

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**10,810**

GEOLOGICAL AND GEOCHEMICAL REPORT

ON

SCAT 1 - 20 CLAIMS

59°50' NORTH - 125°25' WEST

LIARD MINING DIVISION

NTS 94 N/14

Owned and Operated By:  
Utah Mines Ltd.  
1600 - 1050 West Pender Street  
Vancouver, B.C.

Written By:  
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November 26, 1982

TABLE OF CONTENTS

	<u>PAGE NO.</u>
1. INTRODUCTION	
1.1 Location and Access.....	1
1.2 History and Economic Assessment.....	1
1.3 Summary of Work.....	3
2. GEOLOGY	
2.1 Regional Geology.....	5
2.2 Local Geology.....	5
3. GEOCHEMISTRY	
3.1 Soil Sampling.....	14
3.2 Silt Sampling.....	17
3.3 Rock Sampling.....	19
4. CONCLUSIONS AND RECOMMENDATIONS.....	22
5. COST ANALYSIS.....	23
6. STATEMENT OF QUALIFICATIONS.....	25

## FIGURES

	<u>PAGE NO.</u>
1.1 Claim Location.....	2
1.2 Claim Configuration.....	4
2.1 Regional Geology.....	6
2.2 Mattson Formation Profile.....	8
2.3 Besa River Formation Profile.....	9
2.4 Large Concretion Cross Section.....	10

## PLATES

2.1 Large Concretion.....	10
2.2 Barite Nodules.....	11

## TABLES

1.1 Scat Claim Numbers.....	3
1.2 Geochemical Samples.....	3
3.1 Soil Sample Statistics.....	15
3.2 Silt Sample 1982 Statistics.....	18
3.3 Silt Sample 1981 Statistics.....	18
3.4 Vertical Profile Rock Chip (South).....	19
3.5 Vertical Profile Rock Chip Results (Middle).....	20
3.6 Vertical Profile Rock Chip Results (North).....	20

## APPENDIX

APPENDIX I	Chemex Sample Results
APPENDIX II	Statistical Worksheets

MAPS

PAGE NO.

1.	Geology North.....	Back Pocket
2.	Geology South.....	"
3.	Silver Soil North.....	"
4.	Silver Soil South.....	"
5.	Lead Soil North.....	"
6.	Lead Soil South.....	"
7.	Zinc Soil North.....	"
8.	Zinc Soil South.....	"
9.	Barium Soil North.....	"
10.	Barium Soil South.....	"
11.	Silt Samples North.....	"
12.	Silt Samples South.....	"



## 1. INTRODUCTION

### 1.1 Location & Access

The Scat claim group (NTS 94 N/14W) covers a topographic high known as the Cariboo Plateau. This area is centered at 58°50'N latitude and 125°25' longitude. The nearest populated centers are Fort Nelson, 190 km to the SE and Watson Lake, 184 km to the NW. The location of the claims can be seen as Figure 1.1.

Access to the property is by helicopter although a winter seismic road follows Viser Creek, 4 km to the southwest.

A 9-man tent camp was set up near the Smith River Airstrip as road access for fuel and supplies was required. The camp was situated approximately 58 km west of the property.

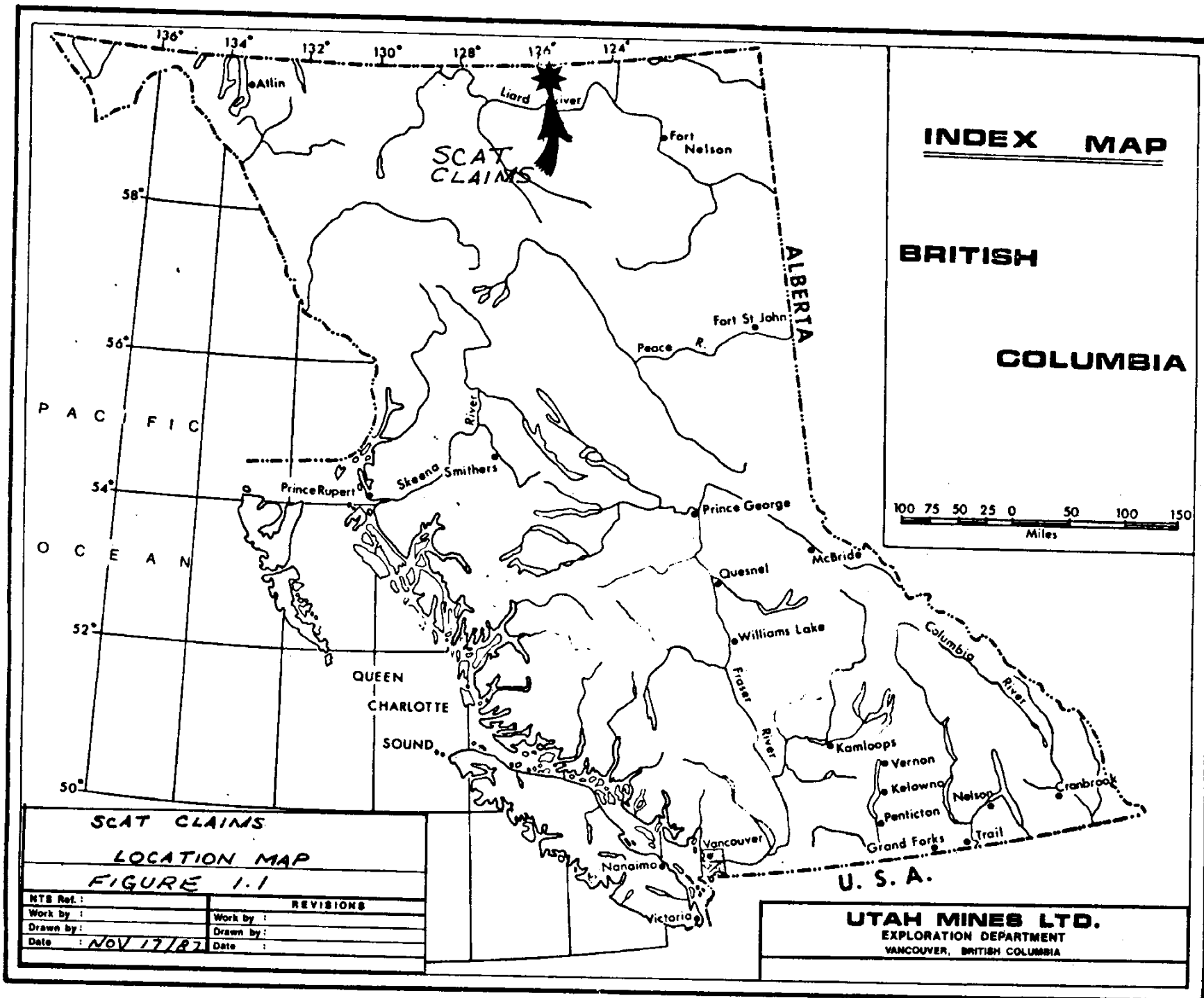
For the most part the claims over an open, moss covered plateau at 1220m to 1524m elevation. The edges of the claim group lie in 1060m valleys on either side. Vegetation in the low areas is scrub to 4m tall pine with interspaced tall buckbrush. Outcrop is generally confined to east and west flowing creeks and is estimated at 30% of the total area.

### 1.2 History & Economic Assessment

This area was originally staked in 1972 by Pan Ocean Oil Ltd., Frontier Resources and Bow Valley Exploration to cover barite and fluorite showings in the Dunedin Limestone formation to the west of and underlying the Besa River Formation (assessment report 4205). Subsequent to mapping and sampling the Dan Claims in the latter part of August, 1972 no further work was carried out by these companies and the claims were allowed to lapse.

The ground was staked by Utah Mines in late October, 1981 to cover anomalous stream sediment samples obtained during the 1980 and 1981 regional reconnaissance program. The sediments, anomalous in lead, zinc and silver, were seen to originate from the Besa River black shales. The Scat Claims are 100% owned and operated by Utah Mines Ltd.

The 1982 June program on the claims consisted of a soil sampling survey on a 500m x 100m grid, rock chip sampling and stream sediment sampling. Geological mapping at a 1:10,000 scale was completed by July, 1982.



**INDEX MAP**

**BRITISH COLUMBIA**



**SCAT CLAIMS  
LOCATION MAP  
FIGURE 1-1**

NTS Ref. :		REVISIONS	
Work by :		Work by :	
Drawn by :		Drawn by :	
Date :	NOV 17/87	Date :	

**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

The Scat 1-20 claims consist of 400 units covering an area 5km east-west and 20km north-south. With a claim configuration as in Figure 1.2. Table 1.1 is a listing of the claims with tag and record numbers.

Table 1.1

SCAT CLAIM NUMBERS

Claim	Tag No.	Record No.
SCAT 1-2	25589 - 25590	2228 - 2229
SCAT 3	25594	2230
SCAT 4-6	32734 - 32736	2231 - 2233
SCAT 7-11	73031 - 73035	2234 - 2238
SCAT 12-20	80038 - 80046	2239 - 2247

To date the economic potential of the property is unknown. The source of high geochemical values found in both silt and soil samples is attributed to galena, sphalerite and calcite fracture filling of large chert concretions found within the shale formation. Future work on the claim group will be to assess the potential for a blind sulphide deposit.

1.3 Summary of Work

- Geochemical Survey

The number of samples taken for geochemical studies are tabulated as follows.

Table 1.2

GEOCHEMICAL SAMPLES

Medium	Number of Samples
Soil	2020
Silt	207
Rock	75

- Geological Mapping

Approximately 10,000 hectares were mapped at a scale of 1:10,000 using compass and altimeter for control.

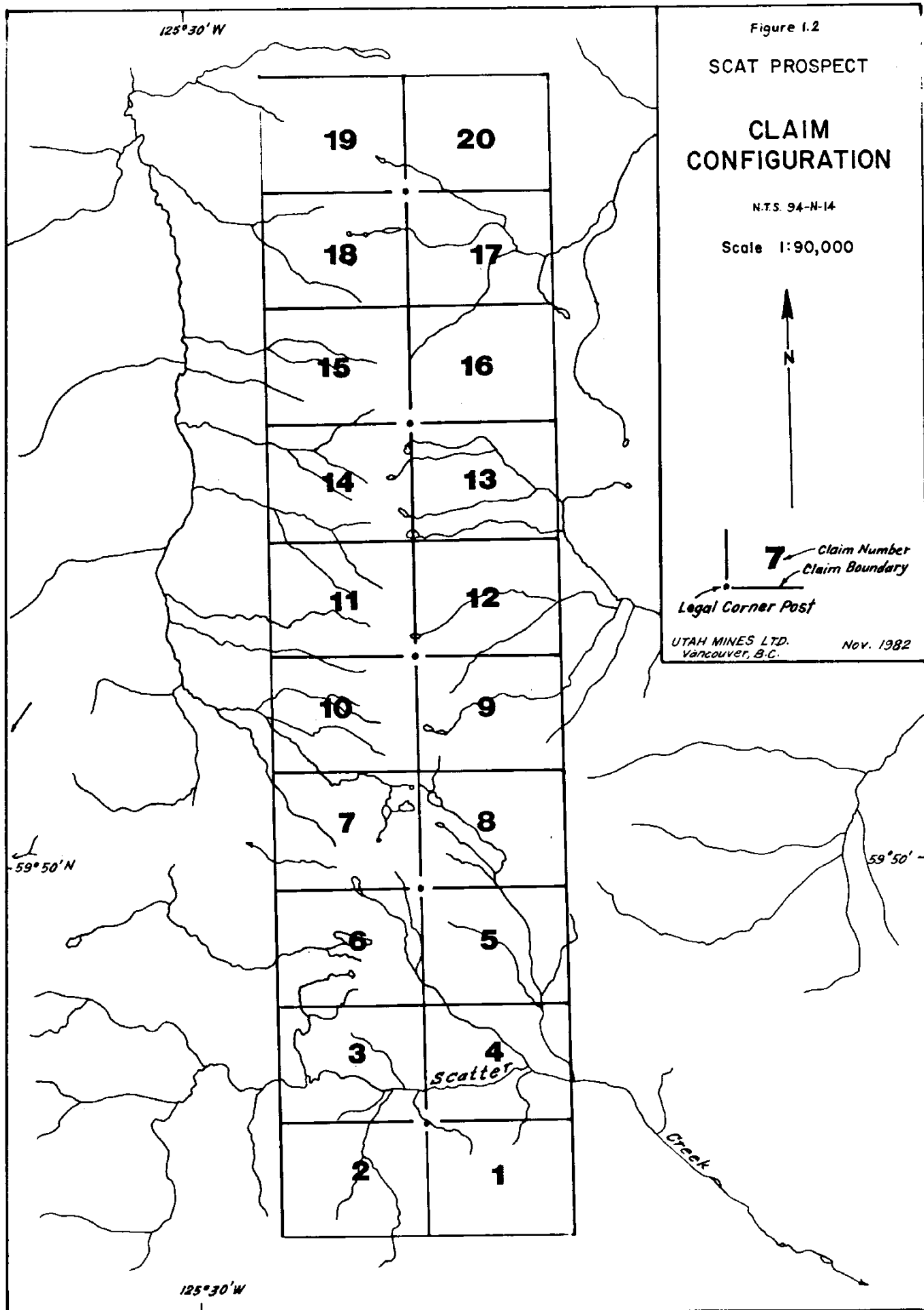


Figure 1.2

SCAT PROSPECT

### CLAIM CONFIGURATION

N.T.S. 94-N-14

Scale 1:90,000



**7** Claim Number  
Claim Boundary  
Legal Corner Post

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Nov. 1982

- Grid Establishment

225 line kilometres of grid were established using compass and hip chain. Stations were marked every 100m along each grid line using 1m wooden pickets.

- Topographic Survey

Base maps for the property were made from airphotographs at a 1:10,000 scale and cover all claims.

## 2. GEOLOGY

The entire claim area was mapped at a 1:10,000 scale the results of which, can be found as map numbers 1 and 2. The main purpose of the mapping was to accurately locate the Besa River Formation, to obtain a workable cross-section and to define any thickening of the black shale unit.

### 2.1 Regional Geology

The Scat claims lie close to the edge of the Selwyn Basin. Regionally, the rock units are a series of limestones and grits which represent transgressive and regressive seas. The entire region has been folded extensively with the fold axis striking roughly north-south. Some very large north-east striking linements can be seen on satellite photographs and probably represent large scale faulting. See Figure 2.1 for a schematic diagram of the surrounding geology.

### 2.2 Local Geology

The property geology, according to the GSC geology map 94 N, is made up of three formations; the Mattson Formation, a lower Carboniferous fine and medium grained quartzose sandstone and shale; the Besa River Formation, a Devonian and Carboniferous dark grey pyritic, siliceous shale; and the Dunedin Formation, a Devonian, medium grey, well bedded fine grained limestone. The geology generally strikes north and dips easterly at 10° to 15° throughout whole property length. Each unit will be discussed individually and more detailed descriptions given below.

Figure 2.1

SCAT PROSPECT

REGIONAL GEOLOGY

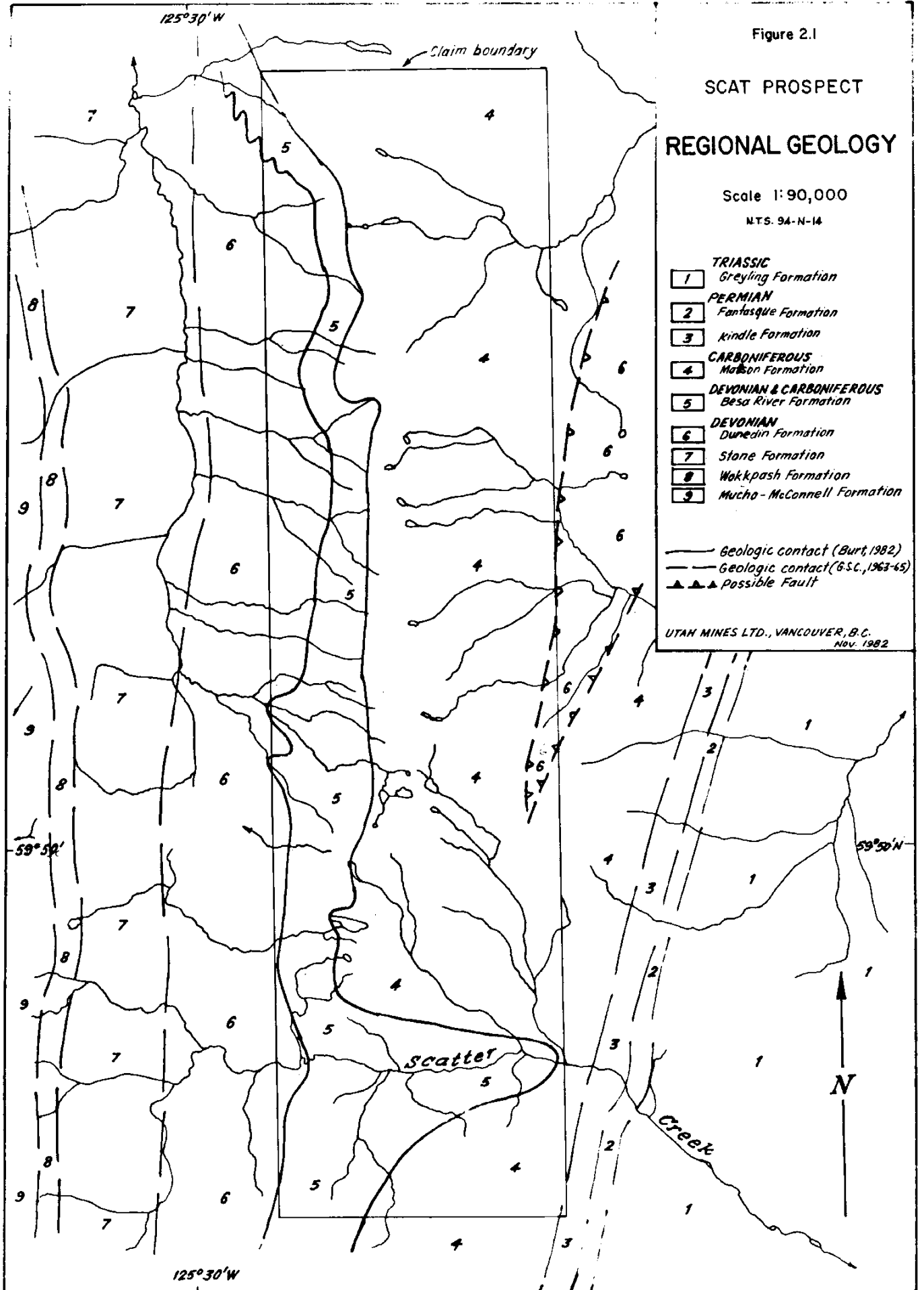
Scale 1:90,000

NTS. 94-N-14

- 1 TRIASSIC  
Greyling Formation
- 2 PERMIAN  
Fantasque Formation
- 3 Permian  
Kinde Formation
- 4 CARBONIFEROUS  
Molson Formation
- 5 DEVONIAN & CARBONIFEROUS  
Besa River Formation
- 6 DEVONIAN  
Dunedin Formation
- 7 Devonian  
Stone Formation
- 8 Devonian  
Wakkpash Formation
- 9 Devonian  
Mucho-McConnell Formation

- Geologic contact (Burt, 1982)
- Geologic contact (G.S.C., 1963-65)
- ▲▲▲ Possible Fault

UTAH MINES LTD., VANCOUVER, B.C.  
Nov. 1982



### Mattson Formation

This unit is considered to be lower Carboniferous in age and is made up of interbedded shale and siltstone to quartzose sandstone with irregularly spaced beds of sandy limestone.

The above section is best seen at the east edge of the property along Scatter Creek. The Mattson Formation appears to have been formed from a mud flat or a near shore and shallow basin with variable rates of sediment influx. The presence of several interbeds of sandy limestone may indicate an offshore reef. This is shown, in part by the presence of patch reefs observed in the northern part of the property.

The quartzite unit is the ridge-forming unit which is readily observable throughout most of the property. It is also noted that at the base of this quartzite there is variable amounts of massive pyrite up to 25cm which probably gives rise to the several limonite seeps seen at various localities (see map number 1 or 2)

### Besa River Formation

Many excellent sections of the Besa River shale unit can be found west of the north-south base line on Scat Claims 7, 10 and 11. The shale or possible ore host is generally a black, carbonaceous highly fissile and partly siliceous rock that contains various types of nodules and concretions. Several distinctive sub-units can be identified throughout the study area.

Figure 2.3 shows a schematic of the Besa River shale.

Except for the bottom subunit the other features within the Besa River Formation are fairly consistent with respect to morphology, thickness and location in section. The bottom of the shale unit appears to lie unconformably on the lower Dunedin Limestone which may represent an erosion surface. Because of the recessive nature of the shale, nowhere on the property is this contact visible .

Wolfe, 1973, suggests that a grey shale containing bitumen indicates a deep water marine sequence. A likely history of deposition for the Besa River Formation is an extremely quick submergence probably by transgression as indicated by the lower sequences of light coloured shale followed by a slow and irregular shallowing of the sea with the formation of nodules. Later tidal flats are represented by the several irregular cherty mudstones near the top of the shale unit. Further emergence with brackish water in swampy conditions may have resulted in a fairly uniform black shale

Figure 2.2

# MATTSON FORMATION PROFILE

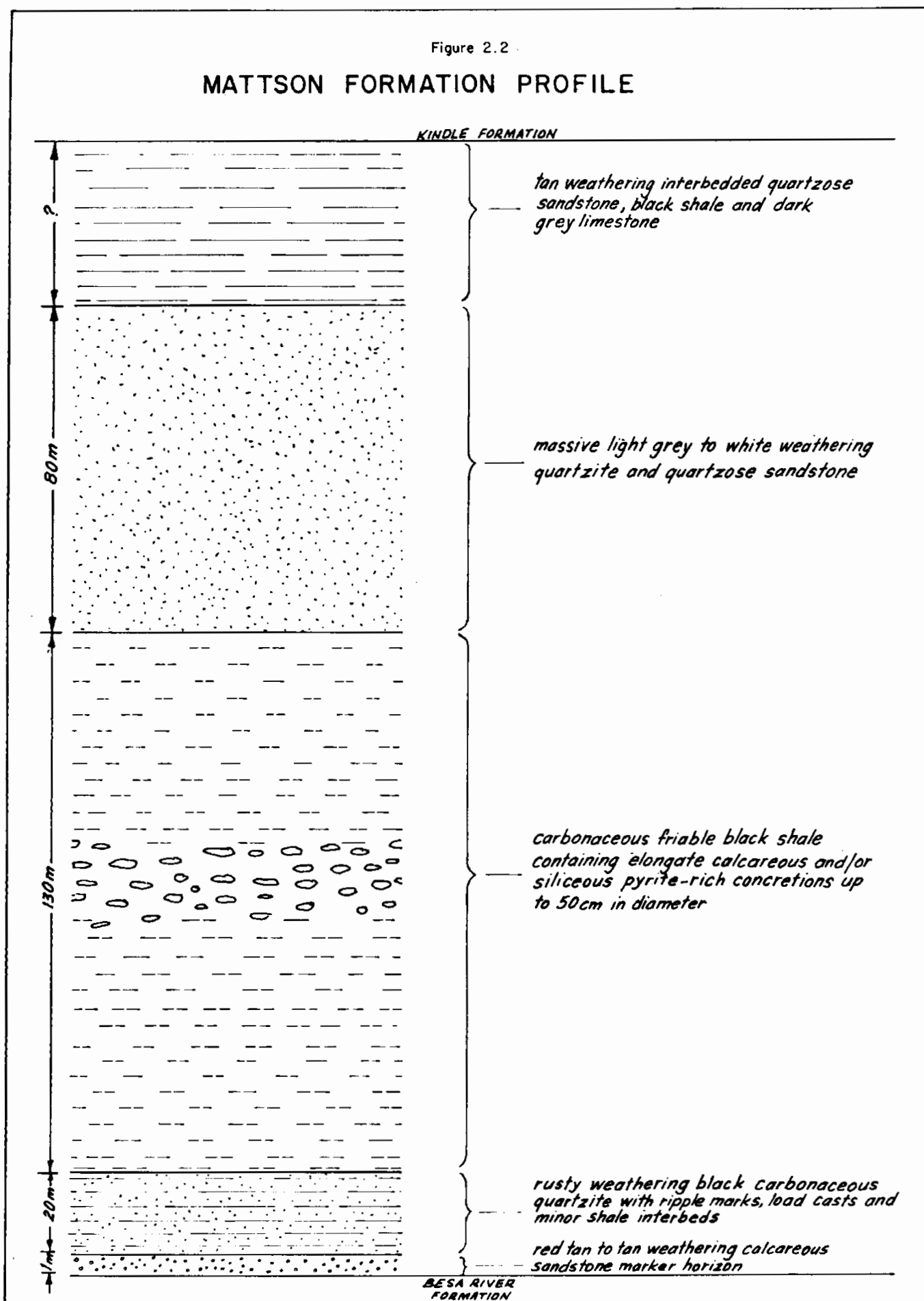




Figure 2.3

# BESA RIVER FORMATION PROFILE

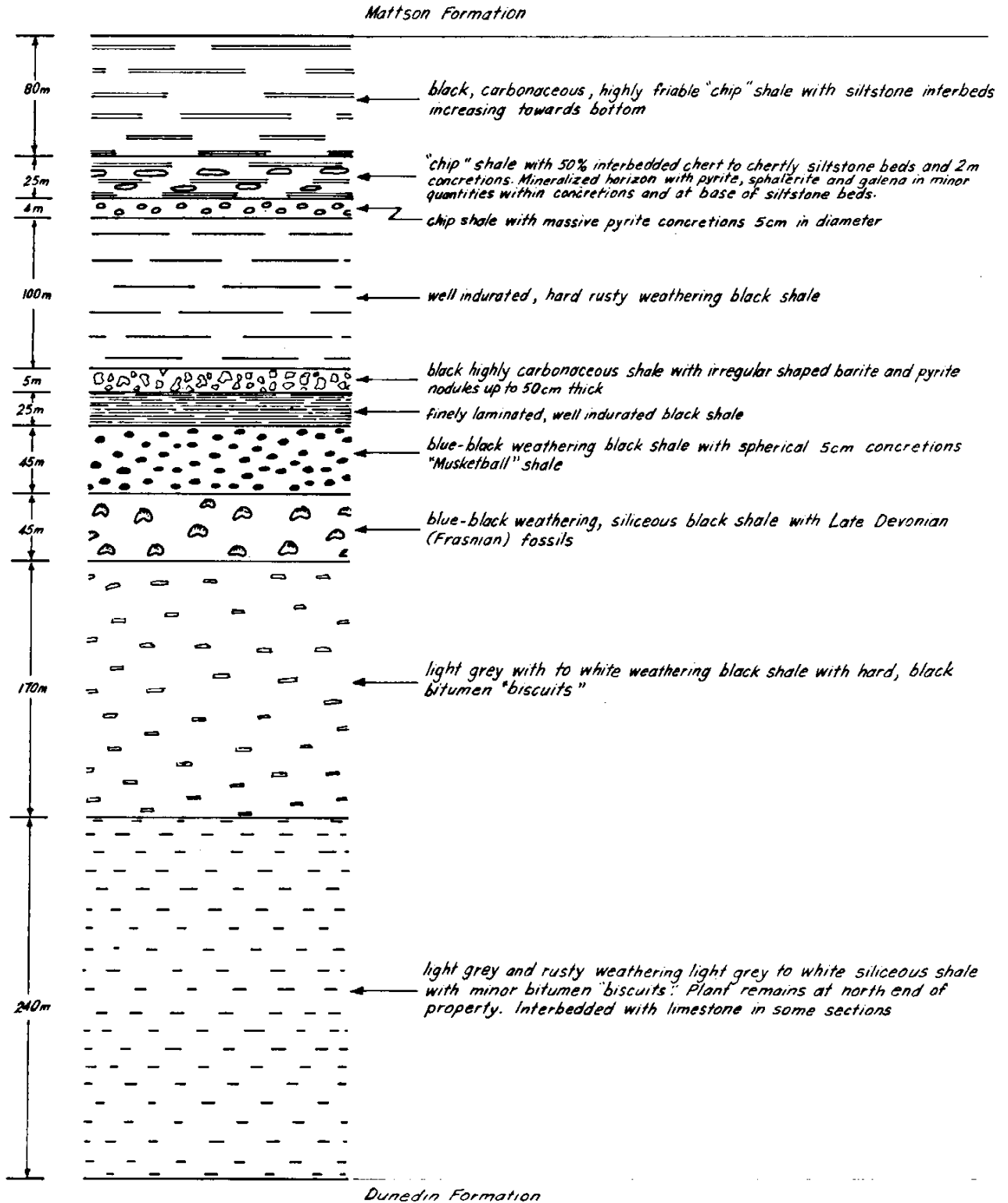




Plate 2.1 Mineralized Concretion

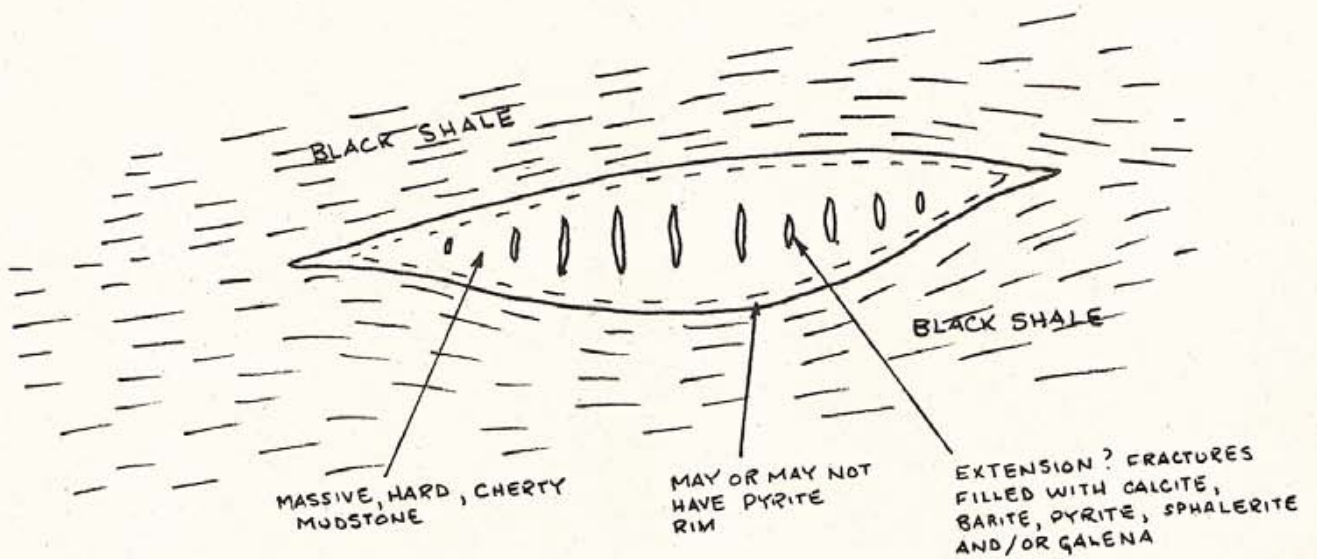


Figure 2.4 Cross Section of Large Concretion



Plate 2.2 Barite Nodules

found at the top of the sequence. Further elevation of the surrounding topography gave rise to a higher velocity sedimentation and the formation of the quartzose sandstones of the Mattson Formation.

Mineralization within the cherty mudstones was described in Figure 2.3 as minor galena and sphalerite within vertical fractures accompanied by calcite and minor quartz. This open space filling is a diagenetic feature that probably occurred from migration of pore fluids within the mudstone either during compaction or later during folding and metamorphism.

One of the most interesting features on the claim group is the nodular barite seen within the Besa River shales. These nodules are very irregular in shape but are nowhere larger than 40cm in diameter. The barite is bladed, with crystal faces up to 5cm in length. The large crystals are suggestive of slow crystallization but the time of formation is in doubt. As the nodules are resting in a highly graphitic bed they may have precipitated on the sediment - water interface within a stagnant swamp but it is entirely possible that the nodules are a diagenetic feature and formed within the soft bed much later than the sedimentation.

The most likely subunit for hosting lead and zinc sulphides is the tan weathering white shale at the bottom of the shale package. These rocks are siliceous in part and in places weather to a silver-grey colour similar to the silver weathering shales found at the Cirque deposit.

#### Dunedin Formation

Little or no work was done within this rock unit because of the lack of time. It was this formation that Pan Ocean staked in 1972.

In general, the Dunedin Formation is fossiliferous, light grey weathering, grey limestone with variable amounts of black chert patches possibly resulting from small algal mats. This unit has been well described by Taylor and Mackenzie, 1970, Morrow, 1978 and Gjelsteen, 1973.

Mineralization within the Dunedin limestone consists of small karst deposits of calcite and barite with minor amounts of galena and sphalerite. The mineralization is similar in age and stratigraphic position to the various fluorite and barite occurrences to the south and north.

### Structure

Structurally, the rocks underlying the claim group are fairly uniform with attitudes of approximately 000/25E. Local crumpling of the shale package does occur and can be best observed along Scatter Creek. This deformation style has probably been formed by a thrust fault along the eastern edge of the claim group which has forced the Dunedin limestone to the surface at grid line 40N. Because of poor exposure east of the baseline, it is difficult to assess the extent of any major structures which may be present.

Faulting of the rocks in this area is limited to minor cross faults which have a trend of approximately 040°. Faults which are parallel to the strata have attitudes which are difficult to assess because of the highly friable nature of the shale.

The source of the high values for lead and zinc in stream sediments was traced to the hard, chert-like sub-unit within the Besa River Shale. This mineralization is a long ways from being ore grade and is only interesting in an academic point of view. The possibility of a buried massive sulphide body is always present but as will be seen from the next section on geochemistry, there appears to be no surface expression either geologically or geochemically. The small breccia zones seen in some parts of the property appear to be quite young and probably represent recent springs or seeps. No substantial thickening of the shale unit was observed nor is there any alteration, sulphide beds or barite horizons which can be attributed to a submarine exhalative model. The blind orebody possibility is therefore considered, on the basis of geology, to be low.

### 3. GEOCHEMISTRY

Because of the extremely large area (5km by 20km) to be worked, a preliminary grid size was chosen so that the entire property could be sampled in one month. The spacing chosen was east-west grid lines 500m apart with sample stations every 100m. An orebody could quite easily fit between the sample points but it was assumed that secondary dispersion by zinc would cover a wide area. It was intended that fill-in lines at 100 metre spacing would be established in the future if the preliminary results warranted them.

Grid lines were established using compass and hip chain and 100 metre stations were marked using 1 metre high wooden pickets. Soil sampling was carried out simultaneously to the grid location. Silt samples and rock samples were taken at the end of the soil program when people were available.

Following is a description of each sampling medium with sampling procedures, analytical techniques and interpretation of results. Frequency histograms and log-probability plots for grouped data used in the statistical treatment of the data can be found as Appendix II.

#### 3.1 Soil Samples

As mentioned previously a 500m x 100m grid was established in order to cover the complete claim group. A total of six people were involved in the sampling, two of which, had no previous experience.

Because of the time of the year and the property elevation, much of the area was still snow covered and the ground still frozen. Collection of samples under these conditions was difficult and in many cases the A1 horizon was sampled rather than the preferable B horizon. Over the claim block, soil development is poor with tundra soils on the highest part of the plateau grading downslope on either side of the plateau to podzolic soils within the forested edges of the claim group. Much of the sample area is characterized by frost heaves so many samples were taken in this C horizon. In fact, with the frost problem and frost heaves, only about 50% of the samples were actually taken from the B horizon. Soil samples were therefore expected to be erratic with respect to lead and zinc concentrations.

Sampling procedures involved using a mattock to dig through the soil profile until the B horizon or C horizon was reached.

Approximately one half of a standard Kraft envelope was filled with the desired soil. A field data sheet was completed at the time of sampling. Pertinant information regarding rock type, soil horizon and depth of sample was included in the data and can be found in the Utah files. The samples were then shipped via CP Air from Watson Lake, Y.T. to Chemex Labs in North Vancouver

Laboratory techniques involved drying then sieving the sample in an ASTM-80 mesh screen. Digestion was carried out using perchloric-nitric acid and perchloric-nitirc-hydrafloric acid, the resulting liquid was then passed through an atomic absorption flame. Subsequent results are given in Appendix I.

Statistical analysis was performed using the 503 samples which covered the Besa River shales. This shale standard was used in order to reduce the number of anomalous samples within the shale unit. In fact, when calculations were made using samples throughout the total area, the resulting anomaly pattern showed that for most elements, the entire shale package was anomalous compared to the other units. This is to be expected for any black shale. Log-probability paper was used to plot the sample results and yielded the following parameters. Bracketed numbers refer to parameters calculated using sample results taken from the entire property.

TABLE 3.1  
STATISTICAL PARAMETERS

ELEMENT	BACKGROUND	THRESHOLD	ANOMALY
Ag	0.49 ppm (0.36)	1.2 ppm (0.91)	1.9 ppm (1.5)
Pb	15 ppm (13)	28 ppm (30)	36 ppm (36)
Zn	91 ppm (98)	203 ppm (218)	290 ppm (310)
Ba	1420 ppm (970)	2830 ppm (1945)	3600 ppm (2500)

It is noteworthy that the lead and zinc values appear to be unaffected by rock type. The shale unit seems to contain average amounts of lead and zinc rather than the elevated amounts which would be expected if this unit was near a sea floor vent.

Results of the soil sampling are shown on the 1:10,000 scale topographic maps numbered 3 to 10 at the back of this report. Contouring of the data at anomalous values of: silver - 1.9 ppm, lead - 36 ppm, zinc - 278 ppm and barium - 2433 ppm was carried out and the resulting anomalous zones will be described by element.

#### Silver (Maps 3 & 4)

In general, silver tends to be very low over the whole grid area with a maximum value of less than 10 ppm. As so many factors



influence the concentration of silver in soil, the resulting geochemical pattern is sporadic with isolated high values throughout the claim area. At the moment there appears to be no geologic reason for these spot highs. Silver does tend to coincide weakly with high lead values. Some of the longer trends of high values appear to be a result of the underlying Mattson Formation interbedded quartzites and shales. Boyle, 1968, suggests that silver is enriched in swamps, bogs and poorly drained soils. Ancient swamps and bogs may impart geochemically high, but not necessarily anomalous, values to the resulting rocks. As the Mattson Formation was likely laid down in swamp or shallow tidal flats, the higher silver values in the soil may be explained if the rocks are also enriched. No rock samples were taken from the quartzite so this theory is not proven.

#### Lead (Maps 5 & 6)

The geochemical trend of lead in soils runs roughly north-south. Areas of higher lead values are seen on maps 5 and 6 to cover parts of the three major rock units in the area. The largest anomaly lies in the soils above the Mattson quartzites. This is partially because of the poorly drained soils which overlie the quartzite, and possibly due to a greater content of lead in this Mississippian swamp or tidal flat which would tend to accumulate metals. Soils which have formed over the Devonian limestone of the Dunedin Formation also contain high lead. This is because of the presence of the karstic barite and calcite, with associated galena and sphalerite, which has been mentioned in geology section (2.2). Because of the reasons stated above, anomalies overlying the quartzites and limestones can be considered unimportant.

The Besa River shales appear to contribute very little lead to the overlying soil. There are, in fact, only 2 samples taken within the shales that can be considered to be anomalous. These two samples are not coincident with high zinc values, and are therefore not considered to be associated with lead-zinc mineralization which would be expected in a strataform deposit. The highest sample 00/7W with 97 ppm lead was taken near known mineralization.

#### Zinc (Maps 7 & 8)

Similar to the lead trends but not coincident, zinc shows an approximate north-south trend over the Mattson Formation and the Dunedin Formation. As with the lead values, the source of the enhanced geochemistry can also be attributed to poorly drained soils and the possible deposition history for samples taken over the Mattson Formation and to karstic barite-calcite pods within the Dunedin Formation.



Within the Besa River shale unit, zinc values in soils are low with all results less than 500 ppm. None of the zinc highs have coincidental lead highs and therefore appear to be local variations within the shale package rather than associated with lead-zinc mineralization.

Since the exposed shale unit is on a western slope, the fairly mobile zinc ions should exhibit a geochemical halo down slope greater than the sample spacing. Geochemical leakage from a theoretical buried deposit should appear as high zinc values in at least one sample and probably 2 or more along one grid line. Most of the higher values overlying the shale package have a one sample width or a maximum of 100m.

### Barium (Maps 9 & 10)

Although barium is similar to lead in ionic radius and therefore behaves similarly in soils, the barium results over the claim area show a marked difference from the lead results. Most of the barium highs lie in soils above the shale formation and over the barite-calcite pods within the Dunedin limestone.

The barium anomalies trend north-south as with the other elements and within the shales cover the previously mentioned barite nodular horizon (see section 2.2 Geology). In soils covering limestone the barium geochemistry is correlative with zinc. Nowhere is the barium high enough to indicate the presence of barite beds within the shale.

In general, the soil geochemistry is disappointingly low. There appear to be no indications of a massive sulphide bed, either outcropping or buried, within the shale unit. Although the wide spaced preliminary grid, the poor soil development and the presence of ground ice does result in some erratic results, an orebody with mineable dimensions should show up on the soil grid.

### 3.2 Silt Samples (Maps 11 & 12)

Approximately 200 silt samples were collected from creeks on the property to fill out the regional data obtained in 1981. A standard method was used for taking samples where about one half of a standard Kraft envelope was filled with the finest silt available at the sample site. At the time of sampling the sample environment was

logged on a data sheet. Information recorded included stream size (depth and width), estimate of water volume, pH, and major rock type. The samples were then sent to Chemex Labs in North Vancouver for analysis of silver, lead, zinc and barium.

The analysis used by Chemex Labs was a standard procedure involving drying and sieving to -80 mesh size, digestion using perchloric-nitric acid and perchloric-nitric-hydrofluoric and then injection into an atomic absorption flame. The resulting readout was reported in parts per million. Sample numbers and results can be found on Map numbers 11 and 12.

Several anomalous areas were defined in the 1981 reconnaissance program and these areas were better defined by the 1982 property samples. Sampling of creeks over unknown areas, mainly on the east side of the property, resulted in low values.

Statistical analysis of the results using log-probability paper gives the following parameters:

TABLE 3.2

1982 SILT SAMPLE STATISTICS

ELEMENT	BACKGROUND	THRESHOLD	ANOMALY
Silver	0.9 ppm	1.7 ppm	2.1 ppm
Lead	18 ppm	33 ppm	40 ppm
Zinc	148 ppm	271 ppm	330 ppm
Barium	1900 ppm	3980 ppm	5300 ppm

The statistical parameters in Table 3.2 are quite high when compared to regional sample results from the 1981 reconnaissance program. Table 3.3 lists these parameters.

TABLE 3.3

1981 REGIONAL RECCE SAMPLES

ELEMENT	BACKGROUND	THRESHOLD	ANOMALY
Silver	0.2 ppm	0.8 ppm	1.8 ppm
Lead	11 ppm	23 ppm	29 ppm
Zinc	155 ppm	341 ppm	480 ppm
Barium	-----	no data	-----

Except for zinc it can be seen that regionally, the anomalous values are slightly lower. If the threshold values are considered to be possibly anomalous and are outlined on maps 11 and 12, it can be seen that in this area most creeks draining the shale unit contain high metallic contents.

### 3.3 Rock Samples (Maps 11 & 12)

Seventy-four rock chip samples were collected as continuous and non-continuous profiles across three sections of the Besa River Shales. Several of the seventy-four samples were collected from areas of known mineralization. The locations and results of these samples can be found on Maps 11 and 12 at the back of this report.

Continuous rock chip samples were collected as a series of three metre samples taken perpendicular to the strike and dip of the shale unit. The location of each sample was plotted on a field map and a description of each sample was recorded on a data sheet. Approximately five pounds of rock was collected for each sample and shipped to Chemex Labs, North Vancouver, to be analysed geochemically for silver, lead, zinc and barium.

Upon receipt of the samples, Chemex Labs crushed and pulverized the sample to -100 mesh and treated the powder to the same process as with soils and silts. The fines were digested with perchloric-nitric acid and the resulting fluid aspirated into an atomic absorption flame. The results obtained were reported in parts per million.

Sampling of the shale unit was intended to identify any specific horizons within the shale that may contain greater amounts of metals than others, as well as giving metal contents of the shale unit which may be the source rock for the anomalous stream sediments. In particular, an increase in barium or zinc may pinpoint a favourable horizon for massive sulphides downdip or along strike.

Tables 3.4 to 3.6 show the results in profile.

Table 3.4

Vertical Profile of Rock Chip Results  
from Scatter Creek Area

Sample Number	Description	Results (ppm)			
		Ag	Pb	Zn	Ba
82ZGT23	Chip Shale with chert lenses	0.8	14	300	4200
22	Chip Shale with pyrite concretions	1.1	22	65	2750
21	Chip Shale	1.0	14	36	3200
20	Chip Shale	1.0	13	25	3150
19	Pyrite-rich chip shale	1.1	10	40	2650
18	Pyrite-rich chip shale	0.9	8	41	2100
17	Pyrite-rich chip shale	0.7	5	116	3300
16	Chip shale with barite nodules	1.4	8	78	3150

15	Chip shale with barite nodules	1.5	6	18	2150
14	Siliceous chip shale	2.0	5	10	2350
13	Chip shale	1.8	5	30	2400
12	Chip shale	1.9	11	100	3400
11	Chip shale	1.3	7	21	2450
10	Pyrite-rich chip shale	1.7	5	168	3100
9	Chip shale	2.0	12	115	3650

Table 3.5

Vertical Profile of Rock Chip Results  
from Central Area

Sample Number	Description	Results (ppm)			
		Ag	Pb	Zn	Ba
82ZMT1	Chip shale	1.8	32	23	1220
2	Chip shale	1.7	31	61	1080
3	Chip shale	0.7	19	405	1140
4	Chip shale with mudstone lenses	0.6	13	272	1060
5	Chip shale	0.8	8	64	2350
6	Chip shale	1.1	10	17	2300
7	Chip shale with barite nodules	1.4	11	32	2650
8	Chip shale with barite nodules	0.9	9	24	10000
9	Chip shale with intbd siliceous shale	1.7	12	123	3300
10	Musketball shale	1.6	8	75	2350
11	Musketball shale	1.7	7	75	2150
12	Blue-white weathering black shale	0.2	9	193	1200
13	Blue-white weathering black shale	0.4	10	11	760
14	Blue-white weathering black shale	0.6	8	9	640

Table 3.6

Vertical Profile of Rock Chip Results  
from Northern Area

Sample Number	Description	Results (ppm)			
		Ag	Pb	Zn	Ba
82ZGT24	Shale	1.2	29	45	6350
25	Shale	1.5	33	22	850
26	Quartzite and shale	0.1	3	25	600
27	Quartzite and shale	0.8	28	21	1450
28	Quartzite	0.2	2	148	120
29	Quartzite	0.2	3	210	240

32	BESA Riv. Fm.	Chip Shale	1.5	10	33	2000
30		Chip Shale	1.5	6	214	1560
31		Blue weathering slatey shale	1.9	9	220	2000
33		Blue weathering slatey shale	1.2	12	18	1920
37		Musketball shale	0.9	13	24	1140
36		Silver-grey weathering black shale	0.1	8	10	940
35		Blue weathering slatey shale	1.0	10	87	960
34		Limestone (Dunedin Fm)	0.2	1	22	2000

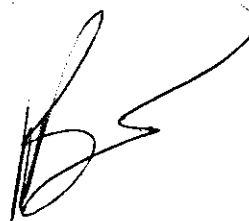
From the rock chip results, it can be seen that no single stratigraphic horizon carries a statistically significant increase in any of the four elements. If the Howard's Pass geochemistry is an indicator of a typical background for lead and zinc contents, in or near mineralized shale horizons, these results are extremely negative.

#### 4. CONCLUSIONS AND RECOMMENDATIONS

From the geology, geochemistry and prospecting work done over the Scat Claims, one must conclude that the possibility of a shale-hosted synsedimentary being found on this ground is very low. The claims were originally staked to cover high stream sediment geochemistry and a barite horizon. To date very little research has been done with respect to concretions, particularly those concretions which are made up primarily of barite. The most important question being the source of the barite. One can envision hydrothermal barite forming nodules at some distance from a source, but on a reconnaissance scale the direction and distance to the hydrothermal source would be impossible to determine. The anomalous stream sediments which are all high in silver and some high in lead and barium can be traced to the shale package. These shales, which are very friable, tend to make up the greater part of the sediments in the creeks. The sediment samples appear to reflect exactly the results found in rock samples, so it seems that little or no ionic movement via groundwater or surface waters is taking place from the source rock to the sample location.

The minor amounts of galena and sphalerite found within the shale would give rise to anomalous values further downstream.

It is recommended that one year assessment be applied to this property and further work done be in the form of literature research. The research should involve new theories on strataform deposits and the formation and geochemistry of barite nodules.

A handwritten signature in black ink, consisting of a stylized, cursive letter 'B' followed by a long, sweeping horizontal stroke that ends in a small hook.



Analytical

Soil Samples (4 elements - Ag, Pb, Zn, Ba)	
2020 samples @ \$6.64/sample	\$13412.
Silt Samples (4 elements - Ag, Pb, Zn, Ba)	
207 samples @ \$6.64/sample	1374.
Rock Samples (4 elements - Ag, Pb, Zn, Ba)	
75 samples @ \$7.92/sample	<u>594.</u>
	SUB-TOTAL
	\$15381.

Report and Data Compilation

Base Maps (topographic compilation from air photos)	\$4600.
Reproduction (mylars, sepias and prints)	1772.
Wages    Burt (Geologist) - 21 days @ \$115/day	2415.
Gopal (Draftsman) - 44 days @ \$93/day	<u>4092.</u>
	SUB-TOTAL
	\$12879.
	TOTAL COSTS INCURRED
	<u>\$85,808.</u>

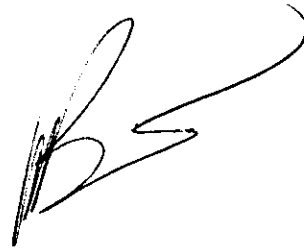
Assessment on 400 claim units for 1 year	\$40,000.
Deposit to Utah Mines PAC account	45,808.



6. STATEMENT OF QUALIFICATIONS

I, PHILIP D. BURT, of Vancouver, B.C., hereby certify that:

- 1.) I am a geologist residing at 4141 Oak Street, Vancouver, B.C. and employed by Utah Mines Ltd., 1600 - 1050 West Pender Street, Vancouver, B.C.
- 2.) I have graduated from the British Columbia Institute of Technology, 1971 with a Diploma in Mining Technology.
- 3.) I have graduated from the University of British Columbia, 1980 with a B.Sc. in Geology.
- 4.) I have worked within the mining industry in both exploration and production since 1970.
- 5.) I am the sole author of this geological and geochemical report.

A handwritten signature in black ink, appearing to be 'P.D. Burt', written in a cursive style.

APPENDIX I

CHEMEX ASSAY REPORTS



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211565-001-A

INVOICE # : 18211565

DATE : 5-JUL-82

P.C. # : NONE

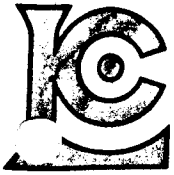
ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
75S 08E	201	16	285	1.0	1000	--	--
75S 09E	201	18	62	0.6	1620	--	--
75S 10E	201	8	176	0.7	1640	--	--
75S 11E	201	15	555	0.4	1260	--	--
75S 12E	203	16	256	0.3	860	--	--
75S 13E	203	7	53	0.3	580	--	--
75S 14E	201	18	47	0.7	1280	--	--
75S 15E	201	11	59	0.1	700	--	--
75S 16E	217	2	88	0.3	1320	--	--
75S 17E	201	64	88	2.3	1540	--	--
75S 18E	201	13	65	0.6	1160	--	--
75S 19E	203	18	72	0.9	800	--	--
75S 20E	201	15	83	0.7	1120	--	--
75S 21E	217	11	59	0.8	780	--	--
75S 22E	203	2	63	0.2	640	--	--
75S 23E	203	13	110	0.3	860	--	--
75S 24E	203	9	63	1.3	1060	--	--
75S 25E	217	16	92	0.7	1060	--	--
75S 01W	201	19	130	0.4	1000	--	--
75S 02W	201	7	53	0.6	1720	--	--
75S 03W	201	21	152	1.0	2000	--	--
75S 04W	203	17	146	0.9	2750	--	--
75S 05W	201	19	200	0.5	4800	--	--
75S 06W	203	20	620	3.5	3000	--	--
75S 07W	201	14	98	0.9	1460	--	--
75S 09W	217	2	29	0.5	1100	--	--
75S 10W	201	15	106	0.3	1520	--	--
75S 11W	217	2	52	0.1	680	--	--
75S 12W	201	8	36	0.8	1800	--	--
75S 13W	217	2	65	0.2	1540	--	--
75S 14W	201	8	32	0.7	2550	--	--
75S 16W	201	12	40	0.4	1500	--	--
75S 17W	201	11	88	0.5	1180	--	--
75S 18W	203	13	88	0.4	3600	--	--
75S 19W	201	19	215	0.5	820	--	--
75S 20W	203	12	75	0.2	680	--	--
75S 21W	201	16	40	0.7	1160	--	--
75S 22W	201	7	118	0.2	740	--	--
75S 24W	201	10	100	0.3	640	--	--
75S 25W	201	14	116	0.5	720	--	--

Certified by *H. B. Bichler*



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TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211565-002-A  
INVOICE # : 18211555  
DATE : 5-JUL-82  
P.O. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
80S 003L	201	9	67	0.6	1100	--	--
80S 01E	201	13	112	0.5	2100	--	--
80S 02E	201	17	125	0.5	1380	--	--
80S 03E	201	17	120	0.4	1120	--	--
80S 04E	201	12	63	1.3	2250	--	--
80S 05E	201	16	106	0.8	1660	--	--
80S 06E	217	3	33	0.4	1080	--	--
80S 07E	201	15	73	0.5	1020	--	--
80S 08E	201	14	115	0.5	780	--	--
80S 09E	201	15	123	0.6	820	--	--
80S 10E	217	2	85	0.6	440	--	--
80S 11E	201	13	135	0.7	1260	--	--
80S 12E	201	14	159	0.5	1500	--	--
80S 13E	201	14	122	0.6	1120	--	--
80S 14E	201	5	60	0.9	1100	--	--
80S 15E	217	3	40	0.6	620	--	--
80S 16E	201	16	128	0.7	2150	--	--
80S 17E	201	9	98	0.3	760	--	--
80S 18E	217	4	72	0.6	1260	--	--
80S 19E	201	1	36	0.5	1200	--	--
80S 20E	217	1	185	0.6	860	--	--
80S 21E	201	15	132	0.7	1140	--	--
80S 22E	201	9	90	1.0	1320	--	--
80S 23E	201	2	13	0.5	640	--	--
80S 24E	201	9	36	0.2	780	--	--
80S 25E	201	16	72	0.5	920	--	--
80S 01W	201	16	73	0.3	920	--	--
80S 02W	201	17	76	0.2	1680	--	--
80S 03W	201	9	57	0.2	1900	--	--
80S 04W	217	2	45	0.2	1420	--	--
80S 05W	201	9	66	0.6	1700	--	--
80S 06W	201	12	86	0.5	2850	--	--
80S 07W	201	15	98	1.0	2600	--	--
80S 08W	201	8	38	0.4	2100	--	--
80S 09W	201	47	135	2.3	5900	--	--
80S 10W	201	19	100	0.4	2050	--	--
80S 11W	201	16	65	0.2	2000	--	--
80S 12W	201	8	62	0.2	1120	--	--
80S 13W	201	9	49	0.3	1200	--	--
80S 14W	201	4	21	0.8	1680	--	--

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TO : UTAH MINES LIMITED

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

CERT. # : A8211565-003-A

INVOICE # : 18211565

DATE : 5-JUL-82

P.C. # : NCNE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
80S 15W	201	12	73	0.4	940	--	--
80S 16W	201	8	22	0.9	1720	--	--
80S 17W	201	13	44	0.6	1340	--	--
80S 18W	201	10	40	0.2	860	--	--
80S 19W	201	13	20	0.3	1240	--	--
80S 20W	201	15	106	0.4	920	--	--
80S 21W	201	11	40	0.1	1400	--	--
80S 22W	201	12	100	0.1	920	--	--
80S 23W	201	12	102	0.1	660	--	--
80S 24W	201	13	63	0.1	1020	--	--
80S 25W	201	12	100	0.2	780	--	--
85S 00	217	3	132	0.7	720	--	--
85S 1E	201	15	123	1.2	740	--	--
85S 2E	201	17	125	0.8	700	--	--
85S 3E	217	5	100	0.8	520	--	--
85S 4E	201	15	118	0.3	720	--	--
85S 5E	201	12	75	0.2	540	--	--
85S 6E	201	11	86	0.6	1050	--	--
85S 7E	201	15	76	0.7	1060	--	--
85S 8E	201	3	22	0.9	920	--	--
85S 9E	201	8	95	0.5	1080	--	--
85S 10E	201	2	82	0.3	680	--	--
85S 11E	201	17	68	0.3	660	--	--
85S 12E	201	6	33	0.2	1020	--	--
85S 13E	201	10	87	0.5	1760	--	--
85S 14E	201	16	110	0.4	1140	--	--
85S 15E	201	20	128	0.6	1420	--	--
85S 16E	201	15	95	0.3	1020	--	--
85S 17E	201	20	125	0.4	1440	--	--
85S 18E	201	17	105	0.1	1200	--	--
85S 19E	201	9	72	0.4	1200	--	--
85S 20E	201	2	51	0.4	760	--	--
85S 21E	201	13	86	0.3	1300	--	--
85S 22E	201	2	26	0.2	660	--	--
85S 23E	201	17	136	0.3	920	--	--
85S 24E	201	11	60	0.1	640	--	--
85S 25E	201	11	60	0.1	560	--	--
85S 1W	201	16	180	2.5	820	--	--
85S 2W	201	13	165	1.2	680	--	--
85S 3W	201	15	183	0.9	1040	--	--

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TO : UTAH MINES LIMITED

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

CERT. # : A8211565-004-A

INVOICE # : 18211565

DATE : 5-JUL-82

P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb opm	Zn ppm	Ag ppm	Ba ppm		
85S 4W	217	3	48	0.9	560	--	--
85S 5W	217	9	87	0.3	1140	--	--
85S 6W	203	4	36	0.2	1100	--	--
85S 7W	201	11	73	0.2	1580	--	--
85S 8W	201	15	92	0.5	1620	--	--
85S 9W	201	15	126	0.5	2150	--	--
85S 10W	203	16	108	0.6	1800	--	--
85S 11W	201	12	71	0.5	1580	--	--
85S 12W	201	12	37	0.3	1140	--	--
85S 13W	201	12	340	0.7	4000	--	--
85S 14W	201	11	90	0.2	2650	--	--
85S 15W	203	12	85	0.2	3400	--	--
85S 16W	201	12	75	0.2	1140	--	--
85S 17W	201	10	63	0.1	720	--	--
85S 18W	201	10	96	0.1	1200	--	--
85S 19W	201	12	54	0.1	1640	--	--
85S 20W	203	8	12	0.1	1060	--	--
85S 21W	201	9	23	0.1	900	--	--
85S 22W	203	9	27	0.1	840	--	--
85S 23W	201	10	132	0.1	780	--	--
85S 24W	201	10	48	0.2	800	--	--
85S 25W	201	14	81	0.1	580	--	--
90S 00BL	201	4	68	0.1	440	--	--
90S 1E	201	20	85	1.7	740	--	--
90S 2E	217	8	72	0.1	400	--	--
90S 3E	201	19	76	1.3	800	--	--
90S 4E	201	15	108	0.1	840	--	--
90S 5E	201	10	63	0.4	1060	--	--
90S 6E	201	10	90	0.6	1040	--	--
90S 7E	201	15	90	0.1	860	--	--
90S 8E	201	13	47	0.4	460	--	--
90S 9E	201	13	52	0.4	460	--	--
90S 10E	201	22	74	2.3	620	--	--
90S 11E	201	1	65	0.2	500	--	--
90S 12E	217	1	119	0.2	300	--	--
90S 13E	201	12	112	0.5	780	--	--
90S 14E	201	14	115	0.5	520	--	--
90S 15E	201	13	162	0.9	860	--	--
90S 16E	201	8	237	0.5	680	--	--
90S 17E	217	2	108	0.1	200	--	--

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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. # : A8211565-005-A  
INVOICE # : I8211565  
DATE : 5-JUL-82  
P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
90S 18E	201	14	200	4.1	860	--	--
90S 19E	201	11	72	0.3	700	--	--
90S 20E	201	9	78	0.7	620	--	--
90S 21E	201	12	98	1.6	630	--	--
90S 22E	201	14	130	2.0	880	--	--
90S 23E	217	4	173	0.8	620	--	--
90S 24E	201	6	61	0.2	380	--	--
90S 25E	201	10	64	0.1	640	--	--
90S 1W	201	11	125	0.2	500	--	--
90S 2W	201	16	98	0.2	740	--	--
90S 3W	201	24	91	1.9	840	--	--
90S 4W	201	20	70	0.3	760	--	--
90S 5W	201	13	240	2.1	600	--	--
90S 6W	201	35	280	4.1	960	--	--
90S 7W	201	14	117	0.6	1240	--	--
90S 8W	201	13	102	0.3	1220	--	--
90S 9W	201	10	70	0.1	1340	--	--
90S 10W	201	14	82	0.6	1560	--	--
90S 11W	201	1	102	0.3	1340	--	--
90S 12W	201	1	40	0.1	780	--	--
90S 13W	201	12	61	0.3	1300	--	--
90S 14W	201	1	10	0.3	640	--	--
90S 15W	201	19	22	0.7	1600	--	--
90S 16W	201	9	44	0.1	600	--	--
90S 17W	217	2	63	0.1	260	--	--
90S 18W	201	9	20	0.2	720	--	--
90S 19W	217	3	73	0.1	580	--	--
90S 20W	201	7	9	0.1	1000	--	--
90S 21W	201	14	17	0.1	1040	--	--
90S 22W	201	10	59	0.1	630	--	--
90S 23W	201	14	65	0.1	900	--	--
90S 24W	201	16	115	0.1	840	--	--
90S 25W	201	9	70	0.2	640	--	--
95S 00BL	201	13	95	0.7	1000	--	--
95S 1E	201	17	100	0.4	1460	--	--
95S 2E	201	15	86	0.1	1100	--	--
95S 3E	201	14	67	0.3	920	--	--
95S 4E	201	14	59	0.1	760	--	--
95S 5E	201	3	30	0.3	690	--	--
95S 6E	201	10	44	0.1	520	--	--

Certified by *Hart Buchler*



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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

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TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211565-006-A  
INVOICE # : I8211565  
DATE : 5-JUL-82  
P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
95S 7E	217	1	85	0.2	440	--	--
95S 8E	201	14	49	0.3	920	--	--
95S 9E	201	13	74	0.5	1040	--	--
95S 10E	201	13	345	0.7	520	--	--
95S 11E	201	12	100	0.5	580	--	--
95S 12E	201	14	108	0.8	1140	--	--
95S 13E	201	13	80	0.6	820	--	--
95S 14E	201	19	133	0.6	1360	--	--
95S 15E	201	15	98	0.6	920	--	--
95S 16E	201	15	82	0.6	1100	--	--
95S 17E	201	18	105	0.7	1300	--	--
95S 18E	217	18	27	0.9	840	--	--
95S 19E	201	22	240	0.4	1140	--	--
95S 20E	201	13	55	0.3	730	--	--
95S 21E	201	12	100	0.3	340	--	--
95S 22E	201	9	35	0.1	350	--	--
95S 23E	201	14	103	0.4	630	--	--
95S 24E	201	12	105	0.1	530	--	--
95S 25E	201	12	90	0.1	670	--	--
95S 1W	201	19	60	0.8	640	--	--
95S 2W	201	24	330	0.5	730	--	--
95S 3W	201	20	84	0.4	940	--	--
95S 4W	201	29	60	0.8	520	--	--
95S 5W	201	15	88	0.1	760	--	--
95S 6W	201	30	382	1.4	500	--	--
95S 7W	201	15	130	0.5	930	--	--
95S 8W	217	3	60	0.1	420	--	--
95S 9W	217	5	76	0.3	780	--	--
95S 10W	201	16	77	0.2	660	--	--
95S 11W	217	3	238	0.2	940	--	--
95S 12W	217	7	102	0.2	1640	--	--
95S 14W	201	14	91	0.4	1400	--	--
95S 15W	217	3	22	0.2	680	--	--
95S 16W	217	5	105	0.1	1840	--	--
95S 17W	217	1	188	0.1	1920	--	--
95S 18W	201	12	55	0.1	960	--	--
95S 19W	201	4	49	0.1	1460	--	--
95S 20W	217	1	72	0.1	900	--	--
95S 21W	201	14	135	0.1	1540	--	--
95S 22W	201	14	123	0.1	1160	--	--

Certified by .. *Hart Bickler* ..



MEMBER  
CANADIAN TESTING  
ASSOCIATION





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : AB211565-007-A

INVOICE # : 13211565

DATE : 5-JUL-82

P.C. # : NONE

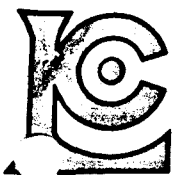
ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
95S 23W	201	14	85	0.1	820	--	--
95S 24W	217	2	146	0.1	840	--	--
95S 25W	201	6	30	0.1	1240	--	--
- 82 ZGL 5	201	11	115	0.2	2600	--	--
82 ZGL 6	201	14	120	0.2	2500	--	--
82 ZGL 7	201	13	120	0.3	1860	--	--
82 ZGL 8	201	12	210	0.4	1140	--	--
82 ZGL 9	201	10	112	0.2	2500	--	--
82 ZGL 10	201	12	95	0.2	1660	--	--
82 ZGL 11	201	12	126	0.2	1880	--	--
82 ZGL 12	201	12	118	0.3	1620	--	--
82 ZGL 13	201	13	95	0.2	1540	--	--
82 ZGL 14	201	20	126	0.2	2300	--	--
82 ZGL 15	201	13	130	0.3	1980	--	--
82 ZGL 16	201	12	125	0.4	2000	--	--
82 ZGL 17	201	13	115	0.3	2000	--	--
82 ZGL 18	201	15	113	0.4	880	--	--
82 ZGL 19	201	13	92	0.2	1220	--	--
82 ZSL 1	201	25	102	0.8	990	--	--
82 ZSL 2	201	29	117	1.2	1000	--	--
82 ZSL 3	201	22	140	1.0	1840	--	--
82 ZSL 4	201	23	217	1.0	1270	--	--
82 ZSL 5	201	20	350	0.8	1900	--	--
82 ZSL 6	201	22	460	0.9	2200	--	--
82 ZSL 7	201	17	155	0.7	2650	--	--
82 ZSL 8	201	14	133	0.4	2600	--	--
82 ZSL 9	201	15	112	0.7	2700	--	--
82 ZSL 10	201	15	203	0.8	3100	--	--
82 ZSL 11	201	20	95	0.6	3100	--	--
82 ZSL 12	201	23	90	1.2	2300	--	--
82 ZSL 13	201	14	90	1.5	2400	--	--

Certified by *Hant Buchler*



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

TC : UTAH MINES LIMITED

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

CERT. # : A8211564-CC1-A  
INVOICE # : I8211564  
DATE : 02-JUL-82  
P.C. # : NONE

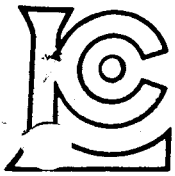
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ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
50S 18E	201	19	163	0.8	1300	--	--
50S 19E	201	18	153	0.9	1400	--	--
50S 20E	201	10	124	0.9	1120	--	--
50S 21E	201	13	92	0.8	1180	--	--
50S 22E	201	11	76	1.1	920	--	--
50S 23E	201	10	80	1.5	800	--	--
50S 24E	201	17	160	1.0	880	--	--
50S 25E	201	14	210	0.6	780	--	--
50S 01W	201	4	105	0.5	660	--	--
50S 02W	201	6	40	0.6	1090	--	--
50S 03W	201	3	85	0.5	780	--	--
50S 04W	201	26	116	0.6	800	--	--
50S 05W	201	13	38	1.4	760	--	--
50S 06W	201	22	148	2.6 *	1420	--	--
50S 07W	201	13	99	0.6	720	--	--
50S 08W	201	23	46	0.9	620	--	--
50S 09W	201	14	88	0.5	1480	--	--
50S 10W	217	5	16	0.1	760	--	--
50S 11W	201	21	12	0.3	1020	--	--
50S 12W	201	28	35	0.7	1200	--	--
50S 13W	201	13	51	0.2	1060	--	--
50S 14W	201	10	47	0.2	1760	--	--
50S 15W	201	15	112	0.2	1320	--	--
50S 16W	201	11	72	0.7	2050	--	--
50S 17W	201	12	70	0.1	760	--	--
50S 18W	201	13	39	0.1	940	--	--
50S 19W	201	9	30	0.1	540	--	--
50S 20W	201	15	75	0.1	750	--	--
50S 21W	201	20	113	0.1	620	--	--
50S 22W	201	13	96	0.1	560	--	--
50S 23W	201	14	106	0.1	560	--	--
50S 24W	201	11	93	0.2	1240	--	--
50S 25W	201	45 *	70	0.1	1280	--	--
55S 00BL	201	16	175	0.6	750	--	--
55S 01E	201	16	140	0.6	1200	--	--
55S 02E	201	16	124	0.2	1520	--	--
55S 03E	217	3	130	0.1	360	--	--
55S 04E	201	12	102	0.8	960	--	--
55S 05E	217	3	278	0.1	540	--	--
55S 06E	217	13	65	1.0	1300	--	--



Certified by *J. F. McHay*



# CHEMEX LABS LTD.

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

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211564-C02-A  
INVOICE # : I6211564  
DATE : 02-JUL-82  
P.C. # : NONE

ATTN: PHIL BLRT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
55S 07E	201	14	98	0.1	300	--	--
55S 08E	201	12	38	0.2	340	--	--
55S 09E	201	18	90	0.5	580	--	--
55S 10E	201	12	62	0.4	600	--	--
55S 11E	201	16	103	1.7	1040	--	--
55S 12E	203	3	80	0.2	320	--	--
55S 13E	203	12	50	0.6	700	--	--
55S 14E	217	1	168	0.1	280	--	--
55S 15E	203	7	280	0.7	1000	--	--
55S 16E	217	7	160	0.2	760	--	--
55S 17E	203	7	158	0.3	1040	--	--
55S 18E	201	10	47	0.6	380	--	--
55S 19E	201	23	206	0.7	1540	--	--
55S 20E	203	2	85	0.1	280	--	--
55S 21E	217	2	80	0.1	60	--	--
55S 22E	201	20	140	0.3	700	--	--
55S 23E	203	3	110	0.1	360	--	--
55S 24E	203	1	113	0.2	400	--	--
55S 25E	201	18	95	0.2	800	--	--
55S 01W	217	10	100	0.9	960	--	--
55S 03W	201	13	58	0.2	560	--	--
55S 04W	203	10	50	0.4	490	--	--
55S 05W	201	14	58	0.3	590	--	--
55S 06W	203	16	74	0.4	720	--	--
55S 07W	201	21	72	0.3	620	--	--
55S 08W	203	26	70	0.6	860	--	--
55S 09W	201	20	135	0.5	980	--	--
55S 10W	201	20	130	0.5	880	--	--
55S 11W	201	8	21	0.3	520	--	--
55S 13W	203	17	64	0.5	1040	--	--
55S 14W	201	10	33	0.4	980	--	--
55S 15W	201	16	68	0.6	1180	--	--
55S 16W	201	28	20	0.9	5900	--	--
55S 17W	201	9	23	0.8	2200	--	--
55S 18W	201	12	53	0.3	720	--	--
55S 19W	201	14	52	0.1	700	--	--
55S 20W	201	13	80	0.3	980	--	--
55S 21W	203	8	31	0.1	1100	--	--
55S 22W	201	16	102	0.2	3050	--	--
55S 23W	201	12	81	0.2	980	--	--



Certified by *J.F. McNamee*



# CHEMEX LABS LTD.

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

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211564-003-

INVOICE # : I8211564

DATE : 02-JUL-82

P.C. # : NCNE

ATTN: PHIL BURT

Sample description	Prep code	Pb opt	Zn ppm	Ag ppm	Ba ppm		
55S 24W	201	3	29	0.1	420	--	--
55S 25W	201	11	62	0.1	740	--	--
60S 00BL	201	4	10	0.5	700	--	--
60S 01E	217	5	55	0.2	2800 *	--	--
60S 02E	217	3	60	0.1	1280	--	--
60S 03E	201	14	83	0.1	1280	--	--
60S 04E	201	10	49	0.1	1120	--	--
60S 05E	201	14	62	0.1	1000	--	--
60S 06E	201	8	65	0.8	1320	--	--
60S 07E	201	6	53	0.3	980	--	--
60S 08E	201	14	68	0.6	1680	--	--
60S 09E	201	13	102	0.6	1800	--	--
60S 10E	201	1	365	0.2	860	--	--
60S 11E	201	2	225	0.1	380	--	--
60S 12E	201	1	1320 *	0.3	460	--	--
60S 13E	201	5	1150 *	0.1	1080	--	--
60S 14E	201	1	265	0.2	420	--	--
60S 15E	201	4	36	0.8	960	--	--
60S 16E	201	3	63	0.1	920	--	--
60S 17E	201	1	78	0.1	240	--	--
60S 18E	201	17	174	0.2	1280	--	--
60S 19E	201	14	160	0.2	1020	--	--
60S 20E	201	13	113	0.8	1300	--	--
60S 21E	201	21	140	0.7	1580	--	--
60S 22E	201	18	145	0.5	1280	--	--
60S 23E	201	2	36	0.1	540	--	--
60S 25E	201	11	89	1.1	380	--	--
60S 01W	201	23	73	0.1	940	--	--
60S 02W	201	16	68	0.1	1020	--	--
60S 04W	201	16	98	0.1	960	--	--
60S 05W	217	4	112	0.2	900	--	--
60S 06W	201	22	70	0.9	1540	--	--
60S 07W	201	15	40	2.8 *	1400	--	--
60S 08W	201	13	110	0.6	1180	--	--
60S 09W	201	12	50	1.1	1260	--	--
60S 10W	201	27	63	0.4	1000	--	--
60S 11W	201	26	28	0.4	1100	--	--
60S 12W	201	33 *	130	0.3	960	--	--
60S 13W	201	23	26	0.1	1260	--	--
60S 14W	201	26	52	0.3	1300	--	--

Certified by ... *J.F. McManis* ...





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CLRT. # : A8211564-004-A  
INVL # : 18211564  
DATE : 02-JUL-82  
P.C. : NCAE

ATTN: PHIL BLRT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm
60S 15W	201	27	60	0.4	1080
60S 16W	201	18	51	0.8	3700
60S 17W	201	13	9	0.6	2000
60S 18W	201	17	35	0.7	1600
60S 19W	201	13	29	0.1	1140
60S 20W	201	11	31	0.1	1020
60S 21W	201	14	80	0.1	2000
60S 22W	201	10	112	0.1	840
60S 23W	201	20	108	0.1	1360
60S 24W	201	15	84	0.1	1460
60S 25W	201	13	295	0.1	820
65S 00BL	201	9	55	0.5	1560
65S 01E	201	1	34	0.1	900
65S 02E	201	1	63	0.1	1100
65S 03E	201	1	76	0.1	340
65S 04E	201	1	26	0.1	540
65S 05E	201	2	44	0.1	1100
65S 06E	201	2	65	0.1	1820
65S 07E	201	1	9	0.1	1020
65S 08E	201	1	46	0.1	820
65S 09E	201	1	10	0.1	1140
65S 10E	201	3	30	0.1	1160
65S 11E	201	10	68	0.1	980
65S 12E	201	14	128	0.1	1460
65S 13E	201	9	115	0.1	840
65S 14E	201	8	50	0.3	1240
65S 15E	201	3	38	0.1	1040
65S 16E	201	6	85	0.1	780
65S 17E	201	3	20	0.1	780
65S 18E	201	4	38	0.1	600
65S 19E	201	2	52	0.1	460
65S 20E	201	12	102	0.1	1260
65S 21E	201	5	67	0.1	840
65S 22E	201	1	52	0.1	320
65S 23E	201	13	127	0.1	1040
65S 24E	201	1	45	0.1	280
65S 25E	201	1	52	0.1	380
65S 01W	201	11	84	0.1	1680
65S 02W	201	6	41	0.1	920
65S 03W	201	17	50	0.2	1140



Certified by *[Signature]*



# 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. # : A3211564-005-A  
INVOICE # : 18211564  
DATE : 02-JUL-82  
P.C. # : NONE

ATTN: PHIL BLRT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
65S 04W	201	17	48	1.3	880	--	--
65S 05W	201	11	39	0.1	960	--	--
65S 06W	201	16	65	0.3	820	--	--
65S 07W	201	31 *	70	1.1	1140	--	--
65S 08W	201	19	120	0.1	1180	--	--
65S 09W	201	15	105	0.6	1880	--	--
65S 10W	201	24	88	1.0	2900 *	--	--
65S 11W	201	7	45	0.2	1260	--	--
65S 12W	201	12	43	0.5	1200	--	--
65S 13W	201	14	44	0.7	1960	--	--
65S 14W	201	12	71	0.5	1260	--	--
65S 15W	201	11	32	0.1	1340	--	--
65S 16W	201	10	52	0.2	1360	--	--
65S 17W	201	3	5	0.3	820	--	--
65S 18W	201	9	118	0.1	1440	--	--
65S 19W	201	11	20	0.1	1460	--	--
65S 20W	201	11	135	0.1	1400	--	--
65S 21W	201	9	10	0.1	1240	--	--
65S 22W	201	8	66	0.3	1120	--	--
65S 23W	201	9	38	0.1	1160	--	--
65S 24W	201	49 * *	880 * *	0.1	5500 * *	--	--
65S 25W	201	30 * *	430 * *	0.3	4400 * *	--	--
70S 00BL	201	15	95	0.5	1120	--	--
70S 01E	201	12	51	0.6	820	--	--
70S 02E	201	1	46	0.1	740	--	--
70S 04E	201	1	90	0.4	820	--	--
70S 05E	201	14	90	0.8	1340	--	--
70S 06E	201	12	82	0.7	1100	--	--
70S 07E	201	4	39	0.8	1120	--	--
70S 08E	201	1	135	0.3	1220	--	--
70S 09E	201	1	55	0.5	500	--	--
70S 10E	201	8	80	0.5	1160	--	--
70S 11E	201	15	113	0.4	1240	--	--
70S 12E	201	25	100	0.2	860	--	--
70S 13E	201	9	58	0.5	1200	--	--
70S 14E	201	2	93	0.4	720	--	--
70S 15E	201	10	92	0.1	360	--	--
70S 16E	201	14	72	0.4	1200	--	--
70S 17E	201	12	112	0.4	860	--	--
70S 18E	201	19	123	0.5	1940	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by ..... *D.F. McVay* .....



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211564-006-A  
INVOICE # : I3211564  
DATE : 02-JUL-82  
P.C. # : NONE

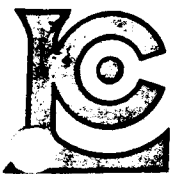
ATTN: PHIL BURT

Sample description	Prep code	Pb ppt	Zn ppm	Ag ppt	Ba ppm		
70S 19E	217	15	113	0.9	2000	--	--
70S 20E	217	1	30	0.2	540	--	--
70S 21E	201	15	104	0.4	1060	--	--
70S 22E	201	12	135	0.4	2000	--	--
70S 23E	201	17	116	1.7	1580	--	--
70S 24E	217	2	184	0.1	240	--	--
70S 25E	201	18	116	0.3	740	--	--
70S 01W	201	13	113	0.1	860	--	--
70S 02W	201	9	32	0.3	800	--	--
70S 03W	201	13	106	0.4	1260	--	--
70S 04W	203	14	245	0.8	1640	--	--
70S 05W	201	11	61	0.5	960	--	--
70S 06W	201	25	70	1.9	1380	--	--
70S 07W	201	15	62	0.5	1420	--	--
70S 08W	203	20	73	2.5 *	1580	--	--
70S 09W	201	20	52	1.6	1960	--	--
70S 10W	201	24	78	1.0	3100 *	--	--
70S 11W	201	3	40	0.3	2200	--	--
70S 12W	203	18	225	1.0	3500	--	--
70S 13W	201	17	103	0.9	2000	--	--
70S 14W	201	22	105	3.6 *	3800 *	--	--
70S 15W	203	27	100	5.6 *	2500	--	--
70S 16W	203	10	20	1.4	1520	--	--
70S 17W	203	11	65	0.1	2000	--	--
70S 18W	201	12	53	0.3	2000	--	--
70S 19W	203	9	67	0.3	1520	--	--
70S 20W	201	13	162	0.3	1540	--	--
70S 21W	203	19	80	0.5	2100	--	--
70S 22W	201	25	70	0.3	1360	--	--
70S 23W	201	23	250	0.2	1120	--	--
70S 24W	201	29	660	0.2	960	--	--
70S 25W	203	4	142	0.1	880	--	--
75S 00BL	201	21	152	0.3	1720	--	--
75S 01E	201	23	255	1.0	1720	--	--
75S 02E	201	34 *	55	1.4	1020	--	--
75S 03E	203	17	87	0.7	1740	--	--
75S 04E	203	19	565 *	0.4	2450	--	--
75S 05E	201	16	170	0.3	2700	--	--
75S 06E	217	28	72	0.8	1260	--	--
75S 07E	201	16	143	0.6	1040	--	--

Certified by *J.S. McManis*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212  
NG.  
CANADA

TELEPHONE  
TELEX:

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211563-  
INVOICE # : I8211563  
DATE : 30-JUN-82  
P.C. # : NCNE

*SCAT*

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
5N 19 E	201	22	183	2.3	900	--	--
5N 20 E	203	8	89	0.7	740	--	--
5N 21 E	201	10	41	0.1	840	--	--
5N 22 E	203	7	57	0.2	740	--	--
5N 23 E	203	1	42	0.1	820	--	--
5N 24 E	201	11	108	0.8	2000	--	--
5N 25 E	203	1	88	0.1	480	--	--
5N 16 W	201	18	133	0.1	1960	--	--
5N 17 W	203	1	135	0.2	820	--	--
5N 18 W	201	4	86	0.2	780	--	--
5N 19 W	203	6	172	0.2	1140	--	--
5N 20 W	201	10	70	1.3	2050	--	--
5N 21 W	201	16	82	0.5	1000	--	--
5N 22 W	201	11	94	0.1	760	--	--
5N 23 W	201	28	315	0.4	680	--	--
5N 24 W	201	11	190	0.1	740	--	--
5N 25 W	201	21	218	0.1	940	--	--
10N 00 BL	201	19	200	0.7	1440	--	--
10N 01 E	203	9	110	0.6	1060	--	--
10N 02 E	203	4	87	0.3	620	--	--
10N 04 E	201	7	100	0.4	940	--	--
10N 05 E	217	1	122	0.1	100	--	--
10N 06 E	203	2	128	0.1	620	--	--
10N 07 E	203	4	130	0.2	640	--	--
10N 08 E	203	1	153	0.3	220	--	--
10N 09 E	203	2	125	0.1	560	--	--
10N 10 E	203	1	155	0.3	560	--	--
10N 11 E	201	8	148	0.1	800	--	--
10N 12 E	203	2	255	0.1	580	--	--
10N 13 E	201	2	108	0.2	720	--	--
10N 14 E	201	26	102	0.7	1760	--	--
10N 15 E	201	18	100	0.5	1540	--	--
10N 16 E	201	3	70	0.1	1120	--	--
10N 17 E	201	14	60	0.3	1600	--	--
10N 18 E	201	40	73	1.3	940	--	--
10N 19 E	201	24	195	0.8	1740	--	--
10N 20 E	201	15	120	0.4	820	--	--
10N 21 E	201	12	93	0.9	700	--	--
10N 24 E	201	19	128	0.3	2100	--	--
10N 25 E	203	19	178	0.6	2000	--	--

*Hart Buchler*

Certified by .....







# 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. # : A8211563-002-A  
INVOICE # : 18211563  
DATE : 30-JUN-82  
P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppt	Zn ppm	Ag ppt	Sa ppm		
10N 01 W	2C1	16	110	0.5	1120	--	--
10N 02 W	2C1	9	84	0.5	1040	--	--
10N 03 W	217	2	91	0.3	540	--	--
10N 04 W	2C1	32	60	1.3	1720	--	--
10N 05 W	201	16	106	0.9	1580	--	--
10N 06 W	201	16	130	0.5	2100	--	--
10N 07 W	2C1	12	85	2.5	3150	--	--
10N 08 W	2C1	12	82	1.6	1940	--	--
10N 09 W	2C1	10	90	0.6	2100	--	--
10N 10 W	2C1	4	129	0.4	700	--	--
10N 11 W	2C1	12	192	0.2	1040	--	--
10N 12 W	2C1	15	138	0.4	1740	--	--
10N 13 W	217	1	102	0.1	380	--	--
10N 14 W	2C1	13	135	0.2	2050	--	--
10N 15 W	2C1	18	210	0.1	940	--	--
10N 16 W	2C1	13	202	0.7	1020	--	--
10N 17 W	2C1	7	120	0.2	340	--	--
10N 18 W	2C1	30	390	0.3	1060	--	--
10N 19 W	2C3	2	160	0.2	760	--	--
10N 20 W	2C1	12	213	0.1	1140	--	--
10N 21 W	201	12	93	0.1	820	--	--
10N 22 W	201	8	136	0.1	1040	--	--
10N 23 W	2C1	10	128	0.1	660	--	--
10N 24 W	201	16	235	0.1	640	--	--
10N 25 W	2C1	40	250	0.1	720	--	--
15S 00 BL	2C1	27	160	0.3	1140	--	--
15S 01 W	201	17	488	1.0	920	--	--
15S 02 W	201	23	162	0.6	1040	--	--
15S 03 W	2C1	26	56	0.6	680	--	--
15S 04 W	2C1	12	88	0.1	920	--	--
15S 05 W	201	23	46	1.4	1240	--	--
15S 06 W	2C1	30	180	1.4	1640	--	--
15S 07 W	217	4	41	0.3	540	--	--
15S 08 W	2C3	7	300	0.4	1160	--	--
15S 09 W	2C1	9	98	0.7	1340	--	--
15S 11 W	2C1	18	105	1.0	2950	--	--
15S 12 W	217	9	120	0.6	1420	--	--
15S 13 W	217	18	170	1.3	2300	--	--
15S 14 W	201	13	80	0.2	1640	--	--
15S 15 W	2C1	13	42	0.6	1960	--	--

*Hart Bickler*

Certified by .....



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. # : A8211563-C03-A  
INVOICE # : I3211563  
DATE : 30-JUN-82  
P.C. # : NCNE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppr	Zn ppm	Ag ppr	Ba ppm		
15S 18 W	201	13	60	0.2	1140	--	--
15S 19 W	201	11	68	0.2	1040	--	--
15S 20 W	201	10	124	0.3	1460	--	--
15S 21 W	201	6	72	0.2	1140	--	--
15S 22 W	201	13	128	0.1	1180	--	--
15S 25 W	201	36	236	0.2	1100	--	--
20S 05 W	201	24	76	0.3	980	--	--
20S 07 W	201	18	140	0.9	1840	--	--
20S 08 W	201	28	65	0.9	1460	--	--
20S 09 W	201	34	70	1.1	1560	--	--
20S 10 W	201	19	126	0.7	1900	--	--
20S 11 W	201	27	162	1.3	2850	--	--
20S 12 W	201	25	170	1.9	2700	--	--
20S 13 W	201	25	114	1.5	4000	--	--
20S 14 W	201	11	102	0.3	1380	--	--
20S 15 W	201	10	98	0.7	1220	--	--
20S 16 W	201	15	270	0.3	1400	--	--
20S 17 W	201	13	118	0.1	990	--	--
20S 18 W	201	16	84	0.7	2000	--	--
20S 19 W	201	14	113	0.4	3100	--	--
20S 20 W	201	26	210	0.1	1040	--	--
20S 21 W	201	28	413	0.1	1860	--	--
20S 22 W	201	18	305	0.1	1180	--	--
20S 24 W	201	22	200	0.1	620	--	--
20S 25 W	201	6	76	0.3	1200	--	--
30S 01 W	201	13	76	0.2	780	--	--
30S 02 W	217	1	13	0.2	220	--	--
30S 03 W	201	8	102	0.3	880	--	--
30S 04 W	201	22	165	0.3	1240	--	--
30S 05 W	201	7	25	0.4	840	--	--
30S 06 W	201	20	52	0.4	780	--	--
30S 07 W	201	22	187	0.9	1620	--	--
30S 08 W	201	12	90	0.4	1100	--	--
30S 09 W	201	15	84	0.7	1380	--	--
30S 10 W	201	19	90	0.9	1360	--	--
30S 11 W	201	32	80	1.2	1380	--	--
30S 12 W	201	19	102	0.7	2000	--	--
30S 13 W	201	27	206	0.7	2450	--	--
30S 14 W	201	15	85	0.7	2500	--	--
30S 15 W	201	17	112	1.0	1240	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211563-004-A

INVOICE # : I8211563

DATE : 30-JUN-82

P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
30S 16 W	201	14	61	0.3	1100	--	--
30S 17 W	201	18	203	0.6	1580	--	--
30S 18 W	217	2	60	0.1	220	--	--
30S 19 W	201	21	80	0.8	1020	--	--
30S 20 W	201	19	75	0.4	1040	--	--
30S 21 W	201	19	105	0.1	780	--	--
30S 22 W	201	17	62	0.5	2900	--	--
30S 23 W	201	120	880	0.4	2250	--	--
30S 24 W	201	65	315	0.2	2500	--	--
30S 25 W	201	17	167	0.1	680	--	--
35S 01 W	217	1	250	0.1	720	--	--
35S 02 W	217	3	188	0.2	440	--	--
35S 03 W	217	1	195	0.1	380	--	--
35S 04 W	217	1	123	0.1	260	--	--
35S 05 W	217	1	25	0.1	580	--	--
35S 06 W	217	1	90	0.1	440	--	--
35S 07 W	201	23	75	0.5	1240	--	--
35S 08 W	217	8	138	0.4	960	--	--
40S 00 BL	217	2	90	0.1	180	--	--
40S 01 E	217	1	78	0.1	180	--	--
40S 02 E	217	1	155	0.1	300	--	--
40S 03 E	217	1	60	0.1	360	--	--
40S 04 E	217	1	110	0.1	60	--	--
40S 05 E	201	24	123	0.9	1840	--	--
40S 06 E	217	1	195	0.1	360	--	--
40S 07 E	201	20	105	0.5	1340	--	--
40S 08 E	217	4	86	0.3	920	--	--
40S 09 E	201	23	126	0.7	1760	--	--
40S 10 E	217	2	113	0.1	360	--	--
40S 11 E	217	2	114	0.1	340	--	--
40S 12 E	217	4	128	0.3	420	--	--
40S 13 E	201	20	110	0.7	1740	--	--
40S 14 E	201	14	110	0.8	1200	--	--
40S 15 E	217	1	132	0.1	180	--	--
40S 16 E	201	13	140	0.4	820	--	--
40S 17 E	217	2	108	0.1	220	--	--
40S 18 E	217	1	159	0.1	220	--	--
40S 19 E	217	3	150	0.2	260	--	--
40S 20 E	201	20	126	0.5	940	--	--
40S 21 E	201	24	170	0.9	1100	--	--

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1500 - 1050 WEST PENDER STREET  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8211563-005-A

INVOICE # : I8211563

DATE : 30-JUN-82

P.O. # : NCNE

ATTN: PHIL BURT

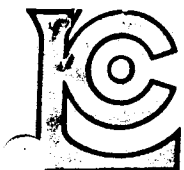
Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
40S 22 E	201	22	125	0.9	1240	--	--
40S 23 E	201	1	149	0.3	360	--	--
40S 24 E	201	1	172	0.3	280	--	--
40S 25 E	201	13	84	0.2	660	--	--
40S 01 W	203	3	118	0.1	340	--	--
40S 02 W	203	2	155	0.2	260	--	--
40S 03 W	201	1	445	0.2	740	--	--
40S 04 W	203	6	162	0.3	720	--	--
40S 05 W	201	4	27	0.4	640	--	--
40S 06 W	203	7	69	0.3	560	--	--
40S 07 W	201	27	120	0.6	1160	--	--
40S 08 W	201	34	163	0.9	1340	--	--
40S 09 W	201	33	69	0.9	940	--	--
40S 10 W	201	44	46	0.6	920	--	--
40S 11 W	201	22	69	1.5	1160	--	--
40S 12 W	203	19	39	0.9	1740	--	--
40S 13 W	201	16	133	0.5	1420	--	--
40S 14 W	217	2	108	0.1	200	--	--
40S 15 W	203	5	21	0.5	7100	--	--
40S 16 W	201	11	42	0.6	1180	--	--
40S 17 W	201	11	64	0.4	720	--	--
40S 18 W	203	11	148	0.4	1140	--	--
40S 19 W	201	18	134	0.4	1020	--	--
40S 20 W	201	11	152	0.2	920	--	--
40S 21 W	201	11	110	0.4	960	--	--
40S 22 W	203	6	44	0.5	1420	--	--
40S 23 W	201	12	355	0.2	960	--	--
40S 24 W	201	10	215	0.4	1740	--	--
40S 25 W	201	12	81	0.2	480	--	--
45S 00 BL	217	1	77	0.1	220	--	--
45S 01 E	217	1	300	0.1	100	--	--
45S 02 E	203	1	72	0.2	320	--	--
45S 03 E	217	1	90	0.2	100	--	--
45S 04 E	217	1	110	0.3	60	--	--
45S 05 E	217	2	105	0.2	200	--	--
45S 06 E	201	11	110	0.7	1000	--	--
45S 07 E	201	6	48	1.6	640	--	--
45S 08 E	217	1	90	0.2	360	--	--
45S 09 E	201	11	83	1.4	1600	--	--
45S 10 E	203	1	130	0.3	320	--	--

*Hart Bichler*

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MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211563-C06-  
INVOICE # : I8211563  
DATE : 30-JUN-82  
P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
45S 11 E	217	6	60	0.2	520	--	--
45S 12 E	217	12	103	0.3	680	--	--
45S 13 E	201	12	43	1.2	640	--	--
45S 14 E	217	4	27	0.9	640	--	--
45S 15 E	201	13	82	0.4	980	--	--
45S 16 E	201	18	114	0.8	1300	--	--
45S 17 E	201	20	125	0.8	1360	--	--
45S 18 E	201	18	133	1.0	1120	--	--
45S 19 E	201	2	118	0.5	520	--	--
45S 20 E	201	11	95	0.6	940	--	--
45S 21 E	201	5	165	0.5	500	--	--
45S 22 E	201	17	108	0.5	820	--	--
45S 23 E	201	13	72	0.1	500	--	--
45S 24 E	201	18	144	0.8	820	--	--
45S 25 E	217	1	162	0.2	200	--	--
45S 01 W	217	15	160	0.5	980	--	--
45S 02 W	217	2	40	0.4	760	--	--
45S 03 W	217	1	248	0.2	520	--	--
45S 04 W	217	1	252	0.4	700	--	--
45S 05 W	201	23	128	0.5	780	--	--
45S 06 W	201	23	162	0.6	740	--	--
45S 07 W	201	17	82	0.5	1000	--	--
50S 00 BL	201	15	102	0.7	1620	--	--
50S 01 E	201	3	43	0.3	920	--	--
50S 02 E	217	1	145	0.1	520	--	--
50S 03 E	217	1	85	0.2	260	--	--
50S 04 E	217	1	130	0.3	340	--	--
50S 05 E	201	14	83	0.5	1200	--	--
50S 06 E	217	1	26	0.6	720	--	--
50S 07 E	217	1	194	0.1	140	--	--
50S 08 E	201	1	33	0.3	660	--	--
50S 09 E	217	1	102	0.2	300	--	--
50S 10 E	217	1	130	0.2	220	--	--
50S 11 E	217	1	100	0.3	300	--	--
50S 12 E	201	6	60	0.7	800	--	--
50S 13 E	201	12	124	0.6	1200	--	--
50S 14 E	201	6	30	0.3	660	--	--
50S 15 E	201	26	172	1.0	1720	--	--
50S 16 E	201	16	115	0.5	860	--	--
50S 17 E	201	10	82	0.9	1180	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Bichler*



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211475-004-A  
INVOICE # : I8211475  
DATE : 25-JUN-82  
P.C. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
45S 14 W	201	4	71	0.2	1520	--	--
45S 15 W	201	9	103	0.1	1140	--	--
45S 16 W	201	9	54	0.8	1660	--	--
45S 17 W	201	24	105	0.4	1640	--	--
45S 18 W	201	12	84	0.1	1040	--	--
45S 19 W	201	12	45	0.1	920	--	--
45S 20 W	201	7	83	0.2	1340	--	--
45S 21 W	201	25	123	0.3	640	--	--
45S 22 W	201	16	295	0.5	>10000	--	--
45S 23 W	201	15	134	0.3	1480	--	--
45S 24 W	201	11	39	0.1	1000	--	--
45S 25 W	201	15	185	0.1	960	--	--
90N 00 BL	201	16	92	0.6	2000	--	--
90N 01 E	201	2	63	0.6	440	--	--
90N 02 E	217	2	144	0.1	700	--	--
90N 03 E	217	10	53	0.7	800	--	--
90N 04 E	201	9	57	0.3	860	--	--
90N 05 E	217	6	33	0.4	560	--	--
90N 06 E	217	9	53	0.6	620	--	--
90N 07 E	201	12	78	0.1	800	--	--
90N 08 E	201	9	45	0.1	640	--	--
90N 09 E	201	6	23	0.1	740	--	--
90N 10 E	217	1	9	0.1	200	--	--
90N 11 E	201	3	50	0.1	720	--	--
90N 12 E	201	9	87	0.2	720	--	--
90N 13 E	201	10	61	0.1	680	--	--
90N 14 E	201	8	32	0.2	800	--	--
90N 15 E	201	16	89	0.1	740	--	--
90N 16 E	217	15	135	1.4	1280	--	--
90N 17 E	201	10	37	0.2	660	--	--
90N 18 E	201	12	53	0.1	700	--	--
90N 19 E	201	20	85	0.1	640	--	--
90N 20 E	201	11	54	0.1	380	--	--
90N 21 E	201	2	8	0.1	160	--	--
90N 22 E	201	1	30	0.1	300	--	--
90N 23 E	201	6	21	0.1	620	--	--
90N 24 E	201	5	15	0.1	540	--	--
90N 25 E	217	4	82	1.3	740	--	--
90N 01 W	201	13	57	0.2	820	--	--
90N 02 W	201	9	30	0.2	700	--	--

*Hart Buchler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TC : UTAH MINES LIMITED

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

CERT. # : A8211473-001-A

INVOICE # : I8211473

DATE : 23-JUN-82

P.O. # : NONE

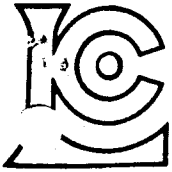
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
00 00 BL	201	27	82	0.6	1600	--	--
00 01 E	201	22	86	0.3	860	--	--
00 02 E	201	12	70	0.6	1640	--	--
00 03 E	203	10	64	0.2	800	--	--
00 04 E	203	10	58	0.1	600	--	--
00 05 E	201	12	101	0.3	980	--	--
00 06 E	201	16	80	0.3	1100	--	--
00 07 E	201	21	146	0.5	1460	--	--
00 08 E	201	21	136	0.5	1600	--	--
00 09 E	201	19	133	0.5	1100	--	--
00 10 E	201	20	114	0.6	1340	--	--
00 11 E	201	22	136	0.5	1800	--	--
00 12 E	201	23	128	0.7	1660	--	--
00 13 E	201	16	140	0.3	1340	--	--
00 14 E	203	2	56	0.1	980	--	--
00 15 E	217	3	80	0.1	800	--	--
00 16 E	217	4	58	0.3	1160	--	--
00 17 E	201	16	158	0.6	1500	--	--
00 18 E	201	22	164	0.8	1680	--	--
00 19 E	201	22	162	1.0	1380	--	--
00 20 E	201	18	98	0.8	840	--	--
00 21 E	217	11	182	0.1	300	--	--
00 22 E	201	19	144	0.4	1220	--	--
00 23 E	201	5	38	0.1	800	--	--
00 24 E	201	5	36	0.2	980	--	--
00 25 E	217	1	20	0.1	860	--	--
00 01 W	217	7	97	0.2	840	--	--
00 02 W	201	21	110	0.8	1180	--	--
00 03 W	201	23	66	0.3	590	--	--
00 04 W	201	16	78	0.6	1020	--	--
00 05 W	201	26	36	1.5	8500	--	--
00 06 W	201	18	121	0.4	1420	--	--
00 07 W	201	97	30	2.3	2000	--	--
00 08 W	201	21	100	0.5	1740	--	--
00 09 W	201	8	24	0.1	1100	--	--
00 10 W	201	22	112	0.8	1240	--	--
00 11 W	201	13	115	0.3	1020	--	--
00 12 W	201	15	97	0.2	1200	--	--
00 13 W	201	15	103	0.2	1880	--	--
00 14 W	201	16	142	0.1	1760	--	--



Certified by *Hank Buchler*



# 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. # : A8211473-002-A  
INVOICE # : I3211473  
DATE : 23-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

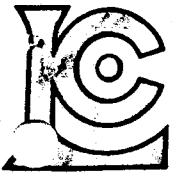
ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
00 15 W	201	10	260	0.4	1040	--	--
00 16 W	201	24	235	0.4	1440	--	--
00 17 W	201	11	16	0.1	1040	--	--
00 18 W	201	15	124	0.1	1260	--	--
00 19 W	201	20	147	0.1	1020	--	--
00 20 W	201	19	175	0.2	8100	--	--
00 21 W	201	23	128	0.1	1150	--	--
00 22 W	201	15	122	0.1	750	--	--
00 23 W	201	13	144	0.2	760	--	--
00 24 W	217	8	128	0.1	400	--	--
00 25 W	201	6	45	0.1	600	--	--
5N 00 BL	203	6	49	0.2	400	--	--
5N 01 E	203	2	200	0.3	840	--	--
5N 02 E	201	1	89	0.2	650	--	--
5N 03 E	201	1	126	0.1	490	--	--
5N 04 E	201	6	138	0.2	940	--	--
5N 05 E	203	3	175	0.1	180	--	--
5N 06 E	201	15	128	0.4	1020	--	--
5N 07 E	201	3	53	0.3	700	--	--
5N 08 E	203	1	142	0.2	640	--	--
5N 09 E	203	8	200	0.5	780	--	--
5N 10 E	217	10	138	0.4	640	--	--
5N 11 E	203	2	179	0.1	310	--	--
5N 12 E	203	5	110	0.5	790	--	--
5N 13 E	203	1	73	0.2	180	--	--
5N 14 E	201	17	142	0.6	1320	--	--
5N 15 E	201	20	142	0.9	1480	--	--
5N 16 E	217	2	112	0.1	440	--	--
5N 17 E	201	24	115	0.7	1140	--	--
5N 18 E	201	18	126	1.3	630	--	--
5N 01 W	201	19	56	0.4	1120	--	--
5N 02 W	201	23	74	0.6	1420	--	--
5N 03 W	217	2	29	0.4	660	--	--
5N 04 W	217	2	130	0.2	1000	--	--
5N 05 W	201	27	42	0.9	1350	--	--
5N 06 W	201	19	112	0.9	1700	--	--
5N 07 W	203	4	106	0.1	720	--	--
5N 08 W	217	1	122	0.2	530	--	--
5N 09 W	217	1	116	0.1	400	--	--
5N 10 W	203	1	97	0.1	610	--	--



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# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211473-003-A

INVOICE # : 18211473

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
5N 11 W	201	16	112	0.2	1220	--	--
5N 12 W	203	12	120	0.2	440	--	--
5N 13 W	201	10	42	0.1	630	--	--
5N 14 W	201	17	154	0.1	1800	--	--
5N 15 W	201	18	178	0.5	1360	--	--
5S 00 BL	201	2	182	0.2	510	--	--
5S 01 E	203	4	76	0.3	450	--	--
5S 02 E	201	17	85	0.5	960	--	--
5S 03 E	201	21	80	0.7	1070	--	--
5S 04 E	201	21	76	0.8	1020	--	--
5S 05 E	201	13	75	0.1	720	--	--
5S 06 E	201	7	186	0.3	820	--	--
5S 07 E	201	6	225	0.5	1000	--	--
5S 08 E	201	20	81	0.8	1500	--	--
5S 09 E	201	21	96	0.9	1660	--	--
5S 10 E	201	3	12	0.2	660	--	--
5S 11 E	201	2	56	0.1	600	--	--
5S 12 E	203	3	210	0.1	230	--	--
5S 13 E	201	11	166	0.4	940	--	--
5S 14 E	203	3	126	0.2	520	--	--
5S 15 E	201	21	126	0.8	1700	--	--
5S 16 E	201	23	141	0.7	1600	--	--
5S 17 E	201	15	108	0.3	2450	--	--
5S 18 E	201	33	270	0.6	1300	--	--
5S 19 E	201	20	128	0.4	1200	--	--
5S 20 E	201	7	136	0.3	1080	--	--
5S 21 E	201	2	168	0.5	930	--	--
5S 22 E	201	17	74	0.1	680	--	--
5S 23 E	203	3	38	0.2	670	--	--
5S 24 E	203	2	146	0.1	440	--	--
5S 25 E	201	18	142	0.5	1600	--	--
5S 01 W	217	2	62	0.1	440	--	--
5S 02 W	201	14	72	0.2	980	--	--
5S 03 W	201	16	96	0.2	1020	--	--
5S 04 W	201	33	74	1.4	1330	--	--
5S 05 W	201	25	19	1.0	1380	--	--
5S 06 W	201	21	100	1.0	1460	--	--
5S 07 W	201	27	49	1.2	1220	--	--
5S 08 W	201	32	42	1.1	2700	--	--
5S 09 W	201	12	71	0.2	1520	--	--



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# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211473-004-A

INVOICE # : 18211473

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
5S 10 W	201	20	118	0.3	1120	--	--
5S 11 W	201	15	64	0.4	1760	--	--
5S 12 W	201	16	116	0.3	1350	--	--
5S 13 W	201	20	136	0.2	880	--	--
5S 14 W	201	5	76	0.1	380	--	--
5S 15 W	201	9	63	0.1	1040	--	--
5S 16 W	201	32	186	0.1	1360	--	--
5S 17 W	201	10	84	0.3	1100	--	--
5S 18 W	201	12	93	0.3	1150	--	--
5S 19 W	201	12	48	0.1	800	--	--
5S 20 W	201	20	136	0.8	920	--	--
5S 21 W	201	15	54	0.1	660	--	--
5S 22 W	201	18	74	0.2	840	--	--
5S 23 W	201	10	48	0.1	640	--	--
5S 24 W	201	10	132	0.1	800	--	--
5S 25 W	201	13	144	0.4	750	--	--
10S 00 BL	203	6	156	0.1	690	--	--
10S 01 E	203	3	32	0.1	550	--	--
10S 02 E	201	20	118	0.8	340	--	--
10S 03 E	203	4	81	0.2	280	--	--
10S 04 E	203	5	92	0.2	490	--	--
10S 05 E	203	7	64	0.2	800	--	--
10S 06 E	203	2	82	0.1	80	--	--
10S 07 E	203	7	84	0.1	230	--	--
10S 08 E	203	6	82	0.2	620	--	--
10S 09 E	203	5	74	0.3	740	--	--
10S 10 E	203	3	90	0.3	420	--	--
10S 11 E	203	1	25	0.1	1080	--	--
10S 12 E	203	10	56	0.6	1130	--	--
10S 13 E	203	15	88	0.5	1580	--	--
10S 14 E	203	26	110	0.7	300	--	--
10S 16 E	201	8	34	0.8	400	--	--
10S 19 E	201	8	49	0.3	940	--	--
10S 20 E	203	10	38	1.4	760	--	--
10S 21 E	203	7	78	0.8	640	--	--
10S 22 E	203	17	44	0.7	830	--	--
10S 23 E	203	18	162	0.4	900	--	--
10S 24 E	203	14	74	0.3	130	--	--
10S 25 E	203	22	164	0.8	1540	--	--
10S 01 W	203	2	82	0.1	410	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hartwichler*



# 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. # : A8211473-005-A  
INVOICE # : 18211473  
DATE : 23-JUN-82  
P.C. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
10S 02 W	203	7	108	0.3	570	--	--
10S 03 W	203	3	76	0.5	800	--	--
10S 04 W	201	12	80	0.7	1180	--	--
10S 05 W	201	25	132	0.6	880	--	--
10S 06 W	201	25	120	1.0	1130	--	--
10S 07 W	201	26	98	0.9	1340	--	--
10S 08 W	201	20	78	0.7	1640	--	--
10S 09 W	217	1	26	0.3	760	--	--
10S 10 W	201	14	72	0.4	970	--	--
10S 11 W	201	19	104	0.3	1200	--	--
10S 12 W	201	12	73	0.5	1000	--	--
10S 13 W	201	14	83	0.3	1180	--	--
10S 14 W	203	8	70	0.4	640	--	--
10S 15 W	201	13	58	0.2	740	--	--
10S 16 W	203	4	57	0.2	380	--	--
10S 17 W	201	17	120	0.1	800	--	--
10S 18 W	201	13	80	0.3	660	--	--
10S 19 W	201	25	118	0.5	1180	--	--
10S 20 W	201	7	36	0.1	780	--	--
10S 22 W	201	18	80	0.1	1060	--	--
10S 23 W	217	15	68	0.5	1100	--	--
10S 24 W	201	19	92	0.4	1620	--	--
10S 25 W	201	20	100	0.2	670	--	--
15N 00 3L	201	27	94	0.8	1200	--	--
15N 01 E	201	20	124	0.5	1000	--	--
15N 02 E	203	6	72	0.2	940	--	--
15N 03 E	203	10	92	0.3	1080	--	--
15N 04 E	203	4	138	0.2	890	--	--
15N 05 E	203	17	114	0.5	1080	--	--
15N 06 E	201	8	32	0.3	780	--	--
15N 07 E	201	24	106	0.9	1750	--	--
15N 08 E	201	11	103	0.4	1100	--	--
15N 09 E	217	2	385	0.1	550	--	--
15N 10 E	201	19	108	0.7	1140	--	--
15N 12 E	203	14	160	0.5	920	--	--
15N 14 E	201	4	41	0.3	1120	--	--
15N 15 E	203	2	36	0.1	690	--	--
15N 16 E	203	9	35	1.0	1020	--	--
15N 17 E	217	2	210	0.6	1100	--	--
15N 18 E	203	12	69	0.3	1280	--	--



Certified by *Hart Bichler*.....



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211473-006-A

INVOICE # : 18211473

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
15N 19 E	201	18	72	0.3	1040	--	--
15N 20 E	201	9	98	0.2	1320	--	--
15N 21 E	201	1	34	0.6	700	--	--
15N 22 E	201	20	176	0.6	2650	--	--
15N 23 E	201	16	120	0.5	3000	Y	--
15N 24 E	201	12	113	0.6	1160	--	--
15N 25 E	203	2	64	0.2	520	--	--
15N 01 W	201	30	48	1.0	1000	--	--
15N 02 W	201	24	104	0.5	1000	--	--
15N 03 W	201	17	132	0.8	1330	--	--
15N 04 W	201	20	156	0.7	1240	--	--
15N 05 W	201	10	52	1.1	1540	--	--
15V 06 W	201	16	50	0.9	2700	--	--
15N 07 W	201	30	24	1.9 X	3850	Y	--
15N 08 W	201	14	96	0.8	1800	--	--
15N 09 W	201	13	108	0.4	1100	--	--
15N 10 W	217	8	119	0.2	1180	--	--
15N 11 W	201	15	44	0.6	1840	--	--
15N 12 W	201	10	92	0.5	1560	--	--
15N 13 W	201	20	60	1.2	1920	--	--
15N 14 W	201	15	174	0.4	1160	--	--
15N 15 W	201	8	92	0.4	860	--	--
15N 17 W	201	10	54	0.3	1900	--	--
15N 18 W	201	11	130	0.1	3650	X	--
15N 19 W	201	12	198	0.2	900	--	--
15N 21 W	201	6	108	0.2	650	--	--
15N 22 W	201	35	355	0.2	370	--	--
15N 23 W	201	17	140	0.1	690	--	--
15N 24 W	201	14	88	0.3	620	--	--
15N 25 W	201	20	315	0.1	690	--	--
15S 01 E	201	19	90	0.9	490	--	--
15S 02 E	217	7	62	0.2	320	--	--
15S 04 E	217	1	230	0.1	210	--	--
15S 05 E	217	1	8	0.1	230	--	--
15S 06 E	201	10	40	0.7	370	--	--
15S 07 E	201	16	86	0.7	640	--	--
15S 08 E	201	13	95	0.4	610	--	--
15S 09 E	217	2	88	0.2	210	--	--
15S 10 E	201	14	77	0.5	700	--	--
15S 11 E	201	18	132	0.6	1030	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211474-001-A

INVOICE # : I8211474

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
15S 12 E	217	5	38	0.3	560	--	--
15S 13 E	217	1	132	0.2	380	--	--
15S 14 E	201	13	138	0.6	720	--	--
15S 16 E	201	11	100	0.3	700	--	--
15S 17 E	201	6	162	0.2	640	--	--
15S 18 E	217	1	142	0.1	140	--	--
15S 19 E	217	1	108	0.1	160	--	--
15S 20 E	217	1	64	0.2	640	--	--
15S 22 E	201	18	92	0.8	860	--	--
15S 23 E	201	22	178	0.7	940	--	--
15S 24 E	201	11	18	0.6	900	--	--
15S 25 E	201	19	126	0.7	840	--	--
20N 00 BL	201	29	104	0.8	1500	--	--
20N 01 E	201	29	122	1.3	1340	--	--
20N 02 E	217	8	112	0.4	680	--	--
20N 03 E	217	1	84	0.1	300	--	--
20N 04 E	201	10	114	0.6	1560	--	--
20N 05 E	217	2	112	0.2	520	--	--
20N 06 E	217	1	134	0.1	400	--	--
20N 07 E	201	17	142	0.6	1320	--	--
20N 08 E	217	4	124	0.1	620	--	--
20N 09 E	217	1	215	0.3	640	--	--
20N 10 E	201	2	34	0.1	740	--	--
20N 11 E	201	4	98	0.6	1080	--	--
20N 12 E	201	3	52	0.4	580	--	--
20N 13 E	201	15	114	0.7	1340	--	--
20N 14 E	203	1	103	0.2	440	--	--
20N 15 E	203	15	86	0.6	1100	--	--
20N 16 E	201	3	78	0.4	680	--	--
20N 17 E	201	1	230	0.2	420	--	--
20N 18 E	203	2	73	0.5	580	--	--
20N 19 E	201	2	124	0.5	1340	--	--
20N 20 E	201	1	54	0.2	920	--	--
20N 21 E	201	10	52	1.3	840	--	--
20N 22 E	201	17	134	0.8	1800	--	--
20N 23 E	217	9	124	0.7	900	--	--
20N 24 E	203	2	38	0.3	680	--	--
20N 25 E	201	17	86	0.4	1180	--	--
20N 01 W	217	6	74	0.3	640	--	--
20N 02 W	201	24	116	0.9	2600	--	--

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TC : UTAH MINES LIMITED

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

CERT. # : A8211474-002-A

INVOICE # : I8211474

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
20N 03 W	217	2	84	0.1	420	--	--
20N 04 W	217	23	168	0.4	2400	--	--
20N 05 W	217	6	72	0.4	1160	--	--
20N 06 W	201	20	235	0.5	1220	--	--
20N 07 W	201	13	215	0.1	1440	--	--
20N 08 W	201	20	325	0.3	3250	*	--
20N 09 W	201	9	142	1.0	1460	--	--
20N 10 W	201	14	180	0.3	720	--	--
20N 11 W	217	2	126	0.1	420	--	--
20N 12 W	201	14	400	0.8	2700	--	--
20N 13 W	201	15	172	0.3	1700	--	--
20N 14 W	201	16	215	0.3	720	--	--
20N 15 W	201	14	164	0.1	680	--	--
20N 16 W	201	11	96	0.4	1440	--	--
20N 17 W	201	24	220	0.3	1080	--	--
20N 18 W	201	12	320	0.6	1360	--	--
20N 19 W	217	12	129	0.4	920	--	--
20N 20 W	217	7	194	0.2	1240	--	--
20N 21 W	201	9	196	0.2	960	--	--
20N 22 W	217	3	15	0.2	680	--	--
20N 23 W	217	4	47	0.1	520	--	--
20N 24 W	217	9	146	0.2	1000	--	--
20N 25 W	201	9	151	0.2	880	--	--
20S 00 BL	217	4	151	0.4	460	--	--
20S 01 E	217	3	12	0.2	300	--	--
20S 02 E	217	3	40	0.3	400	--	--
20S 03 E	217	1	154	0.1	120	--	--
20S 04 E	217	13	155	0.2	640	--	--
20S 05 E	217	3	96	0.2	320	--	--
20S 06 E	217	1	205	0.1	260	--	--
20S 07 E	217	2	99	0.4	340	--	--
20S 08 E	217	1	138	0.1	340	--	--
20S 09 E	217	1	157	0.1	360	--	--
20S 10 E	217	1	50	0.1	520	--	--
20S 11 E	201	9	61	0.2	360	--	--
20S 12 E	201	20	104	0.1	620	--	--
20S 13 E	217	1	164	0.1	220	--	--
20S 14 E	217	1	28	0.1	200	--	--
20S 15 E	217	1	26	0.3	220	--	--
20S 16 E	217	1	100	0.2	340	--	--



Certified by *Stuart Bichler*....



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211474-003-A

INVOICE # : I8211474

DATE : 23-JUN-82

P.O. # : NONE

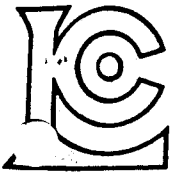
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
20S 17 E	201	17	99	0.5	720	--	--
20S 18 E	201	11	84	0.7	1060	--	--
20S 19 E	201	9	60	0.4	500	--	--
20S 20 E	201	17	86	0.7	600	--	--
20S 21 E	201	5	102	0.4	280	--	--
20S 22 E	201	16	58	0.7	540	--	--
20S 23 E	201	34	161	1.2	1000	--	--
20S 24 E	201	21	177	0.8	660	--	--
20S 25 E	201	6	124	0.4	380	--	--
25N 00 BL	201	35	58	1.3	1600	--	--
25N 01 E	201	19	157	1.2	1820	--	--
25N 02 E	217	5	60	0.3	1060	--	--
25N 03 E	217	10	79	0.6	1140	--	--
25N 04 E	217	2	56	0.2	760	--	--
25N 05 E	201	8	52	0.5	1440	--	--
25N 06 E	201	7	38	0.6	1080	--	--
25N 07 E	201	20	73	0.6	1900	--	--
25N 08 E	201	8	69	0.5	1220	--	--
25N 09 E	217	2	73	0.2	740	--	--
25N 10 E	217	15	72	0.6	1320	--	--
25N 11 E	217	5	81	0.2	640	--	--
25N 14 E	201	15	56	0.2	940	--	--
25N 15 E	201	15	48	0.4	1300	--	--
25N 16 E	201	1	52	0.4	840	--	--
25N 17 E	217	4	65	0.3	520	--	--
25N 18 E	201	6	45	0.2	840	--	--
25N 19 E	217	4	82	0.2	720	--	--
25N 20 E	217	20	79	0.2	780	--	--
25N 21 E	217	1	73	0.3	800	--	--
25N 22 E	201	12	35	0.4	840	--	--
25N 23 E	201	8	26	0.1	840	--	--
25N 24 E	201	15	177	0.3	1420	--	--
25N 25 E	201	9	42	0.5	1880	--	--
25N 01 W	201	17	84	0.8	1640	--	--
25N 02 W	201	29	39	1.9	2650	--	--
25N 03 W	201	32	42	2.4 *	1700	--	--
25N 04 W	201	28	48	0.2	1740	--	--
25N 05 W	201	50 *	19	2.2 *	1040	--	--
25N 06 W	201	38	58	0.9	1060	--	--
25N 07 W	201	20	82	0.5	1220	--	--



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# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211474-004-A

INVOICE # : I8211474

DATE : 23-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
25N 08 W	201	18	114	0.5	1640	--	--
25N 09 W	201	17	325	0.6	1460	--	--
25N 10 W	203	2	19	0.1	600	--	--
25N 11 W	201	4	74	0.2	720	--	--
25N 12 W	201	9	93	0.3	1000	--	--
25N 13 W	201	19	46	0.7	1830	--	--
25N 14 W	201	29	325	0.2	1420	--	--
25N 15 W	201	20	194	0.2	1200	--	--
25N 16 W A	203	1	9	0.1	200	--	--
25N 16 W B	201	4	47	0.2	380	--	--
25N 17 W	201	7	350	0.2	960	--	--
25N 18 W	201	13	156	0.6	1460	--	--
25N 19 W	201	17	195	0.7	5000	*	--
25N 20 W	201	17	300	0.8	7700	*	--
25N 21 W	201	14	440	0.8	7400	*	--
25N 22 W	201	12	142	0.9	2850	--	--
25N 23 W	201	12	99	0.3	1040	--	--
25N 24 W	201	12	138	0.3	1220	--	--
25N 25 W	201	23	940	0.4	700	--	--
25S 00 BL	201	17	182	0.6	1260	--	--
25S 01 E	201	15	187	0.2	1100	--	--
25S 02 E	203	17	470	0.7	1020	--	--
25S 03 E	201	15	60	0.6	900	--	--
25S 04 E	201	20	123	0.3	1580	--	--
25S 05 E	201	10	79	0.1	640	--	--
25S 06 E	201	8	85	0.3	720	--	--
25S 07 E	203	8	82	0.2	500	--	--
25S 08 E	201	14	86	0.2	680	--	--
25S 09 E	203	10	164	0.4	560	--	--
25S 10 E	201	5	41	0.1	680	--	--
25S 11 E	203	7	98	0.1	520	--	--
25S 12 E	201	12	82	0.1	680	--	--
25S 13 E	201	3	34	0.4	680	--	--
25S 14 E	203	1	620	0.1	980	--	--
25S 15 E	203	1	225	0.1	240	--	--
25S 16 E	201	12	76	0.1	640	--	--
25S 17 E	203	9	175	0.2	660	--	--
25S 18 E	201	14	71	0.2	600	--	--
25S 19 E	201	2	260	0.1	80	--	--
25S 20 E	201	11	81	0.1	840	--	--



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# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211474-005-A  
INVOICE # : I8211474  
DATE : 23-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

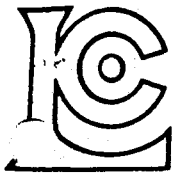
ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
25S 21 E	203	6	44	0.1	120	--	--
25S 22 E	201	13	80	0.4	620	--	--
25S 23 E	203	9	67	0.1	340	--	--
25S 24 E	201	12	93	0.2	920	--	--
25S 25 E	203	1	149	0.1	180	--	--
25S 01 W	203	3	130	0.1	80	--	--
25S 02 W	201	18	53	2.2	640	--	--
25S 03 W	201	17	69	2.2	660	--	--
25S 04 W	203	9	84	0.2	520	--	--
25S 05 W	201	12	60	0.5	1000	--	--
25S 06 W	201	13	45	0.1	960	--	--
25S 07 W	201	24	109	0.6	1560	--	--
25S 08 W	201	23	102	1.2	1280	--	--
25S 09 W	201	25	73	0.6	1340	--	--
25S 10 W	201	22	119	0.7	2700	--	--
25S 11 W	201	22	67	0.9	3750	--	--
25S 12 W	201	21	156	0.8	4700	--	--
25S 13 W	201	27	175	0.7	2000	--	--
25S 14 W	201	17	63	1.8	8300	--	--
25S 15 W	201	4	37	0.1	1260	--	--
25S 16 W	201	22	160	1.3	1920	--	--
25S 17 W	201	17	22	0.2	2500	--	--
25S 18 W	201	9	71	0.2	1440	--	--
25S 19 W	201	13	83	0.4	2800	--	--
25S 20 W	201	10	50	0.1	1620	--	--
25S 21 W	201	11	91	0.1	700	--	--
25S 22 W	201	9	26	0.1	920	--	--
25S 23 W	217	4	58	0.1	380	--	--
25S 24 W	201	15	1750	0.1	840	--	--
25S 25 W	201	24	185	0.2	700	--	--
30N 00 BL	201	28	42	1.1	1180	--	--
30N 01 E	203	3	92	0.1	580	--	--
30N 02 E	203	3	95	0.1	640	--	--
30N 03 E	201	22	83	0.2	1260	--	--
30N 04 E	201	14	54	0.2	1100	--	--
30N 05 E	217	7	30	0.5	700	--	--
30N 06 E	201	19	92	0.9	2500	--	--
30N 07 E	217	3	157	0.1	520	--	--
30N 08 E	203	3	82	0.2	960	--	--
30N 09 E	201	10	55	0.6	2000	--	--



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. # : A8211474-006-A  
INVOICE # : 18211474  
DATE : 23-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
30N 10 E	201	29	114	0.9	4800	✓	--
30N 11 E	201	20	80	0.4	1360		--
30N 12 E	201	13	44	0.1	920		--
30N 13 E	217	5	131	0.2	800		--
30N 14 E	201	9	33	0.2	960		--
30N 15 E	201	18	152	0.5	1940		--
30N 16 E	201	13	71	0.1	760		--
30N 17 E	201	16	130	0.5	1940		--
30N 18 E	201	5	175	0.2	780		--
30N 19 E	217	2	119	0.2	130		--
30N 20 E	217	1	87	0.1	100		--
30N 21 E	201	18	94	0.2	900		--
30N 22 E	217	1	100	0.1	260		--
30N 23 E	217	3	103	0.1	780		--
30N 24 E	217	2	175	0.1	820		--
30N 25 E	217	2	29	0.1	740		--
30N 01 W	201	34	21	1.6	1120		--
30N 02 W	201	44	21	1.2	1180		--
30N 03 W	201	27	76	0.9	1700		--
30N 04 W	201	25	111	0.5	2500		--
30N 05 W	201	27	30	0.5	1040		--
30N 06 W	217	3	52	0.1	360		--
30N 07 W	201	16	142	0.5	2450		--
30N 08 W	201	14	93	0.1	1800		--
30N 09 W	201	10	90	0.1	1140		--
30N 10 W	201	22	235	0.2	5250	✓	--
30N 11 W	217	3	76	0.1	240		--
30N 12 W	201	19	415	0.1	1460		--
30N 13 W	201	14	44	0.2	1080		--
30N 14 W	201	19	665	0.2	1160		--
30N 15 W	201	13	50	0.3	2500		--
30N 16 W	201	8	132	0.3	1540		--
30N 17 W	201	13	98	0.2	1300		--
30N 18 W	217	1	46	0.1	1820		--
30N 19 W	217	8	79	0.1	500		--
30N 20 W	201	16	135	0.1	1060		--
30N 21 W	201	21	140	0.1	1060		--
30N 22 W	217	2	54	0.5	640		--
30N 23 W	217	13	79	0.2	1640		--
30N 24 W	217	3	83	0.4	1920		--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211475-001-A

INVOICE # : 18211475

DATE : 25-JUN-82

P.C. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
30N 25 W	217	20	255	0.2	1160	--	--
30S 01 E	217	2	96	0.1	240	--	--
30S 02 E	217	2	79	0.1	100	--	--
30S 03 E	217	2	66	0.1	260	--	--
30S 04 E	217	3	102	0.1	520	--	--
30S 05 E	203	1	30	0.1	360	--	--
30S 06 E	217	1	103	0.1	340	--	--
30S 07 E	217	1	127	0.1	30	--	--
30S 08 E	203	8	63	0.4	600	--	--
30S 09 E	217	2	95	0.1	140	--	--
30S 10 E	217	1	83	0.1	100	--	--
30S 11 E	217	4	161	0.1	260	--	--
30S 12 E	203	14	108	0.2	1120	--	--
30S 13 E	217	3	85	0.1	160	--	--
30S 14 E	217	2	172	0.1	200	--	--
30S 15 E	217	1	63	0.1	80	--	--
30S 16 E	217	1	115	0.1	240	--	--
30S 17 E	217	2	113	0.1	220	--	--
30S 18 E	217	3	123	0.1	300	--	--
30S 19 E	217	2	93	0.1	340	--	--
30S 20 E	203	9	128	0.1	580	--	--
30S 21 E	217	4	106	0.1	220	--	--
30S 22 E	217	2	104	0.1	540	--	--
30S 23 E	217	2	140	0.1	280	--	--
30S 24 E	217	3	158	0.1	380	--	--
30S 25 E	217	1	67	0.1	900	--	--
35N 00 BL	217	6	93	0.1	940	--	--
35N 01 E	217	24	126	1.2	1380	--	--
35N 02 E	217	10	25	0.6	1020	--	--
35N 03 E	217	20	117	0.6	1440	--	--
35N 04 E	217	5	71	0.1	460	--	--
35N 05 E	203	22	75	0.2	1400	--	--
35N 06 E	203	15	42	0.2	1260	--	--
35N 07 E	217	11	174	0.1	880	--	--
35N 08 E	217	4	57	0.1	640	--	--
35N 10 E	217	17	94	0.3	1600	--	--
35N 12 E	217	6	106	0.1	800	--	--
35N 15 E	217	20	131	0.4	2000	--	--
35N 16 E	217	4	26	1.4	620	--	--
35N 17 E	217	2	74	0.1	700	--	--

*Hart Bichler*

Certified by .....





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TC : UTAH MINES LIMITED

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

CERT. # : A8211475-002-A

INVOICE # : 18211475

DATE : 25-JUN-82

P.O. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
35N 18 E	203	1	106	0.1	500	--	--
35N 19 E	217	2	230	0.1	700	--	--
35N 20 E	201	12	79	0.1	1460	--	--
35N 21 E	201	26	115	0.1	1260	--	--
35N 22 E	203	3	215	0.1	660	--	--
35N 23 E	201	21	40	0.5	2400	--	--
35N 24 E	201	14	193	0.1	3850	--	--
35N 25 E	201	60	305	0.1	880	--	--
35N 01 W	201	30	98	0.7	3000	--	--
35N 02 W	201	36	12	0.7	900	--	--
35N 03 W	201	30	49	0.3	760	--	--
35N 04 W	201	32	42	0.6	960	--	--
35N 05 W	201	30	112	0.5	1400	--	--
35N 06 W	201	15	79	0.5	1880	--	--
35N 07 W	201	16	94	0.6	5900	--	--
35N 08 W	201	14	90	0.3	2700	--	--
35N 10 W	201	8	104	0.2	2650	--	--
35N 11 W	201	10	27	0.4	1200	--	--
35N 12 W	201	21	153	0.3	3850	--	--
35N 13 W	201	10	83	0.3	1140	--	--
35N 14 W	201	16	260	0.2	1260	--	--
35N 15 W	201	28	210	0.2	1920	--	--
35N 16 W	201	5	87	0.3	740	--	--
35N 17 W	201	5	34	0.2	920	--	--
35N 18 W	201	26	195	0.1	2100	--	--
35N 19 W	201	20	144	0.4	1560	--	--
35N 20 W	201	6	49	0.2	340	--	--
35N 21 W	201	14	91	0.1	720	--	--
35N 22 W	201	8	127	0.9	1260	--	--
35N 23 W	201	6	228	0.4	1080	--	--
35N 24 W	201	6	93	0.3	160	--	--
35N 25 W	201	30	147	0.3	1200	--	--
35S 01 E	203	4	135	0.1	200	--	--
35S 02 E	201	18	110	0.6	1380	--	--
35S 03 E	203	3	98	0.4	160	--	--
35S 04 E	217	2	59	0.2	80	--	--
35S 05 E	203	2	215	0.1	280	--	--
35S 06 E	203	8	93	0.3	580	--	--
35S 07 E	217	1	54	0.1	100	--	--
35S 08 E	217	2	138	0.2	120	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

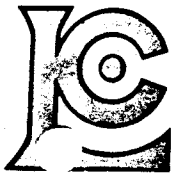
CERT. # : A8211475-C03-A  
INVOICE # : 18211475  
DATE : 25-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
35S 09 E	201	20	143	0.7	1000	--	--
35S 10 E	203	9	76	0.6	700	--	--
35S 11 E	201	23	129	1.0	1420	--	--
35S 12 E	217	2	72	0.1	200	--	--
35S 13 E	217	3	70	0.1	120	--	--
35S 14 E	201	3	123	0.2	380	--	--
35S 15 E	217	7	76	0.2	560	--	--
35S 16 E	217	2	108	0.1	160	--	--
35S 17 E	217	1	235	0.2	400	--	--
35S 18 E	217	2	74	0.4	380	--	--
35S 19 E	217	1	70	0.2	220	--	--
35S 20 E	217	1	14	0.3	280	--	--
35S 21 E	201	20	60	0.5	460	--	--
35S 22 E	201	21	103	0.8	860	--	--
35S 23 E	217	1	87	0.3	140	--	--
35S 24 E	201	18	98	0.1	540	--	--
35S 25 E	217	2	139	0.1	120	--	--
35S 09 W	201	21	105	0.3	940	--	--
35S 10 W	201	18	82	0.2	860	--	--
35S 11 W	201	19	78	0.7	1260	--	--
35S 12 W	201	27	127	1.3	2000	--	--
35S 13 W	201	26	35	0.9	1500	--	--
35S 14 W	201	23	59	0.5	1800	--	--
35S 15 W	201	16	92	0.4	1180	--	--
35S 16 W	201	3	18	0.1	760	--	--
35S 17 W	201	21	142	0.9	960	--	--
35S 18 W	201	12	72	0.2	820	--	--
35S 19 W	201	12	61	0.1	840	--	--
35S 20 W	201	15	126	1.0	1800	--	--
35S 21 W	201	11	590	0.1	1040	--	--
35S 22 W	201	44	124	0.2	1100	--	--
35S 23 W	201	46	2050	0.8	2000	--	--
35S 24 W	201	16	115	0.2	720	--	--
35S 25 W	201	12	131	0.1	900	--	--
45S 08 W	203	29	66	1.4	1260	--	--
45S 09 W	217	4	137	0.1	700	--	--
45S 10 W	201	22	151	0.7	1560	--	--
45S 11 W	217	3	58	0.1	1140	--	--
45S 12 W	217	8	24	0.2	860	--	--
45S 13 W	201	24	18	0.5	2000	--	--



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
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 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS
-------------------------

TO : UTAH MINES LIMITED

CERT. # : A8211366-001-A  
 INVOICE # : I8211366  
 DATE : 15-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

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

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
40N 00BL	201	31	63	1.0	1820	--	--
40N 1 E	201	18	55	0.2	2650	--	--
40N 2 E	201	20	66	0.1	1500	--	--
40N 3 E	201	19	125	0.1	1600	--	--
40N 4 E	201	17	113	0.1	1500	--	--
40N 5 E	201	17	75	0.1	1020	--	--
40N 6 E	201	18	115	0.1	620	--	--
40N 8 E	201	19	152	0.1	1050	--	--
40N 9 E	201	23	210	1.0	2000	--	--
40N 10 E	201	2	63	0.1	820	--	--
40N 11 E	201	9	125	0.3	1540	--	--
40N 12 E	201	12	139	0.9	1300	--	--
40N 13 E	201	5	64	1.2	940	--	--
40N 14 E	201	13	107	0.1	880	--	--
40N 15 E	201	23	115	0.7	1000	--	--
40N 17 E	201	17	70	0.1	340	--	--
40N 18 E	201	5	59	0.1	720	--	--
40N 19 E	201	11	48	0.4	700	--	--
40N 20 E	201	17	75	0.2	900	--	--
40N 21 E	201	11	65	0.1	1040	--	--
40N 22 E	201	25	63	1.4	980	--	--
40N 23 E	201	27	49	1.2	960	--	--
40N 24 E	201	34	76	2.5	620	--	--
40N 25 E	201	14	137	0.1	2550	--	--
40N 1 W	201	21	48	2.0	1100	--	--
40N 2 W	201	37	93	1.1	720	--	--
40N 3 W	201	25	100	1.0	1860	--	--
40N 4 W	201	22	100	0.9	2100	--	--
40N 5 W	201	20	84	0.4	1540	--	--
40N 7 W	203	4	135	0.4	960	--	--
40N 10 W	203	6	190	0.4	580	--	--
40N 11 W	203	2	270	0.1	860	--	--
40N 12 W	201	10	94	0.1	1040	--	--
40N 13 W	203	3	284	0.1	1160	--	--
40N 14 W	201	12	230	0.5	2050	--	--
40N 15 W	201	11	73	0.1	2000	--	--
40N 16 W	201	13	75	0.1	1240	--	--
40N 17 W	201	9	54	0.1	1020	--	--
40N 18 W	201	13	67	0.1	940	--	--
40N 19 W	201	10	80	0.1	1450	--	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
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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.  
 V6F 3S7

CERT. # : A3211365-002-A  
 INVOICE # : 18211365  
 DATE : 15-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
40N 20 W	201	14	86	0.1	760	--	--
40N 21 W	201	12	253	0.1	1320	--	--
40N 22 W	201	10	185	0.1	1140	--	--
40N 23 W	201	3	82	0.1	740	--	--
40N 24 W	201	15	70	0.1	700	--	--
40N 25 W	201	19	135	0.5	860	--	--
45N 00BL	203	1	93	0.1	220	--	--
45N 1 E	203	1	140	0.1	160	--	--
45N 2 E	201	20	125	0.3	1560	--	--
45N 3 E	201	16	104	0.2	2350	--	--
45N 4 E	203	1	94	0.1	230	--	--
45N 8 E	201	1	92	0.1	500	--	--
45N 11 E	201	11	63	0.1	760	--	--
45N 12 E	201	8	60	0.1	700	--	--
45N 13 E	203	1	40	0.1	160	--	--
45N 14 E	201	1	42	0.4	300	--	--
45N 17 E	201	7	135	1.4	1240	--	--
45N 18 E	201	11	95	0.1	930	--	--
45N 20 E	201	7	52	0.1	800	--	--
45N 21 E	201	2	58	0.1	320	--	--
45N 22 E	203	3	30	0.2	980	--	--
45N 23 E	201	1	180	0.1	360	--	--
45N 24 E	201	2	135	0.1	680	--	--
45N 25 E	203	1	300	0.1	340	--	--
45N 1 W	203	1	150	0.1	300	--	--
45N 2 W	203	1	62	0.1	200	--	--
45N 3 W	201	17	85	0.1	2000	--	--
45N 4 W	201	15	90	0.1	2350	--	--
45N 5 W	201	20	91	0.5	1960	--	--
45N 6 W	201	20	75	0.1	1540	--	--
45N 7 W	203	1	55	0.1	480	--	--
45N 8 W	201	16	60	0.1	1080	--	--
45N 9 W	201	9	73	0.1	2000	--	--
45N 10 W	201	17	70	0.1	1440	--	--
45N 11 W	203	1	90	0.1	660	--	--
45N 12 W	201	30	145	0.7	3400	--	--
45N 13 W	201	6	160	0.1	1300	--	--
45N 14 W	201	9	107	0.1	1740	--	--
45N 15 W	201	15	140	0.1	1850	--	--
45N 16 W	201	5	117	0.1	1060	--	--

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 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. # : AS211366-003-A  
 INVOICE # : 13211366  
 DATE : 15-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

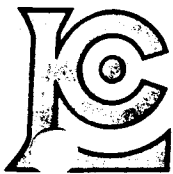
ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
45N 17 W	201	7	81	0.1	4450	--	--
45N 18 W	201	14	290	0.1	1940	--	--
45N 19 W	203	8	70	0.1	760	--	--
45N 20 W	201	15	74	0.1	8500	--	--
45N 21 W	201	35	105	0.1	4500	--	--
45N 22 W	201	15	200	0.1	720	--	--
45N 23 W	201	9	75	0.1	860	--	--
45N 24 W	201	11	56	0.1	1340	--	--
45N 25 W	201	15	130	0.1	1160	--	--
50N 1 E	203	1	93	0.1	980	--	--
50N 2 E	201	12	164	0.1	1600	--	--
50N 3 E	203	2	130	0.1	880	--	--
50N 4 E	201	10	70	0.1	960	--	--
50N 5 E	203	3	165	0.1	360	--	--
50N 6 E	201	4	76	0.1	240	--	--
50N 7 E	201	2	50	0.1	980	--	--
50N 8 E	203	1	63	0.1	640	--	--
50N 9 E	203	2	140	0.1	1260	--	--
50N 10 E	203	1	54	0.1	440	--	--
50N 11 E	203	1	51	0.1	620	--	--
50N 12 E	201	1	25	0.1	760	--	--
50N 13 E	201	8	37	0.1	300	--	--
50N 14 E	201	5	28	0.1	720	--	--
50N 15 E	201	1	143	0.1	640	--	--
50N 16 E	203	7	86	2.1	1080	--	--
50N 17 E	201	3	24	0.6	700	--	--
50N 18 E	203	2	150	0.1	660	--	--
50N 19 E	203	3	72	0.1	480	--	--
50N 20 E	201	5	110	0.8	860	--	--
50N 21 E	203	2	86	0.1	340	--	--
50N 22 E	203	1	51	0.1	620	--	--
50N 23 E	201	8	30	0.1	640	--	--
50N 24 E	203	1	38	1.3	640	--	--
50N 25 E	201	19	120	0.5	1140	--	--
50N 1 W	201	1	85	0.2	1180	--	--
50N 2 W	201	17	93	0.1	1900	--	--
50N 3 W	201	19	62	0.1	1140	--	--
50N 4 W	203	8	36	0.1	620	--	--
50N 5 W	201	22	52	0.6	1060	--	--
50N 6 W	203	3	75	0.1	940	--	--

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TELEX: 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

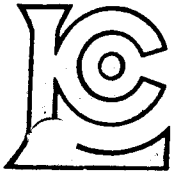
CERT. # : A8211366-004-A  
INVOICE # : I8211366  
DATE : 15-JUN-32  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Po ppm	Zn ppm	Ag ppm	3a ppm		
50N 7 W	201	3	52	0.1	820	--	--
50N 8 W	201	13	122	0.3	1580	--	--
50N 9 W	201	6	84	0.1	1090	--	--
50N 10 W	201	10	50	1.0	1200	--	--
50N 11 W	201	8	92	0.1	1160	--	--
50N 12 W	201	14	87	0.1	1060	--	--
50N 13 W	201	12	15	0.1	1040	--	--
50N 15 W	201	16	495	0.6	2200	--	--
50N 16 W	201	16	355	0.1	1390	--	--
50N 17 W	201	12	238	0.4	2350	--	--
50N 18 W	201	10	230	0.2	1020	--	--
50N 19 W	201	19	168	0.1	1900	--	--
50N 20 W	201	23	160	0.1	1820	--	--
50N 21 W	201	9	50	0.1	3000	--	--
50N 22 W	201	14	86	0.6	2000	--	--
50N 23 W	201	13	174	0.6	1780	--	--
50N 24 W	201	12	128	0.2	2400	--	--
50N 25 W	201	15	104	0.1	1490	--	--
55N 003L	201	10	53	0.5	1020	--	--
55N 1 E	201	7	47	0.1	960	--	--
55N 2 E	201	19	163	0.1	2000	--	--
55N 3 E	201	19	190	0.1	1840	--	--
55N 4 E	203	16	178	0.2	1860	--	--
55N 5 E	201	14	100	0.1	1100	--	--
55N 6 E	201	9	66	0.1	1760	--	--
55N 7 E	201	14	130	0.1	2050	--	--
55N 8 E	203	6	93	0.1	1100	--	--
55N 9 E	201	13	55	0.1	900	--	--
55N 10 E	203	2	33	0.1	320	--	--
55N 11 E	201	6	79	0.1	880	--	--
55N 12 E	201	5	33	0.1	720	--	--
55N 13 E	203	5	92	0.1	1000	--	--
55N 14 E	203	1	65	1.0	420	--	--
55N 15 E	203	6	42	1.1	680	--	--
55N 16 E	201	18	82	0.1	720	--	--
55N 17 E	201	15	74	0.6	960	--	--
55N 18 E	201	15	164	0.1	1000	--	--
55N 19 E	201	10	55	0.1	700	--	--
55N 20 E	201	4	77	1.5	1000	--	--
55N 21 E	201	10	70	0.1	1000	--	--



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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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. # : A8211365-005-A  
 INVOICE # : 18211366  
 DATE : 15-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

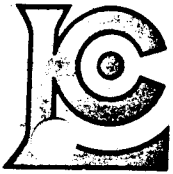
ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
55N 22 E	203	1	47	0.1	240	--	--
55N 23 E	201	17	75	0.1	600	--	--
55N 24 E	201	19	37	0.2	620	--	--
55N 25 E	201	13	25	0.1	640	--	--
55N 1 W	201	12	84	0.1	2250	--	--
55N 2 W	201	8	49	0.1	630	--	--
55N 3 W	201	15	102	0.1	360	--	--
55N 4 W	201	13	79	0.1	900	--	--
55N 5 W	201	19	66	0.5	1420	--	--
55N 6 W	201	34	82	1.6	1520	--	--
55N 7 W	201	17	105	0.3	1500	--	--
55N 8 W	201	12	85	0.1	1040	--	--
55N 9 W	203	1	52	0.1	660	--	--
55N 10 W	201	19	176	0.7	2800	--	--
55N 11 W	201	9	104	0.1	1140	--	--
55N 15 W	201	14	85	0.1	1000	--	--
55N 17 W	201	20	193	0.1	1040	--	--
55N 18 W	201	1	220	0.1	860	--	--
55N 19 W	201	10	90	0.1	820	--	--
55N 20 W	201	12	75	0.1	1020	--	--
55N 21 W	201	13	158	0.1	1780	--	--
55N 22 W	201	12	190	0.1	1260	--	--
55N 23 W	201	6	310	0.1	1040	--	--
55N 24 W	201	17	475	0.1	1180	--	--
55N 25 W	201	9	66	0.1	1140	--	--
60N 00 BL	203	1	155	0.1	640	--	--
60N 1 E	201	12	114	0.1	1460	--	--
60N 2 E	203	1	60	0.1	620	--	--
60N 3 E	203	4	185	0.1	1120	--	--
60N 4 E	201	9	82	0.1	1540	--	--
60N 5 E	203	5	65	0.1	800	--	--
60N 6 E	201	1	42	0.1	220	--	--
60N 7 E	201	14	110	0.1	1600	--	--
60N 8 E	201	8	96	0.1	1160	--	--
60N 9 E	203	1	66	0.1	620	--	--
60N 10 E	203	1	84	0.1	420	--	--
60N 11 E	203	1	57	0.1	320	--	--
60N 12 E	201	13	70	0.1	960	--	--
60N 13 E	201	22	120	0.7	1300	--	--
60N 14 E	203	3	84	0.1	620	--	--

*Hart Buchler*

Certified by .....





# 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

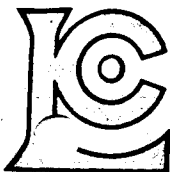
CERT. # : A8211366-005-A  
 INVOICE # : I8211365  
 DATE : 15-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
60N 15 E	203	5	55	0.1	300	--	--
60N 16 E	201	13	67	0.1	440	--	--
60N 17 E	201	13	46	0.1	1220	--	--
60N 18 E	203	1	88	0.1	360	--	--
60N 19 E	201	1	99	0.1	660	--	--
60N 20 E	203	1	54	0.1	700	--	--
60N 21 E	201	12	59	0.1	400	--	--
60N 22 E	201	14	82	0.1	1160	--	--
60N 23 E	201	8	44	0.1	820	--	--
60N 24 E	203	4	84	0.1	620	--	--
60N 25 E	203	1	44	0.1	880	--	--
60N 1 W	203	5	71	0.1	700	--	--
60N 3 W	203	2	19	0.1	460	--	--
60N 4 W	201	10	53	0.1	1440	--	--
60N 6 W	203	3	94	0.2	1160	--	--
60N 7 W	203	1	83	0.1	1240	--	--
60N 8 W	203	1	62	0.1	300	--	--
60N 9 W	203	1	145	0.1	300	--	--
60N 10 W	201	8	77	0.1	1130	--	--
60N 11 W	203	1	153	0.1	500	--	--
60N 12 W	203	5	135	0.1	720	--	--
60N 14 W	203	8	98	0.1	1400	--	--
60N 15 W	203	1	61	0.1	440	--	--
60N 16 W	203	3	43	0.2	760	--	--
60N 17 W	203	1	70	0.1	820	--	--
60N 18 W	201	5	90	0.1	1260	--	--
60N 19 W	201	13	200	0.1	1100	--	--
60N 20 W	201	8	100	0.1	1140	--	--
60N 21 W	201	6	115	0.1	1220	--	--
60N 22 W	203	3	63	0.1	860	--	--
60N 23 W	201	10	230	0.1	820	--	--
60N 24 W	203	1	93	0.1	1000	--	--
60N 25 W	201	27	480	0.1	1000	--	--
65N 1 E	203	1	152	0.1	700	--	--
65N 2 E	203	1	172	0.1	600	--	--
65N 3 E	203	1	52	0.1	1040	--	--
65N 4 E	203	1	132	0.1	380	--	--
65N 5 E	203	1	200	0.1	600	--	--
65N 6 E	203	1	98	0.1	420	--	--
65N 7 E	203	1	52	0.1	540	--	--

Certified by *Hart Buchler*





# 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

<b>CERTIFICATE OF ANALYSIS</b>
--------------------------------

TO : UTAH MINES LIMITED

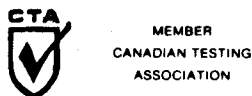
1600 - 1050 WEST PENDER STREET  
 VANCOUVER, B.C.  
 V6E 3S7

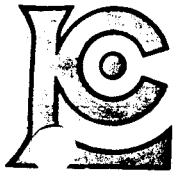
CERT. # : A8211367-001-A  
 INVOICE # : I8211367  
 DATE : 16-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
65N 8 E	201	8	105	0.5	160	--	--
65N 9 E	203	2	60	0.1	300	--	--
65N 10 E	203	2	35	0.1	220	--	--
65N 11 E	203	3	45	0.1	120	--	--
65N 12 E	201	6	15	0.6	860	--	--
65N 13 E	201	25	20	0.9	1260	--	--
65N 14 E	203	13	110	0.6	2000	--	--
65N 15 E	203	7	40	0.2	400	--	--
65N 16 E	201	24	80	0.4	840	--	--
65N 17 E	201	15	40	1.2	1040	--	--
65N 18 E	201	17	45	0.5	840	--	--
65N 19 E	201	30	40	0.5	800	--	--
65N 20 E	201	13	50	0.5	720	--	--
65N 21 E	201	19	70	0.2	600	--	--
65N 22 E	203	1	75	0.1	160	--	--
65N 23 E	203	4	30	0.5	400	--	--
65N 24 E	203	3	50	0.2	400	--	--
65N 25 E	203	4	50	0.2	1400	--	--
65N 1 W	203	6	120	0.1	640	--	--
65N 2 W	203	2	150	0.1	100	--	--
65N 3 W	203	1	45	0.1	240	--	--
65N 4 W	203	3	150	0.1	460	--	--
65N 5 W	203	1	50	0.1	40	--	--
65N 7 W	203	5	65	0.1	980	--	--
65N 9 W	203	2	90	0.2	640	--	--
65N 10 W	201	7	55	0.2	700	--	--
65N 11 W	201	15	90	0.8	2000	--	--
65N 12 W	201	14	35	0.6	800	--	--
65N 13 W	203	5	45	0.1	520	--	--
65N 14 W	201	15	105	0.4	2800	--	--
65N 15 W	201	17	110	0.1	920	--	--
65N 16 W	203	2	90	0.1	640	--	--
65N 17 W	203	2	95	0.1	640	--	--
65N 18 W	203	3	85	0.1	1380	--	--
65N 19 W	201	20	420	0.2	1420	--	--
65N 20 W	203	4	60	0.1	700	--	--
65N 21 W	201	9	105	0.2	1220	--	--
65N 22 W	203	4	60	0.1	640	--	--
65N 23 W	203	30	415	0.4	1680	--	--
65N 24 W	203	2	170	0.1	560	--	--

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TO : UTAH MINES LIMITED

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

CERT. # : A8211367-002-A  
 INVOICE # : 18211367  
 DATE : 16-JUN-82  
 P.O. # : NONE  
 SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
65N 25 W	203	1	130	0.1	520	--	--
70N 00 BL	201	20	60	0.3	1140	--	--
70N 1 E	203	6	30	0.5	420	--	--
70N 2 E	201	17	60	0.6	1440	--	--
70N 3 E	201	19	85	0.6	1780	--	--
70N 4 E	201	14	60	0.3	1060	--	--
70N 5 E	203	20	30	0.8	4350	--	--
70N 6 E	201	10	50	0.4	1240	--	--
70N 7 E	203	4	75	0.3	520	--	--
70N 8 E	201	16	120	0.5	1500	--	--
70N 9 E	201	25	70	0.6	1760	--	--
70N 10 E	201	19	50	1.8	1880	--	--
70N 11 E	203	6	65	0.5	1040	--	--
70N 12 E	201	23	35	0.5	840	--	--
70N 13 E	201	16	215	0.4	1100	--	--
70N 14 E	201	19	45	0.4	660	--	--
70N 15 E	201	16	35	0.5	760	--	--
70N 16 E	201	5	20	0.7	890	--	--
70N 17 E	201	2	40	0.5	720	--	--
70N 18 E	201	13	50	0.2	980	--	--
70N 19 E	201	1	70	0.3	1740	--	--
70N 20 E	201	23	120	0.6	1840	--	--
70N 21 E	201	28	70	1.2	1300	--	--
70N 22 E	201	21	35	0.7	1000	--	--
70N 23 E	201	19	35	3.3	1280	--	--
70N 24 E	201	20	235	0.5	1540	--	--
70N 25 E	203	2	35	0.6	300	--	--
70N 1 W	201	27	85	0.7	1540	--	--
70N 2 W	201	25	70	0.7	1620	--	--
70N 3 W	201	27	190	0.5	1940	--	--
70N 5 W	201	16	85	0.4	1940	--	--
70N 6 W	203	10	100	1.8	1620	--	--
70N 7 W	201	12	620	2.4	2000	--	--
70N 8 W	201	14	70	0.7	1620	--	--
70N 9 W	201	13	105	0.7	2000	--	--
70N 10 W	201	10	50	0.1	940	--	--
70N 11 W	201	9	100	0.2	1360	--	--
70N 12 W	203	3	55	0.2	600	--	--
70N 13 W	203	2	60	0.2	280	--	--
70N 14 W	201	32	220	0.8	3850	--	--

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212 BROOKSBANK AVE  
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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

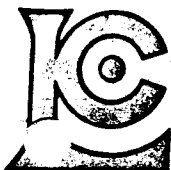
CERT. # : A8211367-003-A  
INVOICE # : 18211367  
DATE : 16-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
70N 15 W	201	41	190	0.5	2400	--	--
70N 16 W	201	22	110	0.2	920	--	--
70N 17 W	203	2	115	0.2	280	--	--
70N 18 W	203	2	65	0.1	140	--	--
70N 19 W	203	3	75	0.1	320	--	--
70N 20 W	201	45	230	0.1	1900	--	--
70N 21 W	201	16	110	0.4	1760	--	--
70N 22 W	201	36	440	0.4	4000	--	--
70N 23 W	201	17	105	0.2	1220	--	--
70N 24 W	201	15	90	0.1	760	--	--
70N 25 W	201	13	85	0.3	700	--	--
75N 00 BL	201	20	50	0.5	1280	--	--
75N 1 E	201	15	40	0.1	1060	--	--
75N 2 E	201	19	40	0.5	1300	--	--
75N 3 E	201	28	100	0.2	920	--	--
75N 4 E	201	16	40	0.2	960	--	--
75N 5 E	203	2	35	0.4	540	--	--
75N 6 E	203	1	45	0.2	260	--	--
75N 7 E	203	7	40	0.4	640	--	--
75N 8 E	203	2	35	0.1	260	--	--
75N 9 E	203	10	90	0.4	960	--	--
75N 10 E	201	9	85	0.1	840	--	--
75N 11 E	201	16	55	0.1	720	--	--
75N 12 E	201	2	25	0.1	340	--	--
75N 13 E	201	17	185	0.1	1420	--	--
75N 14 E	201	12	60	1.2	940	--	--
75N 15 E	201	20	120	0.3	820	--	--
75N 16 E	201	16	65	0.1	660	--	--
75N 17 E	203	6	70	0.3	500	--	--
75N 18 E	201	16	40	0.4	840	--	--
75N 19 E	201	11	35	0.6	920	--	--
75N 20 E	201	16	50	0.2	1060	--	--
75N 21 E	203	2	40	0.1	220	--	--
75N 22 E	201	11	80	0.7	860	--	--
75N 23 E	201	9	115	0.4	860	--	--
75N 24 E	201	6	60	0.5	800	--	--
75N 25 E	201	14	85	0.4	980	--	--
75N 1 W	201	26	55	0.6	1100	--	--
75N 2 W	201	23	30	0.9	1460	--	--
75N 3 W	201	24	20	0.7	880	--	--

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TO : UTAH MINES LIMITED

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

CERT. # : A8211367-004-A  
INVOICE # : I8211367  
DATE : 16-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
75N 4 W	201	19	30	0.6	700	--	--
75N 5 W	201	25	35	0.4	960	--	--
75N 6 W	201	30	60	0.8	1280	--	--
75N 7 W	201	22	20	0.5	1120	--	--
75N 8 W	201	26	30	1.1	1740	--	--
75N 9 W	201	19	45	0.6	2900	--	--
75N 10 W	201	16	25	0.5	4250	--	--
75N 11 W	201	15	50	0.6	4250	--	--
75N 12 W	201	13	45	0.2	3100	--	--
75N 13 W	201	13	50	0.6	1740	--	--
75N 14 W	201	11	30	0.1	1720	--	--
75N 15 W	201	9	30	0.2	1500	--	--
75N 16 W	203	3	140	0.1	920	--	--
75N 17 W	201	11	60	0.2	1040	--	--
75N 18 W	201	11	70	0.1	1000	--	--
75N 19 W	201	16	155	0.1	1700	--	--
75N 20 W	201	14	95	0.1	1160	--	--
75N 21 W	201	32	260	0.1	4300	--	--
75N 22 W	203	3	150	0.1	1200	--	--
75N 23 W	201	11	95	0.4	2700	--	--
75N 24 W	201	16	130	0.4	1840	--	--
75N 25 W	201	18	150	0.1	3100	--	--
80N 00 BL	201	6	45	0.3	860	--	--
80N 1 E	201	13	85	0.2	880	--	--
80N 2 E	203	4	20	0.2	480	--	--
80N 3 E	203	1	20	0.1	240	--	--
80N 4 E	203	3	35	0.6	280	--	--
80N 5 E	203	1	45	0.1	220	--	--
80N 6 E	203	2	50	0.1	460	--	--
80N 7 E	203	1	60	0.1	340	--	--
80N 8 E	203	2	145	0.1	360	--	--
80N 9 E	203	3	65	0.1	1540	--	--
80N 10 E	203	5	40	5.1	420	--	--
80N 11 E	201	13	60	0.2	820	--	--
80N 12 E	203	1	55	0.1	100	--	--
80N 13 E	201	21	105	0.7	1340	--	--
80N 14 E	203	7	90	0.4	720	--	--
80N 15 E	201	17	120	0.2	1140	--	--
80N 16 E	201	14	65	0.1	680	--	--
80N 17 E	201	20	105	0.6	720	--	--

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<b>CERTIFICATE OF ANALYSIS</b>
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TO : UTAH MINES LIMITED

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

CERT. # : A8211367-005-A  
 INVOICE # : 18211367  
 DATE : 16-JUN-92  
 P.O. # : NONE  
 SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
80N 18 E	201	7	40	0.4	1180	--	--
80N 19 E	201	11	100	0.3	1100	--	--
80N 20 E	201	12	90	0.3	1120	--	--
80N 21 E	201	8	100	0.4	1280	--	--
80N 22 E	201	10	105	0.3	1240	--	--
80N 23 E	201	4	40	0.1	880	--	--
80N 24 E	201	6	50	0.1	520	--	--
80N 25 E	201	6	35	0.6	960	--	--
80N 1 W	203	9	155	1.1	2900	--	--
80N 2 W	201	8	125	0.4	600	--	--
80N 3 W	203	9	40	0.6	460	--	--
80N 4 W	201	32	25	2.0	440	--	--
80N 5 W	201	10	30	0.2	660	--	--
80N 6 W	201	17	55	0.1	640	--	--
80N 7 W	201	31	40	1.7	720	--	--
80N 8 W	201	12	45	0.1	600	--	--
80N 9 W	201	15	65	0.2	890	--	--
80N 10 W	201	30	95	0.8	1100	--	--
80N 11 W	201	15	120	1.2	1120	--	--
80N 12 W	201	1	520	0.8	700	--	--
80N 13 W	201	9	110	0.4	1080	--	--
80N 14 W	201	7	95	0.7	1260	--	--
80N 15 W	201	13	50	0.1	1000	--	--
80N 16 W	201	14	70	0.2	1240	--	--
80N 17 W	201	13	70	0.2	1280	--	--
80N 18 W	201	10	45	0.3	1000	--	--
80N 19 W	201	10	40	0.1	720	--	--
80N 20 W	201	15	60	0.2	1240	--	--
80N 21 W	201	12	45	0.2	1780	--	--
80N 22 W	201	12	90	0.3	1160	--	--
80N 23 W	201	3	50	0.2	680	--	--
80N 24 W	201	16	110	0.1	1240	--	--
80N 25 W	201	16	135	0.4	1260	--	--
85N 00 BL	201	15	65	1.6	1660	--	--
85N 1 E	201	16	40	1.0	1000	--	--
85N 2 E	203	4	240	0.1	1140	--	--
85N 3 E	201	13	65	0.3	1100	--	--
85N 4 E	201	20	95	0.1	820	--	--
85N 5 E	201	14	60	0.2	840	--	--
85N 6 E	201	13	90	0.5	1700	--	--

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TO : UTAH MINES LIMITED

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

CERT. # : A8211367-006-A  
INVOICE # : I8211367  
DATE : 16-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
85N 7 E	201	7	50	0.5	1220	--	--
85N 8 E	201	2	340	0.1	380	--	--
85N 9 E	201	15	140	0.8	1060	--	--
85N 10 E	201	17	160	0.7	1040	--	--
85N 11 E	201	3	70	0.2	760	--	--
85N 12 E	201	17	90	0.6	1480	--	--
85N 13 E	201	5	45	0.4	1140	--	--
85N 14 E	201	11	50	0.3	860	--	--
85N 15 E	201	10	30	0.2	600	--	--
85N 16 E	201	10	20	0.2	620	--	--
85N 17 E	201	9	35	0.1	540	--	--
85N 18 E	201	9	45	0.4	1380	--	--
85N 19 E	201	13	75	0.2	720	--	--
85N 20 E	201	9	60	0.5	1200	--	--
85N 21 E	201	2	30	0.3	580	--	--
85N 22 E	201	3	90	0.2	740	--	--
85N 23 E	201	4	100	0.3	640	--	--
85N 24 E	201	14	100	0.3	940	--	--
85N 25 E	201	9	80	0.2	820	--	--
85N 1 W	201	14	40	0.3	640	--	--
85N 2 W	201	19	65	0.9	820	--	--
85N 3 W	201	10	40	0.6	620	--	--
85N 4 W	201	23	60	0.7	780	--	--
85N 5 W	201	23	135	1.1	860	--	--
85N 6 W	201	1	100	0.7	620	--	--
85N 7 W	201	23	45	1.0	1160	--	--
85N 8 W	203	19	50	3.0	940	--	--
85N 9 W	201	1	230	0.4	520	--	--
85N 10 W	201	22	30	0.7	1040	--	--
85N 11 W	201	12	45	0.5	700	--	--
85N 12 W	201	8	30	0.2	680	--	--
85N 13 W	201	10	80	0.4	1080	--	--
85N 14 W	201	13	55	0.2	1400	--	--
85N 15 W	201	15	115	1.0	1420	--	--
85N 16 W	201	11	80	0.9	1120	--	--
85N 17 W	201	13	135	0.7	1040	--	--
85N 18 W	201	13	80	0.1	860	--	--
85N 19 W	201	23	185	0.2	1260	--	--
85N 20 W	201	12	60	0.1	1040	--	--
85N 21 W	201	21	145	0.1	1060	--	--

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211475-005-A  
INVOICE # : 18211475  
DATE : 25-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
90N 03 W	203	6	87	0.1	500	--	--
90N 04 W	217	6	210	0.2	400	--	--
90N 05 W	203	3	27	0.6	640	--	--
90N 06 W	201	12	126	0.1	700	--	--
90N 07 W	203	1	182	0.3	1380	--	--
90N 08 W	203	15	74	0.9	1440	--	--
90N 09 W	201	11	48	0.3	1020	--	--
90N 10 W	201	9	176	0.6	940	--	--
90N 11 W	201	11	82	0.1	820	--	--
90N 12 W	201	14	78	0.6	1120	--	--
90N 13 W	201	13	74	0.6	1140	--	--
90N 14 W	203	12	93	1.5	2500	--	--
90N 15 W	201	11	230	1.2	2000	--	--
90N 16 W	201	9	188	1.1	1820	--	--
90N 17 W	201	12	54	0.3	800	--	--
90N 18 W	201	11	57	1.0	2550	--	--
90N 19 W	201	16	175	1.2	2900	--	--
90N 20 W	201	16	128	0.7	1620	--	--
90N 21 W	201	1	72	0.2	1200	--	--
90N 22 W	201	1	21	0.3	1440	--	--
90N 23 W	201	5	92	0.2	1460	--	--
90N 24 W	201	25	290	0.2	1550	--	--
90N 25 W	201	5	85	0.4	2200	--	--
95N 00 BL	201	1	44	0.4	980	--	--
95N 01 E	201	5	95	0.1	960	--	--
95N 02 E	201	2	110	0.3	1040	--	--
95N 03 E	201	1	51	0.1	380	--	--
95N 04 E	201	1	113	0.2	680	--	--
95N 05 E	201	1	180	0.1	600	--	--
95N 06 E	201	1	64	0.2	880	--	--
95N 07 E	201	10	240	0.3	960	--	--
95N 08 E	201	2	20	0.2	660	--	--
95N 09 E	201	8	104	0.4	1140	--	--
95N 10 E	201	14	84	0.1	720	--	--
95N 11 E	201	103	93	0.2	1200	--	--
95N 12 E	201	7	34	0.1	900	--	--
95N 13 E	203	1	28	0.1	420	--	--
95N 14 E	203	10	55	0.9	620	--	--
95N 15 E	201	9	32	0.2	680	--	--
95N 16 E	201	3	43	0.1	260	--	--



Certified by *Hart Bichler* .....





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

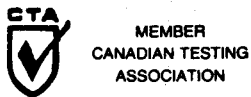
CERT. # : A8211475-006-A  
INVOICE # : I8211475  
DATE : 25-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
95N 17 E	201	11	38	0.1	680	--	--
95N 18 E	201	14	84	0.1	620	--	--
95N 19 E	201	9	76	0.1	400	--	--
95N 20 E	201	8	37	0.1	440	--	--
95N 21 E	201	5	28	0.1	300	--	--
95N 22 E	201	2	23	0.1	560	--	--
95N 23 E	201	8	48	0.1	680	--	--
95N 24 E	201	9	54	0.1	400	--	--
95N 25 E	201	10	53	0.1	360	--	--
95N 01 W	201	8	31	0.1	680	--	--
95N 02 W	201	14	87	0.2	1240	--	--
95N 03 W	201	7	18	0.1	800	--	--
95N 04 W	203	1	310	0.1	760	--	--
95N 05 W	203	1	38	0.1	260	--	--
95N 06 W	201	4	32	0.9	660	--	--
95N 07 W	201	16	90	0.2	880	--	--
95N 08 W	201	17	175	0.1	1100	--	--
95N 09 W	201	8	41	0.4	760	--	--
95N 10 W	201	8	195	0.9	1040	--	--
95N 11 W	201	1	59	0.1	700	--	--
95N 12 W	203	20	41	0.4	1300	--	--
95N 13 W	201	14	33	0.2	1100	--	--
95N 14 W	201	8	17	0.1	640	--	--
95N 15 W	201	8	19	0.5	900	--	--
95N 16 W	201	11	113	0.8	2000	--	--
95N 17 W	201	15	153	0.1	1660	--	--
95N 18 W	201	5	96	0.2	1140	--	--
95N 19 W	201	15	145	0.5	2000	--	--
95N 20 W	201	3	77	0.1	1000	--	--
95N 21 W	201	4	17	0.5	1240	--	--
95N 22 W	201	13	13	0.8	2700	--	--
95N 23 W	201	16	50	0.5	3500	--	--
95N 24 W	201	25	355	0.2	3650	--	--
95N 25 W	201	15	111	0.2	1800	--	--
100N 00 BL	201	18	77	0.1	1120	--	--
100N 01 E	201	16	88	0.1	1640	--	--
100N 02 E	203	1	325	0.1	780	--	--
100N 03 E	201	16	83	0.4	1300	--	--
100N 04 E	201	19	142	0.2	1040	--	--
100N 05 E	201	29	156	0.3	2850	--	--

*Hart Bichler*

Certified by .....





# CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

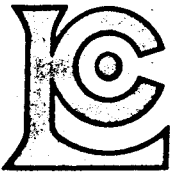
CERT. # : A8211476-002-A  
INVOICE # : I3211476  
DATE : 23-JUN-82  
P.C. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
100N 21 W	201	19	76	0.3	2600	--	--
100N 22 W	201	17	94	0.1	1000	--	--
100N 23 W	201	7	12	0.3	900	--	--
100N 24 W	201	13	10	0.3	720	--	--
100N 25 W	201	9	27	0.1	640	--	--
100S 00 BL	201	17	94	0.3	920	--	--
100S 01 E	201	10	135	0.6	980	--	--
100S 02 E	203	6	106	0.1	230	--	--
100S 03 E	201	14	91	0.4	1160	--	--
100S 04 E	201	1	87	0.1	580	--	--
100S 05 E	201	18	94	0.2	1060	--	--
100S 06 E	201	14	90	0.8	1660	--	--
100S 07 E	203	2	79	0.1	140	--	--
100S 08 E	203	2	137	0.1	330	--	--
100S 09 E	203	3	92	0.1	100	--	--
100S 10 E	203	2	215	0.2	390	--	--
100S 11 E	203	1	105	0.1	200	--	--
100S 12 E	203	1	127	0.1	340	--	--
100S 13 E	203	2	103	0.1	240	--	--
100S 14 E	201	17	68	0.6	850	--	--
100S 15 E	201	16	116	0.6	980	--	--
100S 16 E	201	15	87	0.7	1020	--	--
100S 17 E	203	2	106	0.1	280	--	--
100S 18 E	201	9	88	0.1	440	--	--
100S 19 E	201	6	115	0.1	230	--	--
100S 20 E	203	2	94	0.1	340	--	--
100S 21 E	201	10	190	0.1	550	--	--
100S 22 E	201	14	77	0.2	850	--	--
100S 23 E	201	11	68	0.1	520	--	--
100S 24 E	201	5	54	0.3	660	--	--
100S 25 E	201	10	79	0.1	440	--	--
100S 01 W	201	5	56	0.4	720	--	--
100S 02 W	203	7	133	0.4	860	--	--
100S 03 W	201	15	65	0.5	750	--	--
100S 04 W	201	14	71	0.4	880	--	--
100S 05 W	203	4	108	0.1	820	--	--
100S 06 W	201	18	123	0.5	1600	--	--
100S 07 W	203	3	83	0.1	540	--	--
100S 08 W	201	15	95	0.9	710	--	--
100S 09 W	203	5	173	0.4	760	--	--



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. # : A8211476-003-A  
INVOICE # : I8211476  
DATE : 28-JUN-82  
P.O. # : NCNE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
100S 10 W	201	16	124	0.6	1000	--	--
100S 11 W	201	11	152	0.5	1680	--	--
100S 12 W	201	15	82	0.7	940	--	--
100S 13 W	201	8	119	1.4	1200	--	--
100S 14 W	201	18	275	0.2	1960	--	--
100S 15 W	203	3	153	0.1	300	--	--
100S 16 W	201	17	108	0.3	1700	--	--
100S 17 W	201	15	112	0.1	1950	--	--
100S 18 W	201	14	152	0.1	2300	--	--
100S 19 W	203	3	92	0.1	160	--	--
100S 20 W	201	1	123	0.1	840	--	--
100S 21 W	203	1	173	0.1	560	--	--
100S 22 W	201	2	260	0.1	1300	--	--
100S 23 W	201	2	275	0.1	1000	--	--
100S 24 W	203	1	195	0.1	500	--	--
100S 25 W	201	1	131	0.1	1500	--	--



# CHEMEX LABS LTD.

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

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

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

CERT. # : A8211476-001-A

INVOICE # : 18211476

DATE : 28-JUN-82

P.C. # : NONE

SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
100N 06 E	217	3	78	0.1	120	--	--
100N 07 E	201	12	111	0.3	360	--	--
100N 08 E	201	6	93	0.7	490	--	--
100N 09 E	201	9	53	0.2	860	--	--
100N 10 E	203	3	76	0.2	340	--	--
100N 11 E	203	1	156	0.1	300	--	--
100N 12 E	201	16	66	0.4	1000	--	--
100N 13 E	201	13	42	0.3	1080	--	--
100N 15 E	201	18	84	0.1	730	--	--
100N 16 E	201	24	81	0.1	810	--	--
100N 17 E	201	21	109	0.1	230	--	--
100N 18 E	201	9	65	0.1	670	--	--
100N 19 E	201	21	85	0.1	690	--	--
100N 20 E	201	14	63	0.1	890	--	--
100N 21 E	201	19	79	0.1	860	--	--
100N 22 E	201	20	77	0.4	900	--	--
100N 23 E	201	8	86	0.1	690	--	--
100N 24 E	201	9	25	0.1	630	--	--
100N 25 E	201	13	59	0.3	650	--	--
100N 01 W	201	7	52	1.4	920	--	--
100N 02 W	201	16	61	0.1	650	--	--
100N 03 W	203	1	133	0.4	980	--	--
100N 04 W	201	6	70	0.7	280	--	--
100N 05 W	203	2	47	0.1	210	--	--
100N 06 W	203	1	53	0.1	160	--	--
100N 07 W	203	1	77	0.1	740	--	--
100N 08 W	203	1	152	0.1	390	--	--
100N 09 W	203	3	118	0.1	370	--	--
100N 10 W	201	16	160	0.5	900	--	--
100N 11 W	205	3	43	0.2	60	--	--
100N 12 W	201	6	92	0.2	570	--	--
100N 13 W	203	5	47	1.6	1060	--	--
100N 14 W A	201	22	41	0.4	1020	--	--
100N 14 W B	201	10	52	0.1	590	--	--
100N 15 W	203	2	112	0.1	390	--	--
100N 16 W	201	9	27	0.2	720	--	--
100N 17 W	201	13	82	0.2	1030	--	--
100N 18 W	201	13	36	0.3	1460	--	--
100N 19 W	201	14	23	0.2	1800	--	--
100N 20 W	203	3	23	0.1	500	--	--

*Hart Bichler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION

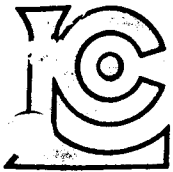
		Pb	Zn	F	Ba	Sr	
82-ZBT-2	205	17	3150	--	140	--	--
82-ZBT-3	205	1	33	100	>10000	13	--
82-ZBT-4	205	410	375	--	2500	--	--
82-ZBT-5	205	12	920	--	1560	--	--
82-ZBT-6	205	42	50	--	780	--	--
82-ZBT-7	205	13	105	--	4700	--	--
82 ZBT-8	205	1	1000 *	0.3	160	--	--

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82-ZAL-01	201	8	130	0.8	600	--	--
82-ZAL-02	201	11	190	0.2	1260	--	--
82-ZAL-03	201	10	178	0.6	1080	--	--
82-ZAL-04	201	12	195	0.6	1600	--	--
82-ZAL-05	201	11	410	0.7	1420	--	--
82-ZAL-06	201	12	255	0.5	1460	--	--
82-ZAL-07	201	1	113	0.3	680	--	--
82-ZAL-08	201	7	133	0.1	1520	--	--
82-ZAL-09	201	12	178	0.4	1220	--	--
82-ZAL-10	201	1	620	0.1	480	--	--
82-ZAL-11	201	1	374	0.1	660	--	--
82-ZAL-12	201	10	130	0.3	860	--	--
82-ZAL-13	201	48	38	2.8 *	1160	--	--
82-ZAL-14	203	7	550	0.4	760	--	--
82-ZAL-15	217	10	42	0.9	1840	--	--
82-ZAL-16	201	11	90	0.7	2700	--	--
82-ZAL-17	201	20	355	1.4	4900	--	--
82-ZAL-18	203	33 *	270	1.2	4500 *	--	--
82-ZAL-19	201	8	207	0.5	5500	--	--
82-ZAL-20	201	15	400 *	0.3	4150	--	--
82-ZAL-21	201	17	175	0.4	4600	--	--
82-ZAL-22	201	16	170	0.3	2800	--	--
82 ZAL-23	201	8	160	1.0	1760	--	--
82 ZAL-24	SCAT 19	12	220	3.0 *	2450	--	--
82 ZAL-25	201	17	210	2.9 *	3100	--	--
82 ZAL-26	201	13	109	2.0 *	5200 *	--	--
82 ZAL-27	201	16	200	2.1	7250	--	--
82 ZAL-28	201	12	72	0.9	3200	--	--
82 ZAL-29	201	14	113	1.1	2750	--	--
82 ZAL-30	201	17	50	1.1	5900	--	--
82 ZAL-31	201	20	57	1.0	2500	--	--
82 ZAL-32	201	16	50	1.2	>10000 *	--	--
82 ZAL-33	201	13	162	0.5	2750	--	--
82 ZAL-34	201	16	116	0.7	2000	--	--
82 ZAL-35	201	13	159	0.7	1950	--	--
82 ZAL-36	201	12	122	1.8	1250	--	--
82 ZAL-37	201	16	153	1.7	1350	--	--
82 ZAL-38	201	15	96	1.6	1900	--	--
82 ZAL-40	201	13	97	0.8	2350	--	--
82 ZAL-41	201	13	205	1.7	2450	--	--
82 ZAL-42	201	13	60	1.3	4900	--	--
82 ZAL-43	201	19	130	1.3	2600	--	--



		Pb	Zn	Ag	Ba		
82-ZGL-20	201	9	110	0.1	2700	--	--
82-ZGL-21	201	11	125	0.1	1700	--	--
82-ZGL-22	201	11	160	0.3	1300	--	--
82-ZGL-23	201	13	143	0.2	1880	--	--
82-ZGL-24	201	14	134	0.3	1800	--	--
82-ZGL-25	201	12	132	0.2	1660	--	--
82-ZGL-26	201	14	135	0.2	1800	--	--
82-ZGL-27	201	13	142	0.2	1360	--	--
82-ZGL-28	201	15	164	0.5	1160	--	--
82-ZGL-29	201	15	150	0.3	1180	--	--
82-ZGL-30	201	15	152	0.1	1420	--	--
82-ZGL-31	201	11	120	0.4	1000	--	--
82-ZGL-32	201	11	110	0.4	1200	--	--
82-ZGL-33	201	13	136	0.4	1360	--	--
82-ZGL-34	201	10	108	0.2	860	--	--
82-ZGL-35	201	5	92	0.1	660	--	--
82-ZGL-36	201	12	118	0.1	760	--	--
82-ZGL-37	201	10	120	0.1	680	--	--

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82-ZGL-38	201	18	137	0.4	880	--	--
82-ZGL-39	201	10	125	0.3	620	--	--
82-ZGL-40	201	14	85	0.1	1420	--	--
82-ZGL-41	201	14	85	0.1	1400	--	--
82-ZGL-42	201	16	100	0.1	1780	--	--
82-ZGL-43	201	14	94	0.1	2000	--	--
82-ZGL-44	201	11	80	0.1	1860	--	--
82-ZGL-45	201	14	94	0.2	1520	--	--
82-ZGL-46	201	13	170	0.3	1280	--	--
82-ZGL-47	201	15	98	0.1	1680	--	--
82-ZGL-48	201	17	110	0.2	1940	--	--
82-ZGL-49	201	14	210	0.1	1880	--	--
82-ZGL-50	201	15	163	0.2	1720	--	--
82-ZGL-51	201	16	212	0.3	1440	--	--
82-ZGL-52	201	21	295	0.6	1100	--	--
82-ZGL-53	201	21	140	0.5	2400	--	--
82-ZGL-54	201	16	144	0.5	1480	--	--
82-ZGL-55	201	18	162	0.7	1360	--	--
82-ZGL-56	201	18	132	0.4	1860	--	--
82-ZGL-57	201	26	233	0.5	1500	--	--
82-ZGL-58	201	9	100	0.2	820	--	--
82-ZGL-59	201	20	120	0.3	1160	--	--
82-ZGL-60	201	22	115	0.2	2200	--	--
82-ZGL-61	201	18	180	1.2	1040	--	--
82-ZGL-62	201	25	215	1.1	840	--	--
82-ZGL-63	201	17	188	0.4	1800	--	--
82-ZGL-64	201	18	207	0.6	1260	--	--
82-ZGL-65	201	17	263	0.3	1120	--	--
82-ZGL-66	201	26	203	0.9	6200	--	--
82-ZGL-67	201	18	208	0.2	1540	--	--
82-ZGL-68	201	25	130	0.9	1220	--	--
82-ZGL-69	201	26	130	0.9	720	--	--
82-ZGL-70	201	19	92	0.6	1240	--	--
82-ZGL-71	201	27	120	1.1	620	--	--
82-ZGL-72	201	24	174	0.2	1640	--	--
82-ZGL-73	201	21	133	0.3	1440	--	--
82-ZGL-74	201	15	156	1.1	5000	--	--
82-ZGL-75	201	16	133	0.7	5450	--	--
82-ZGL-76	201	20	128	1.7	2100	--	--
82-ZGL-77	201	27	470	1.0	3200	--	--
82-ZGL-78	201	14	178	1.0	4000	--	--
*82-ZGL-79	201	14	134	1.1	2450	--	--
82-ZGL-80	201	15	205	1.1	2500	--	--
82-ZGL-81	201	19	245	1.8	4900	--	--



# 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. # : A8211472-001-A  
INVOICE # : I8211472  
DATE : 23-JUN-82  
P.O. # : NONE  
SCAT CLAIMS

ATTN: G. WESA

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82 SBT-1	205	10	27	0.6	1240	--	--
82 SBT-2 SCAT 4	205	56	3100	0.6	220	--	--
82 ZGT-1	205	2	38	0.3	5800	--	--
82 ZGT-3	205	30	198	0.8	4800 *	--	--
82 ZGT-5	205	46	182	0.8	2500	--	--
82 ZWT-2	205	25	12	1.0	1000	--	--



Certified by Hart Bichler

SAMPLE No.

		Pb	Zn	Ag	Ba		
82-ZML-01	201	22	234	0.7	2800	--	--
82-ZML-02	201	27	267	0.9	1740	--	--
82-ZML-03	201	18	210	0.6	2400	--	--
82-ZML-04	201	21	220	0.5	1480	--	--

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
82-ZML-05	201	14	120	0.2	2450	--	--
82-ZML-06	201	13	100	0.3	3900	--	--
82-ZML-07	201	23	228	1.2	1720	--	--
82-ZML-08	201	26	243	0.9	2300	--	--
82-ZML-09	201	25	198	1.0	1780	--	--
82-ZML-10	201	31	200	1.0	1760	--	--
82-ZML-11	201	38	235	0.9	1660	--	--
82-ZML-12	201	22	225	1.1	1880	--	--
82-ZML-13	201	20	158	0.6	620	--	--
82-ZML-14	201	18	82	0.7	1060	--	--
82 ZML-15	201	43	1900	0.1	480	--	--
82 ZML-16	201	43	1650	0.2	360	--	--
82 ZML-17	201	52	830	0.3	140	--	--
82 ZML-18	203	3	225	0.1	620	--	--
82 ZML-19	201	10	193	0.4	2350	--	--
82 ZML-20	201	14	160	0.5	1450	--	--

82-ZLL-01	201	<u>Pb</u> 15	<u>Zn</u> 223	<u>Ag</u> 1.4	<u>Ba</u> 660	--	--
82 ZLL-2	201	30	200	1.3	2000	--	--
82 ZLL-3	201	26	285	1.0	740	--	--

82 ZLT-1	205	<u>Pb</u> 4	<u>Zn</u> 60	<u>Ag</u> 0.1	<u>Ba</u> 30	--	--
82 ZLT-2	205	3	9	0.1	240	--	--
82 ZLT-3	205	3	41	0.2	140	--	--
82 ZLT-4	205	2	7	0.1	600	--	--
82 ZLT-5	205	3	110	0.2	1060	--	--
82 ZLT-8 SCAT 2	205	1	1330	0.3	140	--	--
82 ZLT-9	205	1	780	0.4	160	--	--
82 ZLT-10	205	33	430	0.3	100	--	--
82 ZLT-11	205	1	293	0.2	120	--	--
82 ZLT-12	205	4	63	0.4	2000	--	--
82 ZLT-13	205	2	16	0.8	1300	--	--
82 ZLT-14	205	8	22	1.4	1950	--	--



# 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. # : A8211565-007-A  
INVOICE # : 18211565  
DATE : 5-JUL-82  
P.C. # : NONE

ATTN: PHIL BURT

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm	Ba ppm		
95S 23W	201	14	85	0.1	820	--	--
95S 24W	217	2	146	0.1	840	--	--
95S 25W	201	6	30	0.1	1240	--	--
82 ZGL 5	201	11	115	0.2	2600	--	--
82 ZGL 6	201	14	120	0.2	2500	--	--
82 ZGL 7	201	13	120	0.3	1860	--	--
82 ZGL 8	201	12	210	0.4	1140	--	--
82 ZGL 9	201	10	112	0.2	2500	--	--
82 ZGL 10	201	12	95	0.2	1660	--	--
82 ZGL 11	201	12	125	0.2	1880	--	--
82 ZGL 12	201	12	118	0.3	1680	--	--
82 ZGL 13	201	13	95	0.2	1540	--	--
82 ZGL 14	201	20	126	0.2	2300	--	--
82 ZGL 15	201	13	130	0.3	1980	--	--
82 ZGL 16	201	12	125	0.4	2000	--	--
82 ZGL 17	201	13	115	0.3	2000	--	--
82 ZGL 18	201	15	118	0.4	880	--	--
82 ZGL 19	201	13	92	0.2	1220	--	--
82 ZSL 1	201	25	102	0.8	990	--	--
82 ZSL 2	201	29	117	1.2	1000	--	--
82 ZSL 3	201	22	140	1.0	1840	--	--
82 ZSL 4	201	23	217	1.0	1270	--	--
82 ZSL 5	201	20	350	0.8	1900	--	--
82 ZSL 6	201	22	460	0.9	2200	--	--
82 ZSL 7	201	17	155	0.7	2650	--	--
82 ZSL 8	201	14	133	0.4	2600	--	--
82 ZSL 9	201	15	112	0.7	2700	--	--
82 ZSL 10	201	15	203	0.8	3100	--	--
82 ZSL 11	201	20	95	0.6	3100	--	--
82 ZSL 12	201	23	90	1.2	2300	--	--
82 ZSL 13	201	14	90	1.5	2400	--	--

Certified by *Hans Bichler*



SAMPLE No

		Pb	Zn	Ag	Ba		
82-ZSL-14	201	25	160	0.8	3200	--	--
82-ZSL-15	201	33	73	1.2	1260	--	--
82-ZSL-16	201	42 *	125	2.1 *	4700	--	--
82-ZSL-17	201	16	53	1.0	8700 *	--	--
82-ZSL-18	201	19	183	0.7	5800	--	--
82-ZSL-19	201	16	85	0.6	2500	--	--
82-ZSL-20	201	15	80	1.3	2650	--	--
82-ZSL-21	201	31	185	1.2	1560	--	--
82-ZSL-22	201	11	42	0.9	2800	--	--
82-ZSL-23	201	25	110	0.6	2250	--	--
82-ZSL-24	201	25	250	0.9	5100 *	--	--
82-ZSL-25	201	22	190	0.6	2500	--	--
82-ZSL-26	201	19	260	0.7	2800	--	--
82-ZSL-27	201	27	147	1.1	2450	--	--
82-ZSL-28	201	16	85	0.9	3400	--	--
82-ZSL-29	201	23	210	0.9	1960	--	--
82-ZSL-30	201	25	148	1.0	2700	--	--
82-ZSL-31	201	14	265	0.7	1600	--	--
82-ZSL-32	201	15	165	0.5	1260	--	--
82-ZSL-33	201	11	133	0.6	2300	--	--
82-ZSL-34	201	11	140	0.3	1840	--	--
82-ZSL-35	201	14	85	1.3	3900	--	--
82-ZSL-36	201	29	100	1.3	2700	--	--
82-ZSL-37	201	13	30	1.3 *	5100 *	--	--
82-ZSL-38	201	17	65	1.1	4600	--	--
82-ZSL-39	201	13	48	1.1	4300	--	--
82-ZSL-40	201	13	65	0.9	3700	--	--
82 ZSL-41	201	17	56	0.2	1600	--	--
82 ZSL-42	201	20	245	1.0	5100	--	--
82 ZSL-43	201	23	235	0.6	2250	--	--
82 ZSL-44	201	15	265	0.9	2600	--	--
82 ZSL-45	201	27	116	1.5 *	5400 *	--	--
82 ZSL-46	201	13	106	1.7	3350	--	--
82 ZSL-47	201	8	125	1.3	3150	--	--
82 ZSL-48	201	18	500	0.9	3200	--	--

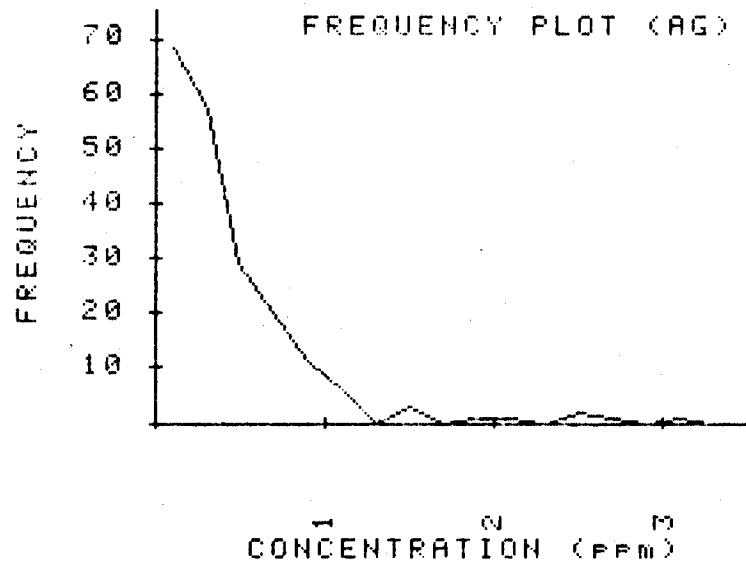
82 ZGT-7	205	Pb 10	Zn 17	Ag 0.2	Ba 1200	--	--
82 ZGT-8	205	15	39	0.1	2950	--	--
82 ZGT-9	205	12	115	2.0 *	3650 *	--	--
82 ZGT-10	205	5	163	1.7	3100	--	--
82 ZGT-11	205	7	21	1.3	2450	--	--
82 ZGT-12	205	11	100	1.9	3400	--	--
82 ZGT-13	205	5	30	1.8	2400	--	--
82 ZGT-14	205	5	10	2.0 *	2350	--	--
82 ZGT-15	205	6	12	1.5	2150	--	--
82 ZGT-16	205	8	78	1.4	3150	--	--
82 ZGT-17	205	5	116	0.7	3300	--	--
82 ZGT-18	205	3	41	0.9	2100	--	--
82 ZGT-19	205	10	40	1.1	2650	--	--
82 ZGT-20	205	13	25	1.0	3150	--	--
82 ZGT-21	205	14	30	1.0	3200	--	--
82 ZGT-22	205	22	65	1.1	2750	--	--
82 ZGT-23	205	14	300	0.8	4200	--	--
82 ZGT-24	205	29	45	1.2	6350 *	--	--
82 ZGT-25	205	33 *	22	1.5	850	--	--
82 ZGT-26	205	3	25	0.1	600	--	--
82 ZGT-27	205	28	21	0.8	1450	--	--
82 ZGT-28	205	2	148	0.2	120	--	--
82 ZGT-29	205	3	210	0.2	240	--	--
82 ZGT-30	205	6	214	1.5	1560	--	--
82 ZGT-31	205	9	220	1.9 *	2000	--	--
82 ZGT-32	205	10	33	1.5	2000	--	--
82 ZGT-33	205	12	18	1.2	1920	--	--
82 ZGT-34	205	1	22	0.2	2000	--	--
82 ZGT-35	205	10	87	1.0	960	--	--
82 ZGT-36	205	3	10	0.1	940	--	--
82 ZGT-37	205	13	24	0.9	1140	--	--

**APPENDIX II**

**FREQUENCY HISTOGRAMS AND PROBABILITY PLOTS**

SILVER CALCULATION

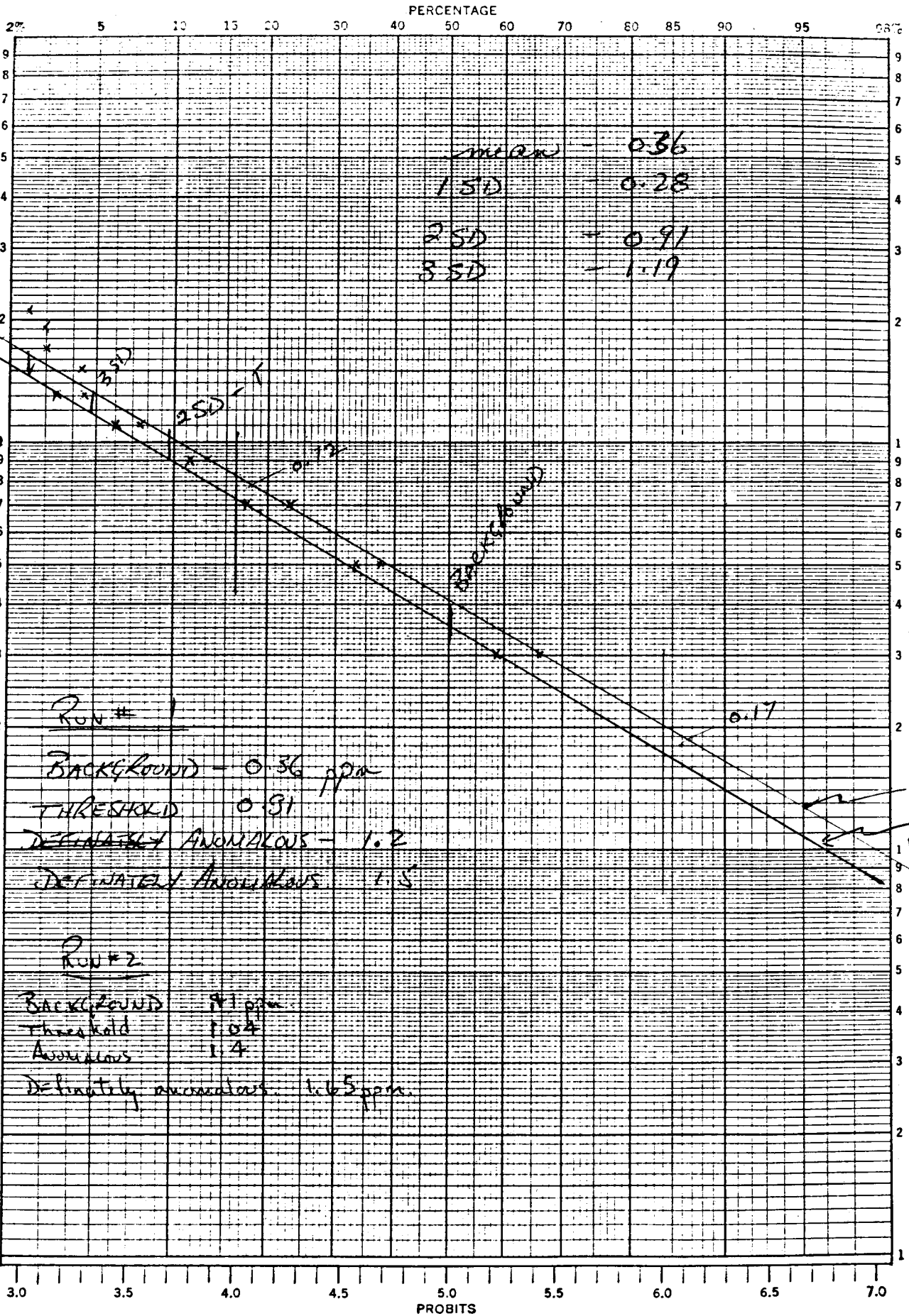
I	F	CF	CF
.10	68	200	100.0
.30	57	132	66.0
.50	29	75	37.5
.70	20	46	23.0
.90	11	26	13.0
1.10	6	15	7.5
1.30	0	9	4.5
1.50	3	9	4.5
1.70	0	6	3.0
1.90	1	6	3.0
2.10	1	5	2.5
2.30	0	4	2.0
2.50	2	4	2.0
2.70	1	2	1.0
2.90	0	1	.5
3.10	1	1	.5
3.30	0	0	0.0
3.50	0	0	0.0
3.70	0	0	0.0
3.90	0	0	0.0
4.10	0	0	0.0
4.30	0	0	0.0
4.50	0	0	0.0
4.70	0	0	0.0
4.90	0	0	0.0



SILVER IN SOIL SAMPLES



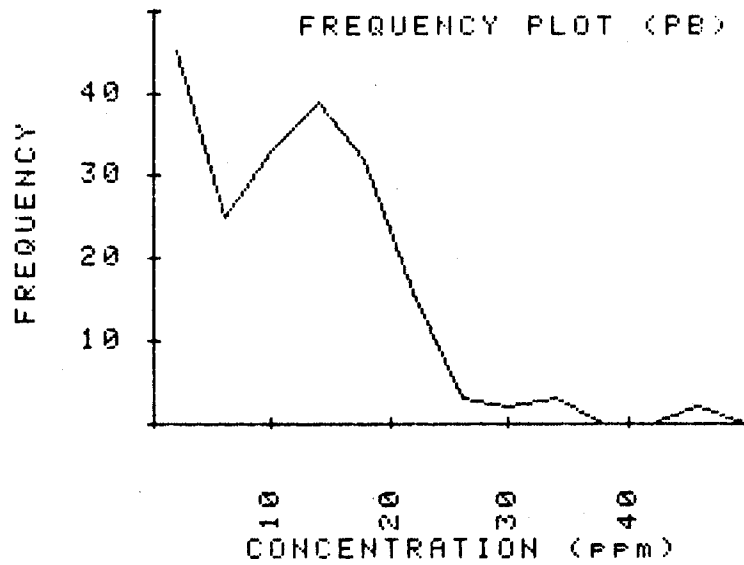
# SCAT - SILVER IN SOCS



**K-E** PROBABILITY 46 8082  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

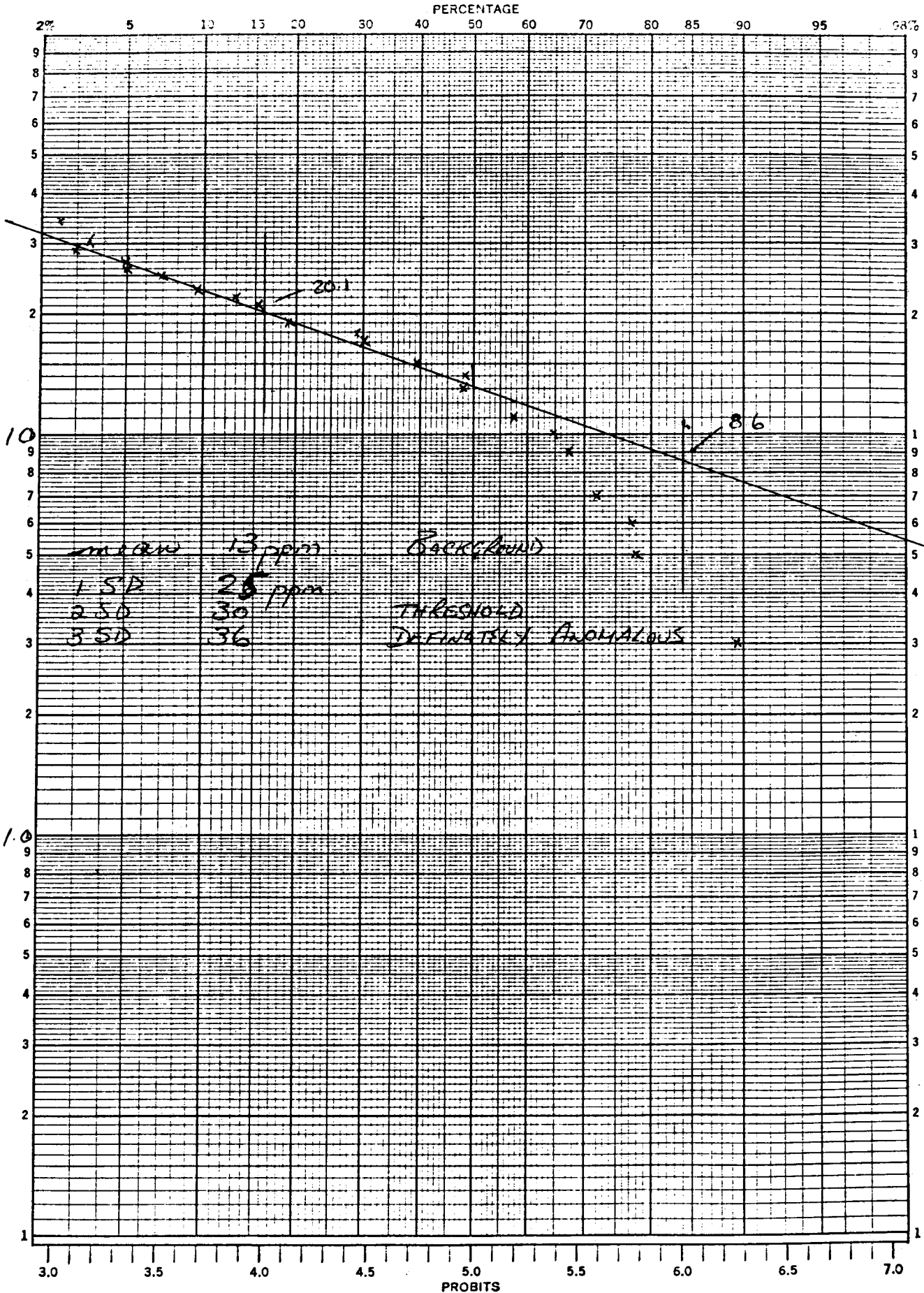
LEAD CALCULATION

I	F	CF	CP
2.00	45	200	100.0
6.00	25	155	77.5
10.00	33	130	65.0
14.00	39	97	48.5
18.00	32	58	29.0
22.00	16	26	13.0
26.00	3	10	5.0
30.00	2	7	3.5
34.00	3	5	2.5
38.00	0	2	1.0
42.00	0	2	1.0
46.00	2	2	1.0
50.00	0	0	0.0
54.00	0	0	0.0
58.00	0	0	0.0
62.00	0	0	0.0
66.00	0	0	0.0
70.00	0	0	0.0
74.00	0	0	0.0
78.00	0	0	0.0
82.00	0	0	0.0
86.00	0	0	0.0
90.00	0	0	0.0
94.00	0	0	0.0
98.00	0	0	0.0



LEAD IN SOIL SAMPLES

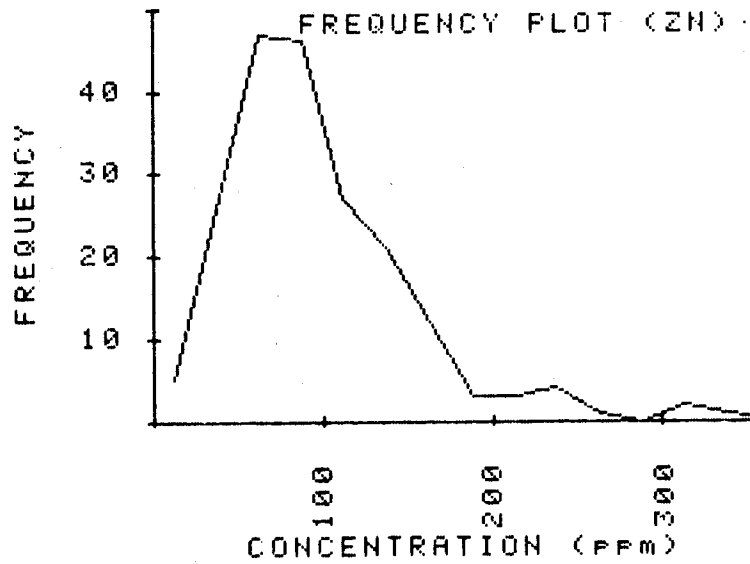
# SCAT LEAD IN SOILS



**KE** PROBABILITY  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

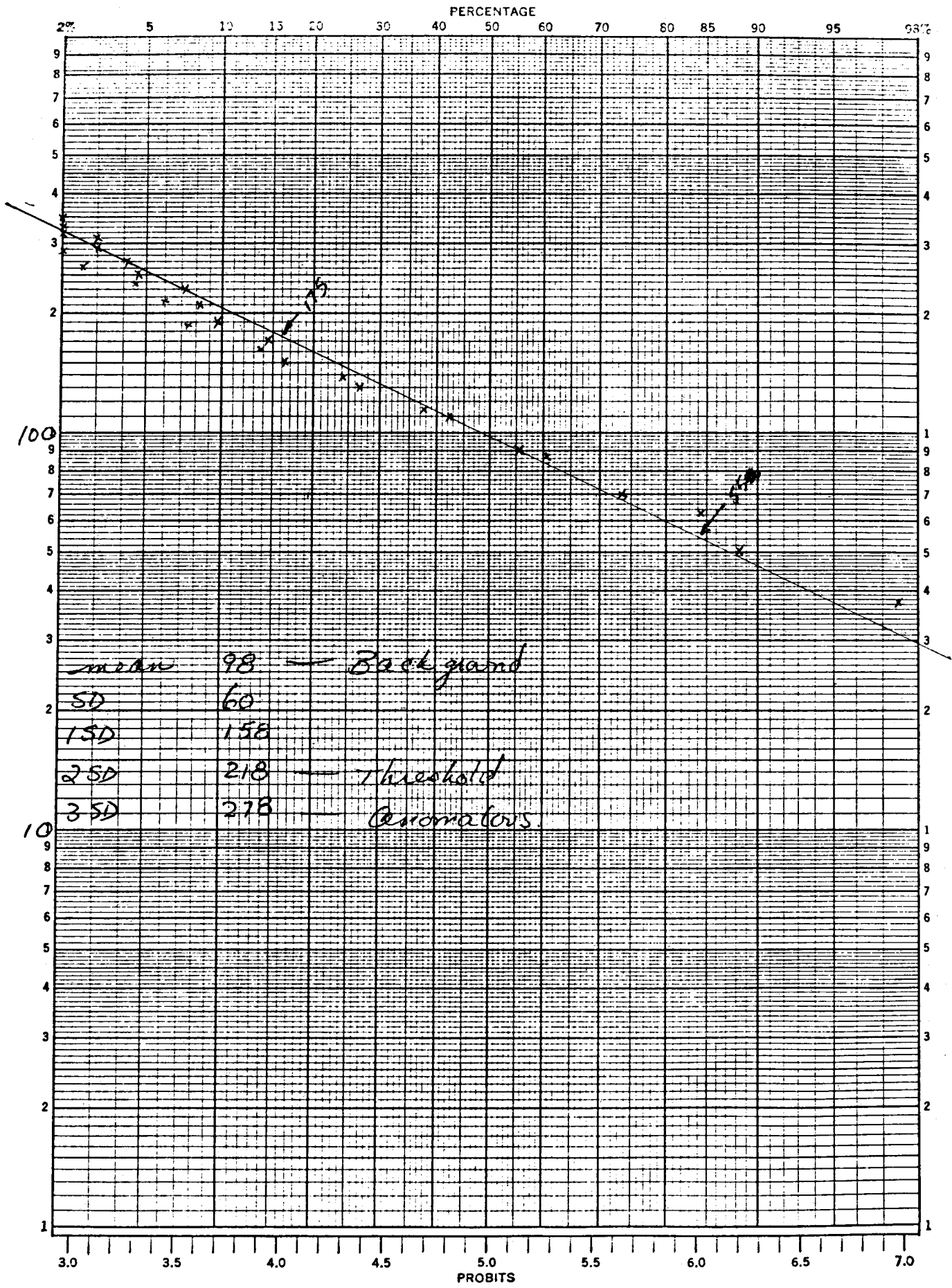
ZINC CALCULATION

I	F	CF	CP
12.50	5	199	100.0
37.50	26	194	97.5
62.50	47	168	84.4
87.50	46	121	60.8
112.50	27	75	37.7
137.50	21	48	24.1
162.50	12	27	13.6
187.50	3	15	7.5
212.50	3	12	6.0
237.50	4	9	4.5
262.50	1	5	2.5
287.50	0	4	2.0
312.50	2	4	2.0
337.50	1	2	1.0
362.50	0	1	.5
387.50	0	1	.5
412.50	0	1	.5
437.50	0	1	.5
462.50	0	1	.5
487.50	0	1	.5
512.50	0	1	.5
537.50	0	1	.5
562.50	1	1	.5
587.50	0	0	0.0
612.50	0	0	0.0



ZINC IN SOIL SAMPLES

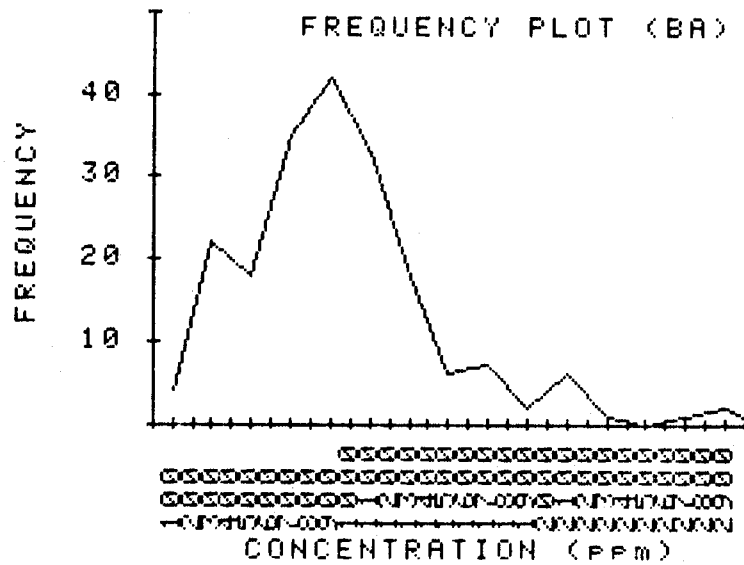
# DCAT - Zinc in Soil



**K&E** PROBABILITY  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

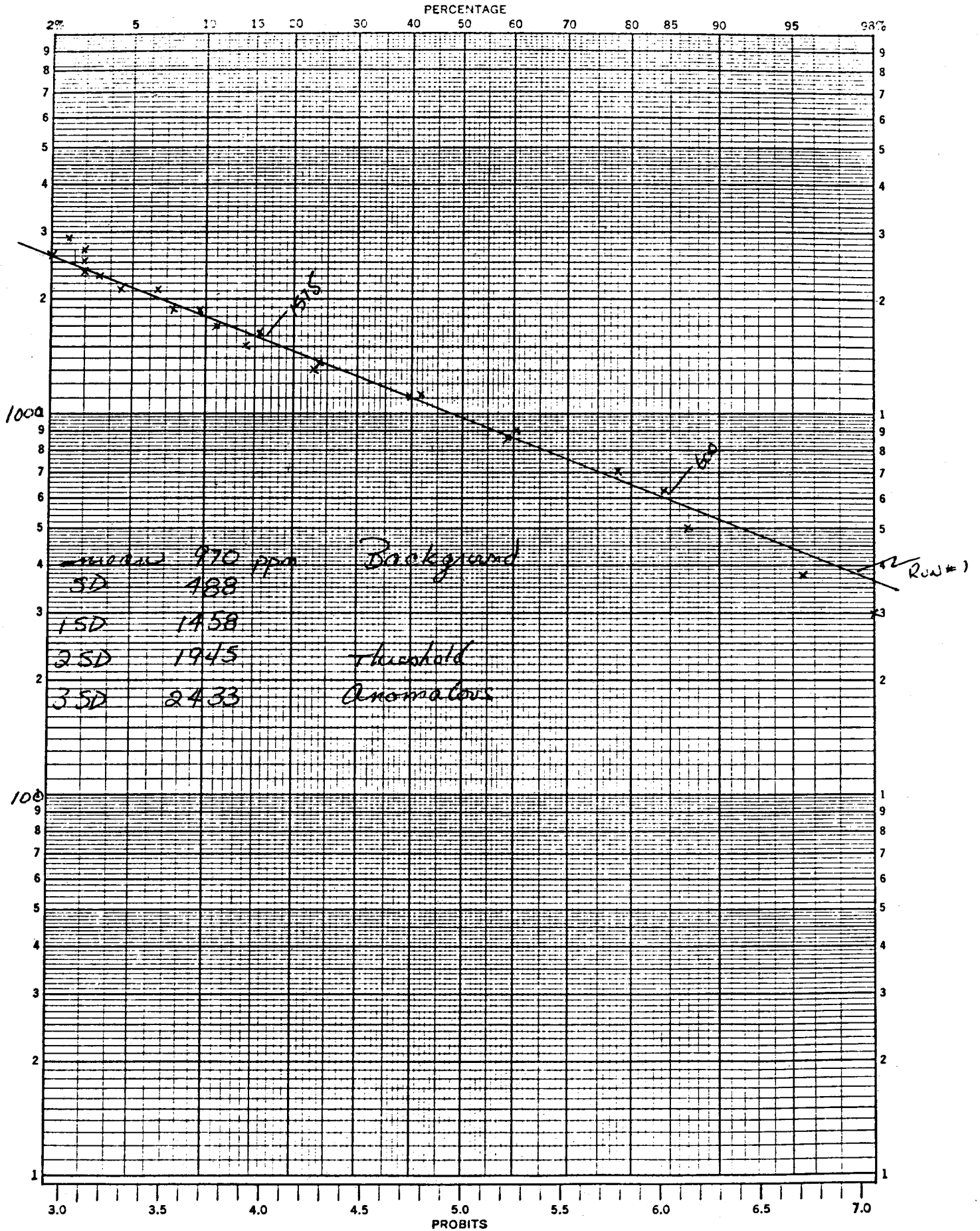
BARIUM CALCULATION

I	F	CF	CP
100.00	4	200	100.0
300.00	22	196	98.0
500.00	18	174	87.0
700.00	35	156	78.0
900.00	42	121	60.5
1100.00	33	79	39.5
1300.00	18	46	23.0
1500.00	6	28	14.0
1700.00	7	22	11.0
1900.00	2	15	7.5
2100.00	6	13	6.5
2300.00	1	7	3.5
2500.00	0	6	3.0
2700.00	1	6	3.0
2900.00	2	5	2.5
3100.00	0	3	1.5
3300.00	0	3	1.5
3500.00	1	3	1.5
3700.00	0	2	1.0
3900.00	0	2	1.0
4100.00	1	2	1.0
4300.00	0	1	.5
4500.00	0	1	.5
4700.00	1	1	.5
4900.00	0	0	0.0



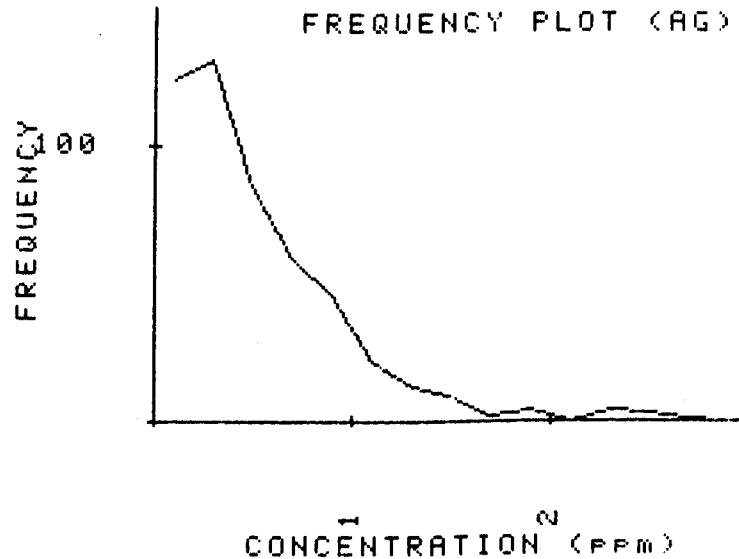
BARIUM IN SOIL SAMPLES

# SCAT-BARIUM IN SOILS



SILVER CALCULATION

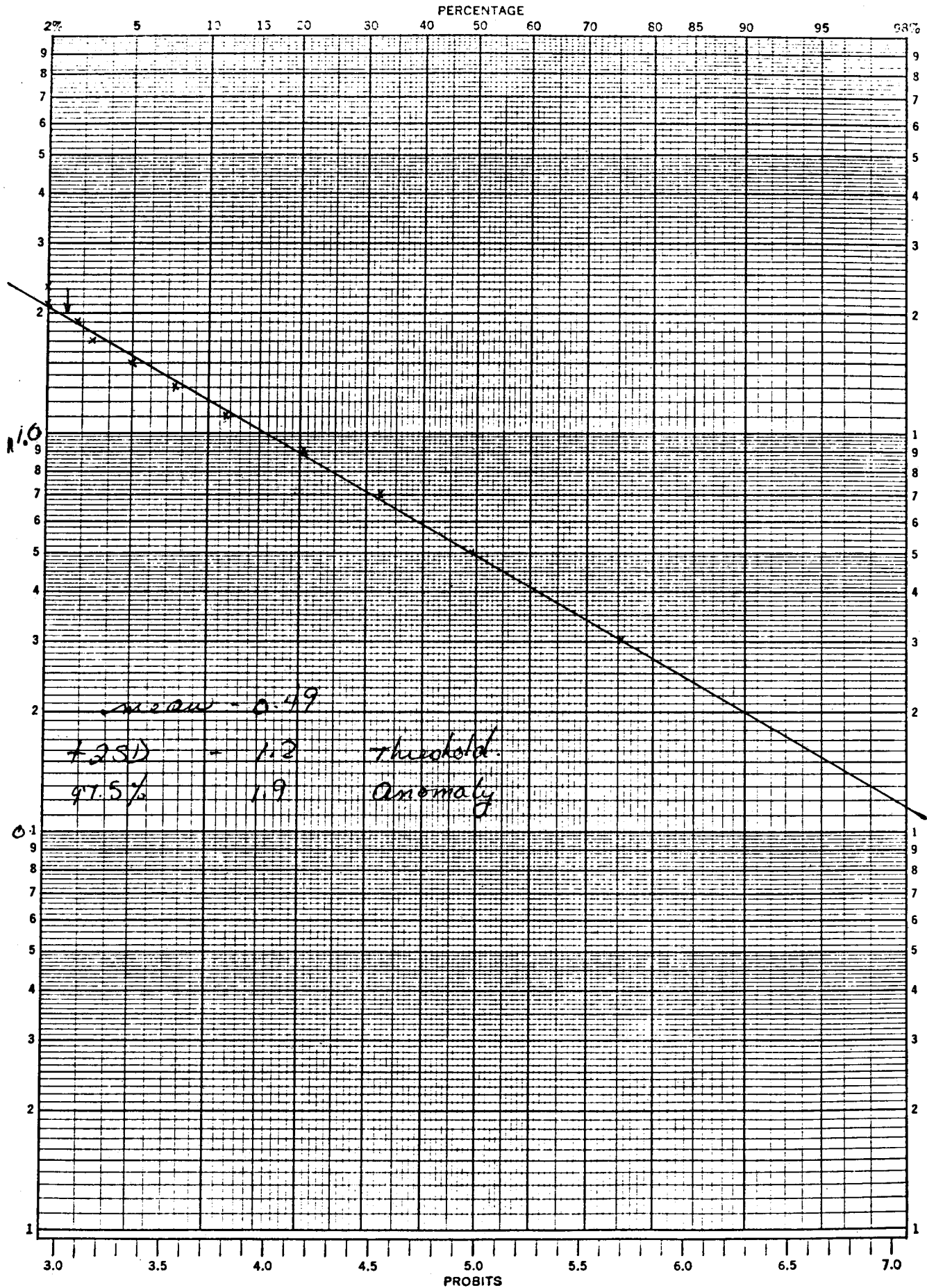
I	F	CF	CP
.10	124	502	100.0
.30	131	378	75.3
.50	85	247	49.2
.70	59	162	32.3
.90	45	103	20.5
1.10	21	58	11.6
1.30	12	37	7.4
1.50	9	25	5.0
1.70	2	16	3.2
1.90	4	14	2.8
2.10	0	10	2.0
2.30	4	10	2.0
2.50	3	6	1.2
2.70	1	3	.6
2.90	0	2	.4
3.10	0	2	.4
3.30	0	2	.4
3.50	1	2	.4
3.70	1	1	.2
3.90	0	0	0.0
4.10	0	0	0.0
4.30	0	0	0.0
4.50	0	0	0.0
4.70	0	0	0.0
4.90	0	0	0.0



SILVER IN SOIL SAMPLES  
SHALE HORIZON ONLY

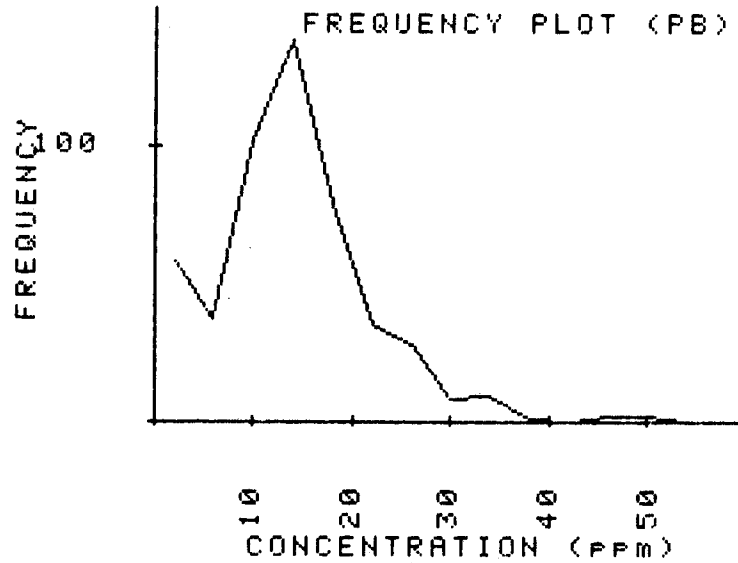


# SILVER IN SOIL - SHALE HORIZON ONLY



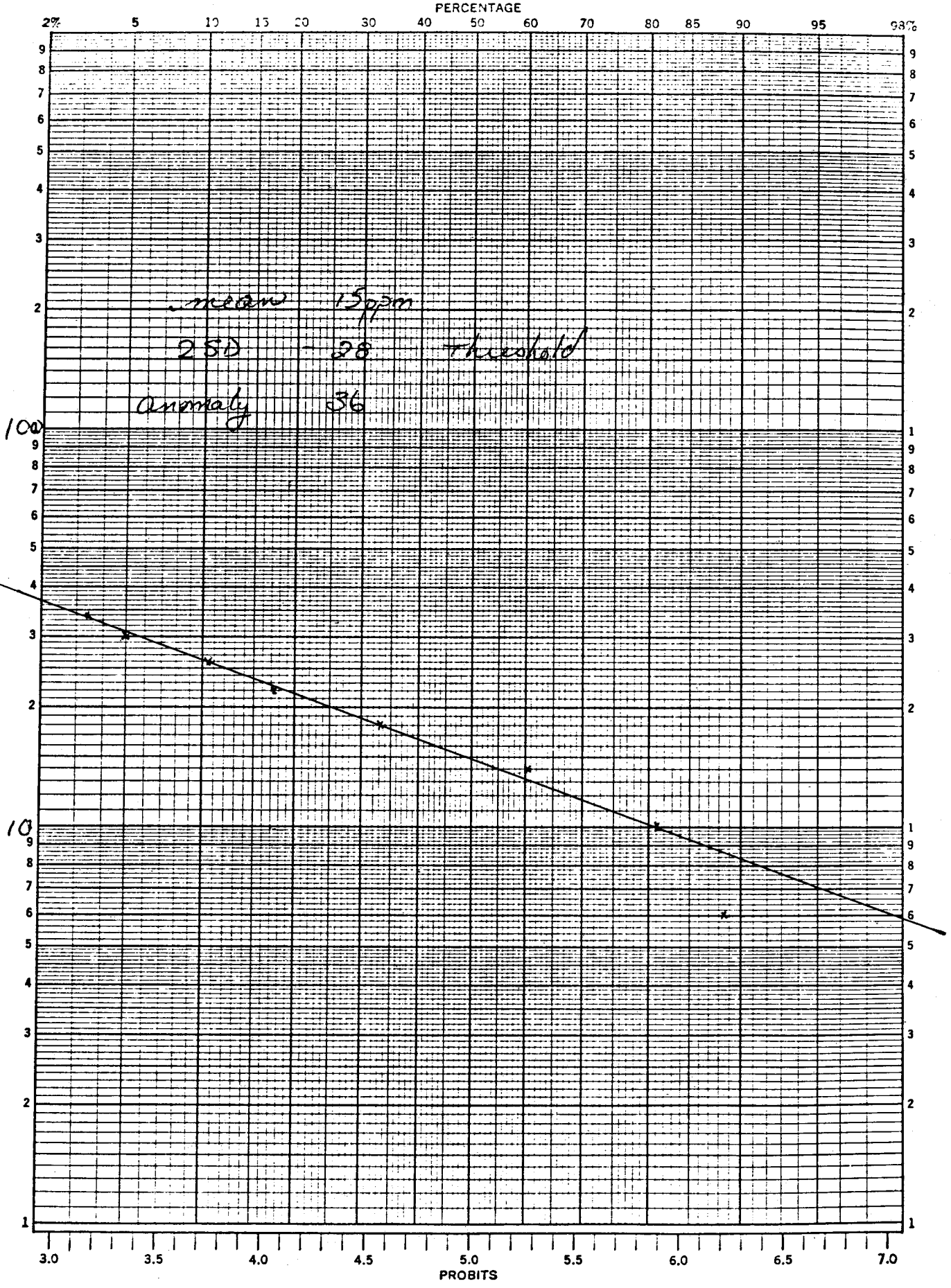
LEAD CALCULATION

I	F	CF	CP
2.00	58	502	100.0
6.00	37	444	88.4
10.00	102	407	81.1
14.00	138	305	60.8
18.00	79	167	33.3
22.00	35	88	17.5
26.00	28	53	10.6
30.00	8	25	5.0
34.00	9	17	3.4
38.00	1	8	1.6
42.00	0	7	1.4
46.00	2	7	1.4
50.00	2	5	1.0
54.00	0	3	.6
58.00	0	3	.6
62.00	0	3	.6
66.00	1	3	.6
70.00	1	2	.4
74.00	0	1	.2
78.00	0	1	.2
82.00	0	1	.2
86.00	0	1	.2
90.00	0	1	.2
94.00	0	1	.2
98.00	1	1	.2



LEAD IN SOIL SAMPLES  
SHALE HORIZON ONLY

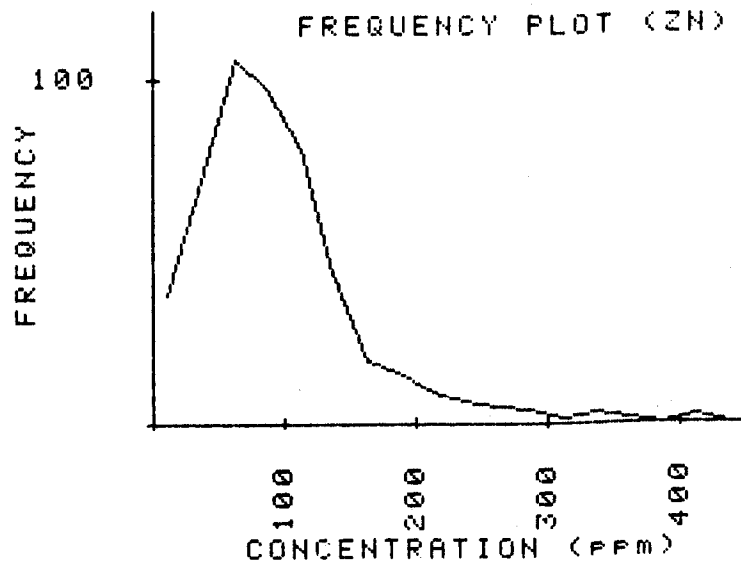
# LEAD IN SOIL - SHALE HORIZON ONLY



**KE** PROBABILITY 46 8082  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

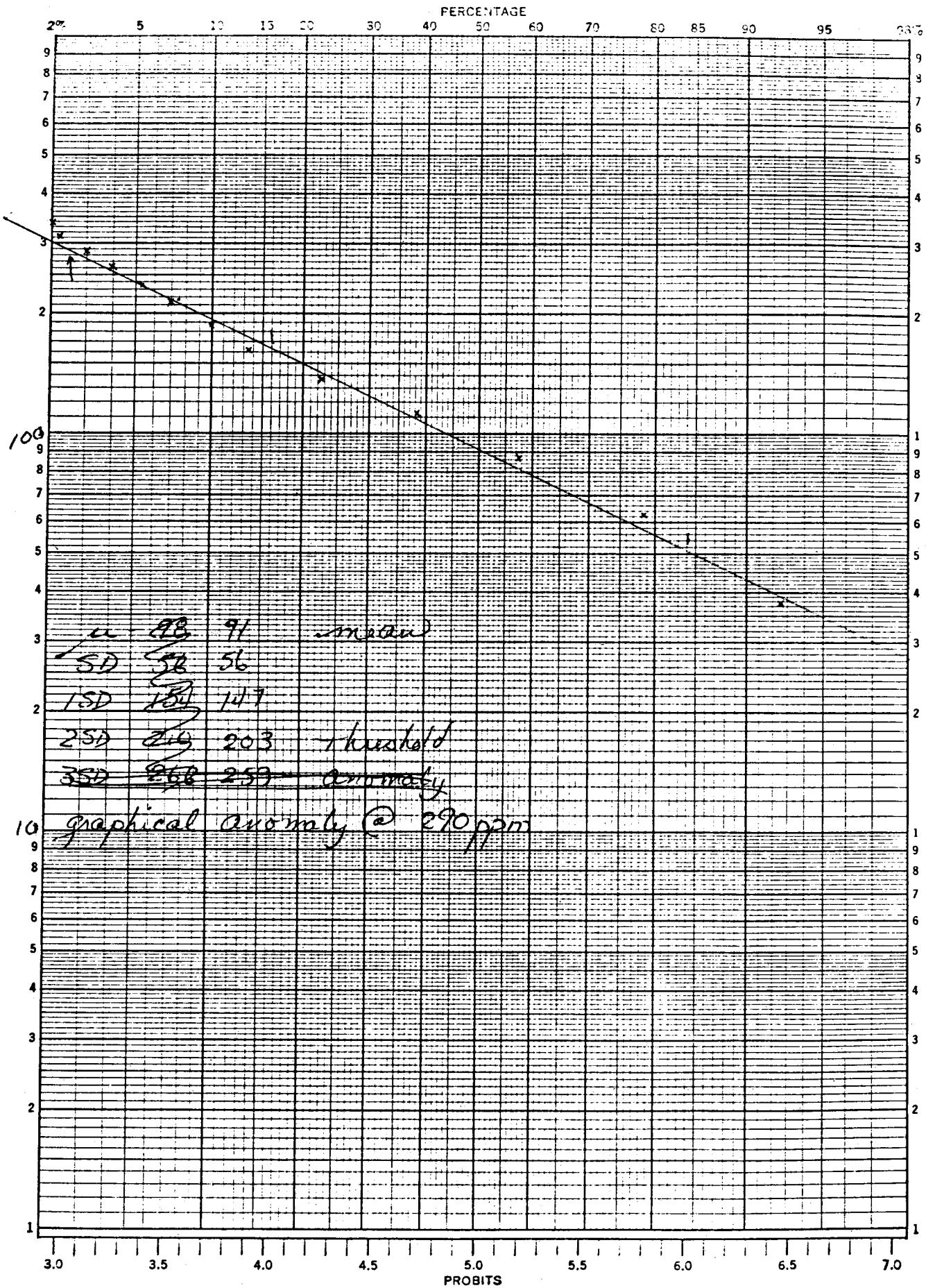
### ZINC CALCULATION

I	F	CF	CF
12.50	37	503	100.0
37.50	71	466	92.6
62.50	106	395	78.5
87.50	97	289	57.5
112.50	80	192	38.2
137.50	44	112	22.3
162.50	18	68	13.5
187.50	15	50	9.9
212.50	9	35	7.0
237.50	6	26	5.2
262.50	5	20	4.0
287.50	4	15	3.0
312.50	1	11	2.2
337.50	3	10	2.0
362.50	1	7	1.4
387.50	0	6	1.2
412.50	2	6	1.2
437.50	0	4	.8
462.50	0	4	.8
487.50	0	4	.8
512.50	1	4	.8
537.50	0	3	.6
562.50	2	3	.6
587.50	0	1	.2
612.50	1	1	.2



*ZINC IN SOIL SAMPLES  
SHALE HORIZON ONLY*

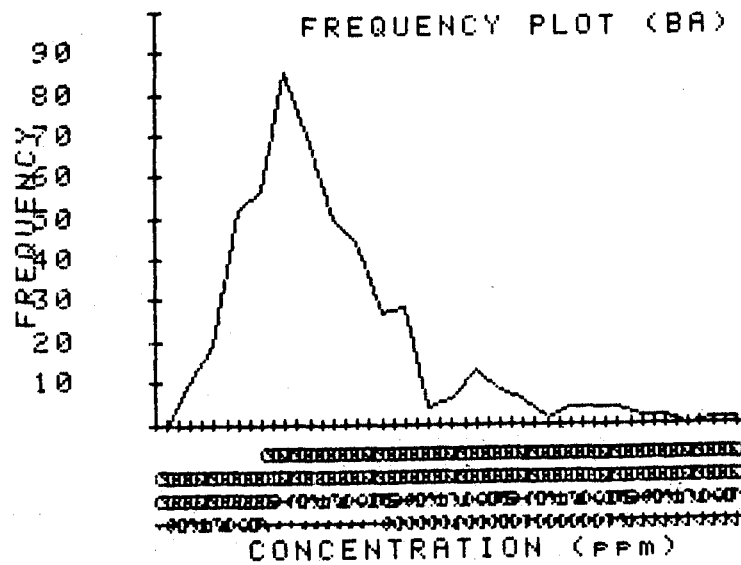
# ZINC IN SOIL - SHALE HORIZON ONLY



**PROBABILITY** 46 8082  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

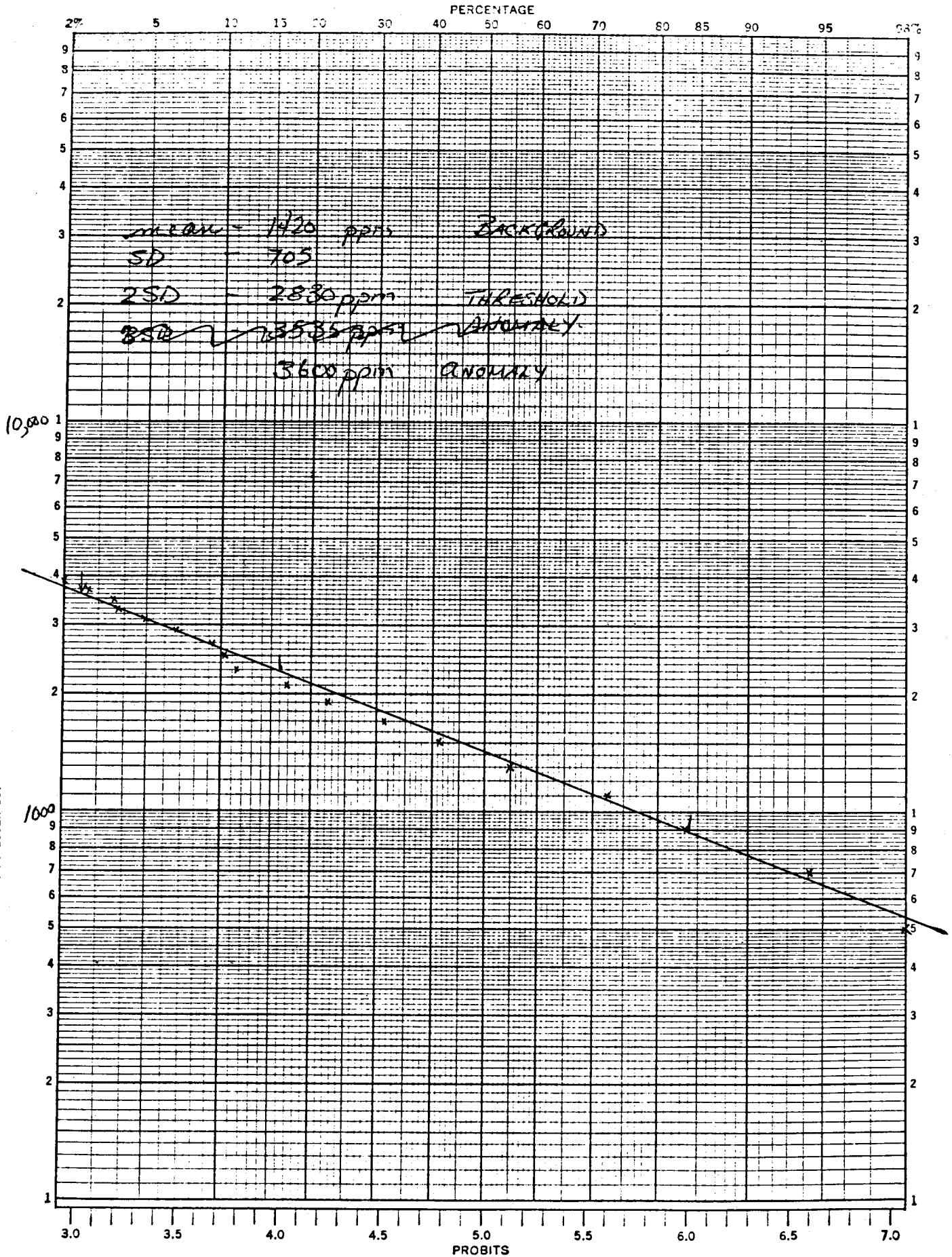
### BARIUM CALCULATION

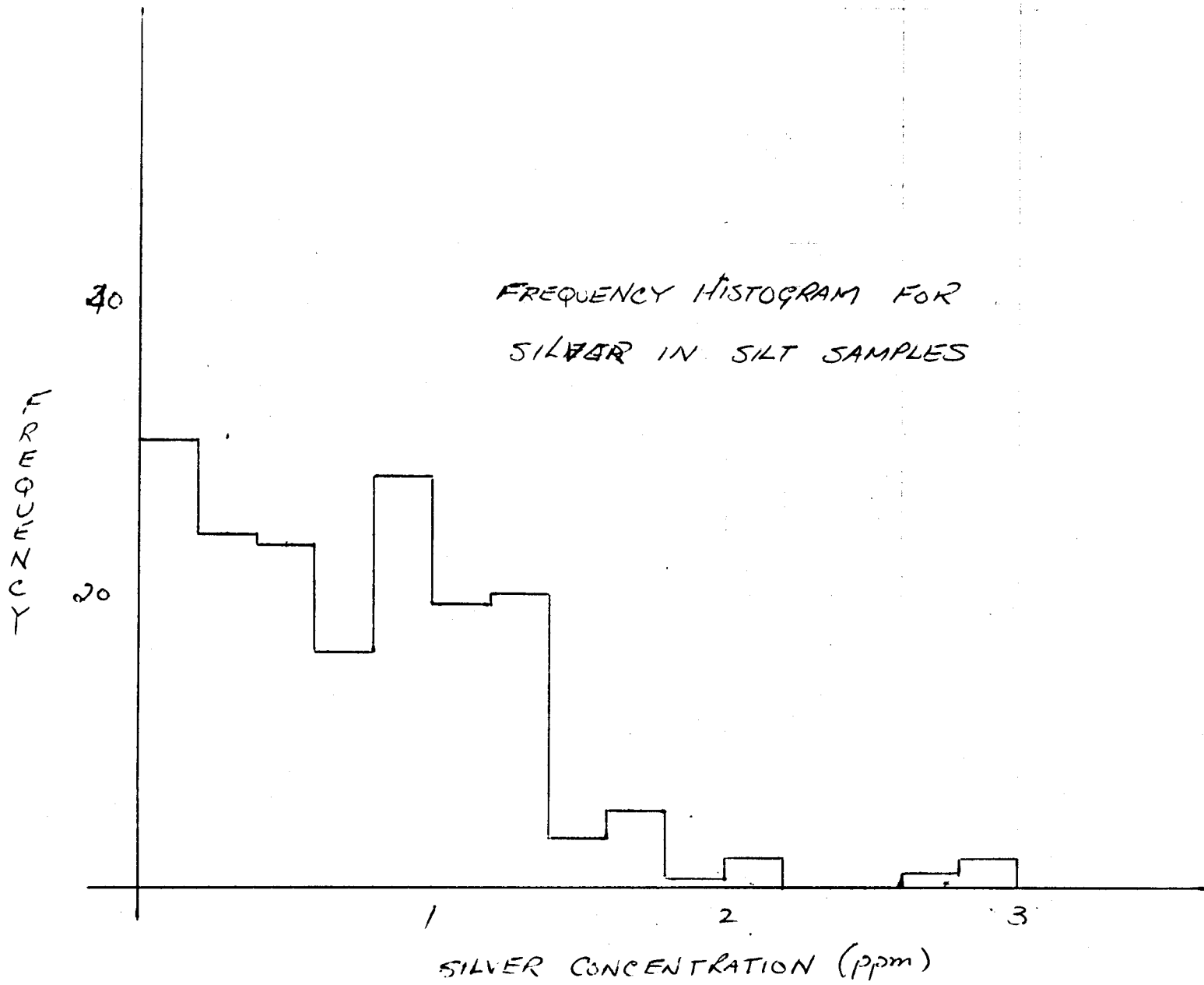
I	F	CF	CP
100.00	0	496	100.0
300.00	10	496	100.0
500.00	19	486	98.0
700.00	52	467	94.2
900.00	57	415	83.7
1100.00	85	358	72.2
1300.00	68	273	55.0
1500.00	50	205	41.3
1700.00	44	155	31.3
1900.00	27	111	22.4
2100.00	28	84	16.9
2300.00	4	56	11.3
2500.00	6	52	10.5
2700.00	13	46	9.3
2900.00	8	33	6.7
3100.00	6	25	5.0
3300.00	1	19	3.8
3500.00	4	18	3.6
3700.00	4	14	2.8
3900.00	4	10	2.0
4100.00	2	6	1.2
4300.00	2	4	.8
4500.00	0	2	.4
4700.00	1	2	.4
4900.00	1	1	.2



*BARIUM IN SOIL SAMPLES  
SHALE HORIZON ONLY*

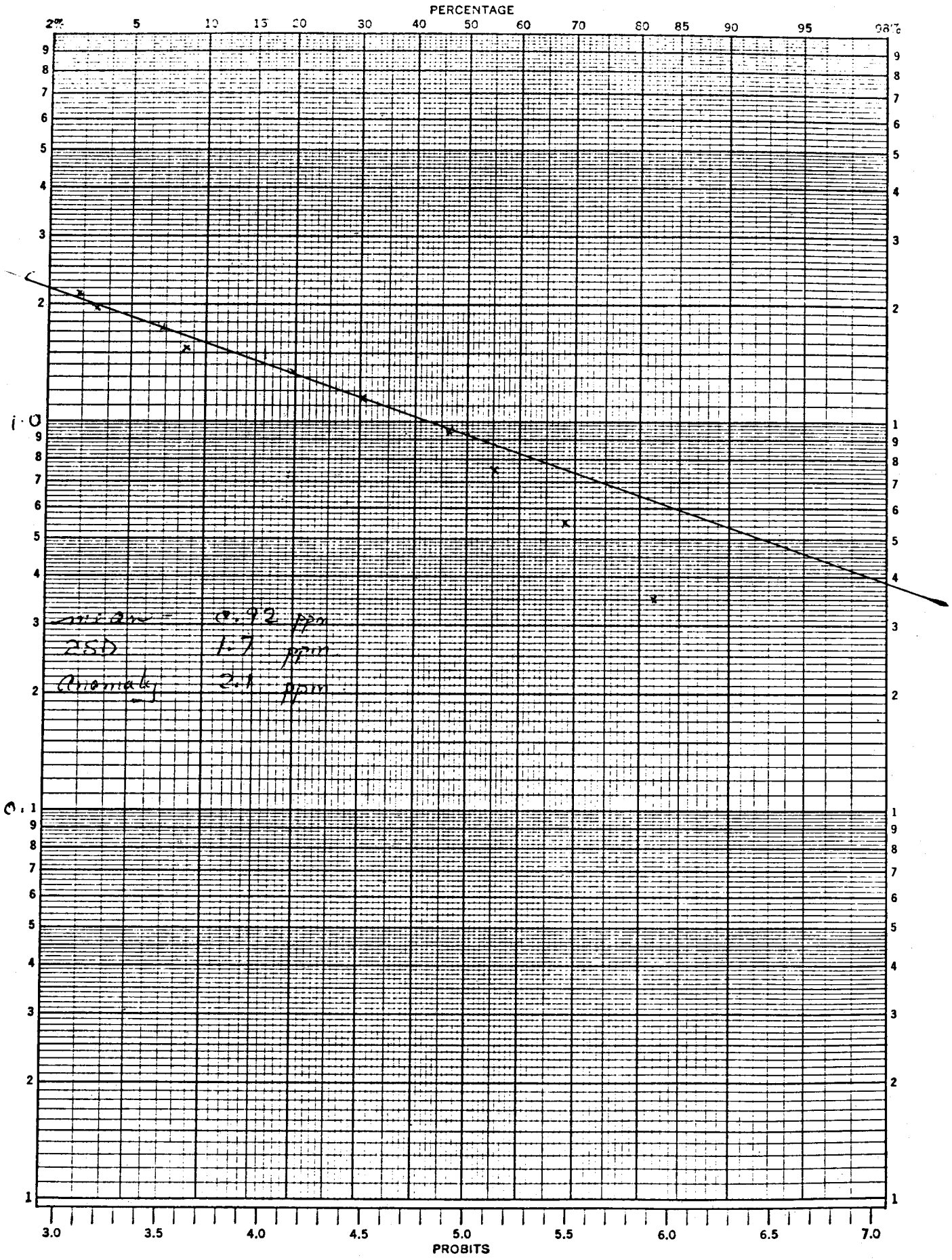
# Barium in Soils - SHALE HORIZON ONLY



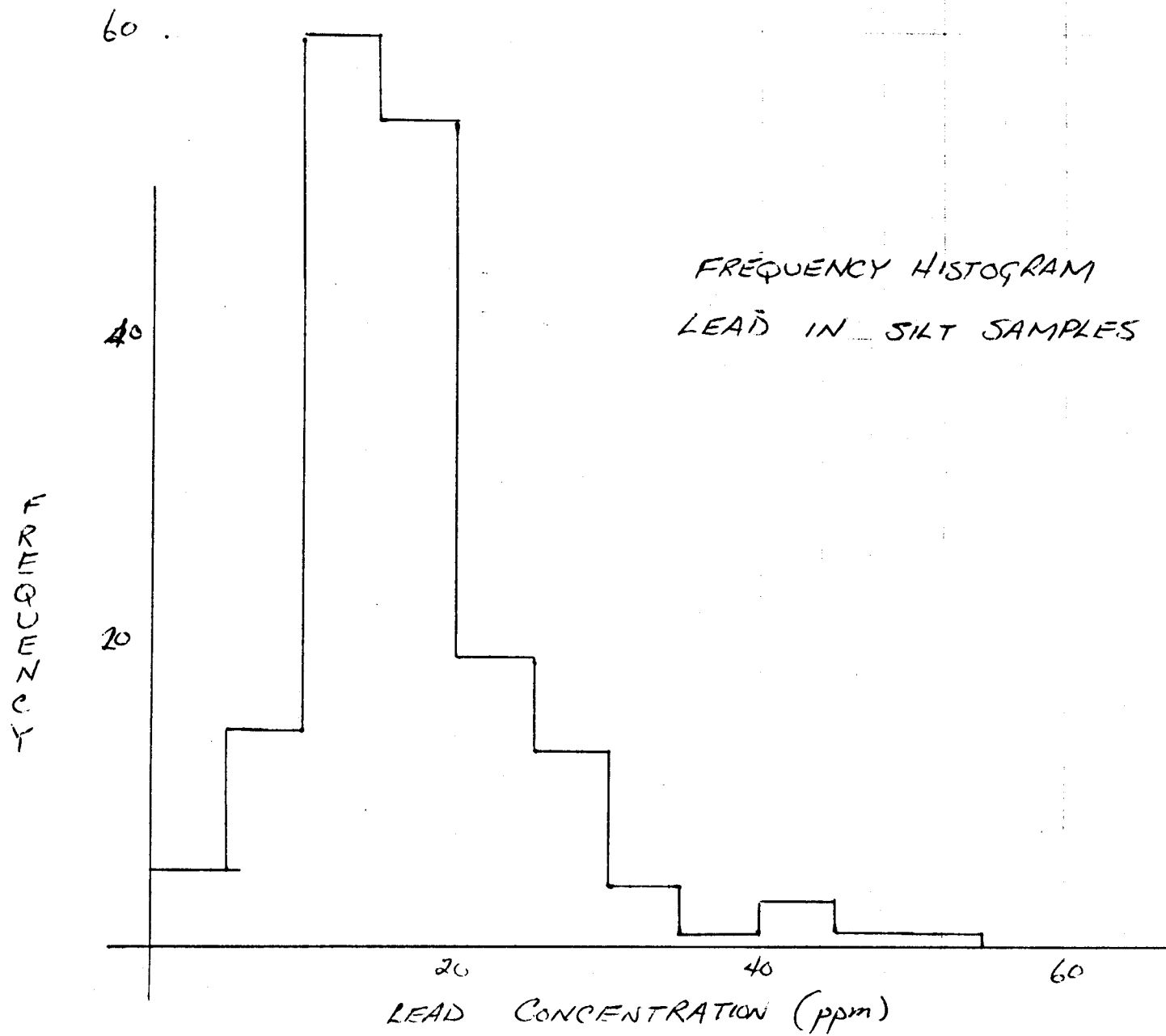




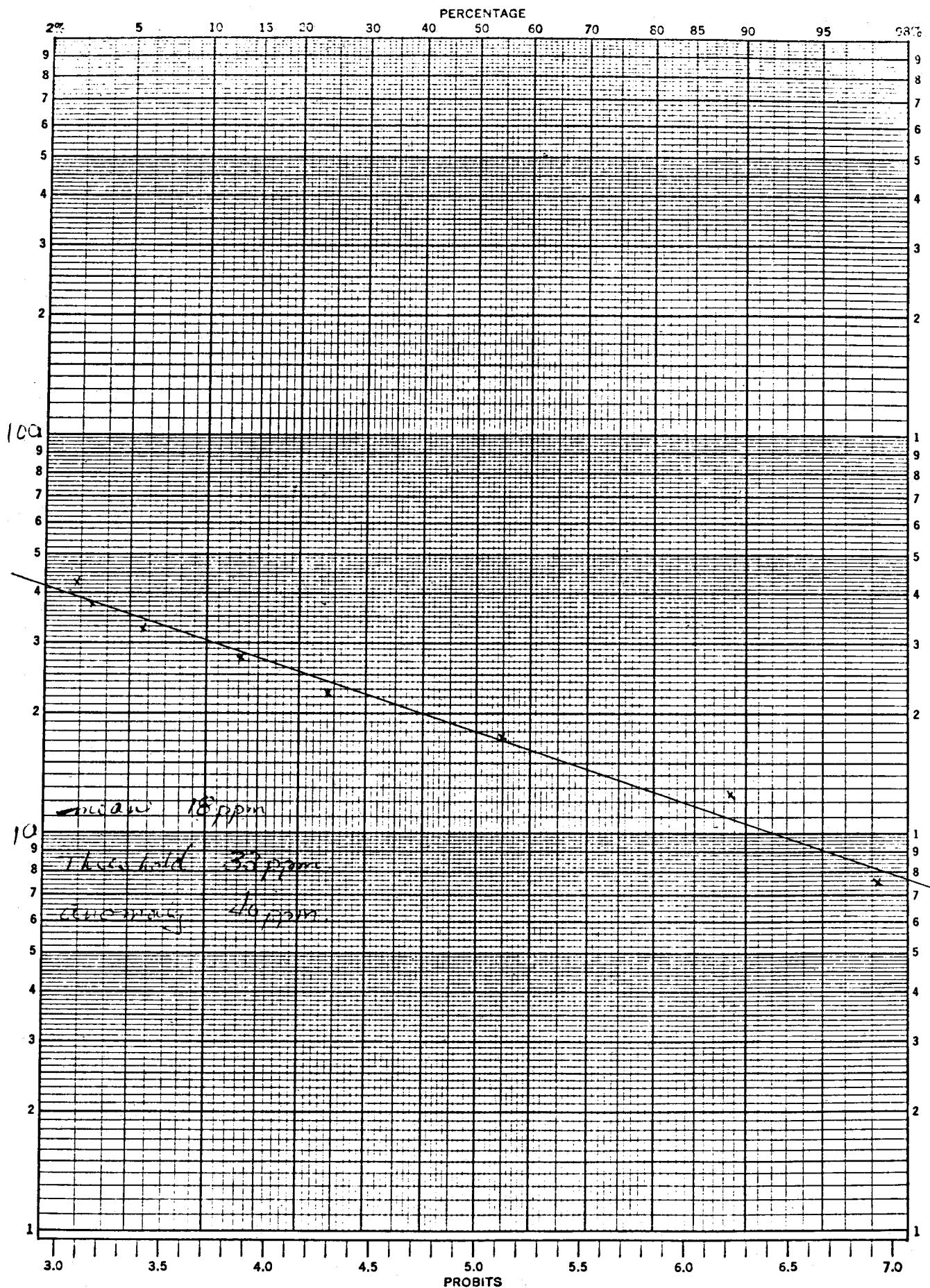
# SOAT CLAIM - SILVER IN SILTS



**K&E** PROBABILITY 46 8082  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.

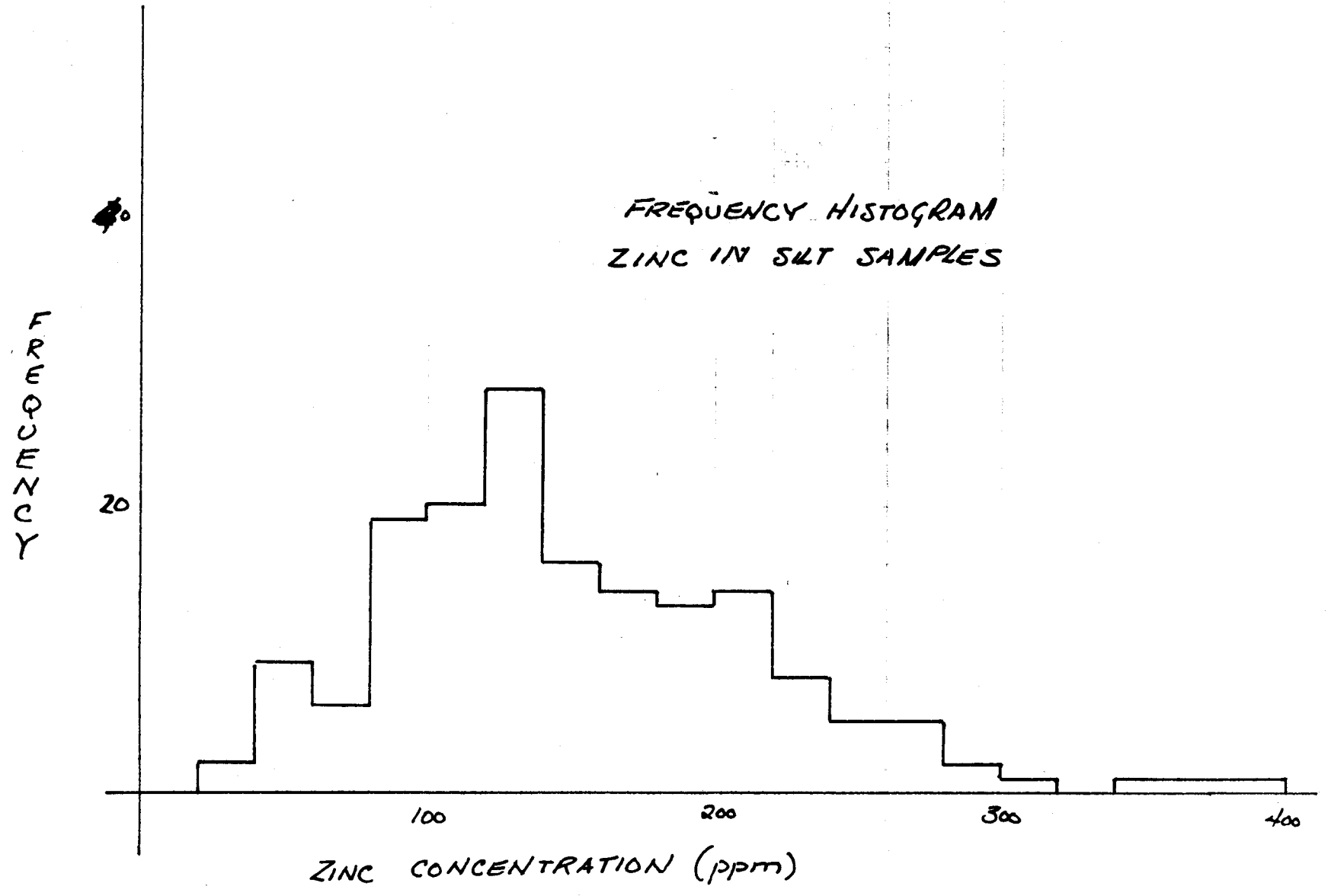


# SOOT CLAIM - LEAD IN SILTS

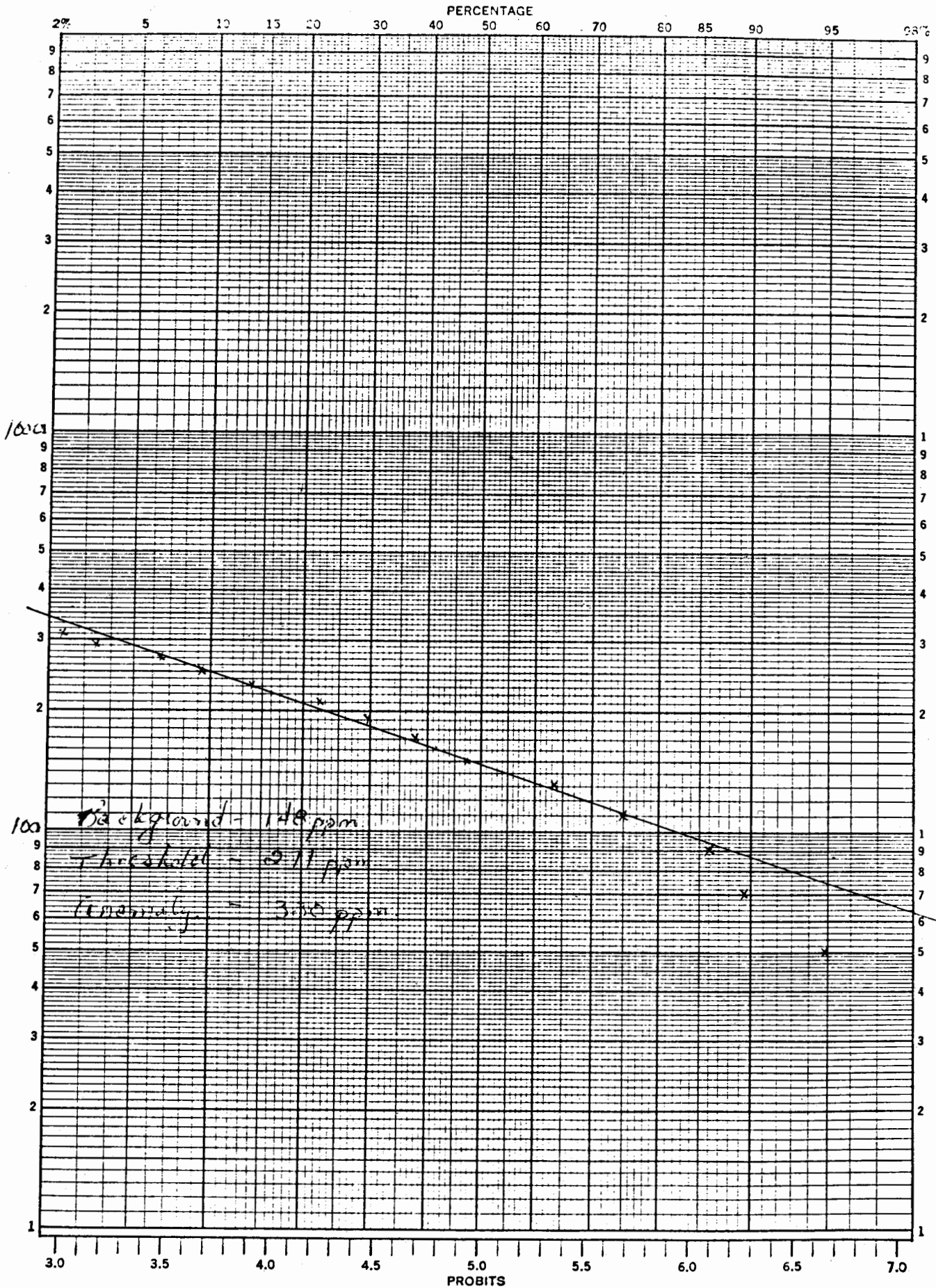


**K&E** PROBABILITY 46 8082  
 X 3 LOG CYCLES  
 MADE IN U. S. A.  
 KEUFFEL & ESSER CO.

FREQUENCY HISTOGRAM  
ZINC IN SALT SAMPLES



# SEAT CLAIM - ZINC IN SILT



FREQUENCY HISTOGRAM  
BARIUM IN SILT SAMPLES

FREQUENCY

40

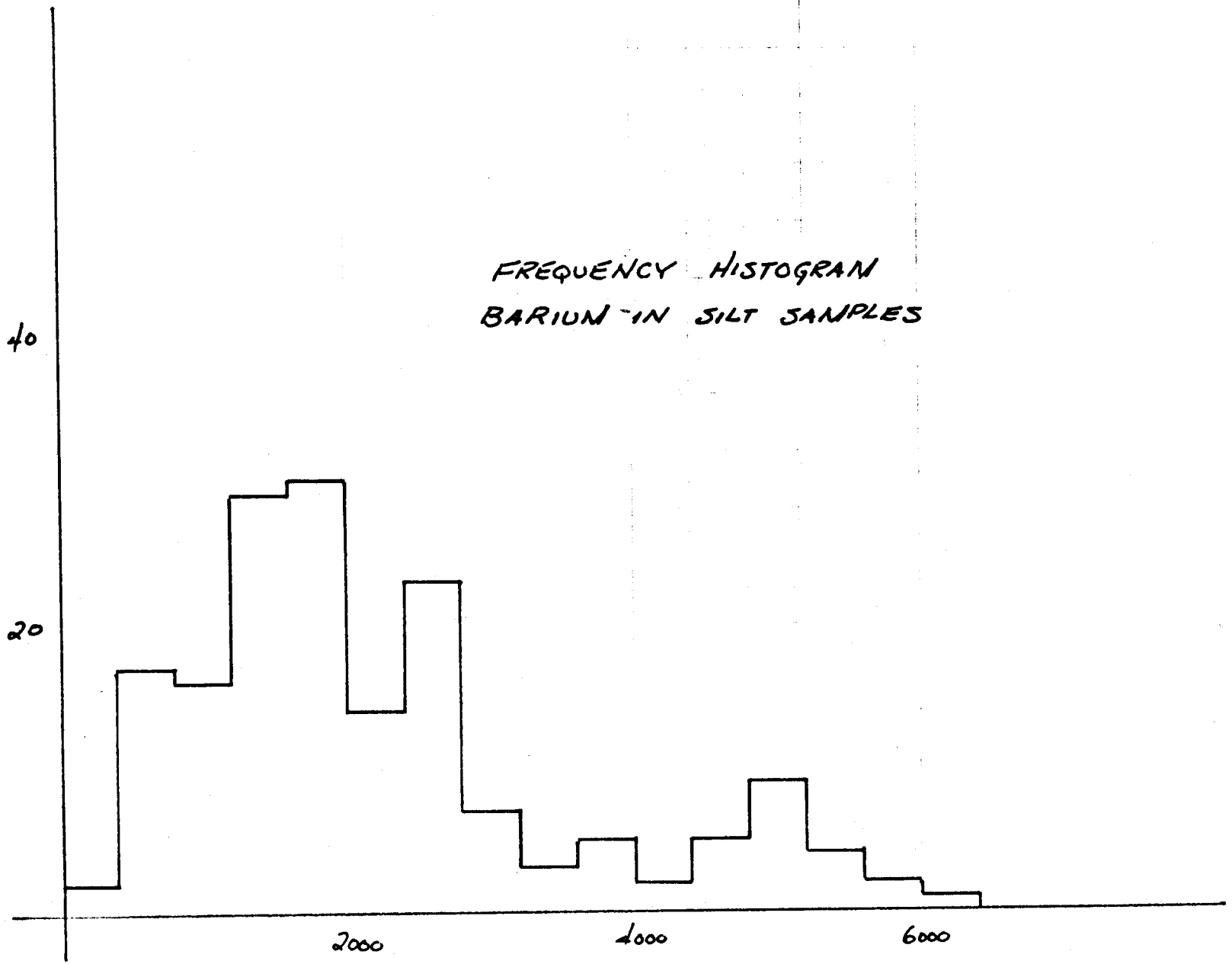
20

2000

4000

6000

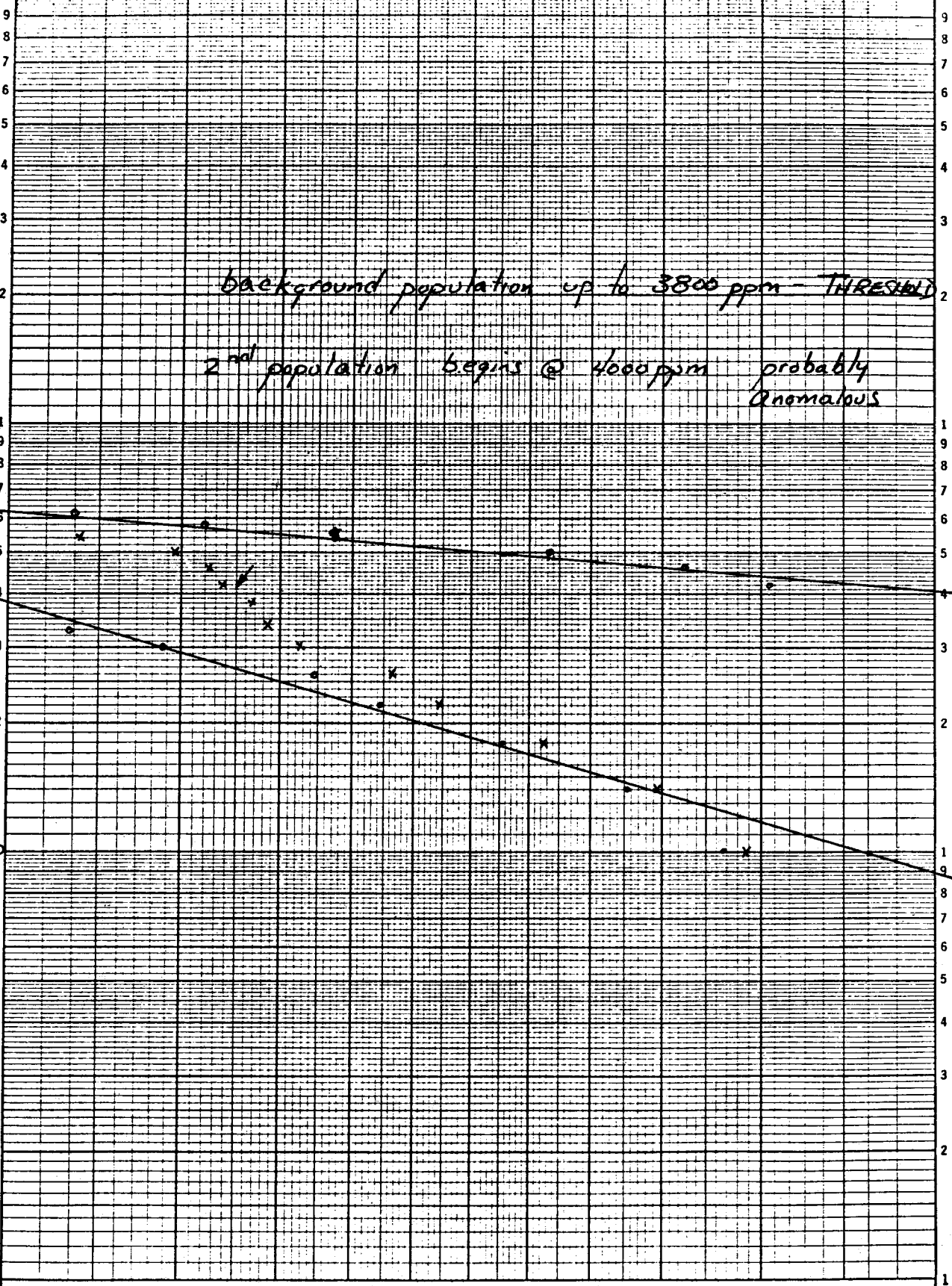
BARIUM CONCENTRATION (ppm)



# BARIUM IN SILT SAMPLES

PERCENTAGE

2% 5 10 15 20 30 40 50 60 70 80 85 90 95 98%



10000

1000

3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

PROBITS

K&E PROBABILITY 46 8082  
 X 3 LOG CYCLES  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.



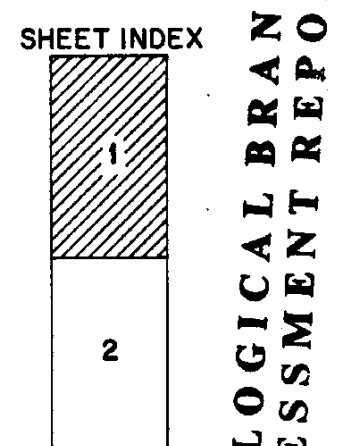
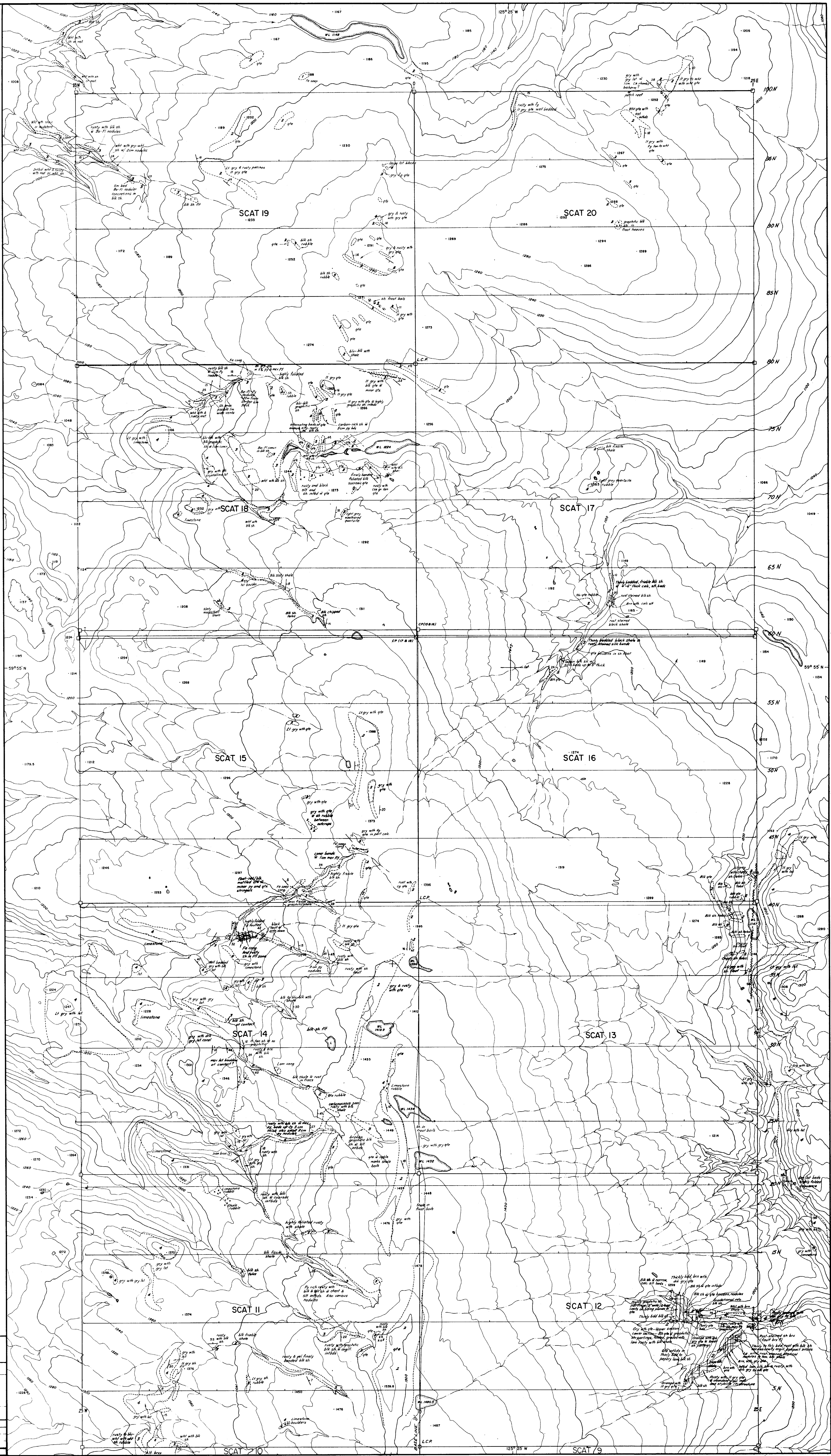
LEGEND

- 1 RECENT - ferricrete
- 2 LOWER CARBONIFEROUS MATTSON FORMATION  
-interbedded, quartzite, quartz sandstone, shale and limestone
- 3 UPPER DEVONIAN TO LOWER MISSISSIPPIAN BESA RIVER FORMATION  
-black shale with some chert and siltstone interbeds
- 4 MIDDLE DEVONIAN DUNEDIN FORMATION  
-fossiliferous, grey limestone

- Geological contact
- - - - - Outcrop
- ~ ~ ~ ~ ~ Fault
- ↗ Strike and dip
- ⊕ Horizontal bedding

- Contours (in metres), (depression contour)
- River or creek
- Lake
- △ Trig station

- LCP Legal Corner Post
- Corner Post



GEOLOGICAL BRANCH ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp - manuscript No 82-32  
 DATE OF PHOTOGRAPHY: 7th July, 1972  
 CONTOUR INTERVAL: 20 metres  
 DATUM: Geological Survey of Canada

UTAH MINES LTD.  
 EXPLORATION DEPARTMENT  
 VANCOUVER, BRITISH COLUMBIA  
 SCAT Pb/Zn PROSPECT

GEOLOGY

Scale 1:10,000 METRES 0 100 200 300 400 500 600 700 METRES	REVISIONS
NTS Ref.: 94-N-14	Work by: P. BURT
Drawn by: T. J. (Cartner), P. H. (Cartner)	Drawn by:
Date: Sept 1982	Date:



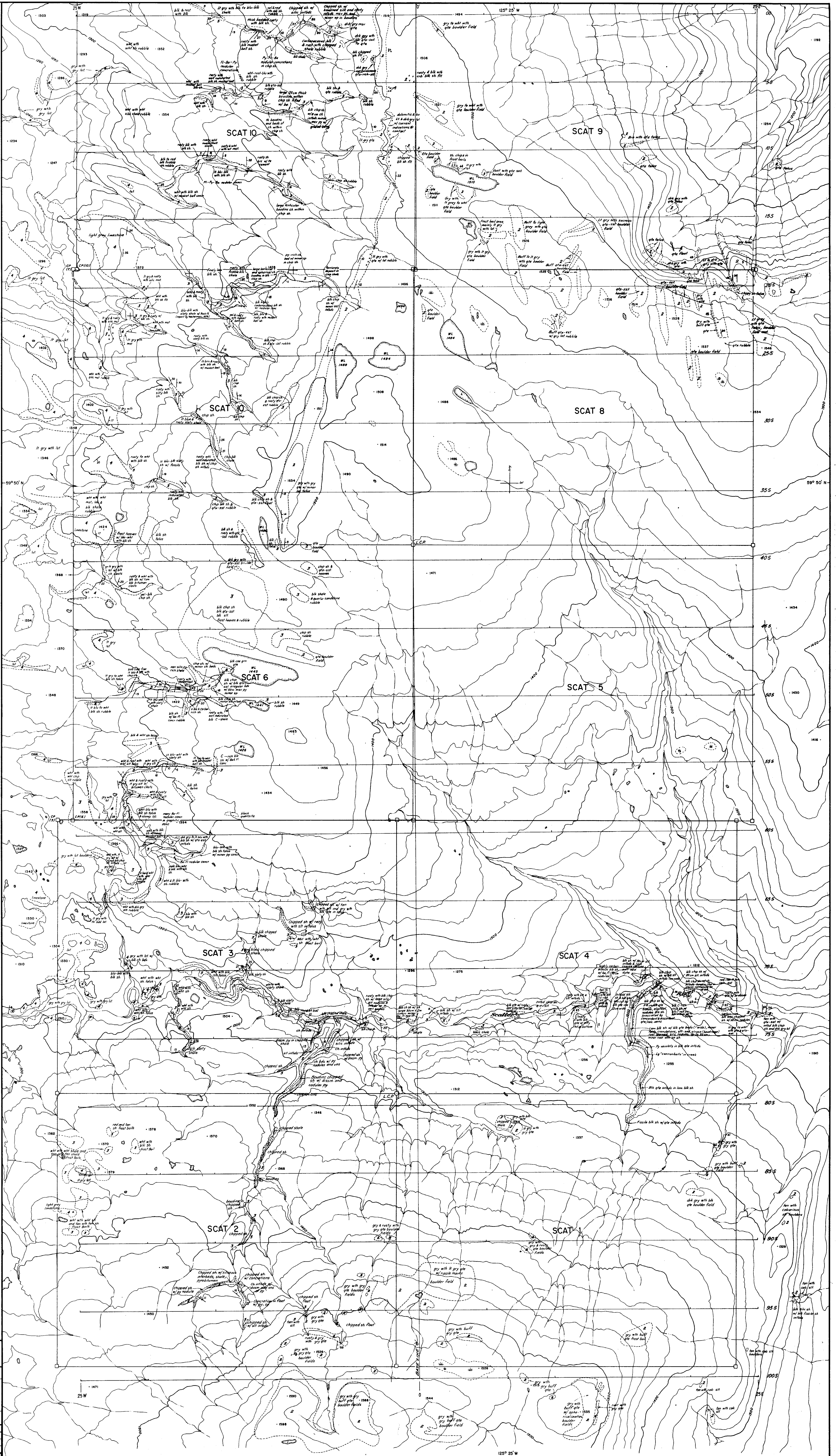
LEGEND

- 1 RECENT — ferricrete
- 2 LOWER CARBONIFEROUS MATTSON FORMATION — interbedded quartzite, quartz, sandstone, shale and limestone (May include Permian Sediments along Scatter Creek)
- 3 UPPER DEVONIAN TO LOWER MISSISSIPPIAN BESA RIVER FORMATION — black shale with some chert and siltstone interbeds
- 4 MIDDLE DEVONIAN DUNEDIN FORMATION — fossiliferous, grey limestone

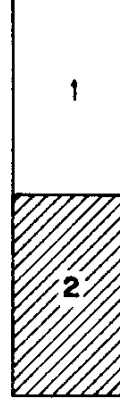
- Geological contact
- Outcrop
- Fault
- Strike and dip
- Horizontal bedding

- Contours (in metres)
- Depression contour
- River or creek
- Lake
- Trig. station

- Legal Corner Post
- Corner Post



SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. — manuscript No. 82-32  
DATE OF PHOTOGRAPHY: 7th July, 1972  
CONTOUR INTERVAL: 20 metres  
DATUM: G.S.C.

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
SCAT Pb/Zn PROSPECT

GEOLGY

Scale 1:10,000	
METRES 0 100 200 300 400 500 600 700 800 900 1000	
NTS Ref.: 94-N-14	REVISIONS
Work by: Phil Burt	Work by:
Drawn by: T.D. & R.N.G. (see page 1)	Drawn by:
Date: Aug. 1982	Date:



LEGEND

0.4 1.6 2.4 Silver values in ppm

ANOMALY CONTOURS

1.9 ppm  
1.2 ppm

Contours (1:1 = 20m)

Depression contour

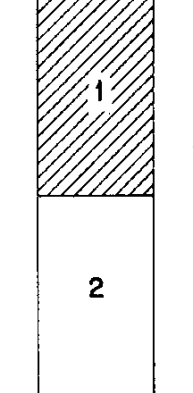
River or creek

Lake or pond

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. - manuscript No. 82-32  
DATE OF PHOTOGRAPHY: 7th July, 1972  
CONTOUR INTERVAL: 20 metres  
DATUM: Geological Survey of Canada

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

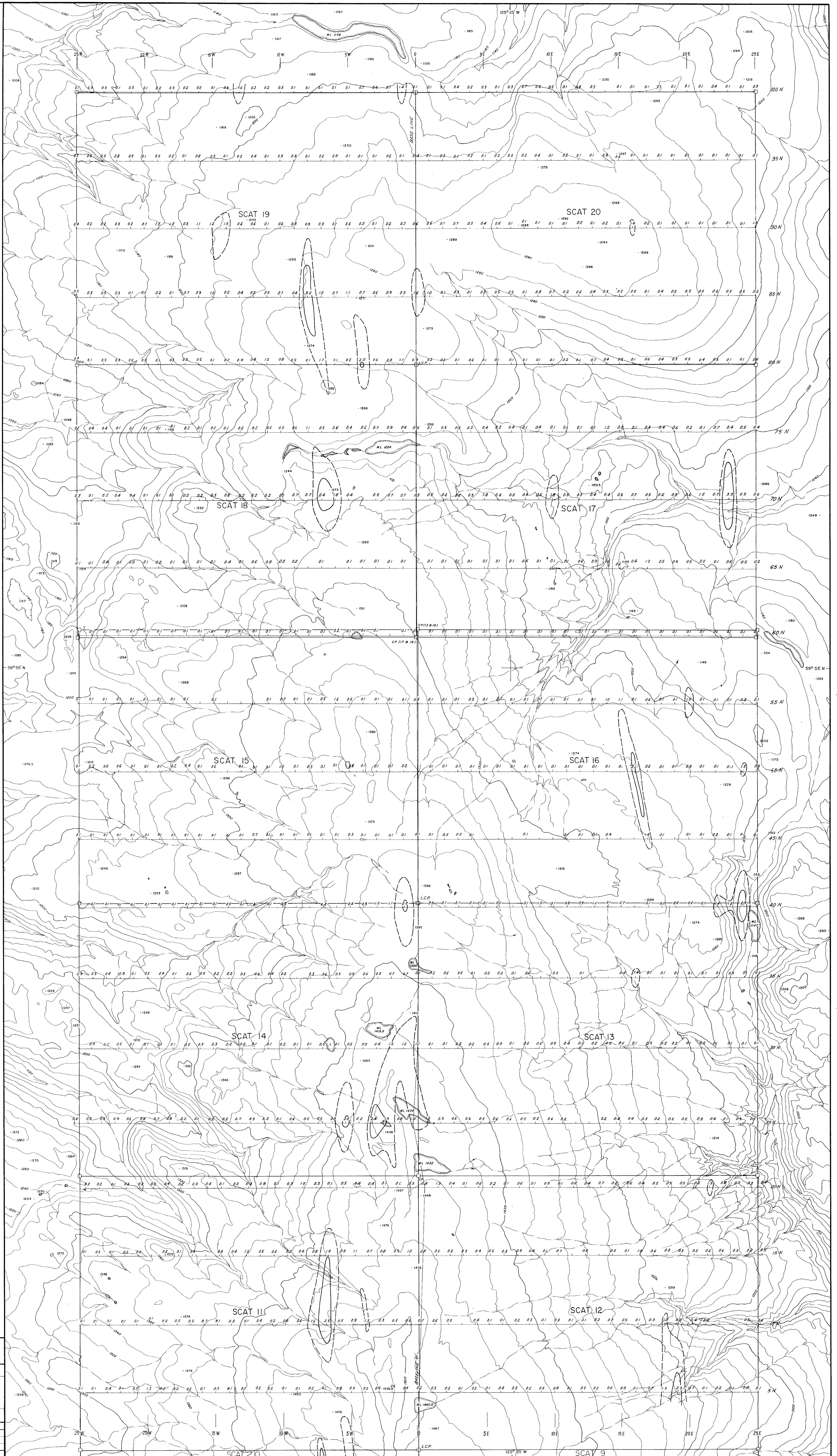
SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
SILVER (ppm)

Scale 1:10,000  
METRES 0 100 200 300 400 500 600 700 METRES

REVISIONS	
NTS Ref: 94-N-14	
Work by: P. BURT	
Drawn by: T. Drew, R.N. Copal	
Date: Sept 1982	

SHEET 1 MAP 3





LEGEND

0.7 0.8 0.9 Silver values in ppm

ANOMALY CONTOURS

1.9 ppm  
1.2 ppm

Contours (V.I. = 20m)

Depression contour

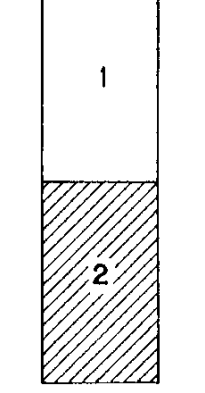
River or creek

Lakes or ponds

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. - manuscript No. 82-32

DATE OF PHOTOGRAPHY: 7th July, 1972

CONTOUR INTERVAL: 20 metres

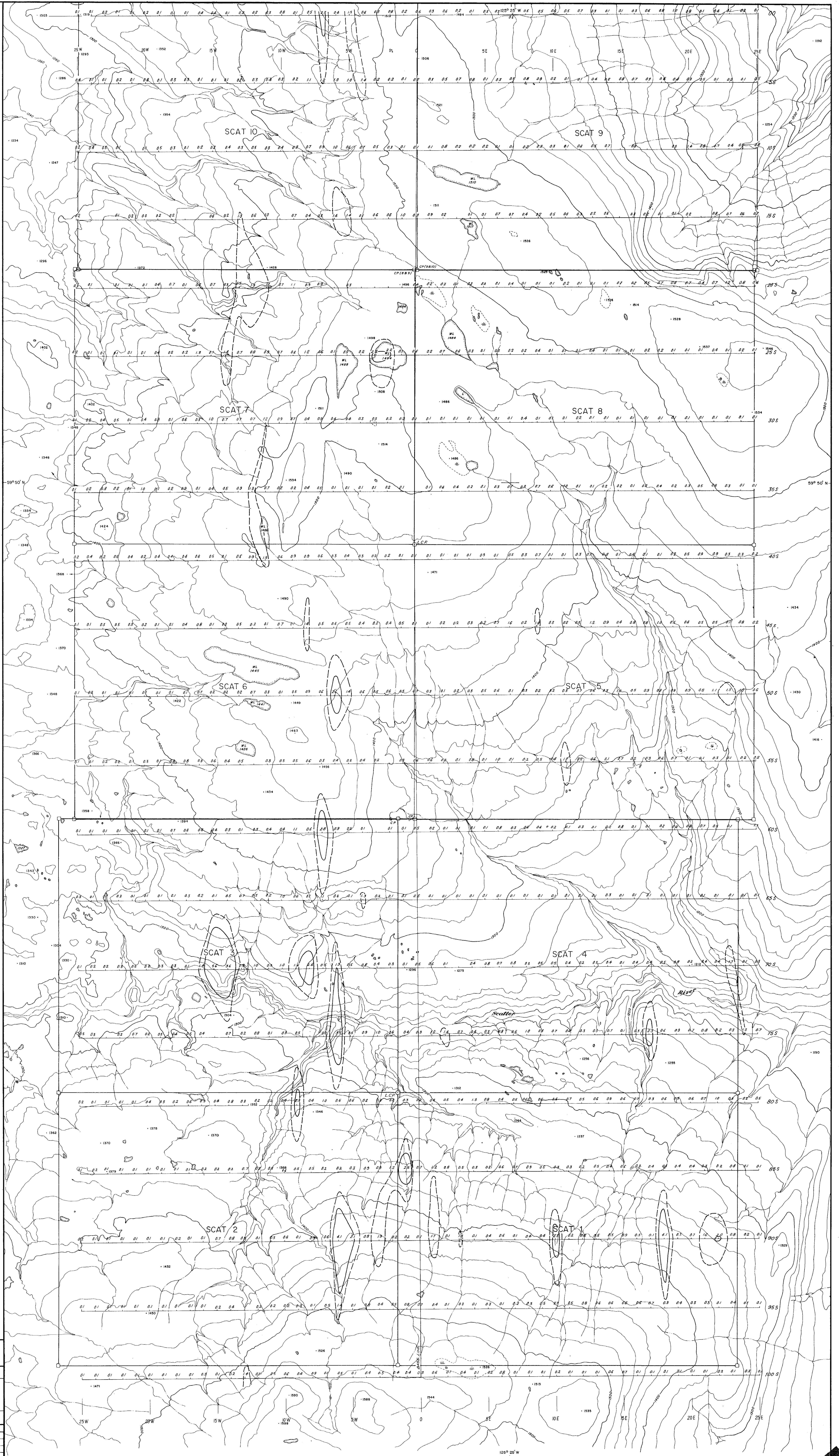
DATUM: G.S.C.

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
SILVER (ppm)

Scale 1:10,000	
METRES 0 100 200 300 400 500 600 700 METRES	
NTS Ref: 94-N-16	REVISIONS
Work by: P.H. Burt	
Drawn by: T.D. & R.N.G.	
Date: Sept. 1982	
SHEET 2	MAP 4





LEGEND

25 16 10 Lead values in ppm

ANOMALY CONTOURS

36 ppm  
28 ppm

1400 Contours (VI - 20m)

Depression Contour

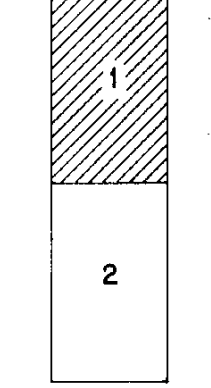
River or creek

Lake or pond

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. — manuscript No. 82-32

DATE OF PHOTOGRAPHY: 7th July, 1972

CONTOUR INTERVAL: 20 metres

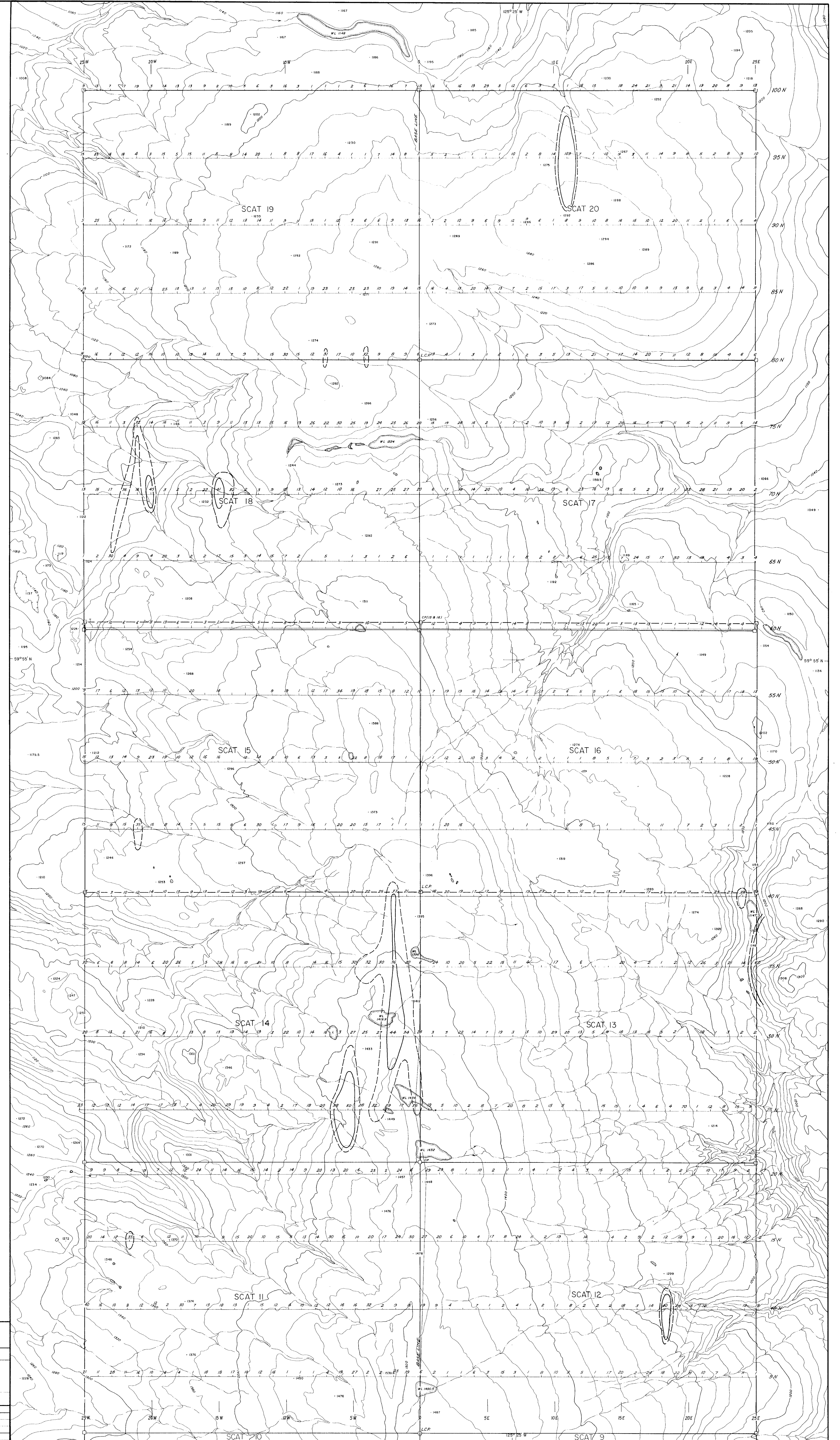
DATUM: Geological Survey of Canada

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
LEAD (ppm)

NTS Ref.: 94-N-14	REVISIONS
Work by: P. BURT	Work by:
Drawn by: T. Drown, R.N. Copal	Drawn by:
Date: Sept. 1982	Date:





LEGEND

44 53 56 Lead values in ppm

ANOMALY CONTOURS

36 ppm

28 ppm

Contours (1:20m)

Depression contour

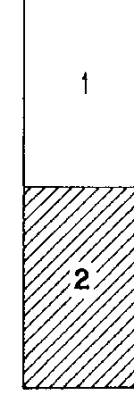
River or creek

Lake or pond

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810



SOURCE: Pacific Survey Corp. — manuscript No. 82-32

DATE OF PHOTOGRAPHY: 7th July, 1972

CONTOUR INTERVAL: 20 metres

DATUM: G.S.C.

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

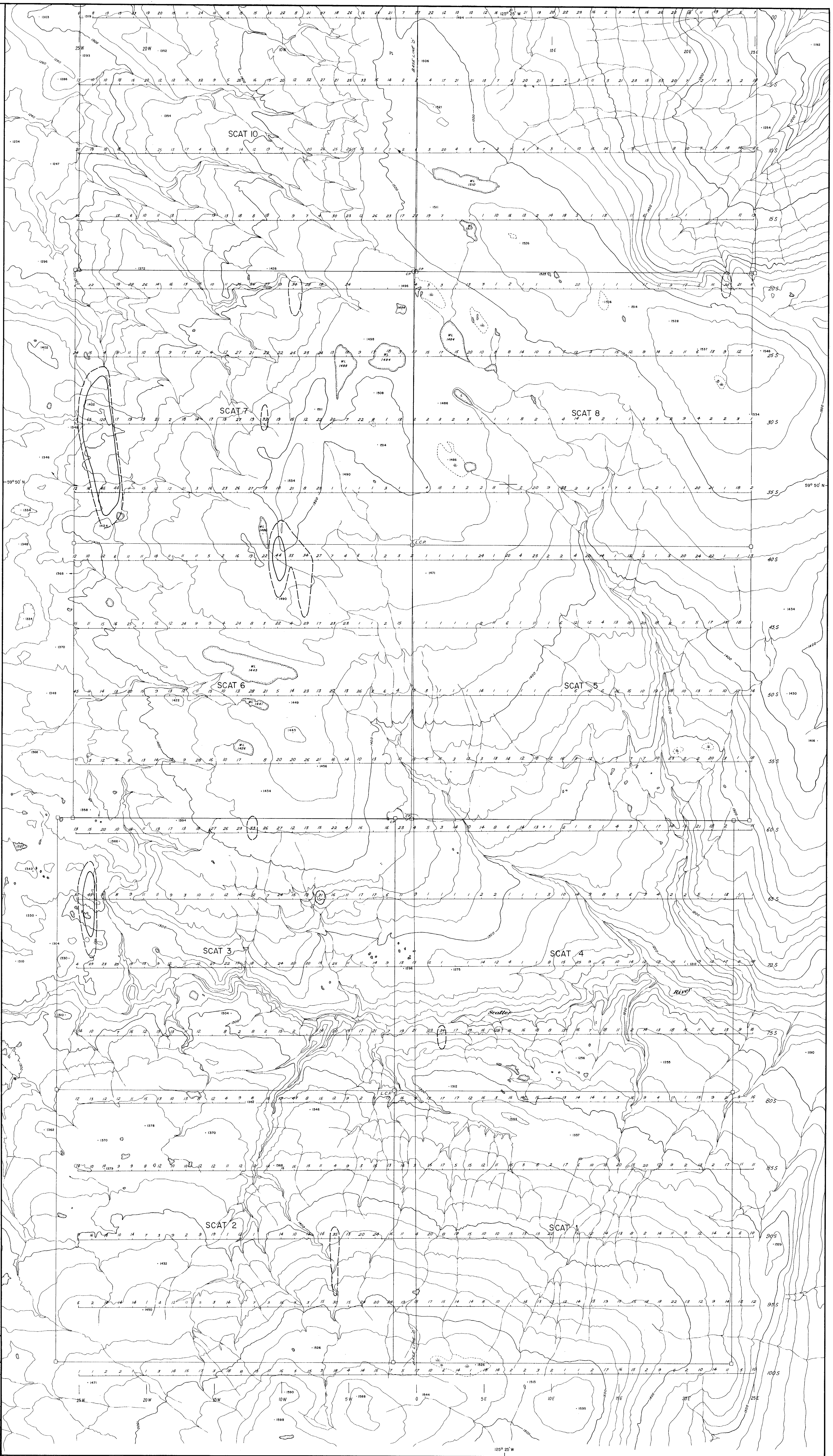
SOIL GEOCHEMISTRY  
LEAD (ppm)

Scale 1:10,000  
METRES 0 100 200 300 400 500 600 700 METRES

NTS Ref.:	34-N-14	REVISIONS
Work by:	PHI Bar	Work by:
Drawn by:	T.O. & R.N.G.	Drawn by:
Date:	Sept. 1982	Date:

SHEET 2

MAP 6





LEGEND

27 10 12 Zinc values in ppm

ANOMALY CONTOURS

230 ppm  
200 ppm

Contours (V.I. = 20m)

Depression contour

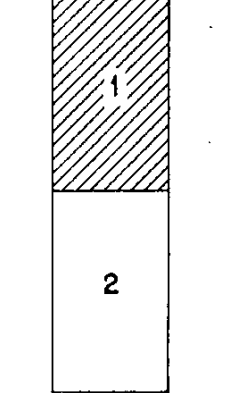
River or creek

Lake or pond

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. - manuscript No. 82-32

DATE OF PHOTOGRAPHY: 7th July, 1972

CONTOUR INTERVAL: 20 metres

DATUM: Geological Survey of Canada

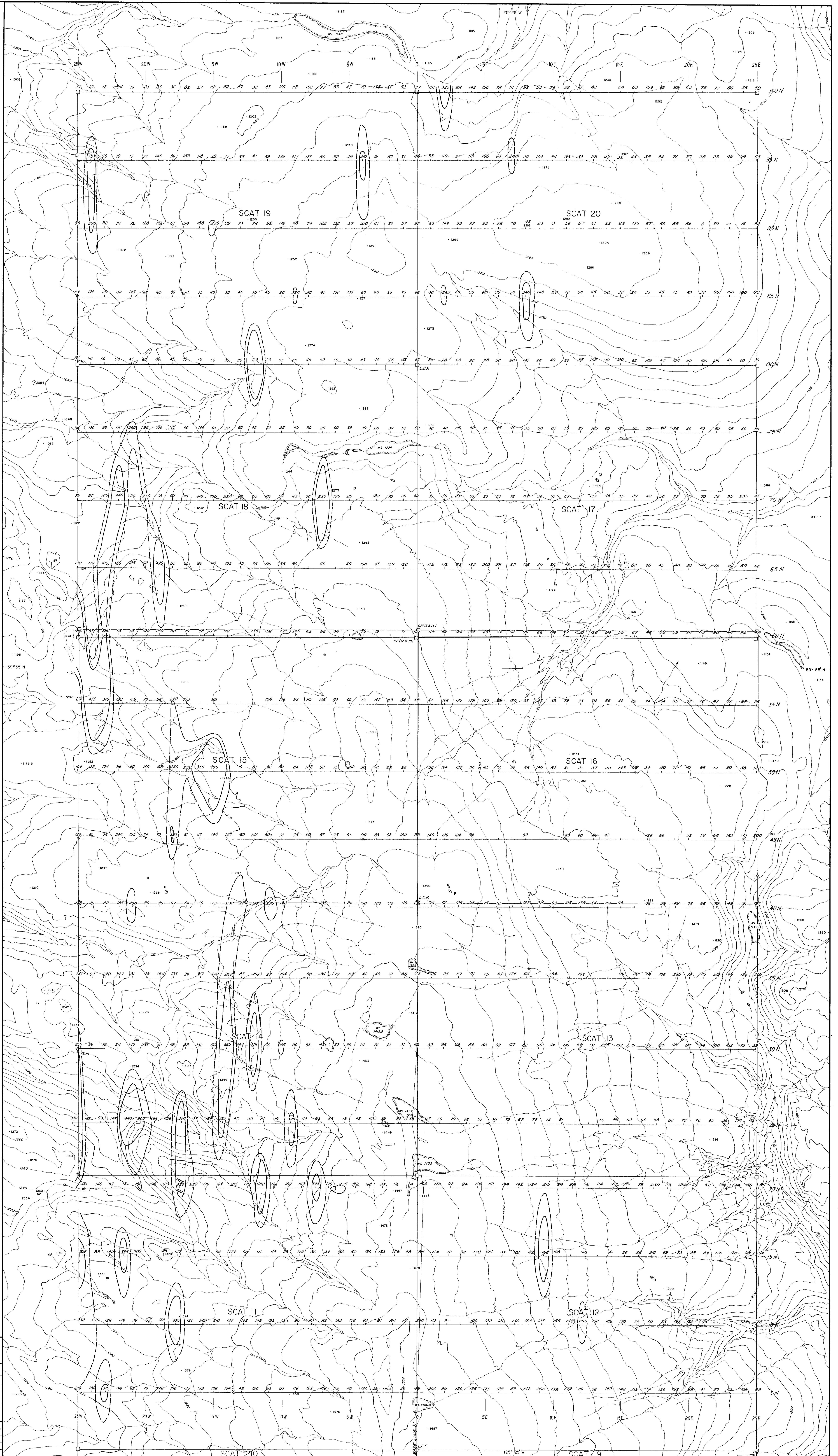
UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
ZINC (ppm)

Scale 1:10,000	
METRES 0 100 200 300 400 500 600 700 800 900 1000	
NTS Ref.: 94-N-14	REVISIONS
Work by: P. BURT	Work by:
Drawn by: T. Drewe, R.N. Gopal	Drawn by:
Date: Sept. 1982	Date:

SHEET 1

MAP 7





LEGEND

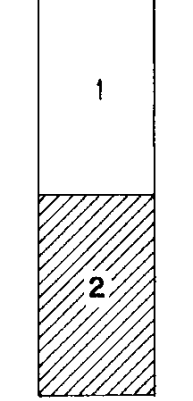
Zinc values in ppm

ANOMALY CONTOURS  
 250 ppm  
 200 ppm

Contours (V.I. = 20m)  
 Depression contour  
 River or creek  
 Lake or pond

Legal Corner Post  
 Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

10,810

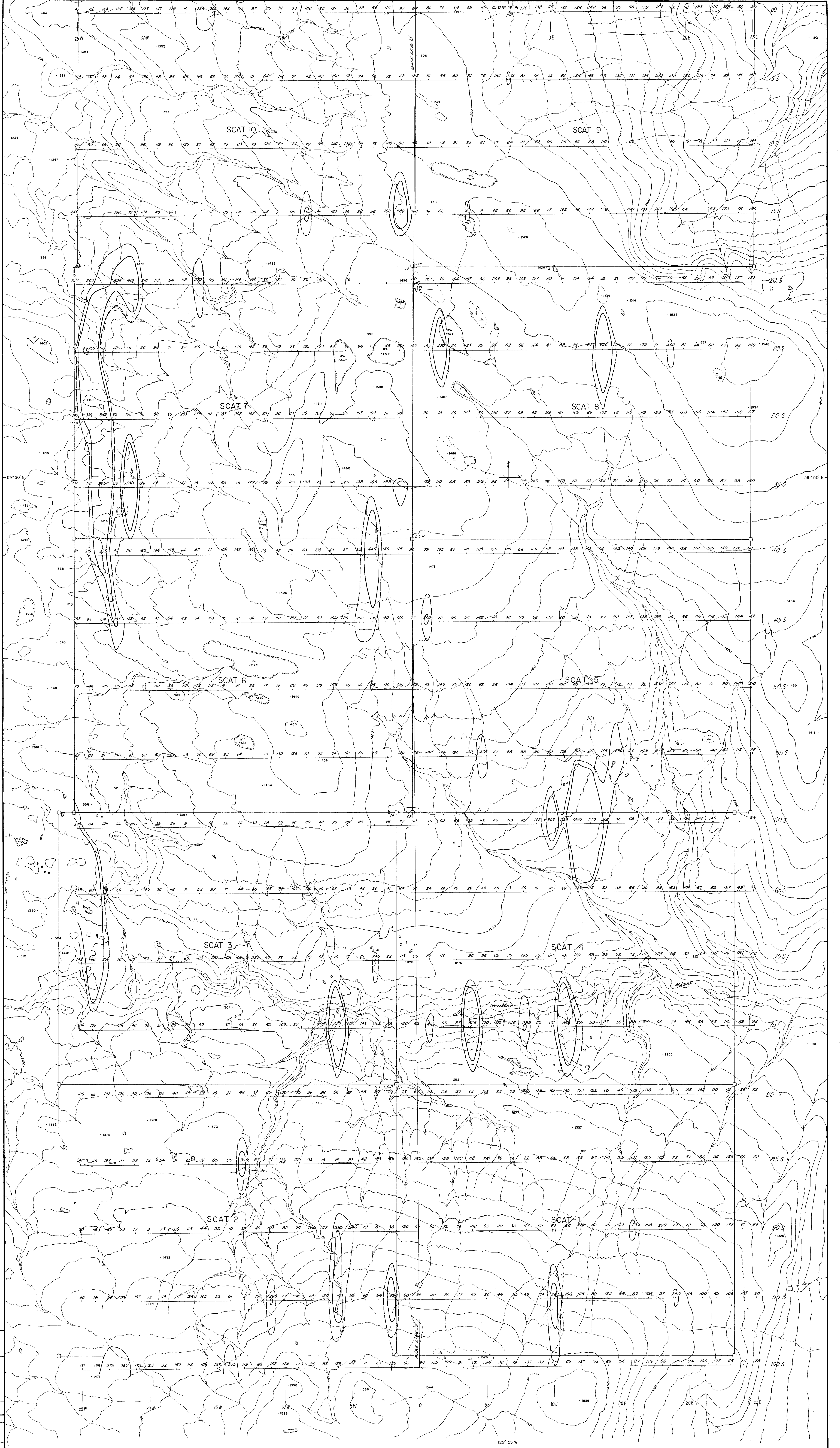
SOURCE: Pacific Survey Corp. - manuscript No. 82-32  
 DATE OF PHOTOGRAPHY: 7th July, 1972  
 CONTOUR INTERVAL: 20 metres  
 DATUM: G.S.C.

UTAH MINES LTD.  
 EXPLORATION DEPARTMENT  
 VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
 ZINC (ppm)

REVISIONS	
NTS Ref.: 94-N-14	
Work by: Phil Burt	Work by:
Drawn by: T.O. B.R.N.G.	Drawn by:
Date: Sept 1982	Date:





LEGEND

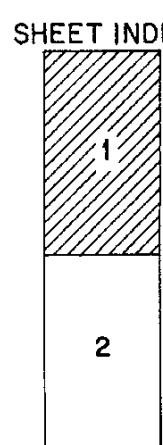
600 700 800 Barium values in ppm

ANOMALY CONTOURS

3600 ppm  
2850 ppm

1000 Contours (VI=20m)  
Depression contour  
River or creek  
Lake or pond

Legal Corner Post  
Corner Post



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

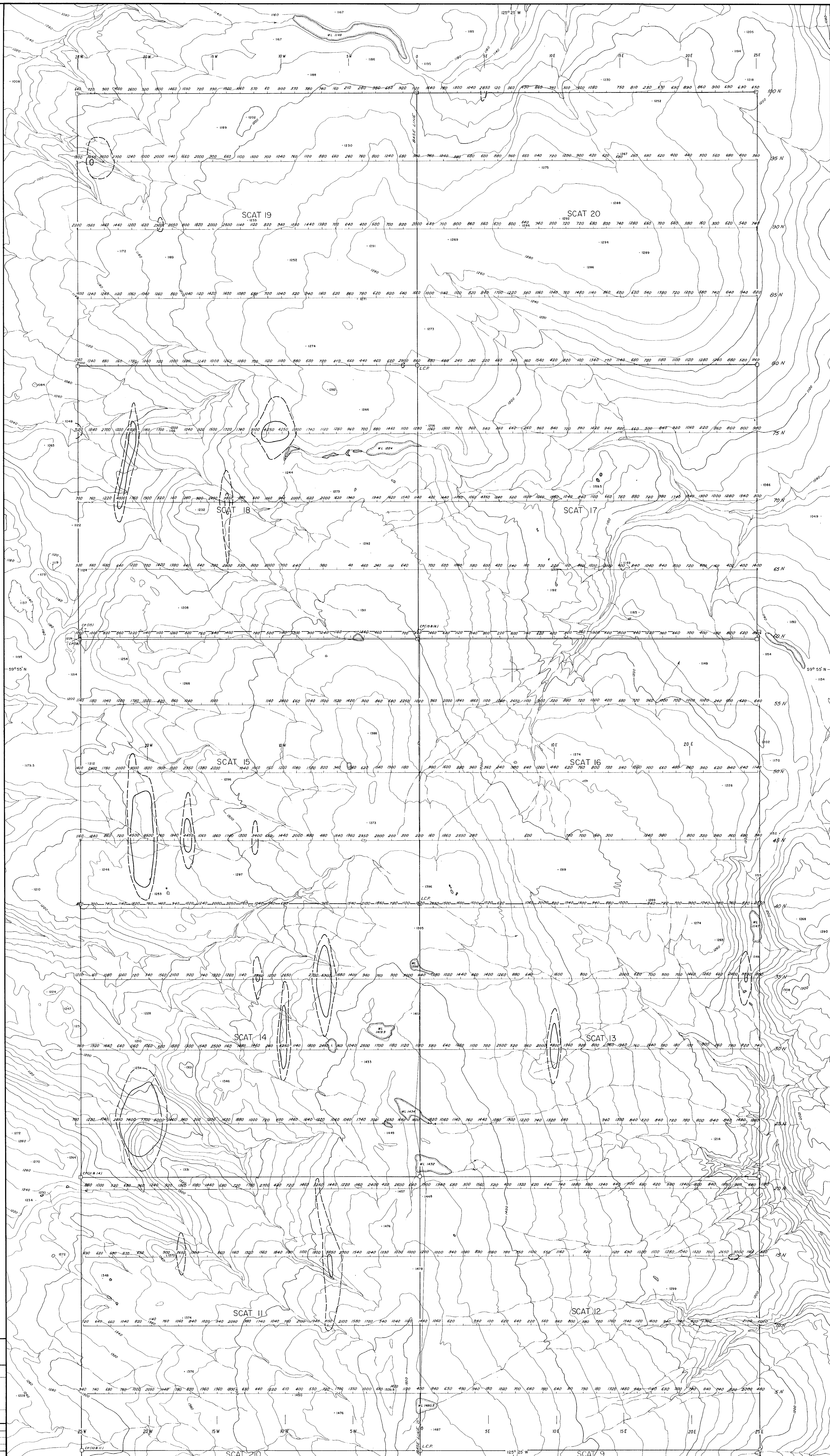
SOURCE: Pacific Survey Corp - manuscript No. 82-32  
DATE OF PHOTOGRAPHY: 7th July, 1972  
CONTOUR INTERVAL: 20 metres  
DATUM: Geological Survey of Canada

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
BARIUM (ppm)

NTS Ref.: 94-N-14	REVISIONS
Work by: P BURT	Work by:
Drawn by: T. DAVIS, R. M. GOSSEL	Drawn by:
Date: Sept. 1982	Date:





LEGEND

670 620 100 Barium values in ppm

ANOMALY CONTOURS

3600 ppm  
2830 ppm

Contours (V.I. = 20m)

Depression contour

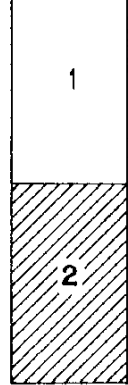
River or creek

Lake or pond

Legal Corner Post

Corner Post

SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. - manuscript No 82-32

DATE OF PHOTOGRAPHY: 7th July, 1972

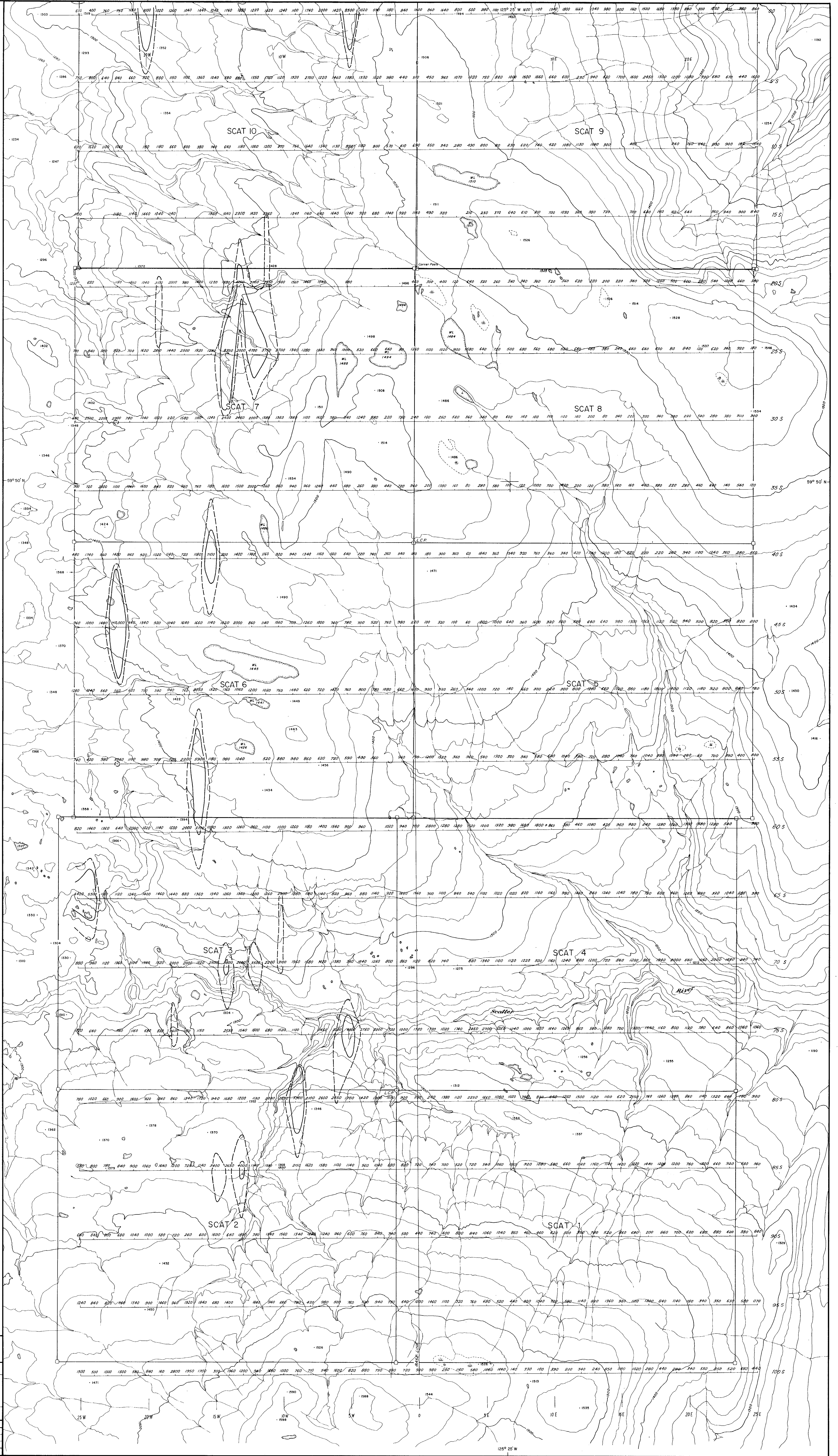
CONTOUR INTERVAL: 20 metres

DATUM: G.S.C.

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SOIL GEOCHEMISTRY  
BARIUM (ppm)



NTS Ref: 94-N-14	REVISIONS
Work by: Phil Sutt	Work by:
Drawn by: T.D. & R.N.G.	Drawn by:
Date: Sept. 1982	Date:



**LEGEND**

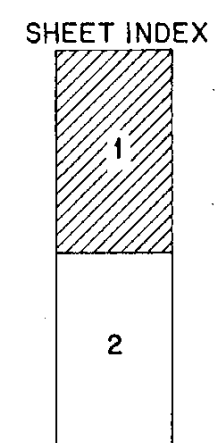
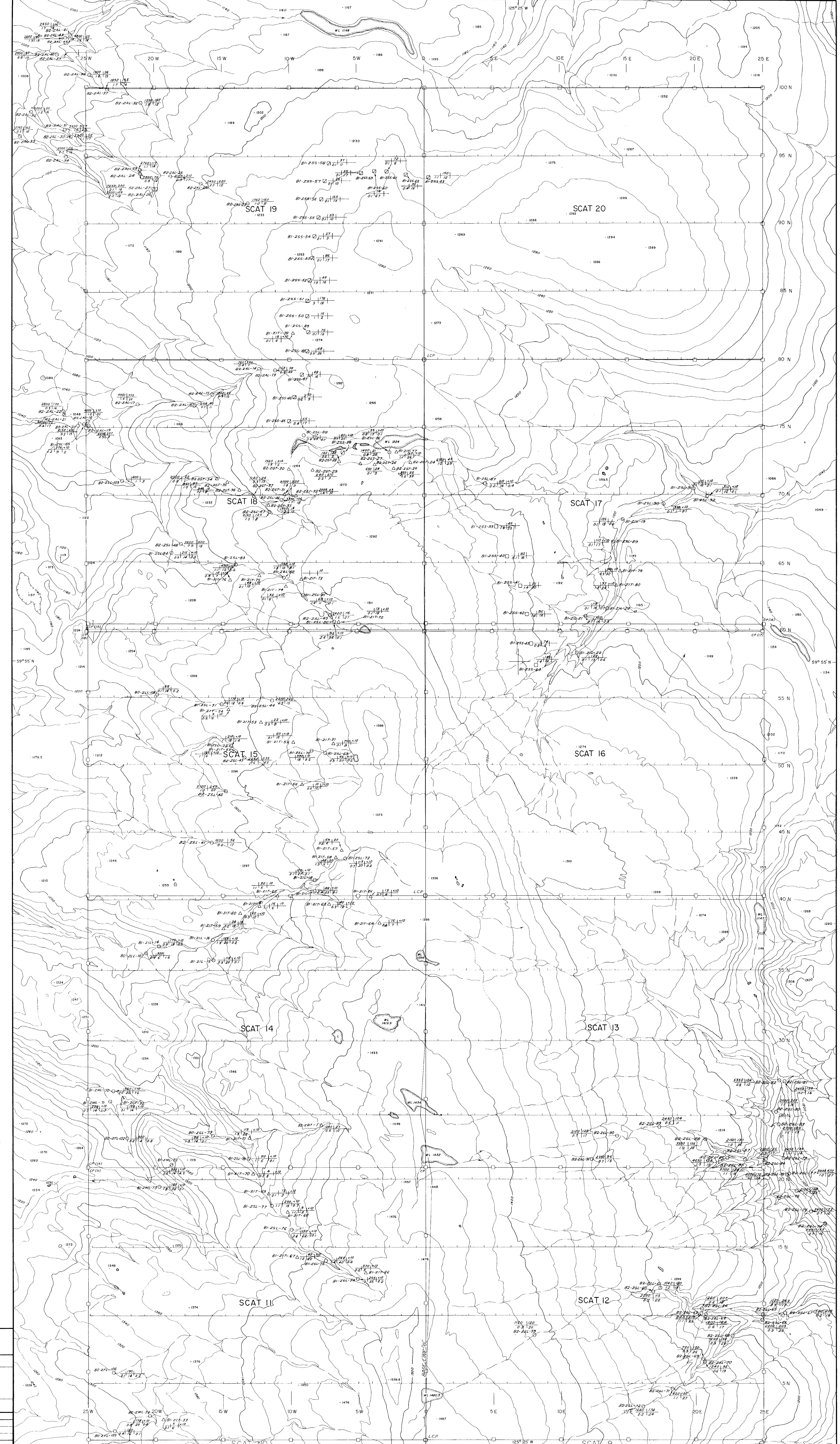
- L-O Soil sample
- S-O Soil sample
- T-Δ Rock sample

82-241-33 Sample number

200 1.20/1.10 Ba (ppm) Zn (ppm) Au (ppb)  
2.9 1.17 Ag (ppm) Pb (ppm) Cd (ppm)

□ LCP Legal Corner Post

□ Corner Post (CP) or Identification post



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**10.810**

SOURCE : Pacific Survey Corp — manuscript No 82-32

DATE OF PHOTOGRAPHY : 7th July, 1972

CONTOUR INTERVAL : 20 metres

DATUM : Geological Survey of Canada

**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

**SAMPLE LOCATIONS  
&  
GEOCHEMISTRY**

METRES 0 100 200 300 400 500 600 700 METRES  
Scale 1:100,000

NTS Ref : 94-70-14 REVISIONS

Work by : P. BURT

Drawn by : T. Drews, R.N. Gopal

Date : Nov 1982

SHEET 1 MAP II



LEGEND

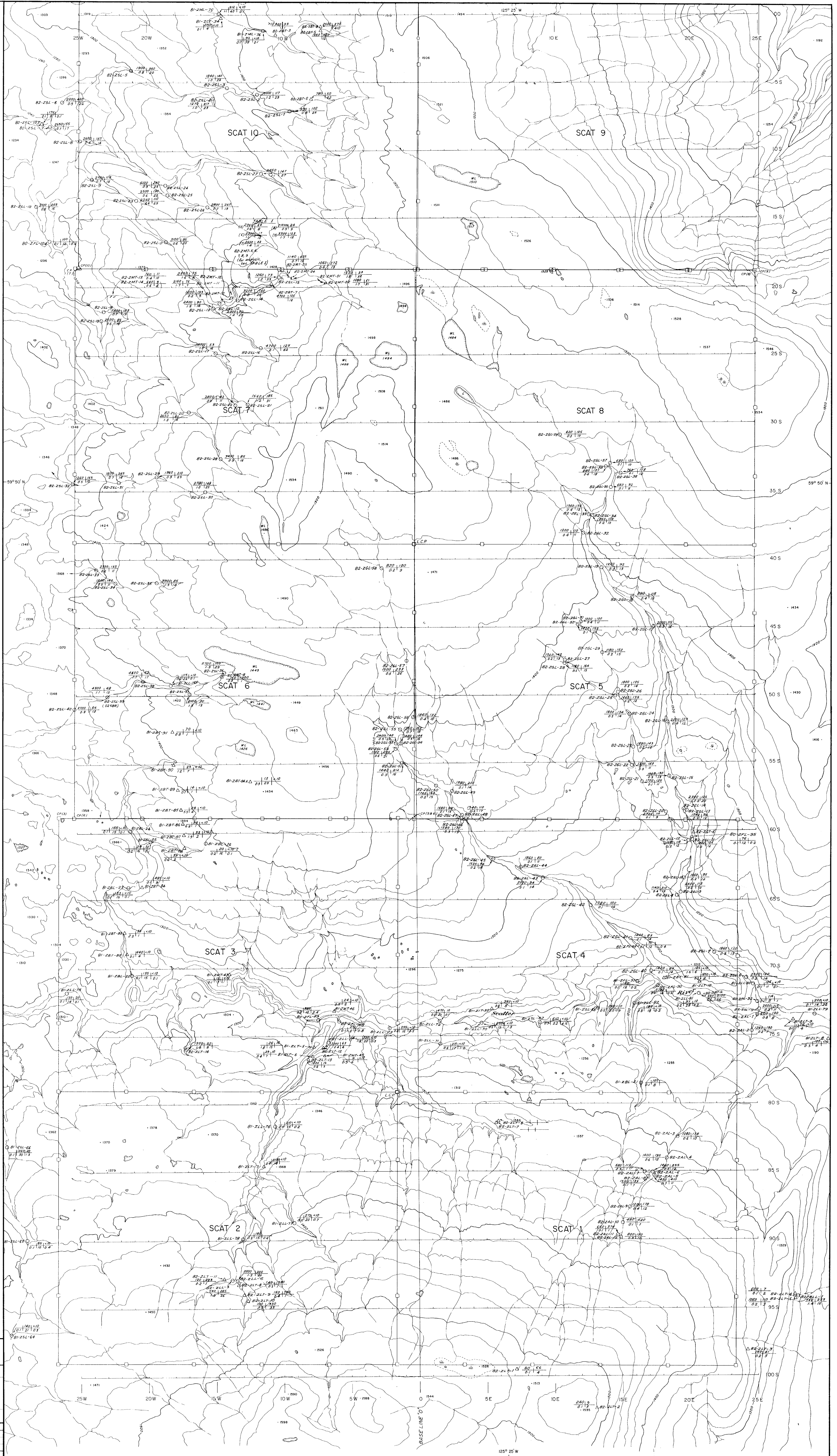
- Silt sample
- △ Rock sample
- ✓ Chip sample

82-251-7 Sample number

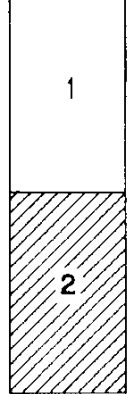
82-251-7 Ba (ppm) Zn (ppm) Au (ppb)  
82-251-7 Ag (ppm) Pb (ppm) Cu (ppm)

□ L.C.P. Legal Corner Post

□ Corner Post (CP) or Identification post



SHEET INDEX



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,810

SOURCE: Pacific Survey Corp. - manuscript No. 82-32  
DATE OF PHOTOGRAPHY: 7th July, 1972  
CONTOUR INTERVAL: 20 metres  
DATUM: G.S.C.

UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

SCAT Pb/Zn PROSPECT

SAMPLE LOCATIONS  
&  
GEOCHEMISTRY

Scale 1:10,000 METRES 0 100 200 300 400 500 600 700 METRES	
NTS Ref.: 94-N-14	REVISIONS
Work by: Phil Durr	Work by:
Drawn by: T.D. & R.N.G.	Drawn by:
Date: Nov 1982	Date: