The Regional Manager Mineral Rights
SEP 22 1983
Yukon Territory

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

REPORT OF WORK PERFORMED

DURING JUNE AND JULY OF 1983

ON THE

BEAV 1 TO 180 CLAIMS

Watson Lake Mining District

95 C/5W, 95 C/12W map sheets

60°29'N latitude, 125°50'W longitude

by
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Vancouver, B.C.

091486

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 81,000

Kathryn Grapes

for Chief Mining Engineer

for Commissioner
of Yukon Territory.

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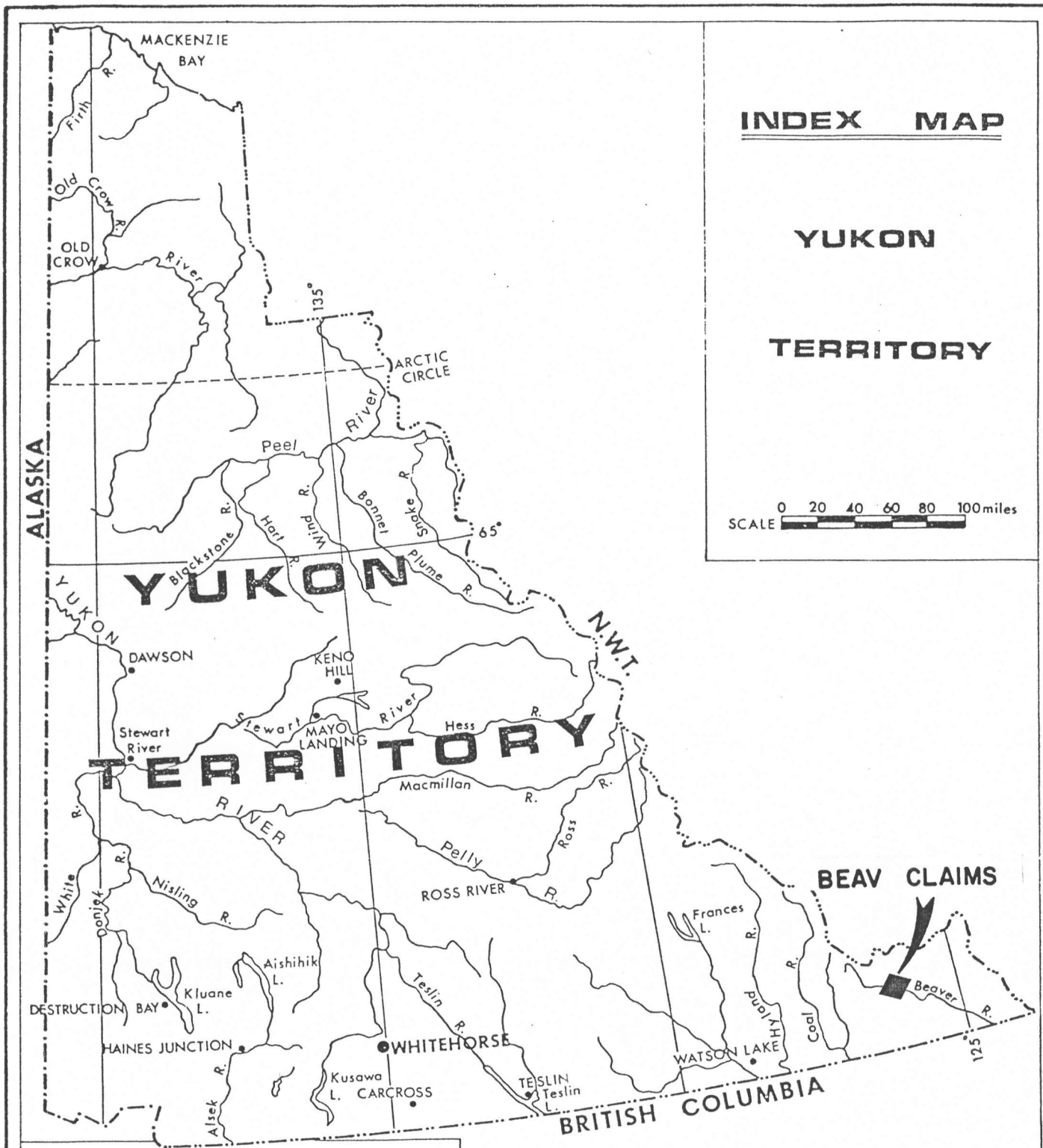
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#11	Silver Geochemistry Sheet 3
#12	Silver Geochemistry Sheet 4
#13	Geophysical Loop Array and Interpretation



BEAV CLAIMS LOCATION MAP

FIGURE – 1.1

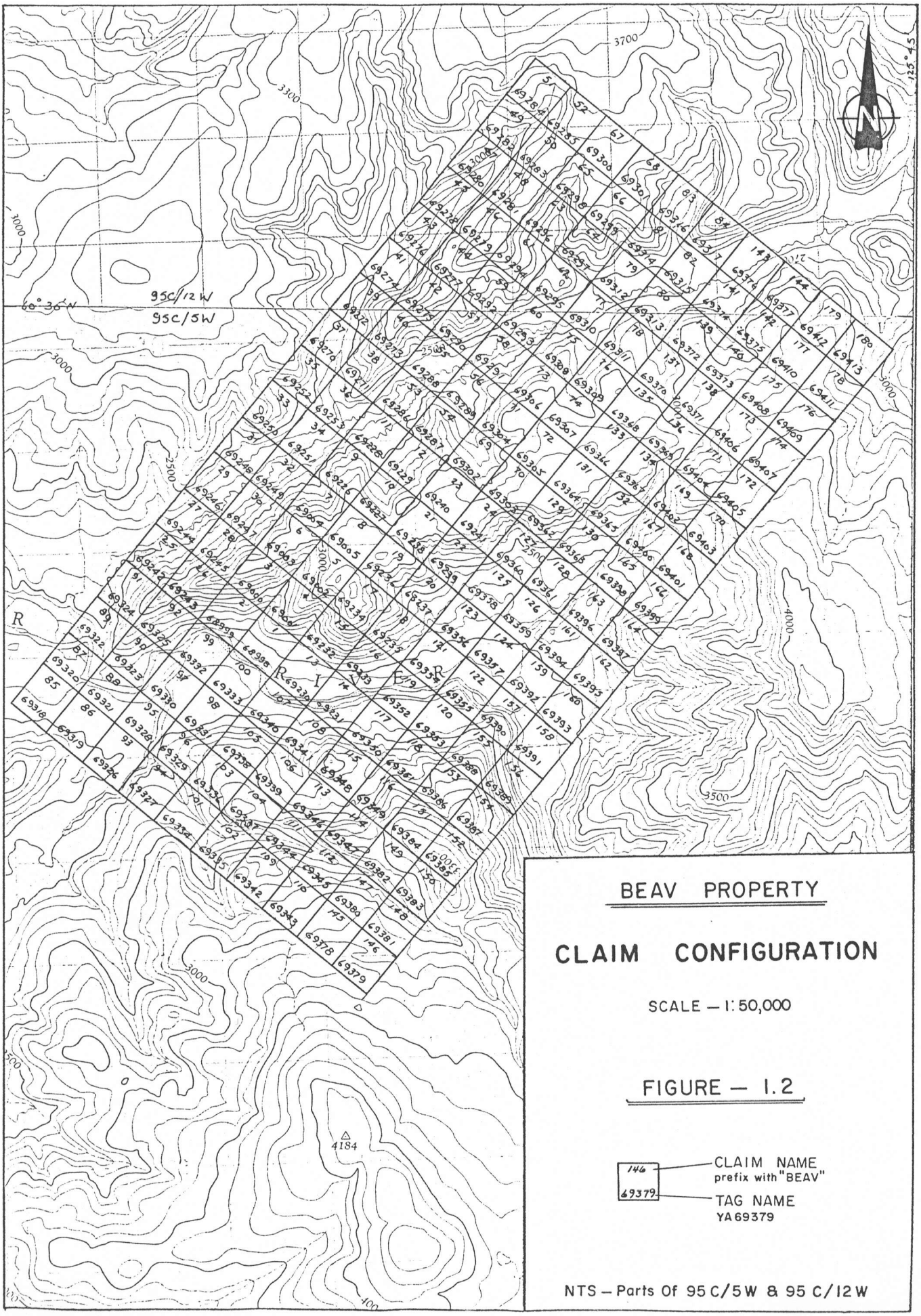
1.3 Claim Configuration

Figure 1.2 shows a sketch of the claim configuration with the claim names included. A total of 180 claims are currently held by Utah Mines Ltd. with record numbers as follows:

BEAV 1 to 8	YA68998 to YA69005
BEAV 9 to 36	YA69226 to YA69253
BEAV 37 to 180	YA69270 to YA69413

These claims were recorded in September, October and November, 1982 following a regional exploration program.

The 1982/1983 Beav Claims program was financed and performed by Utah Mines Ltd. of Vancouver, B.C. The geological and geochemical work completed applies to all claims. Geophysical work was performed over claims Beav 1, 4 and 5. Linecutting costs are applied to all claims as the cut lines are used for access and baselines for all of the claims.


95C/12W
95C/5W
60°30'N
125°45'
3700
3300
3000
2500
3500
4000
4184
BEAV PROPERTY
CLAIM CONFIGURATION
SCALE – 1:50,000
FIGURE – 1.2
146
69379
CLAIM NAME
prefix with "BEAV"
TAG NAME
YA69379
NTS – Parts Of 95C/5W & 95C/12W

2. GEOLOGY

2.1 Regional Geology

The Beav claim group lies along the eastern margin of the Selwyn Basin near the facies boundary between platformal carbonate rocks and basinal shales.

In the western part of the 95 C map area the formations are older, and have been laid down in deep water, as evidenced by the Ordivican to Silurian shales. The eastern part of the mapsheet contains Mississippian to Cretaceous limestones and coarse clastic units. Several Tertiary trachyte plugs can be found near the Beaver River, east of the claim group. Two small Cretaceous syenite stocks are present both south and north of the Beaver River in the vicinity of the claim group.

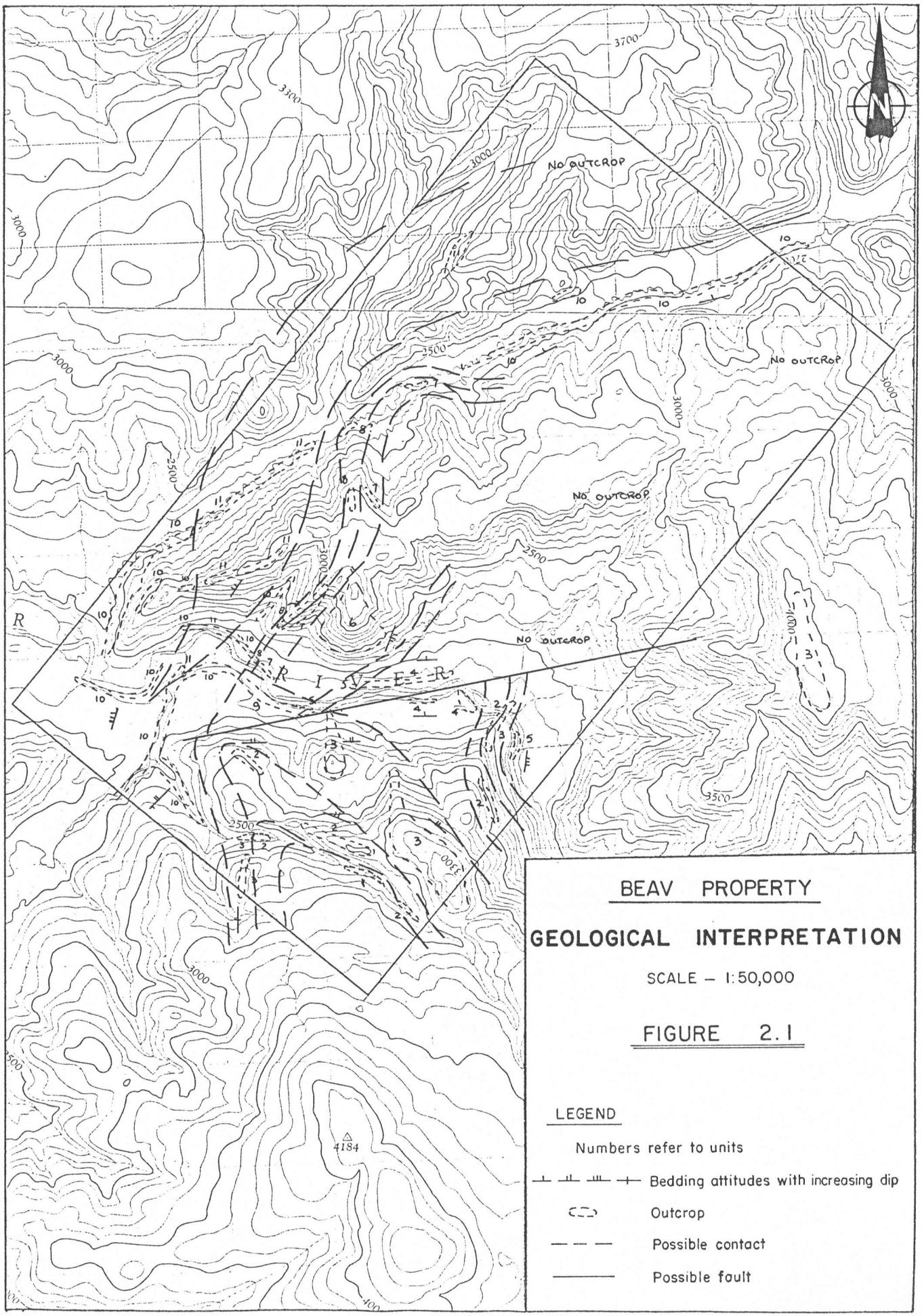
As the area is physiographically equivalent to the front ranges of the Rocky Mountains, similar structures can be interpreted from aerophotographs and groundwork. Structurally, the La Biche mapsheet is made up of numerous thrust faults with the upper plates moving both easterly and westerly with associated broad synforms and antiforms. Several large scale normal and lateral faults are present with the largest, the Beaver River Fault disecting the Beav Claims.

Bedding attitudes throughout the map area are north trending.

2.2 Local Geology

The entire property was mapped during June and July, 1983. Many problems were encountered in finding rock exposure because of the thick undergrowth and deadfall. Most of the outcrop was found along major creeks and along some of the ridges but finding small areas of outcrop on hillsides from the ground was extremely difficult. Total exposure is estimated to be approximately 10%.

The study area is underlain by sediments of Upper Silurian to mid-Devonian and possibly younger ages. Several fossil localities were discovered in the map area and are marked on the geology maps in the back of this report. Lithologies include a wide range of sedimentary types from fine-grained mudrocks to a cobble conglomerate. The rocks are variable in their carbonate content with calcareous, non-calcareous and dolomitic assemblages.

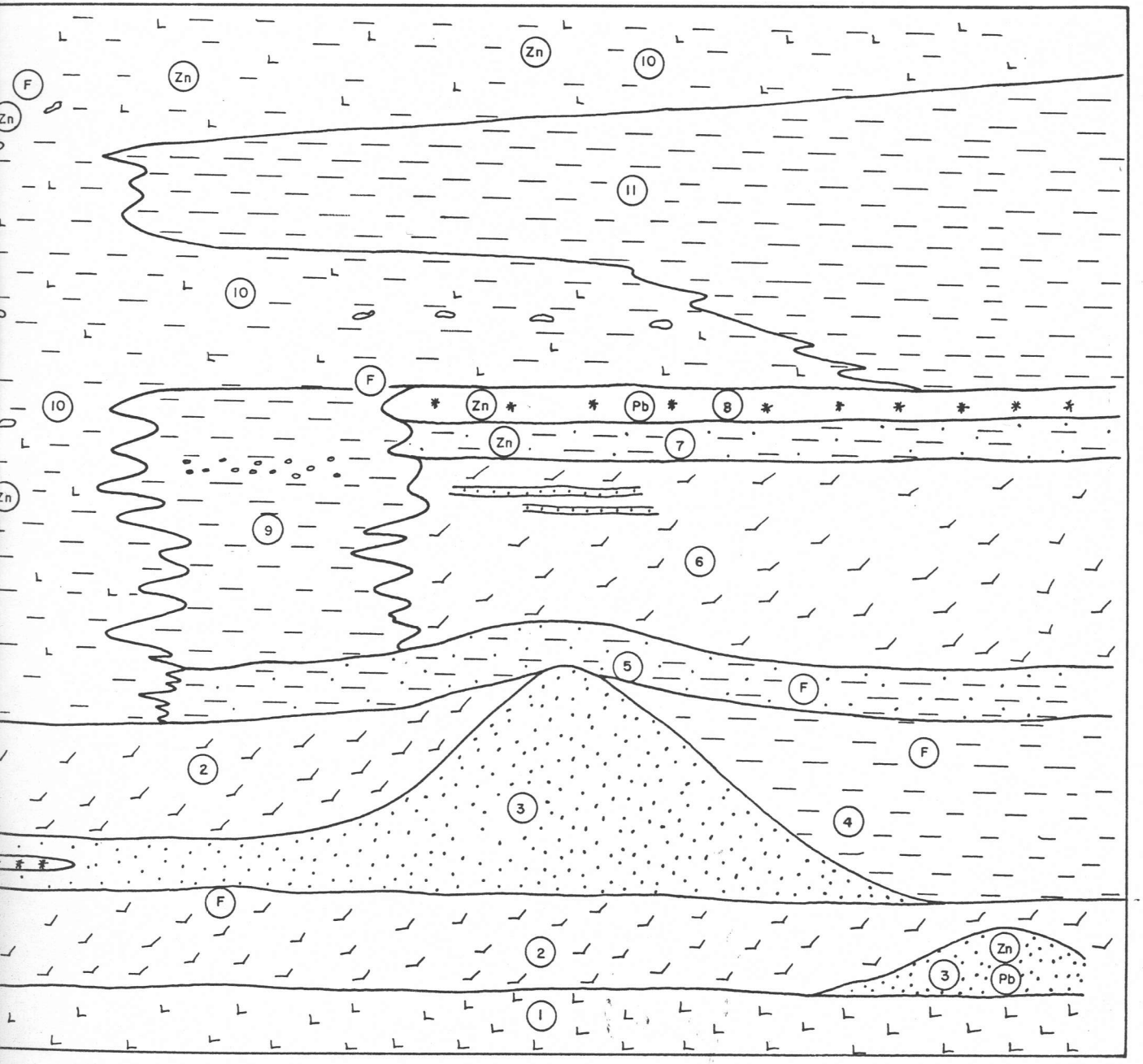

N
NO OUTCROP
NO OUTCROP
NO OUTCROP
NO OUTCROP
RIVER
4184
BEAV PROPERTY
GEOLOGICAL INTERPRETATION
SCALE – 1:50,000
FIGURE 2.1
LEGEND
Numbers refer to units
Bedding attitudes with increasing dip
Outcrop
Possible contact
Possible fault

BEAV PROPERTY

FIGURE - 2.2

THEORETICAL STRATIGRAPHIC COLUMN

Vertical Scale - 1:10,000
Horizontal Scale - not to scale



11	Black Shale
10	Interbedded Limestone and Shale
9	Hard argillaceous black Shale
8	Siliceous Dolostone Porcellenite
7	Interbedded Mudstone, Shale and Chert
6	Grey weathering Dolostone
5	Light brown Siltstone
4	Platy Shale
3	Quartzite
2	Grey weathering Dolostone
1	Grey massive Limestone
Zn / Pb	High Metal Locations
F	Fossil Locations
	Nodules
	Concretions
	Fault and/or Facies Change

Because of the poor exposure and local variations associated with the sediments it is difficult to divide the rocks into definitive units. Faulting, folding and facies changes also make the task of interpreting the geology difficult and will require further mapping and interpretation to obtain a clear picture of the property geology. The following stratigraphic column and unit descriptions must be treated as a preliminary interpretation.

Numbered units in the following descriptions are listed in chronological order and refer to Figure 2.2. This is a stratigraphic chronology as all units in the area appear to be Upper Silurian to Lower Devonian in age. Figure 2.1 shows the approximate locations of the individual units in plan. The bracketed numbers following the unit names are approximate thicknesses.

UNIT 1 - LIMESTONE (+70m)

This, the oldest rock type found to date, is a grey to tan weathering, massive finely crystalline grey limestone. The unit is non-fossiliferous.

UNIT 2 - DOLOSTONE (160m)

A light to dark grey weathering dolostone, this unit is locally fossiliferous with crinoid stems and rugose coral parts. The rock, in places, exhibits fine colour and grain size banding. In several localities, non-dolomitic interbeds of quartz-rich sandstone up to several centimeters in thickness were observed. Fissility varies throughout the mapped outcrop, ranging from massive to shaley.

UNIT 3 - QUARTZITE (Maximum 385m)

The ridge forming medium-grained ortho-quartzite is in most places a massive, white quartz rock with cross and graded bedding. It is believed that this unit thins and thickens abruptly as do sands that form present day barrier bars. There are several locations on the property where the quartzite is seen to thin and form interbeds within Unit 2. The small scale cross-bedding observed gives a current direction towards 025^{o}.

UNIT 4 - PLATEY SHALE (250m)

This unit consists of a black, silty shale with variable carbon and silica contents. Where the shale contains a high percentage of silica

the fissility is decreased and the rock parts to form large plates. Conversly, the high carbon shale tends to crumble or break into small fragments. The silica content seems to increase towards the top of the unit.

The rock is generally graptolitic with abundant Monograpus (Silurian-Devonian) and the occasional Cyrtograptus (upper Silurian).

This unit may be time equivalent to the upper portion of Unit 2.

UNIT 5 - SILTSTONE (75m)

Unit 5 is gradational from Unit 4. This is a light brown, highly friable, and in parts fissile, fine-grained siltstone. It has a high carbonate content and hosts chert concretions and small lenses up to 50 cm in diameter. As with the underlying shale, the silica content of the siltstone is variable. The unit is noteable for the fine colour banding present.

UNIT 6 - DOLOSTONE (270m)

This rock is a ridge forming light to dark grey dolostone which appears to rest unconformably above Unit 5. The rock is hard, medium-grained, pseudo-crystalline and is, for the most part finely banded.

Several white quartzite beds can be observed towards the western edge (or upper portion) of the outcrop. It is possible that this dolostone is actually a fault slice of unit 2 but no direct evidence to support this theory has been found.

Some patches of broken fossil remains, probably crinoid parts can be seen on the outcrop but dating of these would be very difficult.

UNIT 7 - MUDSTONE (65m)

The term mudstone has been used to describe a complex series of thin (25 cm) interbedded sediments. These beds are composed of fissile siltstone, mudstone, shale, dolostone and chert. There does not appear to be any rhythm to the various strata types. Most of the outcrop is slightly dolomitic and zinc-rich. The rock weathers to a light to medium brown colour and is a light grey when a fresh surface is exposed.

This unit does not appear to extend across the Beaver River but it is not known whether this is because of a fault or because of a facies change.

UNIT 8 - SILICEOUS DOLOSTONE (50m)

Unit 8 may also be termed a porcellenite. This rock is an extremely hard, fine-grained, black dolostone with a sub-conchoidal fracture. The silica content and thus the hardness increases upslope from the outcrop along the Beaver River. Also increasing upslope is the number and thickness of black chert lenses and interbeds which are found with equal frequency throughout the section.

Quartz-calcite veinlets averaging 2mm in width can be found throughout the whole outcrop at a frequency of approximately 15 per meter. These veinlets trend both parallel and perpendicular to bedding. Occasionally, the veinlets are zinc and/or lead-rich but only rarely can 1 mm specs of sphalerite be seen.

In polished sections of the siliceous dolostone fine-grained sphalerite can be found scattered throughout. No galena was found in any outcrop within the anomalous zone.

As with units 6 and 7 the anomalous dolostone ends at the Beaver River either due to a facies change or fault.

Directly above the porcellenite in section, a thin, 2m, bed of crinoidal dolostone was mapped. This rock is made up of crinoids, corals, bryozoa and rarely brachiopods. Samples of this rock will be sent to the GSC for age identification.

UNIT 9 - SHALE (300m)

This unit consists of a hard argillaceous and fissile black shale. Some 25 cm concretions can be found scattered throughout the outcrops. The shale is thick bedded with individual beds observable because of a change in silica content. Each bed is approximately 1m thick.

Unit 9 may be time equivalent to units 6, 7 and 8 depending on whether the rock type changes that can be observed across the Beaver River are caused by faulting or indicate a facies change. Further and more detailed mapping will be required to determine why the rock types change so drastically.

UNIT 10 - INTERBEDDED LIMESTONE AND SHALE (+1300m)

Unit 10 is an extremely thick sequence of interbedded black, argillaceous, thick bedded limestones and thinner bedded black calcareous shales. This unit is in some places slightly dolomitic and in other localities contains thin black chert bands. Several locations host large, up to 2m, concretions. Much of the observed outcrop has a hydrozincite coating.

It is possible that this unit may be subdivided further but much more careful study would be required. Any more subdivisions would be purely subjective as the compositional changes seen so far are gradational.

This is probably the youngest rock type on the claim block and may represent a facies change from the older units. As with unit 9 it is difficult to determine from the present mapping whether the abrupt rock type change is due to a facies change or a fault.

Along the Beaver River on the western edge of the claim block several locations host Silurian-Devonian fossils including Monograptus and an unidentified fossil. The unidentified fossils average 5mm in length, have an orthoconic shell with a central siphuncle. This is probably an early Nautilold of either upper Silurian or Devonian age.

UNIT 11 - BLACK SHALE (+500m)

This is a standard nondescript, fine-grained, fissile black shale which interfingers into Unit 10 towards the south and seems to thicken appreciably to the north. The age of this rock is probably Devonian because of its position in the stratigraphic column.

Structurally, the area is quite complex. Inspection of aerophotographs covering the area shows many linements cutting across the property. These are difficult to see when on the ground. Accompanying the faulting is a series of open anticline-syncline pairs. These vary in dimension but most appear to have a north to northeast trending axis with a northerly plunge. The folds observed on the property are probably dependant minor folds associated with a larger structure. This is the likely case as when all bedding measurements are plotted on a stereonet the poles to bedding trace a great circle with the pole suggesting a fold axis with a plunge of 22^{o} towards the south.

2.3 Mineralization

Two seasons of prospecting and mapping has not uncovered any significant mineralization. Some rock types do contain extremely high concentrations of zinc, mainly the Unit 10 interbedded limestone and shale but no sulphides have been seen within this unit.

Only on three areas of the claim group has some mineralization been discovered. Along the Beaver River at the extreme southeast corner of the claims a white quartzite (Unit 3) hosts minor amounts of sphalerite and galena along a number of open fractures that are perpenducular to the bedding. The siliceous dolomite (Unit 8) contains scattered concentrations of microscopic sphalerite as well as visible sphalerite associated with some of the numerous quartz-carbonate veinlets that crosscut the unit.

2.4 Interpretation

In summary, the Beav claim group covers a sequence of Silurian to Devonian age shallow to deep water marine sediments. The units represent two periods of regression with the first period culminating with extremely shallow water, resulting in the formation of the Unit 3 quartzites. Transgression and changes in sediment influx gave rise to the other units in the area. The preliminary geological mapping which has been completed is not detailed enough to give a true and accurate depositional history.

The most important unit is the porcellenite or cherty dolomite (Unit 8). Whether the high silica content is diagenetic or synsedimentary is not known but the black chert bands within this unit seems to point to the latter.

One of the main areas for further study is the suspected facies changes or faults along the Beaver River and along the ridge to the south. As there is no outcrop between Unit 3 and Unit 10 it will be difficult to determine why the rock type changes so abruptly.

1. INTRODUCTION

The following report is a combined geological, geochemical and geophysical summary on work completed on the BEAV 1 to 180 claims during 1982 and 1983. In addition to the above technical work, approximately 14.5 kilometers of linecutting was carried out to facilitate groundwork.

1.1 Location and Access

The Beav claims, which cover map sheets 95 C/5 and 95 C/12, straddle the Beaver River in southeastern Yukon Territories, within the Watson Lake Mining District. Centerpoint, for the claim block, lies at approximately 60°28.7'N latitude and 125°49.5'W longitude.

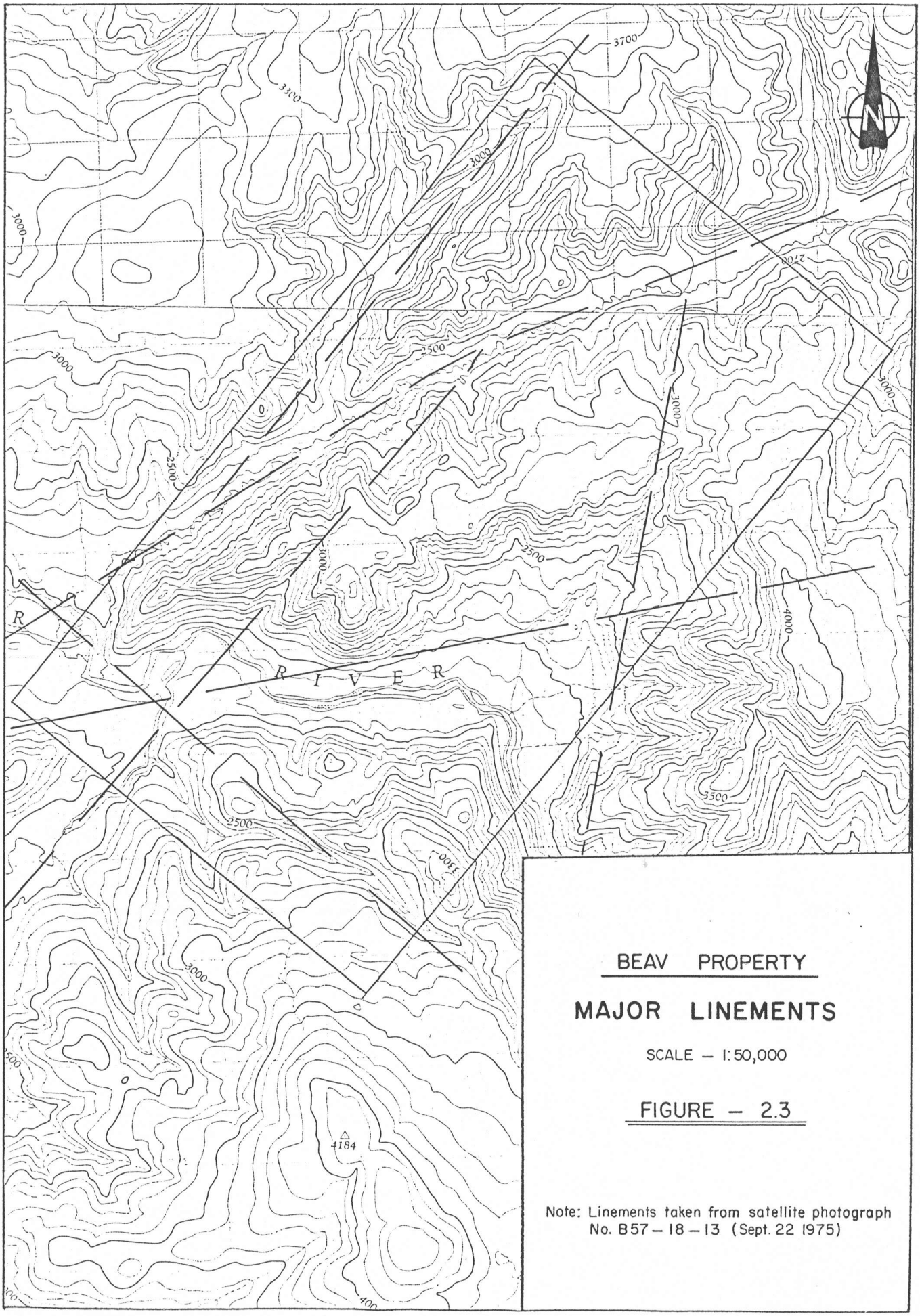
The nearest supply center to the property is Watson Lake, approximately 170 km WSW. Access from this point requires either a floatplane to North Tobally Lake and then helicopter or a helicopter from Watson Lake to the claim group. The nearest serviceable airstrip is at Smith River, 80 km south-southwest.

Figure 1.1 shows the location of the Beav Claims.

1.2 Vegetation and Topography

Topography in the area has been formed by the downcutting of the Beaver River and its tributaries through a 1000 m high plateau. The Beaver River itself is 500m in elevation and has been ice-damed at one time to form lacustrain bench deposits at a constant 600m elevation. Slopes from the Beaver River Valley to the plateau are typically 35 to 45 degrees.

The entire area was, at one time, thickly forested with cottonwood and birch along the Beaver River and large evergreen on the slopes. This region was burned approximately twenty years ago when all but the river and the plateau vegetation was destroyed. The slopes now are a tangle of deadfall, young willows and three meter high, close-spaced pine trees.



BEAV PROPERTY

MAJOR LINEMENTS

SCALE – 1:50,000

FIGURE – 2.3

Note: Linements taken from satellite photograph No. B57 – 18 – 13 (Sept. 22 1975)

3. GEOCHEMISTRY

3.1 Sampling Techniques

3.1.1 Soil Sampling

Soil sampling was carried out on two separate occasions. In September, 1982 a 200m x 50m grid was established and soil samples were collected at each station. This grid covered claims Beav 1, Beav 4 and Beav 5. During the summer of 1983 a 200m x 50m grid was established using hip chain and compass to cover the entire claim group and samples were taken at each station. This work was contracted out to McCrory Holdings Ltd. of Whitehorse, Y.T. In order to reduce some of the analytical cost, every second sample was sent for analysis. This effectively gave a 200m x 100m geochemical grid. Some of the stored samples taken will be analysed this winter to close the spacing within anomalous areas.

At each sample station, the samplers dug down to the B horizon if it was present. If no B horizon was encountered then the samplers were instructed to try to obtain a C horizon sample. Approximately one half of a standard Kraft envelope was filled with the appropriate soil and sealed. In the field, the samplers noted the horizon, colour, consistancy, topographic slope and depth of sample for each location. In camp, the samples obtained were dried, boxed and sent to Chemex Labs to be analysed for lead, zinc and silver.

When the samples reached the lab they were dried and seived through a -80 mesh screen. The resulting fines were digested in perchloric-nitric acid and aspirated into an atomic adsorption flame. The results obtained are reported in parts per million.

The soil sample results can be found in Appendix I and plotted on geochemical maps in the back pocket of this report.

3.1.2 Rock Sampling

In addition to rock samples that were collected while mapping, a series of rock chip samples were taken across the main anomalous zone. Four lines of samples were run 200m apart and rock chips were taken every 5m. The grid co-ordinates for the lines are as follows.

Table 3.1

ROCK SAMPLE LINES

110N	102+20E	to	103+30E
108N	101+90E	to	103+10E
106N	101+70E	to	102+85E
104N	101+30E	to	102+55E

The rock chip sampling was carried out by chipping approximately 1 kg of sample from outcrop near or at the station. If there was no outcrop available then fragments were collected from the C horizon in the soil profile. The bags were marked with an identification code and shipped to Chemex Labs in North Vancouver. At the lab, the samples were crushed, pulverized and seived through a -100 mesh screen. The fines were then digested in perchloric-nitric acid and passed through an atomic adsorption flame. Lead, zinc and silver results were reported in parts per million.

The results can be found in Appendix I and plotted in profile as Figure 3.11 in Section 3.3.2.

3.2 Statistical Analysis

As there are few rock samples this section will deal with the soil samples only.

After all the results had been received, the data was input onto a microcomputer tape. This aids in storage, in calculating statitical parameters and in drawing histograms and line profiles.

Two diagrams are included for each element. An arithmetic histogram, and a log-probability plot. From these diagrams and plots the statistical parameters for each element can be determined.

Applying graphical techniques to the data as outlined by Sinclair, 1976, it can be readily seen that each element plots as a straight line. This suggests that lead, zinc and silver in soils over the claims belong to a single population. This is partially because the extremely high values were not considered in the probability calculations. Two methods were used to determine the anomalous values. The first method was to graphically estimate the mean plus one standard deviation and the mean minus one standard deviation. The difference of these two numbers is twice the standard deviation.

The mean plus three standard deviations or threshold is generally lower than the number read directly off of the graph at the 2 1/2% probability point. This number is considered to be the anomalous cut-off.

The following table lists the statistical parameters for each element.

Table 3.2

STATISTICAL PARAMETERS

Element	Mean	SD	Threshold	Anomaly
Lead	12.5 ppm	22.5 ppm	80 ppm	175 ppm
Zinc	240 ppm	250 ppm	990 ppm	1450 ppm
Silver	0.2 ppm	0.3 ppm	1.0 ppm	1.8 ppm

3.3 Interpretation

Anomalous areas are here defined to be those samples with metal values above the thresholds listed in Table 3.2. A priority is given to each anomalous sample or group of anomalous samples. Samples which contain high values of lead, zinc and silver are the highest priority areas and will be given the most attention in the future.

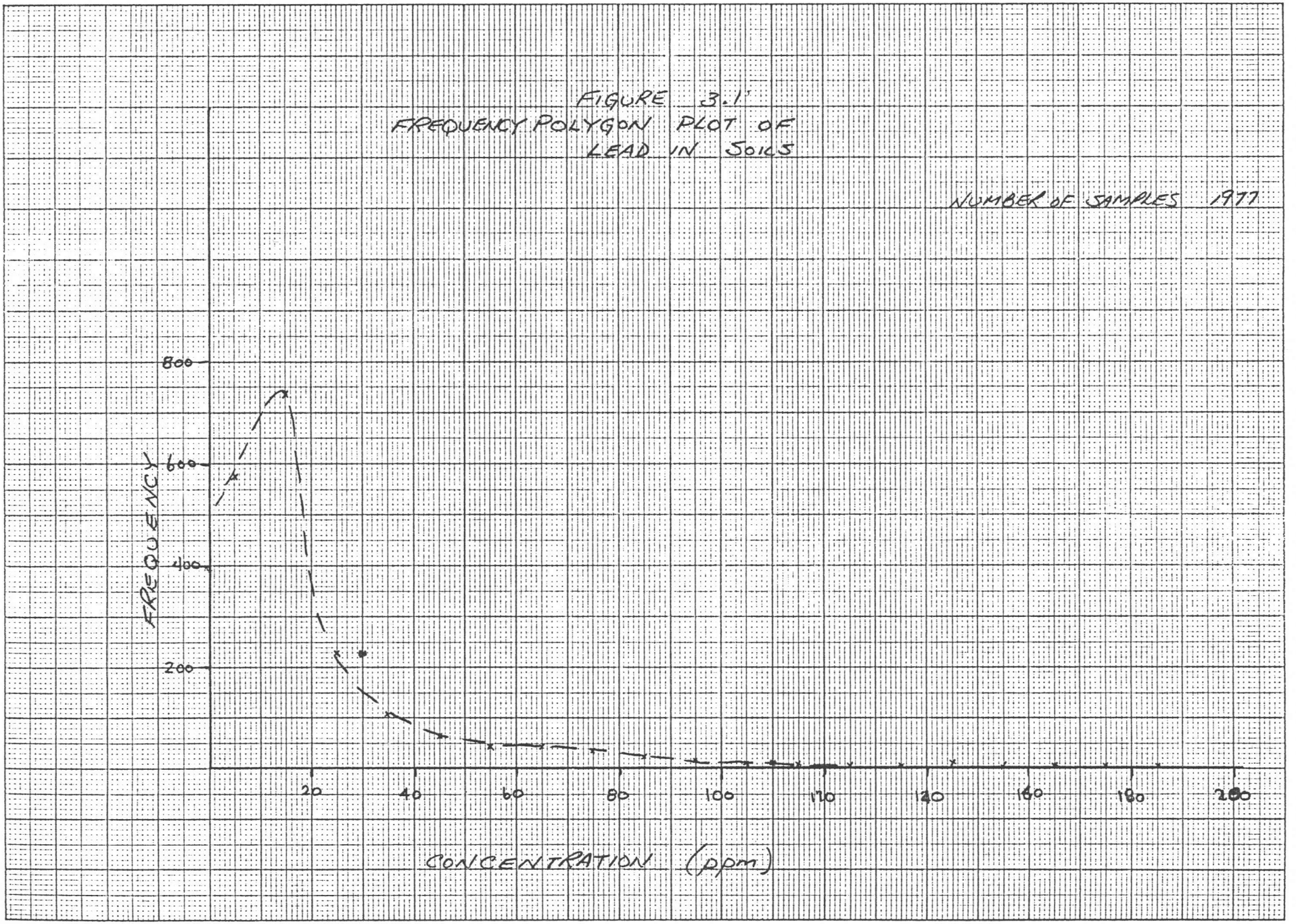
There are two areas that contain samples of high priority. The Main Anomaly includes lines 104N, 106N, 108N and 110N and lies between 100E and 104E. A second high priority area or the North Anomaly lies between lines 132N to 136N with eastings between 92 E to 95E. This anomaly is more subdued than the Main Anomaly but this may be because of either a deeper soil profile or thick overburden. Further work will be carried out in this area.

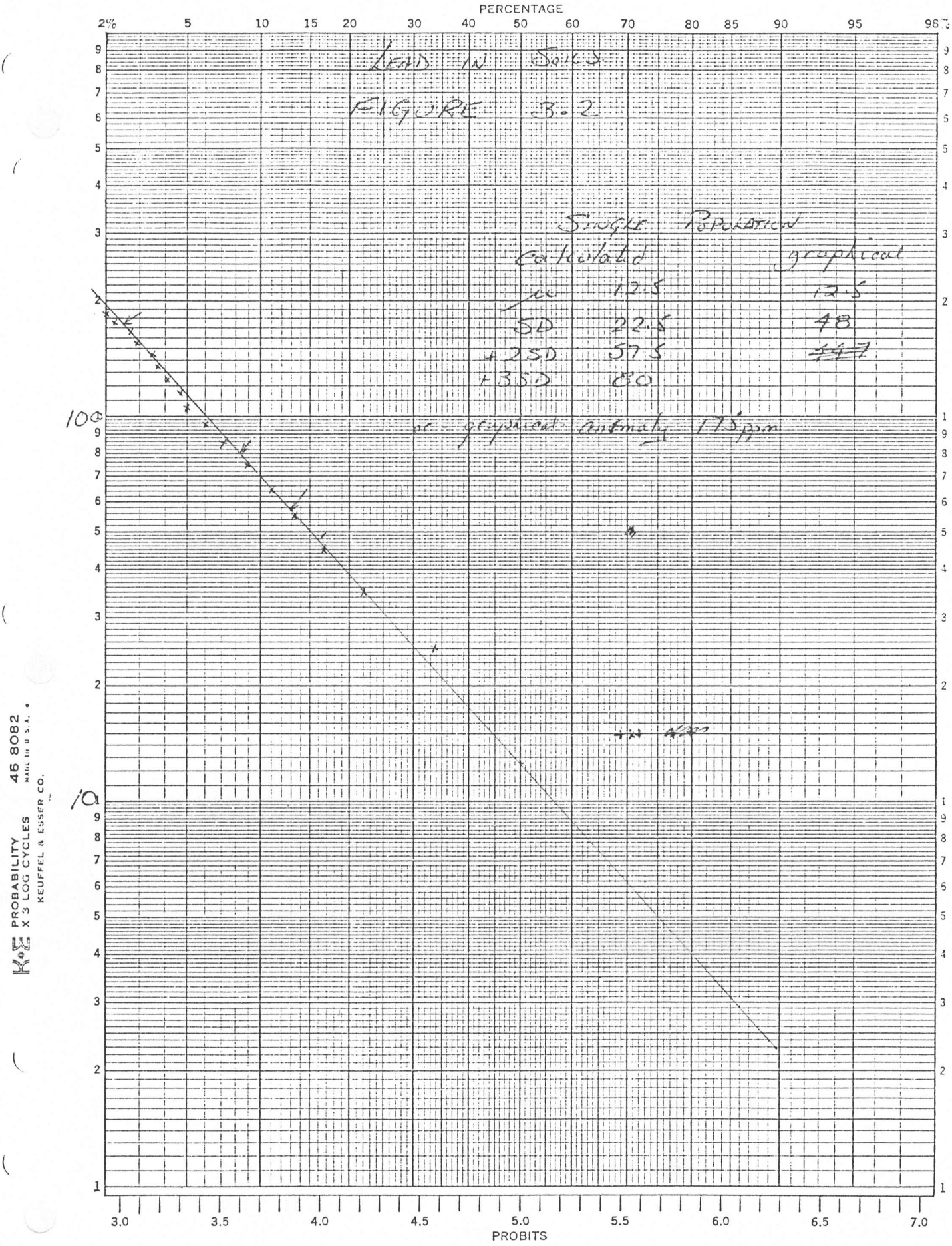
Second priority anomalies include those samples that contain high lead and either zinc or silver. Samples that contain high zinc and silver are also considered to be second priority. There are two such areas on the Beav claims. The South Anomaly covers a large area bounded by 84N to 94N and 112E to 122E. This is mainly a lead anomaly with spot silver and zinc highs. More sampling and geologic mapping will be carried out in this area. Another second priority area is bounded by lines 94N and 102N and 87E and 92E. This is a high zinc and silver region which may contain lead that does not concentrate in the soil. Further sampling and mapping will be done over this area.

66-416d
No. 9 (Millimeters) 18 x 25 CM. Grid.
5 MM. lines Accented, CM. Lines Heavy
PRINTER CO. LTD.

FIGURE 3.1
FREQUENCY POLYGON PLOT OF
LEAD IN SOILS

NUMBER OF SAMPLES 1977

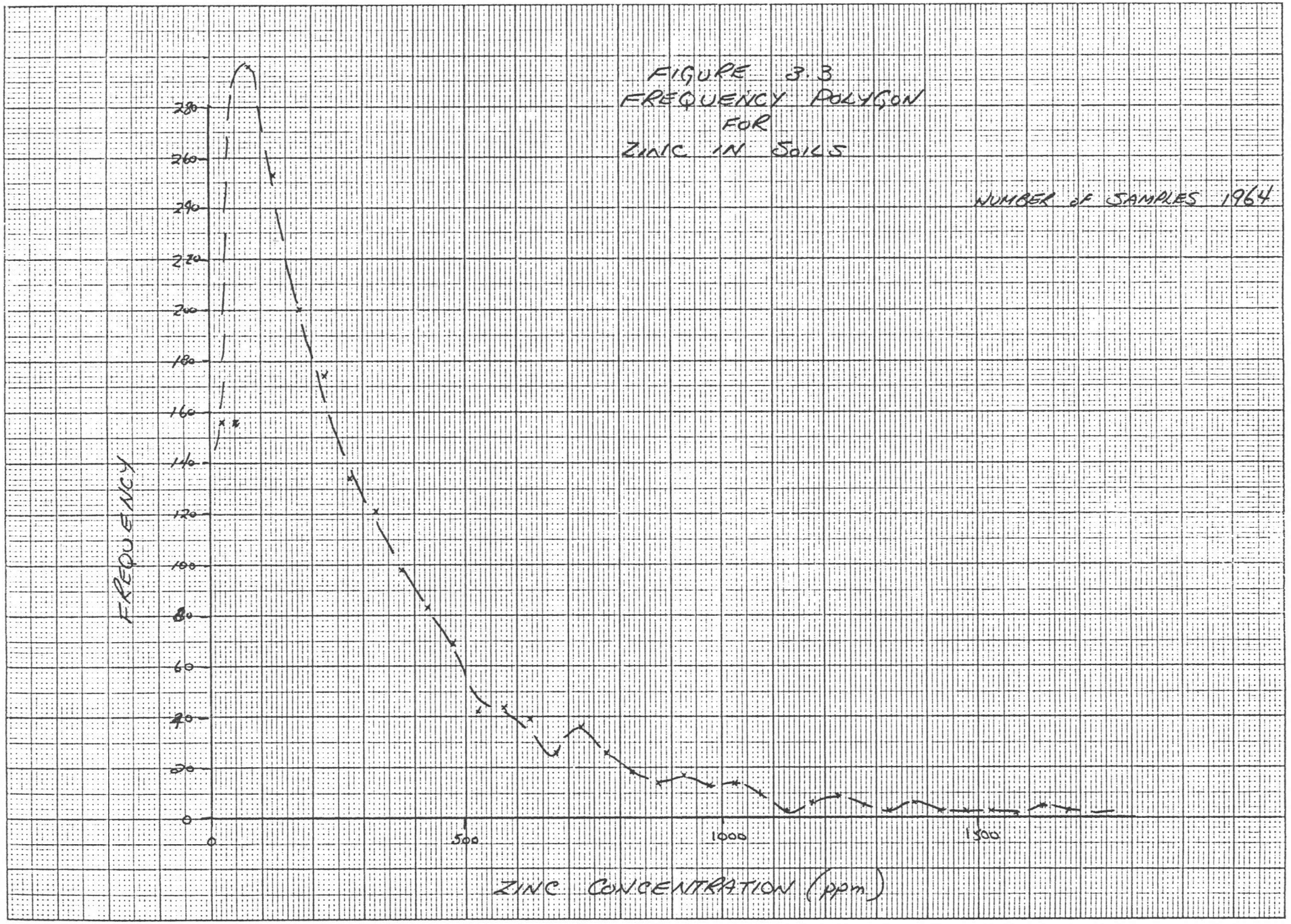



PERCENTAGE
2% 5 10 15 20 30 40 50 60 70 80 85 90 95 98%
LEAD IN SOILS
FIGURE 3.2
Single Population
Calculated graphical
μ 12.5 12.5
SD 22.5 48
+2SD 57.5
+3SD 80
μ = geometric mean = 175 ppm
PROBABILITY
X 3 LOG CYCLES
KEUFFEL & ESSER CO.
46 8082
MADE IN U.S.A.
3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0
PROBITS

66-416d

No. 9 (Millimeters) 18 x 25 CM. Grid.
5 MM. lines Accented, CM. Lines Heavy

PRINTER CO. LTD.



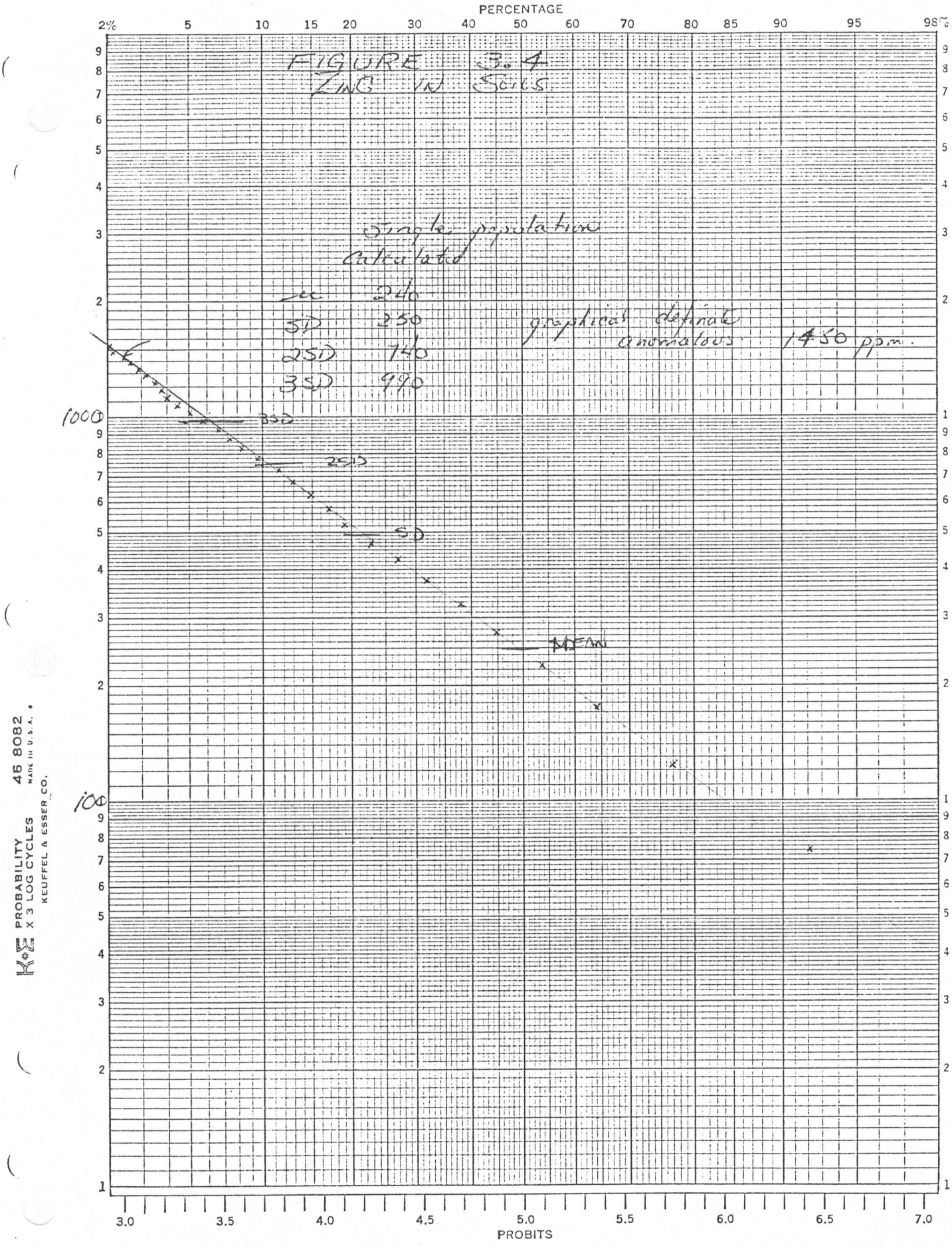


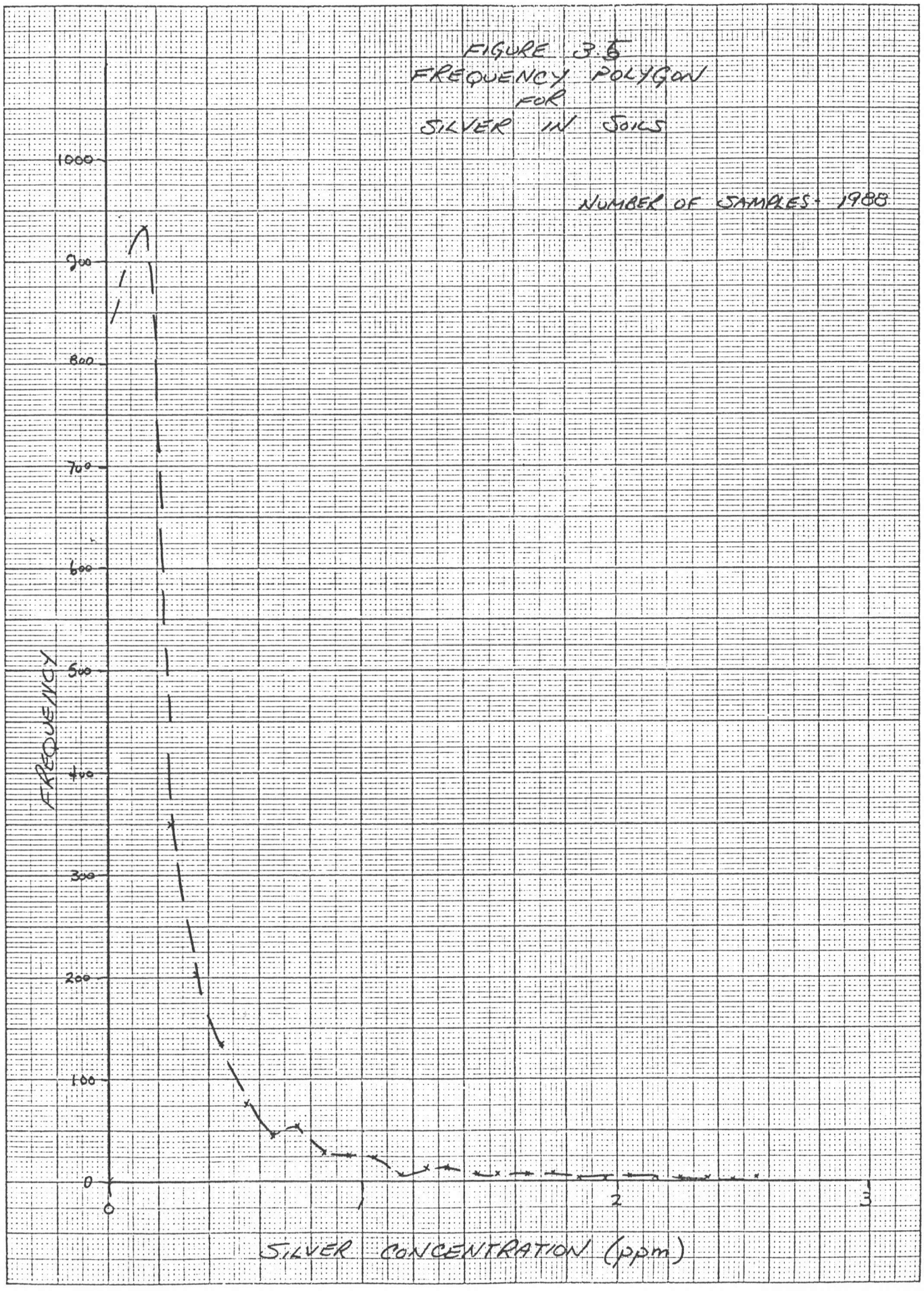
FIGURE 3.4
ZINC IN SOILS

Single population
Calculated

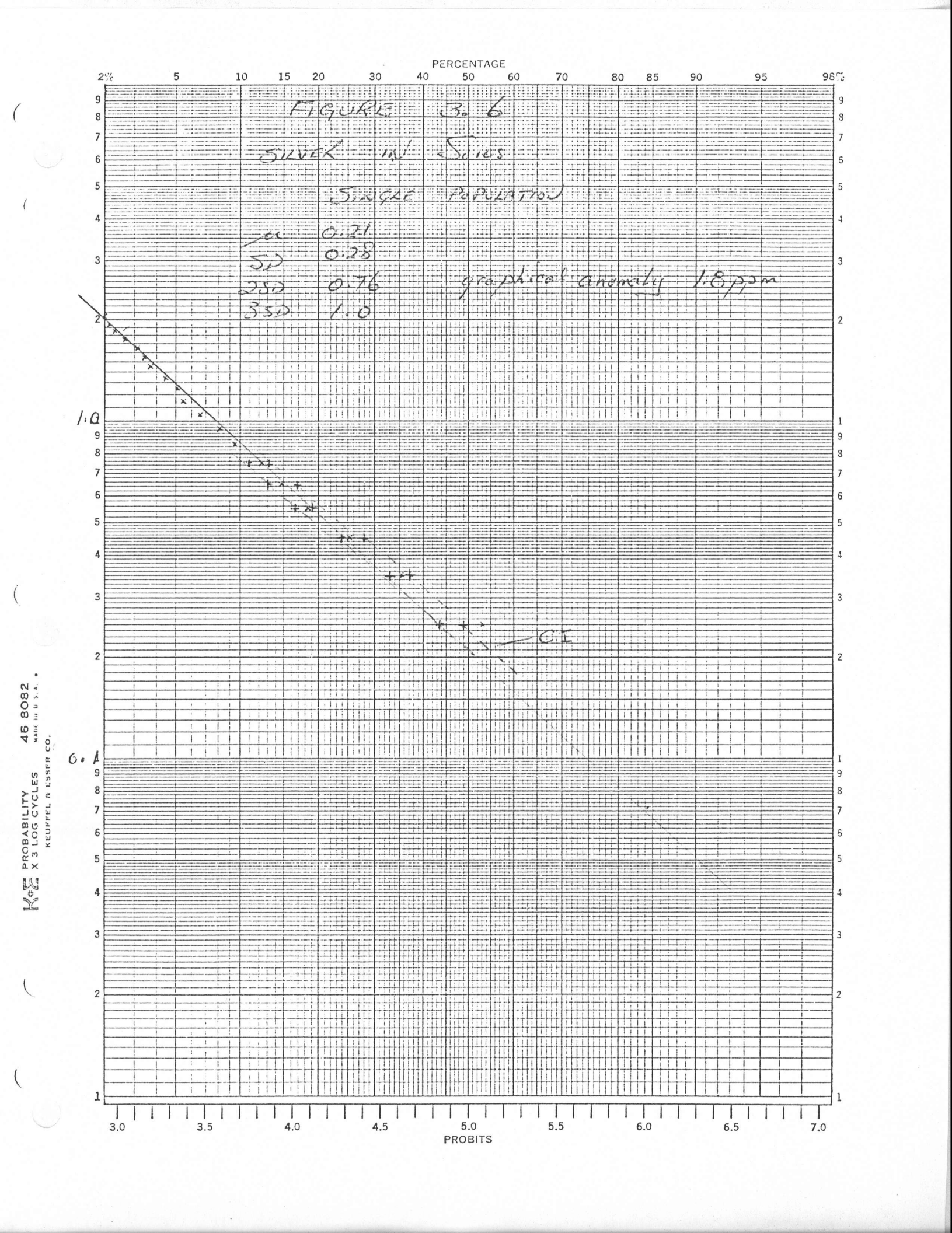
Mean	240
1SD	250
2SD	740
3SD	990

graphical definable anomalous: 1450 ppm.

3SD
2SD
1SD
MEAN

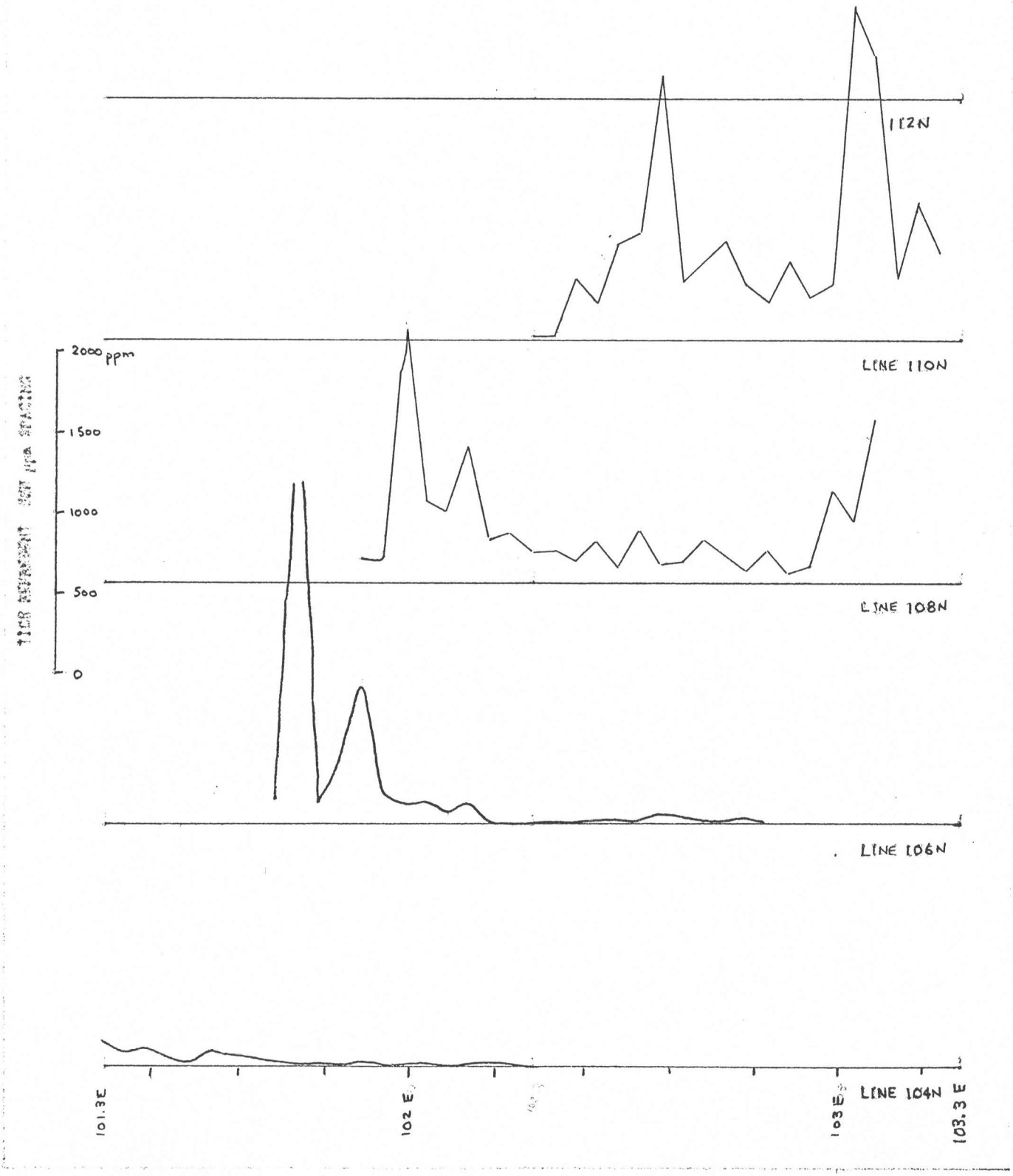


PRINTER CO. LTD.
No. 9 (Millimeters) 18 x 25 CM. Grid.
5 MM. lines Accented, CM. Lines Heavy
66-416d


PERCENTAGE
2% 5 10 15 20 30 40 50 60 70 80 85 90 95 98%
FIGURE 3.6
SILVER IN SOILS
SINGLE POPULATION
σ 0.21
SD 0.38
2SD 0.76
3SD 1.0
graphical anomaly 1.8ppm
1.0
6.4
CI
PROBABILITY
X 3 LOG CYCLES
KEUFFEL & ESSER CO.
46 8082
3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0
PROBITS

LINE PROFILE FOR LEAD

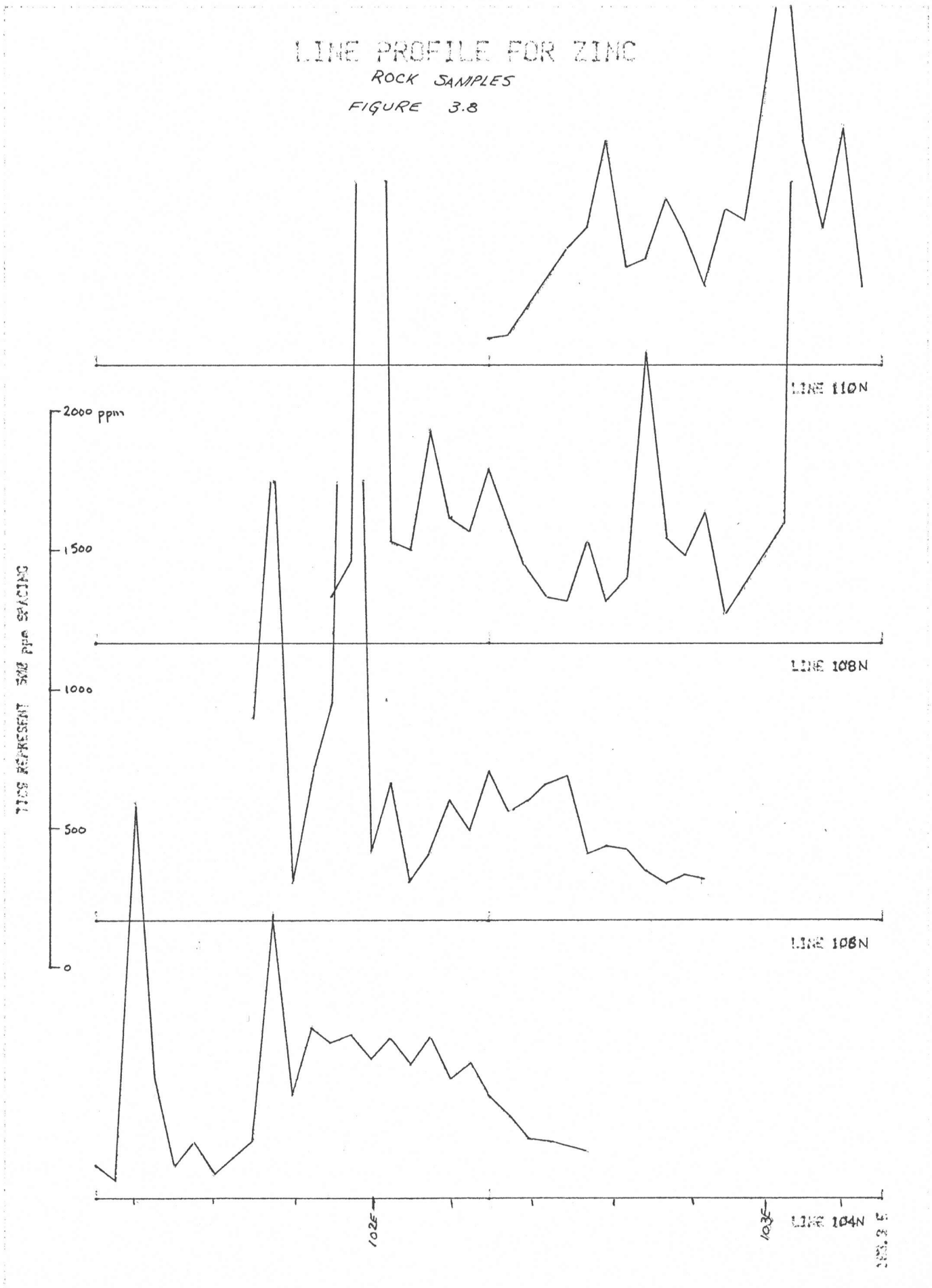
FIGURE 3.7
ROCK SAMPLES



LINE PROFILE FOR ZINC

ROCK SAMPLES

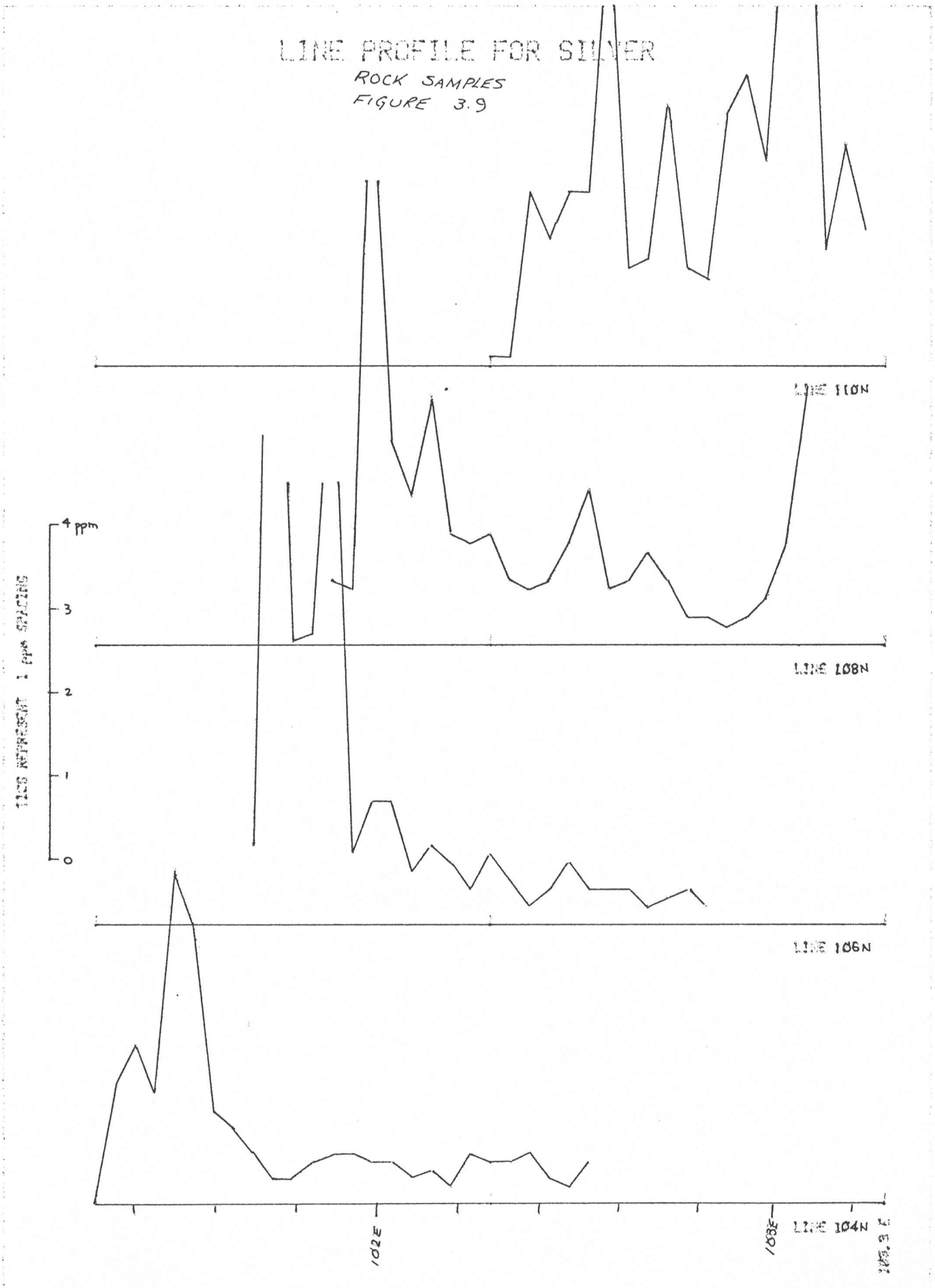
FIGURE 3.8



LINE PROFILE FOR SILVER

ROCK SAMPLES

FIGURE 3.9



The location of the above anomalous areas can be found on the geochemical maps at the back of this report.

All other anomalous samples within the claim group are spot highs and at this time have a low priority. Analysis of the fill-in samples surrounding some of these high values may elevate their designated priority.

4. GEOPHYSICS

Following is a description of the geophysical survey supplied by our in-house geophysisist, K. Witherly of Toronto, Ontario, who performed the work and interpreted the data.

4.1 Description of Technique

4.1.1 DEEPEM Survey

The DEEPEM survey is a large loop or turam-type time domain electromagnetic prospecting technique. The survey involves the laying out of a large loop of wire either over or adjacent to the area to be investigated. A pulsed current is transmitted through the loop which in turn sets up a concentric magnetic field around the wire. If conductive materials are encountered as this magnetic field passes through the earth, then secondary magnetic fields will be radiated for a period of time from such conductive bodies. The amplitude, duration and shape of such secondary magnetic gields depends upon the strength of the incident magnetic field (directly related to the current in the wire), the conductivity of the target body and the shape and attitude the target body has with respect to the transmitter loop.

In the DEEPEM survey, a receiver and probe are carried along grid lines which can be either inside or outside the loop. Readings are routinely taken at fixed intervals, often at a sample density of 25 metres. At each station, a measurement of the time derivative of the secondary and primary magnetic fields is made.

To gain greater insight into the quality of the conductor and the effects of host rock over overburden conductivity, the secondary field is sampled at a number of places in time, called windows. This sampling in the time domain can be shown mathematically to be analogous to taking readings at a number of discreet frequencies in the frequency domain. With the Crone pulse EM system, channel 1 corresponds roughly to 500 hertz while channel 8 is equivalent to approximately 20 hertz.

To obtain as much information as possible as to the geometry of conductive targets in the earth, readings are often taken in several orthogonal directions. The survey described in this report had all three possible magnetic field components measured; z-vertical, x-along line (sensor head to east) and y-normal to line (sensor head to north).

The survey on the Beav claims involved two transmitter loops (see Map #13). Loop 1 was used for the coverage on lines 102N, 104N, 106N, 108N and 110N; while loop 2 was used for a check of the anomaly on line 102N.

4.1.2 The Equipment

The equipment used for the deepem survey was a Crone Geophysics, Mississauga, Ontario, Pulse EM system. The major components and their operation mode are listed below:

Equipment

PEM Receiver	S/N 45 + Polycorder Data Logger
PEM Surface Probe	S/N 41
PEM Transmitter - 2KW	S/N 104

Operational Mode

Time Base - 10MS
Synchronization - CB Radio
Station Interval - 25 metres "Nominal"
Loop Current - 5 amps
Components - Z, X and Y
Survey Run with Constant Gain @ 300

The Polycorder Data Logger is a battery operated, microcomputer which has been integrated with the PEM receiver. The Polycorder initially records all of a day's survey data in a solid state memory. Each evening in the field camp, this data is dumped into an HP-85 desktop computer for plotting and storage on digital data tapes. All profile plots and data storage on digital data tapes. all profile plots and data listings in this report were made using the HP-85 computer.

4.2 Interpretation

4.2.1 Data Presentation

All data obtained have been plotted in profile form as figures 4.1 through 4.6. The data is plotted on a semi-logarithmic scale so that the broad dynamic range of the data can be accommodated without loss of too much information at the low amplitude end. Complete listings of the data along with the results of a rudimentary conductivity-thickness calculation are given in Appendix II. The formula for the conductivity-thickness calculation has been given by

crone (1976) as a constant divided by log SN - Log Sn+1 + 0.14 = Sigma T, where N is the channel 1 through 7. The constants, starting with the calculation for channels 1 and 2 are 2.09, 3.48, 4.88, 7.67, 13.2, 22.3 and 33.4.

The location of the loops 1 and 2, and the lines surveyed are shown in Map 13 in the back pocket.

4.2.2 Results

On all of the lines surveyed, only one major conductor was located. This anomaly shows up as the cross-over shape in the Z component and the broad peak in the X component. Although the Y component shows a considerable degree of character over the anomaly, its behaviour is much more erratic due to the component's sensitivity to minor variations in the conductor's strike direction. For this reason, the discussion will deal only with the Z and X components.

The cross-over locations based on the Z component for the line surveyed with loop 1 are listed below:

Line 102N - 101.0E
Line 104N - 101.35E
Line 106N - 101.9E
Line 108N - 102.38E
Line 119N - 102.7E

A plot of these cross-over locations has been made on Map #13 and is labelled as "conductor axis". The depth to the top of the conductor is estimated to be approximately 125 metres on line 108N and approximately 75 metres on line 102N. The dip is generally not well resolved in the Deepem technique and in this case the situation is complicated by the severe topography. If the conductor is assumed to be stratabound, then over the top of the conductor, the dip is approximately 42^{o} back towards the loop. However, the part of the conductor under the loop is almost parallel to the ground and hence the plane of the loop. This rapid variation in coupling between the conductor and the transmitter moving along the survey lines is felt to have contributed to the broad nature of the X component anomaly over the conductor. Modelling of this situation would be required to confirm this belief.

The conductor quality is consistently good along strike, averaging over 100 MHOS based on the late channel responses.

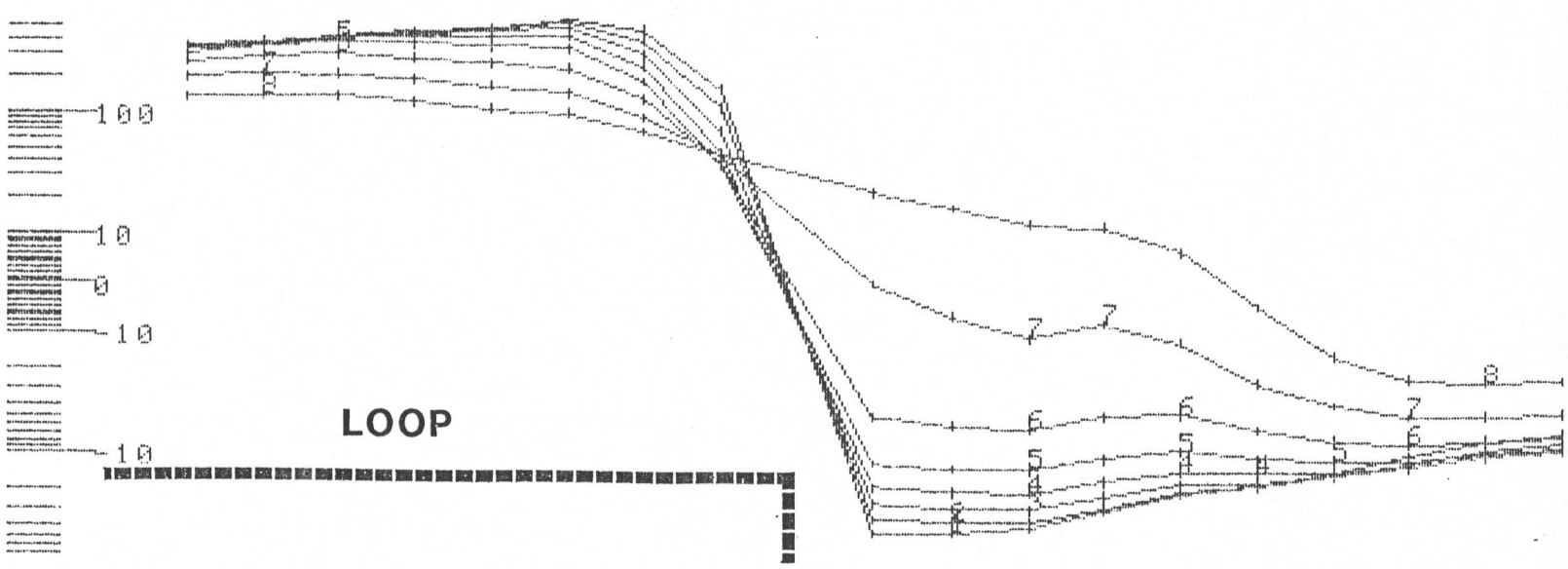
EAV L102N DEEPEM
Z-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

13/07/83

ain=100 zts=359 i=4.6



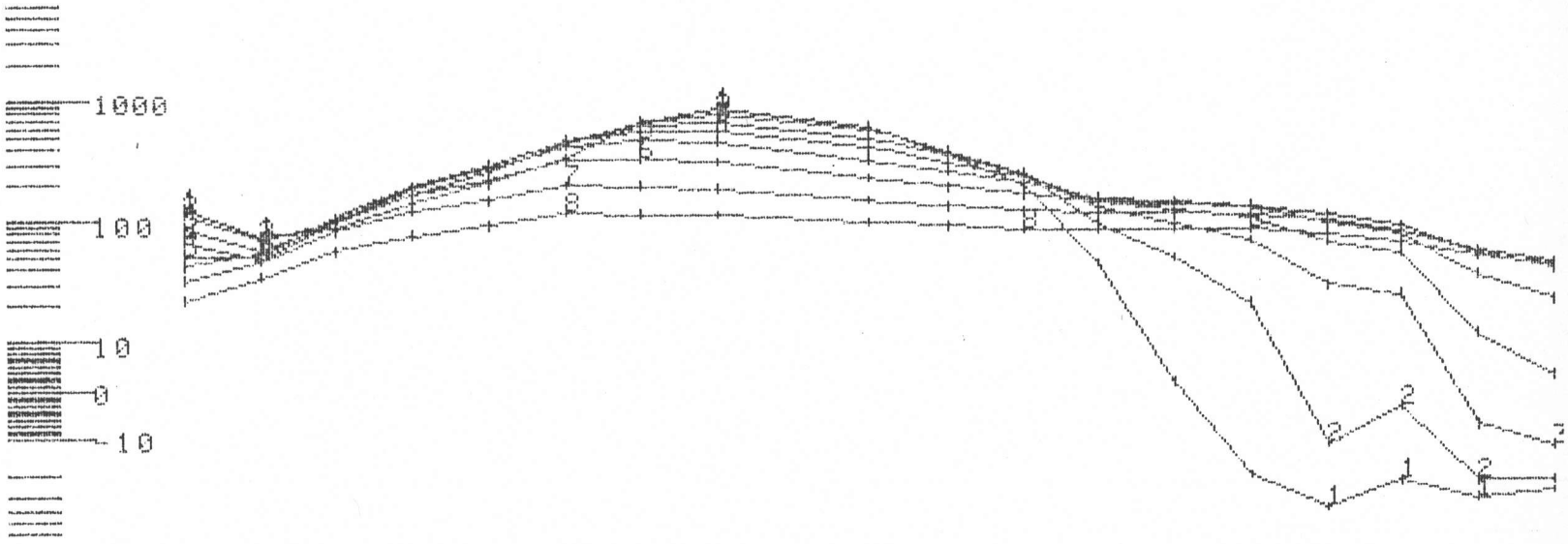
EAV L102N DEEPEM
X-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

13/07/83

ain=100 zts=359 i=4.6



EAV L102N DEEPEM
Y-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

13/07/83

ain=100 zts=359 i=4.6

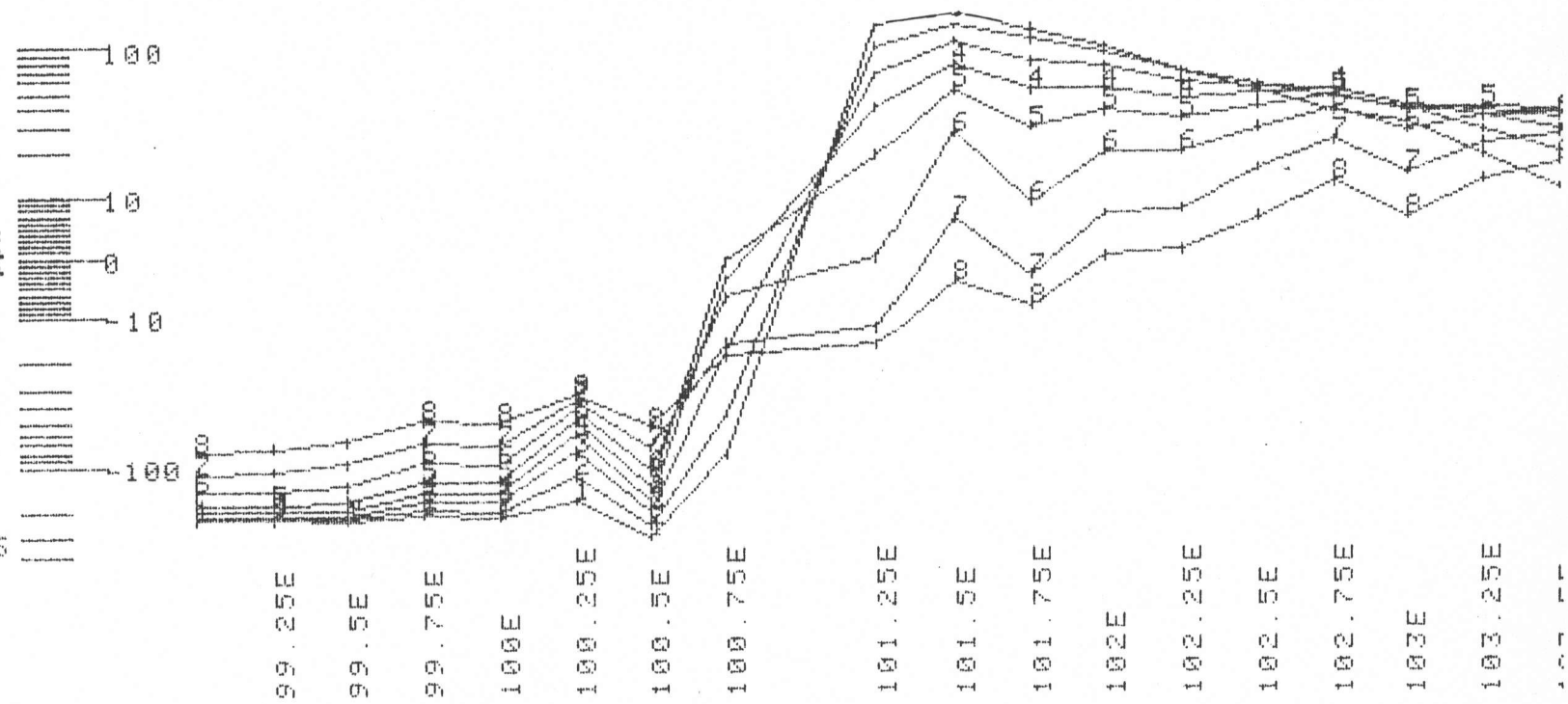


FIGURE 4.1

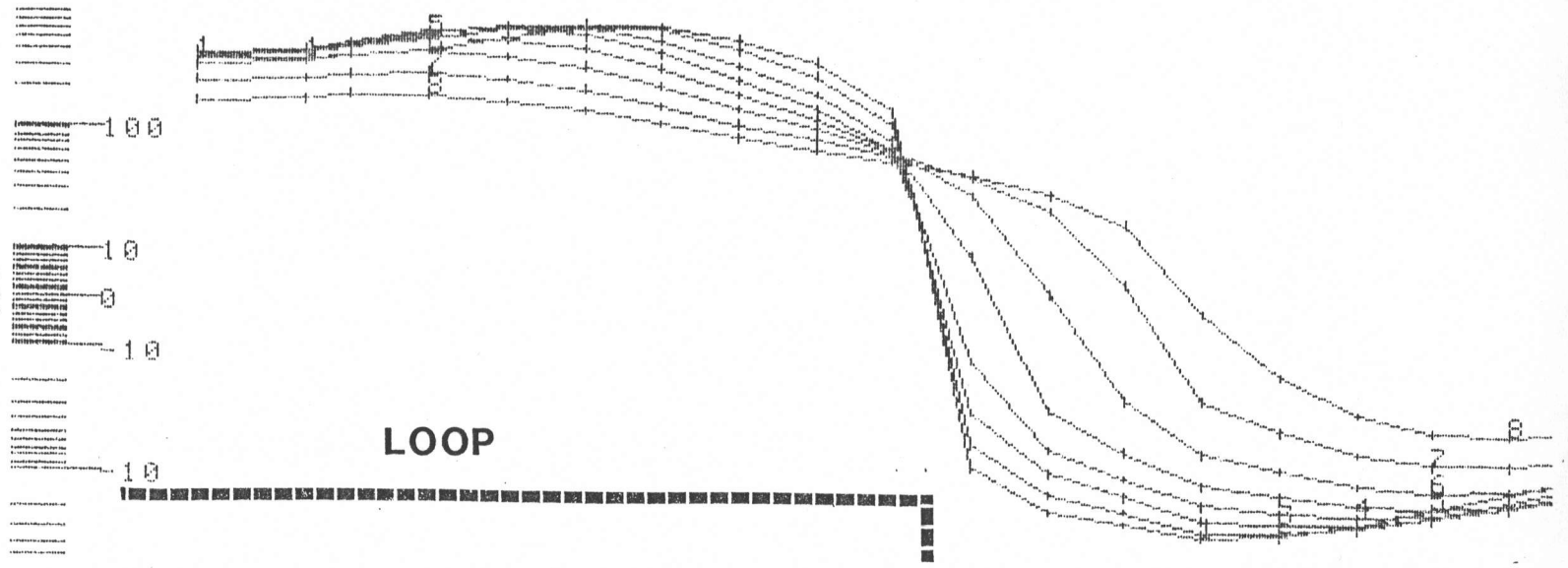
BEAV L104N DEEPEM
Z-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

09/07/83

gain=100 zts=359 i=5.0



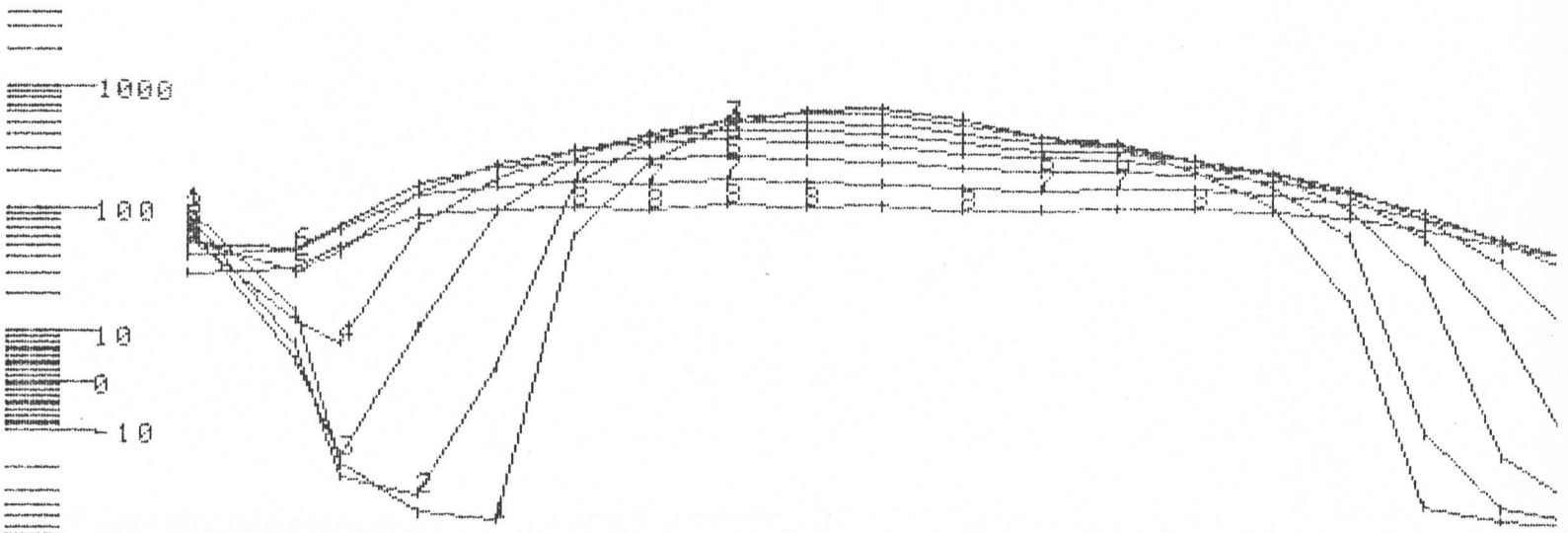
BEAV L104N DEEPEM
X-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

09/07/83

gain=100 zts=359 i=5.0



BEAV L104N DEEPEM
Y-component

TRANSMITTER Loop #1

109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m
100.6N 100.9E 575m

09/07/83

gain=100 zts=359 i=5.0

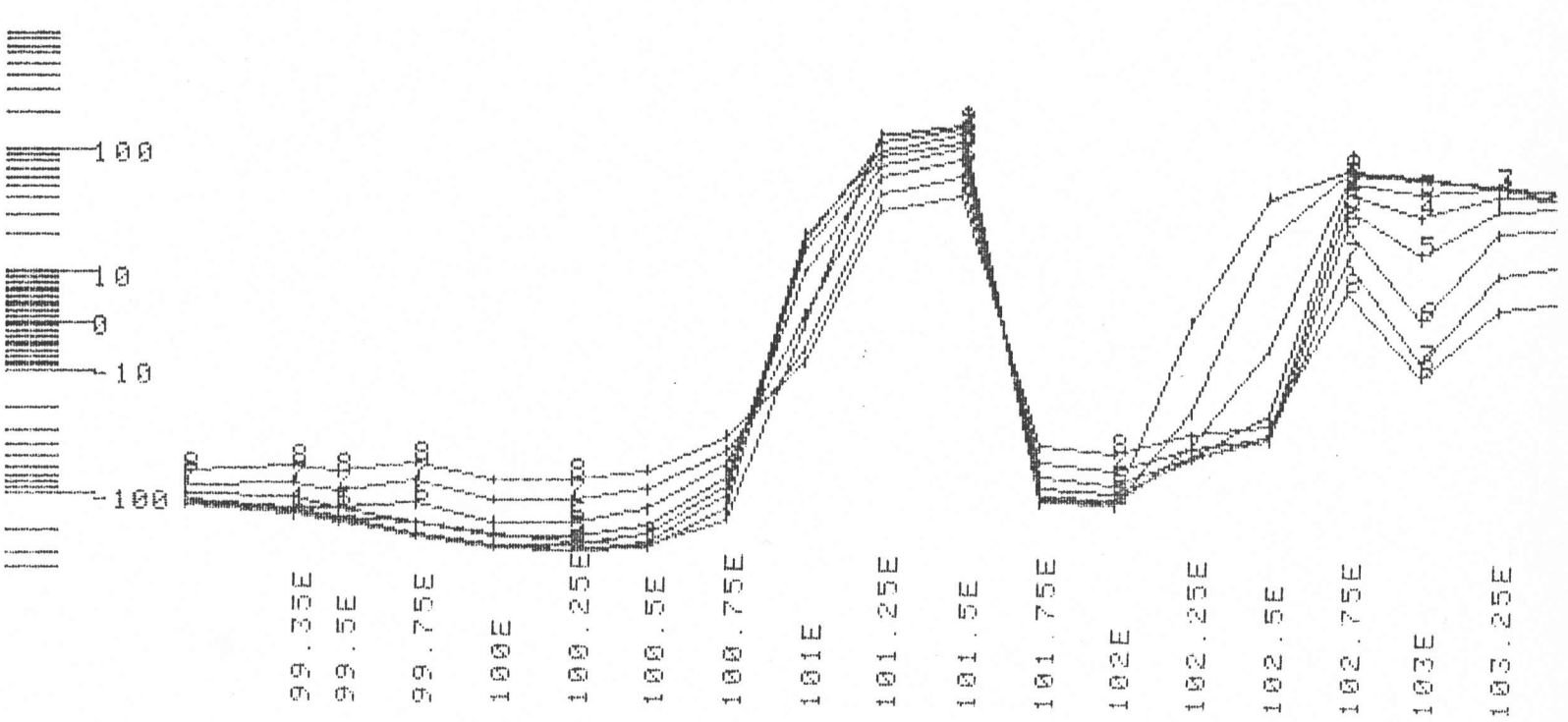


FIGURE 4.2

EAV L106N DEEPEM
Z-component

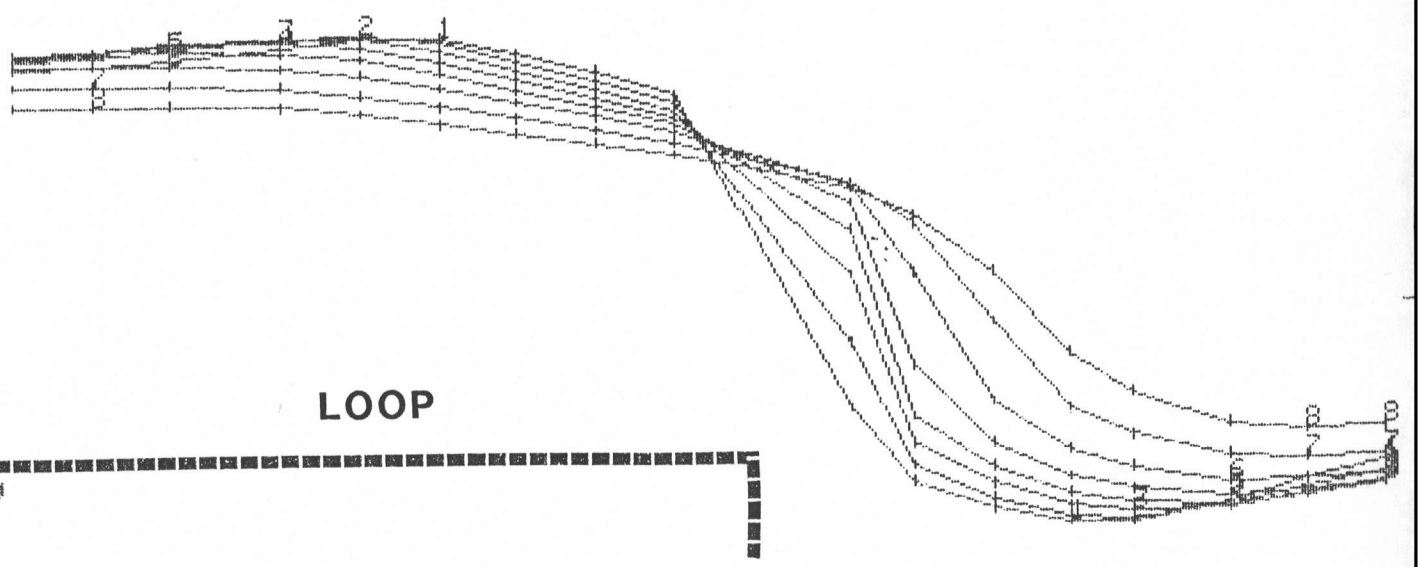
TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

13/07/83

ain=100 zts=359 i=4.6

1000
100
10
0
10
100
ppk

LOOP



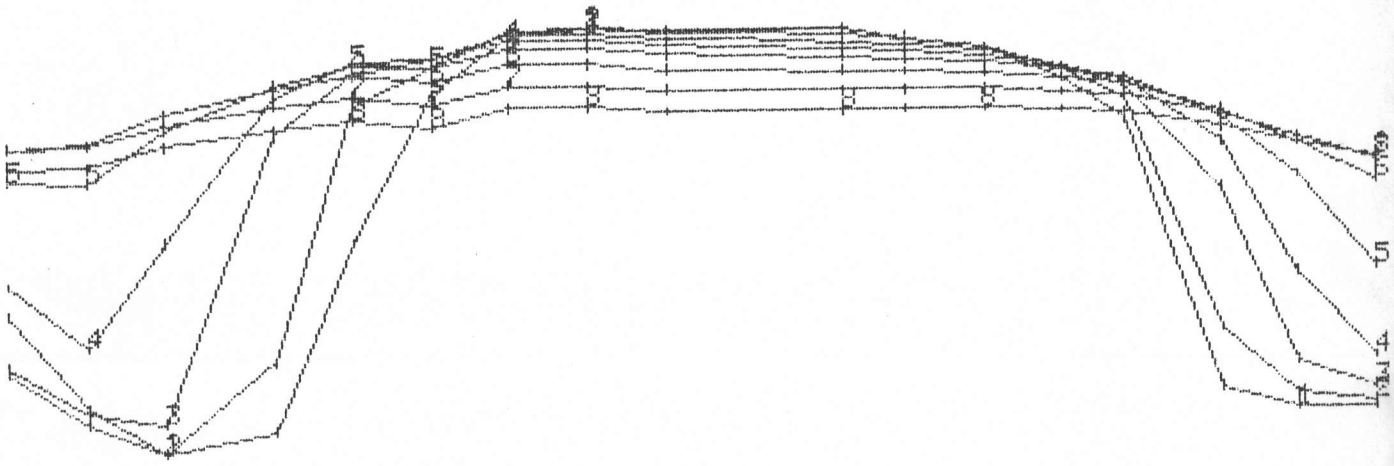
3EAV L106N DEEPEM
X-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

13/07/83

ain=100 zts=359 i=4.6

1000
100
10
0
10
100
ppk



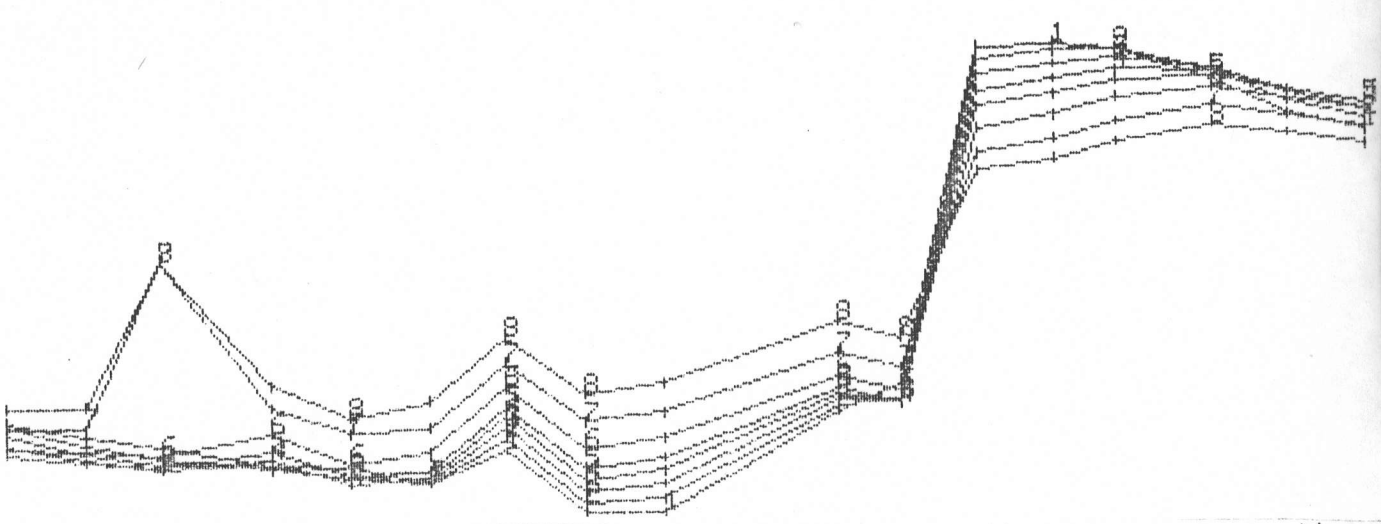
BEAV L106N DEEPEM
Y-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

13/07/83

ain=100 zts=359 i=4.6

100
10
0
10
100
ppk



99.4E
99.65E
100E
100.25E
100.5E
100.75E
101E
101.25E
101.5E
101.75E
102E
102.25E
102.5E
102.75E
103E
103.25E

FIGURE 4.3

3EAV L108N DEEPEM
Z-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
100.9N 98.0E 870m
101.2N 97.6E 610m

10/07/83

ain=100 zts=359 i=4.6

1000
100
10
0
10
100
ppk

LOOP

EAV L108N DEEPEM
X-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
100.9N 98.0E 870m
101.2N 97.6E 610m

10/07/83

ain=100 zts=359 i=4.6

1000
100
10
0
10
100
ppk

EAV L108N DEEPEM
Y-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
100.9N 98.0E 870m
101.2N 97.6E 610m

10/07/83

ain=100 zts=359 i=4.6

100
10
0
10
ppk

99.25E
99.5E
99.75E
100E
100.25E
100.5E
100.75E
101E
101.25E
101.5E
101.75E
102E
102.25E
102.5E
102.67E
103E
103.25E

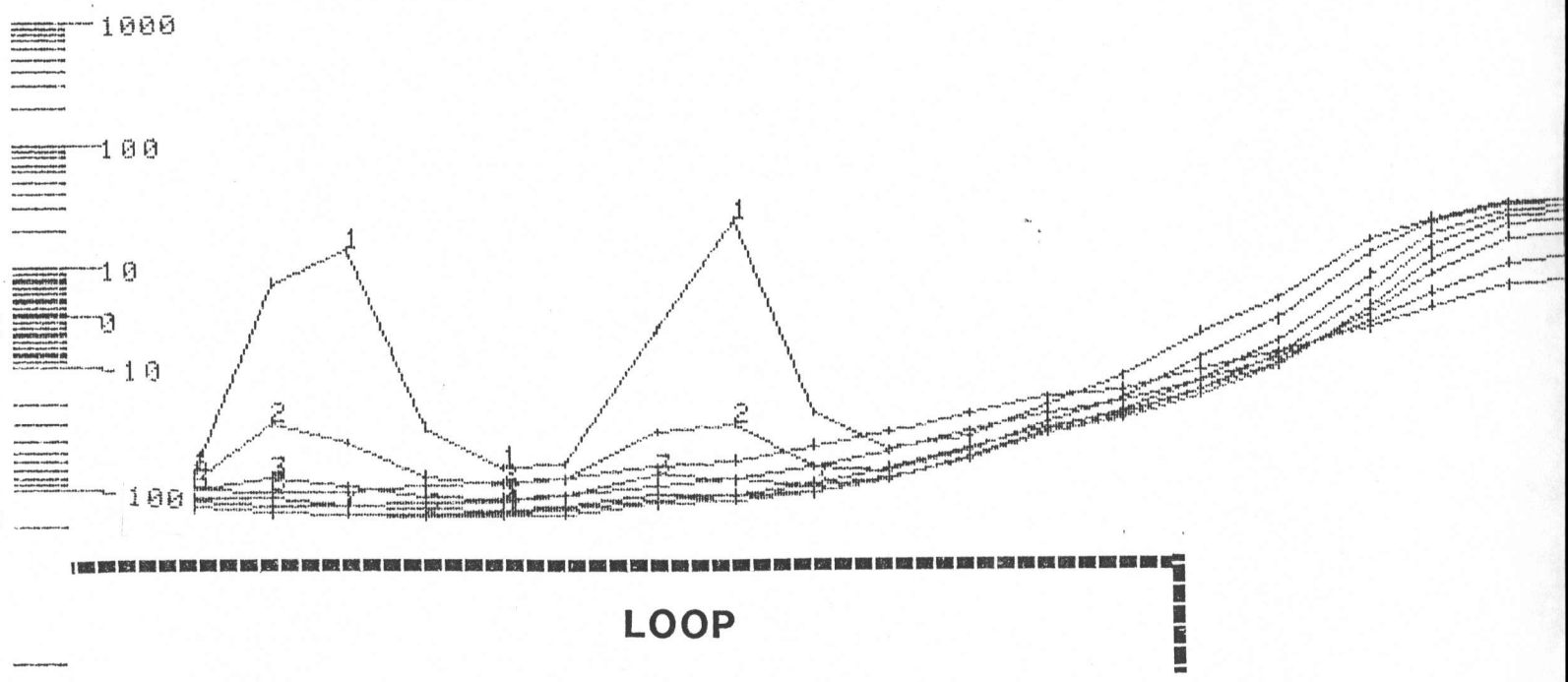
FIGURE 4.4

BEAV L110N DEEPEM
Z-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

12/07/93

gain=100 zts=359 i=4.6



LOOP

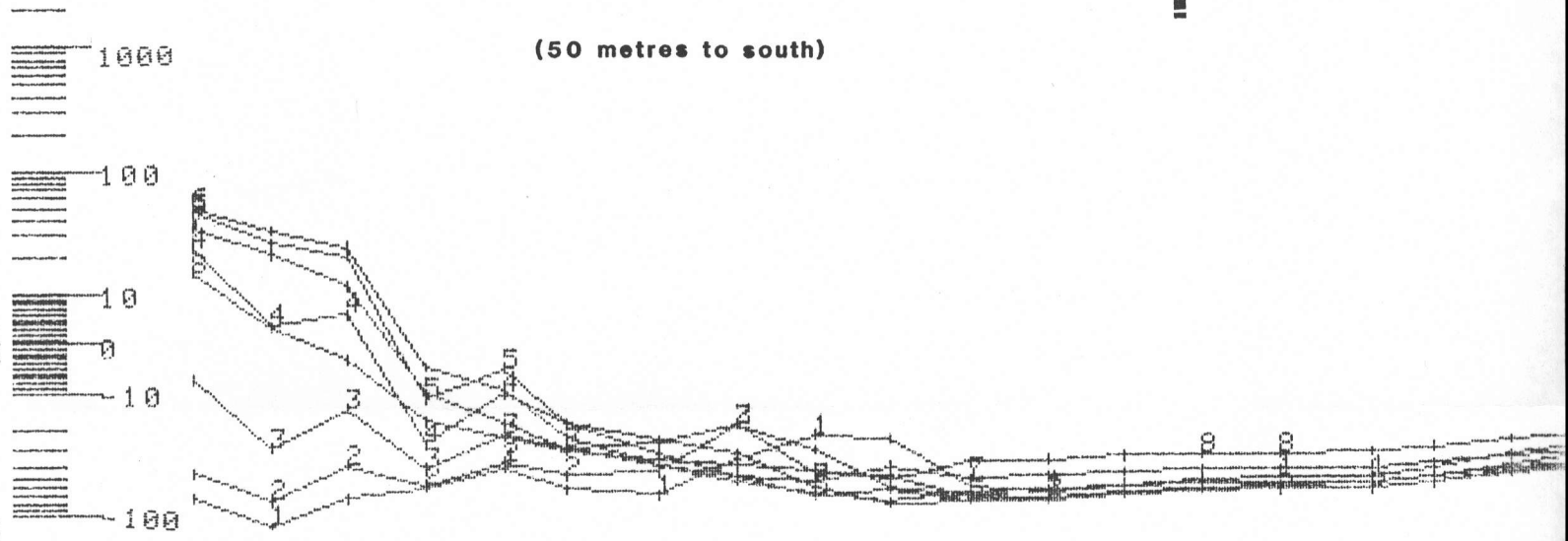
(50 metres to south)

BEAV L110N DEEPEM
X-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

12/07/93

gain=100 zts=359 i=4.6



BEAV L110N DEEPEM
Y-component

TRANSMITTER Loop #1
100.6N 100.9E 575m
109.4N 101.8E 900m
109.9N 98.0E 870m
101.2N 97.6E 610m

12/07/93

gain=100 zts=359 i=4.6

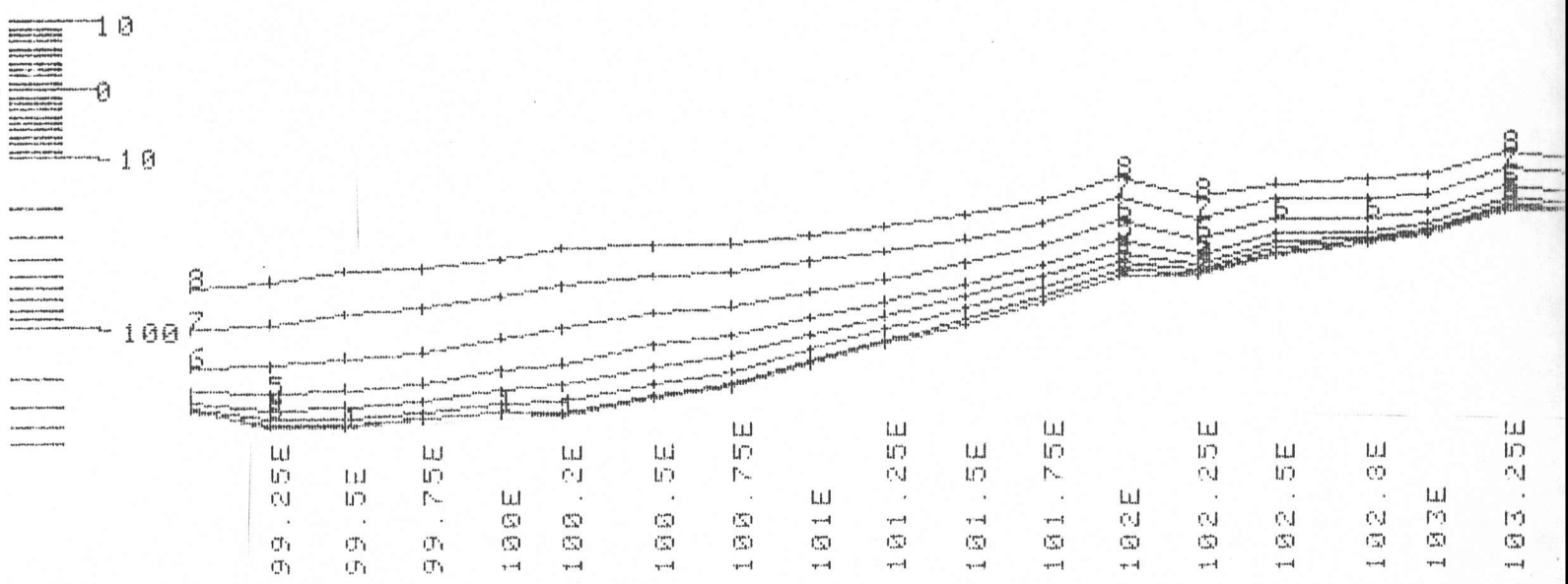


FIGURE 4.5

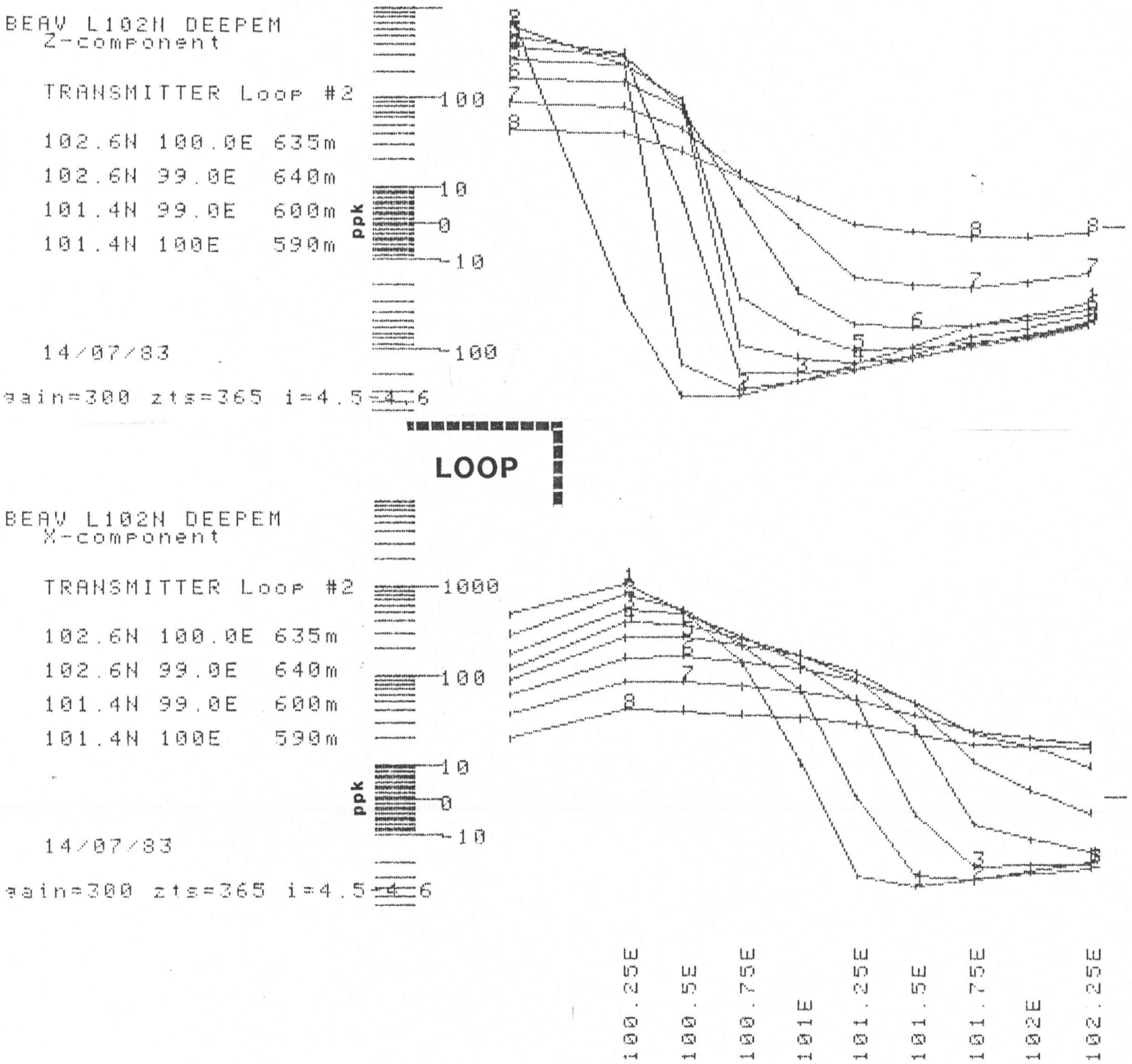

BEAV L102N DEEPEM
Z-component
TRANSMITTER Loop #2
102.6N 100.0E 635m
102.6N 99.0E 640m
101.4N 99.0E 600m
101.4N 100E 590m
14/07/83
gain=300 zts=365 i=4.5
100
10
0
10
100
ppk
LOOP
BEAV L102N DEEPEM
X-component
TRANSMITTER Loop #2
102.6N 100.0E 635m
102.6N 99.0E 640m
101.4N 99.0E 600m
101.4N 100E 590m
14/07/83
gain=300 zts=365 i=4.5
1000
100
10
0
10
ppk
100.25E
100.5E
100.75E
101E
101.25E
101.5E
101.75E
102E
102.25E

FIGURE 4.6

A second loop was used to re-survey the anomaly on line 102N. This was done primarily to see how the anomaly responded to a much smaller magnetic moment. The anomalies character and attributes from loop 2 compared closely with the results from the larger loop. It should be noted, that the polarity convention for the loop 2 Z component is opposite that for the loop 1 results.

4.3 Conclusions and Recommendations

Subsequent to the location of the DEEPEM anomaly, an examination was made of the geological section exposed south of the conductor along the Beaver River. Within that section, no significant conductive lithologies, i.e. black shales or argillites, could be identified, which could be considered as accountable for the observed anomaly. Based on this observation and coupled with the fact that the anomaly lies in a geologically-geochemically favourable position, the possibility of sulphide mineralization being present is promising.

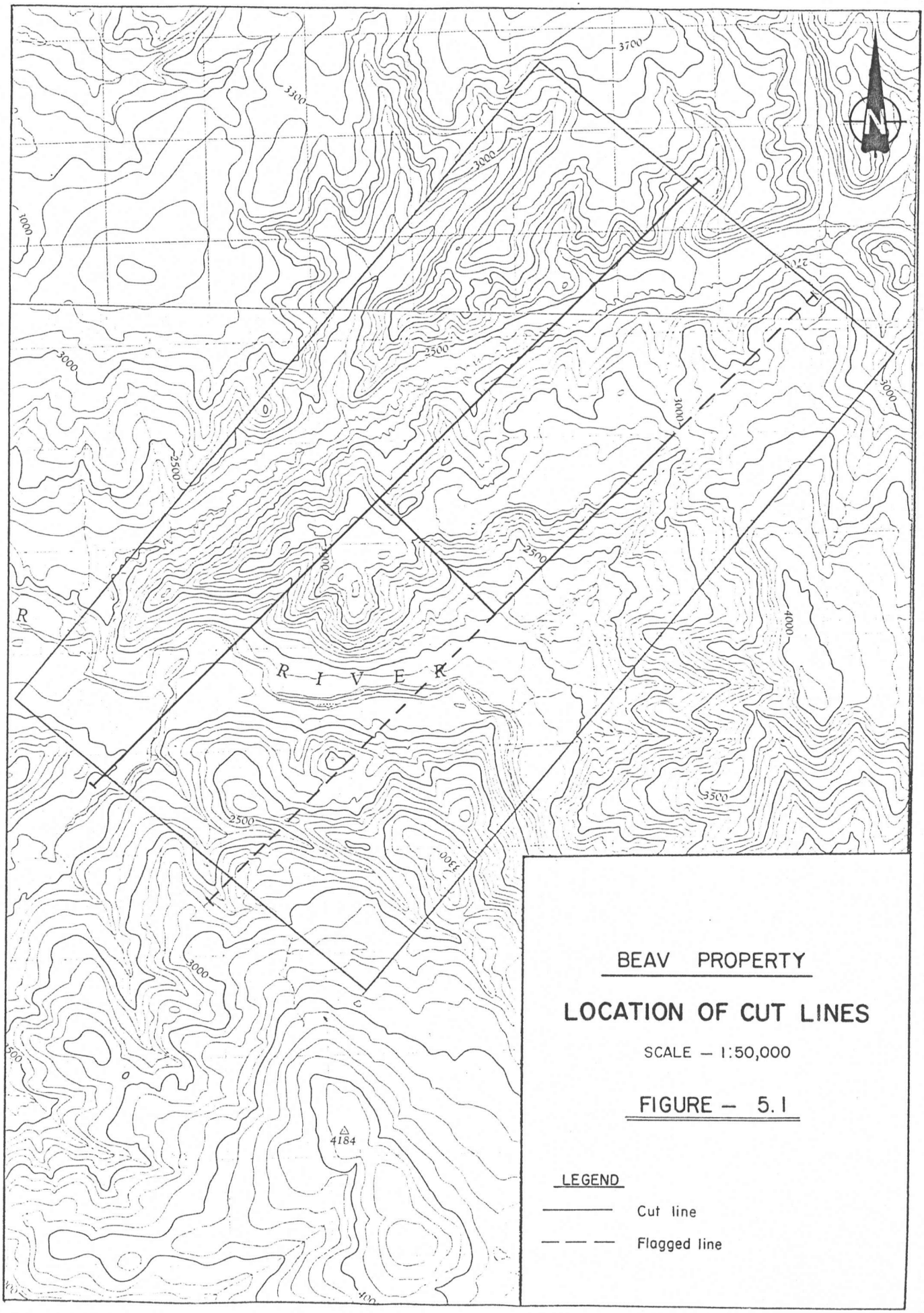
To test this anomaly, it is recommended that one diamond drillhole be spotted on this conductor. The location of this hole should be centrally positioned along the measured strike length of the feature, i.e. on line 106N. The hole should be angled at a dip of 45^{o} with an azimuth of 110^{o}. The total depth of the hole should be in the order of 150 metres in order to adequately test this moderately deep anomaly.

5. LINECUTTING

When the 1983 summer project was designed it was decided to cut two baselines extending across the whole claim group north to south with an east-west tie line. The lines were to be cut a minimum of 1 meter in width and station pickets were to be placed every 50 meters. The location of the lines were to be 100E base line run from 80N to 164N, 116E baseline run from 80N to 164N and 120N tie line run from 100E to 116E.

McCrory Holdings Ltd. of Whitehorse, Y.T. were contracted to carry out the work. They furnished a crew of 3 men, two for the cutting and one transit operator. Because of budget restrictions a time limit of 22 days was allotted to do the work.

As the undergrowth and deadfall is extremely thick it was found that the linecutters could only complete an average of 500 meters per day. The time limit forced a hault to the linecutting before the 116E baseline was completed. The rest of the 116E baseline was compass and chained in without cutting of the bush. Figure 5.1 shows the location of the lines that were actually cut. Baseline 100E was completed as was the 120N tie line but only 2500m of the 116E baseline was finished.


3700
3300
3000
1000
2500
3000
2500
3000
3000
2500
4000
R I V E R
3500
2500
3500
3000
4184
BEAV PROPERTY
LOCATION OF CUT LINES
SCALE – 1:50,000
FIGURE – 5.1
LEGEND
Cut line
Flagged line

6. CONCLUSIONS AND RECOMMENDATIONS

The Beav claims cover platformal rocks that are Upper Silurian to Lower Devonian in age. These are typified by shallow to deep water dolomites and mudrocks with high a zinc content. The main geochemical anomaly lies above a 50m thick porcellenite bed which contains high values of lead, zinc and silver. Correlative to the main geochemical anomaly is a pulse EM anomaly which suggests that a conductor lies at approximately 75 meters in depth. No surface mineralization has been discovered so far.

Several other geochemically high areas were defined by the 1983 soil sampling grid. These have yet to be tested but appear to be an extension of the siliceous dolostone horizon.

The local structure in the area is complex with minor folds related to a major fold axis plunging approximately 20^{o} south. Faults, although not observable on the ground can be seen from aero- and satellite photographs.

There are several possible explanations for the high metal values over the porcellenite zone.

a.) strataform submarine exhalitive sulphide deposit.
b.) false anomaly caused by groundwater percolation up fracture planes.
c.) small, metal-rich intrusive body directly below the anomalous zone.
d.) mineralized vein.

e.) very high background over unit 8.

More work will be carried out next year and in the following years to discover the anomaly source. Further work will include geological mapping, pulse EM geophysical surveys, and close spaced geochemical sampling. If the surveys produce favorable results, then diamond drilling will be used to locate the anomaly sources. Much of this work is planned for the 1984 field season.

7. COST ANALYSIS

The following work costs are applicable equally to all claims 1 to 180.

WAGES	
Permanent (includes staff geologist, draftsman and warehouseman)	12,596.00
Temporary (includes geologist & camp construction)	4,950.00
MOBILIZATION	
Helicopters	40,581.55
Fuel	4,063.44
Fixed Wing	15,573.84
REPRODUCTION	
Base Map	4,550.00
Copying (Maps and Report)	741.03
CAMP COSTS	
Food	6,327.60
Field Supplies	2,038.71
Communications	553.48
LINECUTTING	
Contract 25 days @ $700/day	17,489.25
SUBTOTAL	$109,464.90

TOTAL PER CLAIM $608.14

The following costs apply to all claims excluding Beav 1, 4 and 5.

SOIL SAMPLING	
Contract (3571 samples @ $5/sample)	17,855.00
Analysis (1785 samples @ $3.20/sample)	5,712.00
Shipping	637.85
SUBTOTAL	$24,204.85

TOTAL PER CLAIM $136.75

The following costs apply to claims 1, 4 and 5 only.

GEOCHEMICAL SAMPLING	
Soil Analytical (222 samples @ $3.20/sample)	710.40
Rocks Analytical (96 samples @ $4.72/sample)	453.12
GEOPHYSICS (Shipping)	2,136.87
SUBTOTAL	$ 3,282.39

TOTAL PER CLAIM $1,094.13

TOTAL FOR ALL CLAIMS $136,970.14

WORK PERFORMED DURING THE 1982/1983 ASSESSMENT YEARS (per claim)

a.) Beav 1 to 180 excluding claims
Beav 1, 4 and 5 $744.89

b.) Beav 1, 4 and 5 $1,702.27

Work requirements for each claim for the 4 1/2 years applied for is $450.

8. PERSONNEL

Permanent

P. Burt (Project Geologist) #9B - 4141 Oak Street Vancouver, B.C.	5 months
R. Gopal (Draftsman) 5216 St. Catherines Street Vancouver, B.C.	20 days
J. Howe (Warehouseman) Box 24, R.R.#1 Bowen Island, B.C.	10 days
C. Stewart (Typist) #102 - 2033 Beach Avenue Vancouver, B.C.	4 days
K. Witherly (Geophysist) 25 Graywood Drive Islington, Ontario	18 days
G. Clarke (Geophysist) Box 1791 Port Hardy, B.C.	18 days

Temporary

G. Wesa (Geologist) 1836 Parker Street Vancouver, B.C.	68 days
B. Laird (Geological Assistant 1982) 6792 Humphries Street Burnaby, B.C.	3 days
J. Stubenberg (Helper, Camp Construction) P.O. Box 250 Watson Lake, Yukon Territories	5 days
K. Wiede (Helper, Camp Construction) P.O. Box 206 Watson Lake, Yukon Territories	5 days

A. Duchane (Cook) — 57 days
P.O. Box 322
Watson Lake, Yukon Territories

Contractors

McCrory Holdings — Linecutting, Soil Sampling
307 Jarvis Street
Whitehorse, Yukon Territories

Canwest Aviation Ltd. — Contract Helicopter
Okotoks Air Park
Okotoks, Alberta

9. STATEMENT OF QUALIFICATIONS

I, Philip D. Burt do hereby state that:

1.) I have graduated from the British Columbia Institute of Technology (Mining) in 1971.

2.) I have graduated from and have obtained a Bachelor of Science degree (Geology) from the University of British Columbia in 1981.

3.) I have worked within the mining industry in both exploration and production continuously since 1969.

4.) I have supervised all work on the Beav 1 - 180 claims since the initial staking of the ground in 1982.

5.) I am currently working for Utah Mines Ltd. as a project geologist and have been since 1982.

6.) To the best of my knowledge, all information and interpretation of the enclosed information is true and correct.



P. Burt

August 31, 1983

K.E. Witherly was responsible for the geophysical section of this report. Qualifications are outlined below:

> K.E. Witherly, Geophysicist for Utah Mines Ltd., Toronto, Ontario. Completed B.Sc., (Geophysics) at the University of British columbia in 1971; employed by Utah Mines Ltd., and Tri-Con Exploration Surveys during 1969 and 1970 summer field seasons respectively as a geophysicist's assistant; employed by Utah Mines Ltd. from 1971 to 1975 in Vancouver, from 1975 to 1978 in Reno, Nevada and from 1978 to present in Toronto.

10. REFERENCES

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APPENDIX
I

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213474-003-A
INVOICE # : I8213474
DATE : 24-SEP-82
P.O. # : NONE

	Sample description		Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
	82ZLS 52		201	6	60	0.1	840	--	--
	82ZLS 53		201	12	82	0.2	960	--	--
	82ZLS 54		201	10	60	0.1	940	--	--
104.5N	82ZLS 55	99+50E	201	50	7600	0.4	1580	--	--
	82ZLS 56	100E	201	245	620	0.4	620	--	--
	82ZLS 57	100+50E	201	40	1350	0.1	560	--	--
	82ZLS 58		201	110	1750	1.4	520	--	--
	82ZLS 59		201	805	2880	5.2	760	--	--
	82ZLS 60		201	110	2400	1.0	800	--	--
	82ZLS 61		201	27	1400	0.2	420	--	--
	82ZLS 62		201	30	440	0.1	660	--	--
	82ZLS 63		201	73	480	0.4	580	--	--
104.5N	82ZLS 64	104+00E	201	4700	4550	13.5	420	--	--
109N	82ZLS 65	99+00E	201	168	830	1.7	360	--	--
	82ZLS 66	99+50E	201	160	1700	2.1	600	--	--
	82ZLS 67		201	165	640	1.1	660	--	--
	82ZLS 68		201	92	1000	0.2	320	--	--
	82ZLS 69		201	160	1480	1.3	420	--	--
	82ZLS 70		201	85	655	0.1	420	--	--
	82ZLS 71		201	1350	2230	6.8	420	--	--
	82ZLS 72		201	3600	5200	17.5	540	--	--
	82ZLS 73	103+00E	201	1300	4150	5.0	660	--	--
109N	82ZLS 74	103+50E	201	380	2250	1.6	640	--	--
104.5N	82ZLS 75	99+00E	201	12	400	0.2	620	--	--
	82ZLS 76	98+50E	201	11	325	0.1	1800	--	--
	82ZLS 77		201	70	475	1.1	680	--	--
	82ZLS 78		201	13	260	0.4	660	--	--
	82ZLS 79		201	18	600	0.7	640	--	--
	82ZLS 80		201	15	560	0.4	640	--	--
	82ZLS 81		201	12	370	0.2	840	--	--
	82ZLS 82	95+50E	201	18	218	0.2	760	--	--
	82ZLS 83	95+00E	201	20	168	0.2	880	--	--
	82ZLS 84	95+50E	201	11	990	0.2	6400	--	--
	82ZLS 85	96+00E	201	11	690	0.4	4300	--	--
	82ZLS 86		201	10	750	0.2	3150	--	--
	82ZLS 87		201	11	415	0.2	1100	--	--
100N	82ZLS 88		201	13	195	0.1	840	--	--
	82ZLS 89		201	10	485	0.2	1700	--	--
	82ZLS 90		201	8	480	0.2	1540	--	--
	82ZLS 91	99+00E	201	15	790	0.3	1500	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213474-004-A
INVOICE # : I8213474
DATE : 24-SEP-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82ZLS 92 99+50E	201	6	160	0.3	380	--	--
82ZLS 93 100E	201	125	1750	0.6	1560	--	--
82ZLS 94	201	7	190	0.2	2300	--	--
82ZLS 95	201	8	170	0.3	1800	--	--
82ZLS 96	201	22	1250	0.4	920	--	--
82ZLS 97 102+00E	201	80	1550	2.1	1560	--	--
82ZLS 98 102+50E	201	18	510	0.2	1840	--	--

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geochemistry

CERTIFICATE OF ANALYSIS

TC : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213914-001-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82Z PS - 01 97+50E	201	92	450	1.7	2600	--	--
82Z PS - 02 98E	201	93	600	2.0	3600	--	--
82Z PS - 03	201	42	725	1.5	4700	--	--
82Z PS - 04	201	8	565	1.5	2200	--	--
82Z PS - 05	201	23	545	4.6 *	8000	--	--
82Z PS - 06	201	35	250	12.7 *	9100	--	--
82Z PS - 07	201	46	285	0.6	1350	--	--
82Z PS - 08	201	18	139	0.8	1450	--	--
82Z PS - 09	201	82	600	1.0	2000	--	--
82Z PS - 10	201	20	220	0.4	950	--	--
82Z PS - 11	201	11	149	0.2	1050	--	--
82Z PS - 12	201	20	320	0.2	1000	--	--
82Z PS - 13	201	24	270	0.2	1350	--	--
82Z PS - 14	201	36	385	0.2	1600	--	--
82Z PS - 15	201	21	137	0.1	750	--	--
82Z PS - 16	201	23	235	0.4	850	--	--
82Z PS - 17	201	20	385	0.3	900	--	--
82Z PS - 18	201	30	260	0.3	900	--	--
82Z PS - 19	201	33	325	0.2	800	--	--
82Z PS - 20 107+00E	201	70	315	0.1	700	--	--
82Z PS - 21 107+50E	201	22	185	0.1	800	--	--
82Z PS - 22 108+00E	201	42	370	0.1	700	--	--
82Z PS - 23 107+50E	201	19	235	0.1	700	--	--
82Z PS - 24	201	41	310	0.3	800	--	--
82Z PS - 25	201	32	200	0.4	800	--	--
82Z PS - 26	201	41	293	0.1	800	--	--
82Z PS - 27	201	28	300	0.2	800	--	--
82Z PS - 28	201	45	380	0.1	900	--	--
82Z PS - 29	201	40	270	0.2	900	--	--
82Z PS - 30	201	27	192	0.1	800	--	--
82Z PS - 31	201	29	133	0.1	700	--	--
82Z PS - 32	201	49	240	0.1	1050	--	--
82Z PS - 33	201	32	198	0.4	950	--	--
82Z PS - 34	201	51	310	0.2	800	--	--
82Z PS - 35	201	160	680	0.7	1200	--	--
82Z PS - 36	201	110	498	2.4	2050	--	--
82Z PS - 37	201	56	440	4.6 *	5200	--	--
82Z PS - 38	201	26	710	3.3	8700	--	--
82Z PS - 39 99+50E	201	21	420	0.9	7700	--	--
82Z PS - 40 99+00E	201	15	440	0.7	5900	--	--

27.5N

123N

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1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213914-002-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82Z PS - 41 98+50E	201	33	620	3.0	650	--	--
82Z PS - 42 98+00E	201	44	340	1.1	5000	--	--
82Z PS - 43	201	155	475	1.0	1200	--	--
82Z PS - 44	201	86	430	0.7	1100	--	--
82Z PS - 45	201	53	425	0.9	850	--	--
82Z PS - 46	201	62	278	0.4	700	--	--
82Z PS - 47	201	47	690	0.5	700	--	--
82Z PS - 48	201	28	945	0.7	500	--	--
82Z PS - 49	201	19	1200	2.0	1100	--	--
82Z PS - 50	201	34	705	0.6	950	--	--
82Z PS - 51	201	19	610	0.7	600	--	--
82Z PS - 52	201	40	475	0.5	750	--	--
82Z PS - 53	201	18	593	0.4	1100	--	--
82Z PS - 54	201	15	300	0.4	1120	--	--
82Z PS - 55	201	62	345	0.5	840	--	--
82Z PS - 56	201	120	330	0.5	780	--	--
82Z PS - 57	201	9	275	0.3	2500	--	--
82Z PS - 58	201	6	153	0.2	2700	--	--
82Z PS - 59 89+50E	201	33	355	0.3	2000	--	--
82Z PS - 60 89+00E	201	9	193	0.1	1100	--	--
82Z TS 01 98+50E	201	18	150	0.2	480	--	--
82Z TS 02 99+00E	201	13	78	0.1	740	--	--
82Z TS 03	201	16	173	0.1	940	--	--
82Z TS 04	201	11	119	0.2	1480	--	--
82Z TS 05	201	50	263	0.9	680	--	--
82Z TS 06	201	176	443	0.3	1320	--	--
82Z TS 07	201	159	300	0.6	1000	--	--
82Z TS 08	201	64	165	0.3	720	--	--
82Z TS 09	201	105	188	0.3	740	--	--
82Z TS 10	201	76	755	1.4	820	--	--
82Z TS 11	201	145	380	0.3	920	--	--
82Z TS 12	201	165	220	0.6	1100	--	--
82Z TS 13	201	192	355	0.3	920	--	--
82Z TS 14	201	62	210	0.3	860	--	--
82Z TS 15	201	75	400	0.5	860	--	--
82Z TS 16	201	200	500	0.7	900	--	--
82Z TS 17	201	165	465	1.5	980	--	--
82Z TS 18	201	57	240	0.7	580	--	--
82Z TS 19 107+50E	201	51	85	0.1	620	--	--
82Z TS 20 108+00E	201	150	315	1.5	720	--	--

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V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213914-003-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82Z TS 21 108+50E	201	7	180	0.3	660	--	--
82Z TS 22 108+00E	201	46	138	0.2	700	--	--
82Z TS 23 107+50E	201	15	103	0.1	620	--	--
82Z TS 24 107+00E	201	42	205	0.1	560	--	--
82Z TS 25	201	190	340	0.7	520	--	--
82Z TS 26	201	79	108	0.3	220	--	--
82Z TS 27	201	425 *	558	3.6 *	460	--	--
82Z TS 28	201	220	450	0.4	600	--	--
82Z TS 29	201	116	640	0.2	740	--	--
82Z TS 30	201	190 *	690	0.5	880	--	--
82Z TS 31	201	140	960 *	0.6	760	--	--
82Z TS 32	201	90	125	0.3	970	--	--
82Z TS 33	201	8	50	0.1	480	--	--
82Z TS 34	201	5	82	0.3	900	--	--
82Z TS 35	201	75	238	0.2	800	--	--
82Z TS 36	201	41	473	0.1	780	--	--
82Z TS 37	201	40	155	0.3	660	--	--
82Z TS 38	201	10	133	0.1	690	--	--
82Z TS 39	201	8	80	0.3	620	--	--
82Z TS 40	201	9	105	0.2	840	--	--
82Z TS 41	201	12	255	0.2	700	--	--
82Z TS 42	201	10	130	0.2	800	--	--
82Z TS 43	201	12	158	0.1	780	--	--
82Z TS 44	201	10	290	0.2	1040	--	--
82Z TS 45	201	13	168	0.1	940	--	--
82Z TS 46	201	22	250	0.1	1040	--	--
82Z TS 47	201	16	310	0.2	1060	--	--
82Z TS 48	201	28	308	0.7	1000	--	--
82Z TS 49	201	12	90	0.1	620	--	--
82Z TS 50	201	14	375	0.3	1150	--	--
82Z TS 51	201	11	383	0.3	700	--	--
82Z TS 52	201	9	75	0.1	720	--	--
82Z TS 53	201	7	118	0.1	880	--	--
82Z TS 54	201	13	400	0.6	1180	--	--
82Z TS 55	201	12	740	0.7	2950	--	--
82Z TS 56	201	14	560	0.6	4700	--	--
82Z TS 57 90+50E	201	14	425	0.3	4600	--	--
82Z TS 58 90+00E	201	12	245	0.2	4400	--	--
82Z TS 59 89+50E	201	11	145	0.3	4100	--	--
~~82Z TS 60~~	201	11	68	0.2	5300	--	--

118N 123N

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ATTN: PHIL BURT

CERT. # : A8213914-004-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82Z TS - 61	201	15	57	0.2	5400	--	--
82Z TS - 62	201	13	76	0.2	5600	--	--
82Z TS - 63	201	10	92	0.4	4900	--	--
82Z TS - 64	201	7	124	0.2	5300	--	--
82Z TS - 65	201	9	145	0.3	5300	--	--
2N 0+00E 100+50E	201	47	3000	0.5	2600	--	--
2N 0+50E A101+00E	201	67	750	0.3	850	--	--
2N 0+50E B101+00E	201	16	415	0.4	2700	--	--
2N 1+00E 101+50E	201	16	405	0.3	1000	--	--
2N 1+50E	201	13	390	0.1	1200	--	--
2N 2+00E	201	25	675	0.2	1100	--	--
2N 2+50E	201	133	760	0.6	1100	--	--
2N 3+00E	201	520	1350	1.9 *	920	--	--
2N 3+50E	201	420	800	0.6	720	--	--
2N 4+00E	201	510	1180	1.2	920	--	--
2N 4+50E	201	187	732	0.7	470	--	--
2N 5+00E	201	1900 *	2850 *	6.4 *	620	--	--
2N 5+50E	201	160	1050 *	0.8	900	--	--
2N 6+00E	201	72	600	0.3	1200	--	--
2N 6+50E	201	310	850	0.9	1060	--	--
2N 7+00E	201	190	630	0.3	840	--	--
2N 7+50E	201	44	445	0.1	680	--	--
2N 8+00E	201	22	165	0.2	920	--	--
2N 9+00E 109+50E	201	12	190	0.2	2300	--	--
4N 0+00E 99+50E	201	75	1650	4.0	2200	--	--
4N 1+00E 100+50E	201	1100 *	5500	5.5 *	920	--	--
4N 1+50E 101+00E	201	95	3600	0.8	940	--	--
4N 2+00E 101+50E	201	34	1350	1.2	520	--	--
4N 2+50E	201	64	650	0.5	980	--	--
4N 3+00E	201	4000 *	4700	13.0 *	420	--	--
4N 3+50E	201	33	220	0.5	1180	--	--
4N 4+00E	201	41	710	0.6	1080	--	--
4N 4+50E	201	26	240	1.1	3100	--	--
4N 5+00E	201	11	380	0.6	1800	--	--
4N 5+50E	201	42	430	0.7	1920	--	--
4N 6+00E	201	39	405	0.2	960	--	--
4N 6+50E	201	25	170	0.4	1300	--	--
4N 7+00E 106+50E	201	75	660	0.2	920	--	--
4N 8+00E 107+50E	201	13	835	0.1	720	--	--
4N 8+50E 108E	201	56	320	0.4	530	--	--

Certified by .....Hart Bichler.....

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CANADA V7J 2C1

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TELEX: 043-52597

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213914-005-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
4N 9+00E 108+50E	201	27	215	0.4	500	--	--
6N 0+00E 99+50E	201	180	1050	1.7	1680	--	--
6N 0+50E 100E	201	225	520	2.5	1140	--	--
6N 1+00E 100+50E	201	78	370	0.5	960	--	--
6N 1+50E 101+00E	201	68	442	0.9	920	--	--
6N 2+00E	201	99	700	0.8	740	--	--
6N 2+50E	201	1650	5400	21.0	900	--	--
6N 3+00E	201	600	3100	5.7	740	--	--
6N 3+50E	201	90	2580	3.6	660	--	--
6N 4+00E	201	63	1800	0.8	760	--	--
6N 5+00E	201	53	550	0.1	840	--	--
6N 5+50E	201	20	550	0.2	1080	--	--
6N 6+00E	201	105	350	0.2	1420	--	--
6N 7+00E	201	35	145	0.4	520	--	--
6N 7+50E 107+00E	201	54	170	0.1	1140	--	--
6N 8+00E 107+50E	201	88	165	0.2	460	--	--
6N 8+50E 108+00E	201	24	98	0.1	300	--	--
8N 0+00E 99+50E	201	148	750	0.9	700	--	--
8N 0+50E 100+00E	201	89	510	0.2	1100	--	--
8N 1+00E 100+50E	201	210	1750	0.9	580	--	--
8N 1+50E 101+00E	201	145	980	0.2	530	--	--
8N 2+00E	201	200	865	0.1	600	--	--
8N 2+50E	201	575	1600	1.4	590	--	--
8N 3+00E	201	3000	3680	7.1	1240	--	--
8N 3+50E	201	570	2650	4.1	920	--	--
8N 4+00E	201	670	1250	3.3	600	--	--
8N 4+50E	201	75	195	0.1	600	--	--
8N 5+00E	201	66	245	0.1	620	--	--
8N 5+50E	201	120	440	0.1	800	--	--
8N 6+00E	201	71	82	0.1	600	--	--
8N 6+50E	201	130	145	0.4	480	--	--
8N 7+00E	201	280	295	0.1	1000	--	--
8N 7+50E 107+00E	201	82	115	0.1	1220	--	--
8N 8+00E 107+50E	201	99	353	0.1	880	--	--
8N 8+50E 108+00E	201	90	450	0.7	700	--	--
10N 0+00E 99+00E	201	175	1680	1.2	800	--	--
10N 0+50E 99+50E	201	375	2200	2.3	660	--	--
10N 1+00E 100+00E	201	73	805	0.1	440	--	--
10N 1+50E 100+50E	201	108	920	0.1	750	--	--
10N 2+00E 101+00E	201	57	2000	0.4	520	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213914-006-A
INVOICE # : I8213914
DATE : 18-OCT-82
P.O. # : NONE

Sample description		Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
10N 2+50E	101+50E	201	46	460	0.1	520	--	--
10N 3+00E	102+00E	201	82	620	0.2	600	--	--
10N 3+50E	102+50E	201	1950	2500	8.3	840	--	--
10N 4+00E		201	2700	4500	7.1	720	--	--
10N 4+50E		201	800	1550	2.3	560	--	--
10N 5+00E		201	50	155	0.7	460	--	--
10N 5+50E		201	92	273	0.2	770	--	--
10N 6+00E	105+00E	201	89	128	0.1	520	--	--
10N 7+50E	106+50E	201	74	625	0.1	760	--	--
12N 5+00E	104+00E	201	600	810	0.7	600	--	--
12N 5+50E	104+50E	201	370	880	0.5	700	--	--
12N 6+00E		201	130	460	0.3	680	--	--
12N 6+50E		201	57	140	0.2	540	--	--
12N 7+00E		201	110	208	0.1	640	--	--
12N 7+50E		201	40	188	0.1	740	--	--
12N 8+00E		201	28	105	0.1	530	--	--
12N 8+50E	107+50E	201	18	110	0.1	580	--	--
12N 9+00E	108+00E	201	30	103	0.1	450	--	--

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212 BROOKSBANK AVE.
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TELEPHONE: (604) 984-0221
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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

ATTN: PHIL BURT

CERT. # : A8213911-001-A
INVOICE # : I8213911
DATE : 15-OCT-82
P.O. # : NONE

BEAV

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
10N 6+50E 105+50E	201	51	117	0.1	360	--	--
10N 7+00E 106+00E	201	81	230	0.1	640	--	--
10N 8+00E 107+00E	201	147	600	0.2	600	--	--
10N 8+50E 107+50E	201	85	230	0.5	540	--	--
10N 9+00E 108+00E	201	115	640	0.3	820	--	--

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TC : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-001-A
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
83 BWL 1	201	24	1110	0.2	--	--	--
83 BWL 2	201	21	2500	0.3	--	--	--
83 BWL 3	201	18	210	0.2	--	--	--
83 BWL 4	201	56	970	0.3	--	--	--
83 BWL 5	201	106	570	0.8	--	--	--
80N 87E	201	11	230	0.1	--	--	--
80N 88E	201	11	267	0.1	--	--	--
80N 89E	201	9	207	0.1	--	--	--
80N 90E	201	13	490	0.1	--	--	--
80N 91E	201	5	192	0.1	--	--	--
80N 92E	201	13	400	0.1	--	--	--
80N 93E	201	6	253	0.1	--	--	--
80N 94E	201	8	350	0.3	--	--	--
80N 95E	201	7	82	0.1	--	--	--
80N 96E	201	31	500	0.2	--	--	--
80N 97E	201	18	275	0.3	--	--	--
80N 98E	201	14	131	0.1	--	--	--
80N 99E	201	10	128	0.2	--	--	--
80N 100E	201	14	165	0.7	--	--	--
82N 87E	201	23	333	0.2	--	--	--
82N 88E	201	28	504	0.3	--	--	--
82N 89E	201	3	290	0.2	--	--	--
82N 90E	203	3	147	0.4	--	--	--
82N 91E	201	12	335	0.6	--	--	--
82N 92E	201	15	470	0.4	--	--	--
82N 93E	203	1	53	0.2	--	--	--
82N 94E	201	27	468	0.1	--	--	--
82N 95E	201	23	300	0.1	--	--	--
82N 96E	201	91	700	1.0	--	--	--
82N 97E	201	16	290	0.2	--	--	--
82N 98E	201	11	168	0.1	--	--	--
82N 99E	201	10	200	0.1	--	--	--
82N 100E	201	12	250	0.2	--	--	--
84N 87E	201	11	142	0.1	--	--	--
84N 88E	201	11	275	0.1	--	--	--
84N 89E	201	13	156	0.1	--	--	--
84N 90E	203	2	90	0.1	--	--	--
84N 91E	203	1	51	0.4	--	--	--
84N 92E	201	9	71	1.2	--	--	--
84N 93E	201	11	39	0.4	--	--	--

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CHEMEX LABS LTD.

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-002-A
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
84N 94E	201	62	580	0.1	--	--	--
84N 95E	201	28	173	0.2	--	--	--
84N 96E	201	9	140	0.2	--	--	--
84N 97E	201	10	209	0.2	--	--	--
84N 98E	201	12	121	0.3	--	--	--
84N 99E	201	16	272	0.3	--	--	--
84N 100E	201	16	670	0.5	--	--	--
86N 87E	201	17	296	0.6	--	--	--
86N 88E	201	14	138	0.3	--	--	--
86N 89E	201	6	62	0.3	--	--	--
86N 90E	201	10	119	0.1	--	--	--
86N 91E	201	11	157	0.2	--	--	--
86N 92E	201	1	72	0.3	--	--	--
86N 93E	201	3	104	0.1	--	--	--
86N 94E	201	5	280	0.1	--	--	--
86N 95E	201	7	120	0.4	--	--	--
86N 96E	201	14	120	0.2	--	--	--
86N 97E	201	5	122	0.1	--	--	--
86N 98E	203	9	12	0.4	--	--	--
86N 99E	201	6	172	0.1	--	--	--
86N 100E	201	5	59	0.2	--	--	--
88N 89E	201	4	98	0.1	--	--	--
88N 90E	201	14	148	0.1	--	--	--
88N 91E	201	8	161	0.1	--	--	--
88N 92E	201	9	227	0.2	--	--	--
88N 93E	201	6	139	0.1	--	--	--
88N 94E	201	8	93	0.1	--	--	--
88N 95E	201	5	115	0.1	--	--	--
88N 96E	201	14	175	0.2	--	--	--
88N 97E	201	8	118	0.1	--	--	--
88N 98E	201	7	219	0.1	--	--	--
88N 99E	201	11	210	0.1	--	--	--
88N 100E	201	55	271	0.1	--	--	--
90N 87E	201	8	140	0.1	--	--	--
90N 88E	201	5	137	0.3	--	--	--
90N 89E	201	6	139	0.2	--	--	--
90N 90E	201	9	166	0.1	--	--	--
90N 91E	201	6	182	0.3	--	--	--
90N 92E	201	31	700	0.3	--	--	--
90N 93E	201	26	393	0.2	--	--	--

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-003
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
90N 94E	201	27	580	0.4	--	--	--
90N 95E	201	13	238	0.3	--	--	--
90N 96E	201	11	27	0.1	--	--	--
90N 97E	201	10	132	0.2	--	--	--
90N 98E	201	12	153	0.2	--	--	--
90N 99E	201	13	149	0.1	--	--	--
92N 101E	201	5	108	0.2	--	--	--
92N 102E	201	10	65	0.2	--	--	--
92N 103E	201	8	189	0.1	--	--	--
92N 104E	201	13	425	0.8	--	--	--
92N 105E	201	21	1360	0.5	--	--	--
92N 106E	201	10	290	0.3	--	--	--
92N 107E	201	12	900	0.8	--	--	--
92N 108E	201	13	280	0.1	--	--	--
92N 109E	201	64	760	0.3	--	--	--
92N 110E	201	88	135	0.2	--	--	--
92N 111E	201	83	157	0.3	--	--	--
92N 112E	201	470	700	0.3	--	--	--
92N 113E	201	530	610	1.0	--	--	--
92N 114E	201	173	640	0.2	--	--	--
92N 115E	201	58	290	0.1	--	--	--
92N 116E	201	56	112	0.1	--	--	--
94N 101E	201	12	90	0.1	--	--	--
94N 102E	203	2	9000	0.5	--	--	--
94N 103E	201	15	447	0.2	--	--	--
94N 104E	201	7	173	0.4	--	--	--
94N 105E	201	5	172	0.3	--	--	--
94N 106E	201	1	74	0.5	--	--	--
94N 107E	201	470	690	0.9	--	--	--
94N 108E	201	11	133	0.3	--	--	--
94N 109E	201	22	215	0.3	--	--	--
94N 110E	201	85	244	0.5	--	--	--
94N 111E	201	135	320	0.3	--	--	--
94N 112E	201	148	310	0.3	--	--	--
94N 113E	203	38	165	0.1	--	--	--
94N 114E	201	48	450	0.2	--	--	--
94N 115E	201	20	155	0.2	--	--	--
94N 116E	201	34	136	0.3	--	--	--
96N 101E	203	1	188	0.4	--	--	--
96N 102E	201	12	78	0.1	--	--	--

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TELEX: 043-52597

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-001-A
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
96N 104E	201	10	372	1.0	--	--	--
96N 105E	201	13	380	0.8	--	--	--
96N 106E	201	22	172	1.0	--	--	--
96N 107E	201	18	284	0.7	--	--	--
96N 108E	201	50	219	0.8	--	--	--
96N 109E	201	10	146	0.3	--	--	--
96N 110E	201	32	326	0.6	--	--	--
96N 111E	201	31	316	0.7	--	--	--
96N 112E	201	22	178	0.6	--	--	--
96N 113E	203	64	277	0.6	--	--	--
96N 114E	203	20	106	0.9	--	--	--
96N 115E	203	8	165	0.1	--	--	--
96N 116E	201	101	285	0.3	--	--	--
98N 101E	203	2	102	0.3	--	--	--
98N 102E	201	7	580	0.9	--	--	--
98N 103E	201	7	890	0.7	--	--	--
98N 104E	201	7	118	0.4	--	--	--
98N 105E	201	10	128	0.5	--	--	--
98N 106E	201	19	282	0.7	--	--	--
98N 107E	201	8	190	0.1	--	--	--
98N 108E	201	9	262	0.1	--	--	--
98N 109E	201	3	55	0.1	--	--	--
98N 110E	201	12	310	0.1	--	--	--
98N 111E	201	17	330	0.2	--	--	--
98N 112E	201	15	285	0.2	--	--	--
98N 113E	201	11	58	0.6	--	--	--
98N 114E	201	5	36	0.2	--	--	--
98N 115E	201	10	40	0.2	--	--	--
98N 116E	201	11	92	0.1	--	--	--
116N 101E	201	24	60	0.4	--	--	--
116N 102E	201	110	165	1.6	--	--	--
116N 103E	201	58	125	0.5	--	--	--
116N 104E	201	102	338	0.4	--	--	--
116N 105E	201	79	620	1.0	--	--	--
116N 106E	201	32	700	1.0	--	--	--
116N 107E	201	60	245	0.1	--	--	--
116N 108E	201	31	165	0.1	--	--	--
116N 109E	201	15	405	0.1	--	--	--
116N 110E	201	51	192	0.2	--	--	--
116N 111E	201	8	94	0.1	--	--	--

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-005-A
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
116N 112E	201	7	123	0.4	--	--	--
116N 113E	201	8	88	0.1	--	--	--
116N 114E	201	6	49	0.1	--	--	--
116N 115E	201	68	390	0.3	--	--	--
116N 116E	201	24	204	0.1	--	--	--
118N 117E	201	10	370	0.1	--	--	--
118N 118E	201	7	385	0.1	--	--	--
118N 119E	201	10	435	0.1	--	--	--
118N 120E	201	13	550	0.3	--	--	--
118N 121E	201	13	450	0.1	--	--	--
118N 122E	201	12	235	0.1	--	--	--
118N 123E	201	11	398	0.1	--	--	--
118N 124E	201	10	300	0.1	--	--	--
118N 125E	201	6	170	0.1	--	--	--
118N 126E	201	10	180	0.1	--	--	--
118N 127E	201	14	540	0.3	--	--	--
118N 128E	201	11	500	0.5	--	--	--
118N 129E	201	22	1100	0.5	--	--	--
118N 130E	201	14	650	0.3	--	--	--
120N 101E	201	125	373	1.1	--	--	--
120N 102E	201	190	590	3.2	--	--	--
120N 103E	201	15	110	0.9	--	--	--
120N 104E	201	36	260	0.1	--	--	--
120N 105E	201	42	355	0.5	--	--	--
120N 106E	201	76	435	0.3	--	--	--
120N 107E	201	144	760	0.7	--	--	--
120N 108E	201	95	380	0.8	--	--	--
120N 109E	201	55	630	0.7	--	--	--
120N 110E	201	39	325	0.3	--	--	--
120N 111E	201	14	300	0.1	--	--	--
120N 112E	201	14	138	0.1	--	--	--
120N 113E	201	14	270	0.1	--	--	--
120N 114E	201	10	240	0.1	--	--	--
120N 115E	201	14	365	0.7	--	--	--
120N 116E	201	7	95	0.1	--	--	--
120N 117E	201	3	50	0.1	--	--	--
120N 118E	201	5	93	0.1	--	--	--
120N 119E	201	8	108	0.1	--	--	--
120N 120E	201	14	840	0.2	--	--	--
120N 121E	201	8	255	0.1	--	--	--

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TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311969-006-A
INVOICE # : I8311969
DATE : 27-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
120N 122E	201	16	335	0.2	--	--	--
120N 123E	201	17	258	0.1	--	--	--
120N 124E	201	13	140	0.1	--	--	--
120N 125E	201	7	178	0.3	--	--	--
120N 126E	201	14	275	0.2	--	--	--
120N 127E	201	13	900	0.3	--	--	--
120N 128E	201	11	128	0.2	--	--	--
120N 129E	201	23	195	0.2	--	--	--
120N 130E	201	14	145	0.2	--	--	--

9+10
3.2

0 = 1
.5 = 2
2.5 = 4

164
80/85

87 → 130
87/A3
86

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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-001
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
100N 124E	201	8	32	0.1	--	--	--
100N 125E	201	2	23	0.1	--	--	--
100N 126E	201	15	63	0.1	--	--	--
100N 127E	201	6	39	0.1	--	--	--
100N 128E	201	4	18	0.1	--	--	--
100N 129E	201	5	16	0.1	--	--	--
100N 130E	201	10	60	0.2	--	--	--
102N 113E	201	17	255	0.1	--	--	--
102N 114E	201	10	280	0.5	--	--	--
102N 115E	201	9	320	0.2	--	--	--
102N 116E	201	17	290	0.4	--	--	--
102N 117E	201	2	71	0.1	--	--	--
102N 118E	201	23	105	0.3	--	--	--
102N 119E	201	45	165	0.2	--	--	--
102N 120E	201	56	178	0.1	--	--	--
102N 121E	201	36	340	0.1	--	--	--
102N 122E	201	34	100	0.1	--	--	--
102N 123E	201	29	75	0.1	--	--	--
102N 124E	201	18	72	0.1	--	--	--
102N 125E	201	14	73	0.1	--	--	--
102N 126E	201	8	40	0.1	--	--	--
102N 127E	201	21	88	0.1	--	--	--
102N 128E	201	5	20	0.1	--	--	--
102N 129E	201	6	23	0.1	--	--	--
102N 130E	201	3	25	0.1	--	--	--
104N 110E	201	24	800	0.1	--	--	--
104N 114E	201	35	215	0.1	--	--	--
104N 115E	201	43	845	0.1	--	--	--
104N 116E	201	39	300	0.1	--	--	--
104N 117E	201	27	125	0.1	--	--	--
104N 118E	201	42	248	0.1	--	--	--
104N 119E	201	7	305	0.1	--	--	--
104N 120E	203	1	88	0.1	--	--	--
104N 121E	201	1	65	0.1	--	--	--
104N 122E	203	28	65	0.1	--	--	--
104N 123E	201	43	173	0.1	--	--	--
104N 124E	201	52	128	0.1	--	--	--
104N 125E	201	25	70	0.1	--	--	--
104N 126E	201	14	59	0.1	--	--	--
104N 127E	201	50	107	0.1	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

· ANALYTICAL CHEMISTS · GEOCHEMISTS · REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-002-
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
104N 128E	201	9	31	0.1	--	--	--
104N 129E	201	4	18	0.1	--	--	--
104N 130E	201	10	47	0.1	--	--	--
106N 87E	201	16	3250	1.8	--	--	--
106N 88E	201	6	360	0.1	--	--	--
106N 89E	201	8	140	0.2	--	--	--
106N 110E	201	30	275	0.2	--	--	--
106N 111E	201	28	415	0.2	--	--	--
106N 112E	201	16	365	0.1	--	--	--
106N 113E	201	35	2300	2.0	--	--	--
106N 117E	201	16	115	0.1	--	--	--
106N 118E	201	22	140	0.1	--	--	--
106N 119E	201	28	178	0.2	--	--	--
106N 120E	201	2	53	0.1	--	--	--
106N 121E	201	73	930	0.1	--	--	--
106N 122E	201	14	51	0.2	--	--	--
106N 123E	201	25	105	0.1	--	--	--
106N 124E	201	33	157	0.1	--	--	--
106N 125E	201	9	28	0.1	--	--	--
106N 126E	201	23	140	0.1	--	--	--
106N 127E	201	32	50	0.2	--	--	--
106N 128E	201	38	81	0.1	--	--	--
106N 129E	201	52	132	0.1	--	--	--
106N 130E	201	62	66	0.1	--	--	--
108N 87E	201	41	1480	1.2	--	--	--
108N 88E	201	21	880	0.1	--	--	--
108N 89E	201	6	380	0.2	--	--	--
108N 90E	201	7	320	0.2	--	--	--
108N 110E	201	11	750	0.1	--	--	--
108N 111E	201	20	205	0.2	--	--	--
108N 112E	201	9	252	0.1	--	--	--
108N 113E	201	13	573	0.1	--	--	--
108N 114E	201	17	200	0.4	--	--	--
108N 117E	201	74	468	0.1	--	--	--
108N 118E	201	18	58	1.9	--	--	--
108N 119E	201	34	205	0.1	--	--	--
108N 120E	201	27	178	0.3	--	--	--
108N 121E	201	27	390	0.5	--	--	--
108N 122E	201	30	90	0.5	--	--	--
108N 123E	201	29	98	0.3	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

- ANALYTICAL CHEMISTS - GEOCHEMISTS - REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-003-A
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
108N 124E	201	265	690	0.1	--	--	--
108N 125E	201	26	83	0.1	--	--	--
108N 126E	201	57	158	0.1	--	--	--
108N 127E	201	13	50	0.1	--	--	--
108N 128E	201	14	82	0.1	--	--	--
108N 129E	201	67	365	0.1	--	--	--
108N 130E	201	87	240	0.1	--	--	--
110N 87+00E	201	16	6850	0.6	--	--	--
110N 87+50E	201	15	2900	0.5	--	--	--
110N 88+00E	201	15	990	0.4	--	--	--
110N 88+50E	201	10	760	0.3	--	--	--
110N 89+00E	201	29	850	0.3	--	--	--
110N 89+50E	201	12	375	0.2	--	--	--
110N 90+00E	201	8	485	0.2	--	--	--
110N 90+50E	201	20	497	0.2	--	--	--
110N 110+00E	201	9	45	0.1	--	--	--
110N 110+50E	201	8	465	0.1	--	--	--
110N 111+00E	201	51	340	1.0	--	--	--
110N 111+50E	201	38	330	0.4	--	--	--
110N 112+00E	201	15	265	0.1	--	--	--
110N 112+50E	201	15	400	0.1	--	--	--
110N 113+00E	201	21	233	0.2	--	--	--
110N 113+50E	201	41	595	0.1	--	--	--
110N 114+00E	201	30	475	0.1	--	--	--
110N 114+50E	201	68	325	0.4	--	--	--
110N 115+00E	201	17	325	0.4	--	--	--
110N 117E	201	10	175	0.1	--	--	--
110N 118E	201	31	92	0.4	--	--	--
110N 119E	201	31	42	0.3	--	--	--
110N 120E	201	31	83	0.3	--	--	--
110N 121E	201	30	205	0.4	--	--	--
110N 122E	201	68	368	0.2	--	--	--
110N 123E	201	590	1280	0.2	--	--	--
110N 124E	201	47	545	0.1	--	--	--
110N 125E	201	195	710	0.2	--	--	--
110N 126E	201	7	50	0.1	--	--	--
112N 87E	201	17	1050	2.3	--	--	--
112N 88E	201	13	558	0.5	--	--	--
112N 89E	201	14	265	0.1	--	--	--
112N 90E	201	10	530	0.1	--	--	--

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212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-004-A
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
112N 91E	201	19	495	0.2	--	--	--
112N 101E	201	33	265	0.1	--	--	--
112N 102E	201	147	790	0.2	--	--	--
112N 110E	201	3	675	0.2	--	--	--
112N 111E	201	8	465	0.2	--	--	--
112N 112E	201	11	295	0.1	--	--	--
112N 113E	201	9	278	0.1	--	--	--
112N 114E	201	26	815	0.1	--	--	--
112N 115E	201	88	420	0.8	--	--	--
112N 116E	201	72	268	0.8	--	--	--
112N 117E	201	72	470	0.1	--	--	--
112N 120E	201	640	980	1.6	--	--	--
112N 121E	201	21	100	0.6	--	--	--
112N 122E	201	40	98	0.1	--	--	--
112N 123E	201	92	335	0.1	--	--	--
112N 124E	201	5	173	0.1	--	--	--
112N 127E	201	7	328	0.2	--	--	--
112N 128E	201	30	183	0.1	--	--	--
112N 129E	201	17	388	0.5	--	--	--
112N 130E	201	8	63	0.1	--	--	--
114N 117E	201	36	360	0.1	--	--	--
114N 118E	201	5	2000	0.1	--	--	--
114N 119E	201	18	205	0.6	--	--	--
114N 125E	201	6	168	0.1	--	--	--
→ 114N 126E	201	6	382	0.1	--	--	--
114N 127E	201	8	185	0.5	--	--	--
→ 114N 128E	201	2	2030	0.1	--	--	--
114N 129E	201	62	755	1.8	--	--	--
114N 130E	201	1	1050	0.1	--	--	--
116N 117E	201	41	340	0.4	--	--	--
116N 118E	201	60	280	0.1	--	--	--
116N 119E	201	10	375	0.2	--	--	--
116N 120E	201	9	330	0.1	--	--	--
116N 121E	201	5	308	0.2	--	--	--
116N 122E	201	30	105	0.1	--	--	--
116N 123E	201	5	195	0.1	--	--	--
116N 124E	201	42	520	0.1	--	--	--
116N 125E	201	7	178	0.1	--	--	--
116N 126E	201	7	370	0.1	--	--	--
116N 127E	201	7	560	0.1	--	--	--

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-005-A
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
116N 128E	201	11	830	0.3	--	--	--
116N 129E	201	5	325	0.2	--	--	--
116N 130E	201	8	515	0.2	--	--	--
118N 111E	201	39	375	0.3	--	--	--
118N 112E	201	14	113	0.1	--	--	--
118N 113E	201	13	103	0.1	--	--	--
118N 114E	201	25	253	0.1	--	--	--
118N 115E	201	6	163	0.1	--	--	--
118N 116E	201	24	150	0.1	--	--	--
122N 111E	201	47	440	0.8	--	--	--
122N 112E	201	43	245	0.5	--	--	--
122N 113E	201	31	650	0.2	--	--	--
122N 114E	201	26	410	0.3	--	--	--
122N 115E	201	15	200	0.1	--	--	--
122N 116E	201	7	112	0.1	--	--	--
122N 117E	201	15	300	0.1	--	--	--
122N 118E	201	13	282	0.1	--	--	--
122N 119E	201	5	163	0.1	--	--	--
122N 120E	201	7	170	0.1	--	--	--
122N 121E	201	13	200	0.4	--	--	--
122N 122E	201	8	155	0.1	--	--	--
122N 123E	201	8	218	0.2	--	--	--
122N 124E	201	21	318	0.1	--	--	--
122N 125E	201	10	102	0.1	--	--	--
122N 126E	201	12	125	0.2	--	--	--
122N 127E	201	8	82	0.1	--	--	--
122N 128E	201	6	85	0.1	--	--	--
122N 129E	201	8	100	0.1	--	--	--
122N 130E	201	25	935	0.2	--	--	--
128N 117E	201	4	575	0.1	--	--	--
128N 118E	201	11	465	0.1	--	--	--
128N 119E	201	14	175	0.1	--	--	--
128N 120E	201	20	218	0.4	--	--	--
128N 121E	201	16	730	1.0	--	--	--
128N 122E	201	15	660	0.7	--	--	--
128N 123E	201	11	95	0.3	--	--	--
128N 124E	201	14	110	0.1	--	--	--
128N 125E	201	32	570	0.1	--	--	--
128N 126E	201	12	145	0.1	--	--	--
128N 127E	201	13	920	0.2	--	--	--

126N

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NORTH VANCOUVER, B.C.
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TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312311-006-
INVOICE # : I8312311
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
128N 128E	201	13	102	0.1	--	--	--
128N 129E	201	14	95	0.1	--	--	--
130N 117E	201	7	275	0.1	--	--	--
130N 118E	201	14	198	0.2	--	--	--
130N 119E	201	6	210	0.1	--	--	--
130N 120E	201	15	108	0.1	--	--	--
130N 121E	201	7	98	0.1	--	--	--
130N 122E	201	10	133	0.1	--	--	--
130N 123E	201	1	5250	0.2	--	--	--
130N 124E	201	1	3050	0.2	--	--	--
130N 125E	201	8	118	0.1	--	--	--
130N 126E	205	5	98	0.1	--	--	--
130N 127E	205	1	53	0.1	--	--	--
130N 128E	201	10	670	0.1	--	--	--
130N 129E	201	9	90	0.1	--	--	--
130N 130E	201	1	93	0.1	--	--	--
132N 117E	201	3	410	0.1	--	--	--
132N 118E	201	9	530	0.3	--	--	--
132N 119E	201	10	105	0.2	--	--	--
132N 120E	201	13	775	0.3	--	--	--
132N 121E	201	9	145	0.1	--	--	--
132N 122E	201	6	105	0.1	--	--	--
132N 123E	201	5	28	0.1	--	--	--
132N 124E	201	6	106	0.1	--	--	--
132N 125E	201	7	95	0.1	--	--	--
132N 126E	201	8	140	0.1	--	--	--
132N 127E	201	3	75	0.1	--	--	--
132N 128E	205	1	56	0.1	--	--	--
132N 129E	201	7	150	0.1	--	--	--
132N 130E	201	5	200	0.1	--	--	--
134N 117E	201	10	1000	0.1	--	--	--
134N 118E	201	9	485	0.3	--	--	--
134N 119E	201	8	82	0.1	--	--	--
134N 120E	201	10	580	0.3	--	--	--
134N 121E	201	7	93	0.1	--	--	--
134N 122E	201	1	223	0.2	--	--	--
134N 123E	201	8	385	0.3	--	--	--
134N 124E	201	5	115	0.1	--	--	--
134N 125E	201	11	318	0.1	--	--	--
134N 126E	201	8	160	0.1	--	--	--

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312113-001-A
INVOICE # : I8312113
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
148N 101E	201	3	405	0.1	--	--	--
148N 102E	201	21	470	0.1	--	--	--
148N 103E	201	18	205	0.1	--	--	--
148N 104E	201	12	100	0.1	--	--	--
148N 105E	201	11	60	0.1	--	--	--
148N 106E	201	39	428	0.7	--	--	--
148N 107E	201	35	950	1.3	--	--	--
148N 108E	201	12	340	0.4	--	--	--
148N 109E	201	22	200	0.3	--	--	--
148N 110E	201	34	245	0.4	--	--	--
148N 111E	201	18	160	0.1	--	--	--
148N 112E	201	20	195	0.1	--	--	--
148N 113E	201	31	200	0.2	--	--	--
148N 114E	201	10	455	0.2	--	--	--
148N 115E	201	10	405	0.3	--	--	--
148N 116E	201	19	400	0.4	--	--	--
150N 101E	201	15	710	0.3	--	--	--
150N 102E	201	3	5800	0.2	--	--	--
150N 103E	201	21	450	0.2	--	--	--
150N 104E	201	33	480	0.3	--	--	--
150N 105E	201	26	640	0.4	--	--	--
150N 106E	201	35	530	0.5	--	--	--
150N 107E	201	12	110	0.1	--	--	--
150N 108E	201	13	235	0.1	--	--	--
150N 109E	201	3	172	0.1	--	--	--
150N 110E	201	26	1030	0.1	--	--	--
150N 111E	201	15	460	0.1	--	--	--
150N 112E	201	32	300	0.2	--	--	--
150N 113E	201	21	318	0.3	--	--	--
150N 114E	201	15	370	0.2	--	--	--
150N 115E	201	10	375	0.1	--	--	--
150N 116E	201	25	240	0.3	--	--	--
150N 116E A	201	20	158	0.2	--	--	--
150N 117E	201	20	310	0.3	--	--	--
150N 118E	201	19	270	0.3	--	--	--
150N 119E	201	12	108	0.5	--	--	--
150N 120E	201	17	215	0.3	--	--	--
150N 121E	201	4	140	0.4	--	--	--
150N 122E	201	16	62	0.4	--	--	--
150N 123E	201	16	92	0.7	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312113-002-
INVOICE # : I8312113
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
150N 124E	201	17	80	0.3	--	--	--
150N 125E	201	16	98	0.3	--	--	--
150N 126E	201	18	98	0.3	--	--	--
150N 127E	201	17	63	0.4	--	--	--
150N 128E	201	19	95	0.2	--	--	--
150N 129E	201	11	26	0.1	--	--	--
150N 130E	201	10	76	0.1	--	--	--
152N 101E	201	8	325	0.1	--	--	--
152N 102E	201	12	435	0.2	--	--	--
152N 103E	201	10	420	0.2	--	--	--
152N 104E	201	40	530	0.3	--	--	--
152N 105E	201	23	445	0.2	--	--	--
152N 106E	201	28	395	0.5	--	--	--
152N 108E	201	6	230	0.3	--	--	--
152N 109E	201	2	53	0.1	--	--	--
152N 110E	201	12	93	0.1	--	--	--
152N 111E	201	11	224	0.2	--	--	--
152N 112E	201	14	138	0.2	--	--	--
152N 113E	201	5	128	0.1	--	--	--
152N 114E	201	37	380	0.1	--	--	--
152N 116E	201	18	93	0.1	--	--	--
152N 117E	201	15	135	0.3	--	--	--
152N 118E	201	16	170	0.1	--	--	--
152N 119E	201	18	53	0.1	--	--	--
152N 120E	201	12	35	0.1	--	--	--
152N 121E	201	13	120	0.1	--	--	--
152N 122E	201	6	98	0.2	--	--	--
152N 123E	201	10	70	0.1	--	--	--
152N 124E	201	15	78	0.4	--	--	--
152N 125E	201	12	68	0.9	--	--	--
152N 126E	201	14	98	0.1	--	--	--
152N 127E	201	16	120	0.2	--	--	--
152N 128E	201	12	140	0.3	--	--	--
152N 130E	201	8	22	0.1	--	--	--
154N 101E	201	7	110	0.1	--	--	--
154N 102E	201	6	320	0.1	--	--	--
154N 103E	201	5	85	0.2	--	--	--
154N 104E	201	1	250	0.1	--	--	--
154N 105E	201	18	470	0.3	--	--	--
154N 106E	201	21	305	0.2	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312113-003-A
INVOICE # : I8312113
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
154N 107E	201	19	450	0.4	--	--	--
154N 108E	201	1	118	0.1	--	--	--
154N 109E	201	1	49	0.1	--	--	--
154N 110E	201	17	175	0.2	--	--	--
154N 111E	201	15	133	0.1	--	--	--
154N 112E	201	9	270	0.4	--	--	--
154N 113E	201	1	32	0.4	--	--	--
154N 114E	201	1	123	0.1	--	--	--
154N 115E	201	21	940	0.6	--	--	--
156N 101E	201	7	520	0.1	--	--	--
156N 102E	201	7	295	0.2	--	--	--
156N 103E	201	1	100	0.1	--	--	--
156N 104E	201	9	170	0.1	--	--	--
156N 105E	201	5	400	0.5	--	--	--
156N 106E	201	13	500	0.4	--	--	--
156N 107E	217	1	240	0.1	--	--	--
156N 108E	217	1	80	0.1	--	--	--
156N 109E	201	1	68	0.1	--	--	--
156N 110E	201	11	268	0.1	--	--	--
156N 111E	201	4	145	0.2	--	--	--
156N 112E	201	19	1200	0.4	--	--	--
156N 113E	201	14	1800	0.4	--	--	--
156N 114E	201	11	365	0.1	--	--	--
158N 101E	201	6	125	0.2	--	--	--
158N 102E	201	1	65	0.1	--	--	--
158N 103E	201	1	72	0.1	--	--	--
158N 104E	201	6	468	0.2	--	--	--
158N 105E	201	7	350	0.2	--	--	--
158N 106E	201	9	895	0.5	--	--	--
158N 107E	201	8	220	0.4	--	--	--
158N 108E	201	18	670	0.4	--	--	--
158N 109E	201	15	360	0.4	--	--	--
158N 110E	201	42	615	0.5	--	--	--
158N 111E	201	20	910	0.4	--	--	--
158N 112E	201	4	330	0.2	--	--	--
158N 113E	201	10	880	0.4	--	--	--
158N 114E	201	17	1880	0.5	--	--	--
160N 101E	201	4	50	0.1	--	--	--
160N 102E	201	8	1600	0.3	--	--	--
160N 103E	201	38	380	0.4	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312113-004-
INVOICE # : I8312113
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
160N 104E	201	11	148	0.2	--	--	--
160N 105E	201	5	425	0.3	--	--	--
160N 106E	201	6	145	0.2	--	--	--
160N 107E	201	9	165	0.2	--	--	--
160N 108E	201	5	122	0.2	--	--	--
160N 109E	201	12	385	0.4	--	--	--
160N 110E	201	8	190	0.1	--	--	--
160N 111E	201	13	234	0.2	--	--	--
160N 112E	201	8	1180	0.3	--	--	--
160N 113E	201	9	3900	1.0	--	--	--
160N 114E	201	6	2250	0.6	--	--	--
162N 101E	201	10	520	0.3	--	--	--
162N 102E	201	33	115	0.2	--	--	--
162N 103E	201	13	120	0.1	--	--	--
162N 104E	201	26	168	0.6	--	--	--
162N 105E	201	19	230	0.4	--	--	--
162N 106E	201	4	168	0.2	--	--	--
162N 107E	201	6	430	0.2	--	--	--
162N 108E	201	11	1030	0.9	--	--	--
162N 109E	201	13	158	0.2	--	--	--
162N 110E	201	13	680	0.4	--	--	--
162N 111E	201	12	300	0.3	--	--	--
162N 112E	201	18	145	0.3	--	--	--
162N 113E	201	7	300	0.4	--	--	--
162N 114E	201	8	320	0.5	--	--	--

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TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-001-A
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
80N 101E	201	7	620	0.1	--	--	--
80N 103E	201	1	145	0.1	--	--	--
80N 104E	201	1	770	0.5	--	--	--
80N 105E	201	5	225	0.1	--	--	--
80N 106E	201	1	105	0.1	--	--	--
80N 107E	201	6	263	0.2	--	--	--
80N 108E	201	1	190	0.2	--	--	--
80N 109E	201	7	1000	0.1	--	--	--
80N 110E	201	11	580	0.2	--	--	--
80N 111E	201	12	450	0.1	--	--	--
80N 112E	201	9	340	0.3	--	--	--
80N 113E	201	12	520	1.3	--	--	--
80N 114E	201	7	405	0.1	--	--	--
80N 115E	201	1	184	0.1	--	--	--
80N 116E	201	6	202	0.3	--	--	--
80N 117E	201	5	178	0.2	--	--	--
80N 118E	201	13	570	0.2	--	--	--
80N 119E	201	25	330	0.6	--	--	--
80N 120E	201	40	295	0.8	--	--	--
80N 121E	201	42	388	0.7	--	--	--
80N 122E	201	16	105	0.1	--	--	--
80N 123E	201	27	90	0.4	--	--	--
80N 124E	201	22	78	0.1	--	--	--
80N 125E	201	11	13	0.1	--	--	--
80N 126E	201	2	17	0.1	--	--	--
80N 127E	201	3	23	0.1	--	--	--
80N 128E	201	6	50	0.1	--	--	--
80N 129E	201	10	66	0.1	--	--	--
80N 130E	201	11	62	0.1	--	--	--
82N 101E	201	19	420	0.1	--	--	--
82N 104E	201	9	160	0.1	--	--	--
82N 105E	201	14	325	0.1	--	--	--
82N 106E	201	8	158	0.1	--	--	--
82N 107E	201	13	190	0.2	--	--	--
82N 108E	201	1	98	0.1	--	--	--
82N 109E	201	5	710	0.4	--	--	--
82N 110E	201	7	350	0.1	--	--	--
82N 111E	201	9	600	0.2	--	--	--
82N 112E	201	1	92	0.1	--	--	--
82N 113E	201	8	248	0.4	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-002-A
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
82N 114E	201	4	250	0.3	--	--	--
82N 115E	201	69	445	0.4	--	--	--
82N 116E	201	64	385	0.3	--	--	--
82N 117E	201	12	275	0.5	--	--	--
82N 118E	201	88	410	0.3	--	--	--
82N 119E	201	30	757	0.4	--	--	--
82N 120E	201	22	200	0.4	--	--	--
82N 121E	201	36	220	0.2	--	--	--
82N 122E	201	53	230	0.3	--	--	--
82N 123E	201	26	75	0.1	--	--	--
82N 124E	201	11	28	0.3	--	--	--
82N 125E	201	9	41	0.1	--	--	--
82N 126E	201	9	12	0.2	--	--	--
82N 127E	201	3	19	0.1	--	--	--
82N 128E	201	28	20	0.1	--	--	--
82N 129E	201	23	160	0.3	--	--	--
82N 130E	201	23	26	0.1	--	--	--
84N 101E	201	12	215	0.2	--	--	--
84N 105E	201	4	88	0.2	--	--	--
84N 106E	201	8	145	0.1	--	--	--
84N 107E	201	12	300	0.1	--	--	--
84N 108E	201	1	110	0.4	--	--	--
84N 109E	201	9	700	0.3	--	--	--
84N 110E	201	11	710	0.4	--	--	--
84N 111E	201	1	220	0.1	--	--	--
84N 112E	201	1	78	0.1	--	--	--
84N 113E	201	9	1180	0.3	--	--	--
84N 114E	201	240	335	1.0	--	--	--
84N 115E	201	130	253	0.3	--	--	--
84N 116E	201	17	65	0.3	--	--	--
84N 117E	201	5	55	0.2	--	--	--
84N 118E	201	13	53	0.1	--	--	--
84N 119E	201	18	152	0.1	--	--	--
84N 120E	201	8	31	0.1	--	--	--
84N 121E	201	4	7	0.1	--	--	--
84N 122E	201	152	650	0.2	--	--	--
84N 123E	201	14	57	0.1	--	--	--
84N 124E	201	770	1750	0.1	--	--	--
84N 125E	201	17	38	0.1	--	--	--
84N 126E	201	14	18	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-003-
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
84N 127E	201	58	13	0.1	--	--	--
84N 128E	201	19	28	0.1	--	--	--
84N 129E	201	15	85	0.1	--	--	--
84N 130E	201	14	185	0.1	--	--	--
86N 101E	201	11	148	0.1	--	--	--
86N 105E	201	16	493	0.4	--	--	--
86N 106E	201	72	375	0.3	--	--	--
86N 107E	201	27	3650	2.0	--	--	--
86N 108E	201	16	420	0.3	--	--	--
86N 109E	201	44	480	0.2	--	--	--
86N 110E	201	22	230	0.2	--	--	--
86N 111E	201	18	248	0.1	--	--	--
86N 112E	201	66	700	0.1	--	--	--
86N 113E	201	285	505	0.5	--	--	--
86N 114E	201	57	135	0.4	--	--	--
86N 115E	201	18	98	0.3	--	--	--
86N 116E	201	43	288	1.0	--	--	--
86N 117E	201	19	72	0.1	--	--	--
86N 118E	201	178	215	0.3	--	--	--
86N 119E	201	51	580	0.2	--	--	--
86N 120E	201	16	270	0.1	--	--	--
86N 121E	201	67	290	0.1	--	--	--
86N 122E	201	26	95	0.2	--	--	--
86N 123E	201	16	59	0.1	--	--	--
86N 124E	201	54	140	0.1	--	--	--
86N 126E	201	61	135	0.1	--	--	--
86N 127E	201	3	10	0.1	--	--	--
86N 128E	201	5	16	0.1	--	--	--
86N 129E	201	15	92	0.1	--	--	--
86N 130E	201	15	28	0.1	--	--	--
88N 104E	201	11	88	0.2	--	--	--
88N 105E	201	18	155	0.2	--	--	--
88N 106E	201	13	270	0.1	--	--	--
88N 107E	203	14	193	0.1	--	--	--
88N 108E	201	20	730	0.4	--	--	--
88N 109E	201	11	530	0.1	--	--	--
88N 110E	201	183	1400	0.2	--	--	--
88N 111E	201	16	328	0.1	--	--	--
88N 112E	201	670	210	0.4	--	--	--
88N 113E	201	19	330	0.1	--	--	--

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NORTH VANCOUVER, B.C.
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TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-004-A
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
88N 114E	201	2500	1080	3.2	--	--	--
88N 115E	201	120	210	0.1	--	--	--
88N 116E	201	58	330	0.4	--	--	--
88N 117E	201	233	425	0.5	--	--	--
88N 118E	201	210	420	0.2	--	--	--
88N 119E	201	57	1050	0.1	--	--	--
88N 120E	201	39	165	0.1	--	--	--
88N 121E	201	40	160	0.1	--	--	--
88N 122E	201	124	130	0.2	--	--	--
88N 123E	201	38	248	0.2	--	--	--
88N 124E	201	48	86	0.4	--	--	--
88N 125E	201	23	86	0.1	--	--	--
88N 126E	201	48	158	0.2	--	--	--
88N 127E	201	73	72	0.1	--	--	--
88N 128E	201	50	200	0.2	--	--	--
88N 129E	201	30	78	0.1	--	--	--
88N 130E	201	18	63	0.1	--	--	--
90N 102E	201	10	1900	0.4	--	--	--
90N 103E	201	1	73	0.1	--	--	--
90N 104E	201	4	68	0.1	--	--	--
90N 105E	201	8	58	0.1	--	--	--
90N 106E	201	14	168	0.2	--	--	--
90N 107E	201	21	320	0.2	--	--	--
90N 108E	201	11	145	0.1	--	--	--
90N 109E	201	18	650	0.2	--	--	--
90N 110E	201	16	345	0.1	--	--	--
90N 111E	201	28	450	0.1	--	--	--
90N 112E	201	45	155	0.1	--	--	--
90N 113E	201	80	220	0.1	--	--	--
90N 114E	201	193	420	0.1	--	--	--
90N 115E	201	405	1150	0.7	--	--	--
90N 116E	201	47	260	0.1	--	--	--
90N 117E	201	208	1030	0.1	--	--	--
90N 118E	201	140	243	0.2	--	--	--
90N 119E	201	410	485	0.1	--	--	--
90N 120E	201	200	860	0.3	--	--	--
90N 121E	201	41	153	0.1	--	--	--
90N 122E	201	39	260	0.6	--	--	--
90N 123E	201	58	135	0.1	--	--	--
90N 124E	201	28	168	0.1	--	--	--

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TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-005-A
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
90N 125E	201	72	580	0.1	--	--	--
90N 126E	201	65	203	0.1	--	--	--
90N 127E	201	7	23	0.1	--	--	--
90N 128E	201	5	40	0.1	--	--	--
90N 129E	201	4	20	0.1	--	--	--
90N 130E	201	11	20	0.1	--	--	--
92N 117E	201	32	240	0.1	--	--	--
92N 118E	201	14	88	0.1	--	--	--
92N 119E	201	42	125	0.1	--	--	--
92N 120E	201	68	148	0.2	--	--	--
92N 121E	201	225	570	0.1	--	--	--
92N 122E	201	51	120	0.1	--	--	--
92N 123E	201	85	165	0.1	--	--	--
92N 124E	201	65	195	0.1	--	--	--
92N 125E	201	68	250	0.2	--	--	--
92N 126E	201	6	26	0.1	--	--	--
92N 127E	201	32	95	0.1	--	--	--
92N 128E	201	71	190	0.1	--	--	--
92N 129E	201	15	33	0.1	--	--	--
92N 130E	201	62	153	0.1	--	--	--
94N 117E	201	22	240	0.2	--	--	--
94N 118E	201	62	255	0.2	--	--	--
94N 119E	201	83	520	0.2	--	--	--
94N 120E	201	68	310	0.2	--	--	--
94N 121E	201	41	260	0.2	--	--	--
94N 122E	201	22	88	0.1	--	--	--
94N 123E	201	68	123	0.1	--	--	--
94N 124E	201	9	72	0.1	--	--	--
94N 125E	201	1	17	0.1	--	--	--
94N 126E	201	3	42	0.2	--	--	--
94N 127E	201	13	130	0.1	--	--	--
94N 128E	201	17	155	0.1	--	--	--
94N 129E	201	11	28	0.1	--	--	--
94N 130E	201	8	20	0.1	--	--	--
96N 117E	201	38	158	0.1	--	--	--
96N 118E	217	3	125	0.1	--	--	--
96N 119E	201	38	205	0.1	--	--	--
96N 120E	201	16	65	0.1	--	--	--
96N 121E	201	22	220	0.1	--	--	--
96N 122E	201	1	17	0.1	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

- ANALYTICAL CHEMISTS · GEOCHEMISTS · REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312310-006-A
INVOICE # : I8312310
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
96N 123E	201	32	89	0.1	--	--	--
96N 124E	201	4	17	0.1	--	--	--
96N 125E	201	13	30	0.1	--	--	--
96N 126E	201	13	31	0.1	--	--	--
96N 127E	201	21	40	0.1	--	--	--
96N 128E	201	7	33	0.1	--	--	--
96N 129E	201	20	61	0.1	--	--	--
96N 130E	201	10	44	0.1	--	--	--
98N 117E	201	24	132	0.1	--	--	--
98N 118E	217	2	25	0.1	--	--	--
98N 119E	201	18	120	0.1	--	--	--
98N 120E	201	12	47	0.1	--	--	--
98N 121E	201	1	21	0.1	--	--	--
98N 122E	201	17	30	0.1	--	--	--
98N 123E	201	20	75	0.1	--	--	--
98N 124E	201	13	55	0.1	--	--	--
98N 125E	201	8	70	0.1	--	--	--
98N 126E	201	12	83	0.1	--	--	--
98N 127E	201	4	31	0.1	--	--	--
98N 128E	201	3	24	0.1	--	--	--
98N 129E	201	6	33	0.1	--	--	--
98N 130E	201	16	77	0.1	--	--	--
100N 103E	201	9	178	0.1	--	--	--
100N 104E	201	420	1280	3.8	--	--	--
100N 105E	201	16	275	0.3	--	--	--
100N 106E	201	12	250	0.3	--	--	--
100N 110E	201	74	310	0.2	--	--	--
100N 111E	201	7	162	0.1	--	--	--
100N 112E	201	21	750	0.8	--	--	--
100N 113E	201	3	90	0.1	--	--	--
100N 114E	201	15	135	0.1	--	--	--
100N 115E	201	31	110	0.1	--	--	--
100N 116E	201	114	313	0.1	--	--	--
100N 117E	201	4	49	0.1	--	--	--
100N 118E	201	1	42	0.1	--	--	--
100N 119E	201	20	400	0.1	--	--	--
100N 120E	201	88	205	0.1	--	--	--
100N 121E	201	31	90	0.1	--	--	--
100N 122E	201	16	63	0.1	--	--	--
100N 123E	201	3	42	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by ..Hart Bichler....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

- ANALYTICAL CHEMISTS - GEOCHEMISTS - REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311971-001-A
INVOICE # : I8311971
DATE : 24-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
83 BBT 1	205	372	2080	2.8	--	--	--
83 BBT 2	205	4000	>10000	5.6	--	--	--
83 BWT 1	205	204	850	1.7	--	--	--
83 BWT 2	205	49	307	1.0	--	--	--
83 BWT 3	205	8	303	0.5	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER B.C.
CANADA V7J 2C1

TELEPHONE (604) 984-0221
TELEX: 043-52597

· ANALYTICAL CHEMISTS · GEOCHEMISTS · REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1030 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-C01-
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
134N 127E	201	2	91	0.1	--	--	--
134N 128E	201	2	76	0.1	--	--	--
134N 129E	201	1	50	0.2	--	--	--
134N 130E	201	1	66	0.1	--	--	--
136N 117E	201	3	270	0.1	--	--	--
136N 118E	201	7	248	0.1	--	--	--
136N 119E	201	11	515	0.3	--	--	--
136N 120E	201	18	205	0.1	--	--	--
136N 121E	201	13	155	0.1	--	--	--
136N 122E	201	7	33	0.2	--	--	--
136N 123E	201	21	165	0.1	--	--	--
136N 124E	201	11	130	0.1	--	--	--
136N 125E	201	15	135	0.2	--	--	--
136N 126E	201	2	77	0.1	--	--	--
136N 127E	201	9	86	0.1	--	--	--
136N 128E	201	11	138	0.1	--	--	--
136N 129E	201	5	65	0.1	--	--	--
136N 130E	201	13	98	0.1	--	--	--
138N 117E	201	25	470	0.1	--	--	--
138N 118E	201	86	560	0.2	--	--	--
138N 119E	201	21	163	0.1	--	--	--
138N 120E	201	22	19	0.1	--	--	--
138N 121E	201	13	22	0.1	--	--	--
138N 122E	201	11	95	0.1	--	--	--
138N 123E	201	18	25	0.1	--	--	--
138N 124E	201	13	118	0.1	--	--	--
138N 125E	201	15	136	0.2	--	--	--
138N 126E	201	17	78	0.9	--	--	--
138N 127E	201	16	45	1.9	--	--	--
138N 128E	201	18	45	0.7	--	--	--
138N 129E	201	6	33	0.1	--	--	--
138N 130E	201	21	60	0.7	--	--	--
140N 117E	201	18	920	0.9	--	--	--
140N 118E	201	14	1500	1.0	--	--	--
140N 119E	201	17	20	0.1	--	--	--
140N 120E	201	22	16	0.4	--	--	--
140N 121E	201	8	31	0.1	--	--	--
140N 122E	201	16	110	0.1	--	--	--
140N 123E	201	8	58	0.1	--	--	--
140N 124E	201	22	85	0.4	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

· ANALYTICAL CHEMISTS · GEOCHEMISTS · REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-C02-A
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
140N 125E	201	14	190	0.1	--	--	--
140N 126E	201	13	97	0.1	--	--	--
140N 127E	201	21	22	0.2	--	--	--
140N 128E	201	21	45	1.3	--	--	--
140N 129E	201	2	18	0.1	--	--	--
140N 130E	201	10	23	0.1	--	--	--
142N 117E	201	13	375	0.1	--	--	--
142N 118E	201	17	1200	1.7	--	--	--
142N 119E	201	120	185	1.7	--	--	--
142N 120E	201	20	29	0.4	--	--	--
142N 121E	201	13	24	0.1	--	--	--
142N 122E	201	15	125	0.1	--	--	--
142N 123E	201	11	95	0.1	--	--	--
142N 124E	201	13	85	0.1	--	--	--
142N 125E	201	13	150	0.2	--	--	--
142N 126E	201	15	30	0.7	--	--	--
142N 127E	201	12	39	0.1	--	--	--
142N 128E	201	16	46	0.1	--	--	--
142N 129E	201	11	67	0.1	--	--	--
142N 130E	201	12	58	0.2	--	--	--
144N 117E	201	16	275	0.1	--	--	--
144N 118E	201	12	1680	2.4	--	--	--
144N 119E	201	15	29	0.3	--	--	--
144N 120E	201	49	145	0.4	--	--	--
144N 121E	201	20	165	0.2	--	--	--
144N 122E	201	11	35	0.1	--	--	--
144N 123E	201	11	113	0.1	--	--	--
144N 124E	201	13	155	0.1	--	--	--
144N 125E	201	12	163	0.1	--	--	--
144N 126E	201	12	118	0.1	--	--	--
144N 127E	201	9	46	0.1	--	--	--
144N 128E	201	22	115	0.2	--	--	--
144N 129E	201	9	55	0.2	--	--	--
144N 130E	201	12	40	0.3	--	--	--
146N 115E	201	17	310	0.2	--	--	--
146N 116E	201	1	153	0.1	--	--	--
146N 117E	201	1	105	0.1	--	--	--
146N 118E	201	1	128	0.2	--	--	--
146N 119E	201	12	145	0.7	--	--	--
146N 120E	201	12	155	0.3	--	--	--

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NORTH VANCOUVER, B.C.
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TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-C03-
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
146N 121E	201	22	90	0.2	--	--	--
146N 122E	201	20	180	0.8	--	--	--
146N 123E	201	28	93	0.8	--	--	--
146N 124E	201	14	120	0.5	--	--	--
146N 125E	201	15	145	0.1	--	--	--
146N 126E	201	16	147	0.1	--	--	--
146N 127E	201	15	138	0.1	--	--	--
146N 128E	201	11	70	0.1	--	--	--
146N 129E	201	11	58	0.2	--	--	--
146N 130E	201	10	38	0.1	--	--	--
148N 115E	201	20	270	0.1	--	--	--
148N 116E	201	14	140	0.1	--	--	--
148N 117E	201	12	78	0.2	--	--	--
148N 118E	201	12	124	0.3	--	--	--
148N 119E	201	19	49	0.5	--	--	--
148N 120E	201	5	30	0.4	--	--	--
148N 121E	201	17	90	0.1	--	--	--
148N 122E	201	10	60	0.2	--	--	--
148N 123E	201	6	25	0.3	--	--	--
148N 124E	201	14	93	0.5	--	--	--
148N 125E	201	15	118	0.2	--	--	--
148N 126E	201	14	110	0.1	--	--	--
148N 127E	201	14	100	0.5	--	--	--
148N 128E	201	18	105	0.7	--	--	--
148N 129E	201	15	92	0.1	--	--	--
148N 130E	201	14	49	0.1	--	--	--
152N 107E	201	1	78	0.1	--	--	--
152N 129E	201	5	87	0.2	--	--	--
154N 116E	201	12	205	0.1	--	--	--
154N 117E	201	11	225	0.3	--	--	--
154N 118E	201	26	413	0.1	--	--	--
154N 119E	201	20	215	0.1	--	--	--
154N 120E	201	21	215	0.2	--	--	--
154N 121E	203	9	87	0.2	--	--	--
154N 122E	203	2	65	0.1	--	--	--
154N 123E	203	2	114	0.1	--	--	--
154N 124E	201	6	50	0.5	--	--	--
154N 125E	201	14	110	0.1	--	--	--
154N 126E	201	17	88	0.1	--	--	--
154N 127E	201	1	85	0.1	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-004-
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
154N 128E	201	2	38	0.1	--	--	--
154N 129E	201	14	100	0.1	--	--	--
154N 130E	201	17	170	0.1	--	--	--
156N 115E	201	30	750	0.2	--	--	--
156N 116E	201	18	515	0.2	--	--	--
156N 117E	201	21	385	0.4	--	--	--
156N 118E	201	22	142	0.3	--	--	--
156N 119E	201	13	93	0.3	--	--	--
156N 120E	201	10	95	0.2	--	--	--
156N 121E	201	18	225	0.1	--	--	--
156N 122E	201	12	58	0.1	--	--	--
156N 123E	201	11	72	0.1	--	--	--
156N 124E	203	1	72	0.1	--	--	--
156N 125E	201	8	96	0.2	--	--	--
156N 126E	201	2	55	0.3	--	--	--
156N 127E	201	6	105	0.6	--	--	--
156N 128E	201	1	30	0.3	--	--	--
156N 129E	201	15	115	0.2	--	--	--
156N 130E	201	19	85	0.7	--	--	--
158N 115E	201	20	1300	0.1	--	--	--
158N 116E	201	17	395	0.1	--	--	--
158N 117E	201	21	350	0.2	--	--	--
158N 118E	201	25	378	0.1	--	--	--
158N 119E	201	9	29	0.1	--	--	--
158N 120E	201	13	72	0.1	--	--	--
153N 121E	201	13	120	0.1	--	--	--
158N 122E	201	11	85	0.1	--	--	--
158N 123E	203	1	105	0.2	--	--	--
158N 124E	203	3	102	0.1	--	--	--
158N 125E	203	15	95	0.2	--	--	--
158N 126E	201	18	60	0.2	--	--	--
158N 127E	201	33	55	0.3	--	--	--
158N 128E	201	9	50	0.3	--	--	--
158N 129E	201	12	245	0.3	--	--	--
158N 130E	203	2	69	0.1	--	--	--
160N 115E	201	17	640	0.1	--	--	--
160N 116E	201	23	1130	0.2	--	--	--
160N 117E	201	32	730	0.1	--	--	--
160N 118E	201	23	550	0.1	--	--	--
160N 119E	201	11	198	0.7	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

· ANALYTICAL CHEMISTS · GEOCHEMISTS · REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-C05-A
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
160N 120E	201	14	120	0.3	--	--	--
160N 121E	201	21	255	0.4	--	--	--
160N 122E	201	13	350	0.1	--	--	--
160N 123E	201	14	168	0.4	--	--	--
160N 124E	201	13	255	0.3	--	--	--
160N 125E	217	1	60	0.1	--	--	--
160N 126E	217	1	70	0.1	--	--	--
160N 127E	201	9	105	0.6	--	--	--
160N 128E	201	13	110	0.1	--	--	--
160N 129E	201	8	213	0.6	--	--	--
160N 130E	201	11	57	0.1	--	--	--
162N 115E	201	13	430	0.2	--	--	--
162N 116E	201	14	1230	0.1	--	--	--
162N 117E	201	16	215	0.1	--	--	--
162N 118E	201	35	405	0.5	--	--	--
162N 119E	201	15	215	0.1	--	--	--
162N 120E	201	17	155	0.4	--	--	--
162N 121E	201	15	232	0.1	--	--	--
162N 122E	201	13	463	0.1	--	--	--
162N 123E	201	1	220	0.1	--	--	--
162N 124E	201	10	124	0.1	--	--	--
162N 125E	201	14	68	0.1	--	--	--
162N 126E	201	2	60	0.1	--	--	--
162N 127E	201	8	70	0.2	--	--	--
162N 128E	201	5	69	0.1	--	--	--
162N 129E	201	13	90	0.2	--	--	--
162N 130E	201	17	65	0.1	--	--	--
164N 100E	201	16	88	0.1	--	--	--
164N 101E	201	15	178	0.6	--	--	--
164N 102E	201	29	245	0.6	--	--	--
164N 103E	201	14	48	0.1	--	--	--
164N 104E	201	20	72	0.1	--	--	--
164N 105E	201	120	135	0.5	--	--	--
164N 106E	201	29	490	0.4	--	--	--
164N 107E	201	8	225	0.3	--	--	--
164N 108E	201	6	185	0.5	--	--	--
164N 109E	201	14	373	0.2	--	--	--
164N 110E	201	9	280	0.2	--	--	--
164N 111E	201	14	530	0.1	--	--	--
164N 112E	201	13	250	0.2	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312312-C06-A
INVOICE # : I8312312
DATE : 8-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
164N 113E	201	15	210	0.1	--	--	--
164N 114E	201	15	350	0.4	--	--	--
164N 115E	201	6	103	0.2	--	--	--
164N 116E	201	5	408	0.3	--	--	--
164N 117E	201	49	365	0.1	--	--	--
164N 118E	201	54	390	0.8	--	--	--
164N 119E	201	40	325	0.5	--	--	--
164N 120E	201	21	235	0.2	--	--	--
164N 121E	201	40	560	0.2	--	--	--
164N 122E	201	10	430	0.5	--	--	--
164N 123E	201	13	275	0.1	--	--	--
164N 124E	201	2	108	0.1	--	--	--
164N 125E	201	7	106	0.1	--	--	--
164N 126E	201	9	93	0.1	--	--	--
164N 128E	201	19	35	0.2	--	--	--
164N 129E	201	7	83	0.5	--	--	--
164N 130E	201	10	55	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311970-001
INVOICE # : I8311970
DATE : 28-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
122N 116E	201	11	46	0.1	--	--	--
122N 117E	201	5	61	0.2	--	--	--
122N 118E	201	13	140	0.1	--	--	--
122N 119E	201	9	85	0.1	--	--	--
122N 120E	201	9	108	0.1	--	--	--
122N 121E	201	10	187	0.2	--	--	--
122N 122E	201	20	192	0.1	--	--	--
122N 123E	201	14	102	0.1	--	--	--
122N 124E	201	7	80	0.1	--	--	--
122N 125E	201	14	260	0.3	--	--	--
122N 126E	201	14	245	0.2	--	--	--
122N 127E	201	12	208	0.1	--	--	--
122N 128E	201	13	195	0.1	--	--	--
122N 129E	201	8	195	0.1	--	--	--
122N 130E	201	15	315	0.3	--	--	--
124N 116E	201	4	85	0.1	--	--	--
124N 117E	201	5	105	0.1	--	--	--
124N 118E	201	7	250	0.1	--	--	--
124N 119E	201	11	88	0.1	--	--	--
124N 120E	201	12	105	0.2	--	--	--
124N 121E	201	6	62	0.1	--	--	--
124N 122E	201	8	220	0.4	--	--	--
124N 123E	201	6	72	0.1	--	--	--
124N 124E	201	13	440	0.4	--	--	--
124N 125E	201	12	235	0.3	--	--	--
124N 126E	201	14	260	0.2	--	--	--
124N 127E	201	10	263	0.1	--	--	--
124N 128E	201	16	377	0.3	--	--	--
124N 129E	201	7	148	0.3	--	--	--
124N 130E	201	24	268	0.1	--	--	--
142N 87E	201	10	58	0.1	--	--	--
142N 88E	201	9	56	0.1	--	--	--
142N 89E	201	8	15	0.1	--	--	--
142N 90E	201	3	30	0.2	--	--	--
142N 91E	201	5	22	0.3	--	--	--
142N 92E	201	7	28	0.5	--	--	--
142N 93E	201	10	39	0.1	--	--	--
142N 94E	201	7	38	0.1	--	--	--
142N 95E	201	6	82	0.7	--	--	--
142N 96E	201	8	173	0.1	--	--	--

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

- ANALYTICAL CHEMISTS - GEOCHEMISTS - REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311970-002-A
INVOICE # : I8311970
DATE : 28-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
142N 97E	201	11	183	0.1	--	--	--
142N 98E	201	13	545	0.4	--	--	--
142N 99E	201	18	790	0.1	--	--	--
142N 100E	201	29	263	0.2	--	--	--
144N 87E	201	8	86	0.2	--	--	--
144N 88E	201	5	18	1.1	--	--	--
144N 89E	201	6	15	0.2	--	--	--
144N 90E	201	11	49	0.1	--	--	--
144N 91E	201	4	26	0.2	--	--	--
144N 92E	201	10	28	0.3	--	--	--
144N 93E	201	10	47	0.3	--	--	--
144N 94E	201	10	83	0.2	--	--	--
144N 95E	201	8	362	0.1	--	--	--
144N 96E	201	13	2100	0.3	--	--	--
144N 97E	201	14	1000	0.3	--	--	--
144N 98E	201	16	295	0.1	--	--	--
144N 99E	201	17	415	0.4	--	--	--
144N 100E	201	17	610	0.2	--	--	--
146N 87E	201	16	225	0.2	--	--	--
146N 88E	201	14	76	1.3	--	--	--
146N 89E	201	13	83	0.2	--	--	--
146N 90E	201	13	68	0.1	--	--	--
146N 91E	201	9	56	0.1	--	--	--
146N 92E	201	8	57	0.1	--	--	--
146N 93E	201	8	23	0.1	--	--	--
146N 94E	201	10	185	0.1	--	--	--
146N 95E	201	9	122	0.1	--	--	--
146N 96E	201	14	460	0.1	--	--	--
146N 97E	201	13	350	0.5	--	--	--
146N 98E	201	10	158	0.1	--	--	--
146N 99E	201	10	710	0.3	--	--	--
146N 100E	201	7	900	0.1	--	--	--
148N 87E	201	14	42	0.1	--	--	--
148N 88E	201	12	43	0.1	--	--	--
148N 89E	201	9	38	0.1	--	--	--
148N 90E	201	7	19	0.1	--	--	--
148N 91E	201	11	64	0.2	--	--	--
148N 92E	201	9	82	0.2	--	--	--
148N 93E	201	9	93	0.1	--	--	--
148N 94E	201	21	153	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311970-003
INVOICE # : I8311970
DATE : 28-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
148N 95E	201	20	510	0.1	--	--	--
148N 96E	201	16	355	0.4	--	--	--
148N 97E	201	4	93	0.1	--	--	--
148N 98E	201	12	245	0.1	--	--	--
148N 99E	201	17	260	0.1	--	--	--
148N 100E	201	19	233	0.1	--	--	--
150N 87E	201	8	47	0.1	--	--	--
150N 88E	201	7	31	0.1	--	--	--
150N 89E	201	10	48	0.1	--	--	--
150N 90E	201	6	32	0.2	--	--	--
150N 91E	201	10	58	0.5	--	--	--
150N 92E	201	10	193	0.9	--	--	--
150N 93E	201	11	128	0.1	--	--	--
150N 94E	201	11	1500	0.6	--	--	--
150N 95E	201	7	600	0.4	--	--	--
150N 96E	201	11	230	0.2	--	--	--
150N 97E	201	9	385	0.4	--	--	--
150N 98E	201	7	237	0.3	--	--	--
150N 99E	201	13	510	0.3	--	--	--
150N 100E	201	15	205	0.1	--	--	--
152N 87E	201	8	49	0.1	--	--	--
152N 88E	201	10	41	0.3	--	--	--
152N 89E	201	6	20	0.1	--	--	--
152N 90E	201	3	26	0.1	--	--	--
152N 91E	201	5	37	0.1	--	--	--
152N 92E	201	8	77	0.1	--	--	--
152N 93E	201	5	52	0.1	--	--	--
152N 94E	201	5	116	0.1	--	--	--
152N 95E	201	10	115	0.1	--	--	--
152N 96E	201	10	228	0.3	--	--	--
152N 97E	201	8	185	0.1	--	--	--
152N 98E	201	9	194	0.1	--	--	--
152N 99E	201	5	140	0.5	--	--	--
152N 100E	201	5	120	0.2	--	--	--
154N 87E	201	9	158	0.1	--	--	--
154N 88E	201	9	118	0.2	--	--	--
154N 89E	201	10	67	0.1	--	--	--
154N 90E	201	5	35	0.2	--	--	--
154N 91E	201	8	47	0.1	--	--	--
154N 92E	201	14	68	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311970-004-
INVOICE # : I8311970
DATE : 28-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
154N 93E	201	11	345	0.2	--	--	--
154N 94E	201	10	138	0.1	--	--	--
154N 95E	201	13	65	0.1	--	--	--
154N 96E	201	9	60	0.1	--	--	--
154N 97E	201	9	205	0.1	--	--	--
154N 98E	201	8	185	0.2	--	--	--
154N 99E	201	7	70	0.1	--	--	--
154N 100E	201	9	210	0.1	--	--	--
156N 87E	201	14	85	0.1	--	--	--
156N 88E	201	11	70	0.1	--	--	--
156N 89E	201	11	88	0.1	--	--	--
156N 90E	201	10	100	0.2	--	--	--
156N 91E	201	9	98	0.2	--	--	--
156N 92E	201	10	110	0.6	--	--	--
156N 93E	201	12	90	0.1	--	--	--
156N 94E	201	14	140	0.1	--	--	--
156N 95E	201	9	47	0.1	--	--	--
156N 96E	201	11	144	0.1	--	--	--
156N 97E	201	18	220	0.1	--	--	--
156N 98E	201	9	85	0.1	--	--	--
156N 99E	201	9	102	0.1	--	--	--
156N 100E	201	7	90	0.2	--	--	--
158N 87E	201	14	78	0.1	--	--	--
158N 88E	201	11	72	0.1	--	--	--
158N 89E	201	9	98	0.1	--	--	--
158N 90E	201	9	92	0.1	--	--	--
158N 91E	201	9	103	0.2	--	--	--
158N 92E	201	13	76	0.2	--	--	--
158N 93E	201	11	175	0.4	--	--	--
158N 94E	201	13	85	0.1	--	--	--
158N 95E	201	9	90	0.1	--	--	--
158N 96E	201	10	83	0.1	--	--	--
158N 97E	201	7	70	0.1	--	--	--
158N 98E	201	13	260	0.3	--	--	--
158N 99E	201	13	79	0.1	--	--	--
158N 100E	201	14	120	0.2	--	--	--
160N 87E	201	8	142	0.1	--	--	--
160N 88E	201	11	106	0.1	--	--	--
160N 89E	201	12	140	0.1	--	--	--
160N 90E	201	9	55	0.1	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311970-005-
INVOICE # : I8311970
DATE : 28-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
160N 91E	201	10	128	0.1	--	--	--
160N 92E	201	12	83	0.1	--	--	--
160N 93E	201	18	98	0.2	--	--	--
160N 94E	201	11	95	0.1	--	--	--
160N 95E	201	10	240	0.1	--	--	--
160N 96E	201	13	190	0.1	--	--	--
160N 97E	201	12	105	0.1	--	--	--
160N 98E	201	20	145	0.2	--	--	--
160N 99E	201	5	50	0.1	--	--	--
160N 100E	201	10	145	0.1	--	--	--
162N 87E	201	19	210	0.6	--	--	--
162N 88E	201	15	60	0.1	--	--	--
162N 89E	201	11	102	3.8	--	--	--
162N 90E	201	6	63	0.6	--	--	--
162N 91E	201	12	108	3.0	--	--	--
162N 92E	201	13	103	1.4	--	--	--
162N 93E	201	15	440	0.8	--	--	--
162N 94E	201	12	110	0.4	--	--	--
162N 95E	201	14	138	0.4	--	--	--
162N 96E	201	9	220	0.6	--	--	--
162N 97E	201	8	195	0.8	--	--	--
162N 98E	201	7	65	0.5	--	--	--
162N 99E	201	16	440	0.6	--	--	--
162N 100E	201	14	225	0.5	--	--	--
164N 87E	201	11	95	0.2	--	--	--
164N 88E	201	17	480	0.7	--	--	--
164N 89E	201	11	115	0.2	--	--	--
164N 90E	201	12	110	0.4	--	--	--
164N 91E	201	12	48	1.3	--	--	--
164N 92E	201	10	60	0.5	--	--	--
164N 93E	201	13	128	3.0	--	--	--
164N 94E	201	7	74	0.5	--	--	--
164N 95E	201	8	72	0.4	--	--	--
164N 96E	201	11	280	0.5	--	--	--
164N 97E	201	9	235	0.8	--	--	--
164N 98E	201	10	220	0.8	--	--	--
164N 99E	201	15	120	0.7	--	--	--
164N 100E	201	8	62	0.7	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

••ANALYTICAL CHEMISTS ••GEOCHEMISTS ••REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311799-001-A
INVOICE # : I8311799
DATE : 17-JUN-83
P.O. # : NONE
BEAVER CLAIMS

UTAH MINES LTD. EXPLORATION DEPT.

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
92N 92E	201	20	2100	0.7	--	--	--
92N 93E	201	13	2700	0.4	--	--	--
92N 94E	201	5	1180	0.1	--	--	--
92N 95E	201	14	1900	0.7	--	--	--
92N 96E	201	11	260	0.1	--	--	--
92N 97E	201	6	780	0.1	--	--	--
92N 98E	201	1	475	0.2	--	--	--
92N 99E	201	7	195	0.1	--	--	--
92N 100E	201	9	245	0.1	--	--	--
94N 92E	201	32	1280	0.6	--	--	--
94N 93E	201	8	1080	0.1	--	--	--
94N 94E	201	19	1350	0.1	--	--	--
94N 95E	201	14	340	0.1	--	--	--
94N 96E	201	14	233	0.1	--	--	--
94N 97E	201	9	240	0.2	--	--	--
94N 98E	201	8	1040	0.4	--	--	--
94N 99E	201	4	110	0.1	--	--	--
94N 100E	217	1	39	0.1	--	--	--
96N 88E	201	41	3680	0.6	--	--	--
96N 89E	201	23	4250	2.2	--	--	--
96N 90E	201	12	1180	0.2	--	--	--
96N 91E	201	68	3600	0.4	--	--	--
96N 92E	201	14	1630	1.0	--	--	--
96N 93E	201	7	203	0.1	--	--	--
96N 94E	201	10	120	0.1	--	--	--
96N 95E	201	14	750	0.1	--	--	--
96N 98E	201	7	995	0.1	--	--	--
96N 99E	201	13	180	0.1	--	--	--
96N 100E	201	9	260	0.1	--	--	--
98N 87E	201	18	430	0.1	--	--	--
98N 88E	217	1	520	0.1	--	--	--
98N 89E	201	14	2100	6.2	--	--	--
98N 90E	201	18	2100	2.8	--	--	--
98N 91E	201	15	1630	0.1	--	--	--
98N 92E	201	17	2300	0.5	--	--	--
98N 93E	201	6	400	0.1	--	--	--
98N 94E	201	18	720	0.1	--	--	--
98N 95E	201	12	605	0.2	--	--	--
98N 96E	201	7	173	0.1	--	--	--
98N 97E	201	8	135	0.1	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311799-002-A
INVOICE # : I8311799
DATE : 17-JUN-83
P.O. # : NONE
BEAVER CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag PPT ppm			
98N 98E	201	9	195	0.1	--	--	--
98N 99E	201	7	248	0.1	--	--	--
98N 100E	201	6	50	0.1	--	--	--
100N 87E	201	9	605	0.5	--	--	--
100N 88E	201	78	3100	2.5	--	--	--
100N 89E	201	19	2550	0.8	--	--	--
100N 90E	201	91	5050	3.2	--	--	--
100N 91E	201	20	840	1.4	--	--	--
100N 92E	201	11	510	0.2	--	--	--
100N 93E	201	9	735	0.9	--	--	--
100N 94E	201	9	950	0.7	--	--	--
100N 95E	201	18	550	0.2	--	--	--
102N 87E	205	31	228	0.1	--	--	--
102N 88E	205	18	370	0.1	--	--	--
102N 89E	217	43	1500	1.0	--	--	--
102N 90E	217	19	340	0.3	--	--	--
102N 91E	205	14	328	0.1	--	--	--
102N 92E	201	18	260	0.3	--	--	--
102N 93E	201	22	2650	1.3	--	--	--
102N 94E	205	11	480	0.2	--	--	--
102N 95E	205	3	325	0.3	--	--	--
102N 96E	201	9	1450	0.2	--	--	--
102N 97E	201	7	393	0.2	--	--	--
102N 98E	205	8	105	0.1	--	--	--
102N 99E	201	11	250	0.1	--	--	--
102N 100E	201	15	200	0.1	--	--	--
104N 87E	201	6	110	0.1	--	--	--
104N 88E	201	12	98	0.1	--	--	--
104N 89E	201	33	380	0.3	--	--	--
104N 90E	201	1	12	0.1	--	--	--
104N 91E	201	1	76	0.3	--	--	--
104N 92E	201	20	260	0.1	--	--	--
104N 93E	201	15	240	1.0	--	--	--
104N 94E	201	14	520	1.5	--	--	--
104N 95E	201	9	355	0.4	--	--	--
104N 96E	201	10	730	0.2	--	--	--
104N 97E	201	15	795	0.3	--	--	--
104N 98E	201	6	160	0.1	--	--	--
104N 99E	201	6	230	0.1	--	--	--
104N 100E	201	72	550	0.2	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311799-003-
INVOICE # : I8311799
DATE : 17-JUN-83
P.O. # : NONE
BEAVER CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
106N 91E	201	7	155	0.1	--	--	--
106N 92E	217	7	233	0.2	--	--	--
106N 93E	201	6	295	0.2	--	--	--
106N 94E	201	4	25	0.1	--	--	--
106N 95E	201	18	66	0.1	--	--	--
106N 96E	201	4	21	0.2	--	--	--
106N 97E	201	15	453	0.6	--	--	--
106N 98E	201	35	160	0.4	--	--	--
106N 99E	201	11	210	0.3	--	--	--
106N 100E	201	268	700	2.5	--	--	--
108N 91E	201	7	240	0.2	--	--	--
108N 92E	217	4	278	0.2	--	--	--
108N 93E	217	4	150	0.3	--	--	--
108N 94E	201	16	480	0.1	--	--	--
108N 95E	201	14	270	0.2	--	--	--
108N 96E	201	13	48	0.1	--	--	--
108N 97E	201	16	105	0.3	--	--	--
108N 98E	201	13	330	0.3	--	--	--
108N 99E	201	28	365	0.1	--	--	--
108N 100E	201	29	565	0.7	--	--	--
110N 91E	201	18	570	0.2	--	--	--
110N 92E	201	1	180	0.1	--	--	--
110N 93E	201	12	405	0.5	--	--	--
110N 94E	201	9	93	0.1	--	--	--
110N 95E	201	14	58	0.1	--	--	--
110N 96E	201	5	45	0.9	--	--	--
110N 97E	201	10	75	0.2	--	--	--
110N 98E	201	20	260	0.1	--	--	--
110N 99E	201	31	290	0.3	--	--	--
110N 100E	201	92	360	0.5	--	--	--
112N 92E	201	17	122	0.1	--	--	--
112N 93E	201	11	170	0.2	--	--	--
112N 94E	201	8	188	0.2	--	--	--
112N 95E	201	17	193	0.2	--	--	--
112N 96E	201	10	66	0.1	--	--	--
112N 97E	201	14	106	0.1	--	--	--
112N 98E	201	8	28	0.2	--	--	--
112N 99E	201	17	328	0.1	--	--	--
114N 87E	201	11	350	0.1	--	--	--
114N 88E	201	12	490	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by ..... Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311799-C04-
INVOICE # : I8311799
DATE : 17-JUN-83
P.O. # : NONE
BEAVER CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
114N 89E	201	20	520	0.1	--	--	--
114N 90E	201	10	600	0.2	--	--	--
114N 91E	201	9	318	0.1	--	--	--
114N 92E	201	14	440	0.2	--	--	--
114N 93E	217	1	85	0.2	--	--	--
114N 95E	201	12	118	0.1	--	--	--
114N 96E	201	58	93	0.1	--	--	--
114N 97E	201	19	305	0.1	--	--	--
114N 98E	201	16	220	0.1	--	--	--
114N 99E	201	70	280	0.2	--	--	--
114N 100E	201	65	290	0.1	--	--	--
116N 87E	201	11	345	0.1	--	--	--
116N 88E	201	9	205	0.1	--	--	--
116N 89E	201	12	434	0.1	--	--	--
116N 90E	201	18	386	0.1	--	--	--
116N 91E	201	19	410	0.2	--	--	--
116N 92E	217	1	107	0.1	--	--	--
116N 93E	201	8	305	2.7	--	--	--
116N 94E	201	2	258	0.1	--	--	--
116N 95E	201	1	167	0.1	--	--	--
116N 96E	201	62	16	0.1	--	--	--
116N 97E	217	9	195	0.1	--	--	--
116N 98E	201	200	580	2.0	--	--	--
116N 99E	201	20	540	0.4	--	--	--
116N 100E	201	26	243	0.1	--	--	--
118N 87E	201	5	420	0.4	--	--	--
118N 88E	201	5	187	0.1	--	--	--
118N 89E	201	5	330	0.1	--	--	--
118N 90E	201	2	170	0.1	--	--	--
118N 91E	201	15	210	0.1	--	--	--
118N 92E	201	20	475	0.2	--	--	--
118N 93E	201	90	370	0.3	--	--	--
118N 94E	217	1	150	0.1	--	--	--
118N 95E	201	20	750	0.3	--	--	--
118N 96E	201	145	840	0.4	--	--	--
118N 97E	201	5	95	0.1	--	--	--
118N 98E	201	22	340	0.1	--	--	--
118N 99E	201	17	47	0.1	--	--	--
118N 100E	201	24	170	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311800-001-
INVOICE # : I8311800
DATE : 17-JUN-83
P.O. # : NONE
BAEVER CLAIMS

N

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
120N 87E	201	9	205	0.1	--	--	--
120N 88E	201	7	121	0.1	--	--	--
120N 89E	201	15	285	0.1	--	--	--
120N 90E	201	8	132	0.1	--	--	--
120N 91E	201	3	96	0.1	--	--	--
120N 92E	201	14	770	0.2	--	--	--
120N 93E	201	20	446	0.2	--	--	--
120N 94E	201	39	650	0.5	--	--	--
120N 95E	201	19	740	0.1	--	--	--
120N 96E	201	5	930	0.2	--	--	--
120N 97E	201	2	146	0.1	--	--	--
120N 98E	201	38	368	0.9	--	--	--
120N 99E	201	20	86	0.1	--	--	--
120N 100E	201	24	240	1.2	--	--	--
122N 87E	201	8	1200	0.2	--	--	--
122N 88E	201	10	1050	0.2	--	--	--
122N 89E	201	12	700	0.3	--	--	--
122N 90E	201	10	206	0.1	--	--	--
122N 91E	201	8	180	0.1	--	--	--
122N 92E	201	14	380	0.2	--	--	--
122N 93E	201	5	197	0.2	--	--	--
122N 94E	201	10	318	0.2	--	--	--
122N 95E	201	24	910	0.7	--	--	--
122N 96E	201	6	152	0.1	--	--	--
122N 97E	201	27	540	0.1	--	--	--
122N 98E	201	13	393	0.1	--	--	--
122N 99E	201	165	391	1.0	--	--	--
122N 100E	201	32	1200	4.7	--	--	--
124N 87E	201	9	321	0.6	--	--	--
124N 88E	201	8	209	0.1	--	--	--
124N 89E	201	5	78	0.1	--	--	--
124N 90E	201	12	351	0.3	--	--	--
124N 91E	201	7	425	0.4	--	--	--
124N 92E	201	15	348	0.1	--	--	--
124N 93E	201	15	232	0.1	--	--	--
124N 94E	201	21	1020	0.2	--	--	--
124N 95E	201	20	205	0.2	--	--	--
124N 96E	201	125	700	1.7	--	--	--
124N 97E	201	17	325	1.2	--	--	--
124N 98E	201	22	6650	0.2	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

UTAH MINES LTD.
EXPLORATION DEPT

CERT. # : A8311800-002-
INVOICE # : I8311800
DATE : 17-JUN-83
P.C. # : NONE
BAEVER CLAIMS

N

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
124N 99E	201	1	820	0.1	--	--	--
124N 100E	201	22	392	0.7	--	--	--
126N 87E	201	18	980	1.7	--	--	--
126N 88E	201	14	620	0.3	--	--	--
126N 89E	201	9	350	0.1	--	--	--
126N 90E	201	8	1390	1.2	--	--	--
126N 91E	201	11	630	0.1	--	--	--
126N 92E	201	24	820	0.1	--	--	--
126N 93E	201	15	194	0.1	--	--	--
126N 94E	201	22	470	0.3	--	--	--
126N 95E	201	52	590	1.3	--	--	--
126N 96E	201	4	580	0.6	--	--	--
126N 97E	201	62	580	1.3	--	--	--
126N 98E	201	43	630	1.6	--	--	--
126N 99E	201	43	900	3.8	--	--	--
126N 100E	201	12	480	2.5	--	--	--
128N 87E	201	6	560	1.0	--	--	--
128N 88E	201	16	130	0.2	--	--	--
128N 89E	201	12	870	0.1	--	--	--
128N 90E	201	10	225	0.2	--	--	--
128N 91E	201	8	1020	0.1	--	--	--
128N 92E	201	28	2390	0.1	--	--	--
128N 93E	201	15	410	0.1	--	--	--
128N 94E	201	1	53	0.2	--	--	--
128N 95E	201	22	1020	0.9	--	--	--
128N 96E	201	14	830	1.0	--	--	--
128N 97E	201	13	1060	0.8	--	--	--
128N 98E	201	18	980	0.7	--	--	--
128N 99E	201	66	460	0.2	--	--	--
128N 100E	201	13	215	0.1	--	--	--
130N 87E	201	6	175	0.2	--	--	--
130N 88E	201	5	238	0.1	--	--	--
130N 89E	201	3	88	0.3	--	--	--
130N 90E	201	11	275	0.1	--	--	--
130N 91E	201	10	700	0.1	--	--	--
130N 92E	201	118	2630	0.4	--	--	--
130N 93E	201	12	690	0.2	--	--	--
130N 94E	201	3	262	0.1	--	--	--
130N 95E	201	45	284	0.7	--	--	--
130N 96E	201	8	91	0.1	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311800-003-A
INVOICE # : I8311800
DATE : 17-JUN-83
P.O. # : NONE
BAEVER CLAIMS

UTAH MINES LTD.
EXPLORATION DEPT.

N

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
130N 97E	201	33	290	0.1	--	--	--
130N 98E	201	8	170	0.1	--	--	--
130N 99E	201	27	210	0.1	--	--	--
130N 100E	201	14	195	0.1	--	--	--
132N 87E	201	7	73	0.1	--	--	--
132N 88E	201	5	54	0.1	--	--	--
132N 89E	201	22	22	1.8	--	--	--
132N 90E	201	8	740	0.4	--	--	--
132N 91E	201	12	320	0.3	--	--	--
132N 92E	201	15	482	0.1	--	--	--
132N 93E	201	9	258	0.1	--	--	--
132N 94E	201	13	425	0.1	--	--	--
132N 95E	201	26	239	0.2	--	--	--
132N 96E	201	16	144	0.2	--	--	--
132N 97E	201	19	215	0.2	--	--	--
132N 98E	201	1	174	0.1	--	--	--
132N 99E	201	10	122	0.1	--	--	--
132N 100E	201	19	123	0.1	--	--	--
134N 87E	201	1	168	0.1	--	--	--
134N 88E	201	1	39	0.1	--	--	--
134N 89E	201	7	38	0.1	--	--	--
134N 90E	201	4	78	0.2	--	--	--
134N 91E	201	9	311	0.1	--	--	--
134N 92E	201	12	385	0.2	--	--	--
134N 93E	201	3100	5750	28.0	--	--	--
134N 94E	201	273	2670	1.5	--	--	--
134N 95E	201	77	970	1.7	--	--	--
134N 96E	201	27	440	0.1	--	--	--
134N 97E	201	22	203	0.1	--	--	--
134N 98E	201	33	640	0.2	--	--	--
134N 99E	201	20	350	0.2	--	--	--
134N 100E	201	8	238	0.2	--	--	--
136N 87E	201	8	196	0.1	--	--	--
136N 88E	201	4	149	0.2	--	--	--
136N 89E	201	1	42	0.1	--	--	--
136N 90E	201	1	28	0.1	--	--	--
136N 91E	201	3	36	0.1	--	--	--
136N 92E	201	6	1620	0.4	--	--	--
136N 93E	201	13	460	0.2	--	--	--
136N 94E	201	110	1200	0.2	--	--	--

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212 BROOKSBANK AVE.
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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8311800-004-
INVOICE # : I8311800
DATE : 17-JUN-83
P.O. # : NONE
BAEVER CLAIMS

N

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
136N 95E	201	23	640	0.1	--	--	--
136N 96E	201	22	560	0.1	--	--	--
136N 97E	201	25	440	0.1	--	--	--
136N 98E	201	26	285	0.1	--	--	--
136N 99E	201	5	333	0.1	--	--	--
136N 100E	201	11	54	0.2	--	--	--
138N 87E	201	8	476	0.1	--	--	--
138N 88E	201	12	280	0.3	--	--	--
138N 89E	201	19	73	0.2	--	--	--
138N 90E	201	8	48	0.1	--	--	--
138N 91E	201	9	70	0.1	--	--	--
138N 92E	201	13	300	0.3	--	--	--
138N 93E	201	18	335	0.1	--	--	--
138N 94E	201	73	830	0.7	--	--	--
138N 95E	201	96	2150	0.7	--	--	--
138N 96E	201	32	1330	0.2	--	--	--
138N 97E	201	28	310	0.3	--	--	--
138N 98E	201	20	458	0.3	--	--	--
138N 99E	201	13	244	0.1	--	--	--
138N 100E	201	27	570	0.4	--	--	--
140N 87E	201	14	240	0.8	--	--	--
140N 88E	201	17	147	0.1	--	--	--
140N 89E	201	16	83	0.1	--	--	--
140N 90E	201	9	51	0.1	--	--	--
140N 91E	201	7	66	0.1	--	--	--
140N 92E	201	11	300	0.1	--	--	--
140N 93E	201	12	163	0.1	--	--	--
140N 94E	201	11	315	0.1	--	--	--
140N 95E	201	33	290	0.1	--	--	--
140N 96E	201	24	345	0.1	--	--	--
140N 97E	201	18	406	0.1	--	--	--
140N 98E	201	20	421	0.2	--	--	--
140N 99E	201	27	414	0.5	--	--	--
140N 100E	201	22	238	0.3	--	--	--

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ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312112-C01-A
INVOICE # : I8312112
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
124N 101E	201	32	450	1.5	--	--	--
124N 102E	201	51	600	2.2	--	--	--
124N 103E	201	41	300	0.3	--	--	--
124N 104E	201	26	210	0.2	--	--	--
124N 105E	201	38	273	0.3	--	--	--
124N 106E	201	29	370	0.2	--	--	--
124N 107E	201	108	460	0.1	--	--	--
124N 108E	201	25	253	0.1	--	--	--
124N 109E	201	24	565	0.1	--	--	--
124N 110E	201	22	408	0.1	--	--	--
124N 111E	201	51	550	0.9	--	--	--
124N 112E	201	38	440	0.3	--	--	--
124N 113E	201	19	310	0.1	--	--	--
124N 114E	201	17	760	0.3	--	--	--
124N 115E	201	5	300	0.3	--	--	--
124N 116E	201	1	90	0.1	--	--	--
126N 101E	201	15	910	1.0	--	--	--
126N 102E	201	2	72	0.3	--	--	--
126N 103E	201	2	112	0.1	--	--	--
126N 104E	201	60	468	0.3	--	--	--
126N 105E	201	32	225	0.3	--	--	--
126N 106E	201	46	478	0.5	--	--	--
126N 107E	201	69	415	0.2	--	--	--
126N 108E	201	91	453	0.4	--	--	--
126N 109E	201	23	700	0.1	--	--	--
126N 110E	201	14	1100	0.5	--	--	--
126N 111E	201	1	480	0.5	--	--	--
126N 112E	201	1	335	0.1	--	--	--
126N 113E	201	21	630	1.6	--	--	--
126N 114E	201	4	550	1.2	--	--	--
126N 115E	201	4	185	0.1	--	--	--
126N 116E	201	11	500	0.5	--	--	--
128N 101E	201	33	390	0.1	--	--	--
128N 102E	201	29	345	0.1	--	--	--
128N 103E	201	88	615	3.6	--	--	--
128N 104E	201	30	430	1.5	--	--	--
128N 105E	201	48	435	1.3	--	--	--
128N 106E	201	77	330	1.2	--	--	--
128N 108E	201	58	625	0.9	--	--	--
128N 109E	201	24	268	0.1	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312112-002-A
INVOICE # : I8312112
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
128N 110E	201	75	980	1.0	--	--	--
128N 111E	201	8	620	0.1	--	--	--
128N 112E	201	13	1000	1.6	--	--	--
128N 113E	201	12	398	0.3	--	--	--
128N 114E	201	4	315	0.1	--	--	--
128N 115E	201	13	335	1.1	--	--	--
128N 116E	201	16	535	0.4	--	--	--
130N 101E	201	12	260	0.7	--	--	--
130N 102E	201	72	388	2.3	--	--	--
130N 103E	201	29	410	1.4	--	--	--
130N 104E	201	30	375	0.5	--	--	--
130N 105E	201	30	235	0.6	--	--	--
130N 107E	201	53	275	0.1	--	--	--
130N 108E	201	19	270	0.1	--	--	--
130N 109E	201	22	390	0.1	--	--	--
130N 110E	201	9	148	0.1	--	--	--
130N 111E	201	10	392	0.2	--	--	--
130N 112E	201	7	880	0.3	--	--	--
130N 113E	201	6	800	0.3	--	--	--
130N 114E	201	12	910	1.2	--	--	--
130N 115E	201	24	238	0.1	--	--	--
132N 101E	201	66	470	0.8	--	--	--
132N 102E	201	40	555	0.7	--	--	--
132N 103E	201	13	700	0.6	--	--	--
132N 104E	201	15	880	0.8	--	--	--
132N 105E	201	10	175	0.2	--	--	--
132N 106E	201	18	240	0.3	--	--	--
132N 107E	201	30	225	0.2	--	--	--
132N 108E	201	24	195	0.1	--	--	--
132N 109E	201	13	108	0.1	--	--	--
132N 110E	201	18	200	0.1	--	--	--
132N 111E	201	8	145	0.1	--	--	--
132N 112E	201	9	230	0.1	--	--	--
132N 113E	201	5	130	0.1	--	--	--
132N 114E	201	7	330	0.1	--	--	--
132N 115E	201	4	215	0.1	--	--	--
132N 116E	201	2	118	0.1	--	--	--
134N 101E	201	20	295	0.1	--	--	--
134N 102E	201	20	800	0.1	--	--	--
134N 103E	201	10	1300	0.1	--	--	--

Certified by .....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312112-003-/
INVOICE # : I8312112
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
134N 104E	201	7	1430	0.8	--	--	--
134N 105E	201	15	260	0.1	--	--	--
134N 106E	201	14	565	0.1	--	--	--
134N 107E	201	49	373	0.7	--	--	--
134N 108E	201	40	500	1.3	--	--	--
134N 109E	201	18	150	0.1	--	--	--
134N 110E	201	18	140	0.2	--	--	--
134N 111E	201	28	250	0.4	--	--	--
134N 112E	201	14	92	0.1	--	--	--
134N 113E	201	11	180	0.2	--	--	--
134N 114E	201	10	205	0.1	--	--	--
134N 115E	201	13	635	0.1	--	--	--
134N 116E	201	5	300	0.1	--	--	--
136N 101E	201	66	440	0.7	--	--	--
136N 102E	201	2	105	0.2	--	--	--
136N 103E	201	12	700	0.1	--	--	--
136N 104E	201	14	650	0.3	--	--	--
136N 105E	201	12	355	0.1	--	--	--
136N 106E	201	13	315	0.1	--	--	--
136N 107E	201	13	305	0.1	--	--	--
136N 108E	201	11	193	0.3	--	--	--
136N 109E	201	20	185	0.7	--	--	--
136N 110E	201	1	40	0.3	--	--	--
136N 111E	201	25	280	0.3	--	--	--
136N 112E	201	27	280	0.1	--	--	--
136N 113E	201	17	152	0.1	--	--	--
136N 114E	201	7	98	0.1	--	--	--
136N 115E	201	8	420	0.1	--	--	--
136N 116E	201	8	243	0.1	--	--	--
138N 101E	201	5	315	0.1	--	--	--
138N 102E	201	13	390	0.4	--	--	--
138N 103E	201	12	2800	0.3	--	--	--
138N 104E	201	15	535	0.1	--	--	--
138N 105E	201	13	550	0.1	--	--	--
138N 106E	201	13	330	0.1	--	--	--
138N 107E	201	35	1200	0.4	--	--	--
138N 108E	201	4	110	1.2	--	--	--
138N 110E	201	20	193	0.5	--	--	--
138N 111E	201	16	135	0.1	--	--	--
138N 112E	201	14	106	0.2	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312112-004-
INVOICE # : I8312112
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
138N 113E	201	9	88	0.1	--	--	--
138N 114E	201	11	203	0.1	--	--	--
138N 115E	201	13	325	0.1	--	--	--
138N 116E	201	10	435	0.1	--	--	--
140N 101E	201	16	550	0.8	--	--	--
140N 102E	201	8	660	0.9	--	--	--
140N 103E	201	11	755	0.6	--	--	--
140N 104E	201	74	860	1.2	--	--	--
140N 105E	201	21	425	0.2	--	--	--
140N 106E	201	19	528	0.5	--	--	--
140N 107E	201	11	250	0.2	--	--	--
140N 108E	201	8	185	0.2	--	--	--
140N 109E	201	1	140	0.1	--	--	--
140N 110E	201	1	110	0.2	--	--	--
140N 111E	201	20	158	0.3	--	--	--
140N 112E	201	32	225	0.2	--	--	--
140N 113E	201	17	245	0.3	--	--	--
140N 114E	201	8	90	0.1	--	--	--
140N 115E	201	16	140	0.1	--	--	--
140N 116E	201	13	145	0.1	--	--	--
142N 101E	201	32	520	0.4	--	--	--
142N 102E	201	18	910	0.1	--	--	--
142N 103E	201	21	1030	0.5	--	--	--
142N 104E	201	14	1230	0.3	--	--	--
142N 105E	201	13	780	0.3	--	--	--
142N 106E	201	21	710	0.9	--	--	--
142N 107E	201	18	330	0.4	--	--	--
142N 108E	201	30	530	0.2	--	--	--
142N 109E	201	36	490	0.1	--	--	--
142N 110E	201	16	290	0.1	--	--	--
142N 111E	201	11	155	0.1	--	--	--
142N 112E	201	1	85	0.3	--	--	--
142N 113E	201	20	168	0.1	--	--	--
142N 114E	201	9	95	0.1	--	--	--
142N 115E	201	22	263	0.2	--	--	--
142N 116E	201	19	205	0.1	--	--	--
144N 101E	201	37	545	0.4	--	--	--
144N 102E	201	10	680	0.7	--	--	--
144N 103E	203	1	230	0.3	--	--	--
144N 104E	203	1	660	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312112-005-A
INVOICE # : I8312112
DATE : 30-JUN-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
144N 105E	201	2	6650	1.1	--	--	--
144N 106E	203	14	3000	1.3	--	--	--
144N 107E	201	6	195	0.2	--	--	--
144N 108E	201	10	105	0.4	--	--	--
144N 109E	201	21	305	0.1	--	--	--
144N 110E	201	6	118	0.1	--	--	--
144N 111E	201	7	153	0.1	--	--	--
144N 112E	203	15	165	0.1	--	--	--
144N 113E	201	36	205	0.4	--	--	--
144N 114E	201	15	275	0.3	--	--	--
144N 115E	203	7	148	0.1	--	--	--
144N 116E	201	30	195	0.2	--	--	--
146N 101E	201	8	2050	0.2	--	--	--
146N 102E	201	17	288	0.2	--	--	--
146N 103E	201	32	870	0.4	--	--	--
146N 104E	201	25	1050	0.4	--	--	--
146N 105E	201	8	320	0.2	--	--	--
146N 106E	201	31	1000	0.6	--	--	--
146N 107E	201	15	730	0.4	--	--	--
146N 108E	201	5	250	0.2	--	--	--
146N 109E	201	12	165	0.3	--	--	--
146N 110E	201	21	340	0.3	--	--	--
146N 111E	201	19	310	0.3	--	--	--
146N 112E	201	22	145	0.2	--	--	--
146N 113E	201	25	208	0.3	--	--	--
146N 114E	201	4	100	0.1	--	--	--
146N 115E	201	22	195	0.2	--	--	--
146N 116E	203	2	200	0.1	--	--	--

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312313-001
INVOICE # : I8312313
DATE : 11-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
83 BWT 04	205	22	94	0.1	--	--	--
83 BWT 06	205	19	83	0.1	--	--	--
83 BWT 07	205	12	93	0.1	--	--	--
83 BWT 08	205	325	178	1.8	--	--	--
83 BWT 09	205	195	268	1.3	--	--	--
83 BWT 10	205	500	365	1.8	--	--	--
83 BWT 11	205	560	430	1.8	--	--	--
83 BWT 12	205	1380	700	4.6	--	--	--
83 BWT 13	205	295	305	1.0	--	--	--
83 BWT 14	205	400	330	1.1	--	--	--
83 BWT 15	205	520	520	2.7	--	--	--
83 BWT 16	205	280	400	1.0	--	--	--
83 BWT 17	205	202	245	0.9	--	--	--
83 BWT 18	205	415	485	2.6	--	--	--
83 BWT 19	205	223	450	3.0	--	--	--
83 BWT 20	205	285	810	2.1	--	--	--
83 BWT 21	205	1750	1350	5.4	--	--	--
83 BWT 22	205	1450	680	6.4	--	--	--
83 BWT 23	205	305	420	1.2	--	--	--
83 BWT 24	205	720	750	2.3	--	--	--
83 BWT 25	205	440	243	1.4	--	--	--
83 BWT 26	205	130	153	0.7	--	--	--
83 BWT 27	205	120	270	0.6	--	--	--
83 BWT 28	205	1430	5550	6.5	--	--	--
83 BWT 29	205	450	325	2.2	--	--	--
83 BWT 30	205	380	300	1.6	--	--	--
83 BWT 31	205	760	695	2.7	--	--	--
83 BWT 32	205	227	403	1.2	--	--	--
83 BWT 33	205	270	360	1.1	--	--	--
83 BWT 34	205	168	570	1.2	--	--	--
83 BWT 35	205	175	375	0.7	--	--	--
83 BWT 36	205	115	230	0.6	--	--	--
83 BWT 37	205	235	148	0.7	--	--	--
83 BWT 38	205	82	138	1.1	--	--	--
83 BWT 39	205	295	330	1.7	--	--	--
83 BWT 40	205	100	135	0.6	--	--	--
83 BWT 41	205	115	210	0.7	--	--	--
83 BWT 42	205	235	950	1.0	--	--	--
83 BWT 43	205	148	340	0.7	--	--	--
83 BWT 44	205	57	283	0.3	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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212 BROOKSBANK AVE.
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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312313-002-,
INVOICE # : I8312313
DATE : 11-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
83 BWT 45 .8	205	178	430	0.3	--	--	--
83 BWT 46 .9	205	45	93	0.2	--	--	--
83 BWT 47	205	96	180	0.3	--	--	--
83 BWT 48 103	205	505	275	0.5	--	--	--
83 BWT 49	205	330	385	1.1	--	--	--
83 BWT 50 103+80	205	900	3200	2.7	--	--	--
83 BWT 51 101+70	205	152	690	0.9	--	--	--
83 BWT 52	205	2400	1630	11.0	--	--	--
83 BWT 53 .8	205	118	130	3.2	--	--	--
83 BWT 54	205	355	430	3.3	--	--	--
83 BWT 55 .9	205	845	750	6.9	--	--	--
83 BWT 56	205	173	3600	0.8	--	--	--
83 BWT 57 102	205	115	230	1.4	--	--	--
83 BWT 58	205	138	475	1.4	--	--	--
83 BWT 59 .1	205	58	140	0.6	--	--	--
83 BWT 60	205	135	235	0.9	--	--	--
83 BWT 61A .2	205	15	410	0.7	--	--	--
83 BWT 61B	205	39	245	0.7	--	--	--
83 BWT 62	205	2	305	0.4	--	--	--
83 BWT 63 .3	205	17	510	0.8	--	--	--
83 BWT 64	205	13	370	0.5	--	--	--
83 BWT 65 .4	205	12	410	0.2	--	--	--
83 BWT 66	205	22	470	0.4	--	--	--
83 BWT 67 .5	205	25	495	0.7	--	--	--
83 BWT 68	205	18	230	0.4	--	--	--
83 BWT 69 .6	205	59	255	0.4	--	--	--
83 BWT 70	205	27	245	0.4	--	--	--
83 BWT 71 .7	205	12	172	0.2	--	--	--
83 BWT 72	205	11	127	0.3	--	--	--
83 BWT 73 .8	205	31	156	0.4	--	--	--
83 BWT 74 102+85	205	10	142	0.2	--	--	--
83 BWT 75 101+30	205	155	118	0.1	--	--	--
83 BWT 76	205	90	65	1.4	--	--	--
83 BWT 77 .4	205	120	1430	1.9	--	--	--
83 BWT 78 .5	205	65	434	1.3	--	--	--
83 BWT 79 .6	205	33	115	4.0	--	--	--
83 BWT 80	205	108	202	3.3	--	--	--
83 BWT 81 .7	205	73	87	1.1	--	--	--
83 BWT 82	205	53	150	0.9	--	--	--
83 BWT 83 .8	205	30	210	0.6	--	--	--

LINE 10 GN

LINE 10 SW

CTA
MEMBER
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212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
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TELEPHONE: (604) 984-0221
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TO : UTAH MINES LIMITED

1600 - 1050 WEST PENDER STREET
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8312313-003-
INVOICE # : I8312313
DATE : 11-JUL-83
P.O. # : NONE
BEAVER RIVER

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
83 BWT 84	205	18	1030	0.3	--	--	--
83 BWT 85	205	21	370	0.3	--	--	--
83 BWT 86	205	10	620	0.5	--	--	--
83 BWT 87	205	38	560	0.6	--	--	--
83 BWT 88	205	17	590	0.6	--	--	--
83 BWT 89	205	13	500	0.5	--	--	--
83 BWT 90	205	22	580	0.5	--	--	--
83 BWT 91	205	16	480	0.3	--	--	--
83 BWT 92	205	18	580	0.4	--	--	--
83 BWT 93	205	22	430	0.2	--	--	--
83 BWT 94	205	14	490	0.6	--	--	--
83 BWT 95	205	11	365	0.5	--	--	--
83 BWT 96	205	8	300	0.5	--	--	--
83 BWT 97	205	6	215	0.6	--	--	--
83 BWT 98	205	5	206	0.3	--	--	--
83 BWT 99	205	4	190	0.2	--	--	--
83 BWT 100	205	11	170	0.5	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

APPENDIX
II

BEAV L102N DEEPEM file:BV102N

E ' L102N DEEPEM file:BV102N **LOOP #1**

BEAV L102N DEEPEM file:BV102N

CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99E					
1	335.50		126.70		-231.70	
1-2	350.00	17.2mhos	113.90	11.2mhos	-229.90	14.6mhos
2-3	341.60	23.1mhos	87.90	13.8mhos	-215.90	20.8mhos
3-4	327.70	30.9mhos	65.30	18.1mhos	-199.90	28.1mhos
4-5	308.10	46.0mhos	51.80	31.9mhos	-181.40	42.1mhos
5-6	260.30	61.9mhos	42.40	58.2mhos	-151.30	60.3mhos
6-7	191.00	81.3mhos	32.00	85.0mhos	-112.80	83.4mhos
7-8	133.70	113.3mhos	21.90	109.6mhos	-81.00	117.7mhos
	Station 99.25E					
1	350.60		73.20		-228.90	
1-2	376.00	19.1mhos	69.10	12.7mhos	-230.40	15.2mhos
2-3	376.80	25.0mhos	56.60	15.4mhos	-218.60	21.4mhos
3-4	367.10	32.2mhos	49.20	24.3mhos	-202.20	28.1mhos
4-5	344.80	45.9mhos	51.70	64.7mhos	-182.00	41.3mhos
5-6	285.40	59.4mhos	54.40	112.0mhos	-149.10	58.3mhos
6-7	203.10	77.5mhos	46.40	106.7mhos	-110.30	82.3mhos
7-8	138.20	108.7mhos	33.50	118.7mhos	-77.20	113.2mhos
	Station 99.5E					
1	392.70		85.60		-236.50	
1-2	420.20	18.9mhos	94.50	21.5mhos	-232.30	14.1mhos
2-3	419.90	24.8mhos	94.70	25.0mhos	-216.70	20.4mhos
3-4	403.80	31.1mhos	97.90	38.9mhos	-196.80	26.8mhos
4 5	368.90	42.8mhos	106.00	72.7mhos	-173.20	39.2mhos
'	293.30	55.1mhos	103.40	87.5mhos	-137.70	55.1mhos
6-7	200.80	73.2mhos	80.90	90.4mhos	-98.70	78.4mhos
7-8	133.40	105.2mhos	55.40	109.7mhos	-69.60	114.5mhos
	Station 99.75E					
1	429.60		137.00		-216.00	
1-2	456.70	18.4mhos	166.00	36.9mhos	-201.20	12.2mhos
2-3	449.60	23.7mhos	181.70	34.5mhos	-178.60	18.1mhos
3-4	419.70	28.7mhos	190.60	40.9mhos	-154.60	24.1mhos
4-5	366.00	38.5mhos	191.90	56.0mhos	-128.90	35.0mhos
5-6	275.90	50.2mhos	166.40	65.4mhos	-98.50	51.4mhos
6-7	181.50	69.3mhos	117.90	77.0mhos	-70.70	78.5mhos
7-8	119.10	103.4mhos	74.50	98.4mhos	-51.40	119.9mhos
	Station 100E					
1	464.80		199.30		-228.60	
1-2	482.00	16.8mhos	248.00	46.4mhos	-206.40	11.3mhos
2-3	461.40	21.9mhos	275.80	37.1mhos	-179.60	17.4mhos
3-4	416.00	26.4mhos	282.80	37.8mhos	-155.00	23.9mhos
4-5	348.10	35.3mhos	269.70	47.8mhos	-130.70	35.8mhos
5-6	251.40	46.9mhos	218.00	56.8mhos	-101.40	52.7mhos
6-7	161.50	67.1mhos	144.30	69.9mhos	-73.90	80.4mhos
7-8	106.10	103.6mhos	88.60	94.9mhos	-54.10	121.3mhos
	Station 100.25E					
1	559.90		323.50		-176.40	
1-2	540.20	13.4mhos	416.80	69.8mhos	-122.00	7.0mhos
2-3	483.50	18.5mhos	455.50	34.3mhos	-83.20	11.4mhos
3-4	412.40	23.3mhos	448.60	33.3mhos	-62.70	18.6mhos
4-5	325.90	31.7mhos	402.50	41.0mhos	-50.60	32.9mhos
5-6	223.80	43.5mhos	303.50	50.3mhos	-43.10	63.0mhos
6-7	140.90	65.4mhos	189.70	64.8mhos	-38.40	117.3mhos
7-8	94.20	106.1mhos	113.40	91.9mhos	-34.20	175.5mhos
	Station 100.5E					
1	466.30		603.60		-309.30	
1-2	375.70	8.9mhos	624.30	16.7mhos	-259.80	9.7mhos
2-3	296.40	14.3mhos	593.40	21.5mhos	-212.80	15.4mhos
3-4	232.90	19.9mhos	534.20	26.3mhos	-177.70	22.4mhos
4-5	177.80	29.8mhos	444.10	34.8mhos	-145.40	33.8mhos
5-6	125.20	45.2mhos	312.60	45.1mhos	-109.40	50.1mhos

6-7	88.50	76.7mhos	186.30	61.1mhos	-78.20	78.0mhos
7-8	67.00	128.0mhos	108.60	89.2mhos	-56.60	119.1mhos

Station 100.75E

1	153.20		796.90		-86.90	
1-2	107.20	7.1mhos	726.80	11.6mhos	-46.60	5.1mhos
2-3	68.90	10.5mhos	632.30	17.4mhos	-17.30	6.1mhos
3-4	45.50	15.2mhos	538.60	23.3mhos	-4.30	6.6mhos
4-5	36.60	32.7mhos	430.30	32.3mhos	-1.30	11.6mhos
5	38.20	108.7mhos	295.70	43.6mhos	-7.30	-21.7mhos
7	43.50	266.8mhos	176.50	61.2mhos	-15.80	-114.2mhos
7-8	44.00	247.3mhos	106.00	92.4mhos	-19.30	629.0mhos

Station 101.25E

1	-470.20		564.00		130.50	
1-2	-360.30	8.2mhos	532.00	12.6mhos	94.50	7.5mhos
2-3	-266.20	12.8mhos	455.80	16.8mhos	61.30	10.6mhos
3-4	-195.40	17.8mhos	376.60	21.9mhos	37.10	13.6mhos
4-5	-125.30	23.0mhos	299.20	32.0mhos	17.90	16.8mhos
5-6	-51.90	25.2mhos	213.70	46.1mhos	-.80	0.0mhos
6-7	-.50	10.3mhos	138.40	67.8mhos	-12.60	-21.1mhos
7-8	21.70	0.0mhos	91.50	104.5mhos	-16.30	1185.1mhos

Station 101.5E

1	-473.40		319.70		150.90	
1-2	-388.60	9.3mhos	352.30	21.4mhos	133.10	10.7mhos
2-3	-295.20	13.4mhos	328.40	20.4mhos	101.50	13.5mhos
3-4	-216.70	17.8mhos	283.60	24.0mhos	72.30	17.0mhos
4-5	-139.70	23.2mhos	236.10	34.9mhos	48.60	24.5mhos
5-6	-61.50	26.6mhos	178.90	50.7mhos	25.30	31.2mhos
6-7	-7.20	20.8mhos	123.30	73.9mhos	5.70	28.3mhos
7-8	16.10	0.0mhos	84.60	110.0mhos	-4.90	0.0mhos

Station 101.75E

1	-426.00		179.40		122.80	
1-2	-379.70	11.0mhos	222.30	44.6mhos	104.50	9.9mhos
2-3	-300.10	14.4mhos	226.90	26.5mhos	74.70	12.2mhos
3-4	-220.70	17.8mhos	209.60	28.0mhos	48.40	14.9mhos
4-5	-142.10	23.2mhos	186.70	40.3mhos	27.00	19.5mhos
5-6	-64.60	27.4mhos	151.50	57.2mhos	8.30	20.2mhos
6-7	-11.50	25.1mhos	110.40	80.4mhos	-3.80	0.0mhos
7-8	11.90	0.0mhos	78.00	114.8mhos	-9.00	-142.5mhos

Station 102E

1	-308.90		40.70		93.80	
1-2	-285.60	12.0mhos	85.90	-11.3mhos	85.60	11.6mhos
2-3	-232.70	15.2mhos	119.20	-1524.2mhos	68.30	14.6mhos
3-4	-174.10	18.3mhos	134.90	56.6mhos	50.20	17.8mhos
4-5	-113.40	23.5mhos	141.40	64.2mhos	34.40	25.2mhos
5-6	-51.80	27.5mhos	131.10	76.4mhos	18.70	32.6mhos
6-7	-8.50	24.1mhos	104.90	94.2mhos	6.30	36.4mhos
7-8	11.30	0.0mhos	78.50	125.6mhos	-.80	0.0mhos

Station 102.25E

1	-224.20		.60		64.10	
1-2	-214.80	13.2mhos	45.70	-1.2mhos	62.40	13.8mhos
2-3	-183.00	16.6mhos	86.90	-25.0mhos	53.20	16.6mhos
3-4	-142.80	19.7mhos	112.90	185.4mhos	42.00	20.1mhos
4-5	-98.10	25.3mhos	129.10	93.8mhos	30.60	27.6mhos
5-6	-49.10	30.0mhos	126.90	89.5mhos	18.20	36.1mhos
6-7	-12.50	30.4mhos	104.00	98.5mhos	7.00	40.2mhos
7-8	6.30	0.0mhos	79.00	128.8mhos	.10	16.8mhos

Station 102.5E

1	-189.70		-22.20		46.50	
1-2	-195.00	16.3mhos	18.70	0.0mhos	51.10	21.1mhos
2-3	-178.70	19.6mhos	62.30	-9.1mhos	49.60	22.8mhos
3-4	-150.00	22.6mhos	94.50	-119.2mhos	44.20	25.7mhos
4-5	-112.30	28.9mhos	117.80	173.2mhos	37.20	35.7mhos
5-6	-66.30	35.8mhos	121.60	104.6mhos	26.30	45.4mhos
6-7	-27.40	42.6mhos	102.90	104.9mhos	14.20	54.7mhos
7-8	-5.10	38.4mhos	79.30	131.9mhos	5.60	61.4mhos

Station 102.75E

1	-142.70		-41.90		33.80	
1-2	-157.10	21.3mhos	-12.00	3.1mhos	42.20	47.9mhos
2-3	-156.60	24.6mhos	26.20	0.0mhos	46.60	35.9mhos
3	-143.20	27.3mhos	60.00	-22.2mhos	46.70	35.1mhos
4-5	-117.90	34.2mhos	88.20	-280.8mhos	43.60	45.2mhos
5-6	-79.40	42.3mhos	100.20	156.0mhos	34.60	54.9mhos
6-7	-41.00	52.2mhos	89.30	117.4mhos	21.40	64.0mhos
7-8	-16.20	61.5mhos	71.20	140.1mhos	11.30	80.0mhos

Station 103E

1	-107.20		-25.00		27.70	
1-2	-124.50	27.9mhos	-4.60	2.4mhos	34.40	45.5mhos
2-3	-133.50	31.7mhos	22.00	0.0mhos	37.20	32.8mhos
3-4	-131.30	33.1mhos	47.70	-24.9mhos	36.30	32.4mhos
4-5	-117.00	40.4mhos	70.70	-248.2mhos	33.60	44.2mhos
5-6	-86.70	48.9mhos	81.60	169.8mhos	25.10	49.5mhos
6-7	-50.80	59.9mhos	73.50	120.3mhos	13.10	52.8mhos
7-8	-24.90	74.3mhos	58.70	140.5mhos	5.40	63.6mhos

Station 103.25E

1	-80.30		-34.90		17.10	
1-2	-95.30	31.8mhos	-25.00	7.3mhos	24.60	-116.5mhos
2-3	-105.90	36.9mhos	-8.30	5.6mhos	30.60	77.0mhos
3-4	-109.00	38.3mhos	10.50	0.0mhos	34.00	51.8mhos
4-5	-102.10	45.5mhos	31.90	-22.4mhos	35.20	61.4mhos
5-6	-79.80	53.4mhos	48.00	-352.5mhos	30.30	64.4mhos
6-7	-49.90	64.8mhos	50.90	194.7mhos	20.20	70.5mhos
7-8	-26.60	80.8mhos	45.20	174.3mhos	11.60	87.7mhos

Station 103.5E

1	-68.50		-30.60		10.10	
1-2	-81.20	31.6mhos	-24.40	8.8mhos	17.30	-22.3mhos
2-3	-91.30	39.1mhos	-12.70	8.2mhos	24.30	-460.3mhos
3-4	-95.60	40.7mhos	1.80	0.0mhos	29.40	85.2mhos
4-5	-91.50	48.2mhos	20.10	-8.4mhos	33.40	90.7mhos
5-6	-73.30	55.9mhos	36.10	-115.5mhos	31.40	79.1mhos
6-7	-47.00	67.0mhos	41.20	269.9mhos	23.20	82.2mhos
7-8	-25.50	82.4mhos	38.40	195.8mhos	15.00	101.4mhos

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CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99E					
1	357.70		98.20		-111.90	
1-2	390.50	20.5mhos	90.20	11.8mhos	-117.30	17.5mhos
2-3	395.00	25.8mhos	72.80	14.9mhos	-119.00	26.0mhos
4	384.10	32.1mhos	60.10	21.9mhos	-116.90	33.0mhos
5	363.20	46.7mhos	55.70	44.3mhos	-109.50	45.5mhos
5-6	307.90	62.3mhos	52.40	79.3mhos	-96.00	67.0mhos
6-7	230.60	84.0mhos	42.40	96.1mhos	-81.90	106.7mhos
7-8	161.40	113.2mhos	30.30	116.8mhos	-66.00	142.9mhos
	Station 99.35E					
1	344.60		14.50		-128.60	
1-2	394.80	25.8mhos	7.60	5.0mhos	-139.20	19.8mhos
2-3	417.40	30.0mhos	4.30	9.0mhos	-144.70	28.3mhos
3-4	416.70	34.7mhos	12.50	-15.1mhos	-142.80	33.5mhos
4-5	395.00	47.0mhos	30.40	-31.2mhos	-131.10	43.3mhos
5-6	328.60	60.0mhos	47.00	-268.2mhos	-106.50	57.3mhos
6-7	238.60	79.9mhos	44.50	136.2mhos	-77.90	80.9mhos
7-8	163.60	109.9mhos	32.20	119.1mhos	-57.00	121.2mhos
	Station 99.5E					
1	368.30		-18.40		-126.50	
1-2	430.00	28.7mhos	-23.40	58.7mhos	-147.20	28.2mhos
2-3	466.00	33.1mhos	-16.10	11.5mhos	-161.40	34.8mhos
3-4	473.60	36.7mhos	7.90	0.0mhos	-163.70	36.5mhos
4-5	449.70	47.2mhos	44.50	-12.6mhos	-153.10	45.4mhos
5-6	368.70	58.3mhos	71.70	-196.5mhos	-125.70	58.5mhos
6-7	259.90	76.4mhos	67.80	135.7mhos	-93.50	83.0mhos
7-8	177.70	109.5mhos	49.40	120.4mhos	-66.00	114.7mhos
	Station 99.75E					
1	419.70		-45.50		-171.20	
1-2	519.70	44.3mhos	-32.40	7.3mhos	-203.80	32.5mhos
2-3	576.20	36.6mhos	10.90	0.0mhos	-218.90	31.9mhos
4	581.40	35.9mhos	73.20	-7.1mhos	-205.10	29.0mhos
5	530.70	42.7mhos	136.20	-59.2mhos	-167.50	33.6mhos
5-6	409.70	52.3mhos	161.00	196.0mhos	-116.80	44.5mhos
6-7	273.50	70.7mhos	131.60	98.0mhos	-76.30	68.6mhos
7-8	179.60	103.5mhos	91.30	111.8mhos	-54.00	115.1mhos
	Station 100E					
1	524.10		-51.30		-204.90	
1-2	619.90	31.2mhos	3.00	0.0mhos	-250.70	39.9mhos
2-3	650.00	29.1mhos	95.30	-2.6mhos	-271.10	32.8mhos
3-4	612.30	29.4mhos	179.60	-36.1mhos	-259.10	30.6mhos
4-5	514.60	35.6mhos	230.80	246.9mhos	-220.40	36.5mhos
5-6	370.20	46.6mhos	219.10	81.2mhos	-163.40	48.9mhos
6-7	238.80	67.5mhos	157.50	78.7mhos	-110.50	72.0mhos
7-8	157.70	104.3mhos	101.20	100.6mhos	-75.80	110.0mhos
	Station 100.25E					
1	617.90		61.80		-242.70	
1-2	676.80	20.8mhos	160.40	-7.6mhos	-279.60	26.6mhos
2-3	641.70	21.3mhos	260.50	-49.3mhos	-286.30	26.8mhos
3-4	551.30	23.7mhos	311.90	79.0mhos	-263.60	27.7mhos
4-5	435.40	31.6mhos	313.10	55.4mhos	-222.90	36.0mhos
5-6	303.40	44.5mhos	254.90	57.6mhos	-165.80	49.2mhos
6-7	197.10	68.1mhos	169.60	70.4mhos	-112.00	71.9mhos
7-8	133.80	108.4mhos	106.80	98.0mhos	-76.60	109.5mhos
	Station 100.5E					
1	650.80		243.00		-260.50	
1-2	618.00	12.9mhos	357.40	-75.9mhos	-265.50	15.9mhos
2-3	508.50	15.5mhos	415.10	46.4mhos	-243.60	19.6mhos
3-4	399.80	20.0mhos	405.50	32.5mhos	-212.00	24.4mhos
4-5	305.90	29.9mhos	353.40	38.4mhos	-175.40	34.5mhos
5-6	217.30	45.8mhos	260.90	48.6mhos	-131.00	49.5mhos
6-7	149.30	73.6mhos	164.80	65.7mhos	-90.40	74.1mhos
8	108.10	119.2mhos	102.20	96.1mhos	-63.60	114.1mhos
	Station 100.75E					
1	542.30		493.20		-155.10	
1-2	450.40	9.5mhos	545.80	21.8mhos	-126.70	9.2mhos
2-3	333.70	12.9mhos	519.60	21.6mhos	-100.30	14.4mhos
3-4	251.50	18.6mhos	456.40	24.9mhos	-83.70	22.3mhos
4-5	195.90	30.9mhos	377.90	34.6mhos	-70.10	35.3mhos
5-6	148.50	50.7mhos	274.90	47.4mhos	-56.10	55.8mhos

1	542.30		493.20		-155.10	
1-2	450.40	9.5mhos	545.80	21.8mhos	-126.70	9.2mhos
2-3	333.70	12.9mhos	519.60	21.6mhos	-100.30	14.4mhos
3-4	251.50	18.6mhos	456.40	24.9mhos	-83.70	22.3mhos
4-5	195.90	30.9mhos	377.90	34.6mhos	-70.10	35.3mhos
5-6	148.50	50.7mhos	274.90	47.4mhos	-56.10	55.8mhos
6-7	111.10	83.8mhos	178.50	68.1mhos	-43.20	88.0mhos
7-8	86.00	133.0mhos	113.20	98.9mhos	-33.20	131.3mhos

Station 101E

1	357.00		633.10		-.30	
1-2	274.00	8.2mhos	598.90	12.7mhos	18.10	0.0mhos
2-3	193.40	11.9mhos	518.30	17.2mhos	20.90	44.9mhos
3-4	146.50	18.7mhos	437.20	22.8mhos	16.00	19.1mhos
4-5	120.30	34.0mhos	355.70	33.4mhos	10.20	22.9mhos
5-6	100.10	60.0mhos	257.80	47.2mhos	1.80	14.8mhos
6-7	82.40	99.3mhos	166.80	67.8mhos	-5.30	0.0mhos
7-8	68.40	151.2mhos	108.30	102.0mhos	-7.80	-1200.6mhos

Station 101.25E

1	137.90		677.00		136.10	
1-2	107.90	8.5mhos	601.50	10.9mhos	118.80	10.5mhos
2-3	80.50	13.0mhos	502.90	16.0mhos	101.80	16.8mhos
3-4	68.50	23.2mhos	419.40	22.3mhos	88.50	24.3mhos
4-5	65.80	48.7mhos	341.60	33.5mhos	76.90	38.2mhos
5-6	64.80	90.0mhos	250.10	47.9mhos	61.10	55.0mhos
6-7	61.10	134.7mhos	164.70	69.4mhos	45.00	81.7mhos
7-8	54.80	178.4mhos	108.90	104.5mhos	33.40	123.9mhos

Station 101.5E

1	-88.40		561.40		159.20	
1-2	-57.70	6.4mhos	504.50	11.2mhos	154.10	13.6mhos
2-3	-31.30	8.6mhos	428.60	16.5mhos	137.80	18.5mhos
3-4	-12.10	8.8mhos	361.50	22.8mhos	120.00	24.4mhos
4-5	8.90	0.0mhos	298.90	34.5mhos	104.60	38.4mhos
5-6	28.90	-35.5mhos	223.60	49.6mhos	83.50	55.5mhos
6-7	40.20	-6700.3mhos	151.50	72.2mhos	60.80	80.3mhos
7-8	42.00	276.1mhos	101.40	106.2mhos	44.00	119.1mhos

Station 101.75E

1	-201.50		399.90		-112.20	
1-2	-147.00	7.5mhos	396.00	14.5mhos	-118.60	18.0mhos
2-3	-98.20	11.0mhos	358.00	18.9mhos	-111.30	20.8mhos
3-4	-62.80	14.6mhos	314.20	24.8mhos	-101.20	26.9mhos
4-5	-29.60	16.4mhos	269.60	37.1mhos	-88.70	38.9mhos
5-6	1.50	0.0mhos	209.40	52.9mhos	-72.80	58.5mhos
6-7	21.90	-21.8mhos	147.30	76.2mhos	-55.20	85.7mhos
7-8	29.60	3649.3mhos	102.50	112.3mhos	-40.50	121.7mhos

Station 102E

1	-250.20		340.90		-114.70	
1-2	-204.70	9.2mhos	358.10	17.6mhos	-124.80	20.2mhos
2-3	-151.10	12.8mhos	335.80	20.7mhos	-120.90	22.6mhos
3-4	-106.70	16.8mhos	301.50	26.1mhos	-112.10	28.2mhos
4-5	-65.20	21.7mhos	264.00	38.8mhos	-99.90	40.4mhos
5-6	-24.80	23.6mhos	210.50	55.4mhos	-83.00	59.9mhos
6-7	3.80	0.0mhos	150.80	78.3mhos	-62.80	85.4mhos
7-8	17.10	-65.1mhos	106.10	114.1mhos	-46.10	121.8mhos

Station 102.25E

1	-328.70		215.80		0.00	
1-2	-294.00	11.1mhos	255.90	31.7mhos	-21.40	0.0mhos
2-3	-233.80	14.5mhos	266.40	28.4mhos	-39.10	-28.6mhos
3-4	-176.10	18.5mhos	258.00	31.7mhos	-48.90	113.8mhos
4-5	-122.10	25.6mhos	240.40	44.9mhos	-52.30	69.2mhos
5-6	-67.20	33.1mhos	201.80	61.1mhos	-49.60	81.0mhos
6-7	-25.10	39.3mhos	150.20	83.1mhos	-41.50	102.6mhos
7-8	-2.20	27.9mhos	108.30	118.4mhos	-32.30	134.2mhos

Station 102.5E

1	-314.10		113.10		41.10	
1-2	-299.20	13.0mhos	163.70	-101.5mhos	18.80	4.4mhos
2-3	-252.80	16.3mhos	196.50	57.3mhos	-5.30	0.0mhos
3	-201.70	20.5mhos	208.30	42.6mhos	-22.60	-10.0mhos
4	-149.30	28.3mhos	207.30	54.0mhos	-32.60	-401.4mhos
5-6	-92.00	37.7mhos	182.60	67.7mhos	-36.20	139.7mhos
6-7	-44.10	48.5mhos	140.20	87.5mhos	-33.30	126.5mhos
7-8	-15.80	57.0mhos	102.70	121.4mhos	-27.20	146.6mhos

Station 102.75E

1	-256.30		18.40		67.70	
1-2	-268.80	17.5mhos	63.70	-5.2mhos	66.80	14.3mhos

Station 102.75E

1	-256.30		18.40		67.70	
1-2	-268.80	17.5mhos	63.70	-5.2mhos	66.80	14.3mhos
2-3	-250.40	20.4mhos	108.40	-38.3mhos	56.80	16.5mhos
3-4	-217.20	24.2mhos	137.60	134.0mhos	45.30	20.5mhos
4-5	-174.50	32.6mhos	153.70	83.4mhos	35.00	30.4mhos
5-6	-118.80	43.0mhos	147.00	82.8mhos	23.40	41.9mhos
6-7	-65.80	56.2mhos	119.10	96.4mhos	12.50	54.1mhos
7-8	-31.70	73.1mhos	90.00	127.6mhos	6.10	74.0mhos

Station 103E

1	-187.10		-37.10		62.70	
1-2	-211.60	24.1mhos	-9.60	2.9mhos	59.20	12.7mhos
2-3	-217.40	27.1mhos	28.30	0.0mhos	45.50	13.7mhos
3-4	-205.80	29.8mhos	61.60	-24.7mhos	29.20	14.7mhos
4-5	-179.00	38.2mhos	88.70	-418.1mhos	14.10	16.8mhos
5-6	-131.90	48.4mhos	99.40	145.8mhos	.50	8.3mhos
6-7	-79.90	62.3mhos	89.10	118.9mhos	-8.30	0.0mhos
7-8	-43.20	82.1mhos	71.70	142.5mhos	-11.20	3387.4mhos

Station 103.25E

1	-134.30		-49.50		49.10	
1-2	-159.50	32.0mhos	-38.20	8.3mhos	52.60	19.0mhos
2-3	-174.70	34.6mhos	-14.80	6.3mhos	49.70	21.1mhos
3-4	-176.10	35.7mhos	11.90	0.0mhos	42.20	23.1mhos
4-5	-162.00	43.5mhos	39.50	-20.1mhos	33.20	31.4mhos
5-6	-125.80	52.8mhos	59.30	-362.1mhos	21.10	39.2mhos
6-7	-79.40	65.6mhos	62.30	188.1mhos	9.60	46.3mhos
7-8	-44.70	85.7mhos	55.20	173.5mhos	2.50	46.1mhos

Station 103.5E

1	-95.30		-55.00		39.30	
1-2	-115.50	37.0mhos	-50.60	11.9mhos	43.90	22.7mhos
2-3	-131.80	42.1mhos	-36.40	12.3mhos	44.10	25.2mhos
3-4	-138.70	41.4mhos	-15.90	9.8mhos	39.90	26.6mhos
4-5	-133.80	49.3mhos	9.10	0.0mhos	33.80	36.2mhos
5-6	-108.40	57.0mhos	32.80	-31.7mhos	23.30	43.8mhos
6-7	-71.10	69.0mhos	43.30	1150.3mhos	12.00	52.1mhos
7-8	-40.90	87.9mhos	42.20	220.9mhos	4.30	57.0mhos

BEAV L106N DEEPEM file:BV106N

CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99.15E					
1	349.60		-6.70		-41.90	
1-2	399.40	25.4mhos	-21.40	-5.7mhos	-44.20	17.9mhos
3	422.50	30.1mhos	-19.20	18.6mhos	-51.00	44.7mhos
4	426.40	35.9mhos	-.60	3.0mhos	-60.20	71.8mhos
4-5	405.00	47.2mhos	25.80	0.0mhos	-67.40	84.3mhos
5-6	334.90	59.3mhos	47.10	-108.7mhos	-61.00	72.0mhos
6-7	239.80	78.2mhos	45.70	145.7mhos	-46.00	84.9mhos
7-8	167.60	113.0mhos	32.20	114.4mhos	-33.60	120.8mhos
	Station 99.4E					
1	349.80		-42.30		-53.10	
1-2	414.10	31.3mhos	-56.00	115.1mhos	-59.90	23.8mhos
2-3	449.90	33.5mhos	-45.10	14.9mhos	-66.80	37.6mhos
3-4	457.70	36.8mhos	-13.50	7.4mhos	-73.60	49.8mhos
4-5	430.40	46.0mhos	24.40	0.0mhos	-76.00	60.8mhos
5-6	349.30	57.2mhos	50.70	-74.3mhos	-64.90	63.3mhos
6-7	245.80	76.2mhos	48.20	137.7mhos	-46.70	78.8mhos
7-8	170.80	112.0mhos	33.00	109.7mhos	-33.60	118.0mhos
	Station 99.65E					
1	383.60		-96.30		-62.70	
1-2	475.30	44.6mhos	-97.30	15.4mhos	-72.90	28.0mhos
2-3	523.20	35.4mhos	-55.70	9.1mhos	-80.90	36.7mhos
3-4	518.30	33.9mhos	7.70	0.0mhos	-86.30	43.6mhos
4-5	464.90	41.0mhos	63.60	-9.9mhos	-85.70	53.6mhos
5-6	359.40	52.4mhos	87.60	mhos	-70.90	59.4mhos
6-7	245.60	73.0mhos	71.70	98.2mhos	0.00	0.0mhos
7-8	169.80	111.2mhos	47.40	104.5mhos	0.00	0.0mhos
	Station 100E					
1	475.40		-65.20		-85.80	
1-2	564.90	32.1mhos	-17.90	3.0mhos	-88.50	16.5mhos
2-3	573.90	26.1mhos	55.40	0.0mhos	-84.20	21.5mhos
3-4	523.10	27.1mhos	113.70	-28.3mhos	-77.60	27.8mhos
4-5	442.10	36.0mhos	143.70	200.2mhos	-68.60	39.6mhos
5-6	333.20	50.2mhos	135.60	79.9mhos	-51.70	50.2mhos
7	231.40	74.7mhos	97.50	78.7mhos	-35.50	73.5mhos
7-8	164.60	116.0mhos	63.80	103.0mhos	-25.60	118.4mhos
	Station 100.25E					
1	568.50		7.40		-86.40	
1-2	609.80	19.1mhos	98.70	-2.1mhos	-102.40	31.6mhos
2-3	562.00	19.8mhos	177.70	-30.2mhos	-104.10	26.2mhos
3-4	480.70	23.5mhos	210.90	74.4mhos	-112.10	45.3mhos
4-5	390.70	33.3mhos	209.10	53.4mhos	-99.80	40.3mhos
5-6	288.50	48.6mhos	171.60	58.4mhos	-84.00	61.4mhos
6-7	198.90	74.0mhos	116.00	71.9mhos	-53.00	65.6mhos
7-8	141.10	115.5mhos	75.20	101.8mhos	-41.60	136.2mhos
	Station 100.5E					
1	577.30		116.80		-111.70	
1-2	540.30	12.4mhos	198.40	-23.2mhos	-112.80	15.4mhos
2-3	452.00	16.0mhos	229.90	45.8mhos	-110.50	23.4mhos
3-4	372.40	21.8mhos	222.40	31.6mhos	-104.80	29.9mhos
4-5	302.10	33.2mhos	196.50	39.6mhos	-93.70	40.7mhos
5-6	227.80	50.3mhos	149.90	51.3mhos	-72.00	51.9mhos
6-7	162.90	78.1mhos	98.30	69.0mhos	-49.40	73.5mhos
7-8	118.80	120.5mhos	63.60	101.5mhos	-33.80	109.6mhos
	Station 100.75E					
1	432.00		329.30		-71.10	
1-2	378.90	10.6mhos	368.60	23.0mhos	-59.20	9.5mhos
2-3	312.90	15.6mhos	354.50	22.2mhos	-49.30	15.9mhos
3-4	262.80	22.6mhos	318.70	26.2mhos	-42.60	24.0mhos
4-5	220.70	35.5mhos	271.70	36.6mhos	-36.90	37.9mhos
5-6	174.50	54.5mhos	204.10	50.0mhos	-27.60	49.6mhos
6-7	131.20	84.5mhos	135.30	70.0mhos	-19.30	75.5mhos
7-8	99.00	127.3mhos	89.40	104.4mhos	-13.10	108.3mhos
	Station 101E					
1	304.00		377.80		-180.40	
1-2	258.20	9.9mhos	387.10	16.1mhos	-159.70	10.8mhos
2-3	215.30	15.9mhos	355.30	19.6mhos	-133.20	15.9mhos
3-4	184.90	23.7mhos	313.00	25.0mhos	-112.10	22.7mhos
4-5	160.10	37.9mhos	264.60	36.0mhos	-93.90	35.4mhos
5-6	132.30	59.2mhos	199.50	50.3mhos	-69.60	48.9mhos
6-7	103.80	90.9mhos	134.30	71.5mhos	-47.10	72.0mhos

7-8	80.20	132.5mhos	89.90	106.3mhos	-31.40	105.7mhos
	Station 101.25E					
1	194.50		364.60		-182.50	
1-2	165.30	9.9mhos	355.40	13.8mhos	-149.00	9.2mhos
2-3	140.40	16.5mhos	318.50	18.5mhos	-117.90	14.4mhos
3-4	124.20	25.3mhos	277.40	24.4mhos	-97.20	21.8mhos
4-5	112.10	41.6mhos	234.10	35.9mhos	-81.10	35.1mhos
[illegible]	97.70	66.1mhos	177.50	50.7mhos	-60.30	49.1mhos
[illegible]	80.10	98.6mhos	121.40	73.1mhos	-40.90	72.3mhos
7-8	63.60	139.1mhos	82.40	108.3mhos	-26.90	103.7mhos
	Station 101.8E					
1	-26.90		358.20		-42.00	
1-2	-7.70	3.1mhos	329.40	11.8mhos	-39.20	12.3mhos
2-3	5.90	0.0mhos	287.80	17.5mhos	-35.00	18.4mhos
3-4	15.50	-17.5mhos	251.00	24.5mhos	-32.70	28.8mhos
4-5	25.90	-92.4mhos	215.10	37.0mhos	-30.10	43.6mhos
5-6	34.70	1017.7mhos	167.90	53.3mhos	-24.90	59.4mhos
6-7	37.00	198.9mhos	118.20	76.3mhos	-17.70	77.4mhos
7-8	33.60	183.7mhos	81.50	110.8mhos	-11.10	97.5mhos
	Station 102E					
1	-105.80		300.00		-28.40	
1-2	-77.50	7.6mhos	290.00	13.5mhos	-35.50	48.5mhos
2-3	-51.80	11.0mhos	262.50	19.0mhos	-37.70	30.6mhos
3-4	-31.60	13.8mhos	234.50	25.8mhos	-38.00	35.7mhos
4-5	-12.20	13.9mhos	205.60	38.9mhos	-36.50	48.7mhos
5-6	6.30	0.0mhos	164.30	55.6mhos	-31.00	62.6mhos
6-7	17.40	-74.0mhos	117.90	78.5mhos	-22.40	79.3mhos
7-8	20.60	500.9mhos	82.20	112.6mhos	-14.30	99.7mhos
	Station 102.25E					
1	-176.20		252.00		80.80	
1-2	-144.20	9.2mhos	254.60	15.4mhos	68.00	9.7mhos
2-3	-109.40	13.4mhos	238.40	20.6mhos	54.30	14.6mhos
3-4	-80.30	17.8mhos	218.30	27.4mhos	42.70	20.0mhos
4-5	-52.50	23.6mhos	196.20	41.2mhos	33.40	31.1mhos
5-6	-24.10	27.6mhos	160.10	57.8mhos	24.20	47.2mhos
6-7	-3.30	22.2mhos	116.90	80.6mhos	16.80	74.7mhos
7-8	6.60	0.0mhos	82.60	114.8mhos	13.00	132.9mhos
	Station 102.5E					
1	-225.80		143.30		85.00	
1-2	-199.50	10.8mhos	166.40	27.8mhos	75.00	10.8mhos
2-3	-163.40	15.4mhos	174.20	29.0mhos	61.80	15.5mhos
3-4	-129.60	20.3mhos	172.30	33.7mhos	49.50	20.6mhos
4-5	-96.00	28.4mhos	165.30	48.5mhos	39.50	32.2mhos
5-6	-58.30	37.0mhos	142.30	64.4mhos	29.20	48.7mhos
6-7	-27.40	47.7mhos	108.00	85.8mhos	20.50	75.9mhos
7-8	-9.50	55.7mhos	78.10	119.0mhos	15.20	123.7mhos
	Station 102.7E					
1	-219.90		65.70		77.70	
1-2	-209.10	12.9mhos	98.20	-60.5mhos	75.80	13.9mhos
2-3	-183.30	17.6mhos	121.90	75.5mhos	67.00	18.0mhos
3-4	-154.30	22.7mhos	134.50	50.2mhos	56.90	23.1mhos
4-5	-121.10	31.3mhos	139.30	61.5mhos	48.40	36.5mhos
5-6	-80.60	41.7mhos	127.40	73.8mhos	37.20	51.9mhos
6-7	-43.80	55.1mhos	100.20	91.3mhos	26.00	75.4mhos
7-8	-20.20	70.1mhos	74.60	124.6mhos	19.50	126.1mhos
	Station 103E					
1	-151.30		-34.70		48.70	
1-2	-167.20	21.6mhos	-11.60	3.4mhos	54.20	22.3mhos
2-3	-170.10	26.3mhos	18.00	0.0mhos	55.70	27.2mhos
3-4	-161.80	30.2mhos	42.60	-20.8mhos	53.80	31.5mhos
4-5	-141.60	38.8mhos	65.20	-171.1mhos	50.50	45.8mhos
5-6	-105.80	49.5mhos	75.20	169.2mhos	42.60	61.7mhos
6-7	-65.20	63.7mhos	68.80	124.8mhos	31.90	84.0mhos
7-8	-36.20	84.4mhos	55.80	144.6mhos	24.00	126.7mhos
	Station 103.25E					
1	-100.50		-50.30		28.00	
1-2	-119.20	31.7mhos	-40.10	8.8mhos	33.70	35.1mhos
2-3	-132.10	36.5mhos	-21.50	8.5mhos	37.70	38.1mhos
[illegible]	-136.00	38.3mhos	-.40	2.6mhos	39.40	40.4mhos
[illegible]5	-128.40	46.5mhos	23.00	0.0mhos	39.90	57.0mhos
5-6	-103.50	56.5mhos	41.20	-116.6mhos	35.80	70.6mhos
6-7	-68.90	70.4mhos	46.00	242.0mhos	27.70	88.7mhos
7-8	-40.80	90.9mhos	41.80	183.9mhos	21.20	130.4mhos
	Station 103.5E					
1	-74.10		-50.00		21.70	

1-2	-90.00	37.6mhos	-45.90	11.8mhos	26.30	37.0mhos
2-3	-104.30	45.8mhos	-35.00	13.5mhos	29.80	40.6mhos
3-4	-112.60	45.7mhos	-19.70	12.5mhos	31.80	43.7mhos
4-5	-111.40	53.0mhos	.50	0.0mhos	32.90	61.2mhos
5-6	-93.90	61.6mhos	20.50	-9.0mhos	29.80	72.1mhos
6-7	-65.20	74.7mhos	30.50	-685.2mhos	23.10	89.0mhos
7-8	-39.70	94.0mhos	31.90	277.2mhos	17.60	129.4mhos

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CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99E					
1	264.20		-120.90		57.20	
1-2	299.50	24.4mhos	-129.70	19.1mhos	56.50	14.4mhos
3	325.60	33.6mhos	-124.80	22.2mhos	43.70	13.8mhos
4	341.60	41.0mhos	-110.40	25.3mhos	28.80	15.2mhos
4-5	342.20	55.1mhos	-86.30	31.1mhos	18.20	22.6mhos
5-6	301.20	67.5mhos	-50.90	35.7mhos	14.30	53.9mhos
6-7	226.90	84.8mhos	-20.90	42.3mhos	11.80	99.8mhos
7-8	162.50	117.2mhos	-5.00	43.9mhos	9.70	148.4mhos
	Station 99.25E					
1	307.80		-180.40		33.10	
1-2	353.50	26.2mhos	-195.20	19.8mhos	20.50	6.0mhos
2-3	385.00	33.8mhos	-183.00	20.7mhos	-1.30	0.0mhos
3-4	400.10	39.6mhos	-153.70	22.6mhos	-17.90	-4.9mhos
4-5	393.60	52.1mhos	-112.20	27.7mhos	-22.70	208.3mhos
5-6	338.30	64.2mhos	-60.00	32.1mhos	-14.60	39.8mhos
6-7	247.80	81.0mhos	-19.30	35.3mhos	-3.70	30.3mhos
7-8	173.80	113.6mhos	.10	0.0mhos	3.00	0.0mhos
	Station 99.5E					
1	352.30		-144.70		-.60	
1-2	411.10	28.6mhos	-147.40	15.8mhos	-22.20	-1.5mhos
2-3	441.90	32.0mhos	-127.20	17.1mhos	-45.00	-20.9mhos
3-4	447.60	36.3mhos	-99.30	19.7mhos	-56.40	116.4mhos
4-5	428.00	48.1mhos	-66.10	24.2mhos	-54.60	49.8mhos
5-6	356.50	60.2mhos	-28.20	25.9mhos	-37.80	44.0mhos
6-7	253.60	77.5mhos	-.90	13.6mhos	-17.30	46.5mhos
7-8	173.90	109.9mhos	10.70	0.0mhos	-3.90	42.4mhos
	Station 99.75E					
1	353.60		-88.40		-27.30	
1-2	417.20	30.7mhos	-78.10	10.8mhos	-40.40	-69.2mhos
2-3	448.00	31.9mhos	-57.00	12.6mhos	-50.70	84.1mhos
3-4	449.40	35.2mhos	-36.00	14.4mhos	-55.00	46.6mhos
4-5	424.60	46.6mhos	-14.00	13.9mhos	-50.90	44.2mhos
5-6	347.40	58.1mhos	7.70	0.0mhos	-35.90	45.3mhos
7	245.80	76.8mhos	18.80	-90.0mhos	-17.50	49.3mhos
7-8	164.20	106.0mhos	22.10	478.7mhos	-4.10	43.4mhos
	Station 100E					
1	401.80		-35.80		-39.60	
1-2	451.90	23.5mhos	-9.50	2.9mhos	-41.00	16.7mhos
2-3	467.40	27.8mhos	16.70	0.0mhos	-41.10	25.0mhos
3-4	459.90	33.2mhos	34.80	-27.3mhos	-41.70	36.5mhos
4-5	426.00	44.3mhos	47.90	6166.9mhos	-39.60	47.2mhos
5-6	341.90	56.0mhos	51.80	124.5mhos	-27.80	45.0mhos
6-7	235.10	73.7mhos	43.20	101.9mhos	-12.00	44.2mhos
7-8	157.10	106.0mhos	33.20	131.3mhos	-.40	20.7mhos
	Station 100.25E					
1	431.20		4.30		-42.10	
1-2	467.00	19.8mhos	38.50	-2.6mhos	-38.40	11.6mhos
2-3	467.60	25.0mhos	65.70	-37.8mhos	-37.80	23.7mhos
3-4	449.70	31.1mhos	80.10	90.5mhos	-41.70	50.1mhos
4-5	408.40	42.2mhos	87.60	75.8mhos	-43.00	60.6mhos
5-6	321.70	54.2mhos	82.10	78.5mhos	-33.30	52.6mhos
6-7	218.60	72.4mhos	65.50	93.7mhos	-16.80	51.0mhos
7-8	144.60	104.5mhos	50.70	132.9mhos	-4.20	45.0mhos
	Station 100.5E					
1	424.70		78.10		-25.70	
1-2	448.50	18.0mhos	111.30	-151.0mhos	-16.60	6.3mhos
2-3	440.30	23.5mhos	132.40	53.9mhos	-14.20	16.7mhos
3-4	418.30	30.1mhos	140.60	42.8mhos	-18.30	163.6mhos
4-5	376.50	41.3mhos	138.60	52.5mhos	-19.90	74.0mhos
5-6	294.80	53.6mhos	115.60	60.3mhos	-14.10	45.6mhos
6-7	200.10	72.3mhos	77.10	70.6mhos	-3.10	27.9mhos
7-8	132.00	104.2mhos	42.70	84.2mhos	5.60	0.0mhos
	Station 100.75E					
	410.90		162.50		-27.90	
1-2	408.80	14.7mhos	191.30	30.2mhos	-24.10	10.3mhos
2-3	386.00	21.1mhos	199.40	28.5mhos	-26.30	34.1mhos
3-4	358.50	28.4mhos	194.20	32.2mhos	-31.00	71.1mhos
4-5	318.40	40.0mhos	179.40	44.0mhos	-32.00	60.8mhos
5-6	248.10	53.2mhos	144.40	56.3mhos	-24.00	49.8mhos
6-7	169.10	72.8mhos	101.40	76.0mhos	-11.40	48.1mhos

7-8	112.00	104.7mhos	70.70	112.6mhos	-1.60	33.6mhos
	Station 101E					
1	310.30		235.10		4.00	
1-2	306.90	14.4mhos	246.10	17.4mhos	4.90	40.3mhos
2-3	290.10	21.2mhos	239.60	23.0mhos	1.70	5.8mhos
3-4	269.20	28.3mhos	224.70	29.1mhos	-3.00	0.0mhos
4-5	241.40	40.9mhos	201.50	40.9mhos	-4.50	-212.5mhos
5-6	195.80	57.2mhos	158.60	54.1mhos	-2.20	29.3mhos
7	145.70	83.1mhos	109.90	74.5mhos	3.20	0.0mhos
8	103.20	115.3mhos	75.60	110.4mhos	7.10	-162.1mhos
	Station 101.25E					
1	231.90		249.30		-.60	
1-2	227.80	14.1mhos	253.50	15.7mhos	-1.00	-25.5mhos
2-3	215.00	21.1mhos	242.90	21.9mhos	-2.90	-10.8mhos
3-4	199.60	28.3mhos	225.30	28.3mhos	-5.30	-40.0mhos
4-5	180.10	41.5mhos	201.00	40.5mhos	-4.90	44.1mhos
5-6	144.90	56.3mhos	158.40	54.2mhos	-2.20	27.1mhos
6-7	103.30	77.7mhos	111.30	76.0mhos	2.60	0.0mhos
7-8	70.70	109.6mhos	76.60	110.5mhos	6.30	-136.7mhos
	Station 101.5E					
1	156.80		271.20		35.40	
1-2	155.70	14.6mhos	261.90	13.5mhos	34.70	14.1mhos
2-3	147.20	21.2mhos	242.40	20.0mhos	30.90	18.3mhos
3-4	137.40	28.7mhos	220.20	26.9mhos	26.70	24.0mhos
4-5	126.10	43.3mhos	194.20	39.4mhos	23.70	40.0mhos
5-6	104.30	59.3mhos	152.80	54.1mhos	20.20	63.0mhos
6-7	76.20	80.7mhos	106.70	75.3mhos	17.50	110.2mhos
7-8	53.70	114.4mhos	73.60	110.9mhos	15.70	178.5mhos
	Station 101.75E					
1	89.60		249.70		36.40	
1-2	92.80	16.8mhos	245.50	14.2mhos	34.80	13.1mhos
2-3	89.70	22.5mhos	228.80	20.4mhos	30.20	17.3mhos
3-4	87.40	32.3mhos	208.90	27.2mhos	24.00	20.4mhos
4-5	82.60	46.6mhos	186.40	40.5mhos	21.40	40.4mhos
5-6	70.40	63.0mhos	149.10	55.7mhos	17.90	60.7mhos
6-7	53.10	85.0mhos	105.10	76.4mhos	15.50	110.1mhos
7-8	38.40	119.0mhos	72.40	110.6mhos	14.00	181.3mhos
	Station 102E					
1	52.20		217.20		34.30	
1-2	57.20	20.8mhos	214.60	14.4mhos	32.90	13.2mhos
2-3	56.70	24.2mhos	200.40	20.5mhos	28.50	17.2mhos
3-4	54.70	31.4mhos	183.00	27.2mhos	24.60	23.9mhos
4-5	55.50	57.4mhos	164.00	40.9mhos	21.70	39.4mhos
5-6	51.10	75.1mhos	131.60	56.0mhos	18.10	60.3mhos
6-7	41.20	95.5mhos	93.00	76.7mhos	15.00	100.6mhos
7-8	31.40	129.5mhos	64.20	111.0mhos	13.30	173.7mhos
	Station 102.25E					
1	-10.00		209.60		34.40	
1-2	-4.90	4.6mhos	210.60	15.2mhos	31.60	11.8mhos
2-3	.20	0.0mhos	197.20	20.6mhos	25.40	14.8mhos
3-4	5.30	-3.8mhos	181.80	27.8mhos	20.40	20.7mhos
4-5	13.60	-28.5mhos	164.50	41.8mhos	18.30	41.0mhos
5-6	19.00	-2531.3mhos	134.60	58.1mhos	16.10	67.5mhos
6-7	19.70	179.4mhos	98.30	80.7mhos	14.10	112.9mhos
7-8	17.30	170.0mhos	70.00	116.2mhos	14.10	238.6mhos
	Station 102.5E					
1	-56.50		200.20		28.40	
1-2	-53.10	12.5mhos	206.40	16.5mhos	23.30	9.2mhos
2-3	-44.20	15.8mhos	194.00	20.8mhos	17.70	13.4mhos
3-4	-33.70	18.9mhos	179.70	28.2mhos	14.20	20.7mhos
4-5	-20.00	20.9mhos	165.50	43.6mhos	10.80	29.6mhos
5-6	-7.00	22.2mhos	141.20	63.2mhos	10.10	78.1mhos
6-7	1.90	0.0mhos	111.50	91.9mhos	10.30	169.6mhos
7-8	9.10	-61.8mhos	84.50	128.3mhos	9.90	212.5mhos
	Station 102.67E					
1	-141.60		132.30		37.00	
1-2	-129.70	11.7mhos	146.00	21.5mhos	34.60	12.4mhos
2-3	-107.50	15.7mhos	148.00	26.0mhos	28.90	16.0mhos
4	-85.50	20.4mhos	145.80	33.3mhos	25.00	24.0mhos
5	-63.70	28.6mhos	140.40	49.0mhos	22.10	39.6mhos
5-6	-39.40	37.9mhos	121.40	65.0mhos	20.50	76.5mhos
6-7	-20.40	52.4mhos	92.20	85.9mhos	17.20	103.1mhos
7-8	-9.00	67.4mhos	64.20	112.4mhos	13.90	143.6mhos
	Station 103E					
1	-147.60		40.30		22.10	

1-2	-143.70	13.8mhos	65.00	-30.9mhos	19.70	11.0mhos
2-3	-129.50	18.8mhos	85.40	162.2mhos	15.60	14.4mhos
3-4	-111.40	23.8mhos	98.50	62.5mhos	12.60	21.0mhos
4-5	-92.00	34.4mhos	105.80	70.4mhos	10.50	35.0mhos
5-6	-64.70	45.1mhos	100.30	80.9mhos	10.60	97.1mhos
6-7	-39.10	62.2mhos	80.30	94.3mhos	10.00	134.9mhos
7-8	-21.30	82.7mhos	58.70	121.0mhos	9.00	179.8mhos

Station 103.25E

1	-120.10		3.80		21.20	
1-2	-129.00	19.2mhos	24.90	-3.1mhos	21.10	14.7mhos
2-3	-127.90	24.2mhos	46.70	-26.1mhos	18.80	18.3mhos
3-4	-120.40	29.4mhos	63.50	745.8mhos	17.00	26.6mhos
4-5	-107.80	40.8mhos	76.00	123.8mhos	15.70	43.9mhos
5-6	-82.80	51.8mhos	78.70	105.7mhos	15.60	92.5mhos
6-7	-54.40	69.2mhos	67.40	107.6mhos	14.10	121.3mhos
7-8	-33.40	94.9mhos	51.40	129.6mhos	11.30	141.4mhos

Station 103.5E

1	-90.70		-13.10		23.60	
1-2	-103.40	25.2mhos	1.00	0.0mhos	24.00	15.7mhos
2-3	-109.80	30.5mhos	14.90	-3.4mhos	20.10	16.0mhos
3-4	-107.40	32.6mhos	31.70	-26.0mhos	21.10	41.0mhos
4-5	-100.60	45.5mhos	44.00	-3204.6mhos	20.40	49.6mhos
5-6	-81.40	56.9mhos	51.30	180.0mhos	20.20	91.5mhos
6-7	-57.10	75.9mhos	47.30	127.2mhos	18.40	123.5mhos
7-8	-37.10	102.1mhos	37.90	141.4mhos	14.30	133.9mhos

BEAV L110N DEEPEM file:BV110N

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CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99E					
1	-73.30		-74.80		-309.90	
1-2	-84.90	27.4mhos	-45.90	5.9mhos	-323.90	17.3mhos
2-3	-99.70	49.6mhos	-7.50	3.8mhos	-313.20	22.5mhos
3-4	-118.30	74.3mhos	23.90	0.0mhos	-288.60	27.8mhos
4-5	-136.20	97.3mhos	45.60	-54.6mhos	-248.80	37.5mhos
5-6	-139.20	101.1mhos	49.50	126.5mhos	-179.60	46.9mhos
6-7	-123.90	117.0mhos	34.50	75.1mhos	-107.40	61.4mhos
7-8	-101.90	148.5mhos	14.80	65.8mhos	-60.60	86.0mhos
	Station 99.25E					
1	6.80		-124.80		-401.60	
1-2	-29.40	0.0mhos	-78.20	6.1mhos	-399.40	14.7mhos
2-3	-78.60	-12.1mhos	-29.60	6.2mhos	-365.90	19.5mhos
3-4	-120.10	-110.6mhos	3.50	0.0mhos	-319.60	24.6mhos
4-5	-150.40	181.3mhos	25.40	-10.6mhos	-261.10	33.7mhos
5-6	-155.30	104.7mhos	32.40	385.0mhos	-176.90	42.7mhos
6-7	-135.00	111.0mhos	20.50	65.8mhos	-100.00	57.5mhos
7-8	-106.80	138.2mhos	3.30	35.8mhos	-55.90	85.1mhos
	Station 99.5E					
1	13.70		-74.40		-408.60	
1-2	-42.50	0.0mhos	-40.30	5.1mhos	-398.90	13.9mhos
2-3	-97.00	-15.9mhos	-13.80	5.7mhos	-359.20	18.8mhos
3-4	-135.60	-889.2mhos	5.70	0.0mhos	-307.30	23.5mhos
4-5	-161.90	121.7mhos	20.40	-18.5mhos	-243.80	31.9mhos
5-6	-161.90	94.3mhos	23.70	176.3mhos	-159.00	40.5mhos
6-7	-136.00	103.4mhos	11.50	49.1mhos	-87.10	55.6mhos
7-8	-103.70	129.6mhos	-3.50	0.0mhos	-48.90	85.5mhos
	Station 99.75E					
1	-31.80		-61.10		-363.60	
1-2	-78.60	-8.3mhos	-57.60	12.6mhos	-369.70	15.7mhos
	-117.60	-99.5mhos	-43.70	13.4mhos	-337.10	19.3mhos
3 4	-147.10	114.0mhos	-26.50	13.7mhos	-288.30	23.5mhos
4-5	-167.20	90.9mhos	-11.50	15.3mhos	-225.80	31.2mhos
5-6	-162.80	87.1mhos	-5.10	26.8mhos	-146.80	40.4mhos
6-7	-133.30	98.3mhos	-10.30	-134.9mhos	-81.90	56.7mhos
7-8	-96.80	119.7mhos	-17.80	-342.3mhos	-47.40	88.5mhos
	Station 100E					
1	-68.10		-41.90		-340.70	
1-2	-94.30	-1531.6mhos	-37.70	11.2mhos	-340.00	14.8mhos
2-3	-123.80	159.7mhos	-22.40	9.5mhos	-302.70	18.3mhos
3-4	-151.30	92.3mhos	-10.30	10.2mhos	-250.00	21.9mhos
4-5	-170.30	86.5mhos	-5.60	19.0mhos	-190.50	29.7mhos
5-6	-161.80	81.4mhos	-9.60	-140.3mhos	-121.10	39.2mhos
6-7	-127.30	91.3mhos	-18.30	-159.1mhos	-68.70	57.7mhos
7-8	-90.40	115.7mhos	-23.80	1290.9mhos	-41.80	93.9mhos
	Station 100.2E					
1	-65.00		-63.00		-350.10	
1-2	-87.00	156.0mhos	-49.00	8.4mhos	-336.70	13.3mhos
2-3	-116.80	288.2mhos	-28.90	9.4mhos	-289.70	17.0mhos
3-4	-146.60	118.1mhos	-18.70	14.8mhos	-232.30	20.7mhos
4-5	-165.60	88.1mhos	-18.30	51.3mhos	-172.00	28.4mhos
5-6	-155.60	79.0mhos	-24.10	646.0mhos	-107.00	38.1mhos
6-7	-119.90	88.1mhos	-29.20	393.8mhos	-59.60	56.6mhos
7-8	-84.30	114.0mhos	-30.80	285.9mhos	-35.80	92.4mhos
	Station 100.5E					
1	-3.20		-71.00		-275.10	
1-2	-36.40	-2.3mhos	-46.10	6.4mhos	-269.40	14.0mhos
2-3	-81.70	-16.5mhos	-27.00	9.3mhos	-229.10	16.5mhos
3-4	-119.60	-191.3mhos	-25.10	28.4mhos	-181.00	20.1mhos
4-5	-140.40	109.0mhos	-33.50	524.3mhos	-134.70	28.6mhos
5-6	-132.30	79.6mhos	-40.20	217.0mhos	-86.80	39.9mhos
	-101.10	86.8mhos	-40.50	163.0mhos	-52.80	62.7mhos
7 8	-70.20	111.9mhos	-36.40	179.2mhos	-35.00	104.8mhos
	Station 100.75E					
1	23.40		-36.40		-239.20	
1-2	-30.50	0.0mhos	-19.10	5.0mhos	-232.00	13.6mhos
2-3	-84.40	-11.5mhos	-19.40	26.1mhos	-196.60	16.4mhos

3-4	-117.00	-2647.3mhos	-33.50	-50.2mhos	-156.30	20.4mhos
4-5	-128.50	77.3mhos	-49.80	-238.3mhos	-118.90	29.6mhos
5-6	-115.60	71.0mhos	-55.70	144.5mhos	-79.80	42.1mhos
6-7	-86.80	84.3mhos	-50.00	119.3mhos	-50.90	66.5mhos
7-8	-60.30	112.0mhos	-41.20	149.1mhos	-34.00	106.0mhos

Station 101E

1	-25.00		-23.40		-176.30	
1-2	-69.20	-6.9mhos	-31.30	152.9mhos	-169.40	13.3mhos
3	-100.30	-164.2mhos	-47.50	-84.6mhos	-145.80	17.0mhos
4	-112.30	53.7mhos	-63.00	281.2mhos	-119.00	21.4mhos
4-5	-110.80	52.6mhos	-73.30	103.3mhos	-94.30	31.8mhos
5-6	-93.60	61.9mhos	-70.30	83.5mhos	-66.40	45.2mhos
6-7	-68.10	80.2mhos	-57.40	97.8mhos	-44.00	70.0mhos
7-8	-46.70	109.9mhos	-44.20	131.8mhos	-30.50	111.6mhos

Station 101.25E

1	-50.60		-25.80		-134.20	
1-2	-74.70	-71.6mhos	-62.30	-8.6mhos	-127.70	12.9mhos
2-3	-87.10	47.5mhos	-51.70	15.7mhos	-110.70	17.2mhos
3-4	-89.20	37.6mhos	-84.60	-66.1mhos	-92.90	22.6mhos
4-5	-84.80	47.4mhos	-64.70	29.9mhos	-76.40	34.1mhos
5-6	-70.80	60.4mhos	-81.20	319.2mhos	-56.00	48.0mhos
6-7	-51.80	80.9mhos	-42.50	52.9mhos	-38.80	74.5mhos
7-8	-36.00	112.1mhos	-53.00	757.1mhos	-27.20	113.5mhos

Station 101.5E

1	-39.70		-63.60		-103.60	
1-2	-53.60	217.1mhos	-73.00	26.1mhos	-97.10	12.4mhos
2-3	-59.60	37.1mhos	-78.90	32.8mhos	-84.40	17.3mhos
3-4	-60.70	37.0mhos	-80.90	37.8mhos	-72.10	23.4mhos
4-5	-58.00	48.0mhos	-80.10	53.1mhos	-60.80	35.8mhos
5-6	-49.40	62.9mhos	-69.40	65.3mhos	-45.80	50.2mhos
6-7	-37.20	84.7mhos	-53.80	89.0mhos	-32.60	77.5mhos
7-8	-26.20	114.3mhos	-39.40	121.3mhos	-23.40	117.6mhos

Station 101.75E

1	-22.10		-70.10		-76.00	
1-2	-30.70	-761.1mhos	-76.70	20.7mhos	-71.10	12.4mhos
2-3	-35.80	47.5mhos	-79.40	27.8mhos	-62.70	17.9mhos
3-4	-38.30	44.1mhos	-79.60	35.1mhos	-54.60	24.4mhos
4-5	-38.40	55.2mhos	-77.60	50.8mhos	-47.10	37.6mhos
5-6	-33.60	66.7mhos	-66.90	64.6mhos	-36.00	51.4mhos
7	-26.10	89.3mhos	-51.50	87.9mhos	-26.20	80.2mhos
8	-19.60	126.3mhos	-37.80	121.8mhos	-19.30	122.5mhos

Station 102E

1	-13.10		-61.60		-53.70	
1-2	-20.60	-36.9mhos	-68.10	21.7mhos	-51.40	13.1mhos
2-3	-25.60	76.3mhos	-71.20	28.8mhos	-45.10	17.7mhos
3-4	-28.40	51.4mhos	-72.00	36.1mhos	-39.40	24.6mhos
4-5	-29.60	62.9mhos	-70.80	52.1mhos	-33.50	36.4mhos
5-6	-26.60	70.8mhos	-61.40	65.4mhos	-25.70	51.7mhos
6-7	-21.60	96.8mhos	-47.60	89.0mhos	-18.60	79.5mhos
7-8	-16.80	134.1mhos	-35.10	122.7mhos	-14.20	129.8mhos

Station 102.25E

1	-4.20		-57.40		-54.50	
1-2	-9.80	-9.2mhos	-64.10	22.7mhos	-53.50	14.1mhos
2-3	-14.40	-128.2mhos	-67.20	29.1mhos	-50.50	21.1mhos
3-4	-17.40	84.4mhos	-68.40	36.9mhos	-46.20	27.3mhos
4-5	-19.00	75.3mhos	-67.40	52.4mhos	-41.90	42.0mhos
5-6	-17.30	73.0mhos	-58.90	66.5mhos	-33.50	55.7mhos
6-7	-14.30	100.1mhos	-45.80	89.5mhos	-25.50	86.3mhos
7-8	-11.70	147.0mhos	-33.90	123.4mhos	-18.90	123.7mhos

Station 102.5E

1	2.50		-52.20		-41.10	
1-2	-1.70	0.0mhos	-60.90	28.6mhos	-40.40	14.2mhos
2-3	-6.00	-8.5mhos	-64.60	30.4mhos	-37.50	20.2mhos
3-4	-9.10	-119.3mhos	-66.80	38.9mhos	-34.40	27.5mhos
4-5	-11.10	142.8mhos	-65.00	50.5mhos	-30.80	40.8mhos
5-6	-10.70	84.6mhos	-57.70	68.8mhos	-24.90	56.8mhos
6-7	-9.40	113.6mhos	-45.60	92.1mhos	-19.60	91.4mhos
7-8	-8.30	172.1mhos	-34.70	129.1mhos	-15.60	139.7mhos

Station 102.8E

1	15.40		-52.30		-35.30	
1-2	11.70	8.1mhos	-60.20	26.5mhos	-35.90	15.8mhos
2-3	7.30	10.1mhos	-64.40	31.4mhos	-34.80	22.7mhos
3-4	3.70	11.2mhos	-66.50	38.7mhos	-32.90	29.7mhos
4-5	1.10	11.5mhos	-65.70	52.8mhos	-30.30	43.6mhos
5-6	-.50	0.0mhos	-57.70	67.2mhos	-25.00	59.1mhos
6-7	-2.10	-46.1mhos	-44.80	89.2mhos	-19.40	89.2mhos

7-8	-3.40	-482.2mhos	-33.00	122.5mhos	-14.90	131.2mhos
	Station 103E					
1	22.80		-45.80		-30.30	
1-2	20.80	11.6mhos	-52.90	27.0mhos	-31.60	17.2mhos
2-3	17.10	15.5mhos	-57.80	34.3mhos	-31.10	23.7mhos
3-4	13.70	20.7mhos	-60.00	39.4mhos	-29.90	31.1mhos
4-5	10.80	31.5mhos	-59.80	54.2mhos	-27.60	43.9mhos
5-6	7.70	46.0mhos	-52.80	68.0mhos	-23.30	61.8mhos
7	4.00	52.5mhos	-41.70	92.0mhos	-18.30	91.1mhos
8	1.00	45.0mhos	-30.60	121.7mhos	-14.10	131.9mhos
	Station 103.25E					
1	30.50		-35.60		-23.20	
1-2	29.50	13.5mhos	-42.40	32.6mhos	-23.20	14.9mhos
2-3	26.30	18.3mhos	-47.00	36.5mhos	-22.80	23.6mhos
3-4	23.10	24.9mhos	-49.70	42.2mhos	-21.60	29.9mhos
4-5	20.00	37.9mhos	-50.10	56.2mhos	-19.80	43.1mhos
5-6	15.60	53.2mhos	-45.00	70.7mhos	-16.70	61.7mhos
6-7	9.70	64.4mhos	-35.80	93.2mhos	-13.30	93.4mhos
7-8	5.20	81.3mhos	-26.80	125.7mhos	-10.50	137.6mhos
	Station 103.5E					
1	31.40		-28.90		-22.90	
1-2	30.90	14.2mhos	-35.00	36.8mhos	-23.50	16.2mhos
2-3	28.30	19.5mhos	-40.00	42.4mhos	-23.50	24.9mhos
3-4	25.10	25.4mhos	-43.00	44.9mhos	-22.80	31.9mhos
4-5	22.30	40.1mhos	-44.10	59.4mhos	-21.20	44.7mhos
5-6	17.40	53.3mhos	-40.00	72.4mhos	-18.50	66.3mhos
6-7	11.20	67.3mhos	-32.40	96.3mhos	-14.30	88.5mhos
7-8	6.00	81.3mhos	-24.50	127.8mhos	-11.50	142.3mhos

BEAV L102N DEEPEM file:BV102B **LOOP #2**

CH#	Z-comp	Sigma-T	X-comp	Sigma-T	Y-comp	Sigma-T
	Station 99.75E					
	-912.60		472.10		7.72	
1-2	-651.90	7.3mhos	285.50	5.8mhos	7.72	14.9mhos
2-3	-485.30	13.0mhos	173.30	9.8mhos	7.72	24.9mhos
3-4	-366.40	18.6mhos	117.20	15.7mhos	7.72	34.9mhos
4-5	-266.50	27.6mhos	85.70	27.8mhos	7.72	54.8mhos
5-6	-165.90	38.2mhos	59.50	44.2mhos	7.72	94.3mhos
6-7	-88.60	54.1mhos	36.30	62.9mhos	7.72	159.3mhos
7-8	-43.60	74.6mhos	19.40	81.0mhos	7.72	238.6mhos
	Station 100.25E					
1	28.50		1053.20		7.72	
1-2	-236.30	0.0mhos	798.20	8.0mhos	7.72	14.9mhos
2-3	-326.90	-3658.5mhos	550.10	11.5mhos	7.72	24.9mhos
3-4	-307.90	29.4mhos	381.70	16.3mhos	7.72	34.9mhos
4-5	-243.20	31.6mhos	258.30	24.8mhos	7.72	54.8mhos
5-6	-154.60	39.2mhos	155.90	36.7mhos	7.72	94.3mhos
6-7	-81.80	53.5mhos	83.40	54.2mhos	7.72	159.3mhos
7-8	-41.20	76.3mhos	40.70	74.0mhos	7.72	238.6mhos
	Station 100.5E					
1	338.80		505.80		7.72	
1-2	149.40	4.2mhos	533.80	17.9mhos	7.72	14.9mhos
2-3	-6.90	0.0mhos	469.90	17.8mhos	7.72	24.9mhos
3-4	-79.90	-5.3mhos	371.20	20.1mhos	7.72	34.9mhos
4-5	-96.10	128.2mhos	267.40	27.2mhos	7.72	54.8mhos
5-6	-75.50	53.9mhos	162.80	37.1mhos	7.72	94.3mhos
6-7	-45.90	62.6mhos	84.20	52.3mhos	7.72	159.3mhos
7-8	-25.90	86.0mhos	39.00	70.4mhos	7.72	238.6mhos
	Station 100.75E					
1	344.90		132.90		7.72	
1-2	292.10	9.9mhos	211.70	-33.6mhos	7.72	14.9mhos
2-3	185.60	10.3mhos	256.80	62.0mhos	7.72	24.9mhos
-4	90.20	10.8mhos	249.30	31.9mhos	7.72	34.9mhos
5	26.40	11.4mhos	205.70	34.3mhos	7.72	54.8mhos
5-6	-5.70	0.0mhos	136.00	41.3mhos	7.72	94.3mhos
6-7	-14.10	-88.0mhos	73.20	54.5mhos	7.72	159.3mhos
7-8	-13.10	194.2mhos	34.90	72.3mhos	7.72	238.6mhos
	Station 101E					
1	233.70		10.10		7.72	
1-2	235.10	15.2mhos	67.50	-3.1mhos	7.72	14.9mhos
2-3	189.50	14.9mhos	130.70	-23.7mhos	7.72	24.9mhos
3-4	125.60	15.3mhos	162.80	109.4mhos	7.72	34.9mhos
4-5	66.60	18.5mhos	157.10	49.3mhos	7.72	54.8mhos
5-6	22.90	21.9mhos	113.80	47.1mhos	7.72	94.3mhos
6-7	.60	13.0mhos	64.50	57.7mhos	7.72	159.3mhos
7-8	-6.60	0.0mhos	32.00	75.2mhos	7.72	238.6mhos
	Station 101.25E					
1	151.70		-30.00		7.72	
1-2	174.70	26.6mhos	.10	0.0mhos	7.72	14.9mhos
2-3	172.90	24.1mhos	48.10	-1.4mhos	7.72	24.9mhos
3-4	146.20	22.9mhos	87.30	-41.1mhos	7.72	34.9mhos
4-5	103.20	26.3mhos	102.40	108.5mhos	7.72	54.8mhos
5-6	53.00	30.7mhos	83.60	57.9mhos	7.72	94.3mhos
6-7	16.00	33.8mhos	51.50	63.6mhos	7.72	159.3mhos
7-8	.10	14.2mhos	27.10	79.7mhos	7.72	238.6mhos
	Station 101.5E					
1	92.20		-39.40		7.72	
1-2	114.80	46.7mhos	-29.90	8.0mhos	7.72	14.9mhos
2-3	126.80	35.9mhos	-4.60	3.7mhos	7.72	24.9mhos
3-4	121.20	30.6mhos	24.70	0.0mhos	7.72	34.9mhos
4-5	97.10	32.5mhos	45.70	-60.3mhos	7.72	54.8mhos
5-6	55.60	34.5mhos	47.50	107.1mhos	7.72	94.3mhos
6-7	19.10	36.9mhos	34.70	80.7mhos	7.72	159.3mhos
7-8	2.00	29.8mhos	21.00	93.3mhos	7.72	238.6mhos
	Station 101.75E					
1	53.40		-33.80		7.72	
1-2	70.40	104.7mhos	-34.00	15.2mhos	7.72	14.9mhos
2-3	85.20	60.9mhos	-24.00	11.9mhos	7.72	24.9mhos

Station 101.5E

1	92.20		-39.40		7.72	
1-2	114.80	46.7mhos	-29.90	8.0mhos	7.72	14.9mhos
2-3	126.80	35.9mhos	-4.60	3.7mhos	7.72	24.9mhos
3-4	121.20	30.6mhos	24.70	0.0mhos	7.72	34.9mhos
4-5	97.10	32.5mhos	45.70	-60.3mhos	7.72	54.8mhos
5-6	55.60	34.5mhos	47.50	107.1mhos	7.72	94.3mhos
6-7	19.10	36.9mhos	34.70	80.7mhos	7.72	159.3mhos
7-8	2.00	29.8mhos	21.00	93.3mhos	7.72	238.6mhos

Station 101.75E

1	53.40		-33.80		7.72	
1-2	70.40	104.7mhos	-34.00	15.2mhos	7.72	14.9mhos
2-3	85.20	60.9mhos	-24.00	11.9mhos	7.72	24.9mhos
3-4	91.20	44.2mhos	-7.60	7.6mhos	7.72	34.9mhos
4-5	82.50	41.8mhos	10.30	0.0mhos	7.72	54.8mhos
5-6	52.70	39.4mhos	21.50	-73.5mhos	7.72	94.3mhos
6-7	20.10	39.9mhos	21.90	168.9mhos	7.72	159.3mhos
7-8	3.20	35.6mhos	16.10	122.1mhos	7.72	238.6mhos

Station 102E

1	41.10		-26.50		7.72	
1-2	55.10	164.7mhos	-28.50	19.3mhos	7.72	14.9mhos
2-3	67.30	65.5mhos	-23.10	15.0mhos	7.72	24.9mhos
3-4	73.30	47.4mhos	-11.90	11.4mhos	7.72	34.9mhos
4-5	68.10	44.6mhos	2.20	0.0mhos	7.72	54.8mhos
5-6	44.90	41.1mhos	14.70	-19.3mhos	7.72	94.3mhos
6-7	17.00	39.7mhos	19.00	780.7mhos	7.72	159.3mhos
7-8	2.90	36.8mhos	15.00	137.6mhos	7.72	238.6mhos

Station 102.25E

1	29.70		-21.20		7.72	
1-2	39.80	162.4mhos	-24.80	29.1mhos	7.72	14.9mhos
2-3	48.70	66.5mhos	-22.90	19.9mhos	7.72	24.9mhos
3-4	53.60	49.6mhos	-15.90	16.4mhos	7.72	34.9mhos
4-5	51.30	48.2mhos	-4.40	11.0mhos	7.72	54.8mhos
5-6	34.90	43.0mhos	8.70	0.0mhos	7.72	94.3mhos
6-7	13.40	40.1mhos	16.10	-175.2mhos	7.72	159.3mhos
7-8	2.00	34.6mhos	14.10	169.0mhos	7.72	238.6mhos

125°48'

125°46'

60° 28'

60° 27'

CLAIM BOUNDARY

B E A V E R

R I V E R

Finely banded, thn bd, dk gry to buff wth, rust stn, gry silty SHLE

Highly fossiliferous, lt gry to brn wth platy to thn bd, silty blk SHLE

Highly siliceous, blk wth, dk grs to blk DOLO

Dk grs to blk wth, siliceous, black DOLO W irregular blk CHERT bands & lenses

Massive, blocky, fn to med grn, lt grs to wt QZIT

Lt gry wth, light grey QZIT

Thn bd, brn wth, silty SHALE

Rusty wth cherty bands in upper part of QC

Lt gry wth silty SHALE

54287 Highly rust stained, frac blk CHERT

HE rich zone (3m wide) w very minor SP ON

Platy to thn bd, Lt grs wth, silty SHALE

Lt brn wth, mottled brn & grs QZIT

Stub off SHALE fragg

Lt grs wth, lt grs DOLO

QZIT

Talus

Sucrosic, lt grs wth grs DOLO W abundant blk CHERT bds, lenses, & sinuous bands

Silty SHALE fragg & chips

Lt to dk grs wth massive, lt grs QZIT

Thn to med. bd, finely lam, lt to dk grs wth grs SLST & thn to platy blk SHLE partings.

Blk chert bands (6cm wide) in thn bd SLST SHLE partings w thin or absent, SLST bds contain higher Fe content, concretionary, rust stnd. 566

Rust red grey at base of cliffs

Thn to med. bd, buff wth, v hard, dk grs SLST, W scattered, small blk nodules, separated by thn, friable, carbonaceous blk SHLE partings.

Scattered small SLST nodules

Cyclic sed. seq - Lt grs wth, hard, dk grs SLST and friable, carbonaceous blk SHLE beds 3-6cm wide

Jointed, rust stnd, lt grs to blk wth, finely banded, thn bd, dk grs SLST & v. thin bd to platy, friable, blk SHLE

Carbonate Talus detritic

Mainly thn bd, buff & lt to dk brn wth, cliff forming LMST & DOLO

Lt grs, tan, buff wth, blocky LMST

Carbonate talus debris

Lt. grs to wt QZIT

540 38

Grey to brown wth QZIT

CLIFF forming thn bd, buff to brn wth LMST & DOLO

LEGEND

11	Black Shale
10	Interbedded Limestone and Shale
9	Hard argillaceous black Shale
8	Siliceous Dolostone (Porcellenite)
7	Interbedded Mudstone, Shale and Chert
6	Grey weathering Dolostone
5	Light brown Siltstone
4	Platy Shale
3	Quartzite
2	Grey weathering Dolostone
1	Grey massive Limestone

Geologic contact

Fault

Outcrop outline

Sub-outcrop outline

Anticline

Bedding (inclined, vertical, horizontal)

Joints (inclined, vertical)

Foliation (inclined, vertical)

Plunge (inclination: unknown, known)

Fossil locality

TOPOGRAPHICAL SYMBOLS

Contours (V.I. = 25 m)

Depression contour

River or creek

Sand

Lake

Swamp or marsh

Helicopter landing

SHEET INDEX

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by Ram N. Gopal (April, 1983)

N

SCALE 1:5000

METRES 100 50 0 100 200 300 400 METRES

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

BEAV CLAIMS

GEOLOGY 091486

NTS Ref. :	95 C/5, 12
Work by :	PHILIP D. BURT
Drawn by :	Ram N. Gopal
Date :	Sept. 1983

REVISIONS

Work by :	
Drawn by :	
Date :	

SHEET 1

MAP – 1

LEGEND

11	Black Shale
10	Interbedded Limestone and Shale
9	Hard argillaceous black Shale
8	Siliceous Dolostone (Porcellenite)
7	Interbedded Mudstone, Shale and Chert
6	Grey weathering Dolostone
5	Light brown Siltstone
4	Platy Shale
3	Quartzite
2	Grey weathering Dolostone
1	Grey massive Limestone

Geologic contact
Fault
Outcrop outline
Sub-outcrop outline
Anticline

Bedding (inclined, vertical, horizontal)
Joints (inclined, vertical)
Foliation (inclined, vertical)
Plunge (inclination unknown, known)
Fossil locality

TOPOGRAPHICAL SYMBOLS

1200 Contours in metres
River or creek
Lake
Helicopter landing
Swamp

SHEET INDEX

3 4
2 1

Contour interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by T. Drews & R.N. Gopal (May, 1983)

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEAV CLAIMS

GEOLOGY 091486

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : Philip D. Burt	Work by :
Drawn by : Ram N Gopal	Drawn by :
Date : Sept. 1983	Date :
SHEET 2	MAP — 2

CLAIM BOUNDARY

BASE LINE 100 E

Sub blk pale grey with blk SHLE

broken grey with blk SHLE

Sub blk rubble

Lt grey & tan with highly fissile blk SHLE

Lt grey with, thin bd, slightly silty blk SHLE

Sequence grades down section to silty SHLE, thn bd argillaceous LMST

Massive blocky, dk grey with highly siliceous argillite

Dk grey with, dk grey DOLO

Mainly fg, thk bd, highly fract'd

V hard, well indurated dk grey to blk DOLO w/wht Ca-O on fracture and fr surfaces

Sucrosic, v hard, med to thk bd, dk grey DOLO

Thk bd, turbiditic to cse stn, dk grey to blk DOLO

Lt brn with, mottled, thn bd, ft carbonaceous blk SHLE

V hard folded, fract'd rusty with, thn to med. bed, carbonaceous blk SHLE

Rusty with, ft deformed, thn bd, ft carbonaceous blk SHLE

Thn bd rusty with, ft carbonaceous, blk SHLE

SLUMPED BANK - blk SHLE debris

Rusty with, thn bd, blk SHLE May be slightly graphitic

Rusty with, thn bd, fg, silic blk SHLE Prominent fault zone marked by rusty yellow, graphitic, fault gouge

Grey with, fg grnd, massive grey LMST.

Thn bd blk SHLE

Thn bd, slightly carbonaceous, brn to rusty brn with, fract'd blk SHLE

Lt brn with, well bedded thn bd, fract ft/comp, blk SHLE

Grey wth, dk grey LMST

Rusty with, fg silic, blk argillite, generally thk bd to massive

V hard, massive, highly silic/rust stained argillite

Rusty to tan with fissile & finely banded blk & brn mdst

V blk carb SHLE w/ blk CHRT chips no qtz

Intbd buff wth, thk bd, dk grey LMST and finely banded, thin bd, dk brn SLST

Thk bd, buff with dk grey LMST in the intbd w fg dk brn/tan SLST w vy fn color banding

Med to thk bd mottled brn with, well indurated SLST w ft fn color banding

Buff to rusty brn with, med. to thk bd Hard SLST w vy fn color banding, cross bedding & graded bedding

LEGEND

- 11 Black Shale
- 10 Interbedded Limestone and Shale
- 9 Hard argillaceous black Shale
- 8 Siliceous Dolostone (Porcellenite)
- 7 Interbedded Mudstone, Shale and Chert
- 6 Grey weathering Dolostone
- 5 Light brown Siltstone
- 4 Platy Shale
- 3 Quartzite
- 2 Grey weathering Dolostone
- 1 Grey massive Limestone

Geologic contact

Fault

Outcrop outline

Sub-outcrop outline

Anticline

Bedding (inclined, vertical, horizontal)

Joints (inclined, vertical)

Foliation (inclined, vertical)

Plunge (inclination : unknown, known)

Fossil locality

TOPOGRAPHICAL SYMBOLS

900 Contours in metres

River or creek

Lake

Helicopter landing

SHEET INDEX

3 4 2 1

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by R.N. Gopal & T. Drews (April, 1983)

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEAV CLAIMS

GEOLOGY 091486

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P.Burt	Work by :
Drawn by : R.N.Gopal	Drawn by :
Date : Aug 1983	Date :
SHEET 3	MAP – 3

125°48'
129°46'
60° 31'
60° 30'
60° 29'
CLAIM BOUNDARY
BASE LINE 100N
Lt gry with blk SHLE rubble
Lt gry with broken blk SHLE
Tan to lt gry with fissile SHLE
Fine grained massive, blocky LIMESTONE with abundant CALCITE veins
Slump bank of LMST. matl
Manly thk bd LMST. w rusty wth blk SHLE partings
Thk bd, manly buff to lt brn with fg dk gry LMST.
Slump bank w sub. o/c of rusty brn wth, v hard, dk gry LMST.
Broken, gry wth dk gry to blk LMST.
V fg lt gry wth, dk gry LMST.
Chippy blk SHLE talus
Thn bd to chippy, carbonaceous. Highly fractured blk SHLE.
Angular unconformity - rust wth LMST. above. thn bd, highly frac., carbonaceous blk SHLE
Lt gry to buff wth, blk, ARGL LMST.
Bank slump LMST matl
Lt gry wth, thn to med bd, fg blk, ARGL LMST.
Thn bd, lt gry wth, blk, fn grnd ARGL LMST.
Lt gry wth, thn to med bd ARGL LMST.
Thn to med bd, lt gry to buff wth, blk, argill. LMST w minor concretions
Gry wth LMST. fgld debris
Bank Slump - LMST matl
Lt gry wth, dk gry LMST w minor calcite veining
Lt gry wth LMST.
Lt brn wth, highly frac. Dk gry LMST.
1200
1100
1000
900
800
1186
1134
1086
1057
1037
1038
1034
1014
1024
988
1006
1027
862
736
730
719
1032
1012
1009
1006
1011
1005
987
970
991
982
981
965
818
807
808
794
785
779
762
760
758
770
843
939
946.68
955
938
915
935
951
958
986
992
988
981
993
985
959
948
956
960
1004
1072
1085
1170
1112
962
995
1010
1060
934
967
951
808
794
1000
900
800
1100
1000
900
800
1000
900
800
1100
1000
900
800
1000
900
800
1000
900
800

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA 091486

BEAV CLAIMS

GEOCHEMISTRY LEAD & ZINC (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 1	MAP – 5

3 / 35 — Pb (ppm) / Zn (ppm)

Threshold — Lead – 175 ppm; Zinc – 1450 ppm

175 — Lead Anomalous Area

1450 — Zinc Anomalous Area

700 — Contours (V.I. = 25 m)

Depression contour

River or creek

Sand

Lake

Swamp or marsh

SHEET INDEX

3 | 4
2 | 1

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1967
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by Ram N. Gopal (April, 1983)

N

125°46'

125°48'

60° 28'

60° 27'

B E A V E R R I V E R

146+00N
144+00N
142+80N
140+00N
138+00N
136+00N
134+00N
132+00N
130+00N
128+00N
126+00N
124+00N
122+00N
120+00N
118+00N
116+00N
114+00N
112+00N
110+00N
108+00N
106+00N
104+00N
102+00N

125°54'
125°52'
125°50'
60° 28'
60° 27'
WEST ANOMALY II
BASE LINE 100E
SOUTH ANOMALY II
BEAVER
RIVER
Falls
Falls
644.60
700.43
778
1000
900
800
700
600
500
400
300
200
100
0
100N
92+00N
94+00N
96+00N
98+00N
100+00N
102+00N
104+00N
106+00N
108+00N
110+00N
112+00N
114+00N
116N
14N
12N
10N
8N
6N
4N
2N
0
2S
4S
6S
8S
10S
12S
14S
16S
18S
20S
22S
24S
26S
28S
30S
32S
34S
36S
38S
40S
42S
44S
46S
48S
50S
52S
54S
56S
58S
60S
62

16 / 105 — Pb (ppm) / Zn (ppm)

Threshold — Lead – 175 ppm; Zinc – 1450 ppm

175 — Lead Anomalous Area

1450 — Zinc Anomalous Area

SHEET INDEX

3 | 4
2 | 1

N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by T. Drews & R.N. Gopal (May, 1983)

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

091486

BEAV CLAIMS

GEOCHEMISTRY — LEAD & ZINC (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C / 5, 12	REVISIONS
Work by : P. Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 2	MAP — 6

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA 091486

BEAV CLAIMS

GEOCHEMISTRY — LEAD & ZINC (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P.Burt	Work by :
Drawn by :	Drawn by :
Date : Sept 1983	Date :
SHEET 3	MAP — 7

17 / 122 — Pb (ppm) / Zn (ppm)

Threshold — Lead — 175 ppm; Zinc — 1450 ppm

175 — Lead Anomalous Area

1450 — Zinc Anomalous Area

SHEET INDEX

3 | 4
2 | 1

N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by R.N.Gignac & T.Drews (April, 1983)

"NORTH ANOMALY"

"BASE LINE"

125°48'
125°46'
60° 31'
60° 30'
60° 29'
164+00N
162+00N
160+00N
158+00N
156+00N
154+00N
152+00N
150+00N
148+00N
56+00N
54+00N
52+00N
50+00N
100+00E
BASE LINE 100E
1450

Pb (ppm)
Zn (ppm)

Threshold — Lead – 175 ppm
Zinc – 1450 ppm

Lead Anomalous Area

Zinc Anomalous Area

SHEET INDEX

3 | 4
2 | 1

N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by Ram N. Gopal (27th April, 1983)

UTAH MINES LTD. 091486
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEAV CLAIMS

GEOCHEMISTRY — LEAD & ZINC (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P. Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 4	MAP – 8

Sample location on grid line

1.2 Ag (ppm)

Threshold Silver — 1.8 ppm

1.8 Silver Anomalous Area

Contours (V.I. = 25 m)

Depression contour

River or creek

Sand

Lake

Swamp or marsh

SHEET INDEX

3 | 4
2 | 1

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by Ram N. Gopal (April, 1983)

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BEAV CLAIMS

GEOCHEMISTRY — SILVER (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P. Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 1	MAP — 9

WEST ANOMALY

EAST ANOMALY

SOUTH ANOMALY

BEAVER RIVER

BASE LINE 100E

CLAIM BOUNDARY

Falls

Falls

648.60

700.43

Sample location on grid line

13 Ag (ppm)

Threshold Silver — 18 ppm

18 Silver Anomalous Area

SHEET INDEX

3 4

2 1

N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by T. Drews & R.N. Gopal (May, 1983)

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

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BEAV CLAIMS

GEOCHEMISTRY — SILVER (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C / 5, 12	REVISIONS
Work by : P. Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 2	MAP — 10

125°54'
125°52'
125°50'
60° 31'
60° 30'
60° 29'
0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000

125°48'

129°46'

60° 31'

60° 30'

60° 29'

164+00N

162+00N

160+00N

158+00N

156+00N

154+00N

152+00N

150+00N

50+00N

100+00E

CLAIM BOUNDARY

BASE LINE 100E

Sample location on grid line

1.3 Ag (ppm)

Threshold Silver—1.8 ppm

18 Silver Anomalous Area

SHEET INDEX

3	4
2	1

N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by Ram N. Gopal (27th April, 1983)

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEAV CLAIMS 09186

GEOCHEMISTRY— SILVER (ppm)

SCALE 1:5000
METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : P. Burt	Work by :
Drawn by :	Drawn by :
Date : Sept. 1983	Date :
SHEET 4	MAP—12

LOOP #1

LOOP #2

CONDUCTOR AXIS

BEAVER RIVER

Falls

Falls

700.43

125°54'

125°52'

125°50'

60° 28'

60° 27'

SHEET INDEX



N

Contour Interval : 25 metres
Datum : Geological Survey of Canada
Date of Photography : 1961
Pacific Survey Corp. manuscript No. 83-15

Base Map drawn by T. Drews & R.N. Gopal (May, 1983)

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

091486
091483

BEAV CLAIMS

DEEPEM LOOP AND ANOMALY LOCATION MAP

SCALE 1:5000

METRES 100 50 0 100 200 300 400 METRES

NTS Ref. : 95 C/5, 12	REVISIONS
Work by : KEW	Work by :
Drawn by : KEW	Drawn by :
Date : 7/9/83	Date :
SHEET 2	MAP — 13