | 14   | 8   | 65   | .2  | 30  | 9   | 682  | 3.72  | 10  | 5   | 2   | 1   | 8   | .2  | 2   | 2   | 35  | .09  | .043 | 11  | 50  | .61  | 16  | .03 | 2   | 1.65 | .01 | .01 | 1   | 1    |
| LR 300+00  | 7   | 10   | 10  | 78   | .2  | 19  | 7   | 527  | 5.40  | 13  | 5   | 2   | 1   | 4   | .5  | 2   | 2   | 34  | .02  | .042 | 4   | 44  | .66  | 8   | .01 | 2   | 1.36 | .01 | .01 | 1   | 2    |
| LR 300+25  | 2   | 6    | 9   | 41   | .1  | 4   | 1   | 64   | 1.57  | 4   | 5   | 2   | 1   | 8   | .2  | 2   | 2   | 28  | .07  | .029 | 4   | 23  | .44  | 14  | .03 | 2   | 1.01 | .01 | .01 | 2   | 8    |

|               | Mo  | Cu   | Pb  | Zn  | Ag   | Ni  | Co  | Mn   | Fe    | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au* |
|---------------|-----|------|-----|-----|------|-----|-----|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
|               | ppm | ppm  | ppm | ppm | ppm  | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb |
| L103N 106+25E | 20  | 47   | 201 | 68  | .9   | 14  | 3   | 382  | 6.44  | 27  | 5   | 2   | 2   | 9   | .2  | 2   | 6   | 149 | .08  | .055 | 8   | 41  | .43  | 73  | .22 | 2   | 1.93 | .01 | .06 | 1   | 7   |
| L103N 106+50E | 14  | 23   | 90  | 30  | 1.2  | 7   | 3   | 355  | 3.19  | 562 | 5   | 2   | 1   | 4   | .2  | 5   | 2   | 31  | .06  | .148 | 4   | 7   | .21  | 46  | .04 | 3   | .90  | .01 | .08 | 1   | 11  |
| L103N 106+75E | 46  | 22   | 98  | 55  | .7   | 7   | 3   | 264  | 3.42  | 20  | 5   | 2   | 1   | 9   | .2  | 2   | 3   | 54  | .09  | .109 | 10  | 20  | .24  | 50  | .10 | 2   | 1.26 | .01 | .06 | 1   | 12  |
| L103N 107+00E | 36  | 221  | 149 | 814 | 1.1  | 55  | 22  | 2563 | 5.90  | 77  | 5   | 2   | 1   | 41  | 3.5 | 2   | 2   | 78  | .68  | .180 | 15  | 38  | .74  | 131 | .05 | 2   | 1.74 | .01 | .08 | 1   | 46  |
| L103N 107+25E | 7   | 75   | 345 | 613 | .1   | 132 | 39  | 9857 | 5.44  | 202 | 5   | 2   | 1   | 24  | 7.1 | 2   | 2   | 75  | .76  | .315 | 30  | 51  | .31  | 110 | .10 | 2   | 3.28 | .01 | .04 | 1   | 35  |
| L103N 107+50E | 2   | 150  | 35  | 147 | .3   | 58  | 11  | 879  | 4.75  | 37  | 5   | 2   | 2   | 17  | .6  | 2   | 2   | 63  | .16  | .072 | 7   | 71  | 1.00 | 45  | .12 | 2   | 2.19 | .01 | .07 | 1   | 6   |
| L103N 107+75E | 1   | 20   | 10  | 62  | .3   | 14  | 6   | 442  | 1.85  | 9   | 5   | 2   | 1   | 12  | .6  | 2   | 2   | 34  | .90  | .090 | 10  | 22  | .24  | 43  | .08 | 2   | 1.57 | .01 | .02 | 1   | 4   |
| L103N 108+00E | 1   | 81   | 17  | 285 | .1   | 76  | 13  | 3160 | 3.89  | 22  | 5   | 2   | 1   | 28  | 5.3 | 2   | 2   | 56  | .94  | .111 | 27  | 65  | .94  | 100 | .06 | 2   | 2.62 | .01 | .07 | 1   | 2   |
| L103N 108+25E | 2   | 8    | 11  | 21  | .2   | 4   | 1   | 111  | .93   | 2   | 5   | 2   | 1   | 6   | .2  | 2   | 3   | 29  | .06  | .018 | 7   | 10  | .05  | 19  | .14 | 4   | .48  | .05 | .05 | 1   | 2   |
| L103N 108+50E | 2   | 9    | 7   | 43  | .2   | 9   | 1   | 76   | 2.29  | 12  | 5   | 2   | 1   | 7   | .2  | 2   | 4   | 73  | .05  | .016 | 4   | 18  | .07  | 17  | .17 | 2   | .63  | .01 | .02 | 1   | 2   |
| L103N 108+75E | 3   | 25   | 7   | 38  | .5   | 11  | 3   | 85   | 2.48  | 20  | 5   | 2   | 1   | 5   | .2  | 2   | 2   | 46  | .06  | .049 | 7   | 20  | .05  | 37  | .10 | 2   | .73  | .01 | .04 | 1   | 1   |
| L103N 109+00E | 2   | 22   | 12  | 36  | .4   | 14  | 2   | 133  | 4.09  | 12  | 5   | 2   | 2   | 13  | .2  | 2   | 6   | 143 | .08  | .041 | 7   | 32  | .22  | 48  | .43 | 2   | 1.28 | .01 | .06 | 1   | 2   |
| L102N 98+50E  | 3   | 128  | 27  | 63  | .5   | 12  | 3   | 213  | 6.11  | 20  | 5   | 2   | 2   | 10  | .2  | 2   | 4   | 72  | .06  | .032 | 12  | 32  | .36  | 27  | .14 | 2   | 2.24 | .01 | .04 | 1   | 1   |
| L102N 98+75E  | 3   | 207  | 39  | 148 | .3   | 32  | 19  | 1888 | 5.04  | 33  | 5   | 2   | 1   | 12  | .2  | 2   | 2   | 47  | .10  | .099 | 9   | 39  | .55  | 34  | .09 | 2   | 1.63 | .01 | .07 | 1   | 1   |
| L102N 99+00E  | 2   | 6    | 9   | 129 | .1   | 8   | 5   | 2225 | 2.39  | 16  | 5   | 2   | 1   | 9   | 1.1 | 2   | 2   | 16  | .30  | .080 | 15  | 10  | .04  | 25  | .02 | 3   | 1.36 | .01 | .02 | 1   | 1   |
| L102N 99+25E  | 3   | 12   | 15  | 77  | .2   | 11  | 5   | 605  | 2.57  | 15  | 5   | 2   | 1   | 7   | .2  | 2   | 2   | 60  | .04  | .023 | 5   | 15  | .05  | 30  | .09 | 2   | .78  | .01 | .03 | 1   | 2   |
| L102N 99+50E  | 2   | 4    | 10  | 41  | .1   | 4   | 1   | 354  | .95   | 2   | 5   | 2   | 1   | 11  | .2  | 2   | 2   | 24  | .24  | .030 | 5   | 10  | .25  | 28  | .09 | 3   | .63  | .02 | .03 | 2   | 2   |
| L102N 99+75E  | 2   | 13   | 40  | 146 | .4   | 40  | 9   | 1265 | 4.68  | 59  | 5   | 2   | 1   | 24  | .9  | 4   | 2   | 49  | .74  | .118 | 18  | 46  | 2.77 | 37  | .01 | 3   | 2.58 | .01 | .03 | 1   | 7   |
| L102N 100+25E | 4   | 9    | 14  | 55  | .1   | 11  | 6   | 1279 | 2.75  | 19  | 5   | 2   | 1   | 4   | .2  | 2   | 3   | 31  | .03  | .022 | 9   | 11  | .06  | 15  | .12 | 4   | 1.08 | .01 | .02 | 1   | 3   |
| L102N 100+50E | 4   | 83   | 36  | 152 | 1.3  | 12  | 12  | 2273 | 4.98  | 107 | 5   | 2   | 1   | 8   | .3  | 3   | 2   | 30  | .05  | .065 | 15  | 22  | .22  | 63  | .03 | 2   | 1.76 | .01 | .04 | 1   | 2   |
| L102N 100+75E | 4   | 75   | 19  | 61  | .3   | 12  | 3   | 323  | 4.43  | 17  | 5   | 2   | 1   | 13  | .2  | 2   | 4   | 87  | .07  | .021 | 5   | 27  | .40  | 27  | .20 | 2   | 1.52 | .01 | .05 | 1   | 10  |
| L102N 101+00E | 3   | 38   | 24  | 200 | .1   | 16  | 10  | 4785 | 4.58  | 17  | 5   | 2   | 1   | 10  | .4  | 2   | 2   | 65  | .06  | .083 | 25  | 27  | .21  | 46  | .11 | 2   | 2.12 | .01 | .04 | 1   | 3   |
| L102N 101+25E | 2   | 30   | 24  | 48  | .3   | 8   | 3   | 405  | 2.22  | 13  | 5   | 2   | 1   | 10  | .2  | 2   | 3   | 56  | .06  | .033 | 10  | 24  | .20  | 30  | .11 | 2   | 1.44 | .01 | .04 | 1   | 1   |
| L102N 101+50E | 3   | 10   | 15  | 25  | .3   | 4   | 1   | 272  | 1.91  | 13  | 6   | 2   | 1   | 7   | .2  | 2   | 2   | 27  | .04  | .034 | 6   | 10  | .09  | 13  | .11 | 3   | .75  | .02 | .04 | 1   | 1   |
| L102N 101+75E | 2   | 55   | 20  | 60  | .4   | 17  | 3   | 190  | 7.81  | 12  | 5   | 2   | 1   | 8   | .2  | 2   | 4   | 100 | .07  | .038 | 13  | 58  | .28  | 29  | .15 | 2   | 2.93 | .01 | .03 | 1   | 1   |
| L102N 102+00E | 2   | 16   | 20  | 265 | .1   | 22  | 5   | 2548 | 3.68  | 22  | 5   | 2   | 1   | 19  | 1.4 | 2   | 2   | 25  | .60  | .146 | 23  | 15  | .12  | 59  | .03 | 2   | 1.69 | .01 | .04 | 1   | 1   |
| L102N 102+25E | 1   | 18   | 13  | 119 | .1   | 26  | 8   | 1319 | 3.23  | 46  | 5   | 2   | 1   | 11  | 1.0 | 2   | 2   | 10  | .37  | .087 | 19  | 9   | .05  | 41  | .01 | 3   | .65  | .01 | .04 | 1   | 4   |
| L102N 102+50E | 1   | 10   | 7   | 78  | .1   | 11  | 8   | 805  | 2.96  | 21  | 5   | 2   | 1   | 2   | .2  | 2   | 2   | 6   | .02  | .057 | 8   | 6   | .03  | 10  | .01 | 4   | .35  | .01 | .02 | 1   | 3   |
| L102N 102+75E | 1   | 41   | 12  | 70  | .2   | 17  | 8   | 589  | 3.18  | 17  | 5   | 2   | 1   | 8   | .2  | 2   | 3   | 32  | .08  | .035 | 9   | 23  | .25  | 26  | .05 | 4   | 1.27 | .01 | .03 | 1   | 2   |
| L102N 103+00E | 10  | 9733 | 125 | 596 | 89.2 | 12  | 9   | 2965 | 10.75 | 149 | 6   | 2   | 1   | 20  | 5.1 | 85  | 2   | 131 | 1.37 | .219 | 30  | 11  | .99  | 54  | .05 | 5   | 1.26 | .01 | .06 | 5   | 560 |
| L102N 103+25E | 4   | 320  | 18  | 77  | 2.5  | 6   | 3   | 305  | 2.47  | 27  | 5   | 2   | 1   | 7   | .2  | 4   | 2   | 25  | .15  | .040 | 6   | 11  | .19  | 21  | .02 | 3   | .83  | .01 | .05 | 1   | 16  |
| L102N 103+50E | 4   | 24   | 14  | 43  | .4   | 8   | 3   | 420  | 3.07  | 33  | 5   | 2   | 1   | 5   | .2  | 2   | 3   | 31  | .06  | .128 | 3   | 15  | .16  | 17  | .03 | 2   | .74  | .01 | .03 | 1   | 8   |
| L102N 103+75E | 8   | 48   | 358 | 76  | 1.0  | 5   | 9   | 2012 | 4.84  | 745 | 5   | 2   | 1   | 12  | .4  | 2   | 4   | 68  | .17  | .056 | 11  | 17  | .25  | 24  | .20 | 4   | 1.13 | .06 | .06 | 1   | 180 |
| L102N 104+00E | 28  | 70   | 34  | 34  | .9   | 3   | 2   | 242  | 5.52  | 13  | 5   | 2   | 1   | 5   | .2  | 2   | 2   | 43  | .03  | .058 | 10  | 17  | .23  | 30  | .05 | 2   | 2.04 | .01 | .07 | 1   | 63  |
| L102N 104+25E | 5   | 12   | 22  | 24  | .3   | 2   | 1   | 297  | 1.53  | 2   | 5   | 2   | 1   | 7   | .2  | 2   | 2   | 64  | .05  | .025 | 6   | 7   | .11  | 39  | .20 | 2   | 1.18 | .01 | .07 | 3   | 7   |
| L102N 104+50E | 5   | 56   | 5   | 43  | .4   | 5   | 2   | 166  | 5.23  | 2   | 5   | 2   | 1   | 9   | 1.2 | 2   | 2   | 103 | .07  | .107 | 8   | 28  | .26  | 27  | .13 | 3   | 1.65 | .01 | .04 | 2   | 35  |
| L102N 104+75E | 7   | 57   | 10  | 27  | .8   | 7   | 2   | 101  | 3.55  | 2   | 5   | 2   | 1   | 7   | 1.0 | 2   | 6   | 95  | .02  | .029 | 6   | 14  | .10  | 30  | .23 | 3   | 1.03 | .01 | .05 | 1   | 13  |
| L102N 105+00E | 8   | 66   | 14  | 49  | 1.0  | 14  | 3   | 347  | 4.23  | 2   | 6   | 2   | 1   | 11  | .8  | 2   | 2   | 72  | .08  | .064 | 9   | 28  | .30  | 34  | .13 | 2   | 1.74 | .01 | .06 | 2   | 2   |
| L102N 105+25E | 2   | 422  | 61  | 112 | .6   | 28  | 10  | 1374 | 4.79  | 3   | 5   | 2   | 1   | 19  | 1.8 | 4   | 2   | 65  | .18  | .084 | 7   | 57  | .76  | 45  | .10 | 5   | 1.37 | .01 | .08 | 1   | 16  |
| L102N 105+50E | 6   | 55   | 27  | 84  | 1.0  | 22  | 7   | 986  | 6.03  | 18  | 5   | 2   | 1   | 14  | 1.2 | 5   | 2   | 79  | .19  | .076 | 5   | 60  | .57  | 29  | .13 | 3   | 1.63 | .01 | .03 | 6   | 1   |
| L102N 105+75E | 6   | 143  | 22  | 74  | .4   | 9   | 7   | 1308 | 3.90  | 15  | 5   | 2   | 1   | 8   | 1.2 | 2   | 2   | 41  | .21  | .062 | 14  | 22  | .23  | 35  | .03 | 6   | 1.71 | .05 | .05 | 1   | 1   |

|                | Mo  | Cu   | Pb  | Zn  | Ag  | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P    | La  | Cr  | Mg  | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au* |    |
|----------------|-----|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|----|
|                | ppm | ppm  | ppm | ppm | ppm | ppm | ppm | ppm  | %    | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | %    | ppm | ppm | %   | ppm | %   | ppm | %    | %   | %   | ppm | ppb |    |
| L102N 106+00E  | 3   | 37   | 90  | 86  | .2  | 8   | 8   | 2711 | 3.58 | 57  | 5   | 2   | 1   | 17  | 1.2 | 2   | 3   | 76  | 1.29 | .070 | 9   | 33  | .22 | 46  | .17 | 10  | 1.02 | .02 | .04 |     | 2   | 75 |
| L102N 106+25E  | 2   | 9    | 7   | 32  | .1  | 7   | 2   | 210  | 1.97 | 10  | 5   | 2   | 1   | 6   | .2  | 2   | 2   | 23  | .12  | .024 | 2   | 16  | .06 | 15  | .02 | 2   | .63  | .01 | .02 |     | 2   | 2  |
| L102N 106+50E  | 4   | 15   | 7   | 74  | .1  | 20  | 6   | 439  | 3.11 | 20  | 5   | 2   | 1   | 7   | .7  | 2   | 2   | 13  | .10  | .048 | 6   | 18  | .05 | 32  | .01 | 2   | .68  | .01 | .02 |     | 1   | 3  |
| L102N 106+75E  | 2   | 18   | 2   | 96  | .1  | 29  | 5   | 1641 | 2.00 | 18  | 5   | 2   | 1   | 24  | .2  | 2   | 2   | 13  | .53  | .068 | 10  | 17  | .07 | 41  | .01 | 2   | .71  | .01 | .03 |     | 1   | 5  |
| L102N 107+00E  | 24  | 2493 | 30  | 130 | .9  | 10  | 15  | 3261 | 6.30 | 7   | 5   | 2   | 4   | 157 | 1.6 | 2   | 3   | 6   | .34  | .069 | 42  | 3   | .05 | 654 | .01 | 3   | .30  | .01 | .11 |     | 1   | 4  |
| L102N 107+25E  | 5   | 1471 | 23  | 112 | 1.0 | 4   | 29  | 1897 | 6.68 | 6   | 5   | 2   | 2   | 50  | 1.7 | 3   | 2   | 42  | .91  | .213 | 35  | 8   | .86 | 156 | .04 | 4   | 1.23 | .01 | .38 |     | 2   | 41 |
| L102N 107+50E  | 5   | 305  | 30  | 117 | 1.7 | 24  | 9   | 377  | 5.60 | 17  | 6   | 2   | 1   | 12  | 1.3 | 2   | 2   | 59  | .15  | .111 | 13  | 38  | .59 | 57  | .02 | 3   | 2.44 | .01 | .11 |     | 1   | 30 |
| L102N 107+75E  | 9   | 43   | 27  | 34  | 2.2 | 8   | 3   | 210  | 3.77 | 3   | 5   | 2   | 1   | 13  | .6  | 2   | 2   | 125 | .07  | .045 | 7   | 17  | .14 | 41  | .11 | 2   | 1.36 | .01 | .04 |     | 2   | 20 |
| L102N 108+00E  | 5   | 11   | 16  | 26  | .7  | 5   | 1   | 76   | 1.28 | 2   | 5   | 2   | 1   | 7   | .2  | 2   | 2   | 54  | .05  | .035 | 7   | 14  | .09 | 29  | .14 | 2   | .76  | .04 | .05 |     | 1   | 2  |
| L102N 108+25E  | 16  | 295  | 194 | 328 | .7  | 61  | 23  | 1584 | 5.30 | 106 | 5   | 2   | 1   | 24  | 1.6 | 5   | 2   | 51  | .34  | .160 | 13  | 51  | .73 | 87  | .03 | 3   | 2.12 | .01 | .09 |     | 1   | 28 |
| L102N 108+50E  | 13  | 79   | 40  | 42  | .5  | 11  | 6   | 152  | 2.92 | 17  | 5   | 2   | 1   | 9   | .3  | 2   | 2   | 93  | .05  | .036 | 10  | 17  | .08 | 50  | .11 | 2   | .77  | .01 | .05 |     | 2   | 2  |
| L102N 108+75E  | 9   | 65   | 16  | 36  | .3  | 12  | 5   | 147  | 3.06 | 10  | 5   | 2   | 1   | 10  | .2  | 2   | 3   | 118 | .07  | .030 | 8   | 30  | .14 | 40  | .15 | 4   | .94  | .01 | .04 |     | 2   | 17 |
| L102N 109+00E  | 3   | 22   | 10  | 45  | .4  | 15  | 3   | 108  | 4.37 | 12  | 5   | 2   | 1   | 11  | .4  | 2   | 2   | 114 | .07  | .033 | 5   | 39  | .14 | 46  | .18 | 2   | .84  | .01 | .03 |     | 1   | 3  |
| BL100E 102+00N | 2   | 14   | 17  | 37  | .2  | 7   | 2   | 132  | 1.21 | 10  | 5   | 2   | 1   | 10  | .2  | 2   | 2   | 43  | .05  | .021 | 8   | 18  | .37 | 29  | .11 | 2   | 1.27 | .01 | .03 |     | 1   | 7  |
| BL100E 101+75N | 3   | 14   | 38  | 93  | .2  | 22  | 9   | 700  | 3.08 | 22  | 5   | 2   | 1   | 8   | 1.6 | 2   | 2   | 52  | .13  | .044 | 7   | 14  | .05 | 22  | .07 | 2   | .73  | .01 | .03 |     | 1   | 2  |
| BL100E 101+50N | 1   | 46   | 19  | 142 | .1  | 25  | 7   | 302  | 2.63 | 11  | 5   | 2   | 1   | 13  | 1.0 | 2   | 3   | 41  | .09  | .056 | 14  | 26  | .31 | 31  | .06 | 2   | 1.61 | .01 | .04 |     | 1   | 1  |
| BL100E 101+25N | 1   | 25   | 19  | 193 | .1  | 32  | 6   | 421  | 2.49 | 6   | 5   | 2   | 1   | 16  | .6  | 2   | 2   | 30  | .33  | .086 | 20  | 25  | .30 | 30  | .04 | 2   | 1.10 | .01 | .04 |     | 1   | 1  |
| BL100E 101+00N | 1   | 35   | 15  | 144 | .4  | 28  | 8   | 701  | 2.97 | 19  | 5   | 2   | 1   | 16  | .9  | 2   | 2   | 37  | .30  | .073 | 15  | 23  | .26 | 35  | .05 | 2   | 1.29 | .01 | .03 |     | 1   | 11 |

SCUD PROPERTY - SILT GEOCHEMISTRY

|            | Mo  | Cu  | Pb  | Zn  | Ag  | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca    | P    | La  | Cr  | Mg   | Ba  | Ti  | B   | Al   | Na  | K   | W   | Au* |    |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|----|
|            | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm  | %    | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %     | %    | ppm | ppm | %    | ppm | %   | ppm | %    | %   | %   | ppm | ppb |    |
| 90L-14-C18 | 5   | 175 | 47  | 185 | .3  | 41  | 15  | 1086 | 3.32 | 15  | 5   | 2   | 1   | 49  | 1.0 | 2   | 4   | 43  | 2.01  | .110 | 8   | 59  | 1.43 | 44  | .14 | 15  | 1.48 | .01 | .08 |     | 4   | 14 |
| 90L-14-C26 | 1   | 67  | 58  | 281 | .2  | 47  | 15  | 1501 | 3.77 | 34  | 5   | 2   | 4   | 78  | 2.0 | 3   | 2   | 52  | 1.73  | .100 | 29  | 55  | 1.42 | 218 | .05 | 4   | 1.69 | .02 | .22 |     | 1   | 6  |
| 90L-14-C27 | 1   | 62  | 54  | 252 | .4  | 34  | 12  | 1422 | 3.27 | 27  | 5   | 2   | 4   | 111 | 1.7 | 3   | 2   | 46  | 4.62  | .093 | 25  | 40  | 1.26 | 196 | .05 | 3   | 1.49 | .01 | .23 |     | 1   | 6  |
| 90L-14-C28 | 2   | 42  | 31  | 193 | .1  | 41  | 11  | 877  | 3.29 | 22  | 5   | 2   | 1   | 40  | 1.0 | 2   | 2   | 38  | .55   | .059 | 18  | 49  | 1.03 | 128 | .03 | 2   | 1.40 | .01 | .13 |     | 1   | 5  |
| 90L-14-C29 | 2   | 35  | 27  | 166 | .3  | 38  | 10  | 975  | 3.15 | 23  | 5   | 2   | 1   | 40  | .8  | 2   | 2   | 35  | .55   | .060 | 15  | 42  | .75  | 101 | .02 | 2   | 1.23 | .01 | .10 |     | 1   | 11 |
| 90L-14-C30 | 2   | 54  | 44  | 226 | .1  | 48  | 14  | 1111 | 3.89 | 32  | 5   | 2   | 1   | 49  | 1.1 | 3   | 2   | 45  | .51   | .070 | 20  | 57  | 1.14 | 157 | .04 | 3   | 1.63 | .01 | .16 |     | 1   | 1  |
| 90L-14-C31 | 2   | 27  | 5   | 105 | .1  | 18  | 6   | 317  | 1.77 | 5   | 5   | 2   | 4   | 199 | .7  | 2   | 2   | 18  | 11.23 | .140 | 6   | 24  | .95  | 36  | .04 | 3   | .75  | .01 | .03 |     | 1   | 1  |
| 90L-14-R10 | 1   | 52  | 8   | 85  | .1  | 67  | 12  | 566  | 2.67 | 6   | 5   | 2   | 1   | 49  | .7  | 5   | 2   | 38  | 1.22  | .124 | 5   | 70  | 1.43 | 48  | .14 | 4   | 1.56 | .01 | .04 |     | 1   | 2  |
| 90L-14-R11 | 1   | 47  | 5   | 67  | .1  | 55  | 10  | 482  | 2.26 | 6   | 5   | 2   | 1   | 57  | 1.1 | 4   | 2   | 31  | 2.48  | .113 | 4   | 57  | 1.21 | 37  | .14 | 3   | 1.33 | .01 | .03 |     | 3   | 5  |
| 90L-14-W08 | 4   | 14  | 5   | 80  | .3  | 25  | 10  | 260  | 2.80 | 14  | 5   | 2   | 1   | 331 | .6  | 2   | 2   | 15  | 14.06 | .057 | 5   | 19  | .72  | 25  | .01 | 3   | .63  | .01 | .02 |     | 1   | 8  |
| 90L-14-W09 | 2   | 50  | 4   | 75  | .2  | 58  | 12  | 490  | 2.51 | 5   | 5   | 2   | 1   | 93  | .9  | 2   | 2   | 34  | 4.97  | .133 | 5   | 53  | 1.13 | 51  | .15 | 8   | 1.28 | .01 | .03 |     | 1   | 4  |
| 90L-14-W10 | 4   | 13  | 5   | 83  | .2  | 26  | 12  | 238  | 2.92 | 16  | 5   | 2   | 1   | 292 | .6  | 2   | 2   | 14  | 11.71 | .052 | 4   | 20  | .66  | 22  | .01 | 2   | .60  | .01 | .02 |     | 1   | 1  |
| 90L-14-W11 | 1   | 19  | 8   | 107 | .1  | 23  | 8   | 395  | 2.40 | 9   | 5   | 2   | 1   | 39  | .7  | 2   | 7   | 23  | 2.21  | .084 | 11  | 40  | .75  | 35  | .02 | 5   | 1.04 | .01 | .02 |     | 1   | 4  |
| 90L-14-W12 | 2   | 16  | 5   | 99  | .1  | 22  | 9   | 418  | 2.61 | 9   | 5   | 2   | 1   | 107 | .6  | 2   | 2   | 19  | 5.74  | .059 | 9   | 26  | 1.07 | 19  | .01 | 7   | .91  | .01 | .02 |     | 1   | 1  |
| 90L-14-W13 | 3   | 68  | 11  | 141 | .1  | 105 | 17  | 918  | 3.84 | 22  | 5   | 2   | 1   | 74  | 1.2 | 2   | 2   | 48  | 2.49  | .086 | 15  | 74  | 1.11 | 71  | .06 | 6   | 1.80 | .01 | .04 |     | 1   | 3  |
| 90L-14-W14 | 3   | 46  | 9   | 125 | .1  | 71  | 17  | 711  | 3.95 | 23  | 5   | 2   | 1   | 77  | 1.4 | 2   | 2   | 29  | 5.41  | .067 | 10  | 37  | 2.47 | 39  | .03 | 5   | 1.05 | .01 | .03 |     | 1   | 1  |

APPENDIX 3  
SUMMARY STATISTICS AND HISTOGRAMS

09:56:19

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Au Unit = ppb N = 304  
N CI = 25

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -890.801

Parameterized Degrees of Freedom = 1

| Population | Mean  | Std Dev             | Percentage |
|------------|-------|---------------------|------------|
| 1          | 6.654 | - 1.550<br>+ 28.558 | 100.00     |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds    |
|------|---------------|
| 1    | 0.361 122.563 |

#####

09:55:14

01/08/91

SOIL GEOCHEMISTRY - SCUD PROPERTY - R3003-14

LOGARITHMIC VALUES

\*\*\*\*\*

VARIABLE = RU

UNIT = SDD

N = 104

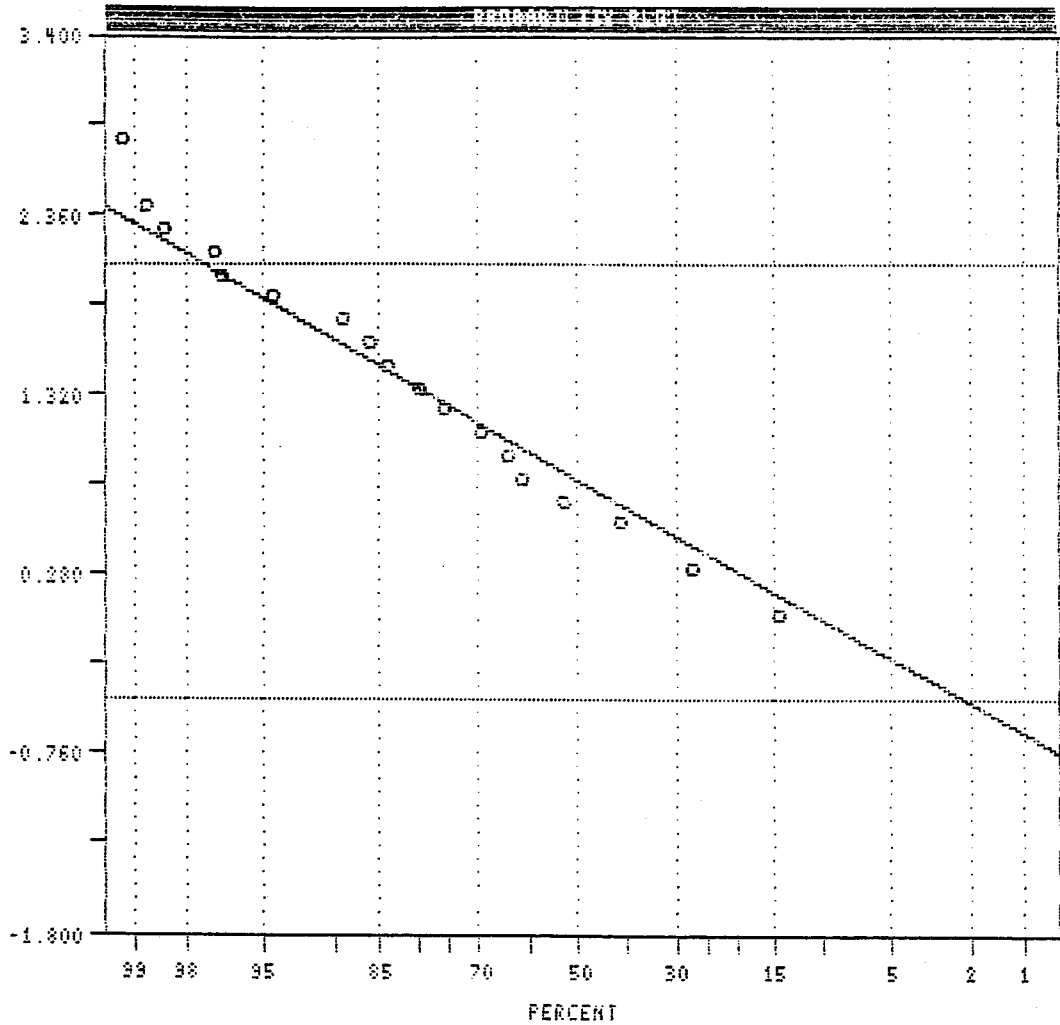
R CID = 15

POPULATIONS

\*\*\*\*\*

| Pop. | Mean   | Std.Dev. | %     |
|------|--------|----------|-------|
| 1    | 0.8231 | 0.5325   | 100.0 |

| Pop. | THRESHOLDS     |
|------|----------------|
| 1    | -0.4422 2.0884 |



CLASS INTERVAL ML

PARAMETER ESTIMATES



09:52:25

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Au Unit = ppb N = 304

Mean = 0.8231 Min = 0.0000 1st Quartile = 0.3010  
 Std. Dev. = 0.6326 Max = 3.1430 Median = 0.6990  
 CV % = 76.8599 Skewness = 0.7738 3rd Quartile = 1.2041

Anti-Log Mean = 6.654 Anti-Log Std. Dev. : (-) 1.550  
 (+) 28.558

```

=====
% cum % antilog cls int (# of bins = 25 - bin size = 0.1310)
-----
0.00 0.16 0.860 -0.0655
14.47 14.59 1.163 0.0655 *****
0.00 14.59 1.572 0.1964
12.83 27.38 2.125 0.3274 *****
0.00 27.38 2.873 0.4584
13.49 40.82 3.884 0.5893 *****
11.84 52.62 5.251 0.7203 *****
8.55 61.15 7.100 0.8512 *****
3.29 64.43 9.598 0.9822 *****
4.93 69.34 12.976 1.1132 *****
6.58 75.90 17.543 1.2441 *****
3.95 79.84 23.718 1.3751 *****
4.28 84.10 32.065 1.5060 *****
2.30 86.39 43.350 1.6370 ****
2.63 89.02 58.607 1.7679 ****
5.59 94.59 79.233 1.8989 *****
2.30 96.89 107.118 2.0299 ****
0.33 97.21 144.818 2.1608 *
1.32 98.52 195.786 2.2918 **
0.33 98.85 264.692 2.4227 *
0.00 98.85 357.849 2.5537
0.00 98.85 483.792 2.6847
0.33 99.18 654.060 2.8156 *
0.00 99.18 884.253 2.9466
0.00 99.18 1195.461 3.0775
0.66 99.84 1616.197 3.2085 *
-----
0 1 2 3 4

```

Each "\*" represents approximately 2.0 observations.

#####

10:32:03

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Ag Unit = ppm N = 303  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 0.1000  
1 Observations Were Above the Maximum Value of 25.0000

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -898.918

Parameterized Degrees of Freedom = 3

| Population | Mean  | Std Dev | Percentage |
|------------|-------|---------|------------|
| 1          | 0.195 | 0.099   | 78.54      |
|            |       | 0.382   |            |
| 2          | 1.278 | 0.737   | 21.46      |
|            |       | 2.219   |            |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds  |
|------|-------------|
| 1    | 0.051 0.749 |
| 2    | 0.424 3.851 |

#####

10:30:59

01/08/91

SOIL GEOCHEMISTRY - SOUD PROPERTY - R3003-14

LOGARITHMIC VALUES

=====

VARIABLE = AS

UNIT = DDH

N = 303

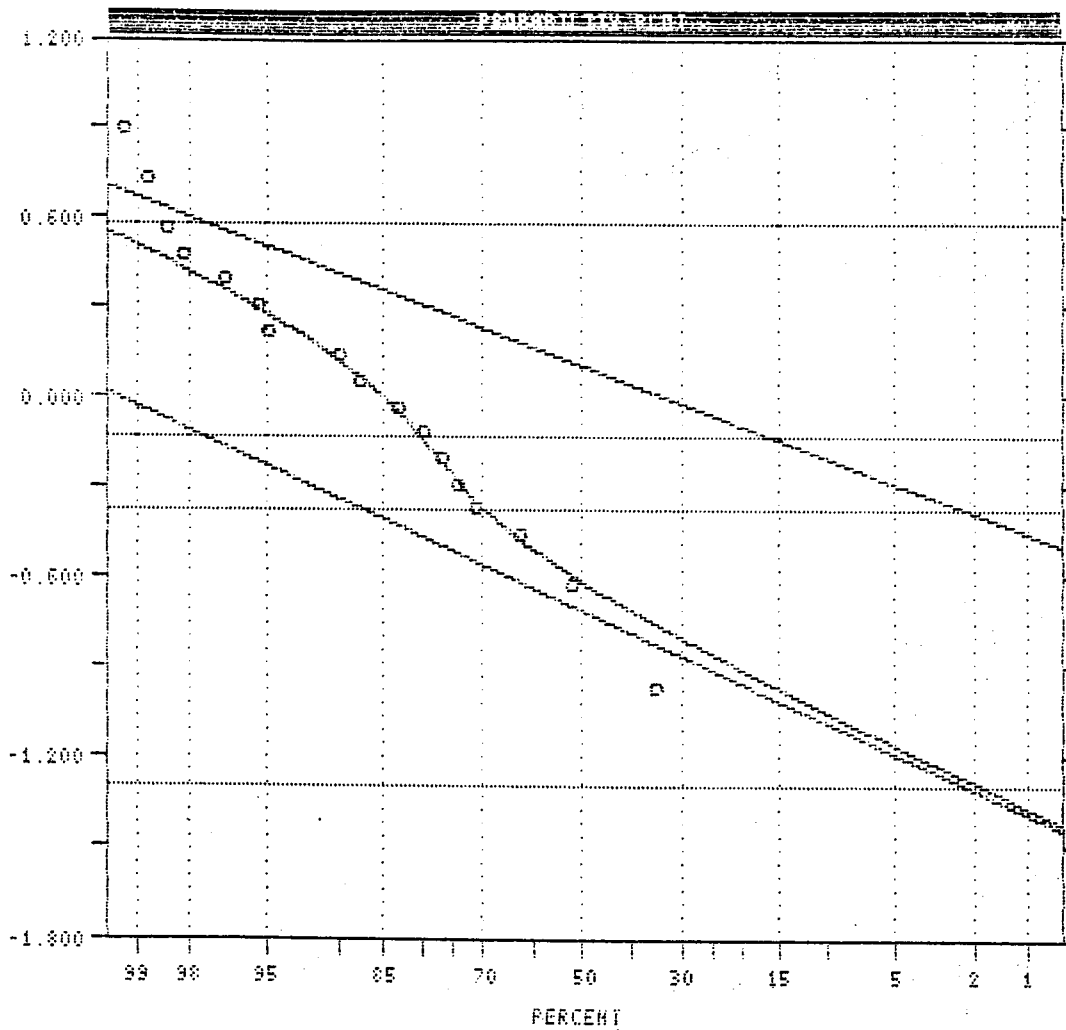
N CI = 25

POPULATIONS

=====

| Pop. | Mean    | Std. Dev. | X    |
|------|---------|-----------|------|
| 1    | -0.7107 | 0.2925    | 78.5 |
| 2    | 0.1057  | 0.1155    | 21.5 |

| Pop. | THRESHOLDS |         |
|------|------------|---------|
| 1    | -1.2358    | -0.1255 |
| 2    | -0.3722    | 0.5856  |



CLASS INTERVAL ML  
PARAMETER ESTIMATES

10:21:47

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Ag Unit = ppm N = 303

Mean = -0.5438 Min = -1.0000 1st Quartile = -1.0000  
 Std. Dev. = 0.4511 Max = 1.0374 Median = -0.6990  
 CV % = 82.9575 Skewness = 0.8176 3rd Quartile = -0.2218

Anti-Log Mean = 0.286 Anti-Log Std. Dev. : (-) 0.101  
 (+) 0.808

```
=====
```

| %     | cum % | antilog | cls int | (# of bins = 25 - bin size = 0.0849) |
|-------|-------|---------|---------|--------------------------------------|
| 0.00  | 0.16  | 0.091   | -1.0424 |                                      |
| 34.98 | 35.03 | 0.110   | -0.9576 | ***** --> 53                         |
| 0.00  | 35.03 | 0.134   | -0.8727 |                                      |
| 0.00  | 35.03 | 0.163   | -0.7878 |                                      |
| 0.00  | 35.03 | 0.198   | -0.7029 |                                      |
| 16.83 | 51.81 | 0.241   | -0.6180 | *****                                |
| 0.00  | 51.81 | 0.293   | -0.5331 |                                      |
| 10.89 | 62.66 | 0.356   | -0.4482 | *****                                |
| 8.58  | 71.22 | 0.433   | -0.3633 | *****                                |
| 2.97  | 74.18 | 0.527   | -0.2784 | *****                                |
| 2.97  | 77.14 | 0.640   | -0.1935 | *****                                |
| 2.64  | 79.77 | 0.779   | -0.1086 | *****                                |
| 3.63  | 83.39 | 0.947   | -0.0237 | *****                                |
| 4.29  | 87.66 | 1.151   | 0.0612  | *****                                |
| 2.31  | 89.97 | 1.400   | 0.1461  | *****                                |
| 4.95  | 94.90 | 1.702   | 0.2309  | *****                                |
| 0.66  | 95.56 | 2.069   | 0.3158  | *                                    |
| 1.32  | 96.88 | 2.516   | 0.4007  | **                                   |
| 1.32  | 98.19 | 3.059   | 0.4856  | **                                   |
| 0.33  | 98.52 | 3.720   | 0.5705  | *                                    |
| 0.00  | 98.52 | 4.523   | 0.6554  |                                      |
| 0.33  | 98.85 | 5.499   | 0.7403  | *                                    |
| 0.00  | 98.85 | 6.686   | 0.8252  |                                      |
| 0.33  | 99.18 | 8.130   | 0.9101  | *                                    |
| 0.00  | 99.18 | 9.885   | 0.9950  |                                      |
| 0.66  | 99.84 | 12.019  | 1.0799  | *                                    |

```
-----
```

0                    1                    2                    3                    4

Each "\*" represents approximately 2.0 observations.

#####

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Mo Unit = ppm N = 303  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 1.0000  
1 Observations Were Above the Maximum Value of 350.0000

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -881.389

Parameterized Degrees of Freedom = 3

| Population | Mean   | Std Dev  | Percentage |
|------------|--------|----------|------------|
| 1          | 1.852  | - 0.822  | 91.43      |
|            |        | + 4.175  |            |
| 2          | 29.360 | - 17.856 | 8.57       |
|            |        | + 48.277 |            |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds    |
|------|---------------|
| 1    | 0.365 9.410   |
| 2    | 10.859 79.381 |

#####

09:29:11  
01/14/91

SOIL GEOCHEMISTRY - SCUD PROPERTY - 89003-14

LOGARITHMIC VALUES

=====

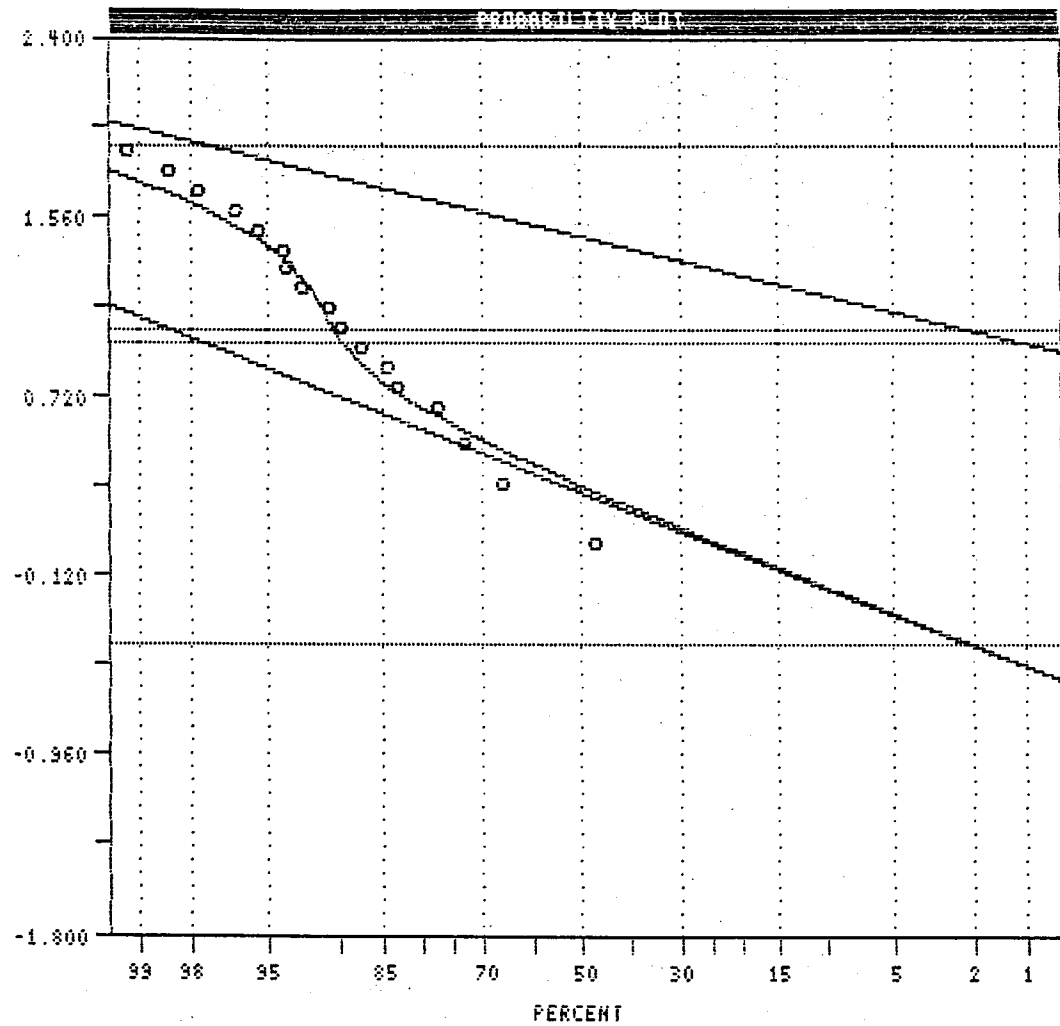
VARIABLE = No  
UNIT = ppm  
N = 303  
N CI = 25

POPULATIONS

=====

| Pop. | Mean   | Std.Dev. | %    |
|------|--------|----------|------|
| 1    | 0.2676 | 0.3530   | 91.4 |
| 2    | 1.4678 | 0.2160   | 8.6  |

| Pop. | THRESHOLDS |        |
|------|------------|--------|
| 1    | -0.4303    | 0.9736 |
| 2    | 1.0358     | 1.8997 |



CLASS INTERVAL ML  
PARAMETER ESTIMATES

09:24:44

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/14/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Mo Unit = ppm N = 303

Mean = 0.3687 Min = 0.0000 1st Quartile = 0.0000  
 Std. Dev. = 0.4757 Max = 2.1987 Median = 0.3010  
 CV % = 129.0100 Skewness = 1.4278 3rd Quartile = 0.6021

Anti-Log Mean = 2.337 Anti-Log Std. Dev. : (-) 0.782  
 (+) 6.989

```
=====
```

| %     | cum % | antilog | cls int | (# of bins = 25 - bin size = 0.0916) |
|-------|-------|---------|---------|--------------------------------------|
| 0.00  | 0.16  | 0.900   | -0.0458 |                                      |
| 46.86 | 46.88 | 1.111   | 0.0458  | ***** --> 71                         |
| 0.00  | 46.88 | 1.372   | 0.1374  |                                      |
| 0.00  | 46.88 | 1.694   | 0.2290  |                                      |
| 19.14 | 65.95 | 2.092   | 0.3206  | *****                                |
| 0.00  | 65.95 | 2.584   | 0.4122  |                                      |
| 7.26  | 73.19 | 3.191   | 0.5039  | *****                                |
| 0.00  | 73.19 | 3.940   | 0.5955  |                                      |
| 4.62  | 77.80 | 4.865   | 0.6871  | *****                                |
| 5.61  | 83.39 | 6.007   | 0.7787  | *****                                |
| 1.32  | 84.70 | 7.418   | 0.8703  | **                                   |
| 2.97  | 87.66 | 9.160   | 0.9619  | *****                                |
| 1.98  | 89.64 | 11.312  | 1.0535  | ***                                  |
| 1.32  | 90.95 | 13.968  | 1.1451  | **                                   |
| 1.98  | 92.93 | 17.248  | 1.2367  | ***                                  |
| 0.99  | 93.91 | 21.299  | 1.3284  | **                                   |
| 0.33  | 94.24 | 26.301  | 1.4200  | *                                    |
| 1.32  | 95.56 | 32.477  | 1.5116  | **                                   |
| 0.99  | 96.55 | 40.104  | 1.6032  | **                                   |
| 1.32  | 97.86 | 49.522  | 1.6948  | **                                   |
| 0.66  | 98.52 | 61.152  | 1.7864  | *                                    |
| 0.66  | 99.18 | 75.513  | 1.8780  | *                                    |
| 0.00  | 99.18 | 93.246  | 1.9696  |                                      |
| 0.33  | 99.51 | 115.144 | 2.0612  | *                                    |
| 0.00  | 99.51 | 142.184 | 2.1529  |                                      |
| 0.33  | 99.84 | 175.575 | 2.2445  | *                                    |

-----  
0 1 2 3 4

Each "\*" represents approximately 2.0 observations.

#####

10:10:46

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Cu Unit = ppm N = 304  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -855.891

Parameterized Degrees of Freedom = 3

| Population | Mean     | Std Dev    | Percentage |
|------------|----------|------------|------------|
| 1          | 26.309   | 6.972      | 93.06      |
|            |          | + 99.278   |            |
| 2          | 1673.155 | 801.662    | 6.94       |
|            |          | + 3492.052 |            |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds       |
|------|------------------|
| 1    | 1.848 374.632    |
| 2    | 384.102 7288.284 |

#####

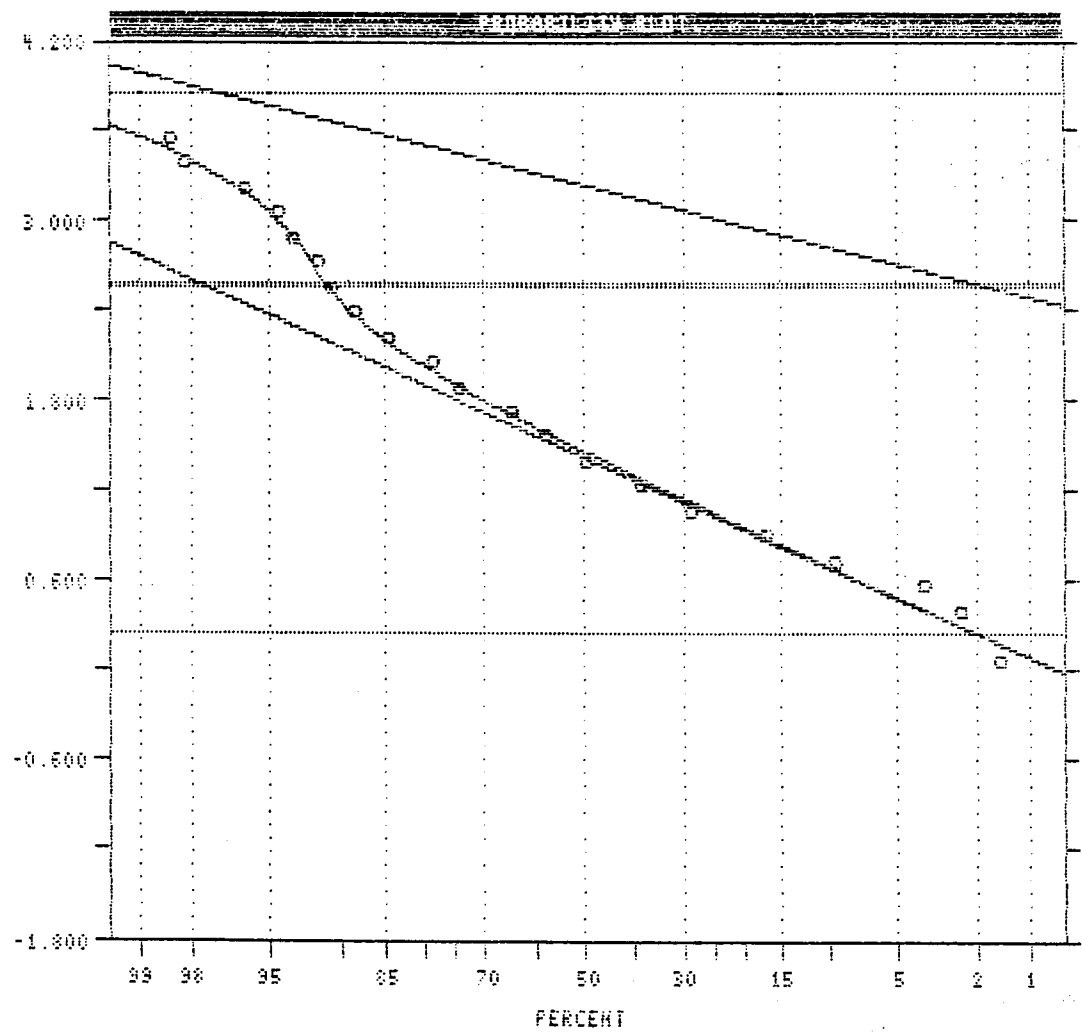


10:09:52

01/08/91

SOIL GEOCHEMISTRY - SOUD PROPERTY - R3003-14

LOGARITHMIC VALUES



=====

VARIABLE = CU

UNIT = ppm

N = 304

N CI = 25

POPULATIONS

=====

| Pop. | Mean   | Std. Dev. | %    |
|------|--------|-----------|------|
| 1    | 1.4201 | 0.5758    | 88.1 |
| 2    | 3.0235 | 0.3135    | 6.9  |

POP. THRESHOLDS

| Pop. | Lower  | Upper  |
|------|--------|--------|
| 1    | 0.2666 | 2.5736 |
| 2    | 2.5844 | 3.8826 |

CLASS INTERVAL ML

PARAMETER ESTIMATES

10:06:20

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Cu Unit = ppm N = 304

Mean = 1.5542 Min = 0.0000 1st Quartile = 1.0414  
 Std. Dev. = 0.7284 Max = 3.9882 Median = 1.4150  
 CV % = 46.8655 Skewness = 0.8174 3rd Quartile = 1.9294

Anti-Log Mean = 35.830 Anti-Log Std. Dev. : (-) 6.696  
 (+) 191.715

| %     | cum % | antilog   | cls int | (# of bins = 25 - bin size = 0.1662) |
|-------|-------|-----------|---------|--------------------------------------|
| 0.00  | 0.16  | 0.826     | -0.0831 |                                      |
| 1.32  | 1.48  | 1.211     | 0.0831  | **                                   |
| 0.00  | 1.48  | 1.775     | 0.2493  |                                      |
| 0.99  | 2.46  | 2.603     | 0.4154  | **                                   |
| 1.32  | 3.77  | 3.816     | 0.5816  | **                                   |
| 5.59  | 9.34  | 5.595     | 0.7478  | *****                                |
| 7.57  | 16.89 | 8.203     | 0.9140  | *****                                |
| 11.84 | 28.69 | 12.027    | 1.0802  | *****                                |
| 9.21  | 37.87 | 17.633    | 1.2463  | *****                                |
| 11.51 | 49.34 | 25.853    | 1.4125  | *****                                |
| 8.55  | 57.87 | 37.904    | 1.5787  | *****                                |
| 6.91  | 64.75 | 55.572    | 1.7449  | *****                                |
| 9.54  | 74.26 | 81.477    | 1.9110  | *****                                |
| 4.61  | 78.85 | 119.457   | 2.0772  | *****                                |
| 5.92  | 84.75 | 175.141   | 2.2434  | *****                                |
| 3.95  | 88.69 | 256.783   | 2.4096  | *****                                |
| 1.97  | 90.66 | 376.481   | 2.5757  | ***                                  |
| 1.32  | 91.97 | 551.975   | 2.7419  | **                                   |
| 1.64  | 93.61 | 809.276   | 2.9081  | ***                                  |
| 0.99  | 94.59 | 1186.516  | 3.0743  | **                                   |
| 1.64  | 96.23 | 1739.604  | 3.2405  | ***                                  |
| 1.97  | 98.20 | 2550.512  | 3.4066  | ***                                  |
| 0.33  | 98.52 | 3739.421  | 3.5728  | *                                    |
| 0.00  | 98.52 | 5482.534  | 3.7390  |                                      |
| 0.99  | 99.51 | 8038.190  | 3.9052  | **                                   |
| 0.33  | 99.84 | 11785.152 | 4.0713  | *                                    |

Each "\*" represents approximately 2.0 observations.

#####

10:17:58

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Pb Unit = ppm N = 303  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 1.0000  
1 Observations Were Above the Maximum Value of 10000.0000

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -785.513

Parameterized Degrees of Freedom = 3

| Population | Mean   | Std Dev   | Percentage |
|------------|--------|-----------|------------|
| 1          | 12.809 | - 6.884   | 90.17      |
|            |        | + 23.834  |            |
| 2          | 96.090 | - 52.812  | 9.83       |
|            |        | + 174.833 |            |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds |         |
|------|------------|---------|
| 1    | 3.700      | 44.347  |
| 2    | 29.026     | 318.102 |

#####

10:16:50  
01/08/91

SOIL GEOCHEMISTRY - SOUD PROPERTY - R2003-14

LOGARITHMIC VALUES

=====

VARIABLE = Pb  
UNIT = ppm  
N = 303  
N CI = 25

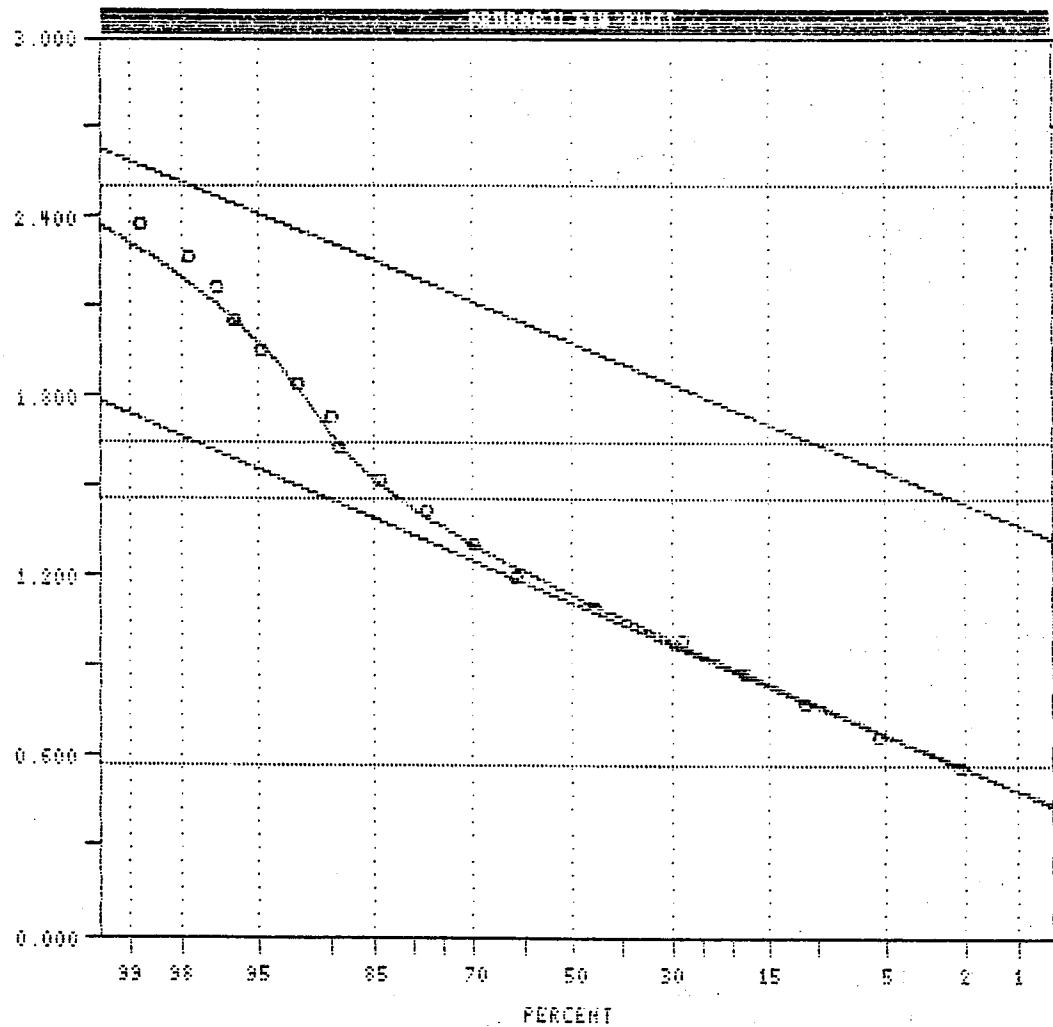
POPULATIONS

=====

| Pop. | Mean   | Std. Dev. | X    |
|------|--------|-----------|------|
| 1    | 1.1075 | 0.2097    | 90.2 |
| 2    | 1.9827 | 0.4599    | 9.8  |

POP. THRESHOLDS

| Pop. | Lower  | Upper  |
|------|--------|--------|
| 1    | 0.5582 | 1.5969 |
| 2    | 1.4628 | 2.5025 |



CLASS INTERVAL ML  
PARAMETER ESTIMATES

10:13:02

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Pb Unit = ppm N = 303

Mean = 1.1939 Min = 0.3010 1st Quartile = 0.9542

Std. Dev. = 0.3882 Max = 2.8651 Median = 1.1139

CV % = 32.5164 Skewness = 1.0413 3rd Quartile = 1.3617

Anti-Log Mean = 15.626 Anti-Log Std. Dev. : (-) 6.392  
(+) 38.199

| %     | cum % | antilog | cls int | (# of bins = 25 - bin size = 0.1068) |
|-------|-------|---------|---------|--------------------------------------|
| 0.00  | 0.16  | 1.769   | 0.2476  |                                      |
| 0.33  | 0.49  | 2.262   | 0.3544  | *                                    |
| 0.00  | 0.49  | 2.893   | 0.4613  |                                      |
| 1.65  | 2.14  | 3.699   | 0.5681  | ***                                  |
| 3.30  | 5.43  | 4.731   | 0.6750  | *****                                |
| 5.61  | 11.02 | 6.051   | 0.7818  | *****                                |
| 7.26  | 18.26 | 7.738   | 0.8886  | *****                                |
| 9.90  | 28.13 | 9.896   | 0.9955  | *****                                |
| 17.16 | 45.23 | 12.656  | 1.1023  | *****                                |
| 16.50 | 61.68 | 16.186  | 1.2091  | *****                                |
| 7.92  | 69.57 | 20.700  | 1.3160  | *****                                |
| 8.58  | 78.13 | 26.474  | 1.4228  | *****                                |
| 6.27  | 84.38 | 33.857  | 1.5296  | *****                                |
| 4.62  | 88.98 | 43.300  | 1.6365  | *****                                |
| 0.99  | 89.97 | 55.376  | 1.7433  | **                                   |
| 2.64  | 92.60 | 70.820  | 1.8502  | ****                                 |
| 2.31  | 94.90 | 90.572  | 1.9570  | ****                                 |
| 1.32  | 96.22 | 115.833 | 2.0638  | **                                   |
| 0.66  | 96.88 | 148.138 | 2.1707  | *                                    |
| 0.99  | 97.86 | 189.454 | 2.2775  | **                                   |
| 0.99  | 98.85 | 242.293 | 2.3843  | **                                   |
| 0.00  | 98.85 | 309.868 | 2.4912  |                                      |
| 0.66  | 99.51 | 396.290 | 2.5980  | *                                    |
| 0.00  | 99.51 | 506.815 | 2.7048  |                                      |
| 0.00  | 99.51 | 648.165 | 2.8117  |                                      |
| 0.33  | 99.84 | 828.938 | 2.9185  | *                                    |

0 1 2 3 4

Each "\*" represents approximately 2.0 observations.

#####

10:37:14

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Zn Unit = ppm N = 304  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -772.281

Parameterized Degrees of Freedom = 3

| Population | Mean    | Std Dev                 | Percentage |
|------------|---------|-------------------------|------------|
| 1          | 81.707  | - 40.751<br>+ 163.825   | 95.47      |
| 2          | 848.295 | - 350.847<br>+ 2051.048 | 4.53       |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds       |
|------|------------------|
| 1    | 20.324 328.474   |
| 2    | 145.107 4959.118 |

#####

10:36:20

01/09/91

SOIL GEOCHEMISTRY - SCUD PROPERTY - R3003-14

LOGARITHMIC VALUES

=====

VARIABLE = Zn

UNIT = ppm

N = 304

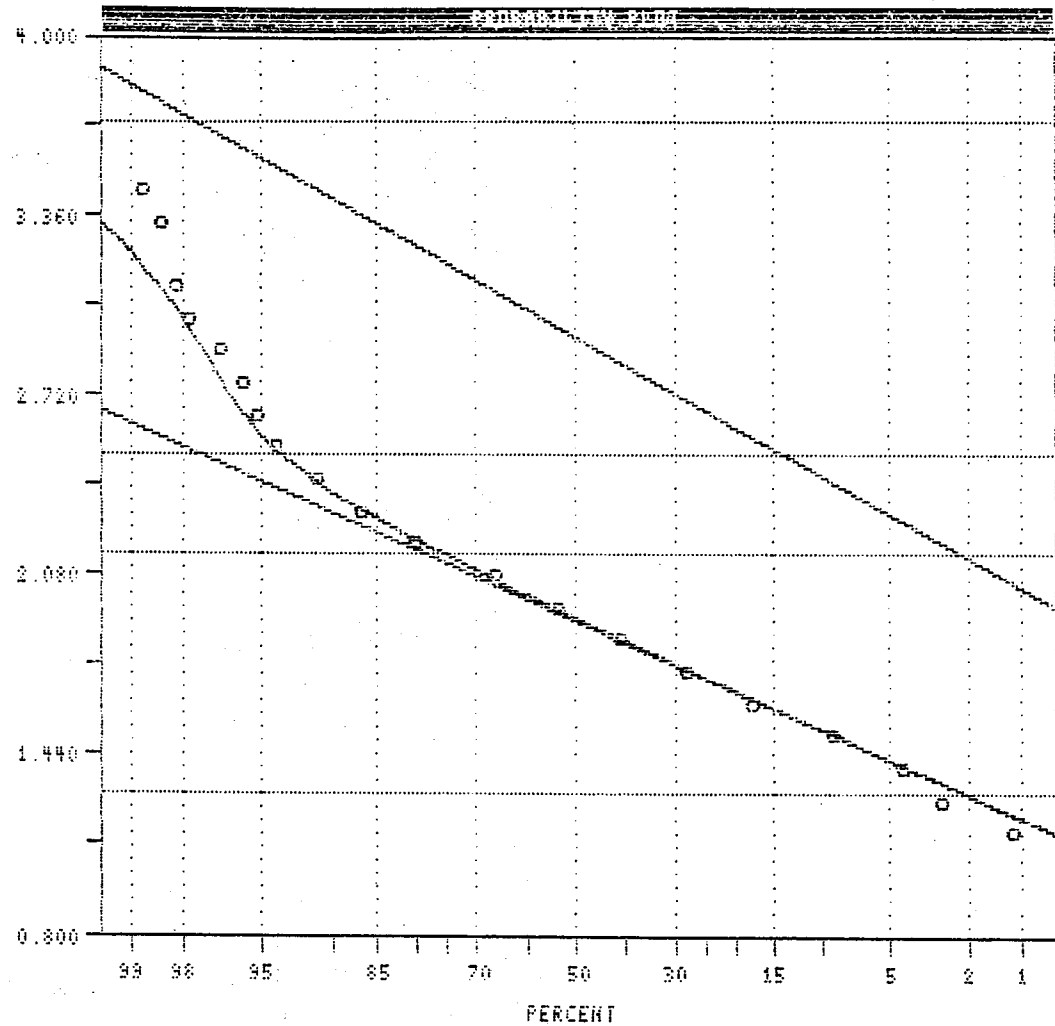
n CI = 25

POPULATIONS

=====

| Pop. | Mean   | Std.Dev. | n    |
|------|--------|----------|------|
| 1    | 1.9123 | 0.3021   | 95.8 |
| 2    | 2.9295 | 0.3034   | 4.5  |

| Pop. | THRESHOLDS |        |
|------|------------|--------|
| 1    | 1.3000     | 2.5155 |
| 2    | 2.1517     | 3.5954 |



CLASS INTERVAL HL  
PARAMETER ESTIMATES

10:33:58

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Zn Unit = ppm N = 304

Mean = 1.9662 Min = 1.1139 1st Quartile = 1.7243

Std. Dev. = 0.3891 Max = 3.8606 Median = 1.9294

CV % = 19.7921 Skewness = 1.1426 3rd Quartile = 2.1644

Anti-Log Mean = 92.504 Anti-Log Std. Dev. : (-) 37.759  
(+) 226.625

| %     | cum % | antilog  | cls int | (# of bins = 25 - bin size = 0.1144) |
|-------|-------|----------|---------|--------------------------------------|
| 0.00  | 0.16  | 11.395   | 1.0567  |                                      |
| 0.99  | 1.15  | 14.831   | 1.1712  | **                                   |
| 1.64  | 2.79  | 19.302   | 1.2856  | ***                                  |
| 1.64  | 4.43  | 25.122   | 1.4001  | ***                                  |
| 4.61  | 9.02  | 32.697   | 1.5145  | *****                                |
| 8.55  | 17.54 | 42.555   | 1.6289  | *****                                |
| 10.53 | 28.03 | 55.385   | 1.7434  | *****                                |
| 12.50 | 40.49 | 72.084   | 1.8578  | *****                                |
| 13.16 | 53.61 | 93.818   | 1.9723  | *****                                |
| 12.83 | 66.39 | 122.104  | 2.0867  | *****                                |
| 13.82 | 80.16 | 158.919  | 2.2012  | *****                                |
| 6.91  | 87.05 | 206.834  | 2.3156  | *****                                |
| 4.28  | 91.31 | 269.195  | 2.4301  | *****                                |
| 2.96  | 94.26 | 350.359  | 2.5445  | *****                                |
| 0.99  | 95.25 | 455.994  | 2.6590  | **                                   |
| 0.66  | 95.90 | 593.478  | 2.7734  | *                                    |
| 0.99  | 96.89 | 772.414  | 2.8878  | **                                   |
| 0.99  | 97.87 | 1005.300 | 3.0023  | **                                   |
| 0.33  | 98.20 | 1308.402 | 3.1167  | *                                    |
| 0.00  | 98.20 | 1702.890 | 3.2312  |                                      |
| 0.33  | 98.52 | 2216.319 | 3.3456  | *                                    |
| 0.33  | 98.85 | 2884.549 | 3.4601  | *                                    |
| 0.66  | 99.51 | 3754.252 | 3.5745  | *                                    |
| 0.00  | 99.51 | 4886.175 | 3.6890  |                                      |
| 0.00  | 99.51 | 6359.378 | 3.8034  |                                      |
| 0.33  | 99.84 | 8276.757 | 3.9179  | *                                    |

0 1 2 3 4

Each "\*" represents approximately 2.0 observations.

#####



11:50:17

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = 14-SOILS.DAT

Variable = Cd Unit = ppm N = 304  
N CI = 25

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

=====

Class Interval Data Maximum Likelihood Parameter Estimates

Maximum LN Likelihood Value = -858.456

Parameterized Degrees of Freedom = 3

| Population | Mean  | Std Dev | Percentage |
|------------|-------|---------|------------|
| 1          | 0.423 | 0.197   | 91.89      |
|            |       | 0.908   |            |
| 2          | 3.970 | 1.788   | 8.11       |
|            |       | 8.814   |            |

=====

Default Thresholds.

Standard Deviation Multiplier = 2.0

| Pop. | Thresholds   |
|------|--------------|
| 1    | 0.092 1.952  |
| 2    | 0.805 19.570 |

#####

11:49:10

01/08/91

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

LOGARITHMIC VALUES

=====

VARIABLE = Cd

UNIT = ppm

N = 304

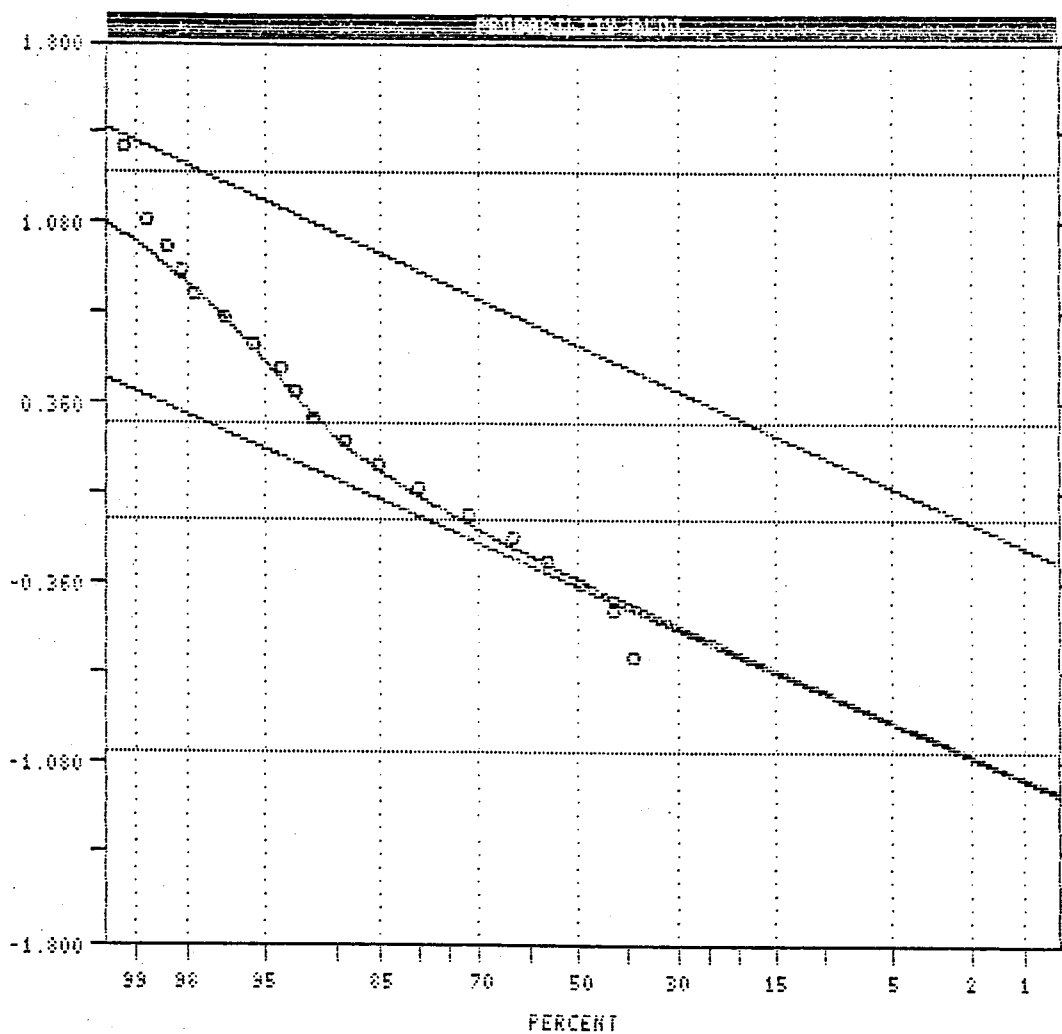
N CI = 25

POPULATIONS

=====

| Pop. | Mean    | Std. Dev. | x    |
|------|---------|-----------|------|
| 1    | -0.3740 | 0.3323    | 91.9 |
| 2    | 0.5987  | 0.3424    | 8.1  |

| Pop. | THRESHOLDS |        |
|------|------------|--------|
| 1    | -1.0385    | 0.2306 |
| 2    | -0.0941    | 1.2916 |



CLASS INTERVAL ML  
PARAMETER ESTIMATES

11:46:35

SOIL GEOCHEMISTRY - SCUD PROPERTY - R9003-14

01/08/91

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Cd Unit = ppm N = 304

Mean = -0.2915 Min = -0.6990 1st Quartile = -0.6990  
 Std. Dev. = 0.4350 Max = 1.6294 Median = -0.3010  
 CV % = 149.2647 Skewness = 1.2300 3rd Quartile = -0.0458

Anti-Log Mean = 0.511 Anti-Log Std. Dev. : (-) 0.188  
 (+) 1.392

```

=====
% cum % antilog cls int (# of bins = 25 - bin size = 0.0970)
-----
0.00 0.16 0.179 -0.7475
38.16 38.20 0.224 -0.6505 ***** --> 58
0.00 38.20 0.280 -0.5534
3.95 42.13 0.350 -0.4564 *****
7.57 49.67 0.437 -0.3594 *****
6.91 56.56 0.547 -0.2624 *****
6.91 63.44 0.683 -0.1654 *****
8.55 71.97 0.854 -0.0684 *****
8.22 80.16 1.068 0.0286 *****
5.26 85.41 1.336 0.1257 *****
3.62 89.02 1.670 0.2227 *****
2.96 91.97 2.088 0.3197 *****
1.32 93.28 2.610 0.4167 **
0.99 94.26 3.264 0.5137 **
1.32 95.57 4.081 0.6107 **
1.32 96.89 5.102 0.7078 **
0.99 97.87 6.379 0.8048 **
0.33 98.20 7.976 0.9018 *
0.33 98.52 9.973 0.9988 *
0.33 98.85 12.469 1.0958 *
0.00 98.85 15.590 1.1928
0.00 98.85 19.492 1.2899
0.33 99.18 24.371 1.3869 *
0.00 99.18 30.471 1.4839
0.33 99.51 38.098 1.5809 *
0.33 99.84 47.634 1.6779 *
-----

```

0 1 2 3 4

Each "\*" represents approximately 2.0 observations.

#####

SLOCAN DEVELOPMENTS LTD.

SCUD PROPERTY  
GEOLOGY  
and  
SAMPLE LOCATIONS

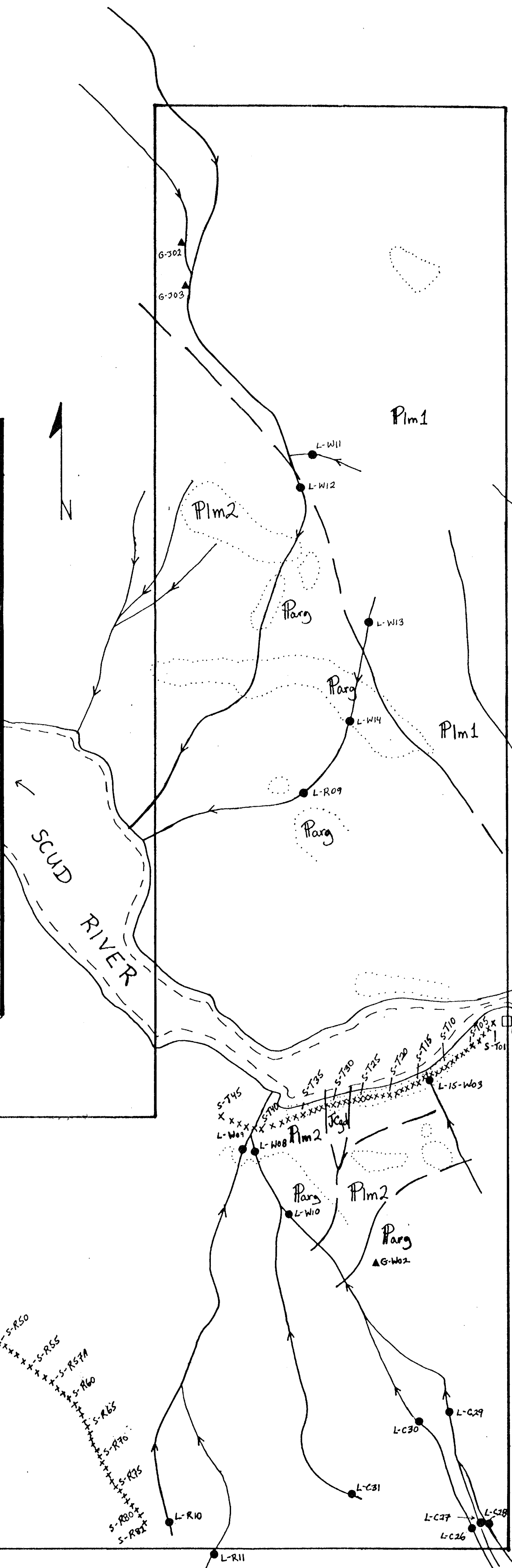
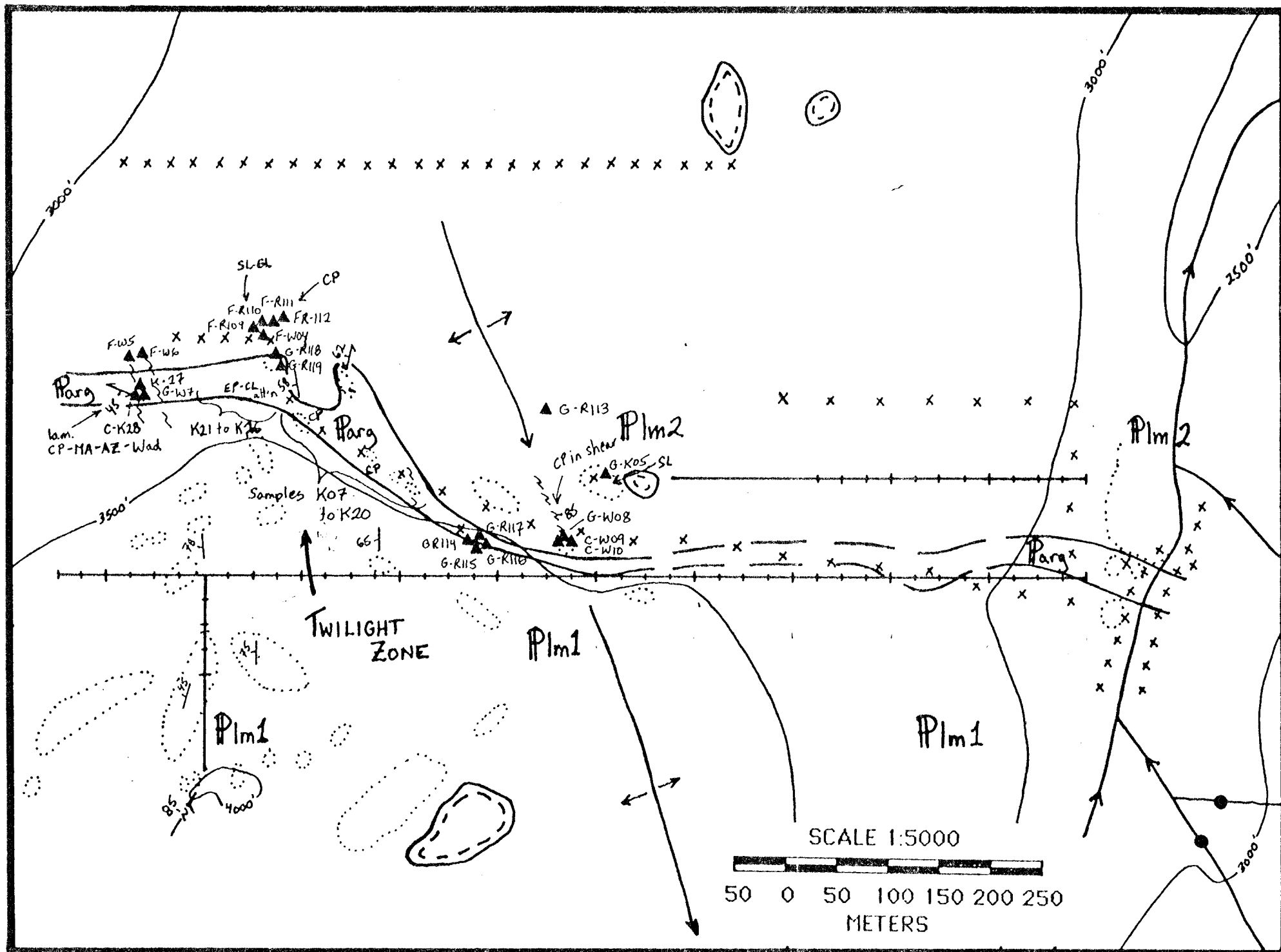
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DRAWN BY: B.K.    NTS: 10-46/3,4,5,6    DATE: JANUARY, 1990    FIGURE: 5

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

21,147

SCALE 1:10,000  
100 0 100 200 300 400 500  
METERS



LEGEND

LITHOLOGY

JURASSIC TO CRETACEOUS  
COAST PLUTONIC COMPLEX

JCgd light grey, medium grained, equalgranular  
hornblende biotite granodioritic dykes.

PERMIAN  
STIRINE ASSEMBLAGE

P1m1 predominantly massive light grey to buff  
limestone.

P1m2 dark grey micritic limestone with interbedded  
argillite and thinly bedded grey bioclastic  
limestone.

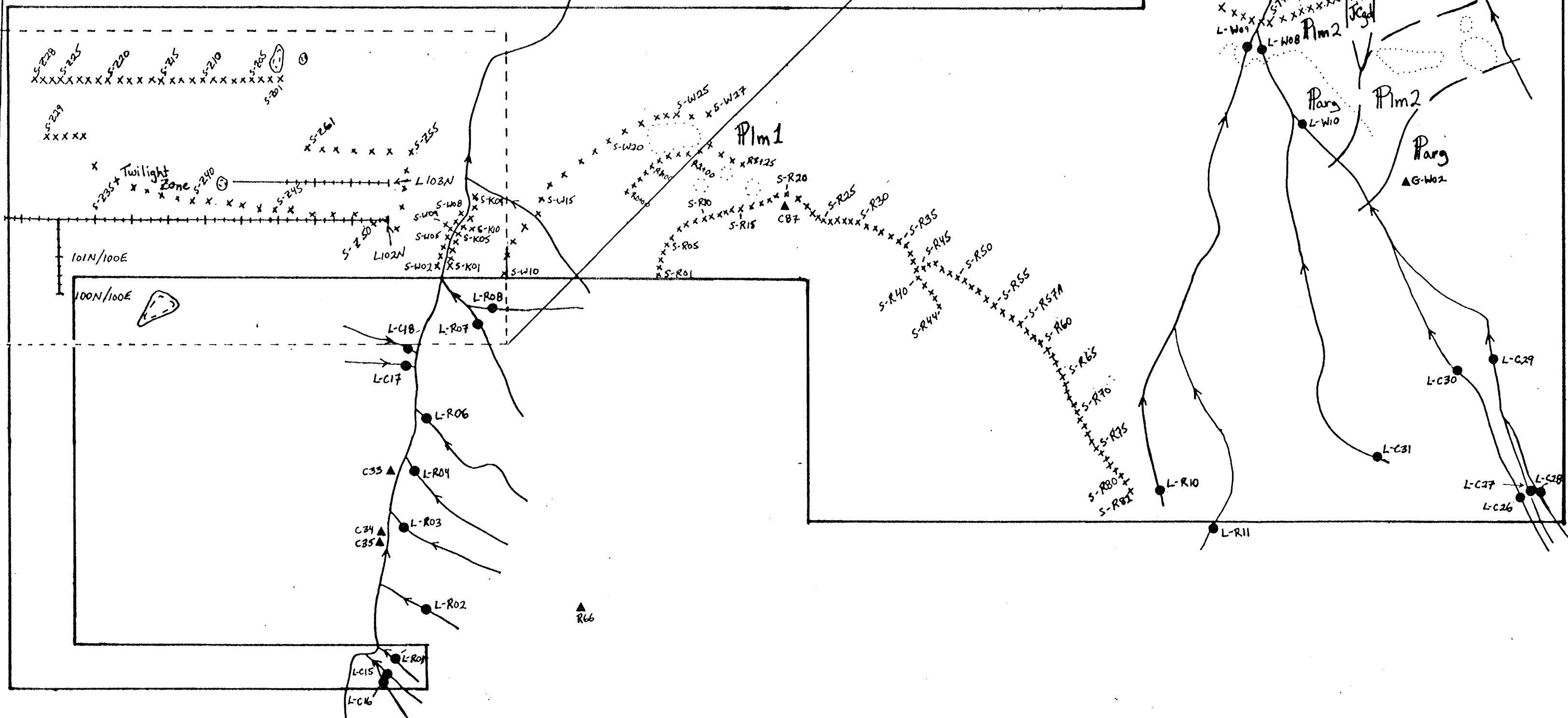
Parg medium to dark grey argillite.

SYMBOLS

- contact
- - - fault
- ▲ rock sample
- silt sample
- × soil sample
- HR bedding attitude
- 60° vein attitude
- 70° fracture attitude
- 20° foliation
- ↔ anticline

ABBREVIATIONS

- |    |              |    |            |
|----|--------------|----|------------|
| PY | pyrite       | PR | pyrrhotite |
| CP | chalcopyrite | GL | galena     |
| SL | sphalerite   | AZ | azurite    |
| MA | malachite    | EP | epidote    |
| CL | chlorite     |    |            |



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SOIL and SILT GEOCHEMISTRY

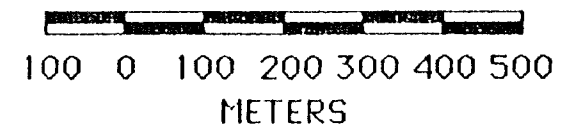
Au  
LIARD MINING DIVISION

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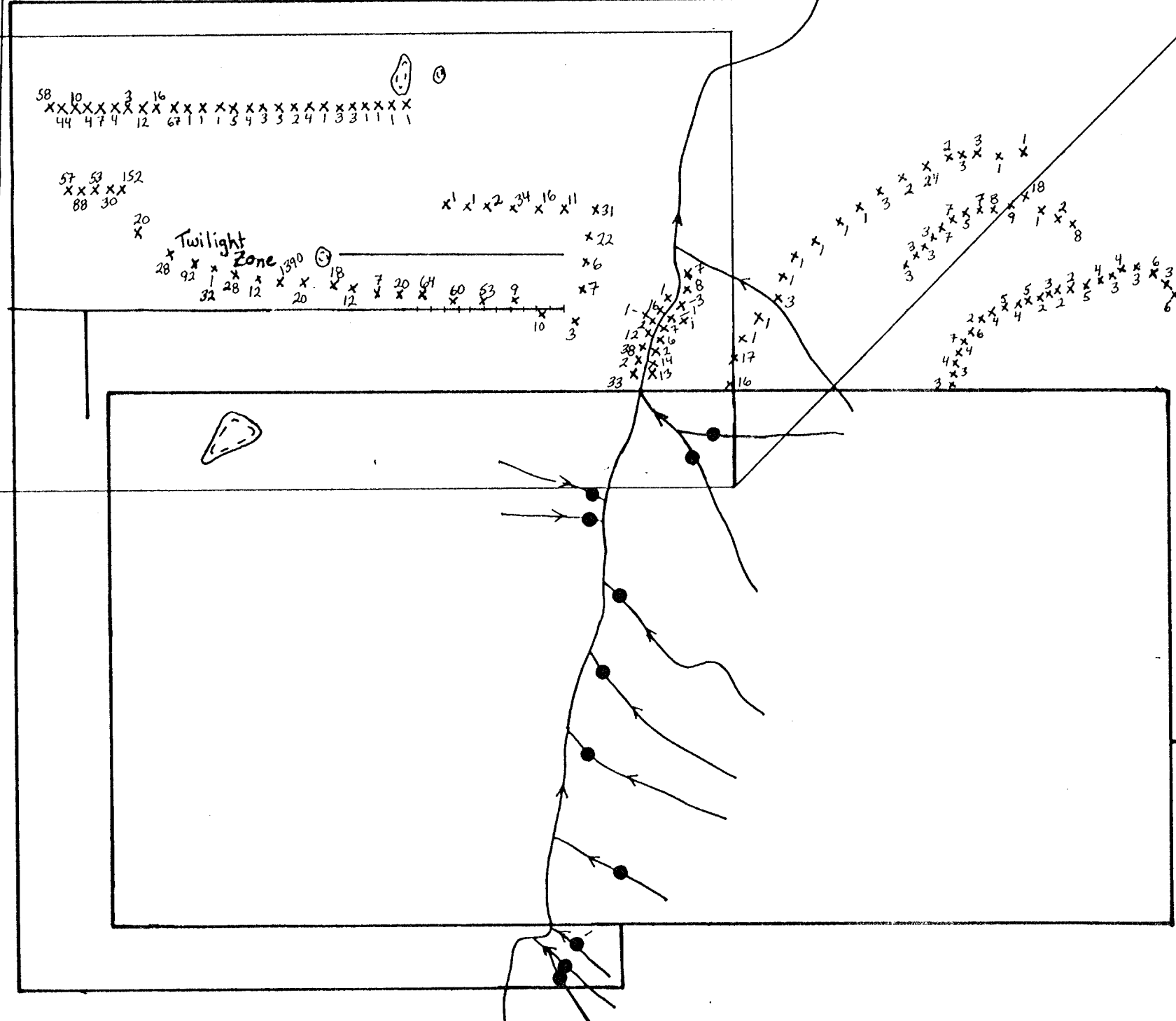
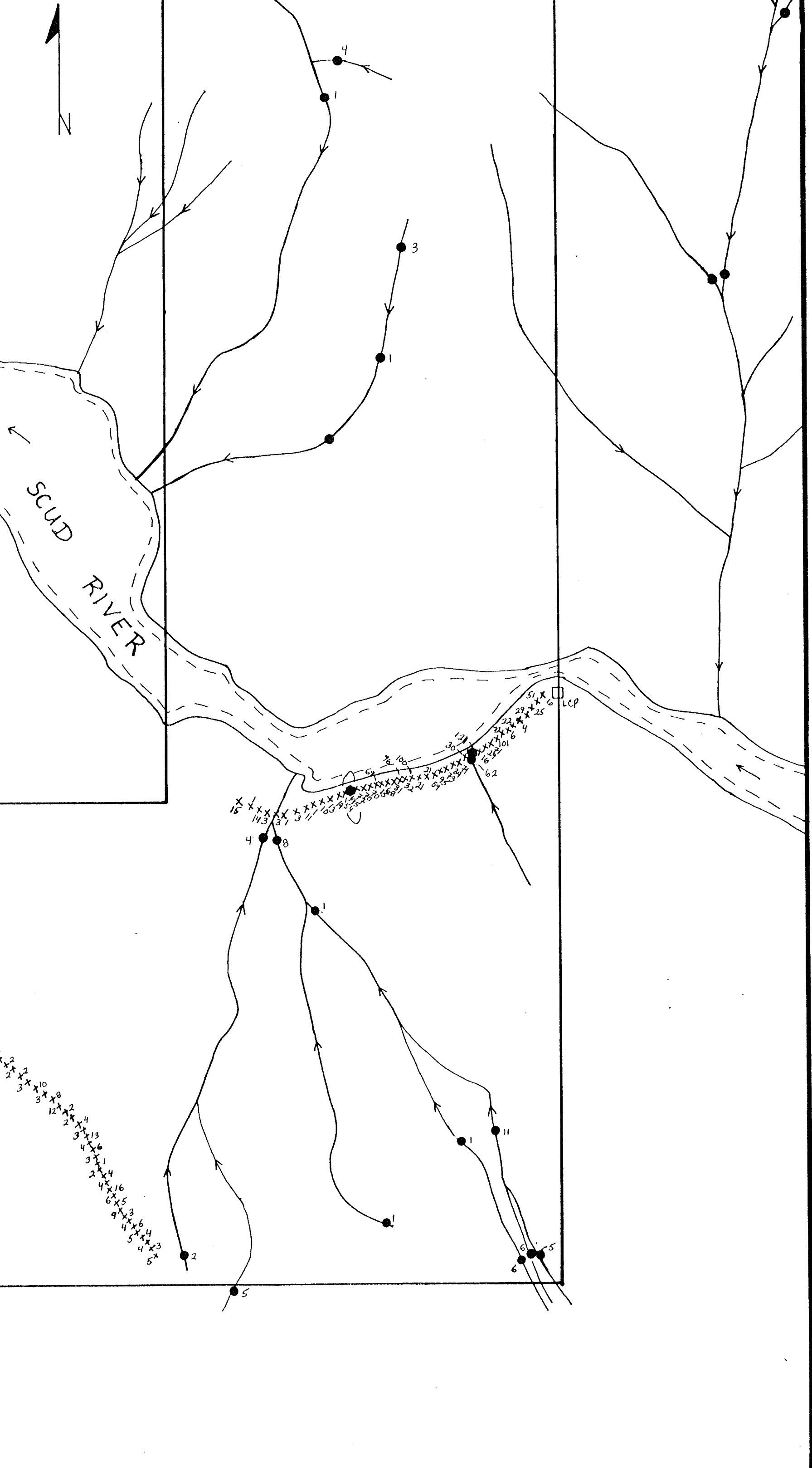
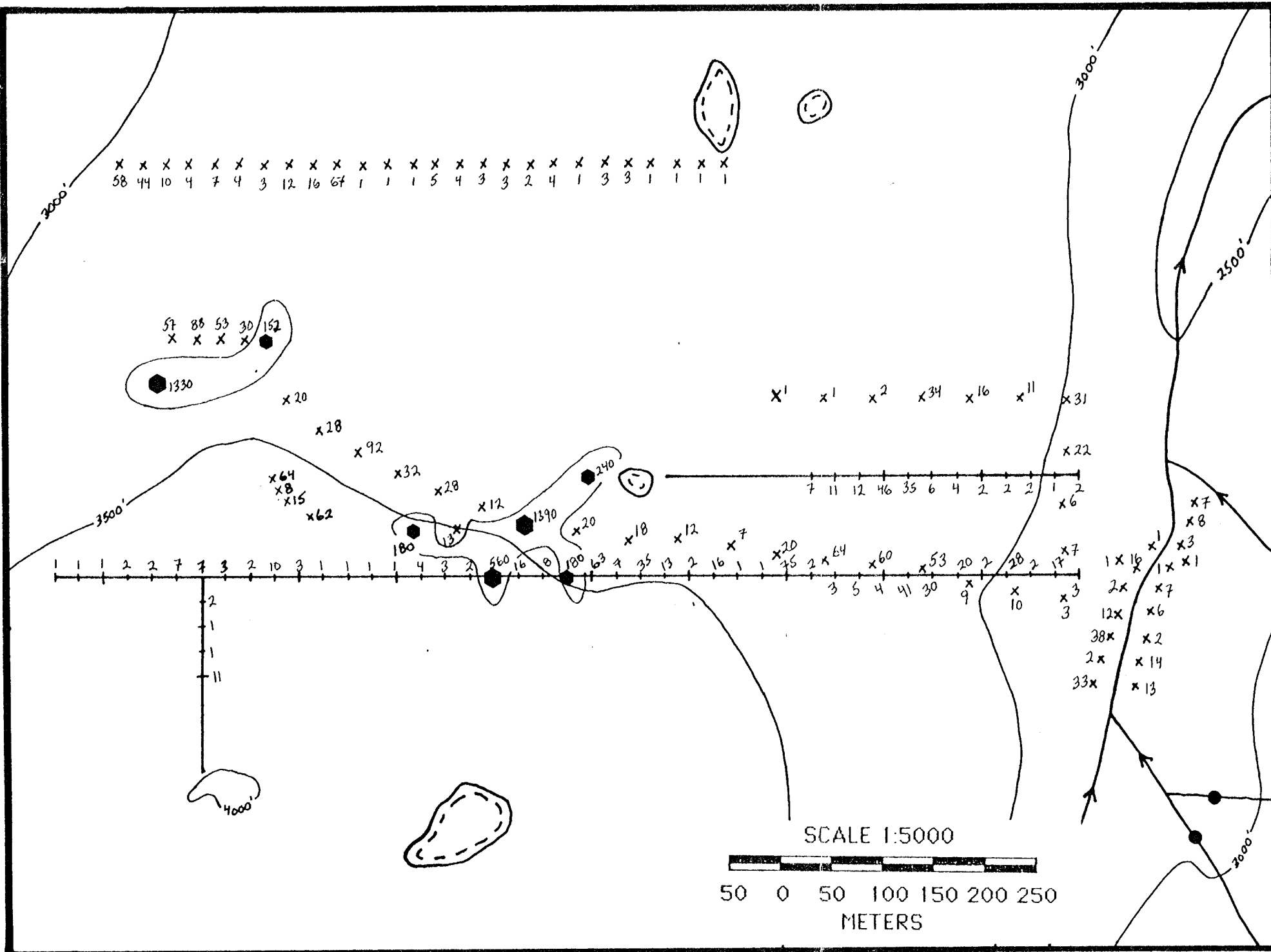
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

SCALE 1:10,000



- x soil sample location
- silt sample location
- threshold 123-525 ppb
- anomalous 526-2256 ppb
- strongly anomalous >2257 ppb

21,143



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Ag  
LIARD MINING DIVISION

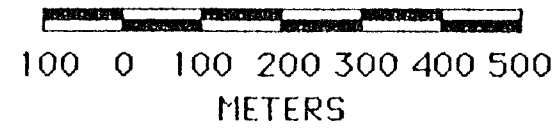
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DRAWN BY: B.K.    NTS: 1046/3,4,5,6    DATE: JANUARY, 1990    FIGURE: 7

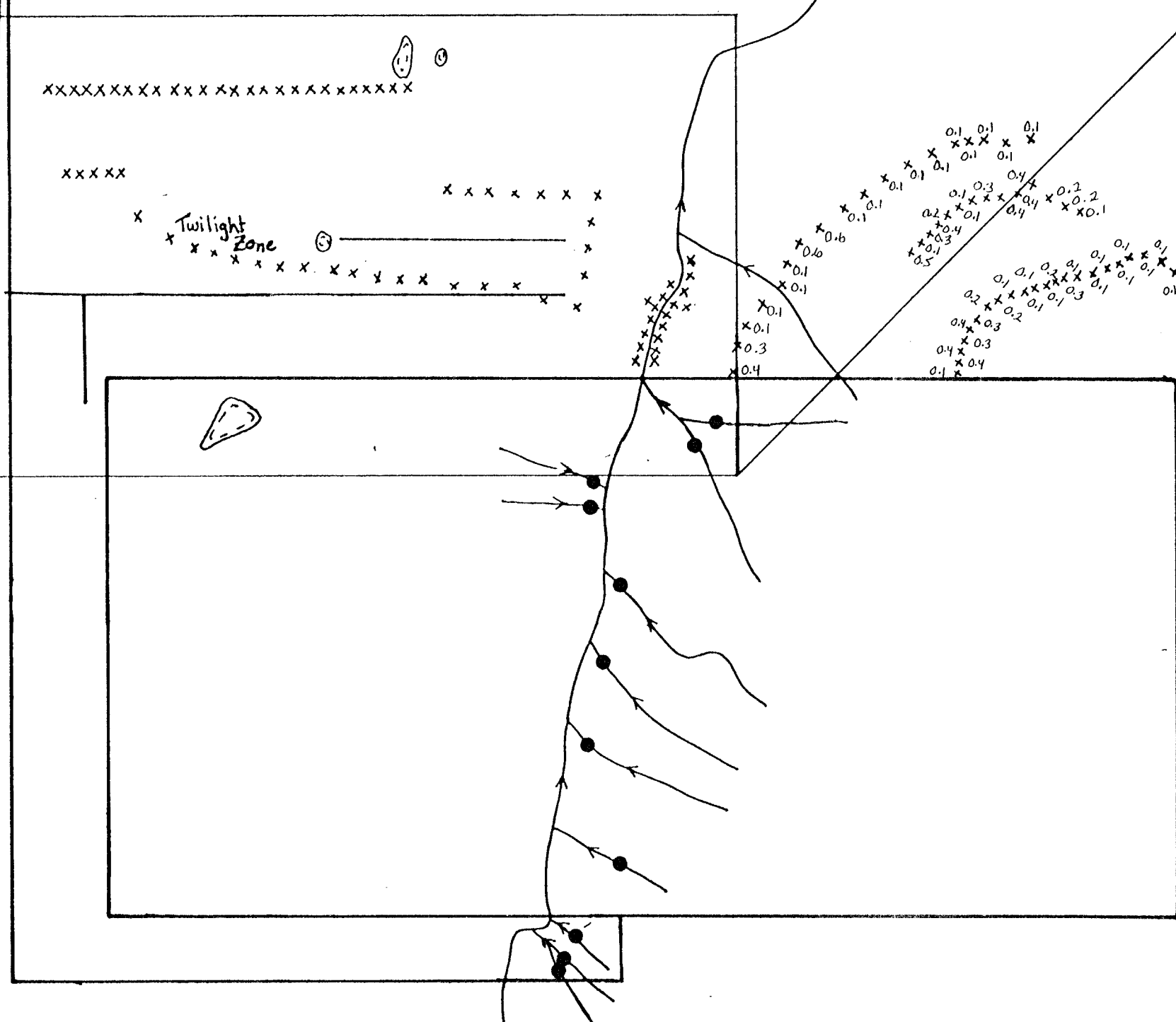
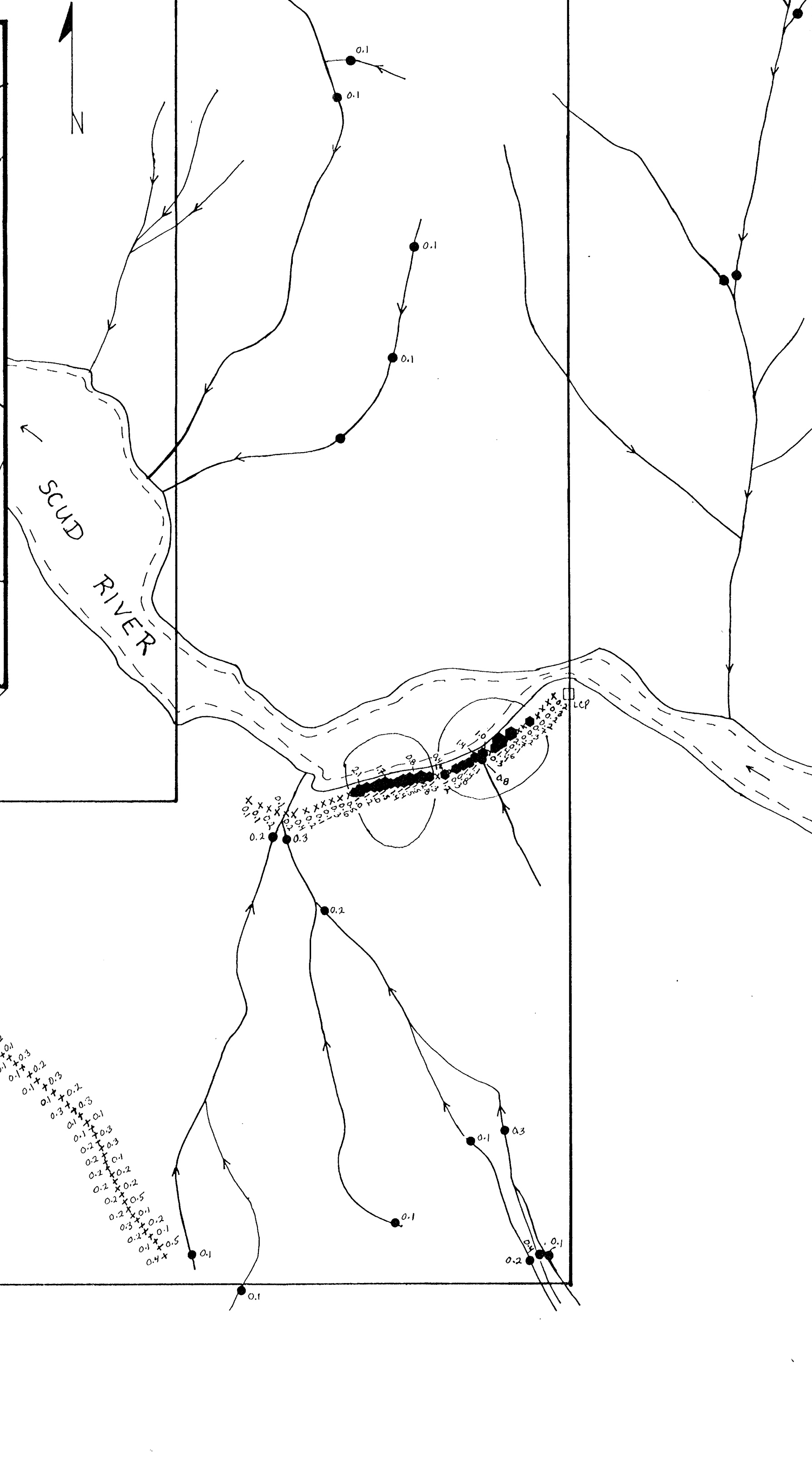
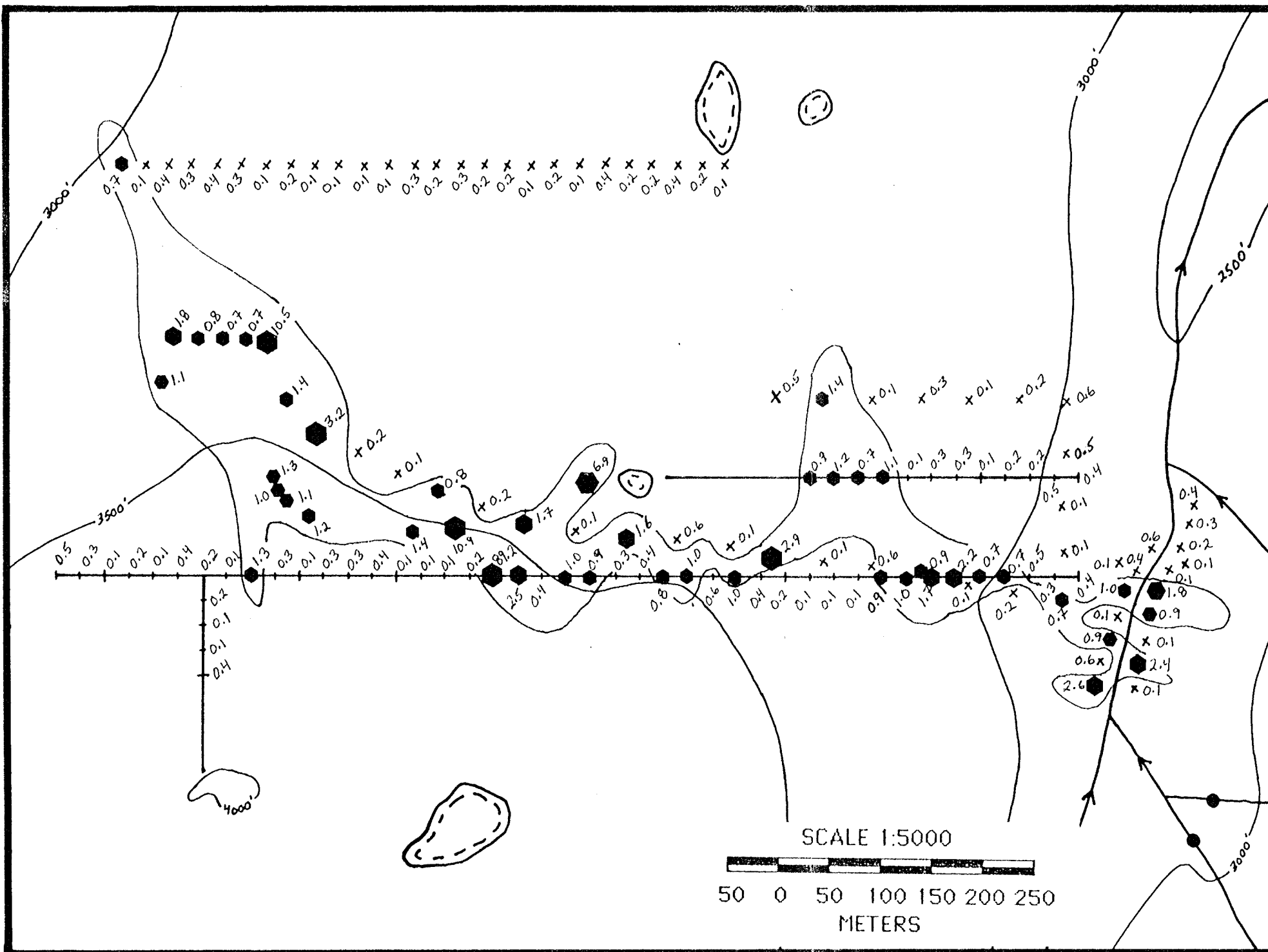
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

21,143

SCALE 1:10,000



- x soil sample location
- silt sample location
- threshold 0.7 - 1.4 ppm
- anomalous 1.5 - 2.8 ppm
- strongly anomalous > 2.9 ppm



SLOCAN DEVELOPMENTS LTD.

SCUD PROPERTY  
SOIL and SILT GEOCHEMISTRY  
Cu

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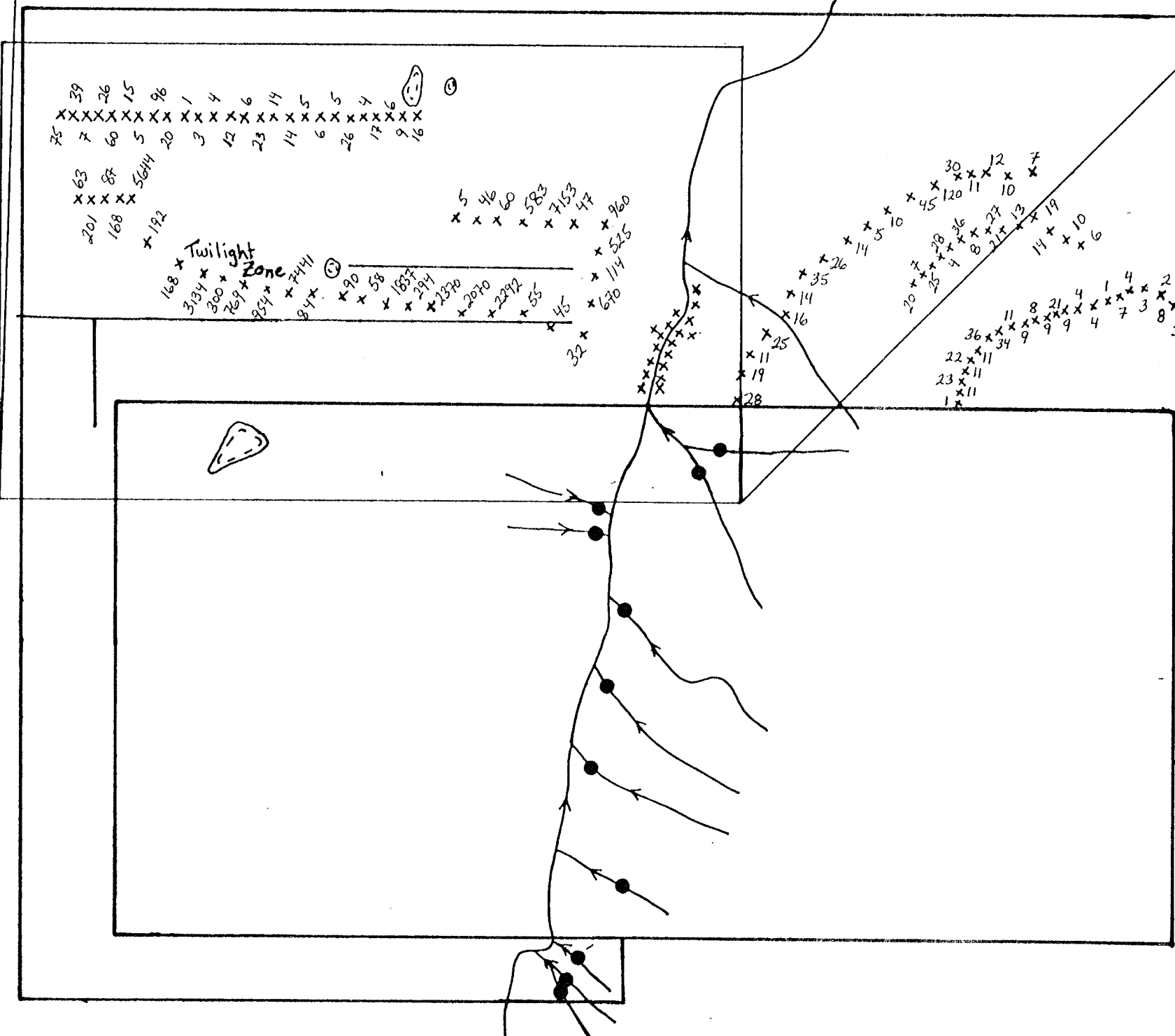
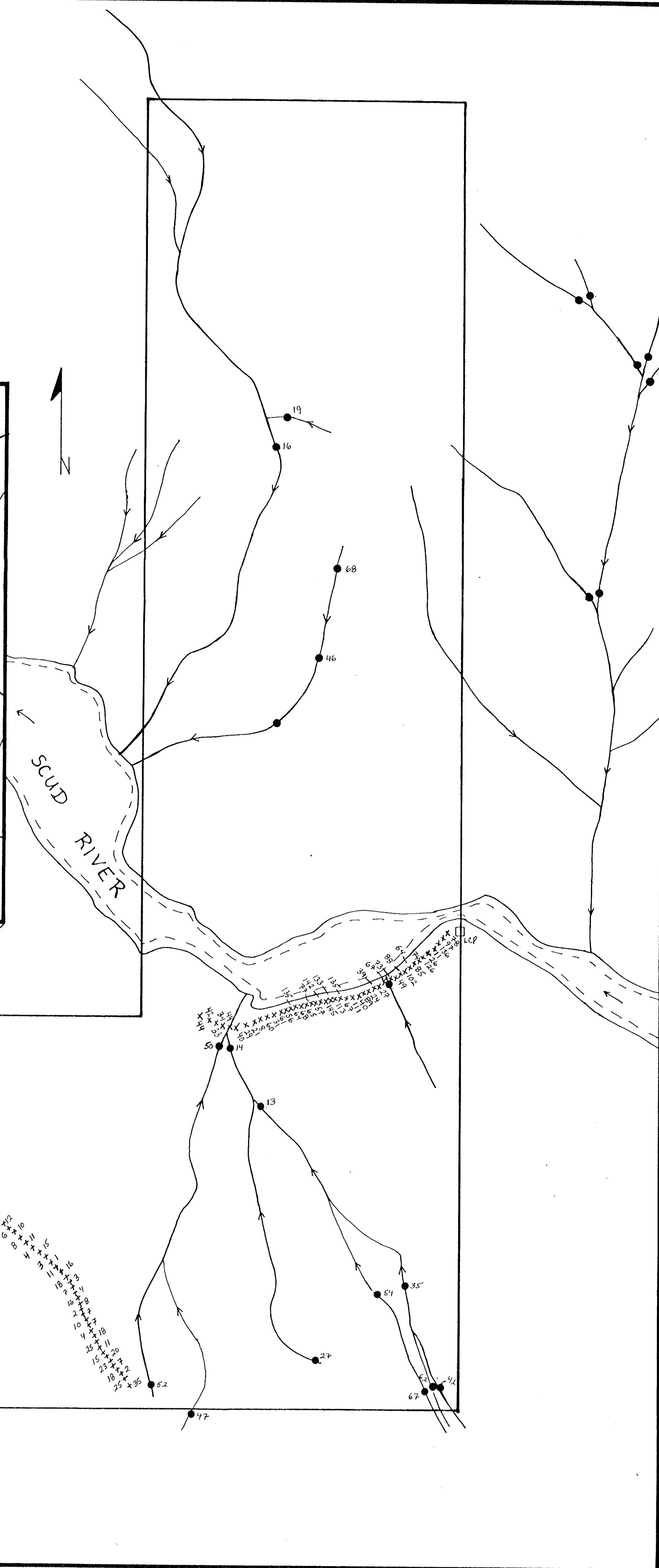
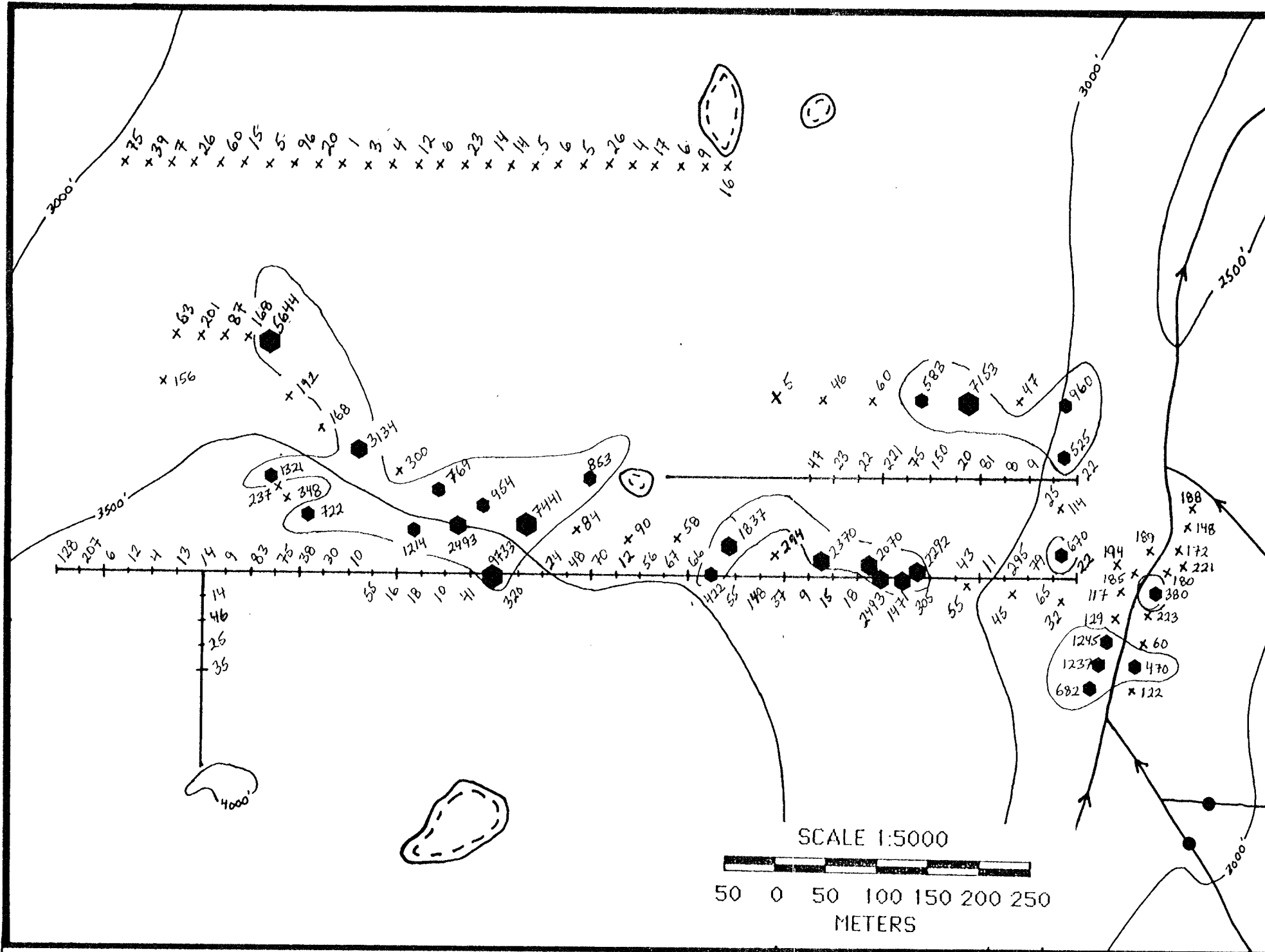
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

SCALE 1:10,000

100 0 100 200 300 400 500  
METERS

- x soil sample location
- silt sample location
- threshold 375-1414 ppm
- anomalous 1416-5357 ppm
- strongly anomalous 5358+

21,143



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SCUD PROPERTY  
SOIL and SILT GEOCHEMISTRY

Pb  
LIARD MINING DIVISION

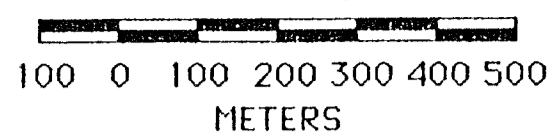
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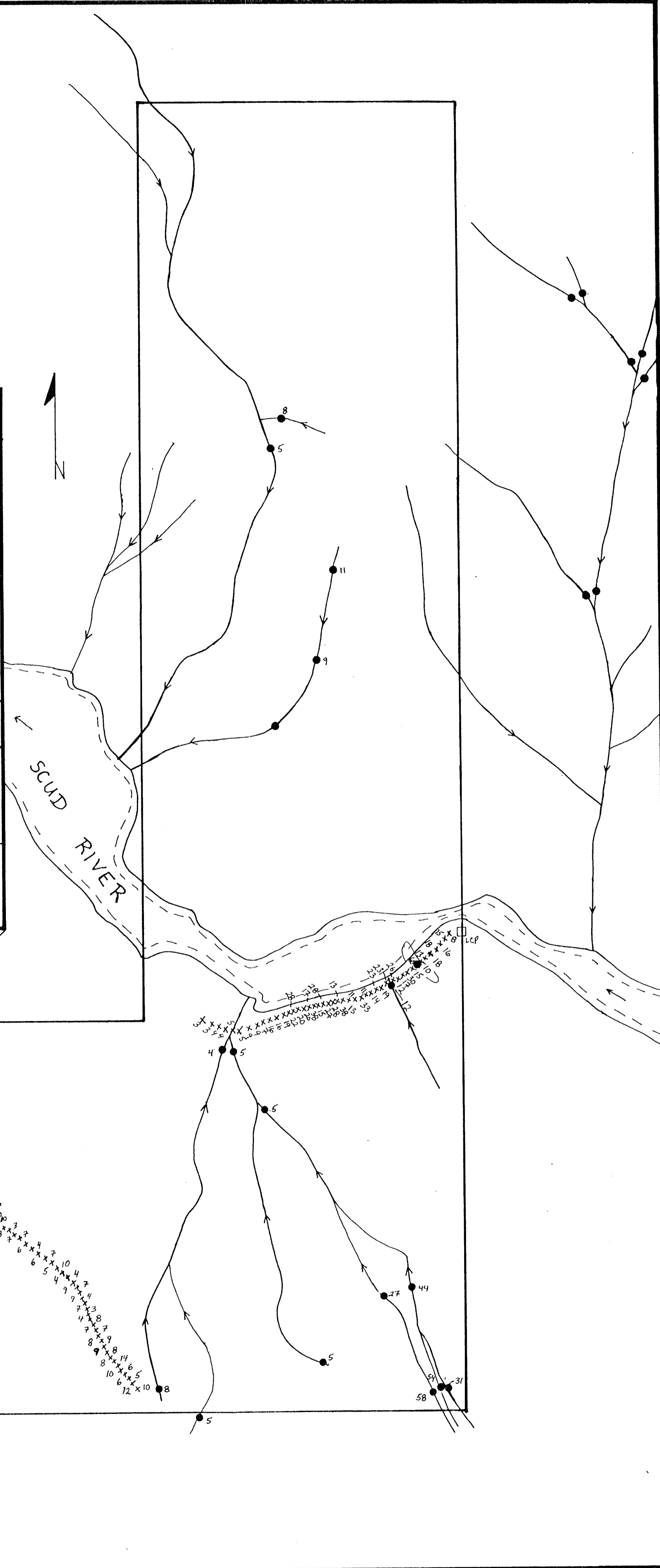
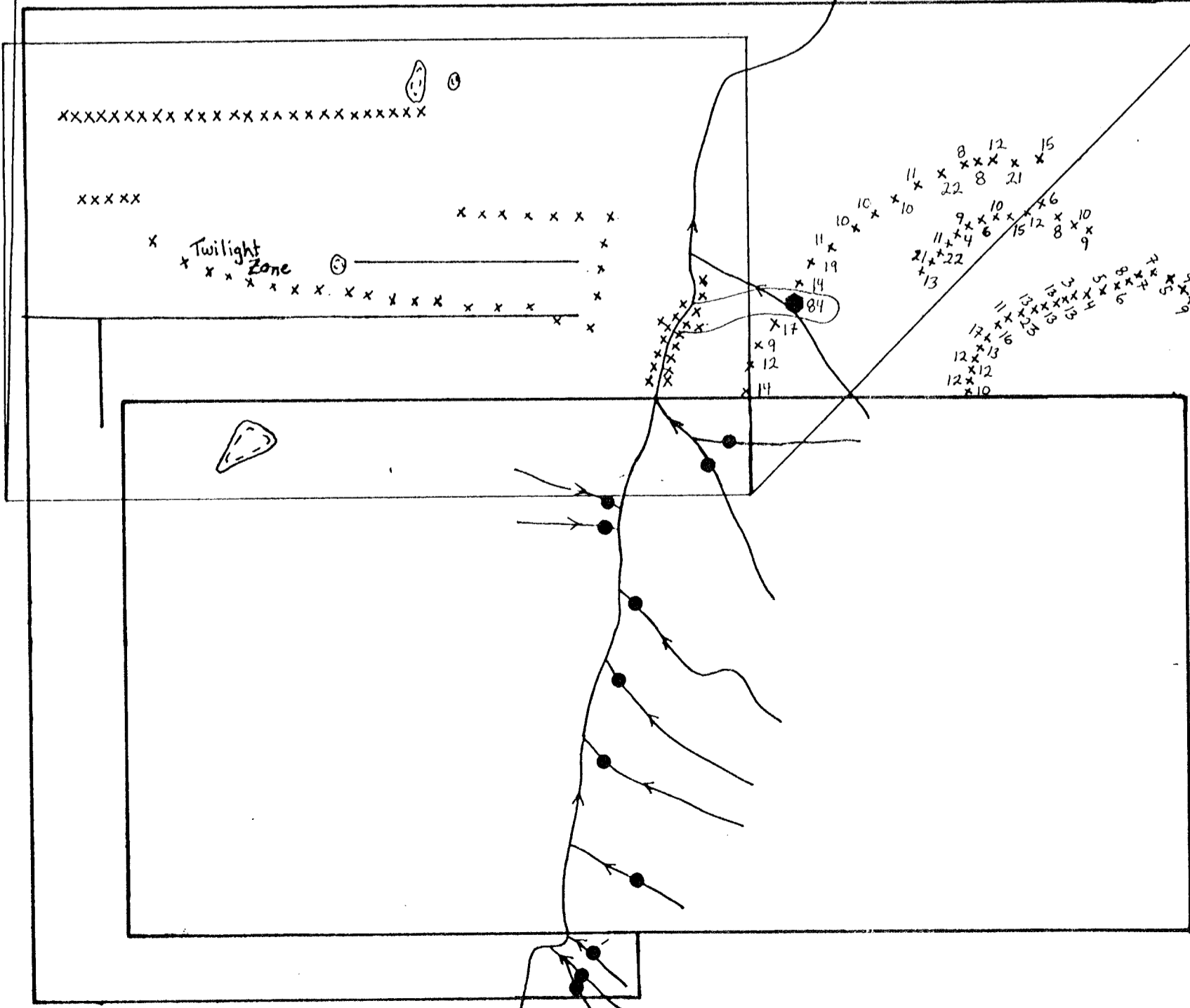
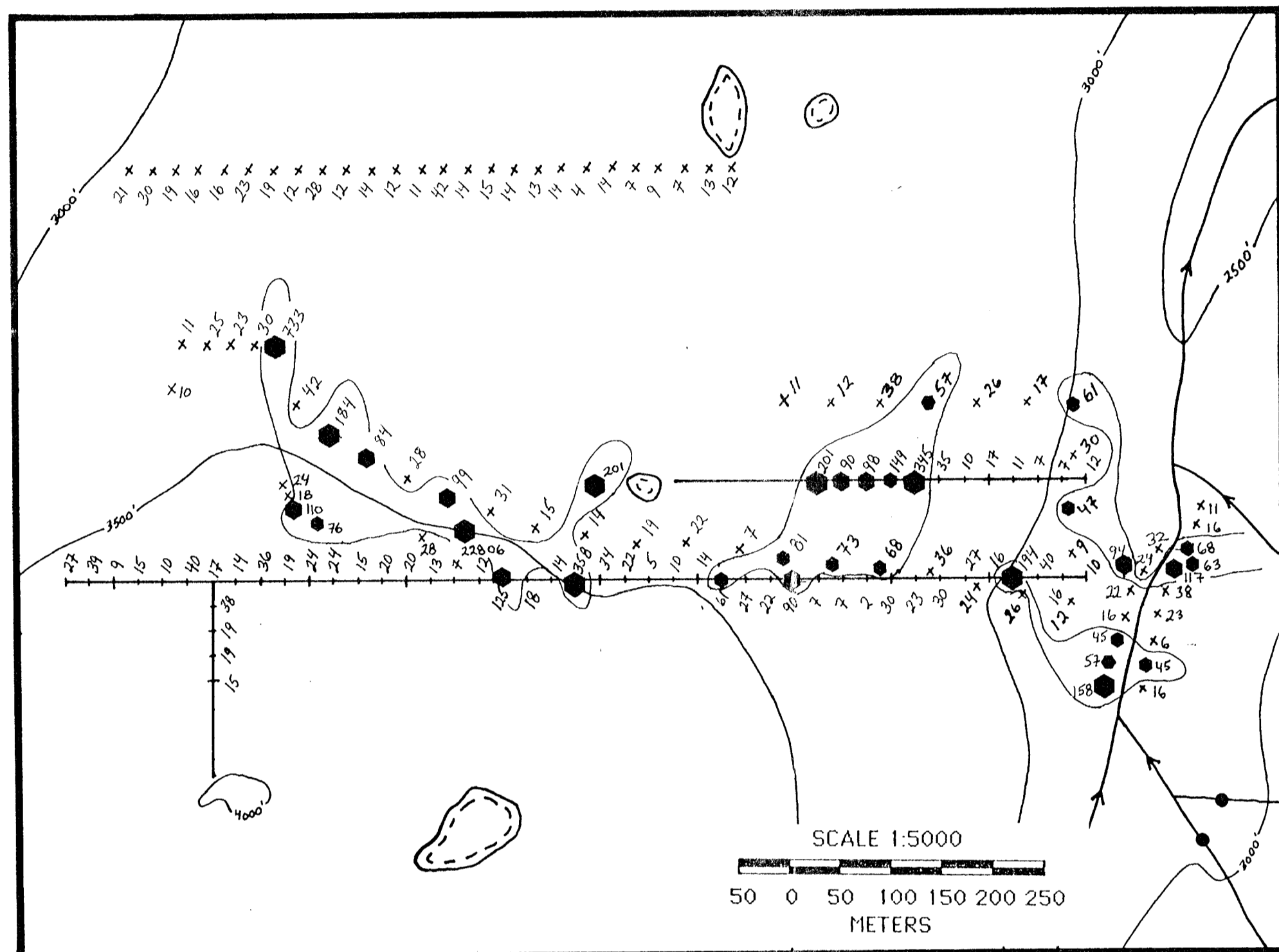
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

21,143

SCALE 1:10,000



- x soil sample location
- silt sample location
- threshold 44-82 ppm
- anomalous 83-153 ppm
- strongly anomalous 154+





SLOCAN DEVELOPMENTS LTD.

SCUD PROPERTY  
SOIL and SILT GEOCHEMISTRY  
Zn

LIARD MINING DIVISION

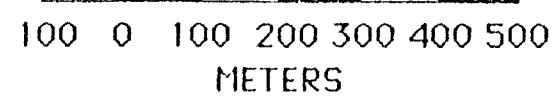
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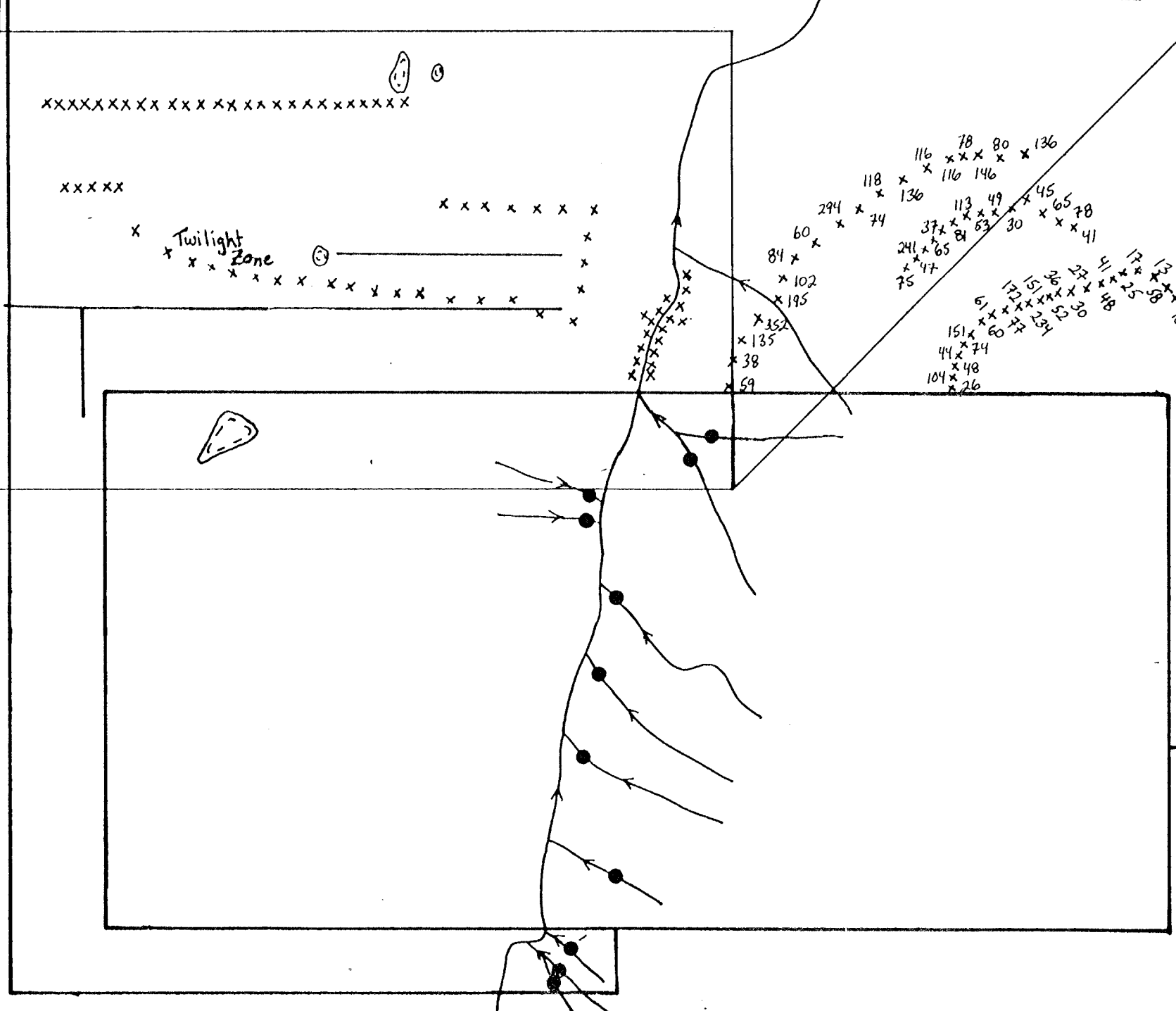
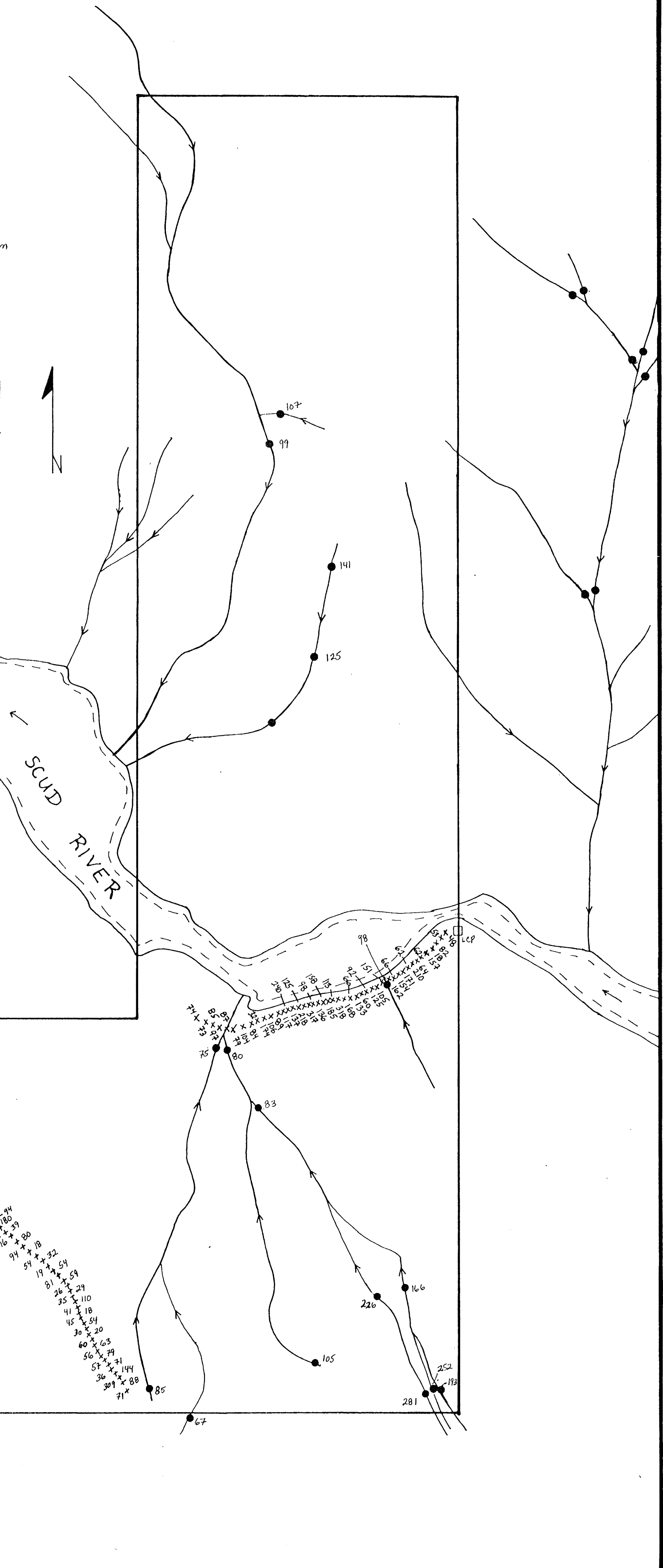
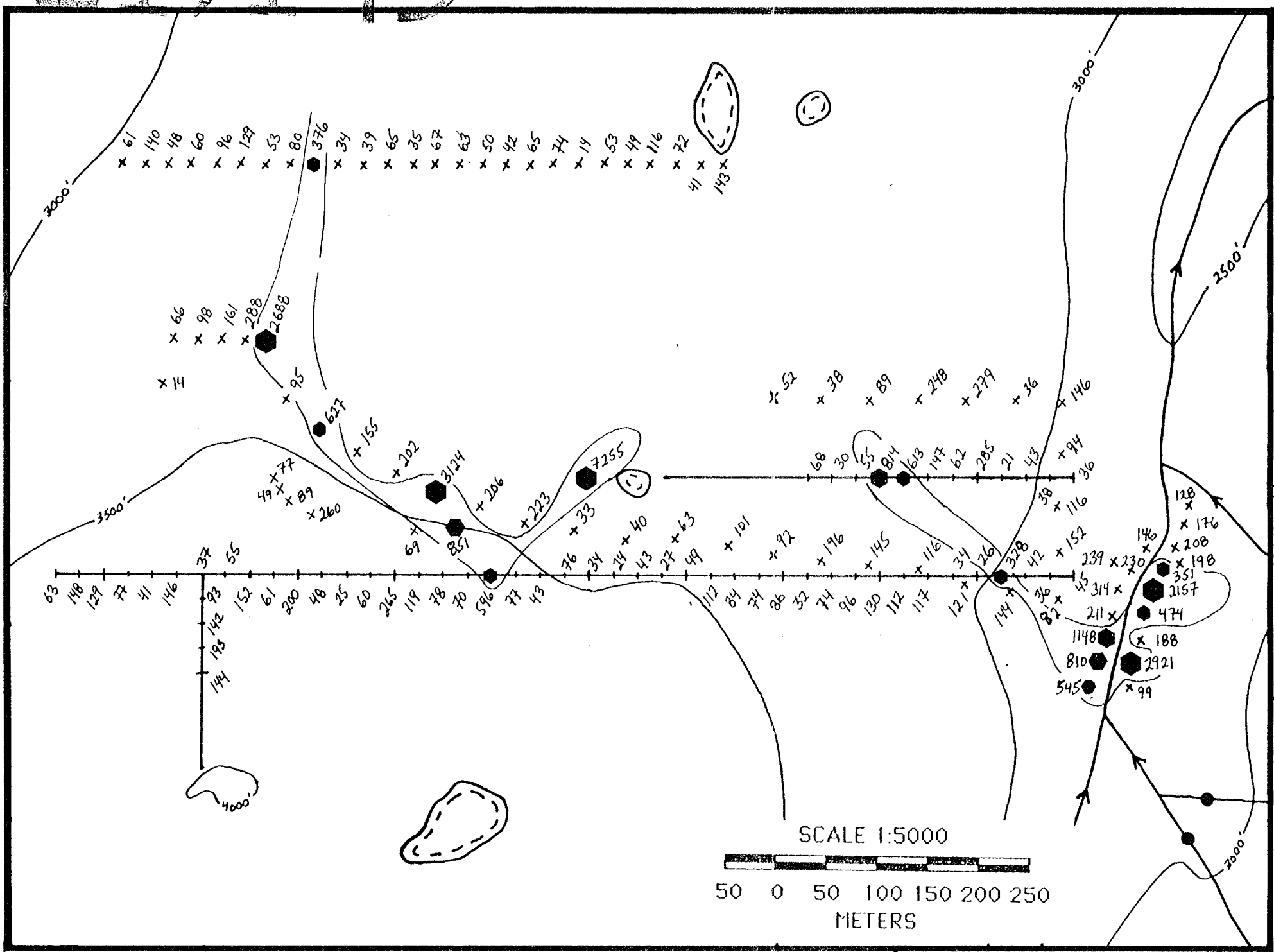
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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SCALE 1:10,000



- x soil sample location
- silt sample location
- threshold 328-658 ppm
- anomalous 659-1320 ppm
- strongly anomalous > 1321 ppm



SLOCAN DEVELOPMENTS LTD.

SCUD PROPERTY  
SOIL and SILT GEOCHEMISTRY

Mo

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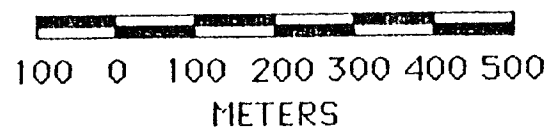
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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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SCALE 1:10,000



- x sample location - soil    ● sample location - silt
- threshold 9 - 21 ppm
- ⊕ anomalous 22-47 ppm
- ⊞ strongly anomalous ≥48 ppm

