

1981

GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT

ON THE

W.H.D.B. CLAIMS

DENAIN CREEK AREA

CLINTON MINING DIVISION

NTS 92 0/3

51° 05'N 123° 17'W

By J.R. Deighton  
Utah Mines Ltd.  
Vancouver, B.C.

December 1981

10,191

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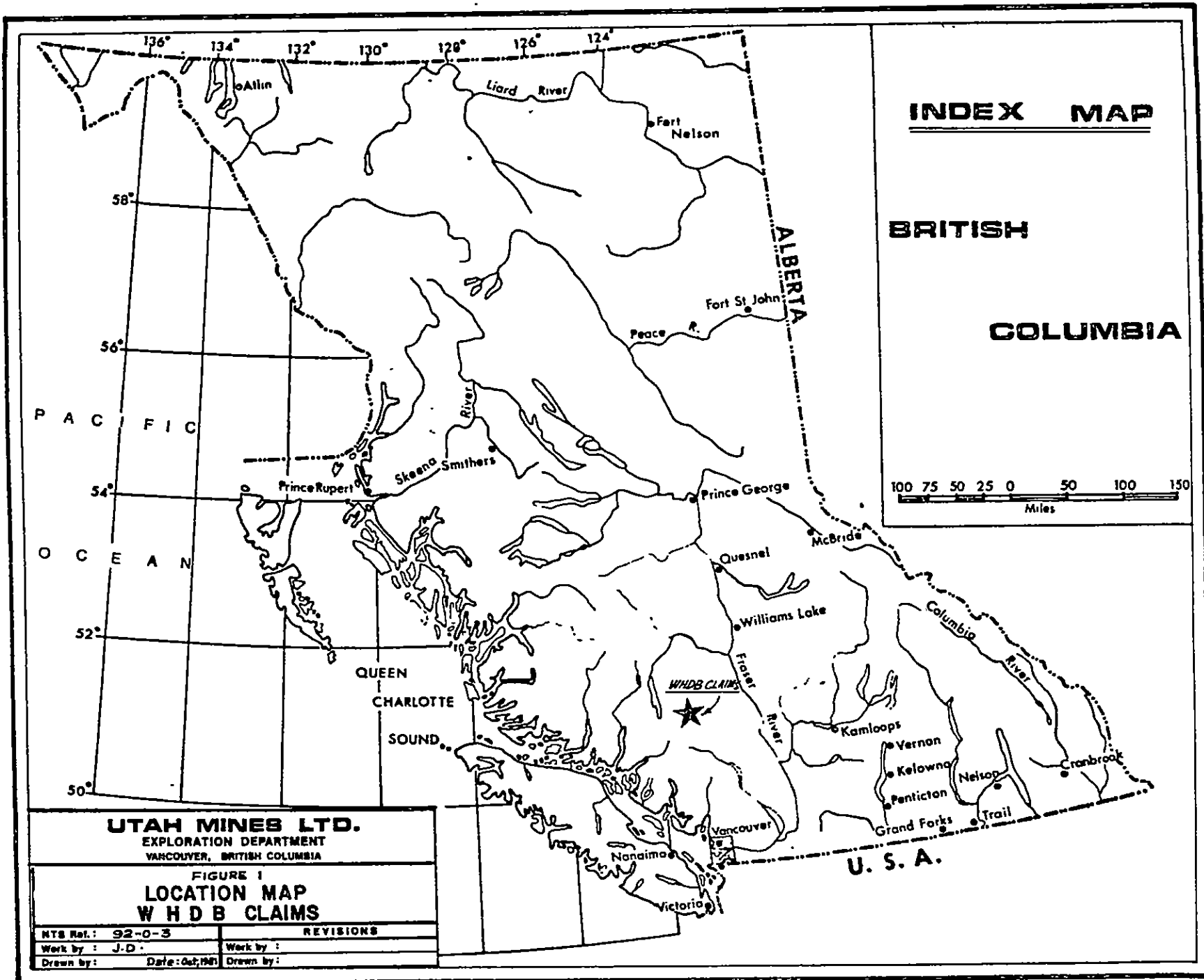
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**INDEX MAP**

**BRITISH COLUMBIA**



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

**FIGURE 1  
LOCATION MAP  
W H D B CLAIMS**

NTS Ref. : 92-0-3		REVISIONS	
Work by : J.D.		Work by :	
Drawn by :	Date : Oct 1961	Drawn by :	

LAND STATUS

The W.H.D.B. 1-4 mineral claims, located in the Clinton Mining Division were acquired by staking on March 3 and 4, 1981. The claims were recorded on March 12, 1981.

CLAIM NAME	UNITS	RECORD NO.	RECORD DATE	EXPIRY DATE
WHDB 1	9	994	Mar. 12/81	Mar. 12/82
WHDB 2	18	995	Mar. 12/81	Mar. 12/82
WHDB 3	20	996	Mar. 12/81	Mar. 12/82
WHDB 4	20	997	Mar. 12/81	Mar. 12/82
	<u>67</u>			

MAPPING CONTROL

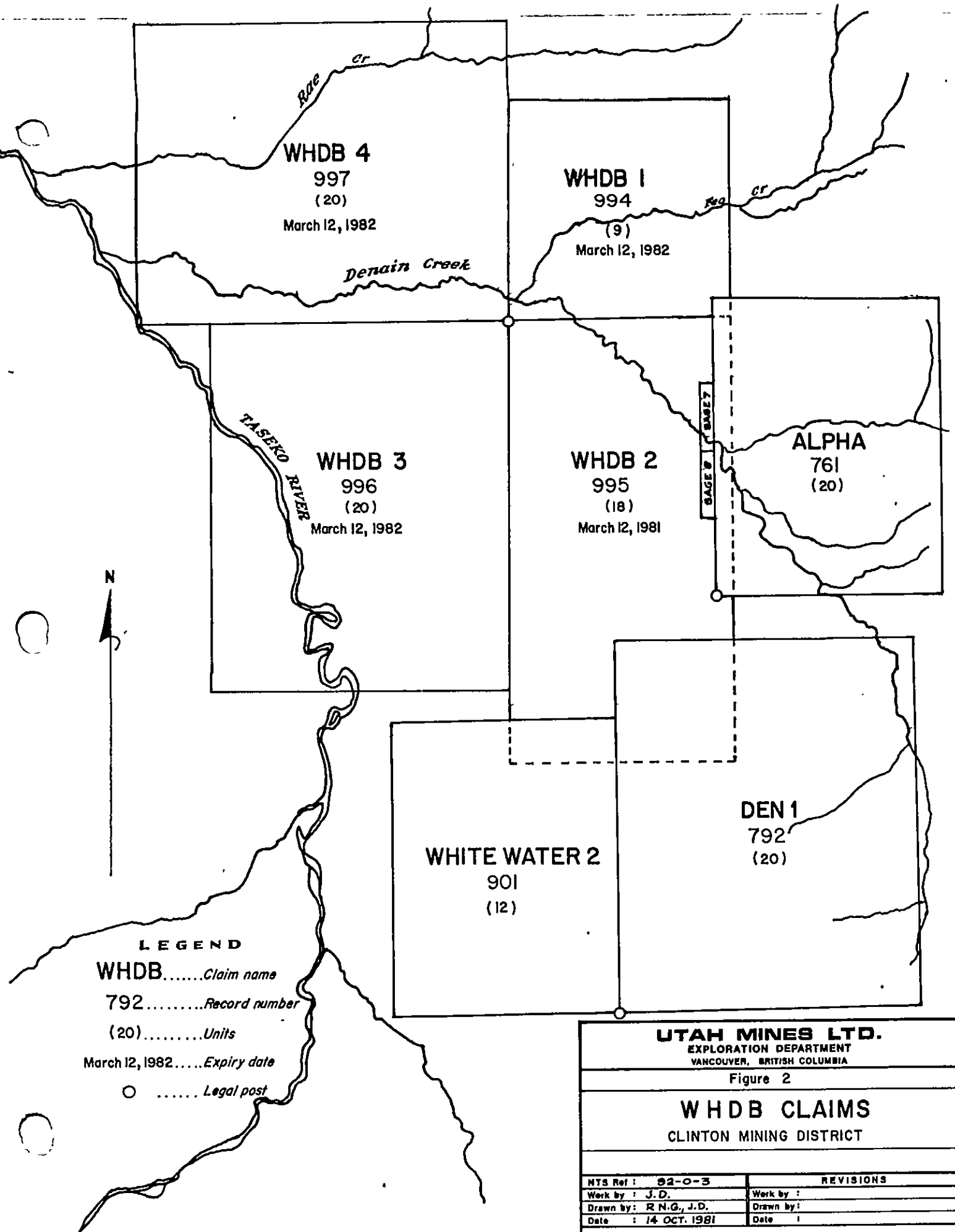
The base map for the Geological Mapping program on the W.H.D.B. claims was a 1:10,000 scale redrafted blowup of the government 1:50,000 scale topographic map of N.T.S. 92 0/3.

HISTORY

The area in and around the W.H.D.B. claims has long been a location of exploration and mining. The bog iron deposits located in the valleys and the gold mineralization at the Taylor Windfall property, 5 km to the northwest, have been known since the early 1900's.

It must have been during this period that several small adits, test pits and sluicing ditches were put in on the W.H.D.B. claims to test both the bog iron deposits and several quartz veins.

With the advent of porphyry copper exploration, starting in the 1950's, the area has been held by several companies and individuals; namely Phelps Dodge, Asarco, Kennco, Scurry Rainbow. Geological mapping and soil grids were carried out over portions of the area by these companies which showed some copper-molybdenum soil and silt anomalies (see Assessment Report 2803). Kennco also carried out an I.P. survey over the southwestern portion of the claim block (see Assessment Report 556).



**WHDB 4**

997

(20)

March 12, 1982

**WHDB 1**

994

(9)

March 12, 1982

*Denain Creek*

**WHDB 3**

996

(20)

March 12, 1982

**WHDB 2**

995

(18)

March 12, 1981

**ALPHA**

761

(20)

**DEN 1**

792

(20)

**WHITE WATER 2**

901

(12)

**LEGEND**

**WHDB**.....*Claim name*

792.....*Record number*

(20).....*Units*

March 12, 1982.....*Expiry date*

○ ..... *Legal post*

**UTAH MINES LTD.**

EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

Figure 2

**WHDB CLAIMS**

CLINTON MINING DISTRICT

HTS Ref : 92-0-3

REVISIONS

Work by : J.D.

Work by :

Drawn by : R.N.G., J.D.

Drawn by :

Date : 14 OCT. 1981

Date :

### LOCATION AND ACCESS

The W.H.D.B. Property is located approximately 198 kilometers north of Vancouver at the junction of Denain and Feo Creeks a tributary of the Taseko River (Figure 1). It lies on the eastern edge of the coast range mountains in typically rugged terrain at 51°05'N latitude and 123°17'W longitude.

Access to the property during the program was via helicopter from Utah's base camp on Tyaughton Lake, 36 kilometers to the southeast. Road access to the property comes within 5 kilometers to the northwest at the Taylor Windfall Property. The Taylor Windfall Mine is road accessible from Williams Lake a distance of 138 air kilometers to the northwest.

### SUPPORT AND SUPPLIES

Helicopter support for the program was obtained from Quaisar Helicopters Ltd. who was operating under contract to Utah Mines Ltd. and was stationed at Tyaughton Lake.

Supplies were obtained from Lillooet and brought into Utah's base camp, via pickup truck, a distance of 110 kilometers.

### PERSONNEL

A six man crew, consisting of the following people assisted in the gridding, soil sampling, sampling and geological mapping of the property.

J.R. Deighton	- Senior Geologist
P. Burt	- Geologist
G. Wesa	- Geologist
M. Pond	- Assistant
S. Blasozeck	- Assistant
W. Lillies	- Assistant

The Hughes 500C helicopter used during the program was piloted by A. Roe.

Utah crews examined the area in July 1975 and in August 1976. It was from these reports, that an assay for gold as well as the submittal of a property that surrounds the Taylor Windfall Mine that lead to the staking of the W.H.D.B. claims in March 1981.

## GEOLOGY

### Regional Geology

The preliminary (1:250,000) geological map of the area published by the Geological Survey of Canada, shows that the claim area lies along the eastern margin of the Late Cretaceous Coast Range Batholith which is composed of granodiorite. The batholith intrudes into the Upper Cretaceous Kingsvale Group made up mainly of pyroclastic volcanic rocks (varicoloured andesites, dacites, and basaltic pyroclastics; minor flows and volcanic sediments). A large regional fault (Tchaikazan) forms the eastern margin of the Kingsvale Group and this fault is interpreted as following the Denain Creek valley floor. Eocene, Sheba Group, volcanics (buff, mauve, brown dacitic and rhyolitic tuffs, breccias, and flows) are found immediately east of the fault.

Although this geological picture is correct, the author disagrees with the positioning of several of the geological boundaries.

### Property Geology

Late Cretaceous granodiorite of the Coast Range Batholith underlies the southwestern portion of the claim area. The contact between the intruded Kingsvale volcanics and the granodiorite is partially fault controlled. The granodiorite is mainly fresh medium grained and massive. Very little alteration was seen in the granodiorite and no sulphide mineralization was seen except for the rock immediately adjacent to the contact with the highly pyritic Kingsvale volcanics on Wilson Ridge. Here, minor pyrite and limonite is found on fractures within 10 meters of the contact. Chloritization of the mafics was also noted in this immediate area. Chalcopyrite is mentioned to occur in the granodiorite in some assessment reports to the south and west but none was seen within the claim group.

The Kingsvale Group volcanic assemblage, mainly made up of pyroclastics, underlies the majority of the remainder of the claim block.

These volcanics are fresh to slightly propylatized for the most part but are highly chloritized, sericitized, silicified and pyritized at and near the contact or where they form a thin skin over the intrusive, as on the crest of Wilson Ridge. Other altered and mineralized areas are found along fault and shear zones which occupy the creek valleys. The alteration and mineralization is restricted to the shears and fresh unaltered volcanics are found almost immediatly outside the shears. The alteration and pyritization of the Kingsvale Group shows up as prominent red to yellow gossans which are visible for kilometers and have lead many companies to the area in times past.

The alteration on Wilson Ridge is very strong being almost complete silicification, sericitization with or without pyritization. Pyritization reaches 10% in some places but is generally in the 2 - 5% range. Some of the rock at the southern end of the crest of Wilson Ridge is so altered that it is almost 100% silica. This rock may in fact be an altered quartzite which could put the unit in the Lower Cretaceous Taylor Creek Group.

The above rock, which lies just outside the claim group, contains some quartz and tourmaline veining and minor amounts of rutile as fine disseminations. The rutile was first noted in 1920, in thin sections, by J.D. MacKenzie of the Geological Survey of Canada as occuring within a quartzite.

Eocene, Sheba Group volcanics overlie the Kingsvale Group volcanics in the north and eastern portion of the property, but these volcanics mainly occur outside the claim group. These volcanics were not investigated or mapped in detail but a rhyolitic to dacitic tuff forms the base of the unit and is up to 30 meters thick in places. This rhyolitic tuff unit weathers buff orange, a result of the large amounts of pyrite and limonite present within the unit. It is thought that many of the "Bog Iron" and ferrocrete deposits in Rae, Feo, Battlement and Denain Creeks come from the weathering and reprecipitation of iron minerals from this unit.

Two small pods of mauve agglomerate belonging to the Sheba Group are found in the Rae Creek drainage below the rhyolitic tuff unit.

A porphyritic, syenite intrusive is found in two places within the claim area. The largest forms a northwest-southeast elongate body from Feo Spur across Rae Creek and northwestwards up Palisade - Rae Spur. A second smaller elongate (?) body is found in the Denain Creek drainage, east of the junction of Feo Creek. The rock is a fresh horn-blende - feldspar porphyry with moderate to poor fracturing.

Two small quartz veins up to 50 cm wide are found on the edges of the syenite body in Denain Creek. These quartz veins appear to occupy shears and contain minor amounts of coarse pyrite, finer arsenopyrite, very minor sphalerite and a black unidentifiable mineral. Minor gold values were obtained from these veins.

Only two other small bull quartz veins were seen on the property. These veins, occur in the Denain Creek drainage above the Feo Creek junction, both have been trenched or an adit started on them. Samples collected from the dump of the vein material returned low assays in all elements.

Several diabase or basaltic dykes occur on the property but are narrow and of minor consequence.

Faulting is evident throughout the property and most appear to fall into two general trends. The main fault direction is  $100 - 120^\circ$  with vertical to steep easterly dips. This fault system (Tchaikazan) appears to be the major regional fault in the district and this trend appears to have been the major mineralized trend throughout the district as seen from our regional work. This trend is also the mineralized and alteration trend on the Taylor-Windfall mine located 5 km to the northwest.

The second major fault trend is  $040 - 060^\circ$  and has vertical to steep southeasterly dips. Minor alteration local namely sericitization-chloritization-pyritization, with minor silicification occurs in this fault set. The-alteration-mineralization in this fault set seems to occur in small pods. This set of faults appears to be responsible for the tributary valleys coming into Denain Creek.

#### GEOPHYSICS

No geophysics was carried out on the property by Utah in 1981. Kennco Explorations (Western) Ltd. has conducted a Induced Polarization and Resistivity Survey over the southwestern portion of the claim area in July 1964. This area is underlain by granodiorite of the Coast Range Batholith.

Their conclusion on the survey were that the I.P. anomalies are mostly indefinite and are low in magnitude (see Assessment Report 556). The anomalies tend to form a trend that would approximately correlate with the fault zones that follow the Feo Creek Valley but may also in part reflect pyrite mineralization in the Kingsvale Volcanics adjacent to the contact with the Coast Range granodiorite.

### GEOCHEMISTRY

A north-south base line from the legal corner post of the W.H.D.B. claims was established by chaining and picketing on 50 meter intervals. East-west crosslines spaced 200 meters apart along the base line were also chained and picketed on 50 meter intervals. A total of 73 kilometers of picket lines and soil sampling was done. Soil samples were collected, at each picket, from the "C" horizon, using a mattock. The soil was placed in a kraft paper bag, dried, and shipped to Chemex Labs Ltd. of North Vancouver for analysis. All samples were sieved to -80 mesh and analysed by atomic absorption for gold, silver, copper, zinc, molybdenum, arsenic and mercury.

Normalized Frequency Distribution Curves and Cumulative Probability Plots were made for each element and are included in this report (see Fig. 3 - 18). A table showing the anomalous values for each element follows.

ELEMENT	ANOMALOUS VALUES
Gold	30 ppb
Mercury	150 ppb
Silver	1.2 ppm
Copper	120 ppm
Molybdenum	14 ppm
Zinc	180 ppm
Arsenic	17 ppm

The values on individual element maps were contoured using the appropriate value multiples and these maps are found in the pocket of this report.

Contouring shows that the copper soil anomalies exist as lenticular zones scattered throughout the property. The anomalies generally consist of only one or two samples outside the area along the base of Wilson Ridge. Here the anomalies on either side are large, high order anomalies, lenticular in shape and associated with thin "bog" iron



W.H.D.B. SOILS

NORMALIZED FREQUENCY DISTRIBUTION

GOLD

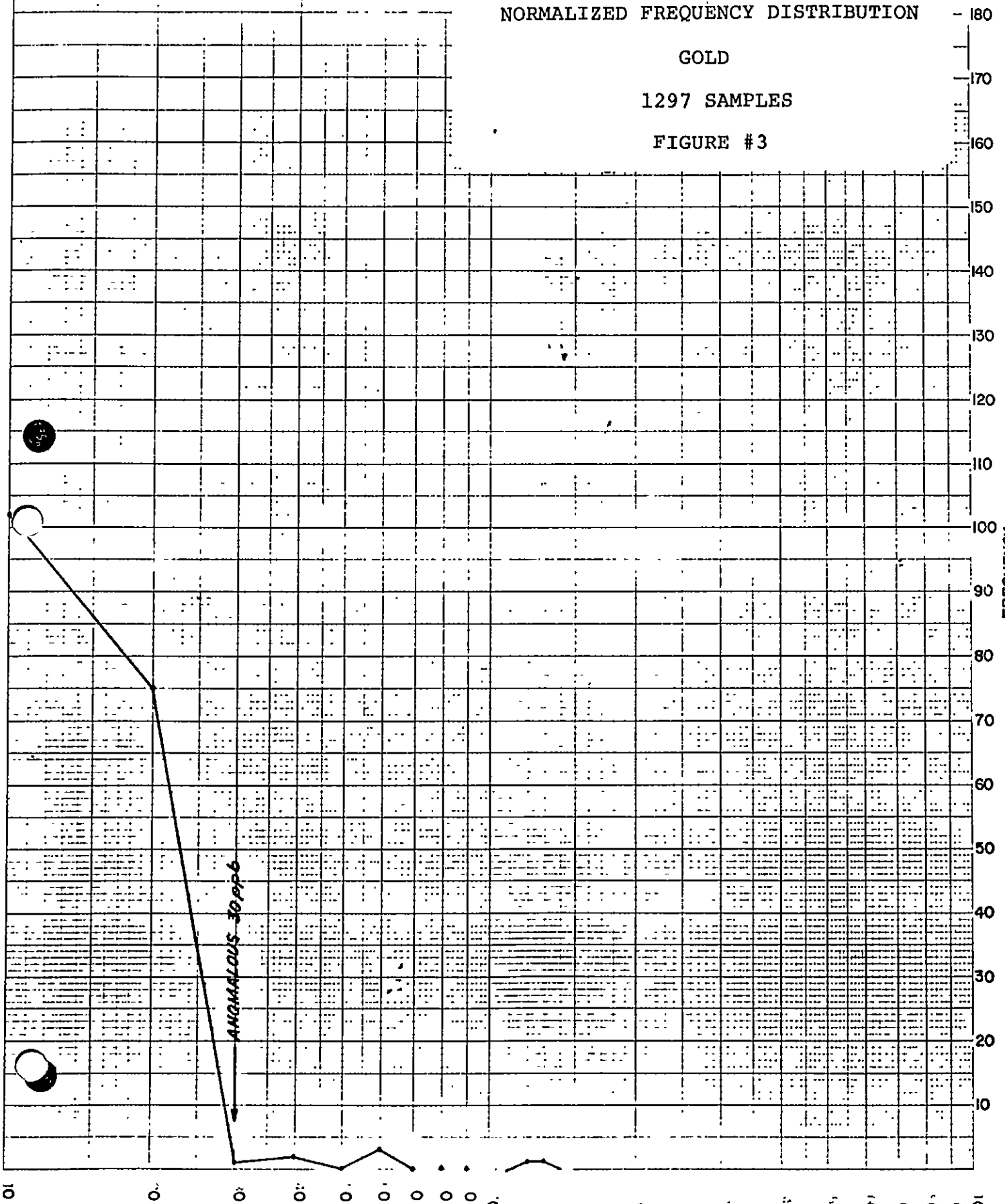
1297 SAMPLES

FIGURE #3

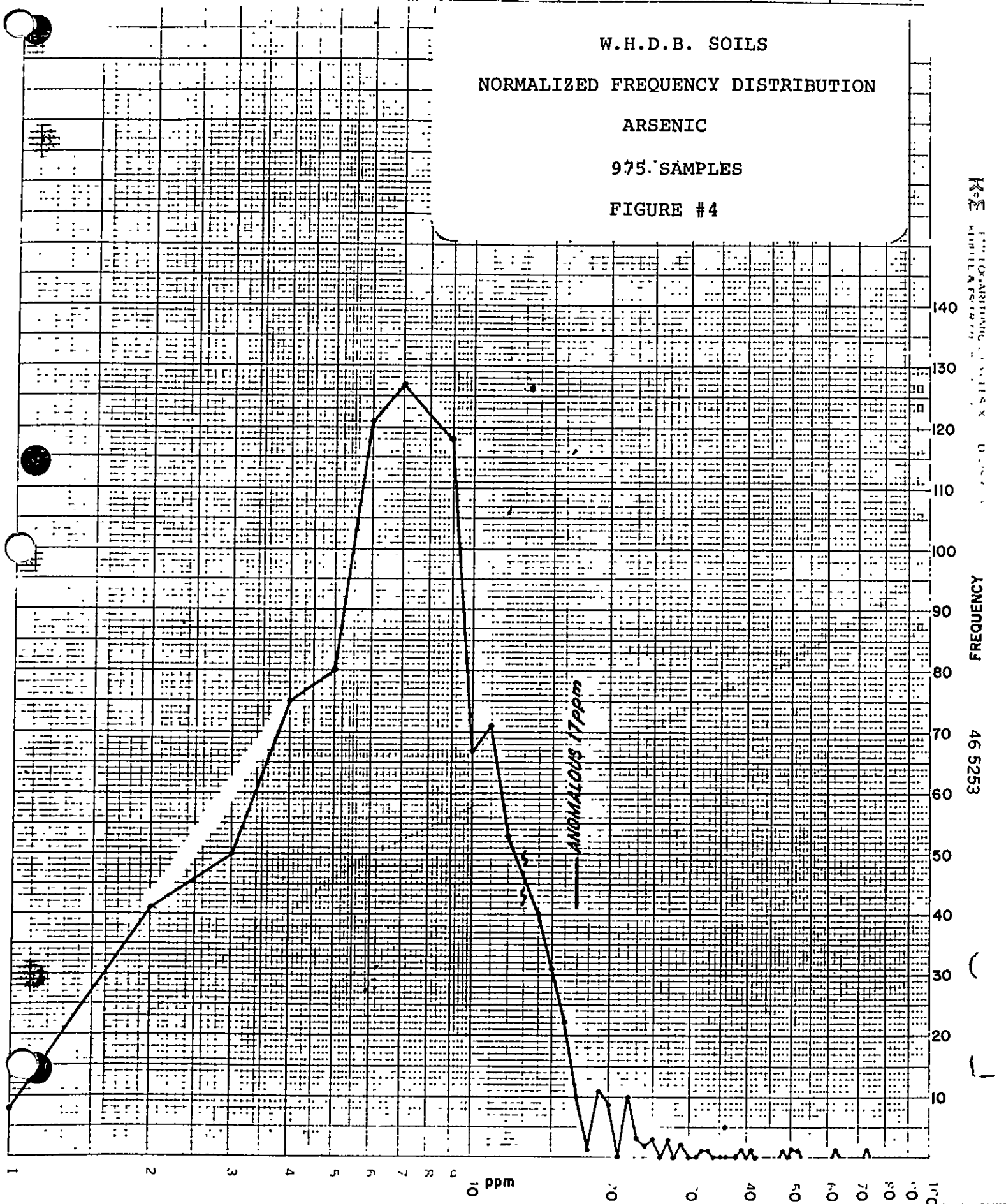
LOGARITHMIC SCALE

FREQUENCY

46 5253



W.H.D.B. SOILS  
 NORMALIZED FREQUENCY DISTRIBUTION  
 ARSENIC  
 975 SAMPLES  
 FIGURE #4



K-2  
 1710-ARSENIC  
 MINUTE REPORT  
 46 5253

As

PERCENTAGE

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

W.H.D.B. SOILS  
CUMULATIVE FREQUENCY PLOT

ARSENIC

975 SAMPLES

FIGURE #5

100  
90  
80  
70  
60  
50  
40  
30  
20  
ppm

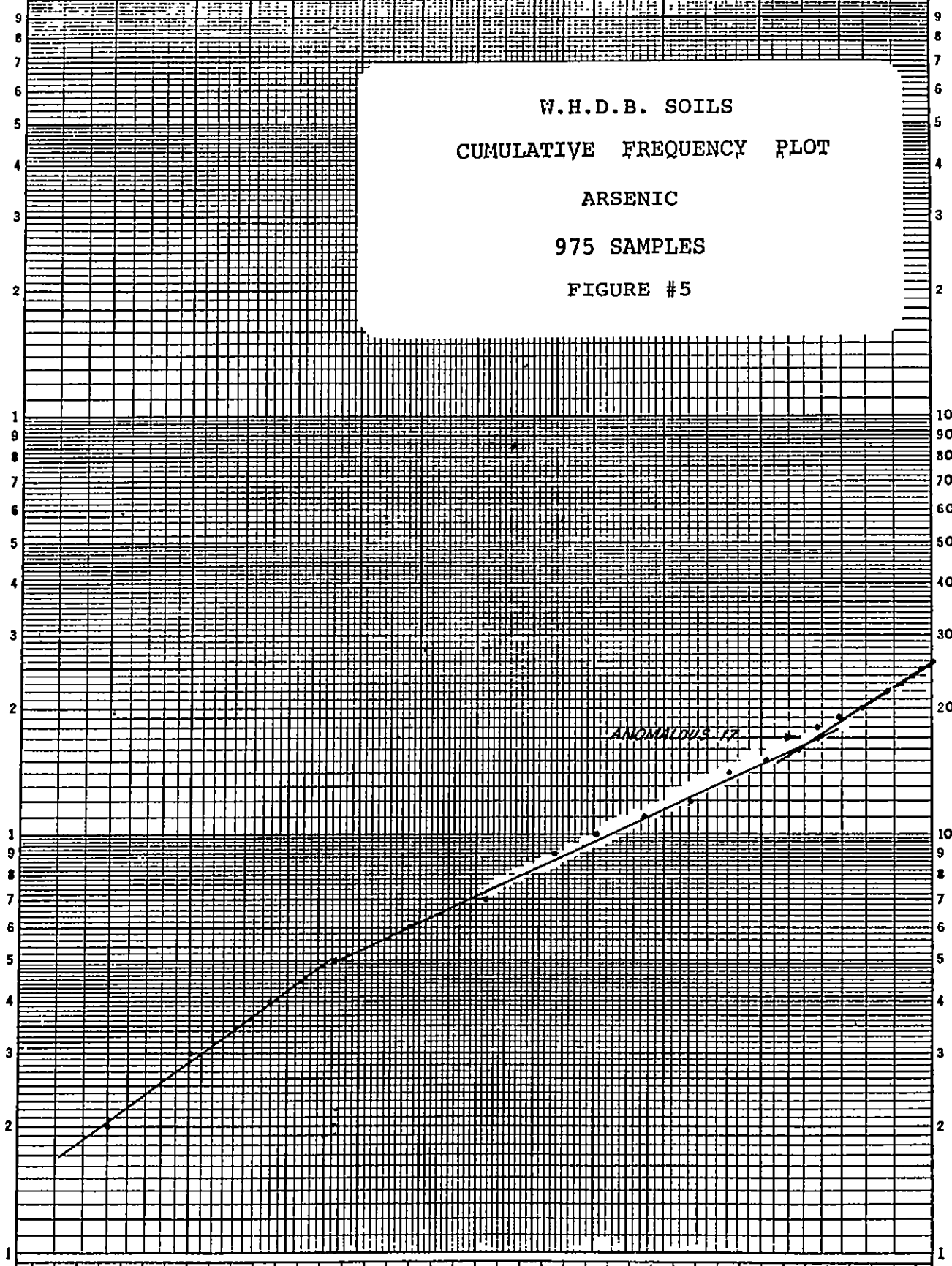
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

PROBITS

ANOMALOUS 17

K&E PROBABILITY 46 8080  
X 3 LOG CYCLES MADE IN U.S.A.  
NEUFFEL & ESSER CO.



W.H.D.B.

NORMALIZED FREQUENCY DISTRIBUTION

MERCURY

965 SAMPLES

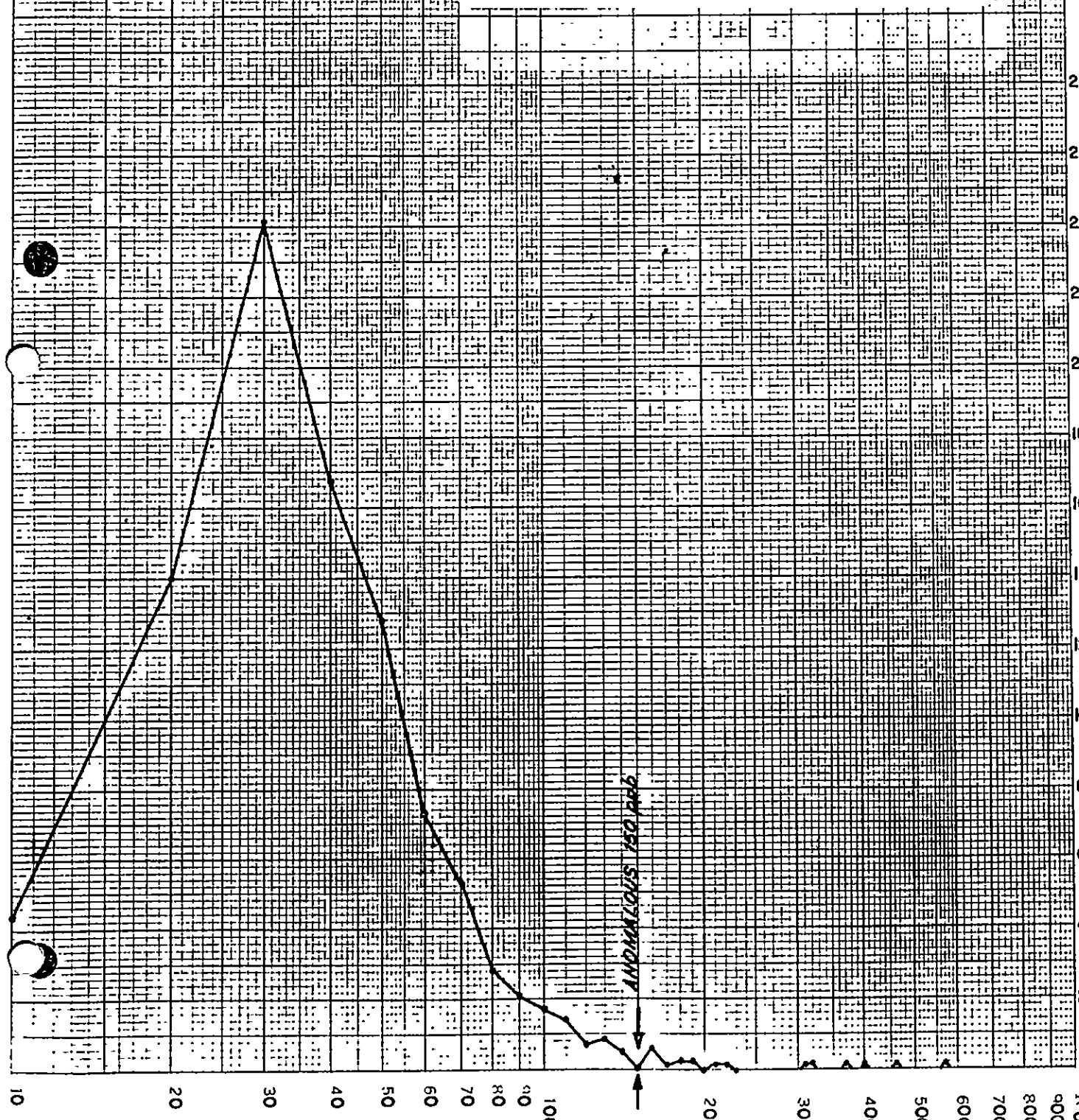
FIGURE #6

K & M

SEMI-LOGARITHMIC 2 CYCLES X 200 DIVISIONS  
KURTIL & SONS CO.

FREQUENCY

46 5253



Hg

PERCENTAGE

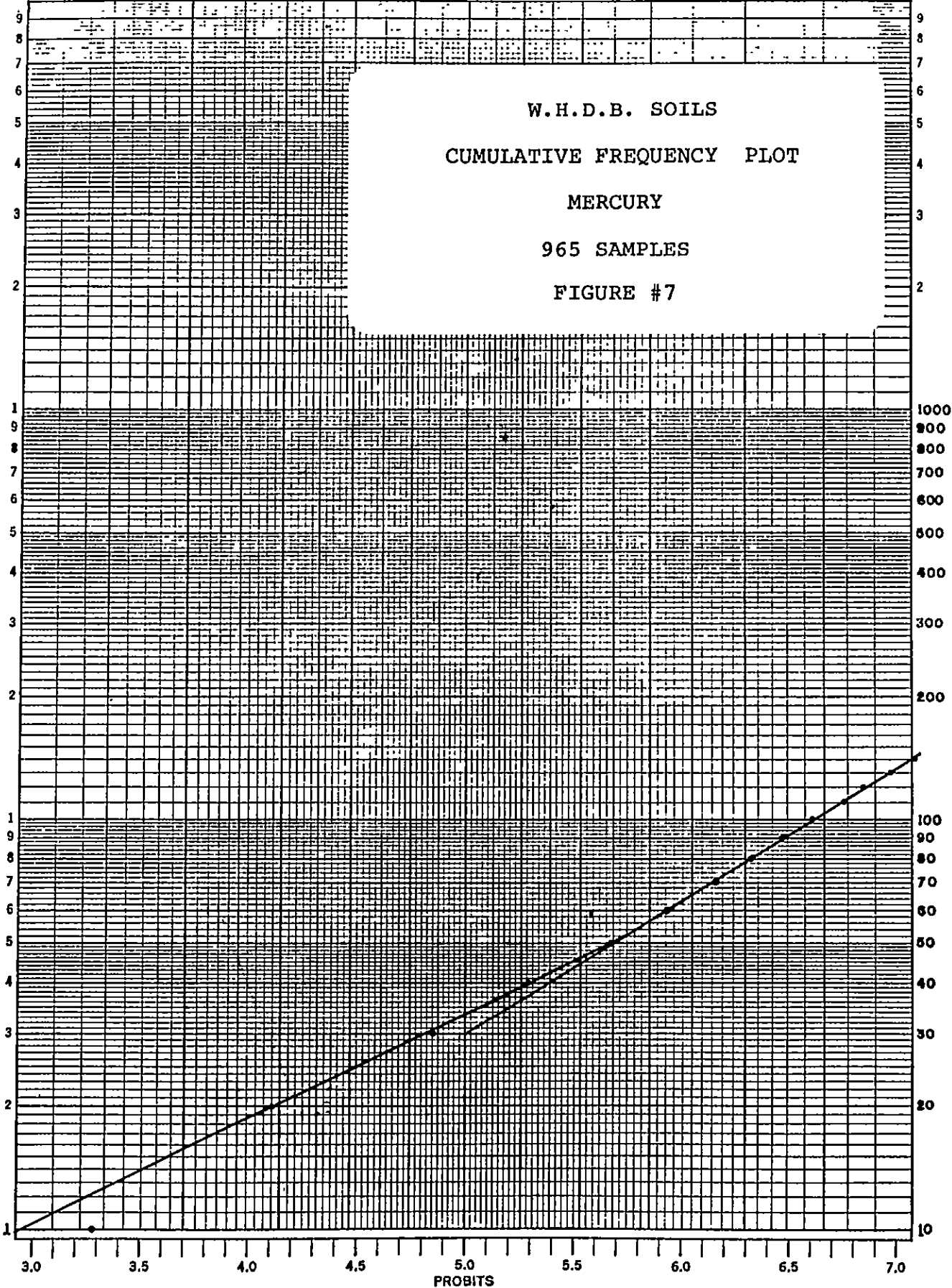
2% 5 10 15 20 30 40 50 60 70 80 85 90 95 98%

W.H.D.B. SOILS  
CUMULATIVE FREQUENCY PLOT

MERCURY

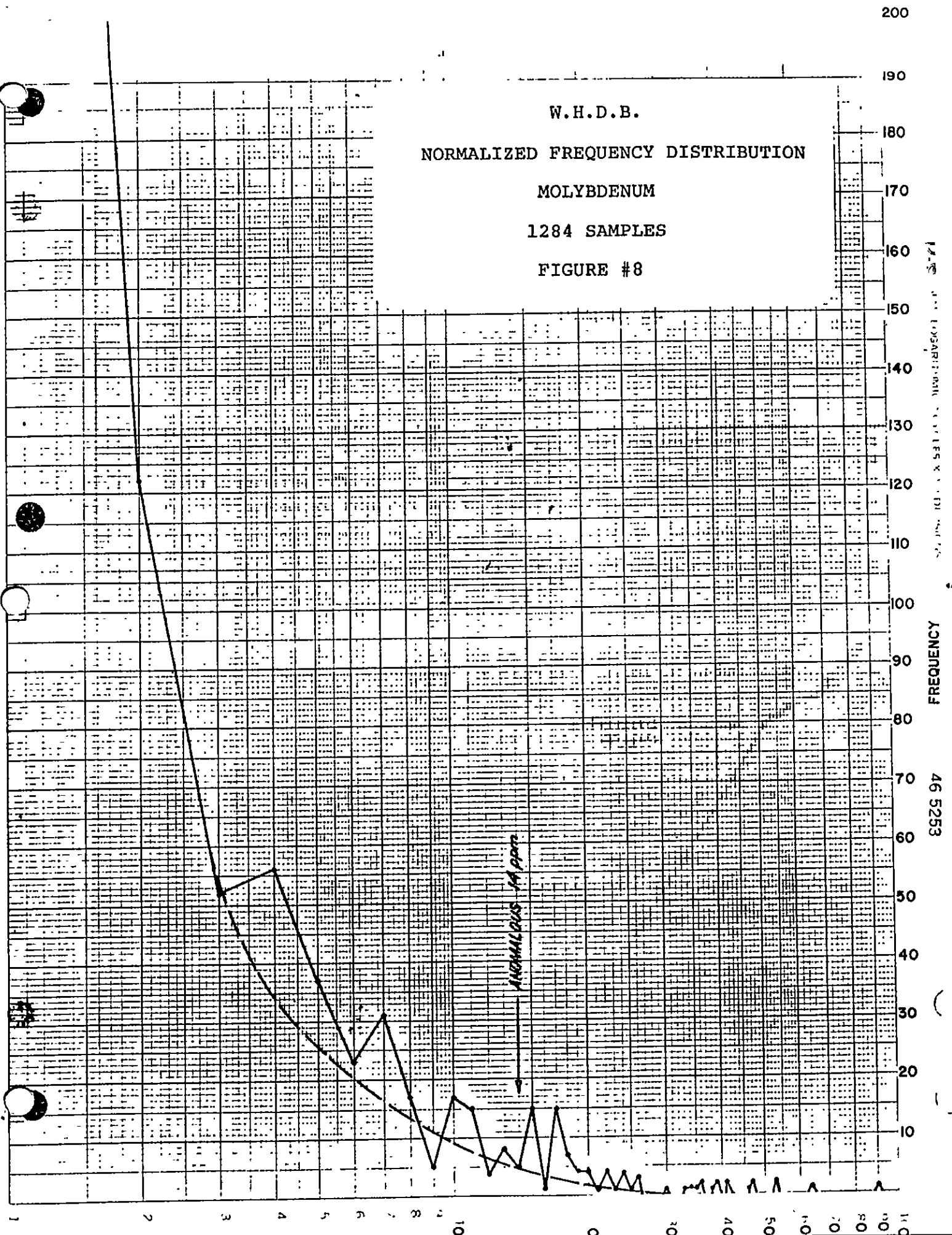
965 SAMPLES

FIGURE #7



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

W.H.D.B.  
NORMALIZED FREQUENCY DISTRIBUTION  
MOLYBDENUM  
1284 SAMPLES  
FIGURE #8



Mo  
PERCENTAGE

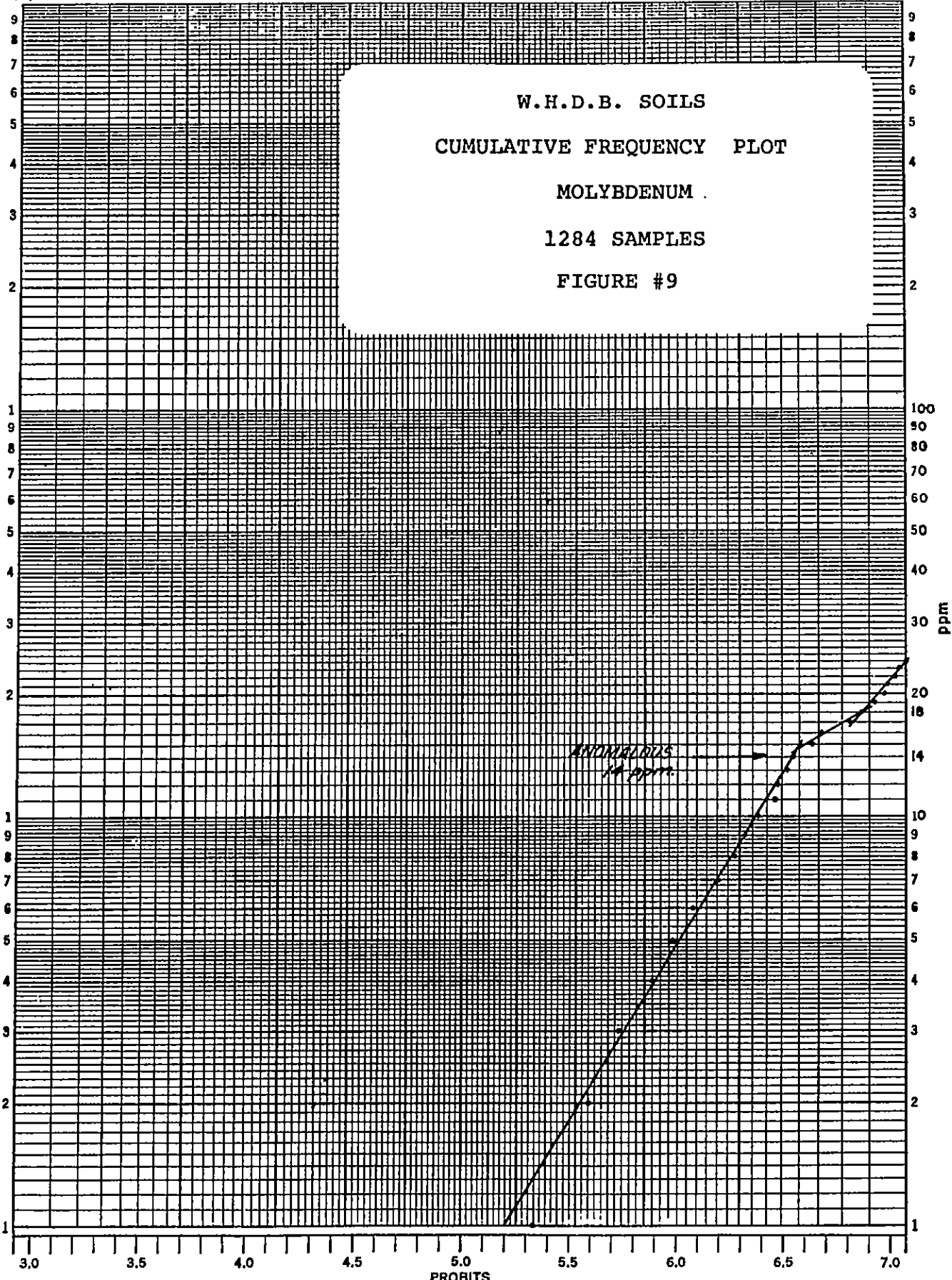
2% 5 10 15 20 30 40 50 60 70 80 85 90 95 98%

W.H.D.B. SOILS  
CUMULATIVE FREQUENCY PLOT

MOLYBDENUM

1284 SAMPLES

FIGURE #9



K&E PROBABILITY  
X 3 LOG CYCLES  
46 8080  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.



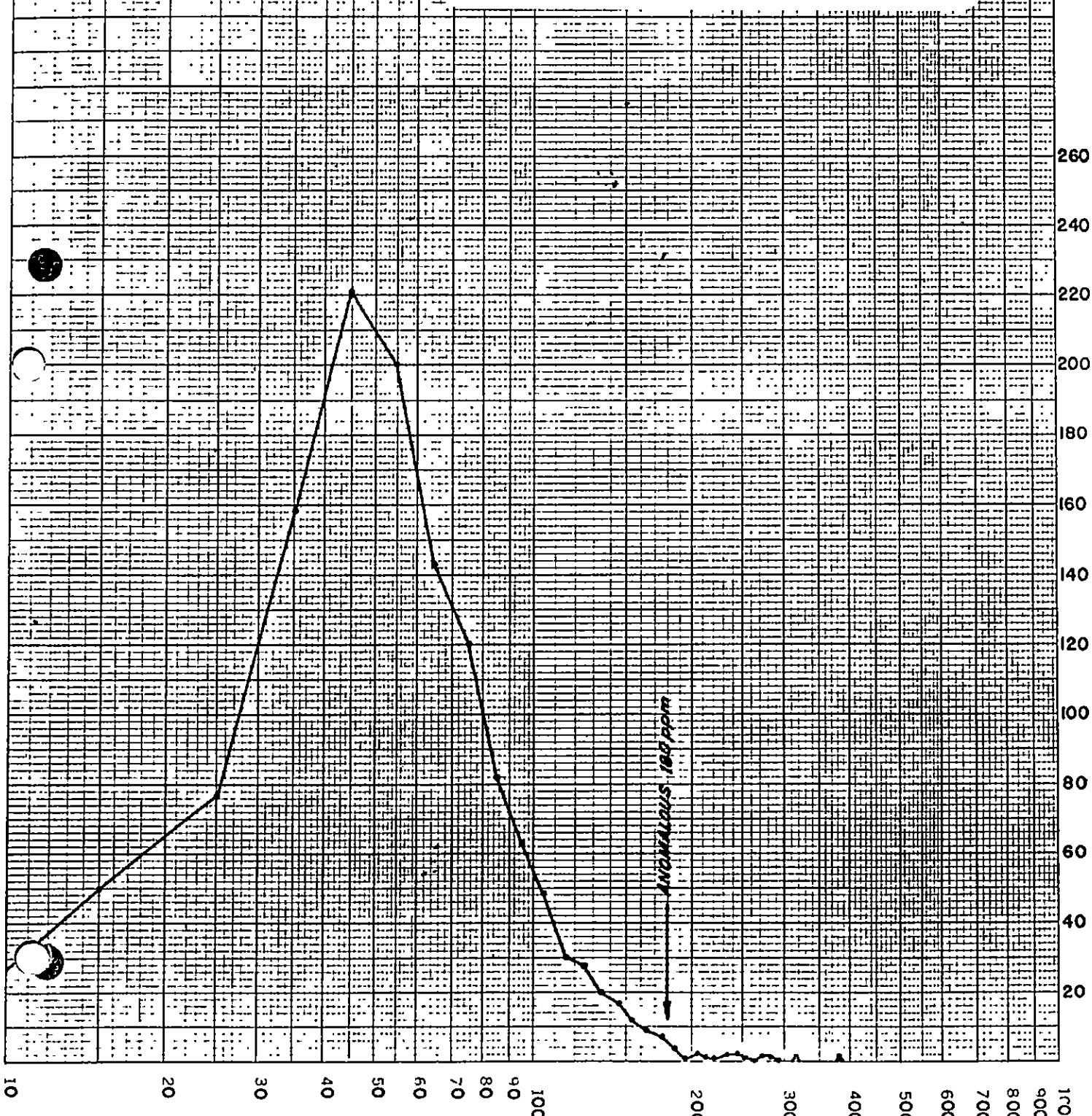
W.H.D.B.

# NORMALIZED FREQUENCY DISTRIBUTION

## ZINC

1316 SAMPLES

FIGURE #10



SEMI-LOGARITHMIC 2 CYCLES X 3mm DIVISIONS  
K&E  
NEUFEL & ESSER CO. U.S.A.

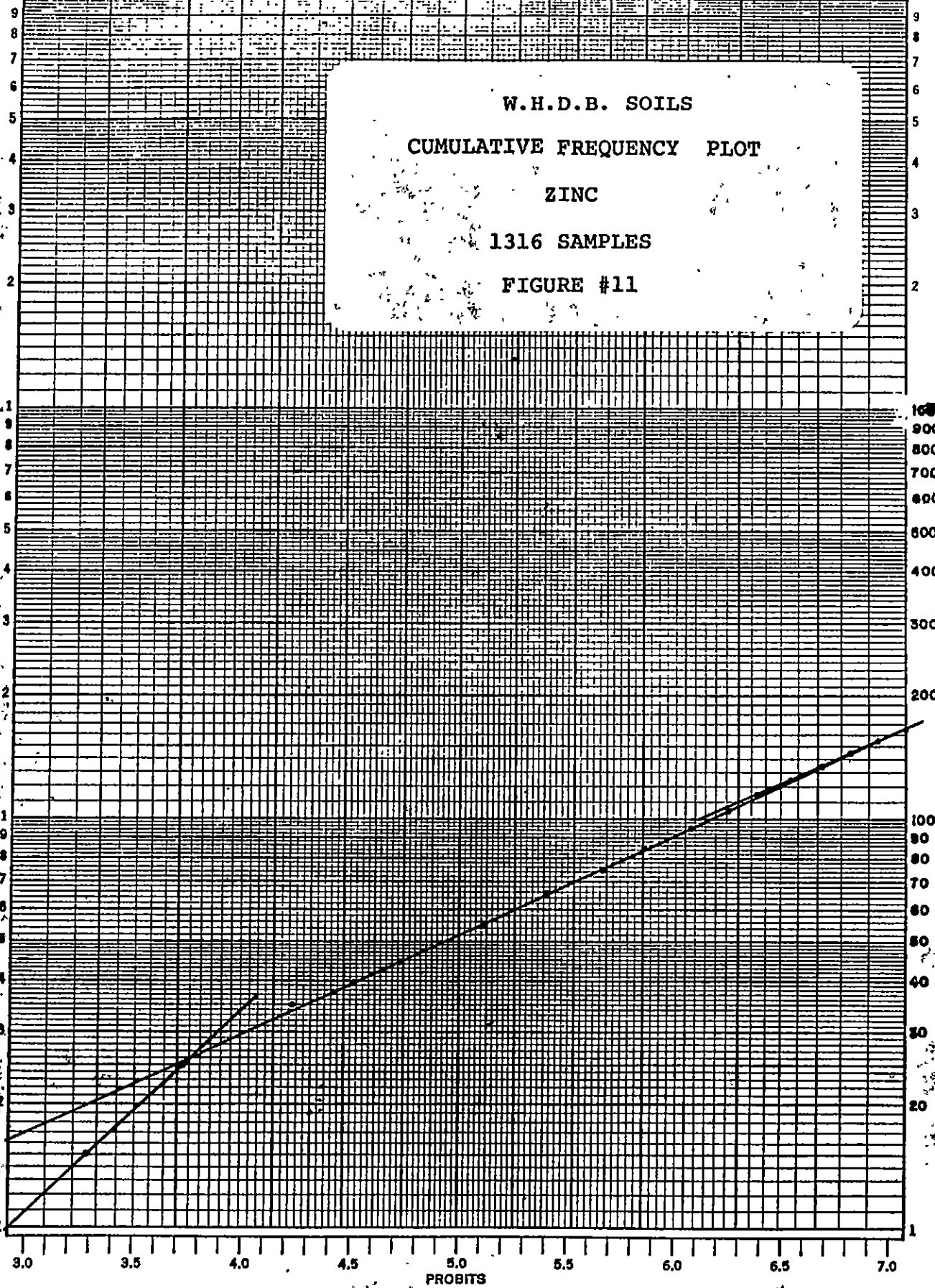
46 5253  
CYCLES PER INCH



Zn (1316 samples)

PERCENTAGE

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



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

3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0  
PROBITS

W.H.D.B.

NORMALIZED FREQUENCY DISTRIBUTION

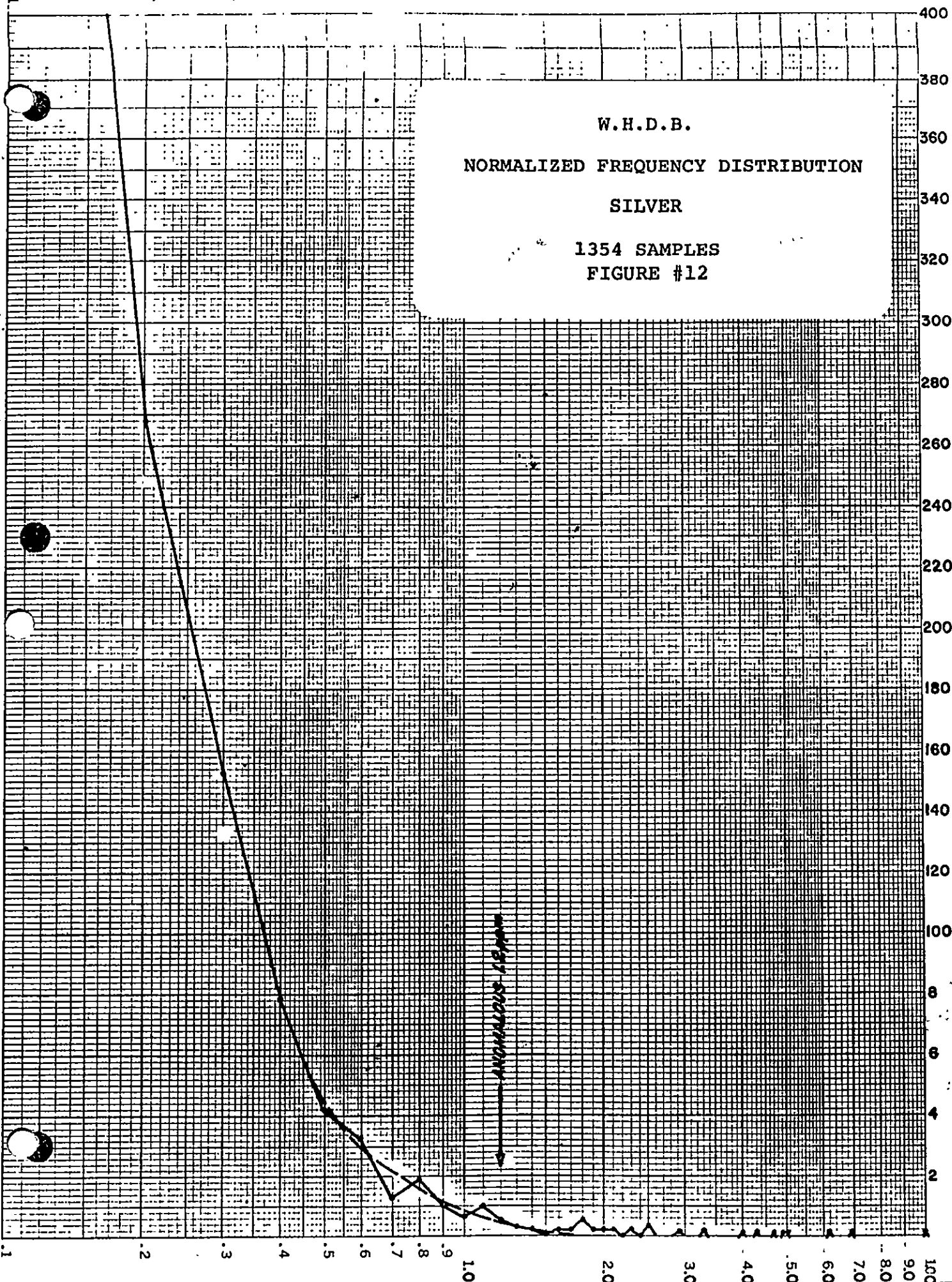
SILVER

1354 SAMPLES

FIGURE #12

K&M  
SEMI-LOGARITHMIC 2 CYCLES X 200 DIVISIONS  
KEUFFEL & ESSER CO. MADE IN U.S.A.

FREQUENCY 46 5253

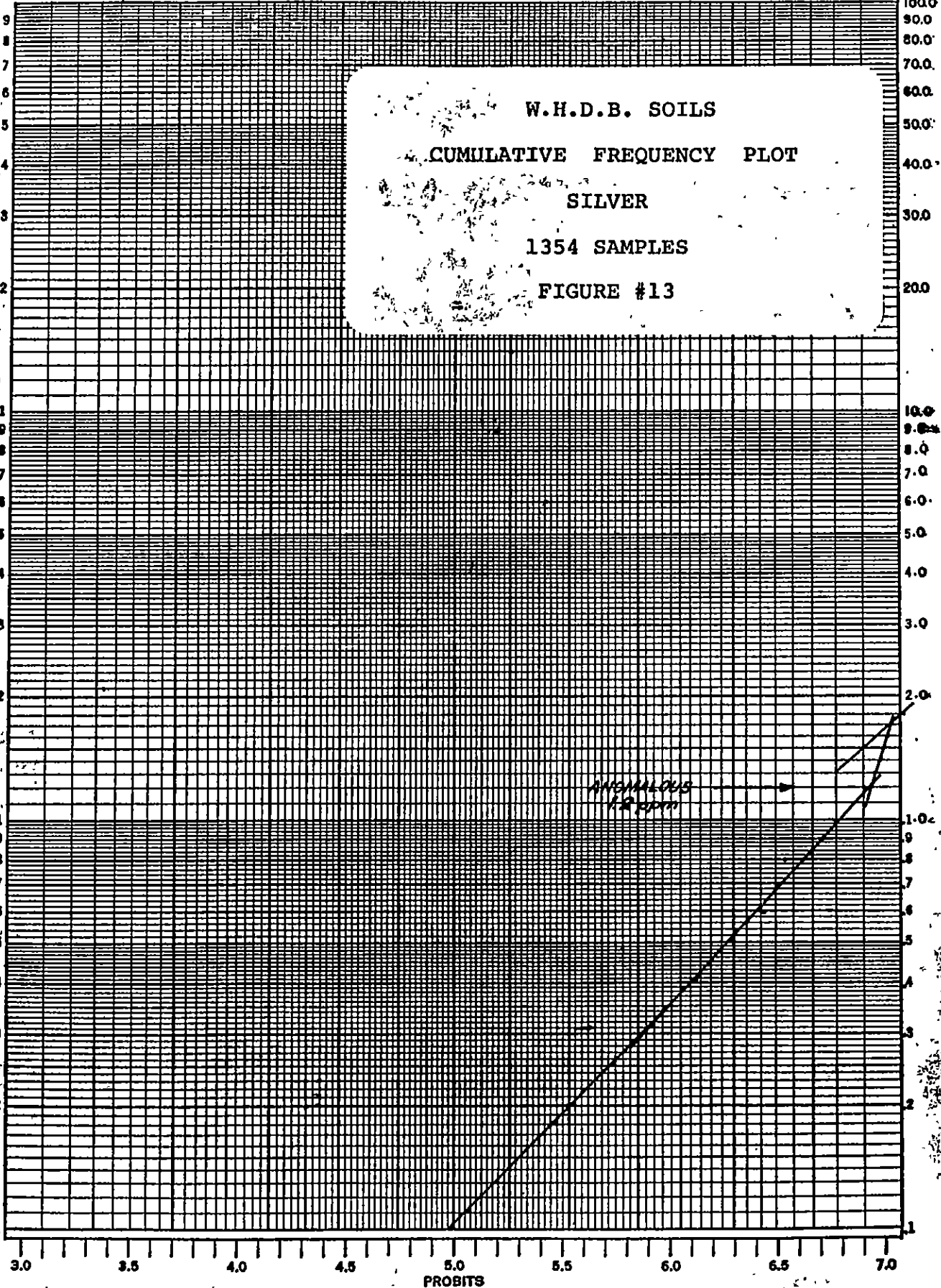


Ag

PERCENTAGE

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

W.H.D.B. SOILS  
CUMULATIVE FREQUENCY PLOT  
SILVER  
1354 SAMPLES  
FIGURE #13

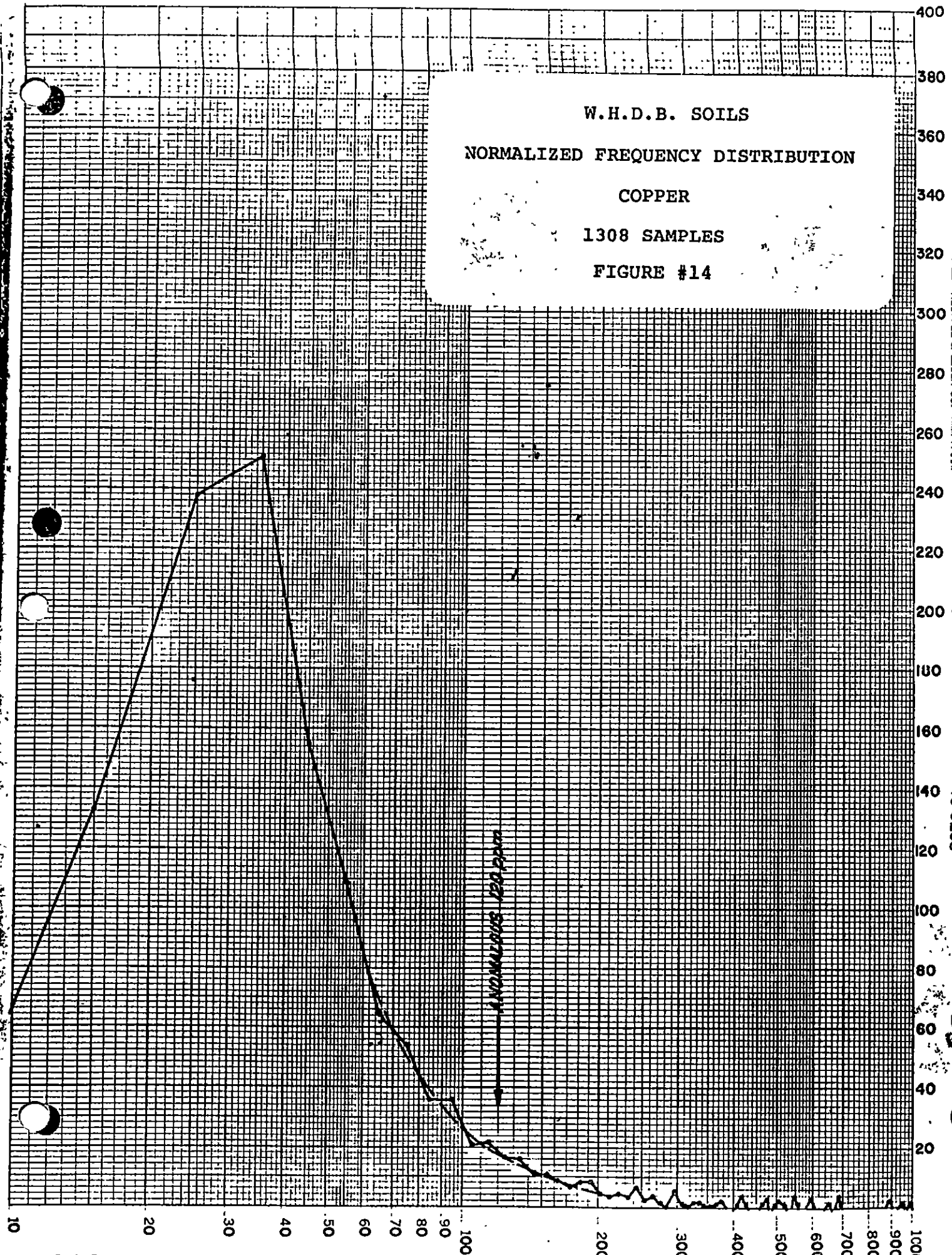


K&E PROBABILITY  
X 3 LOG CYCLES  
46 8082  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

W.H.D.B. SOILS  
NORMALIZED FREQUENCY DISTRIBUTION  
COPPER  
1308 SAMPLES  
FIGURE #14

K&E  
SEMI-LOGARITHMIC 2 CYCLES X 200 DIVISIONS  
KEUFEL & ESSER CO. MADE IN USA

46 5253



Cu

PERCENTAGE

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

W.H.D.B. SOILS  
CUMULATIVE FREQUENCY PLOT

COPPER

1308 SAMPLES

FIGURE #15

1000  
900  
800  
700  
600  
500  
400  
300  
200  
100  
90  
80  
70  
60  
50  
40  
30  
20  
10

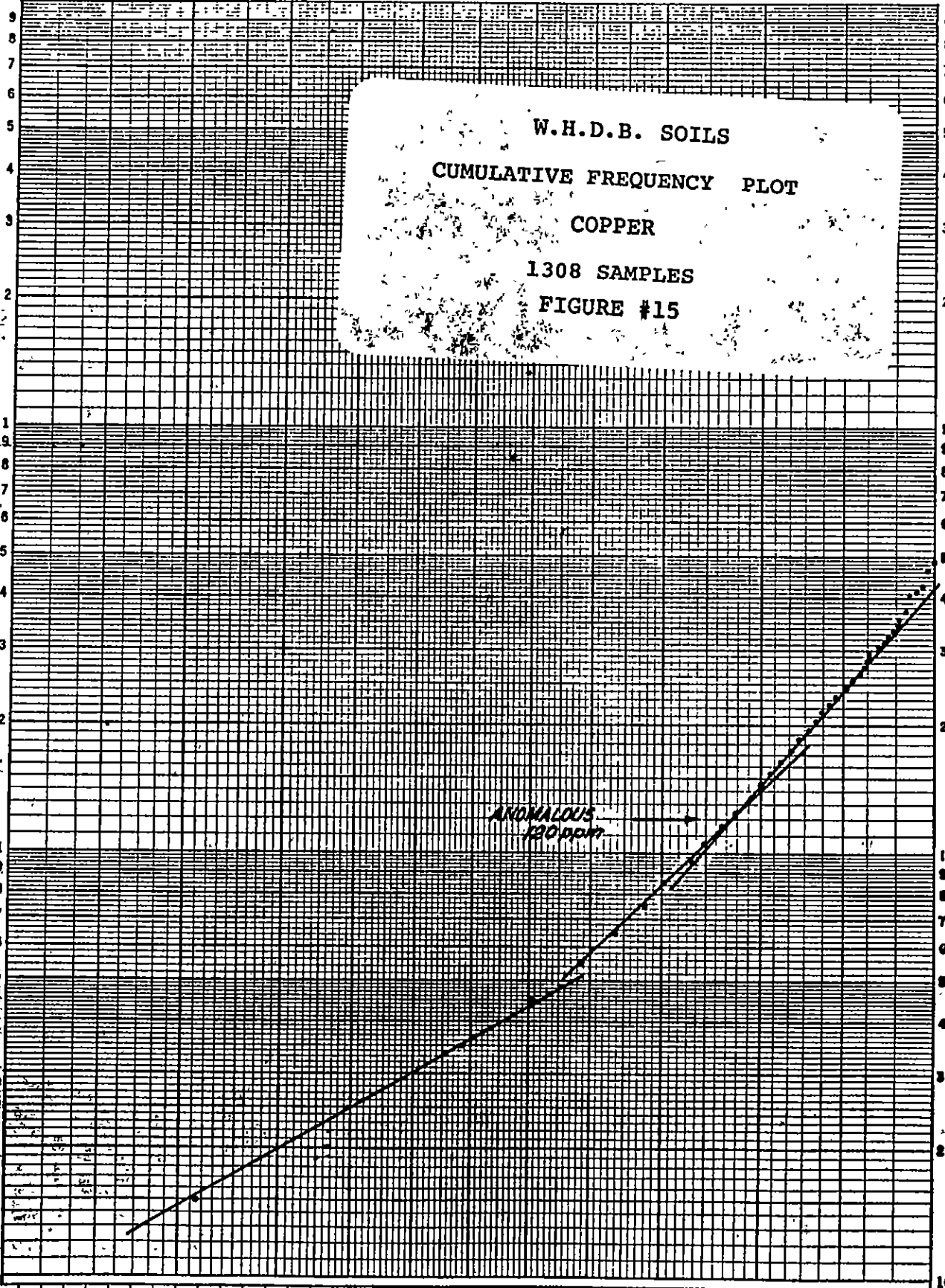
ppm

3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

PROBITS

ANOMALOUS  
120 ppm

PROBABILITY  
K&E X 3 LOG CYCLES  
46 80B2  
Kruppel & Kober Co.  
MADE IN U.S.A.



Several long lenticular silver anomalous areas are outlined by the geochemical soil survey. These areas are scattered throughout the property and the largest area is associated with the "bog" iron deposits on the west side of Wilson Ridge. Several of the sample locations on the north and east side of Wilson Ridge, in the Denain Creek drainage, that are anomalous were collected from areas containing "iron deposits" or limonite cemented gravels and tills. These anomalies are not considered important because the values probably reflect scavaging of silver by the iron. One lenticular anomaly not associated with iron deposits occurs on the western side of the nose of Wilson Ridge along the contact of the Coast Range granodiorite and the altered Cretaceous volcanics. This anomaly is of a lower order, except for one extremely high erratic value. The remainder of the samples were talus fines and

area. probably reflect a higher zinc content in the andesitic sequence in this area. The background zinc values in the northern portion of the property are slightly higher than the area south of Denain Creek. These values

The zinc soil anomalies consist of from one to four samples, and are generally underlain by Cretaceous volcanics. The anomalies are all relatively low in metal content and are generally lenticular in shape which suggests that they may be structurally related. The small one and two sample anomalies, that are underlain by intrusives in the southern portion of the claim block, are associated with some minor mineralization and/or alteration within the granodiorite. None of these small anomalies are considered significant to finding or locating significant areas of mineralization.

The anomalous molybdenum soil values are all found in areas underlain by Coast Range granodiorite on the west side of Wilson Ridge. The molybdenum anomalies are almost coincident with the copper anomalies in the area, but are slightly downslope. This reflects the greater mobility of molybdenum in a reducing environment. Two areas upslope of the copper anomalies reflect the very minor amounts of molybdenite found associated with quartz veinlets and magnetite in talus boulders in this area. Many of these samples were talus fines and the values probably represent the metal content of the rock.

The copper in these samples has been scavanged from percolating groundwater from the extremely low grade copper mineralization in the altered volcanics on Wilson Ridge. The iron deposits also came from the redeposition of iron minerals, mainly pyrite, that occur in the rocks underlying the ridge.



reflect the actual silver content of the rock.

Other one and two sample silver anomalies exist scattered around the property but are not considered important as indicators to mineralization, as most of these samples contained organics or were collected from swampy areas.

All anomalous arsenic soil values are found on the northern portion of the property and are underlain by dark green unaltered andesitic flows and pyroclastics. The anomalous areas cover a fairly steep slope below the Tertiary volcanic contact. It is not known whether the anomalous values are associated with the overlying Tertiary volcanics or the older Cretaceous volcanics as many of the samples taken are talus fines. The high (110 ppm) sample on the base line at 5 East is taken beside a 50 cm mineralized quartz vein so other single sample anomalous values may represent other quartz veins not noted or seen.

One small anomalous arsenic area on the west side of the claims covers a relatively flat overburden covered area near the valley bottom. This low order anomaly occurs in an area of no outcrop and relatively thick overburden (+3 meters). Its significance is not known as it lies along the projected contact between the granodiorite and the volcanics.

Another anomaly in this region with two higher order anomalous values lies along the projected silicious gold bearing zone of the Taylor Windfall property to the northwest (1500 meters). This moderate sized anomaly is probably the only significant anomaly on the property although it does not have any other coincident anomalies associated with it.

Several one and two sample mercury anomalies are found scattered throughout the property. One of these soil anomalies, just east of the junction of Feo and Denain Creeks is associated with a 30 cm wide quartz vein. Most other mercury anomalies are found to be in close (100 - 300 meters) of the contact with various intrusive bodies, Coast Range granodiorite or porphyritic syenite. The mercury soil anomalies do not seem to indicate the presence of any mineralization of significance.

The results of the gold soil sampling are very disappointing. Only seven samples returned anomalous values. These seven samples are one sample anomalies and may be the result of a "nugget effect" within the sample. Five of the samples are located in river or creek bottomlands which may also have some influence from placer gold.

There appears to be a higher background in gold in soil in the northwestern portion of the property where numerous samples returned values in the 10 - 20 ppb range. The shape of a trend of higher background gold values over Feo Ridge may indicate that one unit in the Cretaceous volcanics has a higher gold background.

Rock geochemical analysis was carried out on seventy-four rock samples collected from the best altered and/or mineralized rock seen throughout the property. Most of the highly anomalous samples all come from old showings which are small narrow quartz veins carrying minor sulphides.

The highest copper values in rock come from a 50 cm wide quartz vein in the Denain Creek drainage where the vein assayed 2600 ppm and the wallrock assayed 255 ppm. Other veins sampled assayed less than 250 ppm in copper and all other mineralized or altered rocks very much less. No rocks contained significant copper over minable widths.

Molybdenum values in rock were extremely low with the highest value (13 ppm) obtained from a Tertiary rhyolitic unit off the north end of the property.

The zinc rock values are generally low although an occasional high value was obtained from the same vein as the high copper. This value in zinc was 1200 ppm in the vein and 980 ppm in the wallrock. The majority of the remainder of the rocks returned values less than 100 ppm.

Silver values from rock geochemical analysis were generally below 1.0 ppm although two significant values, 27 and 83 ppm (0.79 and 2.42 oz/ton), were obtained in two samples. The highest silver value comes from the same vein as the high copper and zinc values while the other value comes from a smaller quartz vein across the creek which may be a continuation of the same vein.

Arsenic values in rock are generally below 50 ppm with only five values above 100 ppm. Of these five values, three samples are from small narrow quartz veins, one from a 30 cm wide siliceous iron cemented breccia at the contact between the porphyritic syenite and the volcanics, and one is from the Tertiary rhyolite off the north end of the property.

Mercury values in rock are generally below 260 ppb with only seven values above 1000 ppb. Six of these values come from quartz veins with minor sulphides and extremely low gold and silver values. The seventh value >10,000 ppb comes from a gossauous area on the south side of Feo Creek.



Gold values in rock were also very discouraging with the majority of the samples containing less than 10 ppb of gold. Three samples returned significant gold values to be distinguished. All samples contain less than 180 ppb gold and all samples are from the previously mentioned narrow quartz veins.

The silt samples shown on the accompanying maps were collected during the reconnaissance silt sampling program conducted through the area in the summer of 1981 by Utah's crews. The silt samples thus will only be discussed in a very general way in this report. For a discussion of silt sampling program see report by P. Burt on geochemical silt sampling Taseko region (in progress). Only copper, tungsten, zinc, gold and arsenic showed any significant values of note.

The tungsten values were all obtained in the Denain Creek drainage and although anomalous, the values are all believed to come from the several small quartz veins noted previously.

Anomalous copper values are found in several small streams draining the northeast side of Wilson Ridge and are the result of acid leaching of the extremely low copper values in the rock on Wilson Ridge.

Rae Creek generally has higher arsenic streams silt values than the others and this may be influenced by the Tertiary volcanic cover in this region.

Higher zinc stream silts were obtained within the claim group from extremely small tributaries draining swampy areas and generally the samples contained a higher organic component which may account for the higher values. Two significant zinc values were obtained from the headwaters of Denain Creek outside the claim boundaries to the southeast. The significance of these stream silts was not determined within the scope of this mapping and sampling program.

Only five stream silts collected returned values greater than 10 ppb gold. Of these samples, two samples come from small tributaries in Denain Creek that straddle a quartz vein with very minor gold values. The three other samples were obtained near the mouth of Rae Creek and although low, they may reflect very low gold values in a siliceous zone that may project from the Taylor Windfall property to the northwest.

## CONCLUSIONS

Coast Range Batholithic granodiorite underlies the southwestern portion of the claims and underlies Wilson Ridge at no great depth.

Kingsvale Group volcanics, pyroclastics and flows, mainly andesitic in nature, underly the remainder of the claims except for a small porphyritic syenite stock underlying a portion of Feo Spur and Rae Creek.

There are two dominant shear directions indicated from the mapping. The 100 - 120° trend, which appears to carry alteration and mineralization on a regional basis and the 40 - 70° trend.

Alteration is limited to the volcanics. The alteration is restricted to shear zones except on Wilson Ridge where it is generally pervasive. Alteration within the shears is mainly chloritization and sericitization while on Wilson Ridge heavy silicification in areas is also present.

Mineralization is pyritic in all areas of alteration. Minor amounts of magnetite, with the occasional speck of molybdenite, was noted in the occasional widely scattered quartz vein in granodiorite float on the west side of Wilson Ridge. The only other mineralization occurs in narrow discontinuous quartz veins occupying shears. Pyrite, sphalerite, chalcopyrite and occasionally arsenopyrite were noted. No vein contains economic mineralization.

The "bog" iron deposits at the base of Wilson Ridge were formed in Quaternary sands, gravels and tills and are the redeposition of iron from the iron bearing minerals, mainly pyrite, on Wilson Ridge.

The other smaller "bog" iron deposits in Feo and Rae Creeks are derived from the heavily hematized rhyolitic unit at the base of the Tertiary volcanics that cover the ridges east and north of the claim group.

No siliceous or carbonate zones were located during the mapping of the property.

None of the altered and pyritized zones sampled showed significant geochemical response to suggest that economic mineralization might be found in a reasonable distance.

Of 74 rock samples collected from the best areas of alteration and mineralization, none showed significant values to indicate the presence of economic mineralization.

Wilson Ridge is anomalously low in all elements. This may be caused by leaching of the rock by acid groundwaters from the breakdown of pyrite. The metals are redeposited along the base of the ridge as "bog" iron deposits in Quaternary sediments.

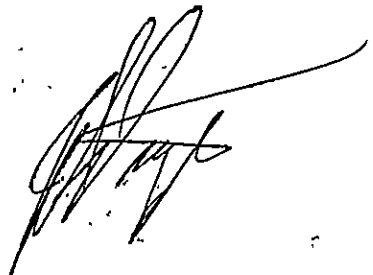
The soil sampling program, other than outlying the "bog" iron deposits at the base of Wilson Ridge, indicates that there is no area where continuously high values in any element exists over reasonable distances to expect that economic mineralization may underlie the area, although there is a slight buildup in arsenic and gold values in the northwestern corner of the property.

The geophysics (I.P.) run on the southwest portion of the claim block, by previous owners, shows a narrow discontinuous probable anomalous zone that partially lies along the contact between the granodiorite and the volcanics and has the same strike as one of the major shear directions.

RECOMMENDATIONS

It is recommended that we do not record the above work for assessment on the claims. It is also recommended that we abandon the property and allow the claims to lapse for the following reasons:

- the lack of encouraging results from the soil survey.
- the lack of economic values in the rock sampling.
- the poor geophysical results on the southwestern portion of the property obtained by previous owners.
- the fact that we did not locate any siliceous or carbonate zones.
- the lack of sulphide seen outside narrow discontinuous quartz veins other than pyrite.

A handwritten signature in black ink, appearing to be 'J. H. ...', located in the lower right quadrant of the page.

ADDENDUM TO THE 1981  
GEOLOGICAL AND GEOCHEMICAL REPORT  
ON THE  
W.H.D.B. CLAIMS  
NTS 9203

By: J.R. DEIGHTON

Addendum to the 1981 Geological and Geochemical Report  
on the W.H.D.B. claims N.T.S. 9203.

Mercury and Arsenic Soil Geochemistry.

During the month of February 1981 it was deemed necessary to fill in the arsenic and mercury analysis on soil samples that were missed by the assay lab on presentation of samples in September of 1981. This fill in soil geochemical analysis was done on samples from several lines in the northern portion of the claim group (lines 4, 8, 10, 12 and 16 north).

Revised histograms were plotted for these two elements and are attached. The anomalous values for mercury do not change (150 ppb) while the results for arsenic are not quite as clear. Arsenic values plotted on a normalized frequency distribution curve shows no difference in anomalous values (17 ppm) from fewer samples, while the cumulative frequency plot moves the anomalous value from 17 ppm to 21 ppm. The anomalous value for arsenic is therefore in the range of 17 to 21 ppm. The additional results were plotted on their respective element maps (see attached). A 20 ppm contour interval was chosen for arsenic (based on the new histogram data) while mercury contour interval was left at 150 ppb.

Countouring of the results from this additional analysis showed little change in the anomalies for mercury in soils. An additional low priority anomalous sample was added to the mercury anomaly adjacent to the contact of the intrusive body and extended that anomaly by one sample (200 metres) southwards. This anomaly is still a (small lenticular) low order anomaly. Two other low order single sample anomalies were found on line 14 north and one other single sample anomaly was made into a two sample lenticular low order anomaly by this fill in geochemistry.

The recontoured arsenic geochemistry eliminated many of the one and two sample anomalies and reduced the remaining anomalies to a somewhat more meaningful form. Arsenic anomalies are still associated with the small (50 cm wide) quartz veins and minor associated mineralization, located in the Denain Creek Drainage.

Several lenticular low order anomalies of two or three samples as well as two longer anomalies are found in the extreme northwestern portion of this claim area and may in part be associated with the young tertiary capping volcanics found on Rae Spur but this now appears to be unlikely. The larger of these above anomalies have one or more samples that are extremely high. The lenticular shape of these anomalies suggest that they may be in part structurally controlled. The large arsenic anomaly and

several three to four sample anomalies on the flats below Palisades Bluff may probably be a reflection of mineralization associated with the continuation of gold bearing zone on the Taylor Windfall property to the northwest.

No explanation can be given for the "U" shaped arsenic anomaly at the end of Feo Spur although it may in part be related to a structure or bed within the volcanics. This anomaly is low order except for two higher samples at the highest elevation of the anomaly and so in part the anomaly may be downslope creep.

None of these arsenic anomalies have any other element associated with them except for a small weak anomaly in zinc associated on the flanks of the "U" shaped anomaly on Feo Spur.

### Conclusions

In conclusion it can be said that the additional sampling clarified the arsenic anomalies and redefined the anomalous value of arsenic in soils from 17 to 21 ppm.

The arsenic anomalies generally have no other associated element anomalies except for an anomaly which has a weak flanking zinc anomaly on Feo Spur, and a weak lenticular




mercury anomaly associated with the larger arsenic anomaly in the Rae Creek drainage.

There is a large sized arsenic anomaly with an extremely high sample and several smaller three and four sample anomalies at the base of Palisades Bluff which may reflect the extension of the silicious (Au?) zone on the Taylor Windfall property to the northwest.

Recommendations.

The recommendations of the 1981 geology and geochemical program have changed slightly in the light of this new information. I believe we should now record the assessment work on the W.H.D.B. claims in the northern portion of the claim block W.H.D.B. 1 and 4 (29 units).

No further work is recommended on the property at the present time.

A handwritten signature in black ink, located in the bottom right corner of the page. The signature is stylized and appears to be a name, possibly "D. J. [unclear]".

APPENDIX I

STATEMENT OF QUALIFICATIONS

CERTIFICATION

I, JOHN RAYMOND DEIGHTON, of 3250 West 33rd Avenue, Vancouver, British Columbia, do hereby certify that:


I am a graduate of the University of British Columbia, with a Bachelor of Science Degree in Geology, 1965.

Since graduation I have been engaged in Mineral Exploration in British Columbia, Yukon, Northwest Territories, Washington, Arizona and California.

I am a Fellow of the Geological Association of Canada and of the Canadian Institute of Mining and Metallurgy.

I am a Geologist

Vancouver, B. C.

  
John R. Deighton  
Geologist

CERTIFICATION

I, Philip Burt of 2280 Alexander Crescent Abbotsford, B. C. and currently employed by Utah Mines Ltd., have graduated from the British Columbia Institute of Technology in 1971 with a Diploma of Mining Technology and have graduated from the University of British Columbia in 1980 with a BSc in Geology. I have worked for various exploration and mining companies including Dolmage Campbell and Associates, Churchill Copper Corporation, Union Carbide Exploration, Amax Exploration (Australia) and Utah Mines Ltd. over the past eleven years.

A handwritten signature in black ink, appearing to be 'PB', is written in the center of the page below the text.

CERTIFICATION

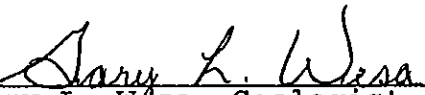
I, GARY LEONARD WESA, of 1836 Parker Street, Vancouver,  
British Columbia, do hereby certify that:

I am a graduate of the University of Saskatchewan, Regina,  
with a Bachelor of Science Degree in Geology, 1974.

Since graduation I have been engaged in Mineral Exploration  
in British Columbia, Yukon, Northwest Territories and Arctic  
Archipelago.

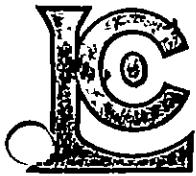
I am a Geologist.

\_\_\_\_\_  
Vancouver, B.C.

  
\_\_\_\_\_  
Gary L. Wesa, Geologist.

APPENDIX II

ASSAYS



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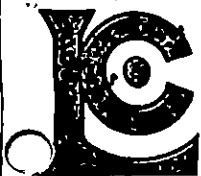
CERT. # : A8210398-001-A  
 INVOICE # : I8210398  
 DATE : 23-FEB-82  
 P.O. # : NONE

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
16N 00+50W	214	16	50	--	--	--	--
16N 01+00W	214	9	60	--	--	--	--
16N 01+50W	214	12	100	--	--	--	--
16N 02+00W	214	11	70	--	--	--	--
16N 02+50W	214	10	40	--	--	--	--
16N 03+00W	214	5	50	--	--	--	--
16N 03+50W	214	6	120	--	--	--	--
16N 04+00W	214	10	180	--	--	--	--
16N 04+50W	214	11	80	--	--	--	--
16N 05+00W	214	10	90	--	--	--	--
16N 05+50W	214	27	110	--	--	--	--
16N 06+00W	214	6	180	--	--	--	--
16N 06+50W	214	11	290	--	--	--	--
16N 07+00W	214	7	70	--	--	--	--
16N 07+50W	214	6	40	--	--	--	--
16N 08+00W	214	10	40	--	--	--	--
16N 08+50W	214	5	50	--	--	--	--
16N 09+00W	214	9	50	--	--	--	--
16N 09+50W	214	11	40	--	--	--	--
16N 10+00W	214	4	40	--	--	--	--
16N 10+50W	214	6	40	--	--	--	--
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16N 11+50W	214	17	50	--	--	--	--
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16N 13+00W	214	14	90	--	--	--	--
16N 13+50W	214	N.S.S.	N.S.S.	--	--	--	--
16N 14+00W	214	16	100	--	--	--	--
16N 14+50W	214	12	40	--	--	--	--
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16N 15+50W	214	6	70	--	--	--	--
16N 16+00W	214	6	30	--	--	--	--
16N 16+50W	214	6	30	--	--	--	--
16N 17+50W	214	50	200	--	--	--	--
16N 18+00W	214	27	80	--	--	--	--
16N 18+50W	214	6	40	--	--	--	--
16N 19+00W	214	9	20	--	--	--	--
16N 19+50W	214	15	30	--	--	--	--
16N 20+00W	214	23	80	--	--	--	--
16N 20+50W	214	6	20	--	--	--	--



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CERT. # : A8210398-002-  
INVOICE # : I8210398  
DATE : 23-FEB-82  
P.O. # : NONE

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
16N 21+00W	214	7	40	--	--	--	--
16N 21+50W	214	6	50	--	--	--	--
16N 22+00W	214	15	40	--	--	--	--
16N 22+50W	214	11	40	--	--	--	--
16N 23+00W	214	7	50	--	--	--	--
16N 23+50W	214	9	30	--	--	--	--
16N 24+00W	214	9	30	--	--	--	--



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CERT. # : A8210291-001-A  
INVOICE # : 18210291  
DATE : 12-FEB-82  
P.O. # : NONE

~~NE-DE-REG-0000~~

W H D B

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
4N 00+50 W	214	5	70	--	--	--	--
4N 01+00 W	214	12	40	--	--	--	--
4N 01+50 W	214	11	30	--	--	--	--
4N 02+00 W	214	7	N.S.S.	--	--	--	--
4N 02+50 W	214	11	30	--	--	--	--
4N 03+00 W	214	7	50	--	--	--	--
4N 03+50 W	214	5	40	--	--	--	--
4N 04+00 W	214	10	50	--	--	--	--
4N 04+50 W	214	9	40	--	--	--	--
4N 05+00 W	214	15	40	--	--	--	--
4N 05+50 W	214	7	40	--	--	--	--
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4N 06+50 W	214	6	30	--	--	--	--
4N 07+00 W	214	10	60	--	--	--	--
4N 07+50 W	214	4	40	--	--	--	--
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4N 08+50 W	214	5	30	--	--	--	--
4N 09+00 W	214	11	40	--	--	--	--
4N 09+50 W	214	10	30	--	--	--	--
4N 10+00 W	214	9	30	--	--	--	--
4N 10+50 W	214	10	40	--	--	--	--
4N 11+00 W	214	12	40	--	--	--	--
4N 11+50 W	214	10	30	--	--	--	--
4N 12+00 W	214	12	50	--	--	--	--
4N 12+50 W	214	5	40	--	--	--	--
4N 13+00 W	214	11	50	--	--	--	--
4N 13+50 W	214	10	40	--	--	--	--
4N 14+00 W	214	9	50	--	--	--	--
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4N 19+00 W	214	7	20	--	--	--	--
4N 19+50 W	214	6	50	--	--	--	--
4N 20+00 W	214	5	40	--	--	--	--



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 INVOICE # : 18210291  
 DATE : 12-FEB-82  
 P.O. # : NONE  
 NE-BC RECONN

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
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4N 21+00 W	214	9	50	--	--	--	--
4N 21+50 W	214	5	30	--	--	--	--
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4N 23+50 W	214	10	40	--	--	--	--
4N 24+00 W	214	4	40	--	--	--	--
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8N 06+50 E	214	12	30	--	--	--	--
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8N 01+50 W	214	10	60	--	--	--	--
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8N 05+00 W	214	12	30	--	--	--	--
8N 05+50 W	214	35	90	--	--	--	--
8N 06+00 W	214	11	30	--	--	--	--

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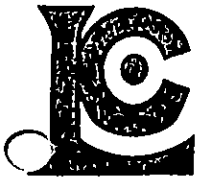
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 INVOICE # : I8210291  
 DATE : 12-FEB-82  
 P.O. # : NONE  
 NE-BC RECONN

ATTN: J.R. DEIGHTON

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8N 07+50 W	214	14	30	--	--	--	--
8N 08+00 W	214	20	140	--	--	--	--
8N 08+50 W	214	N.S.S.	N.S.S.	--	--	--	--
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8N 09+50 W	214	6	N.S.S.	--	--	--	--
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8N 10+50 W	214	10	20	--	--	--	--
8N 11+00 W	214	9	20	--	--	--	--
8N 11+50 W	214	7	50	--	--	--	--
8N 12+00 W	214	9	30	--	--	--	--
8N 12+50 W	214	6	20	--	--	--	--
8N 13+00 W	214	12	40	--	--	--	--
8N 13+50 W	214	11	50	--	--	--	--
8N 14+00 W	214	15	90	--	--	--	--
8N 14+50 W	214	4	40	--	--	--	--
8N 15+00 W	214	9	20	--	--	--	--
8N 15+50 W	214	14	40	--	--	--	--
8N 16+00 W	214	6	30	--	--	--	--
8N 16+50 W	214	7	30	--	--	--	--
8N 17+00 W	214	6	40	--	--	--	--
8N 17+50 W	214	14	50	--	--	--	--
8N 18+00 W	214	6	30	--	--	--	--
8N 18+50 W	214	11	40	--	--	--	--
8N 19+00 W	214	9	50	--	--	--	--
8N 19+50 W	214	19	70	--	--	--	--
8N 20+00 W	214	31	N.S.S.	--	--	--	--
8N 20+50 W	214	5	40	--	--	--	--
8N 21+00 W	214	7	50	--	--	--	--
8N 21+50 W	214	3	20	--	--	--	--
8N 22+00 W	214	9	30	--	--	--	--
8N 22+50 W	214	10	60	--	--	--	--
8N 23+00 W	214	7	50	--	--	--	--
8N 23+50 W	214	7	30	--	--	--	--
8N 24+00 W	214	7	30	--	--	--	--
10N 00+50 W	214	12	30	--	--	--	--
10N 01+00 W	214	12	30	--	--	--	--
10N 01+50 W	214	29	30	--	--	--	--
10N 02+00 W	214	16	40	--	--	--	--



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8210291-004-A  
INVOICE # : I8210291  
DATE : 12-FEB-82  
P.O. # : NONE  
NE-BC RECONN

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
10N 02+50 W	214	19	40	--	--	--	--
10N 03+00 W	214	32	60	--	--	--	--
10N 03+50 W	214	14	30	--	--	--	--
10N 04+00 W	214	11	30	--	--	--	--
10N 05+00 W	214	9	40	--	--	--	--
10N 05+50 W	214	12	40	--	--	--	--
10N 06+00 W	214	7	30	--	--	--	--
10N 06+50 W	214	30	120	--	--	--	--
10N 08+00 W	214	5	50	--	--	--	--
10N 08+50 W	214	9	30	--	--	--	--
10N 09+50 W	214	19	40	--	--	--	--
10N 10+00 W	214	16	100	--	--	--	--
10N 10+50 W	214	17	60	--	--	--	--
10N 11+00 W	214	16	120	--	--	--	--
10N 11+50 W	214	6	60	--	--	--	--
10N 12+00 W	214	4	30	--	--	--	--
10N 12+50 W	214	4	40	--	--	--	--
10N 13+00 W	214	10	30	--	--	--	--
10N 13+50 W	214	7	20	--	--	--	--
10N 14+00 W	214	12	120	--	--	--	--
10N 14+50 W	214	9	30	--	--	--	--
10N 15+00 W	214	9	40	--	--	--	--
10N 15+50 W	214	24	130	--	--	--	--
10N 16+00 W	214	23	90	--	--	--	--
10N 16+50 W	214	19	80	--	--	--	--
10N 17+00 W	214	22	60	--	--	--	--
10N 17+50 W	214	16	60	--	--	--	--
10N 18+00 W	214	15	30	--	--	--	--
10N 18+50 W	214	20	110	--	--	--	--
10N 19+00 W	214	23	90	--	--	--	--
10N 19+50 W	214	22	50	--	--	--	--
10N 20+00 W	214	6	30	--	--	--	--
12N 00+50 W	214	11	30	--	--	--	--
12N 01+00 W	214	11	50	--	--	--	--
12N 01+50 W	214	25	50	--	--	--	--
12N 02+00 W	214	15	100	--	--	--	--
12N 02+50 W	214	14	40	--	--	--	--
12N 03+00 W	214	16	40	--	--	--	--
12N 03+50 W	214	17	50	--	--	--	--
12N 04+00 W	214	20	70	--	--	--	--

*Hart Bichler*

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8210291-005-A  
INVOICE # : I8210291  
DATE : 12-FEB-82  
P.O. # : NONE  
NE-BC RECONN

ATTN: J.R. DEIGHTON

Sample description	Prep code	AS ppm	Hg ppb				
12N 04+50 W	214	83	70	--	--	--	--
12N 05+00 W	214	29	50	--	--	--	--
12N 05+50 W	214	45	260	--	--	--	--
12N 06+00 W	214	16	50	--	--	--	--
12N 07+00 W	214	24	130	--	--	--	--
12N 07+50 W	214	19	40	--	--	--	--
12N 08+00 W	214	15	40	--	--	--	--
12N 08+50 W	214	5	50	--	--	--	--
12N 09+50 W	214	12	50	--	--	--	--
12N 10+00 W	214	12	40	--	--	--	--
12N 10+50 W	214	9	100	--	--	--	--
12N 11+00 W	214	11	30	--	--	--	--
12N 11+50 W	214	46	180	--	--	--	--
12N 12+00 W	214	6	50	--	--	--	--
12N 12+50 W	214	4	30	--	--	--	--
12N 13+00 W	214	3	30	--	--	--	--
12N 13+50 W	214	9	30	--	--	--	--
12N 14+00 W	214	12	60	--	--	--	--
12N 14+50 W	214	16	70	--	--	--	--
12N 15+00 W	214	14	140	--	--	--	--
12N 15+50 W	214	19	30	--	--	--	--
12N 16+00 W	214	14	30	--	--	--	--
12N 16+50 W	214	10	40	--	--	--	--
12N 17+00 W	214	9	20	--	--	--	--
12N 17+50 W	214	5	30	--	--	--	--
12N 18+00 W	214	15	40	--	--	--	--
12N 18+50 W	214	9	40	--	--	--	--
12N 19+00 W	214	9	20	--	--	--	--
12N 19+50 W	214	11	40	--	--	--	--
12N 20+00 W	214	11	30	--	--	--	--
12N 20+50 W	214	14	350	--	--	--	--
12N 21+00 W	214	4	160	--	--	--	--
12N 21+50 W	214	9	70	--	--	--	--
12N 22+00 W	214	6	40	--	--	--	--
12N 22+50 W	214	9	40	--	--	--	--
12N 23+00 W	214	7	30	--	--	--	--



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDE  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114137-001-A  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
~~NET WEIGHT~~

*WHD B*

ATTN: P. BURT

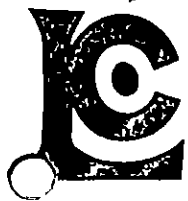
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
12S 06+00 E	201	73	3	50	0.1	6	<10
12S 06+50 E	201	73	4	57	0.2	11	<10
12S 07+00 E	201	48	2	46	0.1	6	<10
12S 10+50 W	201	5	1	22	0.1	4	N.S.S.
12S 11+00 W	201	14	2	42	0.2	4	<10
12S 11+50 W	201	139	10	258	0.2	4	N.S.S.
12S 12+00 W	201	164	1	18	0.1	3	N.S.S.
12S 12+50 W	201	113	9	25	0.1	4	N.S.S.
12S 13+00 W	201	67	3	56	0.4	7	<10
12S 13+50 W	201	310	5	73	0.1	5	<10
12S 14+00 W	201	169	1	25	0.2	3	N.S.S.
12S 14+50 W	201	415	7	32	0.1	2	N.S.S.
12S 10+50 W	203	64	1	27	0.4	7	<10
12S 11+00 W	201	152	4	50	0.2	5	<10
12S 11+50 W	203	25	4	20	0.1	7	<10
12S 12+00 W	201	34	3	27	0.1	5	<10
12S 12+50 W	201	250	8	48	0.1	5	<10
12S 13+00 W	201	54	1	95	0.1	5	<10
12S 14+00 W	203	130	1	73	0.1	6	<10
12S 14+50 W	203	152	8	84	0.3	7	<10
12S 00+50 E	201	52	10	58	0.1	6	<10
12S 01+00 E	201	124	24	58	0.2	7	<10
12S 01+50 E	201	63	5	69	0.3	5	<10
12S 02+00 E	201	97	5	86	0.1	6	<10
12S 02+50 E	201	97	6	90	0.1	7	<10
12S 03+00 E	201	84	4	68	0.2	7	<10
12S 03+50 E	203	54	4	45	0.1	5	<10
12S 04+00 E	203	76	3	65	0.2	6	<10
12S 04+50 E	203	50	1	51	0.1	5	<10
12S 05+00 E	203	72	2	128	0.1	4	<10
12S 10+50 W	201	95	1	72	0.1	--	<10
12S 11+00 W	201	95	3	114	0.1	--	<10
12S 11+50 W	201	31	5	43	0.1	--	<10
12S 12+00 W	201	71	4	48	0.1	--	<10
12S 12+50 W	201	112	3	66	0.1	--	<10
12S 13+00 W	201	245	9	55	0.1	--	<10
12S 13+50 W	201	245	7	70	0.1	--	<10
12S 00+50 E	201	52	5	40	0.1	5	<10
12S 01+00 E	201	49	6	36	0.1	6	<10
12S 01+50 E	201	52	6	35	0.1	6	<10

*Hart Bichler*

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114137-001-B  
 INVOICE # : I8114137  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
12S 06+00 E	201	70	--	--	--	--	--
12S 06+50 E	201	70	--	--	--	--	--
12S 07+00 E	201	40	--	--	--	--	--
12S 10+50 W	201	130	--	--	--	--	--
12S 11+00 W	201	20	--	--	--	--	--
12S 11+50 W	201	70	--	--	--	--	--
12S 12+00 W	201	50	--	--	--	--	--
12S 12+50 W	201	90	--	--	--	--	--
12S 13+00 W	201	40	--	--	--	--	--
12S 13+50 W	201	60	--	--	--	--	--
12S 14+00 W	201	50	--	--	--	--	--
12S 14+50 W	201	110	--	--	--	--	--
14S 10+50 W	203	30	--	--	--	--	--
14S 11+00 W	201	70	--	--	--	--	--
14S 11+50 W	203	30	--	--	--	--	--
14S 12+00 W	201	40	--	--	--	--	--
14S 12+50 W	201	N.S.S.	--	--	--	--	--
14S 13+00 W	201	70	--	--	--	--	--
14S 14+00 W	203	90	--	--	--	--	--
14S 14+50 W	203	90	--	--	--	--	--
16S 00+50 E	201	40	--	--	--	--	--
16S 01+00 E	201	30	--	--	--	--	--
16S 01+50 E	201	40	--	--	--	--	--
16S 02+00 E	201	40	--	--	--	--	--
16S 02+50 E	201	30	--	--	--	--	--
16S 03+00 E	201	50	--	--	--	--	--
16S 03+50 E	203	20	--	--	--	--	--
16S 04+00 E	203	20	--	--	--	--	--
16S 04+50 E	203	20	--	--	--	--	--
16S 05+00 E	203	30	--	--	--	--	--
16S 10+50W	201	--	--	--	--	--	--
16S 11+00 W	201	--	--	--	--	--	--
16S 11+50 W	201	--	--	--	--	--	--
16S 12+00 W	201	--	--	--	--	--	--
16S 12+50 W	201	--	--	--	--	--	--
16S 13+00 W	201	--	--	--	--	--	--
16S 13+50 W	201	--	--	--	--	--	--
18S 00+50 E	201	30	--	--	--	--	--
18S 01+00 E	201	20	--	--	--	--	--
18S 01+50 E	201	30	--	--	--	--	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114137-002-A  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
18S 02+00E	201	47	6	33	0.1	9	<10
18S 02+50E	201	46	5	31	0.1	6	<10
18S 03+00E	201	79	5	55	0.1	5	<10
18S 03+50E	201	71	5	49	0.1	5	<10
18S 04+00E	201	65	7	44	0.1	7	<10
18S 04+50E	201	97	10	52	0.1	6	<10
18S 05+00E	201	105	6	54	0.4	9	<10
18S 10+50 W	201	600	9	14	0.4	--	<10
18S 11+00 W	201	480	1	21	0.1	--	<10
18S 11+50 W	201	109	3	48	0.1	--	<10
20S 00+50 E	201	250	39	104	1.1	12	<10
20S 01+00 E	201	220	17	68	0.3	12	<10
20S 01+50 E	201	146	12	95	0.4	10	<10
20S 02+00 E	201	138	23	62	0.2	15	<10
20S 02+50 E	201	235	39	130	0.6	15	<10
20S 03+00 E	201	181	15	140	0.2	11	<10
20S 03+50 E	201	220	11	170	0.2	11	<10
20S 04+00 E	201	51	4	40	0.1	11	<10
20S 04+50 E	201	28	4	34	0.1	6	<10
20S 05+00 E	201	46	3	43	0.2	7	<10
20S 10+50 W	201	106	6	65	0.1	7	<10
22S 00+50 E	201	37	7	44	0.1	9	<10
22S 01+00 E	201	19	4	52	0.2	12	<10
22S 01+50 E	201	13	2	42	0.1	9	<10
22S 02+00 E	201	43	11	43	0.1	7	<10
22S 02+50 E	201	43	15	33	0.1	11	<10
22S 03+00 E	201	108	29	124	0.1	12	<10
22S 03+50 E	201	109	41	158	0.3	12	<10
22S 04+00 E	201	32	7	44	0.2	6	<10
22S 04+50 E	201	21	3	13	0.1	7	<10
22S 05+00 E	201	23	4	19	0.1	6	<10
22S 10+50 W	201	230	38	28	0.1	6	<10
22S 11+00 W	201	124	3	62	0.2	7	<10
22S 11+50 W	201	275	8	84	0.1	7	<10
22S 12+00 W	201	160	4	77	0.1	12	<10
24S 00+50 W	201	42	5	53	0.1	10	<10
24S 02+50 W	201	600	7	98	0.1	6	<10
24S 03+00 W	201	420	19	235	0.2	9	<10
24S 03+50 W	201	1350	64	148	0.1	7	<10
24S 04+00 W	201	430	2	70	0.8	7	<10

*Hart Bichler*

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# CHEMEX LABS LTD.

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

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

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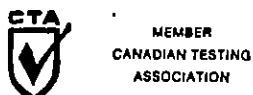
## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114137-002-B  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
18S 02+00E	201	20	--	--	--	--	--	--
18S 02+50E	201	20	--	--	--	--	--	--
18S 03+00E	201	10	--	--	--	--	--	--
18S 03+50E	201	20	--	--	--	--	--	--
18S 04+00E	201	20	--	--	--	--	--	--
18S 04+50E	201	30	--	--	--	--	--	--
18S 05+00E	201	40	--	--	--	--	--	--
18S 10+50 W	201	--	--	--	--	--	--	--
18S 11+00 W	201	--	--	--	--	--	--	--
18S 11+50 W	201	--	--	--	--	--	--	--
20S 00+50 E	201	80	--	--	--	--	--	--
20S 01+00 E	201	40	--	--	--	--	--	--
20S 01+50 E	201	50	--	--	--	--	--	--
20S 02+00 E	201	40	--	--	--	--	--	--
20S 02+50 E	201	30	--	--	--	--	--	--
20S 03+00 E	201	20	--	--	--	--	--	--
20S 03+50 E	201	30	--	--	--	--	--	--
20S 04+00 E	201	20	--	--	--	--	--	--
20S 04+50 E	201	10	--	--	--	--	--	--
20S 05+00 E	201	10	--	--	--	--	--	--
20S 10+50 W	201	10	--	--	--	--	--	--
22S 00+50 E	201	30	--	--	--	--	--	--
22S 01+00 E	201	50	--	--	--	--	--	--
22S 01+50 E	201	30	--	--	--	--	--	--
22S 02+00 E	201	20	--	--	--	--	--	--
22S 02+50 E	201	20	--	--	--	--	--	--
22S 03+00 E	201	190	--	--	--	--	--	--
22S 03+50 E	201	30	--	--	--	--	--	--
22S 04+00 E	201	10	--	--	--	--	--	--
22S 04+50 E	201	10	--	--	--	--	--	--
22S 05+00 E	201	10	--	--	--	--	--	--
22S 10+50 W	201	70	--	--	--	--	--	--
22S 11+00 W	201	40	--	--	--	--	--	--
22S 11+50 W	201	70	--	--	--	--	--	--
22S 12+00 W	201	50	--	--	--	--	--	--
24S 00+50 W	201	40	--	--	--	--	--	--
24S 02+50 W	201	60	--	--	--	--	--	--
24S 03+00 W	201	30	--	--	--	--	--	--
24S 03+50 W	201	80	--	--	--	--	--	--
24S 04+00 W	201	110	--	--	--	--	--	--



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

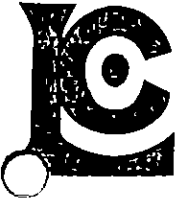
CERT. # : A8114137-003-A  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
24S 04+50 W	201	138	11	138	0.2	15	<10
24S 05+00 W	201	187	10	123	0.2	11	<10
24S 05+50 W	201	131	8	126	0.2	12	<10
24S 06+00 W	201	127	5	60	0.2	10	<10
24S 06+50 W	201	152	4	40	1.0	6	<10
24S 07+00 W	201	135	8	12	0.4	6	<10
24S 07+50 W	201	50	3	28	0.1	6	<10
24S 08+00 W	201	410	10	53	0.5	6	<10
24S 08+50 W	201	415	53	38	0.1	6	<10
24S 09+00 W	201	47	15	23	0.1	6	<10
24S 09+50 W	201	30	7	50	0.1	4	<10
24S 10+00 W	201	55	5	42	0.3	6	<10
12N 00+50 W	201	52	1	85	0.1	--	<10
12N 01+00 W	201	62	2	76	0.2	--	<10
12N 01+50 W	201	181	1	168	0.3	--	<10
12N 02+00 W	201	126	1	315	0.2	--	<10
12N 02+50 W	201	66	1	135	0.1	--	<10
12N 03+00 W	201	59	1	140	0.3	--	<10
12N 03+50 W	201	91	1	142	0.1	--	<10
12N 04+00 W	201	92	1	201	0.1	--	20
12N 04+50 W	201	131	1	280	0.1	--	10
12N 05+00 W	201	89	1	140	0.2	--	40
12N 05+50 W	201	76	1	115	0.1	--	<10
12N 06+00 W	201	57	1	90	0.2	--	<10
12N 07+00 W	201	93	1	85	0.1	--	<10
12N 07+50 W	201	60	1	85	0.1	--	<10
12N 08+00 W	201	57	1	73	0.1	--	<10
12N 08+50 W	201	31	1	85	0.2	--	<10
12N 09+50 W	201	57	3	90	0.1	--	<10
12N 10+00 W	201	36	2	69	0.1	--	<10
12N 10+50 W	201	88	1	34	0.1	--	10
12N 11+00 W	201	34	1	80	0.1	--	<10
12N 11+50 W	201	225	5	108	1.1	--	<10
12N 12+00 W	201	36	2	80	0.2	--	<10
12N 12+50 W	201	16	1	46	0.2	--	<10
12N 13+00 W	201	44	1	38	0.1	--	<10
12N 13+50 W	201	22	2	6	0.1	--	<10
12N 14+00 W	201	78	2	100	0.3	--	<10
12N 14+50 W	201	55	1	30	0.2	--	<10
12N 15+00 W	201	49	1	94	0.4	--	120

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

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

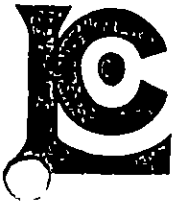
CERT. # : A8114137-003-B  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
24S 04+50 W	201	30	--	--	--	--	--
24S 05+00 W	201	40	--	--	--	--	--
24S 05+50 W	201	30	--	--	--	--	--
24S 06+00 W	201	100	--	--	--	--	--
24S 06+50 W	201	120	--	--	--	--	--
24S 07+00 W	201	60	--	--	--	--	--
24S 07+50 W	201	20	--	--	--	--	--
24S 08+00 W	201	30	--	--	--	--	--
24S 08+50 W	201	20	--	--	--	--	--
24S 09+00 W	201	20	--	--	--	--	--
24S 09+50 W	201	10	--	--	--	--	--
24S 10+00 W	201	20	--	--	--	--	--
12N 00+50 W	201	--	--	--	--	--	--
12N 01+00 W	201	--	--	--	--	--	--
12N 01+50 W	201	--	--	--	--	--	--
12N 02+00 W	201	--	--	--	--	--	--
12N 02+50 W	201	--	--	--	--	--	--
12N 03+00 W	201	--	--	--	--	--	--
12N 03+50 W	201	--	--	--	--	--	--
12N 04+00 W	201	--	--	--	--	--	--
12N 04+50 W	201	--	--	--	--	--	--
12N 05+00 W	201	--	--	--	--	--	--
12N 05+50 W	201	--	--	--	--	--	--
12N 06+00 W	201	--	--	--	--	--	--
12N 07+00 W	201	--	--	--	--	--	--
12N 07+50 W	201	--	--	--	--	--	--
12N 08+00 W	201	--	--	--	--	--	--
12N 08+50 W	201	--	--	--	--	--	--
12N 09+50 W	201	--	--	--	--	--	--
12N 10+00 W	201	--	--	--	--	--	--
12N 10+50 W	201	--	--	--	--	--	--
12N 11+00 W	201	--	--	--	--	--	--
12N 11+50 W	201	--	--	--	--	--	--
12N 12+00 W	201	--	--	--	--	--	--
12N 12+50 W	201	--	--	--	--	--	--
12N 13+00 W	201	--	--	--	--	--	--
12N 13+50 W	201	--	--	--	--	--	--
12N 14+00 W	201	--	--	--	--	--	--
12N 14+50 W	201	--	--	--	--	--	--
12N 15+00 W	201	--	--	--	--	--	--

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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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114137-004-A  
 INVOICE # : I8114137  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
12N 15+50 W	201	54	1	73	0.2	--	10
12N 16+00 W	201	37	1	75	0.1	--	20
12N 16+50 W	201	32	1	63	0.3	--	<10
12N 17+00 W	201	25	1	65	0.1	--	<10
12N 17+50 W	201	14	1	39	0.1	--	<10
12N 18+00 W	201	56	1	81	0.3	--	<10
12N 18+50 W	201	26	1	57	0.1	--	<10
12N 19+00 W	201	21	1	71	0.1	--	<10
12N 19+50 W	201	22	2	44	0.1	--	<10
12N 20+00 W	201	32	1	75	0.1	--	<10
12N 20+50 W	201	145	1	51	1.8	--	<10
12N 21+00 W	201	63	1	27	0.6	--	<10
12N 21+50 W	201	19	1	35	0.1	--	<10
12N 22+00 W	201	11	1	40	0.1	--	<10
12N 22+50 W	201	17	1	38	0.1	--	<10
12N 23+00 W	201	21	1	67	0.1	--	<10
12N 23+50 W	201	15	1	36	0.4	--	20
12N 24+00 W	201	30	1	37	0.2	--	10
NOOS 13+00 W	201	16	1	25	0.1	7	20
NOOS 13+50 W	201	32	1	13	0.3	7	<10
NOOS 14+00 W	201	11	4	20	0.2	7	10
NOOS 14+50 W	201	8	2	16	0.2	5	10
NOOS 15+00 W	201	8	4	15	0.1	4	<10
NOOS 15+50 W	201	50	2	13	0.2	4	<10
NOOS 16+00 W	201	27	3	13	0.2	4	<10
NOOS 16+50 W	201	19	7	25	0.1	7	10
NOOS 17+00 W	201	17	4	36	0.1	6	<10
NOOS 17+50 W	201	8	6	11	0.1	3	<10
NOOS 18+00 W	201	17	4	21	0.1	4	<10
NOOS 18+50 W	201	21	2	30	0.1	5	10
NOOS 19+00 W	201	24	1	22	0.2	3	20
NOOS 19+50 W	201	17	1	4	0.2	4	10
NOOS 20+00 W	201	31	1	72	0.1	11	10
NOOS 20+50 W	201	25	1	62	0.1	9	10
NOOS 21+00 W	201	18	1	39	0.1	5	10
NOOS 21+50 W	201	58	6	83	0.3	9	20
NOOS 22+00 W	201	72	2	40	0.4	4	10
NOOS 22+50 W	201	12	2	27	0.1	4	<10
NOOS 23+00 W	201	24	1	36	0.1	5	<10
NOOS 23+50 W	201	17	1	13	1.1	6	10

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114137-004-B  
INVOICE # : 18114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
12N 15+50 W	201	--	--	--	--	--	--
12N 16+00 W	201	--	--	--	--	--	--
12N 16+50 W	201	--	--	--	--	--	--
12N 17+00 W	201	--	--	--	--	--	--
12N 17+50 W	201	--	--	--	--	--	--
12N 18+00 W	201	--	--	--	--	--	--
12N 18+50 W	201	--	--	--	--	--	--
12N 19+00 W	201	--	--	--	--	--	--
12N 19+50 W	201	--	--	--	--	--	--
12N 20+00 W	201	--	--	--	--	--	--
12N 20+50 W	201	--	--	--	--	--	--
12N 21+00 W	201	--	--	--	--	--	--
12N 21+50 W	201	--	--	--	--	--	--
12N 22+00 W	201	--	--	--	--	--	--
12N 22+50 W	201	--	--	--	--	--	--
12N 23+00 W	201	--	--	--	--	--	--
12N 23+50 W	201	--	--	--	--	--	--
12N 24+00 W	201	--	--	--	--	--	--
NOOS 13+00 W	201	20	--	--	--	--	--
NOOS 13+50 W	201	80	--	--	--	--	--
NOOS 14+00 W	201	30	--	--	--	--	--
NOOS 14+50 W	201	20	--	--	--	--	--
NOOS 15+00 W	201	10	--	--	--	--	--
NOOS 15+50 W	201	10	--	--	--	--	--
NOOS 16+00 W	201	50	--	--	--	--	--
NOOS 16+50 W	201	20	--	--	--	--	--
NOOS 17+00 W	201	10	--	--	--	--	--
NOOS 17+50 W	201	20	--	--	--	--	--
NOOS 18+00 W	201	20	--	--	--	--	--
NOOS 18+50 W	201	20	--	--	--	--	--
NOOS 19+00 W	201	20	--	--	--	--	--
NOOS 19+50 W	201	30	--	--	--	--	--
NOOS 20+00 W	201	20	--	--	--	--	--
NOOS 20+50 W	201	30	--	--	--	--	--
NOOS 21+00 W	201	50	--	--	--	--	--
NOOS 21+50 W	201	40	--	--	--	--	--
NOOS 22+00 W	201	50	--	--	--	--	--
NOOS 22+50 W	201	30	--	--	--	--	--
NOOS 23+00 W	201	20	--	--	--	--	--
NOOS 23+50 W	201	50	--	--	--	--	--

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TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114137-005-A  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
N00S 24+00 W	201	46	1	58	0.1	12	<10
12N 05+50 E	201	39	1	66	0.3	12	<10
12N 06+00 E	201	33	1	68	0.1	7	<10
12N 06+50 E	201	48	1	68	0.1	7	<10
12N 07+00 E	201	32	1	85	0.1	7	<10
12N 07+50 E	201	38	1	144	0.1	9	<10
12N 08+00 E	201	24	1	75	0.1	4	<10
12N 08+50 E	201	26	1	84	0.1	15	<10
12N 09+00 E	201	32	1	145	0.1	11	<10
12N 09+50 E	201	25	1	126	0.1	20	<10
12N 10+00 E	201	48	1	135	0.1	11	<10
24S 10+50 W	201	550	1	55	0.4	5	<10



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# CHEMEX LABS LTD.

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TELEX: 043-52597

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

CERT. # : A8114137-005-3  
INVOICE # : I8114137  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
N00S 24+00 W	201	20	--	--	--	--	--	--
12N 05+50 E	201	30	--	--	--	--	--	--
12N 06+00 E	201	20	--	--	--	--	--	--
12N 06+50 E	201	20	--	--	--	--	--	--
12N 07+00 E	201	30	--	--	--	--	--	--
12N 07+50 E	201	20	--	--	--	--	--	--
12N 08+00 E	201	40	--	--	--	--	--	--
12N 08+50 E	201	60	--	--	--	--	--	--
12N 09+00 E	201	20	--	--	--	--	--	--
12N 09+50 E	201	20	--	--	--	--	--	--
12N 10+00 E	201	10	--	--	--	--	--	--
24S 10+50 W	201	60	--	--	--	--	--	--



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212 BROOKSBANK AVE  
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TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

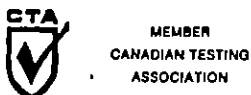
CERT. # : A8114134-001-A  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA oppb
2N 07+50 W	201	54	1	55	0.3	16	<10
2N 08+00 W	201	132	6	57	0.4	15	<10
2N 08+50 W	201	109	8	58	0.4	18	<10
2N 09+00 W	201	45	2	50	0.5	9	<10
2N 09+50 W	201	23	1	43	0.3	9	<10
2N 10+00 W	201	32	1	38	0.1	10	<10
2N 10+50 W	201	19	1	43	0.1	11	<10
2N 11+00 W	201	26	1	42	0.2	10	<10
2N 11+50 W	201	25	1	52	0.1	9	<10
2N 12+00 W	201	52	1	60	0.1	12	10
2N 12+50 W	201	25	1	43	0.2	12	<10
2N 13+00 W	201	14	1	21	0.3	6	10
2N 13+50 W	201	26	1	57	0.2	11	10
2N 14+00 W	201	48	1	60	0.1	15	<10
2N 14+50 W	201	36	1	67	0.3	10	<10
2N 15+00 W	201	34	1	60	0.1	12	<10
2N 15+50 W	201	47	1	56	0.2	15	<10
2N 16+50 W	201	23	1	44	0.1	9	10
2N 17+00 W	201	24	1	44	0.1	11	20
2N 17+50 W	201	18	1	45	0.1	9	<10
2N 18+00 W	201	23	2	45	0.3	11	<10
2N 18+50 W	201	18	1	44	0.1	14	<10
2N 19+00 W	203	32	1	50	0.1	14	<10
2N 19+50 W	201	26	1	50	0.3	6	<10
2N 20+00 W	201	26	1	68	0.3	9	10
2N 20+50 W	201	9	1	38	0.1	3	<10
2N 21+00 W	201	58	4	175	0.1	17	20
2N 21+50 W	201	106	7	50	0.3	10	<10
2N 22+00 W	201	205	4	48	0.3	7	<10
2N 22+50 W	201	37	13	40	0.1	6	<10
2N 23+00 W	201	44	4	46	0.1	6	<10
2N 23+50 W	201	101	35	168	0.1	15	<10
2N 24+00 W	201	77	7	80	0.1	12	<10
4N 00+50 W	201	82	1	35	0.7	4	<10
4N 01+00 W	201	33	1	55	0.1	14	<10
4N 01+50 W	201	40	1	83	0.2	15	<10
4N 02+00 W	203	50	1	65	0.2	9	<10
4N 02+50 W	201	49	1	64	0.2	12	<10
4N 03+00 W	203	34	1	45	0.3	6	10
4N 03+50 W	201	50	1	67	0.3	9	20

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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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-001-B  
INVOICE # : 18114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
2N 07+50 W	201	20	--	--	--	--	--
2N 08+00 W	201	50	--	--	--	--	--
2N 08+50 W	201	140	--	--	--	--	--
2N 09+00 W	201	40	--	--	--	--	--
2N 09+50 W	201	220	--	--	--	--	--
2N 10+00 W	201	30	--	--	--	--	--
2N 10+50 W	201	20	--	--	--	--	--
2N 11+00 W	201	30	--	--	--	--	--
2N 11+50 W	201	50	--	--	--	--	--
2N 12+00 W	201	30	--	--	--	--	--
2N 12+50 W	201	40	--	--	--	--	--
2N 13+00 W	201	40	--	--	--	--	--
2N 13+50 W	201	50	--	--	--	--	--
2N 14+00 W	201	50	--	--	--	--	--
2N 14+50 W	201	30	--	--	--	--	--
2N 15+00 W	201	20	--	--	--	--	--
2N 15+50 W	201	30	--	--	--	--	--
2N 16+50 W	201	30	--	--	--	--	--
2N 17+00 W	201	40	--	--	--	--	--
2N 17+50 W	201	30	--	--	--	--	--
2N 18+00 W	201	40	--	--	--	--	--
2N 18+50 W	201	20	--	--	--	--	--
2N 19+00 W	203	30	--	--	--	--	--
2N 19+50 W	201	30	--	--	--	--	--
2N 20+00 W	201	60	--	--	--	--	--
2N 20+50 W	201	50	--	--	--	--	--
2N 21+00 W	201	30	--	--	--	--	--
2N 21+50 W	201	40	--	--	--	--	--
2N 22+00 W	201	30	--	--	--	--	--
2N 22+50 W	201	50	--	--	--	--	--
2N 23+00 W	201	30	--	--	--	--	--
2N 23+50 W	201	30	--	--	--	--	--
2N 24+00 W	201	70	--	--	--	--	--
4N 00+50 W	201	40	--	--	--	--	--
4N 01+00 W	201	20	--	--	--	--	--
4N 01+50 W	201	40	--	--	--	--	--
4N 02+00 W	203	20	--	--	--	--	--
4N 02+50 W	201	80	--	--	--	--	--
4N 03+00 W	203	40	--	--	--	--	--
4N 03+50 W	201	40	--	--	--	--	--

*Hart Buchler*

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114134-002-A  
 INVOICE # : I8114134  
 DATE : 23-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
4N 04+00 W	201	34	1	68	0.1	10	20
4N 04+50 W	201	24	1	98	0.2	10	10
4N 05+00 W	201	33	1	78	0.1	11	10
4N 05+50 W	201	23	1	45	0.4	10	20
4N 06+00 W	201	43	1	58	0.1	15	<10
4N 06+50 W	201	52	1	80	0.2	11	20
4N 07+00 W	201	31	1	42	0.1	12	<10
4N 07+50 W	201	26	1	22	0.3	6	10
4N 08+00 W	201	22	1	51	0.2	6	<10
4N 08+50 W	201	21	1	48	0.1	6	<10
4N 09+00 W	201	29	1	60	0.2	12	<10
4N 09+50 W	201	16	1	46	0.1	12	<10
4N 10+00 W	201	15	1	34	0.1	7	<10
4N 10+50 W	201	24	1	48	0.2	--	<10
4N 11+00 W	201	25	1	48	0.1	--	20
4N 11+50 W	201	24	1	46	0.1	--	<10
4N 12+00 W	201	37	1	41	0.3	--	<10
4N 12+50 W	201	21	1	39	0.2	--	<10
4N 13+00 W	201	39	1	50	0.1	--	<10
4N 13+50 W	201	30	1	45	0.2	--	<10
4N 14+00 W	201	20	1	51	0.1	--	<10
4N 14+50 W	201	16	1	39	0.3	--	<10
4N 15+00 W	201	28	1	34	0.2	--	<10
4N 15+50 W	201	25	1	27	0.1	--	<10
4N 16+00 W	201	26	1	43	0.1	--	10
4N 16+50 W	201	16	1	32	0.1	--	<10
4N 17+00 W	201	16	1	32	0.1	--	<10
4N 17+50 W	201	85	1	60	0.1	--	<10
4N 18+00 W	201	28	1	38	0.1	--	10
4N 18+50 W	201	20	1	40	0.1	--	<10
4N 19+00 W	201	13	1	50	0.2	--	20
4N 19+50 W	201	31	1	56	0.3	--	<10
4N 20+00 W	201	31	1	34	0.2	--	<10
4N 20+50 W	201	28	1	41	0.1	--	10
4N 21+00 W	201	52	4	34	0.1	--	<10
4N 21+50 W	201	24	1	46	0.2	--	10
4N 22+00 W	201	41	1	51	0.2	--	<10
4N 22+50 W	201	13	1	30	0.1	--	20
4N 23+00 W	201	38	1	70	0.1	--	10
4N 23+50 W	201	52	1	60	0.1	--	<10

*Hart Bechler*

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# CHEMEX LABS LTD.

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

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• REGISTERED ASSAYERS

TELEPHONE (604)984-0221  
TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-002-5  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-8C RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
4N 04+00 W	201	30	--	--	--	--	--
4N 04+50 W	201	40	--	--	--	--	--
4N 05+00 W	201	50	--	--	--	--	--
4N 05+50 W	201	40	--	--	--	--	--
4N 06+00 W	201	40	--	--	--	--	--
4N 06+50 W	201	30	--	--	--	--	--
4N 07+00 W	201	60	--	--	--	--	--
4N 07+50 W	201	40	--	--	--	--	--
4N 08+00 W	201	30	--	--	--	--	--
4N 08+50 W	201	20	--	--	--	--	--
4N 09+00 W	201	40	--	--	--	--	--
4N 09+50 W	201	20	--	--	--	--	--
4N 10+00 W	201	20	--	--	--	--	--
4N 10+50 W	201	--	--	--	--	--	--
4N 11+00 W	201	--	--	--	--	--	--
4N 11+50 W	201	--	--	--	--	--	--
4N 12+00 W	201	--	--	--	--	--	--
4N 12+50 W	201	--	--	--	--	--	--
4N 13+00 W	201	--	--	--	--	--	--
4N 13+50 W	201	--	--	--	--	--	--
4N 14+00 W	201	--	--	--	--	--	--
4N 14+50 W	201	--	--	--	--	--	--
4N 15+00 W	201	--	--	--	--	--	--
4N 15+50 W	201	--	--	--	--	--	--
4N 16+00 W	201	--	--	--	--	--	--
4N 16+50 W	201	--	--	--	--	--	--
4N 17+00 W	201	--	--	--	--	--	--
4N 17+50 W	201	--	--	--	--	--	--
4N 18+00 W	201	--	--	--	--	--	--
4N 18+50 W	201	--	--	--	--	--	--
4N 19+00 W	201	--	--	--	--	--	--
4N 19+50 W	201	--	--	--	--	--	--
4N 20+00 W	201	--	--	--	--	--	--
4N 20+50 W	201	--	--	--	--	--	--
4N 21+00 W	201	--	--	--	--	--	--
4N 21+50 W	201	--	--	--	--	--	--
4N 22+00 W	201	--	--	--	--	--	--
4N 22+50 W	201	--	--	--	--	--	--
4N 23+00 W	201	--	--	--	--	--	--
4N 23+50 W	201	--	--	--	--	--	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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 CANADA V7J 2C1  
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 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

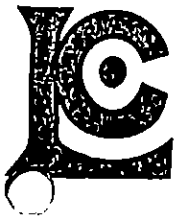
CERT. # : A8114134-003-A  
 INVOICE # : I8114134  
 DATE : 23-OCT-81  
 P.O. # : NONE  
 NE-8C RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
4N 24+00 W	201	49	1	35	0.2	--	<10
5N 00+50 E	201	36	1	66	0.1	10	<10
5N 01+00 E	201	36	3	74	0.2	11	<10
5N 01+50 E	201	63	2	93	0.2	10	<10
5N 02+00 E	201	27	2	64	0.1	10	10
5N 06+00 E	201	43	2	58	0.1	12	<10
5N 08+00 E	201	51	1	98	0.1	10	<10
6N 00+50 E	201	37	1	70	0.1	--	20
6N 01+00 E	201	39	1	105	0.1	--	<10
6N 01+50 E	201	60	1	103	0.4	--	10
6N 02+00 E	201	86	1	104	0.4	--	10
6N 02+50 E	201	35	1	65	0.2	--	10
6N 03+00 E	201	51	1	62	0.2	--	<10
6N 03+50 E	201	40	1	58	0.1	--	<10
6N 04+00 E	201	148	1	75	0.1	--	<10
6N 05+00 E	201	73	1	63	0.1	--	<10
6N 05+50 E	201	43	1	40	0.3	--	10
6N 06+00 E	201	45	1	49	0.1	--	10
6N 06+50 E	201	54	3	56	0.1	--	<10
6N 07+00 E	201	39	2	55	0.1	--	<10
6N 07+50 E	201	40	1	56	0.1	--	130
6N 08+00 E	201	31	1	50	0.1	--	<10
6N 08+50 E	201	18	1	25	0.1	--	<10
6N 09+00 E	201	23	1	35	0.2	--	20
6N 09+50 E	201	29	1	50	0.1	--	<10
6N 10+00 E	201	39	1	40	0.1	--	<10
6N 00+50 W	201	33	1	66	0.2	15	20
6N 01+00 W	201	27	1	70	0.3	12	10
6N 01+50 W	201	33	1	66	0.1	14	<10
6N 02+00 W	201	72	1	82	0.1	14	<10
6N 02+50 W	201	43	1	74	0.1	22	<10
6N 03+00 W	201	29	1	63	0.1	12	<10
6N 03+50 W	201	115	1	95	0.9	16	10
6N 04+00 W	201	81	3	90	0.5	16	<10
6N 04+50 W	201	50	1	80	0.1	12	10
6N 05+00 W	201	102	1	65	0.2	15	<10
6N 05+50 W	201	25	1	38	0.3	6	10
6N 06+00 W	201	23	1	35	0.4	6	20
6N 06+50 W	201	280	1	28	0.1	11	<10
6N 07+00 W	201	35	1	52	0.1	15	<10

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1

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

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• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-003-2  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-8C RECON

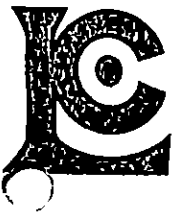
ATTN: P. BURT

Sample description	Prep code	Hg ppb					
4N 24+00 W	201	--	--	--	--	--	--
5N 00+50 E	201	20	--	--	--	--	--
5N 01+00 E	201	20	--	--	--	--	--
5N 01+50 E	201	40	--	--	--	--	--
5N 02+00 E	201	10	--	--	--	--	--
5N 06+00 E	201	20	--	--	--	--	--
5N 08+00 E	201	30	--	--	--	--	--
6N 00+50 E	201	--	--	--	--	--	--
6N 01+00 E	201	--	--	--	--	--	--
6N 01+50 E	201	--	--	--	--	--	--
6N 02+00 E	201	--	--	--	--	--	--
6N 02+50 E	201	--	--	--	--	--	--
6N 03+00 E	201	--	--	--	--	--	--
6N 03+50 E	201	--	--	--	--	--	--
6N 04+00 E	201	--	--	--	--	--	--
6N 05+00 E	201	--	--	--	--	--	--
6N 05+50 E	201	--	--	--	--	--	--
6N 06+00 E	201	--	--	--	--	--	--
6N 06+50 E	201	--	--	--	--	--	--
6N 07+00 E	201	--	--	--	--	--	--
6N 07+50 E	201	--	--	--	--	--	--
6N 08+00 E	201	--	--	--	--	--	--
6N 08+50 E	201	--	--	--	--	--	--
6N 09+00 E	201	--	--	--	--	--	--
6N 09+50 E	201	--	--	--	--	--	--
6N 10+00 E	201	--	--	--	--	--	--
6N 00+50 W	201	20	--	--	--	--	--
6N 01+00 W	201	10	--	--	--	--	--
6N 01+50 W	201	20	--	--	--	--	--
6N 02+00 W	201	30	--	--	--	--	--
6N 02+50 W	201	30	--	--	--	--	--
6N 03+00 W	201	20	--	--	--	--	--
6N 03+50 W	201	50	--	--	--	--	--
6N 04+00 W	201	30	--	--	--	--	--
6N 04+50 W	201	30	--	--	--	--	--
6N 05+00 W	201	60	--	--	--	--	--
6N 05+50 W	201	30	--	--	--	--	--
6N 06+00 W	201	30	--	--	--	--	--
6N 06+50 W	201	210	--	--	--	--	--
6N 07+00 W	201	30	--	--	--	--	--

*Hart Bichler*

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 TELEX: 043-52597

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TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114134-0C4-A  
 INVOICE # : I8114134  
 DATE : 23-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

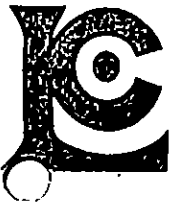
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
6N 07+50 W	201	30	1	58	0.2 ✓	15	<10
6N 08+00 W	201	30	1	36	0.3 ✓	9	<10
6N 08+50 W	201	32	1	56	0.2 ✓	9	10 ✓
6N 09+00 W	201	20	1	35	0.1 ✓	9	<10
6N 09+50 W	201	30	1	50	0.1 ✓	15	<10
6N 10+00 W	201	46	1	53	0.1 ✓	14	10 ✓
6N 10+50 W	201	27	1	53	0.1 ✓	10	<10
6N 11+00 W	201	17	1	32	0.1 ✓	7	<10
6N 11+50 W	201	25	1	44	0.1 ✓	11	<10
6N 12+00 W	201	19	1	45	0.1 ✓	10	<10
6N 12+50 W	201	32	1	42	0.1 ✓	14	<10
6N 13+00 W	201	18	1	38	0.2 ✓	11	10 ✓
6N 13+50 W	201	17	1	45	0.1 ✓	9	<10
6N 14+00 W	201	20	1	35	0.1 ✓	10	<10
6N 14+50 W	201	89	1	45	0.1 ✓	10	<10
6N 15+00 W	201	46	1	53	0.1 ✓	6	<10
6N 15+50 W	201	15	1	35	0.1 ✓	10	10 ✓
6N 16+00 W	201	37	1	18	0.1 ✓	5	<10
6N 16+50 W	201	19	2	37	0.1 ✓	11	<10
6N 17+00 W	201	15	3	23	0.1 ✓	9	<10
6N 17+50 W	201	19	1	31	0.1 ✓	10	<10
6N 18+00 W	201	21	2	35	0.1 ✓	11	<10
6N 18+50 W	201	15	2	21	0.1 ✓	9	<10
6N 19+00 W	201	16	1	36	0.1 ✓	9	<10
6N 19+50 W	201	24	2	43	0.1 ✓	16	<10
6N 20+00 W	201	25	1	46	0.1 ✓	20	<10
6N 20+50 W	201	29	1	34	0.1 ✓	15	<10
6N 21+00 W	201	31	4	47	0.1 ✓	14	<10
6N 21+50 W	201	26	1	30	0.3 ✓	11	10 ✓
6N 22+00 W	201	26	2	50	0.1 ✓	11	<10
6N 22+50 W	201	39	3	45	0.1 ✓	12	30 ✓
6N 23+00 W	201	27	2	42	0.1 ✓	9	<10
6N 23+50 W	201	44	1	65	0.3 ✓	12	<10
6N 24+00 W	201	32	1	54	0.1 ✓	5	<10
8N 00+50 E	201	60	1	128	0.2 ✓	--	<10
8N 01+00 E	201	41	1	100	0.3 ✓	--	<10
8N 01+50 E	201	48	2	124	0.1 ✓	--	<10
8N 02+00 E	201	24	1	35	0.1 ✓	--	<10
8N 02+50 E	201	29	1	43	0.1 ✓	--	10 ✓
8N 03+00 E	201	15	1	16	0.1 ✓	--	<10

*Hart Bichler*

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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

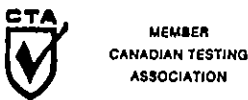
## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

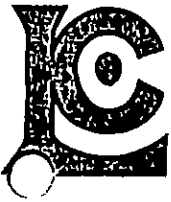
CERT. # : A8114134-004-3  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
6N 07+50 W	201	50	--	--	--	--	--	--
6N 08+00 W	201	50	--	--	--	--	--	--
6N 08+50 W	201	10	--	--	--	--	--	--
6N 09+00 W	201	40	--	--	--	--	--	--
6N 09+50 W	201	30	--	--	--	--	--	--
6N 10+00 W	201	40	--	--	--	--	--	--
6N 10+50 W	201	40	--	--	--	--	--	--
6N 11+00 W	201	20	--	--	--	--	--	--
6N 11+50 W	201	30	--	--	--	--	--	--
6N 12+00 W	201	20	--	--	--	--	--	--
6N 12+50 W	201	30	--	--	--	--	--	--
6N 13+00 W	201	30	--	--	--	--	--	--
6N 13+50 W	201	30	--	--	--	--	--	--
6N 14+00 W	201	40	--	--	--	--	--	--
6N 14+50 W	201	80	--	--	--	--	--	--
6N 15+00 W	201	30	--	--	--	--	--	--
6N 15+50 W	201	30	--	--	--	--	--	--
6N 16+00 W	201	70	--	--	--	--	--	--
6N 16+50 W	201	40	--	--	--	--	--	--
6N 17+00 W	201	30	--	--	--	--	--	--
6N 17+50 W	201	50	--	--	--	--	--	--
6N 18+00 W	201	50	--	--	--	--	--	--
6N 18+50 W	201	50	--	--	--	--	--	--
6N 19+00 W	201	10	--	--	--	--	--	--
6N 19+50 W	201	20	--	--	--	--	--	--
6N 20+00 W	201	40	--	--	--	--	--	--
6N 20+50 W	201	30	--	--	--	--	--	--
6N 21+00 W	201	20	--	--	--	--	--	--
6N 21+50 W	201	40	--	--	--	--	--	--
6N 22+00 W	201	30	--	--	--	--	--	--
6N 22+50 W	201	60	--	--	--	--	--	--
6N 23+00 W	201	10	--	--	--	--	--	--
6N 23+50 W	201	30	--	--	--	--	--	--
6N 24+00 W	201	30	--	--	--	--	--	--
8N 00+50 E	201	--	--	--	--	--	--	--
8N 01+00 E	201	--	--	--	--	--	--	--
8N 01+50 E	201	--	--	--	--	--	--	--
8N 02+00 E	201	--	--	--	--	--	--	--
8N 02+50 E	201	--	--	--	--	--	--	--
8N 03+00 E	201	--	--	--	--	--	--	--



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-005-A  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-8C REC3N

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
8N 03+50 E	201	54	1	105	0.5	--	<10
8N 04+00 E	201	38	1	102	0.1	--	<10
8N 04+50 E	201	41	1	51	0.1	--	<10
8N 05+00 E	201	45	1	120	0.1	--	<10
8N 05+50 E	201	46	3	34	0.3	--	10
8N 06+00 E	201	49	1	96	0.6	--	<10
8N 06+50 E	201	35	1	56	0.1	--	<10
8N 07+00 E	201	34	1	88	0.4	--	10
8N 07+50 E	201	26	1	48	0.1	--	<10
8N 08+00 E	201	34	1	43	0.1	--	<10
8N 08+50 E	201	32	1	53	0.1	--	<10
8N 09+00 E	201	30	1	60	0.1	--	<10
3N 09+50 E	201	29	1	175	0.3	--	10
8N 10+00 E	201	23	1	95	0.5	--	<10
8N 00+50 W	201	29	1	93	0.1	--	<10
8N 01+00 W	203	75	1	40	0.1	--	<10
8N 01+50 W	201	75	1	110	0.1	--	<10
8N 02+00 W	201	35	1	82	0.1	--	<10
8N 02+50 W	201	42	1	84	0.3	--	<10
8N 03+00 W	201	34	1	85	0.1	--	<10
8N 03+50 W	201	37	1	71	0.1	--	<10
8N 04+00 W	201	36	1	65	0.1	--	<10
8N 04+50 W	201	42	1	75	0.1	--	<10
8N 05+00 W	201	36	2	71	0.1	--	<10
8N 05+50 W	201	67	3	60	0.1	--	40
8N 06+00 W	201	61	1	75	0.1	--	<10
8N 06+50 W	201	98	5	80	0.2	--	<10
8N 07+00 W	201	110	3	137	0.4	--	<10
8N 07+50 W	201	27	1	78	0.2	--	<10
8N 08+00 W	201	82	2	75	0.5	--	<10
8N 08+50 W	201	60	1	20	0.2	--	<10
8N 09+00 W	201	13	2	43	0.2	--	<10
8N 09+50 W	201	136	1	25	1.7	--	<10
8N 10+00 W	201	14	1	66	0.2	--	<10
8N 10+50 W	201	23	2	55	0.3	--	<10
8N 11+00 W	201	20	1	60	0.1	--	<10
8N 11+50 W	201	42	1	67	0.2	--	<10
8N 12+00 W	201	33	1	76	0.1	--	<10
8N 12+50 W	201	14	1	44	0.3	--	<10
8N 13+00 W	201	29	2	45	0.2	--	<10

Certified by *Hart Buchler*



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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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-006-A  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-3C RECON

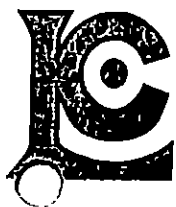
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
8N 13+50 W	201	32	1	43	0.3'	--	<10
8N 14+00 W	201	33	1	37	0.2'	--	<10
8N 14+50 W	203	14	1	28	0.2'	--	<10
8N 15+00 W	201	8	1	30	0.1'	--	<10
9N 15+50 W	201	19	1	42	0.2'	--	<10
8N 16+00 W	201	10	1	34	0.1'	--	<10
8N 16+50 W	201	14	1	35	0.1'	--	<10
3N 17+00 W	201	10	1	29	0.2'	--	<10
8N 17+50 W	201	13	1	41	0.2'	--	<10
8N 18+00 W	201	15	1	32	0.1'	--	<10
8N 18+50 W	201	21	1	43	0.2'	--	<10
8N 19+00 W	201	23	2	40	0.1'	--	<10
8N 19+50 W	201	72	3	77	0.1'	--	<10
3N 20+00 W	201	18	1	70	0.2'	--	N.S.S.
3N 20+50 W	201	12	1	28	0.3'	--	<10
8N 21+00 W	201	20	1	32	0.1'	--	<10
8N 21+50 W	201	12	1	21	0.2'	--	<10
8N 22+00 W	201	20	1	42	0.2'	--	<10
8N 22+50 W	201	30	1	39	0.1'	--	20
8N 23+00 W	201	24	1	53	0.2'	--	<10
8N 23+50 W	201	18	1	43	0.2'	--	<10
8N 24+00 W	201	14	2	31	0.1'	--	<10
10N 00+50 E	201	62	2	200	0.8'	17	<10
10N 01+00 E	201	36	1	103	0.3'	10	<10
10N 01+50 E	203	32	1	100	0.1'	10	<10
10N 02+00 E	203	38	1	104	0.1'	11	<10
10N 02+50 E	203	44	1	162	0.2'	12	<10
10N 03+00 E	203	24	4	37	0.3'	7	N.S.S.
10N 03+50 E	201	45	2	185	0.1'	25	<10
10N 04+00 E	201	46	1	135	0.1'	16	<10
10N 04+50 E	201	39	1	155	0.1'	11	<10
10N 05+00 E	201	48	1	172	0.1'	15	<10
10N 05+50 E	201	21	1	168	0.1'	11	<10
10N 06+00 E	201	43	1	127	0.1'	10	<10
10N 07+00 E	201	48	1	178	0.4'	10	20
10N 07+50 E	201	43	1	69	0.3'	7	<10
10N 08+00 E	201	54	1	78	0.3'	7	<10
10N 08+50 E	201	43	1	130	0.1'	10	<10
10N 09+00 E	201	86	1	230	0.4'	15	<10
10N 06+50E	0	45	1	135	0.2'	11	<10

Certified by *Henry R. ...*



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# CHEMEX LABS LTD.

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NORTH VANCOUVER B C  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE (604)984-0221  
TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TJ : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114134-006-3  
INVOICE # : I8114134  
DATE : 23-OCT-81  
P.O. # : NONE  
NE-3C RECJN

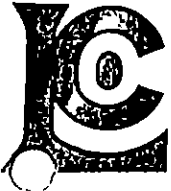
ATTN: P. BURT

Sample description	Prep code	Hg ppb						
8N 13+50 W	201	--	--	--	--	--	--	--
8N 14+00 W	201	--	--	--	--	--	--	--
8N 14+50 W	203	--	--	--	--	--	--	--
8N 15+00 W	201	--	--	--	--	--	--	--
3N 15+50 W	201	--	--	--	--	--	--	--
8N 16+00 W	201	--	--	--	--	--	--	--
8N 16+50 W	201	--	--	--	--	--	--	--
8N 17+00 W	201	--	--	--	--	--	--	--
8N 17+50 W	201	--	--	--	--	--	--	--
8N 18+00 W	201	--	--	--	--	--	--	--
8N 18+50 W	201	--	--	--	--	--	--	--
8N 19+00 W	201	--	--	--	--	--	--	--
8N 19+50 W	201	--	--	--	--	--	--	--
8N 20+00 W	201	--	--	--	--	--	--	--
8N 20+50 W	201	--	--	--	--	--	--	--
3N 21+00 W	201	--	--	--	--	--	--	--
8N 21+50 W	201	--	--	--	--	--	--	--
8N 22+00 W	201	--	--	--	--	--	--	--
8N 22+50 W	201	--	--	--	--	--	--	--
8N 23+00 W	201	--	--	--	--	--	--	--
8N 23+50 W	201	--	--	--	--	--	--	--
8N 24+00 W	201	--	--	--	--	--	--	--
10N 00+50 E	201	60	--	--	--	--	--	--
10N 01+00 E	201	20	--	--	--	--	--	--
10N 01+50 E	203	20	--	--	--	--	--	--
10N 02+00 E	203	30	--	--	--	--	--	--
10N 02+50 E	203	50	--	--	--	--	--	--
10N 03+00 E	203	80	--	--	--	--	--	--
10N 03+50 E	201	20	--	--	--	--	--	--
10N 04+00 E	201	10	--	--	--	--	--	--
10N 04+50 E	201	20	--	--	--	--	--	--
10N 05+00 E	201	10	--	--	--	--	--	--
10N 05+50 E	201	20	--	--	--	--	--	--
10N 06+00 E	201	20	--	--	--	--	--	--
10N 07+00 E	201	30	--	--	--	--	--	--
10N 07+50 E	201	50	--	--	--	--	--	--
10N 08+00 E	201	100	--	--	--	--	--	--
10N 08+50 E	201	60	--	--	--	--	--	--
10N 09+00 E	201	60	--	--	--	--	--	--
10N 06+50C	0	50	--	--	--	--	--	--

Certified by *Hart Bichler*



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1  
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TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114136-001-A  
INVOICE # : I8114136  
DATE : 20-OCT-81  
P.O. # : NONE

~~NE-DE-RECON~~

WHD B

ATTN: P. BURT

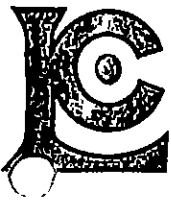
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
20N 08+00 W	201	46	1	108	0.2	29	<10
20N 08+50 W	201	54	1	44	0.3	120	<10
20N 09+50 W	201	30	1	112	0.2	14	<10
20N 10+00 W	201	48	1	78	0.4	33	<10
20N 11+00 W	201	38	1	145	0.1	12	<10
20N 11+50 W	201	62	1	78	0.1	22	<10
20N 12+00 W	201	37	1	114	0.1	10	<10
20N 12+50 W	201	39	1	78	0.3	14	<10
20N 13+00 W	201	37	1	106	0.1	15	<10
20N 13+50 W	201	44	1	52	0.1	24	<10
20N 14+50 W	201	33	1	120	0.1	10	<10
20N 15+00 W	201	30	1	100	0.1	11	<10
20N 15+50 W	201	34	1	95	0.1	14	<10
20N 16+00 W	201	57	2	54	0.5	140	20
20N 16+50 W	201	61	1	68	0.2	36	10
20N 17+00 W	201	60	1	62	0.2	36	20
20N 17+50 W	201	49	1	85	0.2	9	<10
20N 18+00 W	201	46	1	63	0.3	19	10
20N 18+50 W	201	63	1	73	0.1	17	10
20N 19+00 W	201	56	1	72	0.1	7	10
20N 19+50 W	201	110	1	102	0.1	10	<10
20N 20+00 W	201	101	1	175	0.3	9	<10
20N 20+50 W	201	50	1	250	0.1	9	<10
20N 22+00 W	201	37	1	105	0.1	12	<10
LOOS 00+50 E	201	33	1	52	0.4	9	<10
LOOS 01+00 E	201	43	1	65	0.1	10	<10
LOOS 01+50 E	201	28	1	58	0.2	5	<10
LOOS 02+00 E	201	35	1	46	0.6	10	<10
LOOS 02+50 E	201	300	1	25	4.9	12	<10
LOOS 03+00 E	201	38	1	54	0.4	11	<10
LOOS 03+50 E	201	74	6	54	0.9	14	<10
LOOS 04+00 E	201	76	1	70	0.4	25	<10
ON/OS 04+50 E	201	77	1	103	0.4	14	<10
ON/OS 05+00 E	201	189	1	255	6.9	110	20
ON/OS 05+50 E	201	48	1	72	0.3	11	<10
ON/OS 06+00 E	201	55	1	68	0.5	15	<10
ON/OS 06+50 E	201	55	1	145	0.1	14	10
ON/OS 07+00 E	201	53	1	90	0.2	9	<10
ON/OS 07+50 E	201	79	1	52	0.6	9	<10
ON/OS 08+00 E	201	38	1	82	0.2	7	<10

*Hart Buchler*

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212 BROOKSBANK AVE  
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 CANADA V7J 2C1  
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 TELEX 043-52597

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

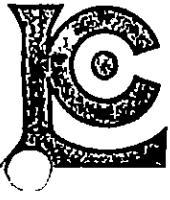
CERT. # : A8114136-001-B  
 INVOICE # : I8114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb				
20N 08+00 W	201	60	--	--	--	--
20N 08+50 W	201	180	--	--	--	--
20N 09+50 W	201	80	--	--	--	--
20N 10+00 W	201	100	--	--	--	--
20N 11+00 W	201	50	--	--	--	--
20N 11+50 W	201	30	--	--	--	--
20N 12+00 W	201	40	--	--	--	--
20N 12+50 W	201	100	--	--	--	--
20N 13+00 W	201	30	--	--	--	--
20N 13+50 W	201	70	--	--	--	--
20N 14+50 W	201	40	--	--	--	--
20N 15+00 W	201	30	--	--	--	--
20N 15+50 W	201	20	--	--	--	--
20N 16+00 W	201	400	--	--	--	--
20N 16+50 W	201	100	--	--	--	--
20N 17+00 W	201	50	--	--	--	--
20N 17+50 W	201	30	--	--	--	--
20N 18+00 W	201	40	--	--	--	--
20N 18+50 W	201	30	--	--	--	--
20N 19+00 W	201	20	--	--	--	--
20N 19+50 W	201	10	--	--	--	--
20N 20+00 W	201	20	--	--	--	--
20N 20+50 W	201	30	--	--	--	--
20N 22+00 W	201	40	--	--	--	--
L00S 00+50 E	201	40	--	--	--	--
L00S 01+00 E	201	50	--	--	--	--
L00S 01+50 E	201	30	--	--	--	--
L00S 02+00 E	201	40	--	--	--	--
L00S 02+50 E	201	70	--	--	--	--
L00S 03+00 E	201	40	--	--	--	--
L00S 03+50 E	201	50	--	--	--	--
L00S 04+00 E	201	40	--	--	--	--
0N/0S 04+50 E	201	40	--	--	--	--
0N/0S 05+00 E	201	570	--	--	--	--
0N/0S 05+50 E	201	60	--	--	--	--
0N/0S 06+00 E	201	50	--	--	--	--
0N/0S 06+50 E	201	50	--	--	--	--
0N/0S 07+00 E	201	30	--	--	--	--
0N/0S 07+50 E	201	60	--	--	--	--
0N/0S 08+00 E	201	20	--	--	--	--

Certified by *Hart Buchler*





# CHEMEX LABS LTD.

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CANADA V7J 2C1

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TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114136-002-A  
INVOICE # : 18114136  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

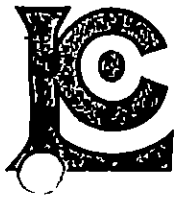
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppm
ON/OS 08+50 E	201	63	1	83	0.5	10	<10
ON/OS 09+00 E	201	57	1	92	0.3	10	<10
ON/OS 09+50 E	201	88	1	102	0.4	16	20
ON/OS 10+00 E	201	45	1	88	0.2	9	<10
NOOS 10+50 W	201	29	1	55	0.2	9	<10
NOOS 11+00 W	201	33	1	50	0.1	9	<10
NOOS 11+50 W	201	9	1	32	0.1	4	10
NOOS 12+00 W	201	24	1	50	0.1	9	<10
NOOS 12+50 W	201	31	1	43	0.1	9	<10
2S 00+50 E	201	30	1	72	0.2	7	20
2S 01+00 E	201	27	1	48	0.4	7	<10
2S 01+50 E	201	121	1	43	105.0	7	<10
2S 02+00 E	201	36	1	52	0.2	11	<10
2S 02+50 E	201	205	1	27	0.1	5	<10
2S 03+00 E	201	27	1	45	0.4	7	<10
2S 03+50 E	201	39	1	50	0.7	5	<10
2S 04+00 E	201	21	1	41	0.4	9	<10
2S 04+50 E	201	58	1	45	1.1	1	<10
2S 05+00 E	201	87	1	35	0.5	15	<10
2S 05+50 E	201	84	1	78	0.5	15	<10
2S 06+00 E	201	54	1	68	0.4	14	20
2S 06+50 E	201	63	1	60	0.4	12	<10
2S 07+00 E	201	38	1	56	0.2	7	<10
2S 07+50 E	201	36	1	78	0.4	10	<10
2S 08+00 E	201	54	1	54	0.5	10	<10
2S 08+50 E	201	37	1	53	0.4	7	<10
2S 09+00 E	201	31	1	90	0.2	6	<10
2S 09+50 E	203	80	5	8	0.6	12	<10
2S 10+00 E	201	36	1	12	0.1	--	<10
2S 10+50 W	201	27	1	57	0.1	--	<10
2S 11+00 W	201	24	1	38	0.3	--	<10
2S 11+50 W	201	28	1	50	0.1	--	<10
2S 12+00 W	201	21	1	36	0.1	--	<10
2S 12+50 W	201	21	1	37	0.1	--	<10
2S 13+00 W	201	66	1	43	0.2	--	<10
2S 13+50 W	201	28	1	33	0.1	--	<10
2S 14+00 W	201	18	1	20	0.2	--	<10
2S 14+50 W	201	17	1	18	0.1	--	<10
2S 15+00 W	201	20	1	16	0.2	--	<10
2S 15+50 W	201	26	1	30	0.1	--	<10

*Hart Buchler*

Certified by .....



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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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114136-002-B  
 INVOICE # : I8114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb				
ON/OS 08+50 E	201	50	--	--	--	--
ON/OS 09+00 E	201	30	--	--	--	--
ON/OS 09+50 E	201	60	--	--	--	--
ON/OS 10+00 E	201	30	--	--	--	--
N00S 10+50 W	201	20	--	--	--	--
N00S 11+00 W	201	20	--	--	--	--
N00S 11+50 W	201	20	--	--	--	--
N00S 12+00 W	201	20	--	--	--	--
N00S 12+50 W	201	30	--	--	--	--
2S 00+50 E	201	30	--	--	--	--
2S 01+00 E	201	40	--	--	--	--
2S 01+50 E	201	50	--	--	--	--
2S 02+00 E	201	30	--	--	--	--
2S 02+50 E	201	10	--	--	--	--
2S 03+00 E	201	40	--	--	--	--
2S 03+50 E	201	40	--	--	--	--
2S 04+00 E	201	40	--	--	--	--
2S 04+50 E	201	40	--	--	--	--
2S 05+00 E	201	100	--	--	--	--
2S 05+50 E	201	50	--	--	--	--
2S 06+00 E	201	30	--	--	--	--
2S 06+50 E	201	30	--	--	--	--
2S 07+00 E	201	20	--	--	--	--
2S 07+50 E	201	30	--	--	--	--
2S 08+00 E	201	40	--	--	--	--
2S 08+50 E	201	20	--	--	--	--
2S 09+00 E	201	20	--	--	--	--
2S 09+50 E	203	N.S.S.	--	--	--	--
2S 10+00 E	201	--	--	--	--	--
2S 10+50 W	201	--	--	--	--	--
2S 11+00 W	201	--	--	--	--	--
2S 11+50 W	201	--	--	--	--	--
2S 12+00 W	201	--	--	--	--	--
2S 12+50 W	201	--	--	--	--	--
2S 13+00 W	201	--	--	--	--	--
2S 13+50 W	201	--	--	--	--	--
2S 14+00 W	201	--	--	--	--	--
2S 14+50 W	201	--	--	--	--	--
2S 15+00 W	201	--	--	--	--	--
2S 15+50 W	201	--	--	--	--	--

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

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114136-003-A  
 INVOICE # : I8114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

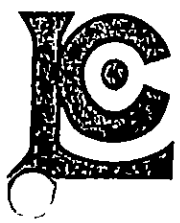
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
2S 16+00 W	201	10	1	18	0.1	--	<10
2S 16+50 W	201	12	1	19	0.3	--	<10
2S 17+00 W	201	36	5	51	0.1	--	<10
2S 17+50 W	201	22	2	40	0.1	--	<10
2S 18+00 W	201	17	4	36	0.1	--	<10
2S 18+50 W	201	29	3	35	0.3	--	<10
2S 19+00 W	201	22	1	40	0.1	--	<10
2S 19+50 W	201	21	2	42	0.1	--	<10
2S 20+00 W	201	63	6	55	0.1	--	20
4S 00+50 E	201	42	4	55	0.3	7	<10
4S 01+00 E	201	44	5	60	0.2	9	20
4S 01+50 E	201	18	3	46	0.1	9	10
4S 02+00 E	201	335	2	62	1.0	7	<10
4S 02+50 E	201	65	3	63	0.5	7	<10
4S 03+00 E	201	75	1	57	0.5	12	<10
4S 03+50 E	201	30	1	45	0.1	7	<10
4S 04+00 E	201	19	2	40	0.1	7	<10
4S 04+50 E	201	26	2	43	0.2	6	<10
4S 05+00 E	201	30	2	43	0.3	9	<10
4S 05+50 E	201	34	1	52	0.4	11	<10
4S 06+00 E	201	32	1	70	0.1	7	<10
4S 06+50 E	201	21	2	52	0.2	9	<10
4S 07+00 E	201	27	1	41	1.1	11	<10
4S 07+50 E	201	20	3	42	0.6	5	<10
4S 08+00 E	201	300	1	134	2.2	29	<10
4S 08+50 E	201	62	1	70	0.7	9	60
4S 09+00 E	201	43	1	75	0.4	10	<10
4S 09+50 E	201	46	1	21	0.3	14	20
4S 10+00 E	201	35	8	20	0.1	10	10
4S 10+50 W	201	13	1	11	0.1	--	<10
4S 11+00 W	201	22	1	27	0.2	--	<10
4S 11+50 W	201	25	1	40	0.1	--	<10
4S 12+00 W	201	22	1	39	0.1	--	<10
4S 12+50 W	203	7	1	8	0.1	--	<10
4S 13+00 W	201	63	1	10	0.2	--	<10
4S 13+50 W	201	17	1	16	0.1	--	<10
4S 14+00 W	201	20	1	40	0.1	--	<10
4S 14+50 W	201	83	1	35	0.3	--	<10
4S 15+00 W	201	43	1	50	0.1	--	<10
4S 15+50 W	201	13	1	23	0.1	--	<10

*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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114136-003-B  
INVOICE # : I8114136  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

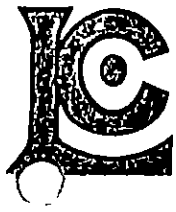
ATTN: P. BURT

Sample description	Prep code	Hg ppb						
2S 16+00 W	201	--	--	--	--	--	--	--
2S 16+50 W	201	--	--	--	--	--	--	--
2S 17+00 W	201	--	--	--	--	--	--	--
2S 17+50 W	201	--	--	--	--	--	--	--
2S 18+00 W	201	--	--	--	--	--	--	--
2S 18+50 W	201	--	--	--	--	--	--	--
2S 19+00 W	201	--	--	--	--	--	--	--
2S 19+50 W	201	--	--	--	--	--	--	--
2S 20+00 W	201	--	--	--	--	--	--	--
4S 00+50 E	201	50	--	--	--	--	--	--
4S 01+00 E	201	50	--	--	--	--	--	--
4S 01+50 E	201	50	--	--	--	--	--	--
4S 02+00 E	201	60	--	--	--	--	--	--
4S 02+50 E	201	50	--	--	--	--	--	--
4S 03+00 E	201	70	--	--	--	--	--	--
4S 03+50 E	201	50	--	--	--	--	--	--
4S 04+00 E	201	60	--	--	--	--	--	--
4S 04+50 E	201	50	--	--	--	--	--	--
4S 05+00 E	201	80	--	--	--	--	--	--
4S 05+50 E	201	60	--	--	--	--	--	--
4S 06+00 E	201	50	--	--	--	--	--	--
4S 06+50 E	201	30	--	--	--	--	--	--
4S 07+00 E	201	30	--	--	--	--	--	--
4S 07+50 E	201	30	--	--	--	--	--	--
4S 08+00 E	201	80	--	--	--	--	--	--
4S 08+50 E	201	50	--	--	--	--	--	--
4S 09+00 E	201	30	--	--	--	--	--	--
4S 09+50 E	201	70	--	--	--	--	--	--
4S 10+00 E	201	60	--	--	--	--	--	--
4S 10+50 W	201	--	--	--	--	--	--	--
4S 11+00 W	201	--	--	--	--	--	--	--
4S 11+50 W	201	--	--	--	--	--	--	--
4S 12+00 W	201	--	--	--	--	--	--	--
4S 12+50 W	203	--	--	--	--	--	--	--
4S 13+00 W	201	--	--	--	--	--	--	--
4S 13+50 W	201	--	--	--	--	--	--	--
4S 14+00 W	201	--	--	--	--	--	--	--
4S 14+50 W	201	--	--	--	--	--	--	--
4S 15+00 W	201	--	--	--	--	--	--	--
4S 15+50 W	201	--	--	--	--	--	--	--

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

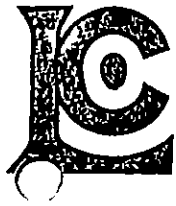
CERT. # : A8114136-004-A  
 INVOICE # : 18114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
4S 16+00 W	201	11	1	24	0.2	--	<10
4S 16+50 W	203	30	1	16	0.1	--	N.S.S.
4S 17+00 W	201	11	1	10	0.1	--	<10
4S 17+50 W	201	17	1	38	0.1	--	<10
4S 18+00 W	201	42	1	30	0.1	--	<10
4S 18+50 W	201	32	1	50	0.1	--	<10
4S 19+00 W	201	19	4	32	0.1	--	<10
4S 19+50 W	201	23	1	30	0.1	--	<10
4S 20+00 W	201	27	1	63	0.1	--	<10
6S 00+50 E	201	44	2	57	0.2	7	<10
6S 01+00 E	201	41	1	53	0.4	6	<10
6S 01+50 E	201	40	1	44	0.3	9	<10
6S 02+00 E	201	39	1	35	0.4	5	<10
6S 02+50 E	201	37	1	48	0.2	6	<10
6S 03+00 E	201	39	1	60	0.2	5	<10
6S 03+50 E	201	31	1	54	0.1	5	<10
6S 04+00 E	201	29	1	36	0.5	7	<10
6S 04+50 E	201	23	1	41	0.1	6	<10
6S 05+00 E	201	37	1	63	0.4	9	<10
6S 05+50 E	201	18	1	42	0.3	6	<10
6S 06+00 E	201	475	1	46	0.2	9	<10
6S 06+50 E	203	340	1	17	0.4	3	<10
6S 07+00 E	201	56	1	56	0.1	7	<10
6S 07+50 E	201	42	1	68	0.1	7	<10
6S 08+00 E	201	40	1	56	0.1	6	<10
6S 08+50 E	201	36	1	52	0.1	6	20
6S 09+00 E	201	34	1	56	0.4	6	<10
6S 09+50 E	201	215	4	105	1.3	19	20
6S 10+00 E	201	68	1	105	0.1	9	10
6S 00+50 W	201	25	1	30	0.1	4	<10
6S 01+00 W	201	39	3	40	0.1	5	20
6S 01+50 W	201	69	5	45	0.1	9	10
6S 10+50 W	203	21	1	26	0.1	4	<10
6S 11+00 W	203	15	1	20	0.1	4	<10
6S 11+50 W	201	11	2	21	0.1	4	<10
6S 12+00 W	201	12	2	27	0.1	4	<10
6S 12+50 W	201	28	4	37	0.1	5	<10
6S 13+00 W	201	48	1	39	0.1	9	<10
6S 13+50 W	201	13	1	38	0.1	5	<10
6S 14+00 W	201	19	1	38	0.1	7	<10

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

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

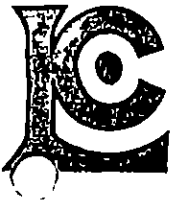
CERT. # : A8114136-004-B  
 INVOICE # : I8114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb					
4S 16+00 W	201	--	--	--	--	--	--
4S 16+50 W	203	--	--	--	--	--	--
4S 17+00 W	201	--	--	--	--	--	--
4S 17+50 W	201	--	--	--	--	--	--
4S 18+00 W	201	--	--	--	--	--	--
4S 18+50 W	201	--	--	--	--	--	--
4S 19+00 W	201	--	--	--	--	--	--
4S 19+50 W	201	--	--	--	--	--	--
4S 20+00 W	201	--	--	--	--	--	--
6S 00+50 E	201	50	--	--	--	--	--
6S 01+00 E	201	40	--	--	--	--	--
6S 01+50 E	201	40	--	--	--	--	--
6S 02+00 E	201	40	--	--	--	--	--
6S 02+50 E	201	40	--	--	--	--	--
6S 03+00 E	201	40	--	--	--	--	--
6S 03+50 E	201	30	--	--	--	--	--
6S 04+00 E	201	30	--	--	--	--	--
6S 04+50 E	201	40	--	--	--	--	--
6S 05+00 E	201	60	--	--	--	--	--
6S 05+50 E	201	40	--	--	--	--	--
6S 06+00 E	201	60	--	--	--	--	--
6S 06+50 E	203	N.S.S.	--	--	--	--	--
6S 07+00 E	201	50	--	--	--	--	--
6S 07+50 E	201	30	--	--	--	--	--
6S 08+00 E	201	30	--	--	--	--	--
6S 08+50 E	201	40	--	--	--	--	--
6S 09+00 E	201	60	--	--	--	--	--
6S 09+50 E	201	370	--	--	--	--	--
6S 10+00 E	201	70	--	--	--	--	--
6S 00+50 W	201	30	--	--	--	--	--
6S 01+00 W	201	40	--	--	--	--	--
6S 01+50 W	201	80	--	--	--	--	--
6S 10+50 W	203	N.S.S.	--	--	--	--	--
6S 11+00 W	203	60	--	--	--	--	--
6S 11+50 W	201	30	--	--	--	--	--
6S 12+00 W	201	20	--	--	--	--	--
6S 12+50 W	201	30	--	--	--	--	--
6S 13+00 W	201	40	--	--	--	--	--
6S 13+50 W	201	30	--	--	--	--	--
6S 14+00 W	201	30	--	--	--	--	--

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

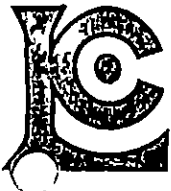
CERT. # : A8114136-005-A  
 INVOICE # : I8114136  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
6S 14+50 W	201	26	2	82	0.1	12	<10
6S 15+00 W	201	26	4	48	0.1	10	<10
6S 15+50 W	201	12	1	130	0.1	7	<10
6S 16+00 W	201	12	1	26	0.1	6	<10
6S 16+50 W	201	13	1	28	0.1	7	<10
6S 17+00 W	201	30	1	24	0.1	9	<10
6S 17+50 W	203	4	1	5	0.1	3	<10
6S 18+00 W	201	13	4	23	0.1	6	<10
6S 18+50 W	201	35	1	36	0.1	9	<10
6S 19+00 W	201	33	1	50	0.1	7	<10
6S 19+50 W	201	18	3	29	0.1	6	<10
6S 20+00 W	201	96	18	60	0.1	7	20
8S 00+50 E	201	144	2	46	0.1	--	<10
8S 01+00 E	201	67	1	47	0.4	--	<10
8S 01+50 E	201	40	4	55	0.1	--	<10
8S 00+50 W	201	52	5	75	0.3	--	<10
8S 01+00 W	201	46	3	40	0.7	--	<10
8S 01+50 W	201	30	4	35	0.2	--	<10
8S 02+00 W	201	48	3	55	0.1	--	<10
8S 02+50 W	201	35	7	60	0.1	--	<10
8S 03+00 W	201	76	2	53	0.4	--	<10
8S 03+50 W	201	52	4	65	0.2	--	<10
8S 04+00 W	201	47	2	56	10.1	--	<10
8S 04+50 W	201	50	4	52	0.3	--	<10
8S 05+00 W	201	60	5	42	0.2	--	<10
8S 05+50 W	201	42	3	56	0.2	--	<10
8S 06+00 W	201	40	1	42	0.1	--	<10
8S 06+50 W	201	75	8	40	0.2	--	<10
8S 07+00 W	201	41	6	60	0.1	--	<10
8S 07+50 W	201	156	5	65	0.4	--	<10
8S 08+00 W	201	88	5	50	0.2	--	<10
8S 08+50 W	201	33	4	28	0.6	--	<10
8S 09+00 W	201	27	2	21	0.2	--	<10
8S 09+50 W	201	50	1	28	0.1	--	<10
8S 10+00 W	201	56	2	36	0.1	--	<10
8S 10+50 W	201	28	1	39	0.2	--	<10
8S 11+00 W	201	33	7	44	0.1	--	<10
8S 11+50 W	201	26	4	46	0.1	--	<10
8S 12+00 W	201	25	3	37	0.1	--	<10
8S 12+50 W	201	31	5	34	0.1	--	<10

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114136-005-8  
INVOICE # : I8114136  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
6S 14+50 W	201	20	--	--	--	--	--	--
6S 15+00 W	201	20	--	--	--	--	--	--
6S 15+50 W	201	20	--	--	--	--	--	--
6S 16+00 W	201	30	--	--	--	--	--	--
6S 16+50 W	201	30	--	--	--	--	--	--
6S 17+00 W	201	40	--	--	--	--	--	--
6S 17+50 W	203	60	--	--	--	--	--	--
6S 18+00 W	201	40	--	--	--	--	--	--
6S 18+50 W	201	30	--	--	--	--	--	--
6S 19+00 W	201	30	--	--	--	--	--	--
6S 19+50 W	201	70	--	--	--	--	--	--
6S 20+00 W	201	40	--	--	--	--	--	--
8S 00+50 E	201	--	--	--	--	--	--	--
8S 01+00 E	201	--	--	--	--	--	--	--
8S 01+50 E	201	--	--	--	--	--	--	--
8S 00+50 W	201	--	--	--	--	--	--	--
8S 01+00 W	201	--	--	--	--	--	--	--
8S 01+50 W	201	--	--	--	--	--	--	--
8S 02+00 W	201	--	--	--	--	--	--	--
8S 02+50 W	201	--	--	--	--	--	--	--
8S 03+00 W	201	--	--	--	--	--	--	--
8S 03+50 W	201	--	--	--	--	--	--	--
8S 04+00 W	201	--	--	--	--	--	--	--
8S 04+50 W	201	--	--	--	--	--	--	--
8S 05+00 W	201	--	--	--	--	--	--	--
8S 05+50 W	201	--	--	--	--	--	--	--
8S 06+00 W	201	--	--	--	--	--	--	--
8S 06+50 W	201	--	--	--	--	--	--	--
8S 07+00 W	201	--	--	--	--	--	--	--
8S 07+50 W	201	--	--	--	--	--	--	--
8S 08+00 W	201	--	--	--	--	--	--	--
8S 08+50 W	201	--	--	--	--	--	--	--
8S 09+00 W	201	--	--	--	--	--	--	--
8S 09+50 W	201	--	--	--	--	--	--	--
8S 10+00 W	201	--	--	--	--	--	--	--
8S 10+50 W	201	--	--	--	--	--	--	--
8S 11+00 W	201	--	--	--	--	--	--	--
8S 11+50 W	201	--	--	--	--	--	--	--
8S 12+00 W	201	--	--	--	--	--	--	--
8S 12+50 W	201	--	--	--	--	--	--	--

Certified by *Haut 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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114136-006-A  
INVOICE # : I8114136  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
8S 13+00 W	201	28	2	38	0.1	--	<10
8S 13+50 W	201	71	1	52	3.3	--	10
8S 14+00 W	201	230	1	19	0.1	--	<10
8S 14+50 W	201	117	3	37	0.3	--	<10
8S 15+00 W	201	173	3	30	0.1	--	<10
8S 15+50 W	201	87	2	55	0.2	--	10
8S 16+00 W	201	13	1	18	0.1	--	<10
8S 16+50 W	201	58	4	62	0.2	--	60
10S 10+50 W	201	68	3	36	0.1	7	10
10S 11+00 W	201	37	4	41	0.1	6	10
10S 11+50 W	201	15	1	21	0.1	4	<10
10S 12+00 W	201	8	1	7	0.2	3	<10
10S 12+50 W	201	198	2	14	0.1	3	<10
10S 13+00 W	201	163	1	26	0.1	3	<10
10S 13+50 W	201	42	2	88	0.2	5	<10
10S 14+00 W	201	18	4	37	0.1	4	<10
10S 14+50 W	201	34	2	72	0.4	4	<10
10S 15+00 W	201	88	3	123	0.1	6	20
10S 19+50 W	201	42	1	122	0.2	--	<10
10S 20+50 W	201	129	7	46	0.1	--	<10
12S 00+50 E	201	42	4	37	0.1	6	<10
12S 01+00 E	201	51	3	39	0.1	5	<10
12S 01+50 E	201	24	2	33	0.1	4	<10
12S 02+00 E	201	43	3	43	0.1	5	<10
12S 02+50 E	201	123	2	95	0.1	5	<10
12S 03+00 E	201	192	1	108	0.8	7	<10
12S 03+50 E	201	100	2	73	0.4	7	<10
12S 04+00 E	201	86	2	73	0.1	6	<10
12S 04+50 E	201	83	4	58	0.1	7	<10
12S 05+00 E	201	112	3	83	0.1	7	<10
12S 05+50 E	201	70	2	53	0.1	7	<10

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

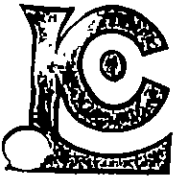
CERT. # : A8114136-006-B  
INVOICE # : I8114136  
DATE : 20-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
8S 13+00 W	201	--	--	--	--	--	--	--
8S 13+50 W	201	--	--	--	--	--	--	--
8S 14+00 W	201	--	--	--	--	--	--	--
8S 14+50 W	201	--	--	--	--	--	--	--
8S 15+00 W	201	--	--	--	--	--	--	--
8S 15+50 W	201	--	--	--	--	--	--	--
8S 16+00 W	201	--	--	--	--	--	--	--
8S 16+50 W	201	--	--	--	--	--	--	--
10S 10+50 W	201	40	--	--	--	--	--	--
10S 11+00 W	201	30	--	--	--	--	--	--
10S 11+50 W	201	20	--	--	--	--	--	--
10S 12+00 W	201	50	--	--	--	--	--	--
10S 12+50 W	201	70	--	--	--	--	--	--
10S 13+00 W	201	70	--	--	--	--	--	--
10S 13+50 W	201	30	--	--	--	--	--	--
10S 14+00 W	201	20	--	--	--	--	--	--
10S 14+50 W	201	30	--	--	--	--	--	--
10S 15+00 W	201	30	--	--	--	--	--	--
10S 19+50 W	201	--	--	--	--	--	--	--
10S 20+50 W	201	--	--	--	--	--	--	--
12S 00+50 E	201	20	--	--	--	--	--	--
12S 01+00 E	201	30	--	--	--	--	--	--
12S 01+50 E	201	30	--	--	--	--	--	--
12S 02+00 E	201	30	--	--	--	--	--	--
12S 02+50 E	201	20	--	--	--	--	--	--
12S 03+00 E	201	50	--	--	--	--	--	--
12S 03+50 E	201	N.S.S.	--	--	--	--	--	--
12S 04+00 E	201	N.S.S.	--	--	--	--	--	--
12S 04+50 E	201	N.S.S.	--	--	--	--	--	--
12S 05+00 E	201	N.S.S.	--	--	--	--	--	--
12S 05+50 E	201	N.S.S.	--	--	--	--	--	--



Certified by *Monty Bickler*



# CHEMEX LABS LTD.

WHPVJS

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114100-001-A  
INVOICE # : I8114100  
DATE : 16-OCT-81  
P.O. # : NONE  
~~N.E. 0.5. DECON~~

ATTN: ~~PHIL BURT~~ JPD

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L10S 04+00 E	201	45	1	48	0.2	10	<10
L10S 04+50 E	201	27	1	34	0.1	5	<10
L10S 05+00 E	201	27	1	29	0.2	6	<10
L10S 05+50 E	201	30	1	38	0.2	9	<10
L10S 06+00 E	201	41	1	42	0.1	9	<10
L10S 06+50 E	201	30	1	45	0.1	7	<10
L10S 07+00 E	201	55	1	70	0.6	11	<10
L10S 07+50 E	201	72	1	63	1.2	11	<10
L10S 08+00 E	201	73	1	56	1.7	7	10
L10S 08+50 E	201	176	1	38	1.1	6	<10
L10S 09+00 E	201	97	1	158	0.2	9	10
L10S 09+50 E	201	475	1	44	1.0	7	<10
L10S 10+00 E	201	300	1	75	0.6	10	<10
L10S 00+50 W	201	74	3	70	0.9	6	<10
L10S 01+00 W	201	179	15	56	2.3	7	<10
L10S 01+50 W	201	185	4	42	1.4	6	<10
L10S 02+00 W	201	47	1	38	0.6	5	<10
L10S 02+50 W	201	74	5	72	1.2	4	<10
L10S 03+00 W	201	168	17	66	0.4	7	<10
L10S 03+50 W	201	126	10	64	0.3	7	<10
L10S 04+00 W	201	67	5	85	0.4	7	<10
L10S 04+50 W	201	69	11	62	0.2	6	<10
L10S 05+00 W	201	118	2	55	0.5	9	<10
L10S 05+50 W	201	550	10	20	0.9	6	<10
L10S 06+00 W	201	465	1	28	0.2	6	<10
L10S 06+50 W	201	122	10	83	0.8	7	<10
L10S 07+00 W	201	196	13	59	2.5	14	<10
L10S 07+50 W	201	80	2	108	0.5	9	<10
L10S 08+00 W	201	189	11	75	0.5	10	<10
L10S 08+50 W	201	62	1	45	0.1	10	<10
L10S 09+00 W	201	45	2	50	0.2	11	<10
L10S 09+50 W	201	85	18	68	0.6	5	<10
L10S 10+00 W	201	38	11	40	0.1	3	<10
L12S 07+50E	201	143	7	41	0.5	9	<10
L12S 08+00E	201	84	7	50	0.6	5	<10
L12S 08+50E	201	113	5	31	1.6	3	<10
L12S 09+00E	201	49	4	25	0.4	4	<10
L12S 09+50E	201	505	2	20	0.9	3	<10
L12S 10+00E	201	240	7	30	0.5	3	<10
L12S 00+50 W	201	62	36	68	0.7	3	<10

Certified by *Hart Buehler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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 TELEX 043-52597

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114100-001-B  
 INVOICE # : I8114100  
 DATE : 16-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
L10S 04+00 E	201	50	--	--	--	--	--	--
L10S 04+50 E	201	40	--	--	--	--	--	--
L10S 05+00 E	201	40	--	--	--	--	--	--
L10S 05+50 E	201	40	--	--	--	--	--	--
L10S 06+00 E	201	50	--	--	--	--	--	--
L10S 06+50 E	201	50	--	--	--	--	--	--
L10S 07+00 E	201	110	--	--	--	--	--	--
L10S 07+50 E	201	70	--	--	--	--	--	--
L10S 08+00 E	201	60	--	--	--	--	--	--
L10S 08+50 E	201	70	--	--	--	--	--	--
L10S 09+00 E	201	50	--	--	--	--	--	--
L10S 09+50 E	201	90	--	--	--	--	--	--
L10S 10+00 E	201	70	--	--	--	--	--	--
L10S 00+50 W	201	60	--	--	--	--	--	--
L10S 01+00 W	201	50	--	--	--	--	--	--
L10S 01+50 W	201	130	--	--	--	--	--	--
L10S 02+00 W	201	40	--	--	--	--	--	--
L10S 02+50 W	201	40	--	--	--	--	--	--
L10S 03+00 W	201	50	--	--	--	--	--	--
L10S 03+50 W	201	40	--	--	--	--	--	--
L10S 04+00 W	201	30	--	--	--	--	--	--
L10S 04+50 W	201	40	--	--	--	--	--	--
L10S 05+00 W	201	40	--	--	--	--	--	--
L10S 05+50 W	201	100	--	--	--	--	--	--
L10S 06+00 W	201	90	--	--	--	--	--	--
L10S 06+50 W	201	60	--	--	--	--	--	--
L10S 07+00 W	201	100	--	--	--	--	--	--
L10S 07+50 W	201	40	--	--	--	--	--	--
L10S 08+00 W	201	60	--	--	--	--	--	--
L10S 08+50 W	201	40	--	--	--	--	--	--
L10S 09+00 W	201	50	--	--	--	--	--	--
L10S 09+50 W	201	60	--	--	--	--	--	--
L10S 10+00 W	201	50	--	--	--	--	--	--
L12S 07+50E	201	80	--	--	--	--	--	--
L12S 08+00E	201	70	--	--	--	--	--	--
L12S 08+50E	201	110	--	--	--	--	--	--
L12S 09+00E	201	70	--	--	--	--	--	--
L12S 09+50E	201	110	--	--	--	--	--	--
L12S 10+00E	201	100	--	--	--	--	--	--
L12S 00+50 W	201	40	--	--	--	--	--	--

Certified by *Hunter Bichler* .....







# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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 CANADA V7J 2C1  
 TELEPHONE (604)984-0221  
 TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

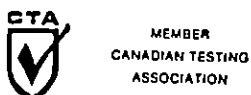
CERT. # : A8114100-002-A  
 INVOICE # : I8114100  
 DATE : 16-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

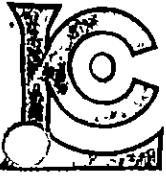
ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L12S 01+00 W	201	260	41	70	2.1	4	<10
L12S 01+50 W	201	98	47	55	0.7	4	<10
L12S 02+00 W	201	93	19	88	0.6	3	<10
L12S 02+50 W	201	97	17	76	0.3	2	<10
L12S 03+00 W	201	700	21	72	0.4	4	<10
L12S 03+50 W	201	290	18	105	0.2	4	<10
L12S 04+00 W	201	183	20	60	0.3	5	<10
L12S 04+50 W	201	138	15	41	0.2	3	<10
L12S 05+00 W	201	107	11	80	1.3	2	<10
L12S 05+50 W	201	1650	5	23	0.3	2	<10
L12S 06+00 W	201	600	5	19	0.4	2	<10
L12S 06+50 W	201	465	29	65	0.5	5	<10
L12S 07+00 W	201	270	7	58	0.1	2	<10
L12S 07+50 W	201	175	15	78	1.8	4	<10
L12S 08+00 W	201	138	9	52	0.3	5	<10
L12S 08+50 W	201	83	11	40	0.1	4	<10
L12S 09+00 W	201	46	6	31	0.1	3	<10
L12S 09+50 W	201	64	5	35	0.1	5	<10
L12S 10+00 W	203	24	1	60	0.3	2	<10
?? L13N 00+50 W	201	63	7	88	4.0	39	<10
L14S 00+50 E	201	43	15	45	0.3	4	<10
L14S 01+00 E	201	70	17	68	0.6	6	<10
L14S 01+50 E	201	98	13	56	0.2	5	<10
L14S 02+00 E	201	114	5	92	0.2	4	<10
L14S 02+50 E	201	125	4	102	0.2	4	<10
L14S 03+00 E	201	80	2	66	0.3	3	<10
L14S 03+50 E	201	57	2	49	0.2	3	<10
L14S 04+00 E	201	45	4	56	0.1	4	<10
L14S 04+50 E	201	74	5	62	0.2	6	<10
L14S 05+00 E	201	80	3	60	0.3	5	<10
L14S 05+50 E	201	80	2	77	0.3	6	<10
L14S 06+00 E	201	63	1	70	0.2	3	<10
L14S 06+50 E	201	54	4	55	0.2	5	<10
L14S 07+00 E	201	51	4	50	0.3	5	<10
L14S 07+50 E	201	67	2	60	0.1	7	<10
L14S 08+00 E	201	60	4	43	0.1	5	<10
L14S 08+50 E	201	87	5	55	0.2	23	<10
L14S 09+00 E	201	215	7	123	0.3	19	<10
L14S 09+50 E	201	157	8	69	0.2	9	<10
L14S 10+00 E	201	260	18	130	0.4	14	<10

*Heinz Bickler*

Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
 NORTH VANCOUVER B C  
 CANADA V7J 2C1  
 TELEPHONE (604)984-0221  
 TELEX 043-52597

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114100-002-8  
 INVOICE # : I8114100  
 DATE : 16-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb					
L12S 01+00 W	201	50	--	--	--	--	--
L12S 01+50 W	201	50	--	--	--	--	--
L12S 02+00 W	201	30	--	--	--	--	--
L12S 02+50 W	201	40	--	--	--	--	--
L12S 03+00 W	201	50	--	--	--	--	--
L12S 03+50 W	201	30	--	--	--	--	--
L12S 04+00 W	201	40	--	--	--	--	--
L12S 04+50 W	201	40	--	--	--	--	--
L12S 05+00 W	201	40	--	--	--	--	--
L12S 05+50 W	201	70	--	--	--	--	--
L12S 06+00 W	201	120	--	--	--	--	--
L12S 06+50 W	201	160	--	--	--	--	--
L12S 07+00 W	201	90	--	--	--	--	--
L12S 07+50 W	201	90	--	--	--	--	--
L12S 08+00 W	201	40	--	--	--	--	--
L12S 08+50 W	201	50	--	--	--	--	--
L12S 09+00 W	201	40	--	--	--	--	--
L12S 09+50 W	201	50	--	--	--	--	--
L12S 10+00 W	203	100	--	--	--	--	--
L13N 00+50 W	201	90	--	--	--	--	--
L14S 00+50 E	201	70	--	--	--	--	--
L14S 01+00 E	201	70	--	--	--	--	--
L14S 01+50 E	201	60	--	--	--	--	--
L14S 02+00 E	201	40	--	--	--	--	--
L14S 02+50 E	201	30	--	--	--	--	--
L14S 03+00 E	201	30	--	--	--	--	--
L14S 03+50 E	201	50	--	--	--	--	--
L14S 04+00 E	201	50	--	--	--	--	--
L14S 04+50 E	201	30	--	--	--	--	--
L14S 05+00 E	201	30	--	--	--	--	--
L14S 05+50 E	201	30	--	--	--	--	--
L14S 06+00 E	201	70	--	--	--	--	--
L14S 06+50 E	201	70	--	--	--	--	--
L14S 07+00 E	201	50	--	--	--	--	--
L14S 07+50 E	201	50	--	--	--	--	--
L14S 08+00 E	201	50	--	--	--	--	--
L14S 08+50 E	201	90	--	--	--	--	--
L14S 09+00 E	201	130	--	--	--	--	--
L14S 09+50 E	201	120	--	--	--	--	--
L14S 10+00 E	201	70	--	--	--	--	--

*Hank 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

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114100-003-A  
 INVOICE # : I8114100  
 DATE : 16-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

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Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L14+00S 00+50 W	201	119	33	75	1.2 ✓	4	<10
L14+00S 01+00 W	201	136	15	75	0.5 ✓	2	<10
L14+00S 01+50 W	201	66	20	62	0.7 ✓	2	<10
L14+00S 02+00 W	201	77	17	66	1.5 ✓	2	<10
L14+00S 02+50 W	201	94	17	55	0.8 ✓	2	<10
L14+00S 03+00 W	201	168	26	50	0.8 ✓	3	<10
L14+00S 03+50 W	201	1050	2	70	0.8 ✓	1	<10
L14+00S 04+00 W	203	9000	8	29	2.3 ✓	2	<10
L14+00S 04+50 W	201	950	17	41	1.8 ✓	2	<10
L14+00S 05+00 W	201	325	13	58	0.7 ✓	4	<10
L14+00S 05+50 W	201	305	11	58	0.5 ✓	3	<10
L14+00S 06+00 W	201	1050	17	38	2.5 ✓	3	<10
L14+00S 06+50 W	201	96	16	58	0.3 ✓	2	<10
L14+00S 07+00 W	201	113	12	37	0.3 ✓	2	<10
L14+00S 07+50 W	201	88	18	158	0.2 ✓	2	<10
L14+00S 08+00 W	201	74	10	42	0.6 ✓	2	<10
L14+00S 08+50 W	201	106	6	47	0.2 ✓	5	<10
L14+00S 09+00 W	201	330	1	16	0.2 ✓	1	<10
L14+00S 09+50 W	201	700	11	44	0.8 ✓	4	<10
L14+00S 10+00 W	201	555	9	33	0.7 ✓	3	<10
L16+00S 00+50 W	201	79	15	57	0.5 ✓	4	<10
L16+00S 01+00 W	201	76	18	64	0.6 ✓	3	<10
L16+00S 01+50 W	201	187	1	23	0.1 ✓	3	<10
L16+00S 02+00 W	201	100	11	40	0.2 ✓	4	<10
L16+00S 02+50 W	201	103	16	46	0.5 ✓	4	<10
L16+00S 03+00 W	201	52	15	70	0.2 ✓	2	<10
L16+00S 03+50 W	201	700	19	46	2.0 ✓	12	<10
L16+00S 04+00 W	201	260	17	60	0.8 ✓	3	<10
L16+00S 04+50 W	201	157	19	55	1.1 ✓	3	<10
L16+00S 05+00 W	201	222	14	42	0.6 ✓	2	<10
L16+00S 05+50 W	201	134	25	68	0.5 ✓	2	<10
L16+00S 06+00 W	201	61	7	46	0.3 ✓	3	<10
L16+00S 06+50 W	201	57	8	42	0.3 ✓	2	<10
L16+00S 07+00 W	201	155	11	72	0.4 ✓	4	<10
L16+00S 07+50 W	201	67	11	72	0.4 ✓	2	<10
L16+00S 08+00 W	201	23	6	16	0.4 ✓	2	<10
L16+00S 08+50 W	201	164	14	120	0.5 ✓	4	<10
L16+00S 09+00 W	201	300	17	74	0.6 ✓	51	<10
L16+00S 09+50 W	201	174	7	50	0.4 ✓	4	<10
L16+00S 10+00 W	201	73	6	71	0.2 ✓	3	<10



Certified by *Paul R. ...*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
 NORTH VANCOUVER, B C  
 CANADA V7J 2C1  
 TELEPHONE (604)984-0221  
 TELEX 043-52597

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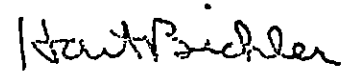
CERTIFICATE OF ANALYSIS
-------------------------

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114100-003-B  
 INVOICE # : 18114100  
 DATE : 16-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
L14+00S 00+50 W	201	70	--	--	--	--	--	--
L14+00S 01+00 W	201	30	--	--	--	--	--	--
L14+00S 01+50 W	201	40	--	--	--	--	--	--
L14+00S 02+00 W	201	40	--	--	--	--	--	--
L14+00S 02+50 W	201	50	--	--	--	--	--	--
L14+00S 03+00 W	201	60	--	--	--	--	--	--
L14+00S 03+50 W	201	50	--	--	--	--	--	--
L14+00S 04+00 W	203	100	--	--	--	--	--	--
L14+00S 04+50 W	201	80	--	--	--	--	--	--
L14+00S 05+00 W	201	70	--	--	--	--	--	--
L14+00S 05+50 W	201	50	--	--	--	--	--	--
L14+00S 06+00 W	201	90	--	--	--	--	--	--
L14+00S 06+50 W	201	30	--	--	--	--	--	--
L14+00S 07+00 W	201	30	--	--	--	--	--	--
L14+00S 07+50 W	201	30	--	--	--	--	--	--
L14+00S 08+00 W	201	50	--	--	--	--	--	--
L14+00S 08+50 W	201	50	--	--	--	--	--	--
L14+00S 09+00 W	201	N.S.S.	--	--	--	--	--	--
L14+00S 09+50 W	201	110	--	--	--	--	--	--
L14+00S 10+00 W	201	100	--	--	--	--	--	--
L16+00S 00+50 W	201	50	--	--	--	--	--	--
L16+00S 01+00 W	201	30	--	--	--	--	--	--
L16+00S 01+50 W	201	30	--	--	--	--	--	--
L16+00S 02+00 W	201	30	--	--	--	--	--	--
L16+00S 02+50 W	201	80	--	--	--	--	--	--
L16+00S 03+00 W	201	30	--	--	--	--	--	--
L16+00S 03+50 W	201	80	--	--	--	--	--	--
L16+00S 04+00 W	201	40	--	--	--	--	--	--
L16+00S 04+50 W	201	40	--	--	--	--	--	--
L16+00S 05+00 W	201	60	--	--	--	--	--	--
L16+00S 05+50 W	201	40	--	--	--	--	--	--
L16+00S 06+00 W	201	50	--	--	--	--	--	--
L16+00S 06+50 W	201	60	--	--	--	--	--	--
L16+00S 07+00 W	201	50	--	--	--	--	--	--
L16+00S 07+50 W	201	40	--	--	--	--	--	--
L16+00S 08+00 W	201	60	--	--	--	--	--	--
L16+00S 08+50 W	201	50	--	--	--	--	--	--
L16+00S 09+00 W	201	50	--	--	--	--	--	--
L16+00S 09+50 W	201	20	--	--	--	--	--	--
L16+00S 10+00 W	201	30	--	--	--	--	--	--

  
 Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1

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TELEPHONE (604)984-0221  
TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114100-004-A  
INVOICE # : I8114100  
DATE : 16-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

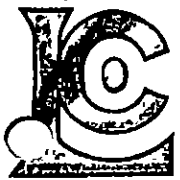
ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L18+00S 01+00 W	203	93	6	55	0.2	4	<10
L18+00S 01+50 W	203	58	4	40	0.2	3	<10
L18+00S 02+00 W	203	53	1	35	0.8	2	<10
L18+00S 02+50 W	201	170	17	55	0.1	4	<10
L18+00S 03+00 W	201	300	24	60	1.9	4	<10
L18+00S 03+50 W	201	550	10	23	5.0	3	<10
L18+00S 04+00 W	201	1000	5	34	3.3	2	<10
L18+00S 04+50 W	201	1100	11	15	2.5	2	<10
L18+00S 05+00 W	201	415	7	18	1.6	2	20
L18+00S 05+50 W	201	365	13	38	1.4	2	<10
L18+00S 06+00 W	201	51	15	38	0.8	2	20
L18+00S 06+50 W	201	175	16	52	0.8	5	<10
L18+00S 07+00 W	201	550	15	64	1.1	3	<10
L18+00S 07+50 W	201	1100	10	45	1.9	2	<10
L18+00S 08+00 W	201	900	1	14	2.0	1	<10
L18+00S 08+50 W	201	205	47	62	0.9	4	<10
L18+00S 09+00 W	201	82	13	20	0.8	2	10
L18+00S 09+50 W	201	250	12	50	0.5	5	<10
L18+00S 10+00 W	201	245	1	23	0.6	2	<10
L20+00S 00+50 W	201	105	2	64	0.7	4	10
L20+00S 01+00 W	201	145	13	58	0.9	5	<10
L20+00S 01+50 W	201	112	6	50	0.8	3	<10
L20+00S 02+00 W	201	510	10	55	1.0	4	<10
L20+00S 02+50 W	203	650	1	20	6.2	2	<10
L20+00S 03+00 W	201	495	1	21	0.1	1	<10
L20+00S 03+50 W	201	350	3	24	0.1	1	<10
L20+00S 04+00 W	201	235	1	46	0.1	2	<10
L20+00S 04+50 W	201	205	1	26	0.1	1	<10
L20+00S 05+00 W	201	124	20	83	0.1	9	<10
L20+00S 05+50 W	201	210	22	67	0.2	9	<10
L20+00S 06+00 W	201	230	24	60	0.8	7	<10
L20+00S 06+50 W	201	112	1	38	0.4	3	<10
L20+00S 07+00 W	201	136	4	52	0.6	3	<10
L20+00S 07+50 W	201	112	22	86	0.2	3	<10
L20+00S 08+00 W	201	36	8	49	0.3	2	<10
L20+00S 08+50 W	201	59	6	13	4.7	2	<10
L20+00S 09+00 W	201	52	5	10	4.3	1	<10
L20+00S 10+00 W	201	192	22	95	0.7	4	<10
L22+00S 01+00 W	201	122	13	82	0.6	5	<10
L22+00S 01+50 W	201	163	34	80	0.4	10	20

Certified by *Hart Bichler*



MEMBER  
CANADIAN TESTING  
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# CHEMEX LABS LTD.

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TELEX 043-52597

ANALYTICAL CHEMISTS

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REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114100-004-B  
INVOICE # : 18114100  
DATE : 16-OCT-81  
P.O. # : NONE  
~~N.E.-B.C.~~ RECON

*WHD*

ATTN: PHIL BURT

Sample description	Prep code	W	W	W	W	W
L18+00S 01+00	W 203	---	---	---	---	---
L18+00S 01+50	W 203	---	---	---	---	---
L18+00S 02+00	W 203	---	---	---	---	---
L18+00S 02+50	W 201	---	---	---	---	---
L18+00S 03+00	W 201	---	---	---	---	---
L18+00S 03+50	W 201	---	---	---	---	---
L18+00S 04+00	W 201	---	---	---	---	---
L18+00S 04+50	W 201	---	---	---	---	---
L18+00S 05+00	W 201	---	---	---	---	---
L18+00S 05+50	W 201	---	---	---	---	---
L18+00S 06+00	W 201	---	---	---	---	---
L18+00S 06+50	W 201	---	---	---	---	---
L18+00S 07+00	W 201	---	---	---	---	---
L18+00S 07+50	W 201	---	---	---	---	---
L18+00S 08+00	W 201	---	---	---	---	---
L18+00S 08+50	W 201	---	---	---	---	---
L18+00S 09+00	W 201	---	---	---	---	---
L18+00S 09+50	W 201	---	---	---	---	---
L18+00S 10+00	W 201	---	---	---	---	---
L20+00S 00+50	W 201	---	---	---	---	---
L20+00S 01+00	W 201	---	---	---	---	---
L20+00S 01+50	W 201	---	---	---	---	---
L20+00S 02+00	W 201	---	---	---	---	---
L20+00S 02+50	W 203	---	---	---	---	---
L20+00S 03+00	W 201	---	---	---	---	---
L20+00S 03+50	W 201	---	---	---	---	---
L20+00S 04+00	W 201	---	---	---	---	---
L20+00S 04+50	W 201	---	---	---	---	---
L20+00S 05+00	W 201	---	---	---	---	---
L20+00S 05+50	W 201	---	---	---	---	---
L20+00S 06+00	W 201	---	---	---	---	---
L20+00S 06+50	W 201	---	---	---	---	---
L20+00S 07+00	W 201	---	---	---	---	---
L20+00S 07+50	W 201	---	---	---	---	---
L20+00S 08+00	W 201	---	---	---	---	---
L20+00S 08+50	W 201	---	---	---	---	---
L20+00S 09+00	W 201	---	---	---	---	---
L20+00S 10+00	W 201	---	---	---	---	---
L22+00S 01+00W	201	---	---	---	---	---
L22+00S 01+50W	201	---	---	---	---	---



Certified by *John A. Bickler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1

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TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114100-005-A  
INVOICE # : I8114100  
DATE : 16-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

X X

X

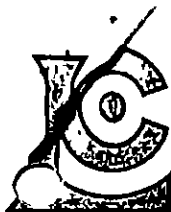
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L22+00S 02+00 W	201	153	30	105	0.6	12	<10
L22+00S 02+50 W	201	154	28	80	0.5	10	<10
L22+00S 03+00 W	201	4000	26	83	2.1	6	20
L22+00S 03+50 W	201	1400	17	80	0.2	4	<10
L22+00S 04+00 W	201	240	15	88	0.3	5	<10
L22+00S 04+50 W	201	163	7	87	0.1	5	<10
L22+00S 05+00 W	201	144	15	78	0.2	12	<10
L22+00S 05+50 W	201	137	10	88	0.3	4	<10
L22+00S 06+00 W	201	107	7	49	0.3	3	<10
L22+00S 06+50 W	201	118	8	61	0.2	3	<10
L22+00S 07+00 W	201	92	1	40	0.2	3	<10
L22+00S 07+50 W	201	300	2	90	0.3	2	20
L22+00S 08+00 W	201	128	8	47	0.6	3	<10
L22+00S 08+50 W	201	900	46	112	0.3	3	60
L22+00S 09+00 W	201	380	15	80	0.4	2	20
L22+00S 09+50 W	201	700	8	86	0.3	4	10
L22+00S 10+00 W	201	89	1	33	0.5	2	10
L24S 00+50 E	203	67	18	154	0.7	3	10
L24S 01+00 E	201	178	7	135	0.4	9	20
L24S 01+50 E	201	191	6	145	0.2	12	10
L24S 02+00 E	201	140	7	135	0.4	9	<10
L24S 02+50 E	201	159	2	145	0.2	11	10
L24S 03+00 E	201	200	9	153	0.1	9	20
L24S 03+50 E	201	265	15	190	0.1	17	10
L24S 04+00 E	203	320	22	212	0.1	19	<10
L24+00S 00+50 W	201	141	4	130	0.3	9	<10
L24+00S 01+00 W	201	98	5	170	0.1	9	10
L24+00S 02+00 W	201	53	2	168	0.3	3	<10
81TBL 65	203	16	--	48	0.1	3	20
81TBL 66	203	12	--	50	0.1	2	10
81TBL 67	203	25	--	70	0.1	4	10
81TBL 68	201	18	--	72	0.1	3	<10
81TBL 69	201	34	--	88	0.1	4	10
81TBL 70	201	30	--	102	0.1	6	20
81TBL 71	201	39	--	100	0.1	5	10
81TBL 72	203	34	--	86	0.1	4	<10
81TBL 73	203	34	--	83	0.1	5	<10
81TBL 74	201	38	--	90	0.1	5	10
81TBL 75	201	26	--	95	0.1	6	20
81TBL 76	201	28	--	78	0.1	7	<10

X

*Haut Bichler*

Certified by .....





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CANADA V7J 2C1  
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TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114100-005-B  
INVOICE # : I8114100  
DATE : 16-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

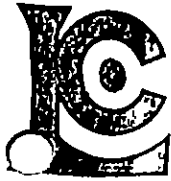
ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
L22+00S 02+00 W	201	90	--	--	--	--	--	--
L22+00S 02+50 W	201	90	--	--	--	--	--	--
L22+00S 03+00 W	201	80	--	--	--	--	--	--
L22+00S 03+50 W	201	60	--	--	--	--	--	--
L22+00S 04+00 W	201	70	--	--	--	--	--	--
L22+00S 04+50 W	201	60	--	--	--	--	--	--
L22+00S 05+00 W	201	80	--	--	--	--	--	--
L22+00S 05+50 W	201	70	--	--	--	--	--	--
L22+00S 06+00 W	201	50	--	--	--	--	--	--
L22+00S 06+50 W	201	50	--	--	--	--	--	--
L22+00S 07+00 W	201	60	--	--	--	--	--	--
L22+00S 07+50 W	201	50	--	--	--	--	--	--
L22+00S 08+00 W	201	90	--	--	--	--	--	--
L22+00S 08+50 W	201	70	--	--	--	--	--	--
L22+00S 09+00 W	201	60	--	--	--	--	--	--
L22+00S 09+50 W	201	70	--	--	--	--	--	--
L22+00S 10+00 W	201	50	--	--	--	--	--	--
L24S 00+50 E	203	50	--	--	--	--	--	--
L24S 01+00 E	201	70	--	--	--	--	--	--
L24S 01+50 E	201	80	--	--	--	--	--	--
L24S 02+00 E	201	60	--	--	--	--	--	--
L24S 02+50 E	201	70	--	--	--	--	--	--
L24S 03+00 E	201	60	--	--	--	--	--	--
L24S 03+50 E	201	90	--	--	--	--	--	--
L24S 04+00 E	203	160	--	--	--	--	--	--
L24+00S 00+50 W	201	80	--	--	--	--	--	--
L24+00S 01+00 W	201	40	--	--	--	--	--	--
L24+00S 02+00 W	201	40	--	--	--	--	--	--
81TBL 65	203	100	--	--	--	--	--	--
81TBL 66	203	50	--	--	--	--	--	--
81TBL 67	203	60	--	--	--	--	--	--
81TBL 68	201	70	--	--	--	--	--	--
81TBL 69	201	180	--	--	--	--	--	--
81TBL 70	201	160	--	--	--	--	--	--
81TBL 71	201	120	--	--	--	--	--	--
81TBL 72	203	140	--	--	--	--	--	--
81TBL 73	203	110	--	--	--	--	--	--
81TBL 74	201	120	--	--	--	--	--	--
81TBL 75	201	130	--	--	--	--	--	--
81TBL 76	201	160	--	--	--	--	--	--

Certified by *Hart Buchler*







# CHEMEX LABS LTD.

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

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114135-001-A  
 INVOICE # : I8114135  
 DATE : 19-OCT-81  
 P.O. # : NONE

~~100-31-1110N~~ WHDB

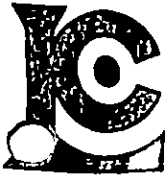
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
10N 09+50 E	201	39	1	275	0.1	9	<10
10N 10+00 E	201	56	1	248	0.2	10	<10
10N 00+50 W	201	36	1	115	0.2	--	<10
10N 01+00 W	201	27	1	146	0.1	--	<10
10N 01+50 W	201	74	1	94	0.3	--	<10
10N 02+00 W	201	41	1	95	0.2	--	<10
10N 02+50 W	201	88	1	84	0.1	--	<10
10N 03+00 W	201	61	1	107	0.1	--	<10
10N 03+50 W	201	82	1	88	0.2	--	<10
10N 04+00 W	201	44	1	83	0.2	--	20
10N 05+00 W	201	12	1	100	0.1	--	10
10N 05+50 W	201	46	1	88	0.1	--	<10
10N 06+00 W	201	34	1	95	0.1	--	<10
10N 06+50 W	201	95	1	78	0.1	--	<10
10N 08+00 W	201	33	1	70	0.1	--	<10
10N 08+50 W	201	26	1	71	0.1	--	<10
10N 09+00 W	203	40	1	70	0.1	--	<10
10N 09+50 W	201	53	1	104	0.2	--	<10
10N 10+00 W	201	103	1	93	0.3	--	<10
10N 10+50 W	201	91	2	164	0.3	--	<10
10N 11+00 W	203	90	1	160	0.4	--	<10
10N 11+50 W	201	113	1	108	0.3	--	<10
10N 12+00 W	201	96	1	65	0.1	--	<10
10N 12+50 W	201	32	1	49	0.3	--	<10
10N 13+00 W	201	26	1	46	0.2	--	<10
10N 13+50 W	201	39	1	50	0.1	--	<10
10N 14+00 W	201	17	1	68	0.1	--	<10
10N 14+50 W	201	245	1	240	0.3	--	<10
10N 15+00 W	201	20	1	62	0.2	--	<10
10N 15+50 W	201	32	1	44	0.3	--	<10
10N 16+00 W	201	53	1	65	0.1	--	<10
10N 16+50 W	201	77	1	90	0.1	--	<10
10N 17+00 W	201	72	3	104	0.1	--	<10
10N 17+50 W	201	73	2	102	0.1	--	<10
10N 18+00 W	201	39	1	76	0.2	--	<10
10N 18+50 W	201	37	1	63	0.1	--	<10
10N 19+00 W	201	67	1	85	0.2	--	<10
10N 19+50 W	201	58	1	90	0.1	--	<10
10N 20+00 W	201	16	1	45	0.1	--	<10
10N 20+50 W	201	28	1	62	0.2	11	<10

*Hart Bichler*

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B C  
CANADA V7J 2C1  
TELEPHONE (604)984-0221  
TELEX 043-52597

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-001-B  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
10N 09+50 E	201	50	--	--	--	--	--	--
10N 10+00 E	201	50	--	--	--	--	--	--
10N 00+50 W	201	--	--	--	--	--	--	--
10N 01+00 W	201	--	--	--	--	--	--	--
10N 01+50 W	201	--	--	--	--	--	--	--
10N 02+00 W	201	--	--	--	--	--	--	--
10N 02+50 W	201	--	--	--	--	--	--	--
10N 03+00 W	201	--	--	--	--	--	--	--
10N 03+50 W	201	--	--	--	--	--	--	--
10N 04+00 W	201	--	--	--	--	--	--	--
10N 05+00 W	201	--	--	--	--	--	--	--
10N 05+50 W	201	--	--	--	--	--	--	--
10N 06+00 W	201	--	--	--	--	--	--	--
10N 06+50 W	201	--	--	--	--	--	--	--
10N 08+00 W	201	--	--	--	--	--	--	--
10N 08+50 W	201	--	--	--	--	--	--	--
10N 09+00 W	203	--	--	--	--	--	--	--
10N 09+50 W	201	--	--	--	--	--	--	--
10N 10+00 W	201	--	--	--	--	--	--	--
10N 10+50 W	201	--	--	--	--	--	--	--
10N 11+00 W	203	--	--	--	--	--	--	--
10N 11+50 W	201	--	--	--	--	--	--	--
10N 12+00 W	201	--	--	--	--	--	--	--
10N 12+50 W	201	--	--	--	--	--	--	--
10N 13+00 W	201	--	--	--	--	--	--	--
10N 13+50 W	201	--	--	--	--	--	--	--
10N 14+00 W	201	--	--	--	--	--	--	--
10N 14+50 W	201	--	--	--	--	--	--	--
10N 15+00 W	201	--	--	--	--	--	--	--
10N 15+50 W	201	--	--	--	--	--	--	--
10N 16+00 W	201	--	--	--	--	--	--	--
10N 16+50 W	201	--	--	--	--	--	--	--
10N 17+00 W	201	--	--	--	--	--	--	--
10N 17+50 W	201	--	--	--	--	--	--	--
10N 18+00 W	201	--	--	--	--	--	--	--
10N 18+50 W	201	--	--	--	--	--	--	--
10N 19+00 W	201	--	--	--	--	--	--	--
10N 19+50 W	201	--	--	--	--	--	--	--
10N 20+00 W	201	--	--	--	--	--	--	--
10N 20+50 W	201	60	--	--	--	--	--	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-002-A  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

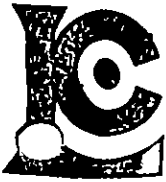
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
10N 21+00 W	201	23	1	44	0.1	9	<10
10N 21+50 W	201	39	1	55	0.1	15	<10
10N 22+00 W	201	66	1	96	0.2	27	<10
10N 22+50 W	201	91	1	120	0.2	27	<10
10N 23+00 W	201	16	1	49	0.1	6	<10
10N 23+50 W	201	29	1	75	0.1	11	<10
10N 24+00 W	201	21	1	49	0.1	7	<10
12N 00+50 E	201	41	1	122	0.1	15	<10
12N 01+00 E	201	66	1	178	0.1	16	<10
12N 01+50 E	201	56	1	112	0.1	14	<10
12N 02+00 E	201	38	1	102	0.1	9	<10
12N 02+50 E	201	33	1	100	0.1	9	<10
12N 03+00 E	201	34	1	122	0.1	9	<10
12N 03+50 E	201	17	1	50	0.1	4	10
12N 04+00 E	201	30	1	72	0.1	11	<10
12N 04+50 E	201	28	1	45	0.1	5	<10
12N 05+00 E	201	26	1	76	0.1	5	<10
14N 00+50 E	201	55	1	105	0.1	14	<10
14N 01+00 E	201	70	1	138	0.2	14	<10
14N 01+50 E	201	57	1	130	0.1	14	<10
14N 02+00 E	201	41	1	83	0.1	14	<10
14N 02+50 E	201	39	1	90	0.1	20	<10
14N 03+00 E	201	45	1	70	0.1	16	20
14N 03+50 E	201	42	1	103	0.1	15	<10
14N 04+00 E	201	44	1	64	0.1	9	<10
14N 04+50 E	201	54	1	155	0.2	20	<10
14N 05+00 E	201	42	1	72	0.1	12	10
14N 05+50 E	201	46	1	75	0.1	6	<10
14N 06+00 E	201	21	1	24	0.1	6	<10
14N 06+50 E	201	15	1	20	0.1	6	<10
14N 07+00 E	201	20	1	35	0.1	5	<10
14N 07+50 E	201	15	1	30	0.2	6	<10
14N 08+00 E	201	36	1	54	0.1	6	<10
14N 08+50 E	201	35	1	81	0.1	7	<10
14N 09+00 E	201	46	1	72	0.1	9	<10
14N 09+50 E	201	26	1	64	0.3	6	<10
14N 10+00 E	203	32	1	62	0.1	9	<10
14N 00+50 W	201	65	1	120	0.1	11	<10
14N 01+00 W	201	62	1	135	0.1	12	<10
14N 01+50 W	201	65	1	145	0.1	12	<10

*Hart Buchler*

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-002-B  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
10N 21+00 W	201	60	--	--	--	--	--	--
10N 21+50 W	201	60	--	--	--	--	--	--
10N 22+00 W	201	80	--	--	--	--	--	--
10N 22+50 W	201	60	--	--	--	--	--	--
10N 23+00 W	201	20	--	--	--	--	--	--
10N 23+50 W	201	40	--	--	--	--	--	--
10N 24+00 W	201	30	--	--	--	--	--	--
12N 00+50 E	201	20	--	--	--	--	--	--
12N 01+00 E	201	10	--	--	--	--	--	--
12N 01+50 E	201	10	--	--	--	--	--	--
12N 02+00 E	201	30	--	--	--	--	--	--
12N 02+50 E	201	20	--	--	--	--	--	--
12N 03+00 E	201	30	--	--	--	--	--	--
12N 03+50 E	201	30	--	--	--	--	--	--
12N 04+00 E	201	10	--	--	--	--	--	--
12N 04+50 E	201	30	--	--	--	--	--	--
12N 05+00 E	201	20	--	--	--	--	--	--
14N 00+50 E	201	20	--	--	--	--	--	--
14N 01+00 E	201	20	--	--	--	--	--	--
14N 01+50 E	201	10	--	--	--	--	--	--
14N 02+00 E	201	30	--	--	--	--	--	--
14N 02+50 E	201	30	--	--	--	--	--	--
14N 03+00 E	201	10	--	--	--	--	--	--
14N 03+50 E	201	20	--	--	--	--	--	--
14N 04+00 E	201	20	--	--	--	--	--	--
14N 04+50 E	201	80	--	--	--	--	--	--
14N 05+00 E	201	20	--	--	--	--	--	--
14N 05+50 E	201	20	--	--	--	--	--	--
14N 06+00 E	201	30	--	--	--	--	--	--
14N 06+50 E	201	10	--	--	--	--	--	--
14N 07+00 E	201	20	--	--	--	--	--	--
14N 07+50 E	201	30	--	--	--	--	--	--
14N 08+00 E	201	10	--	--	--	--	--	--
14N 08+50 E	201	20	--	--	--	--	--	--
14N 09+00 E	201	30	--	--	--	--	--	--
14N 09+50 E	201	30	--	--	--	--	--	--
14N 10+00 E	203	20	--	--	--	--	--	--
14N 00+50 W	201	40	--	--	--	--	--	--
14N 01+00 W	201	30	--	--	--	--	--	--
14N 01+50 W	201	40	--	--	--	--	--	--

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212 BROOKSBANK AVE  
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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-003-A  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
14N 02+00 W	201	265	1	130	0.2	10	<10
14N 02+50 W	201	96	1	90	0.1	10	<10
14N 03+00 W	201	76	1	125	0.3	11	<10
14N 03+50 W	201	82	1	130	0.1	10	20
14N 04+00 W	201	67	1	168	0.1	14	10
14N 04+50 W	201	55	1	145	0.1	11	20
14N 05+00 W	201	42	1	115	0.1	11	10
14N 05+50 W	201	42	3	95	0.3	10	20
14N 06+00 W	201	42	1	98	0.2	12	10
14N 06+50 W	201	34	1	83	0.1	12	<10
14N 07+00 W	201	29	1	76	0.1	9	<10
14N 07+50 W	201	28	1	110	0.1	9	20
14N 08+00 W	201	23	1	86	0.2	7	<10
14N 08+50 W	201	104	1	92	0.2	17	<10
14N 09+00 W	201	39	1	103	0.3	11	<10
14N 09+50 W	201	35	1	130	0.1	9	<10
14N 10+00 W	201	26	1	116	0.1	14	<10
14N 10+50 W	201	48	1	95	0.1	19	<10
14N 11+00 W	201	24	1	85	0.3	12	<10
14N 11+50 W	201	29	1	95	0.1	12	<10
14N 12+00 W	201	39	1	133	0.3	16	<10
14N 12+50 W	201	134	1	55	0.4	22	<10
14N 13+00 W	201	46	1	78	0.4	14	<10
14N 13+50 W	201	29	1	120	0.2	15	<10
14N 14+00 W	201	96	1	136	0.2	17	N.S.S.
14N 14+50 W	201	92	1	148	0.6	12	<10
14N 15+00 W	201	20	1	92	0.2	11	<10
14N 15+50 W	201	27	1	110	0.1	14	20
14N 16+00 W	201	29	1	90	0.1	19	10
14N 16+50 W	203	34	1	22	0.2	9	20
14N 17+00 W	203	17	1	14	0.1	6	N.S.S.
14N 17+50 W	203	29	1	17	0.8	63	20
14N 18+00 W	201	49	1	95	0.4	23	<10
14N 18+50 W	201	35	1	82	0.1	15	<10
14N 19+00 W	201	57	1	75	0.1	36	<10
14N 19+50 W	201	14	1	66	0.2	11	<10
14N 20+00 W	201	32	1	102	0.3	11	20
14N 20+50 W	203	46	1	78	0.2	22	<10
14N 21+00 W	203	112	1	58	0.5	23	10
14N 21+50 W	201	36	1	23	0.4	14	20



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER B C  
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TELEPHONE (604)984-0221  
TELEX 043-52597

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• GEOCHEMISTS

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-003-B  
INVOICE # : 18114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

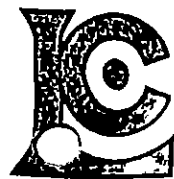
ATTN: P. BURT

Sample description	Prep code	Hg ppb						
14N 02+00 W	201	30	--	--	--	--	--	--
14N 02+50 W	201	40	--	--	--	--	--	--
14N 03+00 W	201	20	--	--	--	--	--	--
14N 03+50 W	201	30	--	--	--	--	--	--
14N 04+00 W	201	20	--	--	--	--	--	--
14N 04+50 W	201	30	--	--	--	--	--	--
14N 05+00 W	201	40	--	--	--	--	--	--
14N 05+50 W	201	30	--	--	--	--	--	--
14N 06+00 W	201	70	--	--	--	--	--	--
14N 06+50 W	201	40	--	--	--	--	--	--
14N 07+00 W	201	50	--	--	--	--	--	--
14N 07+50 W	201	20	--	--	--	--	--	--
14N 08+00 W	201	10	--	--	--	--	--	--
14N 08+50 W	201	30	--	--	--	--	--	--
14N 09+00 W	201	20	--	--	--	--	--	--
14N 09+50 W	201	20	--	--	--	--	--	--
14N 10+00 W	201	20	--	--	--	--	--	--
14N 10+50 W	201	30	--	--	--	--	--	--
14N 11+00 W	201	20	--	--	--	--	--	--
14N 11+50 W	201	30	--	--	--	--	--	--
14N 12+00 W	201	20	--	--	--	--	--	--
14N 12+50 W	201	130	--	--	--	--	--	--
14N 13+00 W	201	40	--	--	--	--	--	--
14N 13+50 W	201	40	--	--	--	--	--	--
14N 14+00 W	201	120	--	--	--	--	--	--
14N 14+50 W	201	90	--	--	--	--	--	--
14N 15+00 W	201	30	--	--	--	--	--	--
14N 15+50 W	201	20	--	--	--	--	--	--
14N 16+00 W	201	30	--	--	--	--	--	--
14N 16+50 W	203	90	--	--	--	--	--	--
14N 17+00 W	203	60	--	--	--	--	--	--
14N 17+50 W	203	190	--	--	--	--	--	--
14N 18+00 W	201	90	--	--	--	--	--	--
14N 18+50 W	201	60	--	--	--	--	--	--
14N 19+00 W	201	30	--	--	--	--	--	--
14N 19+50 W	201	20	--	--	--	--	--	--
14N 20+00 W	201	30	--	--	--	--	--	--
14N 20+50 W	203	50	--	--	--	--	--	--
14N 21+00 W	203	140	--	--	--	--	--	--
14N 21+50 W	201	50	--	--	--	--	--	--

Certified by *Hart Bichler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B C  
CANADA V7J 2G1

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

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## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-004-A  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

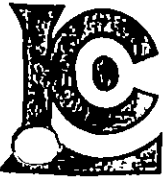
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
14N 22+00 W	201	64	1	115	1.0	14	20
14N 22+50 W	201	14	1	55	0.2	9	10
14N 23+00 W	201	32	1	68	0.2	10	10
14N 23+50 W	201	13	1	40	0.3	5	<10
14N 24+00 W	201	26	1	83	0.1	12	20
16N 00+50 W	201	47	1	130	0.2	--	20
16N 01+00 W	201	36	2	122	0.2	--	10
16N 01+50 W	201	34	1	102	0.3	--	20
16N 02+00 W	201	31	1	92	0.4	--	10
16N 02+50 W	201	24	1	91	0.8	--	20
16N 03+00 W	201	27	1	55	0.3	--	20
16N 03+50 W	201	36	1	102	0.8	--	20
16N 04+00 W	201	46	1	56	1.0	--	<10
16N 04+50 W	201	24	1	130	0.4	--	<10
16N 05+00 W	201	18	1	115	103.0	--	<10
16N 05+50 W	201	68	1	153	0.1	--	<10
16N 06+00 W	201	25	1	98	0.9	--	<10
16N 06+50 W	201	65	1	485	0.7	--	<10
16N 07+00 W	201	39	1	78	0.4	--	20
16N 07+50 W	201	24	1	76	0.2	--	<10
16N 08+00 W	201	31	1	82	0.3	--	<10
16N 08+50 W	201	26	1	63	0.5	--	<10
16N 09+00 W	201	25	1	85	0.3	--	<10
16N 09+50 W	201	25	1	93	0.1	--	<10
16N 10+00 W	201	16	1	52	0.1	--	<10
16N 10+50 W	201	22	1	80	0.3	--	20
16N 11+00 W	201	70	1	103	0.1	--	10
16N 11+50 W	201	60	1	70	0.1	--	<10
16N 12+00 W	201	72	1	90	0.2	--	10
16N 12+50 W	201	46	1	75	0.2	--	10
16N 13+00 W	201	35	1	96	0.2	--	<10
16N 13+50 W	201	27	6	56	0.3	--	<10
16N 14+00 W	201	71	1	145	0.3	--	20
16N 14+50 W	201	69	2	140	0.2	--	10
16N 15+00 W	201	111	1	146	0.5	--	20
16N 15+50 W	201	80	1	34	0.6	--	10
16N 16+00 W	201	23	1	100	0.1	--	10
16N 16+50 W	201	37	1	108	0.3	--	<10
16N 17+50 W	203	48	1	60	0.1	--	10
16N 18+00 W	201	67	1	118	0.2	--	20

*Hart Bechler*

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-004-B  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

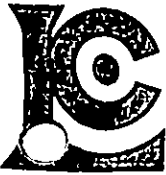
Sample description	Prep code	Hg ppb							
14N 22+00 W	201	70	---	---	---	---	---	---	---
14N 22+50 W	201	30	---	---	---	---	---	---	---
14N 23+00 W	201	40	---	---	---	---	---	---	---
14N 23+50 W	201	20	---	---	---	---	---	---	---
14N 24+00 W	201	30	---	---	---	---	---	---	---
16N 00+50 W	201	--	---	---	---	---	---	---	---
16N 01+00 W	201	--	---	---	---	---	---	---	---
16N 01+50 W	201	--	---	---	---	---	---	---	---
16N 02+00 W	201	--	---	---	---	---	---	---	---
16N 02+50 W	201	--	---	---	---	---	---	---	---
16N 03+00 W	201	--	---	---	---	---	---	---	---
16N 03+50 W	201	--	---	---	---	---	---	---	---
16N 04+00 W	201	--	---	---	---	---	---	---	---
16N 04+50 W	201	--	---	---	---	---	---	---	---
16N 05+00 W	201	--	---	---	---	---	---	---	---
16N 05+50 W	201	--	---	---	---	---	---	---	---
16N 06+00 W	201	--	---	---	---	---	---	---	---
16N 06+50 W	201	--	---	---	---	---	---	---	---
16N 07+00 W	201	--	---	---	---	---	---	---	---
16N 07+50 W	201	--	---	---	---	---	---	---	---
16N 08+00 W	201	--	---	---	---	---	---	---	---
16N 08+50 W	201	--	---	---	---	---	---	---	---
16N 09+00 W	201	--	---	---	---	---	---	---	---
16N 09+50 W	201	--	---	---	---	---	---	---	---
16N 10+00 W	201	--	---	---	---	---	---	---	---
16N 10+50 W	201	--	---	---	---	---	---	---	---
16N 11+00 W	201	--	---	---	---	---	---	---	---
16N 11+50 W	201	--	---	---	---	---	---	---	---
16N 12+00 W	201	--	---	---	---	---	---	---	---
16N 12+50 W	201	--	---	---	---	---	---	---	---
16N 13+00 W	201	--	---	---	---	---	---	---	---
16N 13+50 W	201	--	---	---	---	---	---	---	---
16N 14+00 W	201	--	---	---	---	---	---	---	---
16N 14+50 W	201	--	---	---	---	---	---	---	---
16N 15+00 W	201	--	---	---	---	---	---	---	---
16N 15+50 W	201	--	---	---	---	---	---	---	---
16N 16+00 W	201	--	---	---	---	---	---	---	---
16N 16+50 W	201	--	---	---	---	---	---	---	---
16N 17+50 W	203	--	---	---	---	---	---	---	---
16N 18+00 W	201	--	---	---	---	---	---	---	---

*Hart Bichler*

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114135-005-A  
 INVOICE # : I8114135  
 DATE : 19-OCT-81  
 P.O. # : NONE  
 NE-BC RECON

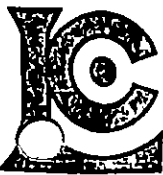
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
16N 18+50 W	201	20	1	90	0.2	--	<10
16N 19+00 W	201	29	1	108	0.1	--	<10
16N 19+50 W	201	39	1	105	0.1	--	10
16N 20+00 W	203	111	1	75	0.5	--	10
16N 20+50 W	201	13	1	78	0.1	--	10
16N 21+00 W	201	22	1	45	0.2	--	20
16N 21+50 W	201	60	1	70	0.3	--	20
16N 22+00 W	201	36	1	93	0.1	--	<10
16N 22+50 W	201	28	1	75	0.2	--	<10
16N 23+00 W	201	52	1	100	0.3	--	<10
16N 23+50 W	201	27	1	88	0.1	--	<10
16N 24+00 W	201	23	1	80	0.1	--	<10
18N 00+50 W	201	19	1	37	0.2	9	<10
18N 01+00 W	201	53	1	45	0.4	25	<10
18N 01+50 W	201	25	1	60	0.2	14	<10
18N 02+00 W	201	24	1	45	0.2	17	<10
18N 02+50 W	201	68	1	37	0.2	14	<10
18N 03+00 W	201	86	1	46	0.2	19	<10
18N 03+50 W	201	42	1	80	0.3	16	<10
18N 04+00 W	201	24	1	78	0.2	12	<10
18N 04+50 W	201	32	1	95	0.1	11	<10
18N 05+00 W	201	31	1	96	0.2	9	<10
18N 05+50 W	201	47	1	66	0.1	20	<10
18N 06+00 W	201	35	3	102	0.1	20	<10
18N 06+50 W	201	57	3	70	0.3	22	<10
18N 07+00 W	201	111	1	79	1.8	32	<10
18N 07+50 W	203	25	1	108	0.3	9	<10
18N 08+00 W	203	26	1	72	0.1	9	<10
18N 08+50 W	201	40	1	88	0.3	20	<10
18N 09+00 W	201	29	2	91	0.2	12	<10
18N 09+50 W	201	17	1	152	0.1	11	<10
18N 10+00 W	203	21	1	37	0.1	9	<10
18N 10+50 W	201	26	1	98	0.2	6	<10
18N 11+00 W	201	33	1	90	0.2	6	<10
18N 11+50 W	201	38	1	93	0.1	7	<10
18N 12+00 W	201	46	1	80	0.4	6	<10
18N 12+50 W	201	35	1	102	0.1	6	<10
18N 13+00 W	201	36	1	90	0.1	9	<10
18N 13+50 W	201	72	1	154	0.1	20	<10
18N 14+00 W	201	76	1	115	0.1	27	<10

*Hart Buchler*

Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
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CANADA V7J 2C1  
TELEPHONE (604)984-0221  
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-005-B  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb							
16N 18+50 W	201	--	--	--	--	--	--	--	--
16N 19+00 W	201	--	--	--	--	--	--	--	--
16N 19+50 W	201	--	--	--	--	--	--	--	--
16N 20+00 W	203	--	--	--	--	--	--	--	--
16N 20+50 W	201	--	--	--	--	--	--	--	--
16N 21+00 W	201	--	--	--	--	--	--	--	--
16N 21+50 W	201	--	--	--	--	--	--	--	--
16N 22+00 W	201	--	--	--	--	--	--	--	--
16N 22+50 W	201	--	--	--	--	--	--	--	--
16N 23+00 W	201	--	--	--	--	--	--	--	--
16N 23+50 W	201	--	--	--	--	--	--	--	--
16N 24+00 W	201	--	--	--	--	--	--	--	--
18N 00+50 W	201	50	--	--	--	--	--	--	--
18N 01+00 W	201	90	--	--	--	--	--	--	--
16N 01+50 W	201	70	--	--	--	--	--	--	--
18N 02+00 W	201	70	--	--	--	--	--	--	--
18N 02+50 W	201	160	--	--	--	--	--	--	--
18N 03+00 W	201	110	--	--	--	--	--	--	--
18N 03+50 W	201	170	--	--	--	--	--	--	--
18N 04+00 W	201	110	--	--	--	--	--	--	--
18N 04+50 W	201	60	--	--	--	--	--	--	--
18N 05+00 W	201	60	--	--	--	--	--	--	--
18N 05+50 W	201	140	--	--	--	--	--	--	--
18N 06+00 W	201	130	--	--	--	--	--	--	--
18N 06+50 W	201	110	--	--	--	--	--	--	--
18N 07+00 W	201	460	--	--	--	--	--	--	--
18N 07+50 W	203	100	--	--	--	--	--	--	--
18N 08+00 W	203	80	--	--	--	--	--	--	--
18N 08+50 W	201	110	--	--	--	--	--	--	--
18N 09+00 W	201	60	--	--	--	--	--	--	--
18N 09+50 W	201	90	--	--	--	--	--	--	--
18N 10+00 W	203	130	--	--	--	--	--	--	--
18N 10+50 W	201	60	--	--	--	--	--	--	--
18N 11+00 W	201	40	--	--	--	--	--	--	--
18N 11+50 W	201	50	--	--	--	--	--	--	--
18N 12+00 W	201	100	--	--	--	--	--	--	--
18N 12+50 W	201	50	--	--	--	--	--	--	--
18N 13+00 W	201	40	--	--	--	--	--	--	--
18N 13+50 W	201	50	--	--	--	--	--	--	--
18N 14+00 W	201	60	--	--	--	--	--	--	--

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114135-006-A  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

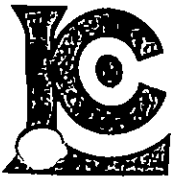
ATTN: P. BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
18N 14+50 W	201	94	1	128	0.1	12	<10
18N 15+00 W	201	98	1	140	0.1	19	<10
18N 16+00 W	201	127	1	110	0.1	16	<10
18N 16+50 W	201	45	1	57	0.1	50	<10
18N 17+00 W	203	18	1	57	0.1	6	<10
18N 17+50 W	201	26	1	82	0.1	17	<10
18N 18+00 W	201	19	1	60	0.1	19	<10
18N 18+50 W	201	53	1	72	0.1	16	10
18N 19+00 W	201	22	1	92	0.1	7	<10
18N 20+00 W	201	25	1	76	0.1	16	10
18N 20+50 W	201	32	1	108	0.1	11	<10
18N 21+00 W	201	53	1	140	0.1	9	<10
18N 22+50 W	203	30	2	8	0.1	73	<10
18N 23+00 W	203	17	10	12	0.1	590	<10
18N 23+50 W	201	92	1	98	0.2	15	<10
20N 00+50 W	201	34	1	70	0.2	22	<10
20N 01+00 W	201	143	1	54	0.8	16	<10
20N 01+50 W	201	36	1	92	0.1	16	<10
20N 02+00 W	201	53	1	72	0.1	12	<10
20N 02+50 W	201	31	1	95	0.1	14	<10
20N 03+00 W	201	53	1	75	0.2	16	<10
20N 03+50 W	201	30	1	75	0.1	12	<10
20N 04+00 W	201	45	1	70	0.1	19	<10
20N 04+50 W	201	28	1	95	0.2	14	<10
20N 05+00 W	201	58	1	95	0.1	22	<10
20N 05+50 W	201	61	1	85	0.1	17	<10
20N 06+00 W	201	85	1	115	0.2	36	<10
20N 06+50 W	201	31	1	98	0.1	10	<10
20N 07+00 W	201	34	1	78	0.1	15	<10
20N 07+50 W	201	40	1	70	0.2	36	<10

Certified by *Hart Bickler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B C  
CANADA V7J 2C1  
TELEPHONE (604)984-0221  
TELEX 043-52597

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TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

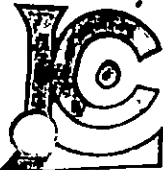
CERT. # : A8114135-006-B  
INVOICE # : I8114135  
DATE : 19-OCT-81  
P.O. # : NONE  
NE-BC RECON

ATTN: P. BURT

Sample description	Prep code	Hg ppb						
18N 14+50 W	201	20	--	--	--	--	--	--
18N 15+00 W	201	30	--	--	--	--	--	--
18N 16+00 W	201	40	--	--	--	--	--	--
18N 16+50 W	201	70	--	--	--	--	--	--
18N 17+00 W	203	20	--	--	--	--	--	--
18N 17+50 W	201	10	--	--	--	--	--	--
18N 18+00 W	201	20	--	--	--	--	--	--
18N 18+50 W	201	30	--	--	--	--	--	--
18N 19+00 W	201	20	--	--	--	--	--	--
18N 20+00 W	201	10	--	--	--	--	--	--
18N 20+50 W	201	30	--	--	--	--	--	--
18N 21+00 W	201	30	--	--	--	--	--	--
18N 22+50 W	203	60	--	--	--	--	--	--
18N 23+00 W	203	120	--	--	--	--	--	--
18N 23+50 W	201	20	--	--	--	--	--	--
20N 00+50 W	201	20	--	--	--	--	--	--
20N 01+00 W	201	40	--	--	--	--	--	--
20N 01+50 W	201	30	--	--	--	--	--	--
20N 02+00 W	201	10	--	--	--	--	--	--
20N 02+50 W	201	10	--	--	--	--	--	--
20N 03+00 W	201	60	--	--	--	--	--	--
20N 03+50 W	201	40	--	--	--	--	--	--
20N 04+00 W	201	30	--	--	--	--	--	--
20N 04+50 W	201	60	--	--	--	--	--	--
20N 05+00 W	201	70	--	--	--	--	--	--
20N 05+50 W	201	40	--	--	--	--	--	--
20N 06+00 W	201	50	--	--	--	--	--	--
20N 06+50 W	201	40	--	--	--	--	--	--
20N 07+00 W	201	50	--	--	--	--	--	--
20N 07+50 W	201	90	--	--	--	--	--	--

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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114099-001-A  
 INVOICE # : 18114099  
 DATE : 14-OCT-81  
 P.O. # : NONE  
~~N. B. BURT~~ RECON

*WHDK*

ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
NOOSBL 00+50 W	201	44	3	66	0.1	6	<10
NOOSBL 01+00 W	201	31	1	50	0.1	6	<10
NOOSBL 01+50 W	201	35	2	55	0.1	6	<10
NOOSBL 02+00 W	201	42	1	46	0.2	7	<10
NOOSBL 02+50 W	201	21	1	24	0.1	2	<10
NOOSBL 03+00 W	201	35	1	50	0.1	5	<10
NOOSBL 03+50 W	201	19	1	50	0.2	5	<10
NOOSBL 04+00 W	201	23	1	43	0.1	4	<10
NOOSBL 04+50 W	201	29	1	64	0.1	5	<10
NOOSBL 05+00 W	201	24	1	52	0.1	5	<10
NOOSBL 05+50 W	201	21	1	36	0.1	4	<10
NOOSBL 06+00 W	201	26	1	58	0.1	6	<10
NOOSBL 06+50 W	201	27	1	52	0.1	6	<10
NOOSBL 07+00 W	201	22	1	58	0.2	5	<10
NOOSBL 07+50 W	201	38	1	80	0.1	7	<10
NOOSBL 08+00 W	201	19	1	152	0.1	6	<10
NOOSBL 08+50 W	201	32	1	174	0.1	10	<10
NOOSBL 09+00 W	201	48	1	60	0.1	4	<10
NOOSBL 09+50 W	201	42	1	57	0.1	3	<10
NOOSBL 10+00 W	201	27	1	58	0.1	3	<10
E00WBL 00+50 N	201	124	1	38	0.3	5	<10
E00WBL 02+00 N	201	39	1	48	0.2	7	<10
E00WBL 02+50 N	201	33	1	80	0.1	10	<10
E00WBL 03+00 N	201	35	1	72	0.1	9	<10
E00WBL 03+50 N	201	33	1	65	0.1	7	<10
E00WBL 04+00 N	201	23	1	48	0.1	9	<10
E00WBL 04+50 N	201	33	1	68	0.3	6	<10
E00WBL 05+00 N	201	23	1	65	0.1	11	20
E00WBL 05+50 N	201	46	1	75	0.1	11	<10
E00WBL 06+00 N A	201	58	1	116	0.3	6	<10
E00WBL 06+00 N B	201	30	1	73	0.1	7	20
E00WBL 06+50 N A	201	47	1	78	0.2	6	<10
E00WBL 06+50 N B	201	49	1	90	0.1	9	<10
E00WBL 07+00 N	201	29	1	70	0.1	9	<10
E00WBL 07+50 N	201	28	1	70	0.1	9	<10
E00WBL 08+00 N	201	17	7	18	0.1	4	<10
E00WBL 08+50 N	201	53	1	110	0.1	5	<10
E00WBL 09+00 N	201	39	1	95	0.1	6	<10
E00WBL 09+50 N	201	58	1	140	0.1	41	<10
E00WBL 10+00 N	201	46	1	190	0.1	11	<10

Certified by *Hart Bichler*



MEMBER  
 CANADIAN TESTING  
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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER B C  
CANADA V7J 2C1

TELEPHONE (604)984-0221  
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : UTAH MINES LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-001-B  
INVOICE # : 18114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
NOOSBL 00+50 W	201	50	--	--	--	--	--	--
NOOSBL 01+00 W	201	50	--	--	--	--	--	--
NOOSBL 01+50 W	201	30	--	--	--	--	--	--
NOOSBL 02+00 W	201	30	--	--	--	--	--	--
NOOSBL 02+50 W	201	40	--	--	--	--	--	--
NOOSBL 03+00 W	201	30	--	--	--	--	--	--
NOOSBL 03+50 W	201	30	--	--	--	--	--	--
NOOSBL 04+00 W	201	30	--	--	--	--	--	--
NOOSBL 04+50 W	201	30	--	--	--	--	--	--
NOOSBL 05+00 W	201	30	--	--	--	--	--	--
NOOSBL 05+50 W	201	30	--	--	--	--	--	--
NOOSBL 06+00 W	201	30	--	--	--	--	--	--
NOOSBL 06+50 W	201	40	--	--	--	--	--	--
NOOSBL 07+00 W	201	30	--	--	--	--	--	--
NOOSBL 07+50 W	201	30	--	--	--	--	--	--
NOOSBL 08+00 W	201	30	--	--	--	--	--	--
NOOSBL 08+50 W	201	30	--	--	--	--	--	--
NOOSBL 09+00 W	201	50	--	--	--	--	--	--
NOOSBL 09+50 W	201	20	--	--	--	--	--	--
NOOSBL 10+00 W	201	20	--	--	--	--	--	--
E00WBL 00+50 N	201	30	--	--	--	--	--	--
E00WBL 02+00 N	201	10	--	--	--	--	--	--
E00WBL 02+50 N	201	20	--	--	--	--	--	--
E00WBL 03+00 N	201	50	--	--	--	--	--	--
E00WBL 03+50 N	201	30	--	--	--	--	--	--
E00WBL 04+00 N	201	30	--	--	--	--	--	--
E00WBL 04+50 N	201	30	--	--	--	--	--	--
E00WBL 05+00 N	201	50	--	--	--	--	--	--
E00WBL 05+50 N	201	50	--	--	--	--	--	--
E00WBL 06+00 N A	201	50	--	--	--	--	--	--
E00WBL 06+00 N B	201	30	--	--	--	--	--	--
E00WBL 06+50 N A	201	40	--	--	--	--	--	--
E00WBL 06+50 N B	201	30	--	--	--	--	--	--
E00WBL 07+00 N	201	30	--	--	--	--	--	--
E00WBL 07+50 N	201	30	--	--	--	--	--	--
E00WBL 08+00 N	201	70	--	--	--	--	--	--
E00WBL 08+50 N	201	50	--	--	--	--	--	--
E00WBL 09+00 N	201	40	--	--	--	--	--	--
E00WBL 09+50 N	201	50	--	--	--	--	--	--
E00WBL 10+00 N	201	30	--	--	--	--	--	--

*Hart Buchler*

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE (604)984-0221  
 TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114099-002-A  
 INVOICE # : 18114099  
 DATE : 14-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
E00WBL 10+50 N	201	30	1	124	0.1	6	<10
E00WBL 11+00 N	201	35	1	112	0.1	11	<10
E00WBL 11+50 N	201	28	1	92	0.1	6	<10
E00WBL 12+00 N	201	58	1	75	0.1	12	<10
E00WBL 12+50 N	201	73	1	78	0.1	10	<10
E00WBL 13+00 N	201	57	1	76	0.1	10	20
E00WBL 13+50 N	201	83	1	190	0.1	22	<10
E00WBL 14+00 N	201	60	1	86	0.1	10	<10
E00WBL 14+50 N	201	53	1	143	0.1	9	<10
E00WBL 15+00 N	201	37	1	120	0.1	7	<10
E00WBL 15+50 N	201	36	1	70	0.1	9	<10
E00WBL 16+00 N	201	48	1	93	0.1	11	<10
E00WBL 16+50 N	201	33	1	115	0.1	7	<10
E00WBL 17+00 N	201	46	1	40	0.1	11	<10
E00WBL 17+50 N	201	38	1	45	0.1	9	<10
E00WBL 18+00 N	201	48	1	72	0.3	9	<10
E00WBL 18+50 N	201	31	1	63	0.1	11	<10
E00WBL 19+00 N	201	22	1	40	0.1	6	<10
E00WBL 19+50 N	201	38	1	61	0.1	11	<10
E00WBL 20+00 N	201	34	1	63	0.1	12	<10
E00WBL 00+00 S	201	91	1	64	0.1	7	<10
E00WBL 00+50 S	201	380	1	60	0.1	6	<10
E00WBL 01+00 S	201	34	1	59	0.1	7	<10
E00WBL 01+50 S	201	40	1	56	0.3	6	<10
E00WBL 02+00 S	201	41	1	60	0.3	7	<10
E00WBL 02+50 S	201	30	1	43	0.3	7	<10
E00WBL 03+00 S	201	38	1	50	0.4	7	<10
E00WBL 03+50 S	201	40	1	42	0.4	9	<10
E00WBL 04+00 S	201	37	1	43	0.3	7	<10
E00WBL 04+50 S	201	27	1	31	0.1	6	<10
E00WBL 05+00 S	201	33	1	42	0.1	6	<10
E00WBL 05+50 S	201	38	1	42	0.1	7	<10
E00WBL 06+00 S	201	64	2	45	0.7	6	<10
E00WBL 06+50 S	201	52	3	44	0.6	6	<10
E00WBL 07+00 S	201	126	1	40	0.9	5	<10
E00WBL 07+50 S	201	87	1	52	1.3	7	<10
E00WBL 08+00 S	201	114	1	55	1.8	9	<10
E00WBL 08+50 S	201	46	5	62	0.2	9	<10
E00WBL 09+00 S	201	45	7	60	0.6	9	<10
E00WBL 09+50 S	201	57	10	72	0.3	10	<10

*Phil Burt*

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-002-B  
INVOICE # : I8114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
E00WBL 10+50 N	201	30	--	--	--	--	--	--
E00WBL 11+00 N	201	30	--	--	--	--	--	--
E00WBL 11+50 N	201	40	--	--	--	--	--	--
E00WBL 12+00 N	201	20	--	--	--	--	--	--
E00WBL 12+50 N	201	30	--	--	--	--	--	--
E00WBL 13+00 N	201	40	--	--	--	--	--	--
E00WBL 13+50 N	201	80	--	--	--	--	--	--
E00WBL 14+00 N	201	30	--	--	--	--	--	--
E00WBL 14+50 N	201	30	--	--	--	--	--	--
E00WBL 15+00 N	201	80	--	--	--	--	--	--
E00WBL 15+50 N	201	10	--	--	--	--	--	--
E00WBL 16+00 N	201	10	--	--	--	--	--	--
E00WBL 16+50 N	201	10	--	--	--	--	--	--
E00WBL 17+00 N	201	60	--	--	--	--	--	--
E00WBL 17+50 N	201	30	--	--	--	--	--	--
E00WBL 18+00 N	201	50	--	--	--	--	--	--
E00WBL 18+50 N	201	10	--	--	--	--	--	--
E00WBL 19+00 N	201	20	--	--	--	--	--	--
E00WBL 19+50 N	201	60	--	--	--	--	--	--
E00WBL 20+00 N	201	20	--	--	--	--	--	--
E00WBL 00+00 S	201	20	--	--	--	--	--	--
E00WBL 00+50 S	201	20	--	--	--	--	--	--
E00WBL 01+00 S	201	20	--	--	--	--	--	--
E00WBL 01+50 S	201	20	--	--	--	--	--	--
E00WBL 02+00 S	201	20	--	--	--	--	--	--
E00WBL 02+50 S	201	10	--	--	--	--	--	--
E00WBL 03+00 S	201	10	--	--	--	--	--	--
E00WBL 03+50 S	201	40	--	--	--	--	--	--
E00WBL 04+00 S	201	20	--	--	--	--	--	--
E00WBL 04+50 S	201	20	--	--	--	--	--	--
E00WBL 05+00 S	201	20	--	--	--	--	--	--
E00WBL 05+50 S	201	30	--	--	--	--	--	--
E00WBL 06+00 S	201	30	--	--	--	--	--	--
E00WBL 06+50 S	201	30	--	--	--	--	--	--
E00WBL 07+00 S	201	30	--	--	--	--	--	--
E00WBL 07+50 S	201	30	--	--	--	--	--	--
E00WBL 08+00 S	201	50	--	--	--	--	--	--
E00WBL 08+50 S	201	30	--	--	--	--	--	--
E00WBL 09+00 S	201	30	--	--	--	--	--	--
E00WBL 09+50 S	201	20	--	--	--	--	--	--

Certified by *Heinz 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 LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114099-003-A  
 INVOICE # : I8114099  
 DATE : 14-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
E00WBL 10+00 S	201	65	17	52	0.3-	9	<10
E00WBL 10+50 S	201	29	3	45	0.2-	3	<10
E00WBL 11+00 S	201	41	2	62	0.2-	5	<10
E00WBL 11+50 S	201	38	11	49	0.3-	7	<10
E00WBL 12+00 S	201	56	4	55	0.6-	9	<10
E00WBL 12+50 S	201	36	10	45	0.2-	4	<10
E00WBL 13+00 S	201	35	14	40	0.2-	4	<10
E00WBL 13+50 S	201	57	53	65	1.2	7	<10
E00WBL 14+00 S	201	58	17	85	0.5-	7	<10
E00WBL 14+50 S	201	52	15	56	0.5-	5	<10
E00WBL 15+00 S	201	43	13	52	0.5-	6	<10
E00WBL 15+50 S	201	37	19	46	0.6-	4	<10
E00WBL 16+00 S	201	39	14	48	0.2-	5	<10
E00WBL 16+50 S	201	85	7	60	0.5-	5	<10
E00WBL 17+00 S	201	80	2	58	0.2-	4	<10
E00WBL 17+50 S	201	54	11	38	0.3-	4	<10
E00WBL 19+50 S	201	111	8	85	0.4-	7	<10
E00WBL 20+00 S	201	106	17	75	0.2-	7	<10
E00WBL 20+50 S	201	141	36	80	0.3-	7	<10
E00WBL 21+00 S	201	265	7	120	0.1-	10	20
E00WBL 21+50 S	201	39	25	43	0.2-	4	<10
E00WBL 22+00 S	201	92	14	66	0.1-	7	<10
E00WBL 22+50 S	201	120	90	130	0.1-	4	<10
E00WBL 23+00 S	201	525	7	205	0.1-	14	<10
E00WBL 23+50 S	201	78	10	92	0.3-	6	<10
E00WBL 24+00 S	201	143	3	145	0.2-	15	<10
1N 00+50 W	201	27	1	66	0.1-	6	<10
1N 01+00 W	201	31	2	62	0.4-	9	<10
1N 01+50 W	201	20	2	50	0.2-	7	10
1N 02+00 W	201	44	1	66	1.0	11	10
1N 02+50 W	201	20	1	32	0.3-	7	<10
1N 03+00 W	201	36	1	60	0.1-	10	<10
1N 03+50 W	201	9	1	15	0.1	4	<10
1N 04+00 W	201	20	2	48	0.1	10	<10
1N 04+50 W	201	42	1	60	0.7-	22	<10
1N 05+00 W	201	14	2	24	0.3-	5	<10
1N 05+50 W	201	24	2	50	0.3	15	<10
1N 06+00 W	201	24	2	60	0.3-	11	20
1N 06+50 W	201	20	2	35	0.3-	6	<10
1N 07+00 W	201	24	1	58	0.3-	11	<10

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

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114099-003-B  
 INVOICE # : I8114099  
 DATE : 14-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb							
E00WBL 10+00 S	201	30	--	--	--	--	--	--	--
E00WBL 10+50 S	201	40	--	--	--	--	--	--	--
E00WBL 11+00 S	201	20	--	--	--	--	--	--	--
E00WBL 11+50 S	201	40	--	--	--	--	--	--	--
E00WBL 12+00 S	201	40	--	--	--	--	--	--	--
E00WBL 12+50 S	201	30	--	--	--	--	--	--	--
E00WBL 13+00 S	201	30	--	--	--	--	--	--	--
E00WBL 13+50 S	201	30	--	--	--	--	--	--	--
E00WBL 14+00 S	201	20	--	--	--	--	--	--	--
E00WBL 14+50 S	201	320	--	--	--	--	--	--	--
E00WBL 15+00 S	201	40	--	--	--	--	--	--	--
E00WBL 15+50 S	201	20	--	--	--	--	--	--	--
E00WBL 16+00 S	201	30	--	--	--	--	--	--	--
E00WBL 16+50 S	201	10	--	--	--	--	--	--	--
E00WBL 17+00 S	201	30	--	--	--	--	--	--	--
E00WBL 17+50 S	201	N.S.S.	--	--	--	--	--	--	--
E00WBL 19+50 S	201	10	--	--	--	--	--	--	--
E00WBL 20+00 S	201	10	--	--	--	--	--	--	--
E00WBL 20+50 S	201	20	--	--	--	--	--	--	--
E00WBL 21+00 S	201	30	--	--	--	--	--	--	--
E00WBL 21+50 S	201	20	--	--	--	--	--	--	--
E00WBL 22+00 S	201	20	--	--	--	--	--	--	--
E00WBL 22+50 S	201	30	--	--	--	--	--	--	--
E00WBL 23+00 S	201	40	--	--	--	--	--	--	--
E00WBL 23+50 S	201	30	--	--	--	--	--	--	--
E00WBL 24+00 S	201	40	--	--	--	--	--	--	--
1N 00+50 W	201	50	--	--	--	--	--	--	--
1N 01+00 W	201	40	--	--	--	--	--	--	--
1N 01+50 W	201	40	--	--	--	--	--	--	--
1N 02+00 W	201	310	--	--	--	--	--	--	--
1N 02+50 W	201	70	--	--	--	--	--	--	--
1N 03+00 W	201	70	--	--	--	--	--	--	--
1N 03+50 W	201	40	--	--	--	--	--	--	--
1N 04+00 W	201	40	--	--	--	--	--	--	--
1N 04+50 W	201	50	--	--	--	--	--	--	--
1N 05+00 W	201	30	--	--	--	--	--	--	--
1N 05+50 W	201	60	--	--	--	--	--	--	--
1N 06+00 W	201	30	--	--	--	--	--	--	--
1N 06+50 W	201	40	--	--	--	--	--	--	--
1N 07+00 W	201	30	--	--	--	--	--	--	--

*Hart Buchler*

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-004-A  
INVOICE # : I8114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

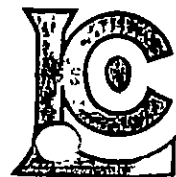
ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
1N 07+50 W	201	13	1	38	0.2	6	<10
1N 08+00 W	201	35	1	53	0.2	11	<10
1N 08+50 W	201	44	1	57	0.2	9	<10
1N 09+00 W	201	45	1	53	0.1	12	<10
1N 09+50 W	201	18	1	33	0.3	4	<10
1N 10+00 W	201	22	1	52	0.1	5	<10
L2S 00+50 W	201	39	1	60	0.3	5	<10
L2S 01+00 W	201	32	1	62	0.5	5	10
L2S 01+50 W	201	37	1	58	0.5	9	<10
L2S 02+00 W	201	30	2	52	0.2	6	<10
L2S 02+50 W	201	38	2	60	0.2	10	<10
L2S 03+00 W	201	34	1	50	0.3	7	<10
L2S 03+50 W	201	33	1	95	0.2	7	<10
L2S 04+00 W	201	28	2	65	0.3	10	<10
L2S 04+50 W	201	18	1	42	0.2	7	<10
L2S 05+00 W	201	24	1	60	0.1	11	20
L2S 05+50 W	201	16	1	49	0.1	10	<10
L2S 06+00 W	201	23	1	56	0.2	10	<10
L2S 06+50 W	201	24	1	40	0.2	11	<10
L2S 07+00 W	201	16	2	45	1.0	14	<10
L2S 07+50 W	201	28	1	48	0.5	10	<10
L2S 08+00 W	201	18	2	43	0.2	11	<10
L2S 08+50 W	201	6	1	5	0.4	4	<10
L2S 09+00 W	201	32	2	50	0.1	11	<10
L2S 09+50 W	201	19	2	35	0.2	7	<10
L2S 10+00 W	201	23	1	42	0.1	9	<10
3+00N 00+50E	201	34	1	70	0.3	14	<10
3+00N 01+00E	201	59	1	85	0.3	16	<10
3+00N 01+50E	201	35	1	50	0.4	7	<10
3+00N 02+00E	201	40	2	68	0.1	9	<10
3+00N 02+50E	201	36	2	52	0.1	9	<10
3+00N 03+00E	201	60	1	58	0.2	7	<10
3+00N 03+50E	201	37	1	70	0.2	7	<10
3+00N 04+00E	201	36	1	70	0.2	9	<10
3+00N 04+50E	201	31	1	65	0.2	10	<10
3+00N 05+00E	201	65	1	83	0.2	16	<10
3+00N 05+50E	201	38	2	51	0.8	6	<10
3+00N 06+00E	201	40	2	62	0.2	9	<10
3+00N 06+50E	201	40	2	78	0.1	11	<10
3+00N 07+00E	201	41	1	76	0.1	10	<10

Certified by *Paul Bickler*



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-004-B  
INVOICE # : I8114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
1N 07+50 W	201	20	--	--	--	--	--	--
1N 08+00 W	201	20	--	--	--	--	--	--
1N 08+50 W	201	40	--	--	--	--	--	--
1N 09+00 W	201	30	--	--	--	--	--	--
1N 09+50 W	201	40	--	--	--	--	--	--
1N 10+00 W	201	30	--	--	--	--	--	--
L2S 00+50 W	201	30	--	--	--	--	--	--
L2S 01+00 W	201	40	--	--	--	--	--	--
L2S 01+50 W	201	40	--	--	--	--	--	--
L2S 02+00 W	201	50	--	--	--	--	--	--
L2S 02+50 W	201	50	--	--	--	--	--	--
L2S 03+00 W	201	40	--	--	--	--	--	--
L2S 03+50 W	201	30	--	--	--	--	--	--
L2S 04+00 W	201	50	--	--	--	--	--	--
L2S 04+50 W	201	30	--	--	--	--	--	--
L2S 05+00 W	201	30	--	--	--	--	--	--
L2S 05+50 W	201	30	--	--	--	--	--	--
L2S 06+00 W	201	30	--	--	--	--	--	--
L2S 06+50 W	201	30	--	--	--	--	--	--
L2S 07+00 W	201	40	--	--	--	--	--	--
L2S 07+50 W	201	40	--	--	--	--	--	--
L2S 08+00 W	201	30	--	--	--	--	--	--
L2S 08+50 W	201	20	--	--	--	--	--	--
L2S 09+00 W	201	40	--	--	--	--	--	--
L2S 09+50 W	201	20	--	--	--	--	--	--
L2S 10+00 W	201	30	--	--	--	--	--	--
3+00N 00+50E	201	30	--	--	--	--	--	--
3+00N 01+00E	201	20	--	--	--	--	--	--
3+00N 01+50E	201	20	--	--	--	--	--	--
3+00N 02+00E	201	20	--	--	--	--	--	--
3+00N 02+50E	201	30	--	--	--	--	--	--
3+00N 03+00E	201	70	--	--	--	--	--	--
3+00N 03+50E	201	20	--	--	--	--	--	--
3+00N 04+00E	201	30	--	--	--	--	--	--
3+00N 04+50E	201	30	--	--	--	--	--	--
3+00N 05+00E	201	20	--	--	--	--	--	--
3+00N 05+50E	201	40	--	--	--	--	--	--
3+00N 06+00E	201	30	--	--	--	--	--	--
3+00N 06+50E	201	30	--	--	--	--	--	--
3+00N 07+00E	201	40	--	--	--	--	--	--

Certified by *Hart Bickler*





# 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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-005-A  
INVOICE # : I8114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
3+00N 07+50E	201	56	1	80	0.1	19	<10
3+00N 08+00E	201	54	1	98	0.3	22	<10
3+00N 08+50E	201	37	2	64	0.1	7	<10
3+00N 09+00E	201	39	1	89	0.1	12	<10
3+00N 09+50E	201	69	1	143	0.1	20	<10
3+00N 10+00E	201	81	2	92	0.9	48	<10
4+00N 00+50E	201	26	1	71	0.1	16	<10
4+00N 01+00E	201	21	2	65	0.3	16	<10
L4S 00+50 W	201	35	2	45	0.2	7	<10
L4S 01+00 W	201	39	1	50	0.2	9	<10
L4S 01+50 W	201	44	1	48	0.3	11	<10
L4S 02+00 W	201	37	2	45	0.2	7	<10
L4S 02+50 W	201	26	1	59	0.1	7	<10
L4S 03+00 W	201	30	1	55	0.2	7	<10
L4S 03+50 W	201	39	6	52	0.2	6	<10
L4S 04+00 W	201	41	7	50	0.2	9	<10
L4S 04+50 W	201	37	6	45	0.1	7	<10
L4S 05+00 W	201	38	4	50	0.1	7	<10
L4S 05+50 W	201	21	2	30	0.1	5	<10
L4S 06+00 W	201	38	5	42	0.1	6	<10
L4S 06+50 W	201	40	4	39	0.1	7	<10
L4S 07+00 W	201	32	4	43	0.1	10	<10
L4S 07+50 W	201	23	3	36	0.2	6	<10
L4S 08+00 W	201	30	2	40	0.1	9	<10
L4S 08+50 W	201	26	5	55	0.2	6	<10
L4S 09+00 W	201	20	2	23	0.1	5	<10
L4S 09+50 W	201	53	2	48	0.5	4	<10
L4S 10+00 W	201	44	2	52	0.5	7	<10
5+00N 03+50 E	201	61	1	68	0.1	12	<10
5+00N 04+00 E	201	41	2	68	0.1	11	<10
5+00N 04+50 E	201	44	1	62	0.1	14	<10
5+00N 05+00 E	201	57	4	75	0.2	14	<10
5+00N 05+50 E	201	45	3	45	0.1	11	<10
5+00N 06+50 E	201	50	1	65	0.1	10	<10
5+00N 07+00 E	201	33	2	60	0.1	6	<10
5+00N 07+50 E	201	34	1	55	0.1	9	<10
5+00N 08+50 E	201	36	1	45	0.2	6	<10
5+00N 09+00 E	201	35	1	54	0.3	10	<10
5+00N 09+50 E	201	54	1	60	0.2	16	<10
5+00N 10+00 E	201	53	1	68	0.1	14	<10

Certified by *Hart Buchler*



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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-005-B  
INVOICE # : I8114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb						
3+00N 07+50E	201	30	--	--	--	--	--	--
3+00N 08+00E	201	30	--	--	--	--	--	--
3+00N 08+50E	201	20	--	--	--	--	--	--
3+00N 09+00E	201	30	--	--	--	--	--	--
3+00N 09+50E	201	40	--	--	--	--	--	--
3+00N 10+00E	201	50	--	--	--	--	--	--
4+00N 00+50E	201	40	--	--	--	--	--	--
4+00N 01+00E	201	30	--	--	--	--	--	--
L4S 00+50 W	201	30	--	--	--	--	--	--
L4S 01+00 W	201	20	--	--	--	--	--	--
L4S 01+50 W	201	30	--	--	--	--	--	--
L4S 02+00 W	201	30	--	--	--	--	--	--
L4S 02+50 W	201	50	--	--	--	--	--	--
L4S 03+00 W	201	40	--	--	--	--	--	--
L4S 03+50 W	201	40	--	--	--	--	--	--
L4S 04+00 W	201	40	--	--	--	--	--	--
L4S 04+50 W	201	50	--	--	--	--	--	--
L4S 05+00 W	201	40	--	--	--	--	--	--
L4S 05+50 W	201	30	--	--	--	--	--	--
L4S 06+00 W	201	30	--	--	--	--	--	--
L4S 06+50 W	201	40	--	--	--	--	--	--
L4S 07+00 W	201	30	--	--	--	--	--	--
L4S 07+50 W	201	30	--	--	--	--	--	--
L4S 08+00 W	201	40	--	--	--	--	--	--
L4S 08+50 W	201	30	--	--	--	--	--	--
L4S 09+00 W	201	30	--	--	--	--	--	--
L4S 09+50 W	201	40	--	--	--	--	--	--
L4S 10+00 W	201	40	--	--	--	--	--	--
5+00N 03+50 E	201	30	--	--	--	--	--	--
5+00N 04+00 E	201	30	--	--	--	--	--	--
5+00N 04+50 E	201	30	--	--	--	--	--	--
5+00N 05+00 E	201	40	--	--	--	--	--	--
5+00N 05+50 E	201	40	--	--	--	--	--	--
5+00N 06+50 E	201	30	--	--	--	--	--	--
5+00N 07+00 E	201	50	--	--	--	--	--	--
5+00N 07+50 E	201	40	--	--	--	--	--	--
5+00N 08+50 E	201	40	--	--	--	--	--	--
5+00N 09+00 E	201	40	--	--	--	--	--	--
5+00N 09+50 E	201	40	--	--	--	--	--	--
5+00N 10+00 E	201	30	--	--	--	--	--	--

*John A. Buchler*

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 LTD.  
ATTN: PHIL BURT  
1600-1050 WEST PENDER  
VANCOUVER, B.C.  
V6E 3S7

CERT. # : A8114099-006-A  
INVOICE # : 18114099  
DATE : 14-OCT-81  
P.O. # : NONE  
N.E.-B.C. RECON

ATTN: PHIL BURT

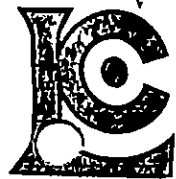
Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	AS ppm	AU-AA ppb
L6S 02+00 W	201	53	1	48	0.1	7	<10
L6S 02+50 W	201	32	1	38	0.2	6	<10
L6S 03+00 W	201	63	1	69	0.6	11	<10
L6S 03+50 W	201	37	1	50	0.4	17	<10
L6S 04+00 W	201	51	1	63	0.3	6	<10
L6S 04+50 W	201	103	8	54	0.4	7	<10
L6S 05+00 W	201	51	2	58	0.2	9	<10
L6S 05+50 W	201	22	2	51	0.1	5	<10
L6S 06+00 W	201	21	1	55	0.1	5	<10
L6S 06+50 W	201	98	235	57	0.2	6	<10
L6S 07+00 W	201	43	7	49	0.3	6	<10
L6S 07+50 W	201	49	6	47	0.5	7	<10
L6S 08+00 W	201	38	2	36	1.1	6	<10
L6S 09+00 W	201	39	1	55	0.3	7	<10
L6S 09+50 W	201	63	4	35	0.1	24	<10
L6S 10+00 W	201	26	2	26	0.6	7	<10
L8S 02+00 E	201	40	1	45	0.2	6	<10
L8S 02+50 E	201	40	1	47	0.3	7	<10
L8S 03+00 E	201	22	1	20	0.5	5	<10
L8S 03+50 E	201	51	1	72	0.4	6	<10
L8S 04+00 E	201	38	1	40	0.6	6	<10
L8S 04+50 E	201	37	1	50	0.1	11	<10
L8S 05+00 E	201	49	1	54	0.1	12	<10
L8S 05+50 E	201	43	1	50	1.1	7	<10
L8S 06+00 E	201	29	1	40	0.2	9	<10
L8S 06+50 E	201	199	1	26	2.9	9	<10
L8S 07+00 E	201	27	1	35	1.2	9	<10
L8S 07+50 E	201	195	1	48	0.2	10	<10
L8S 08+00 E	201	46	1	55	0.6	9	<10
L8S 08+50 E	201	47	1	40	0.6	10	<10
L8S 09+00 E	201	74	1	56	0.2	9	<10
L8S 09+50 E	201	30	1	35	0.1	7	<10
L8S 10+00 E	201	39	1	40	0.3	14	<10
L10S 00+50 E	201	71	3	55	0.3	6	<10
L10S 01+00 E	201	41	1	75	0.2	6	<10
L10S 01+50 E	201	77	1	75	0.2	7	<10
L10S 02+00 E	201	60	1	58	0.1	7	<10
L10S 02+50 E	201	38	1	32	0.1	6	<10
L10S 03+00 E	201	45	1	40	0.4	6	<10
L10S 03+50 E	201	41	1	48	0.1	7	<10

*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

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

TO : UTAH MINES LTD.  
 ATTN: PHIL BURT  
 1600-1050 WEST PENDER  
 VANCOUVER, B.C.  
 V6E 3S7

CERT. # : A8114099-006-8  
 INVOICE # : I8114099  
 DATE : 14-OCT-81  
 P.O. # : NONE  
 N.E.-B.C. RECON

ATTN: PHIL BURT

Sample description	Prep code	Hg ppb					
L6S 02+00 W	201	50	--	--	--	--	--
L6S 02+50 W	201	100	--	--	--	--	--
L6S 03+00 W	201	50	--	--	--	--	--
L6S 03+50 W	201	50	--	--	--	--	--
L6S 04+00 W	201	50	--	--	--	--	--
L6S 04+50 W	201	70	--	--	--	--	--
L6S 05+00 W	201	50	--	--	--	--	--
L6S 05+50 W	201	40	--	--	--	--	--
L6S 06+00 W	201	30	--	--	--	--	--
L6S 06+50 W	201	40	--	--	--	--	--
L6S 07+00 W	201	50	--	--	--	--	--
L6S 07+50 W	201	110	--	--	--	--	--
L6S 08+00 W	201	130	--	--	--	--	--
L6S 09+00 W	201	40	--	--	--	--	--
L6S 09+50 W	201	40	--	--	--	--	--
L6S 10+00 W	201	30	--	--	--	--	--
L8S 02+00 E	201	30	--	--	--	--	--
L8S 02+50 E	201	40	--	--	--	--	--
L8S 03+00 E	201	30	--	--	--	--	--
L8S 03+50 E	201	30	--	--	--	--	--
L8S 04+00 E	201	40	--	--	--	--	--
L8S 04+50 E	201	50	--	--	--	--	--
L8S 05+00 E	201	70	--	--	--	--	--
L8S 05+50 E	201	60	--	--	--	--	--
L8S 06+00 E	201	40	--	--	--	--	--
L8S 06+50 E	201	140	--	--	--	--	--
L8S 07+00 E	201	50	--	--	--	--	--
L8S 07+50 E	201	50	--	--	--	--	--
L8S 08+00 E	201	40	--	--	--	--	--
L8S 08+50 E	201	50	--	--	--	--	--
L8S 09+00 E	201	60	--	--	--	--	--
L8S 09+50 E	201	50	--	--	--	--	--
L8S 10+00 E	201	60	--	--	--	--	--
L10S 00+50 E	201	60	--	--	--	--	--
L10S 01+00 E	201	50	--	--	--	--	--
L10S 01+50 E	201	20	--	--	--	--	--
L10S 02+00 E	201	20	--	--	--	--	--
L10S 02+50 E	201	30	--	--	--	--	--
L10S 03+00 E	201	30	--	--	--	--	--
L10S 03+50 E	201	60	--	--	--	--	--

*Hart Buchler*

Certified by .....



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION



APPENDIX III

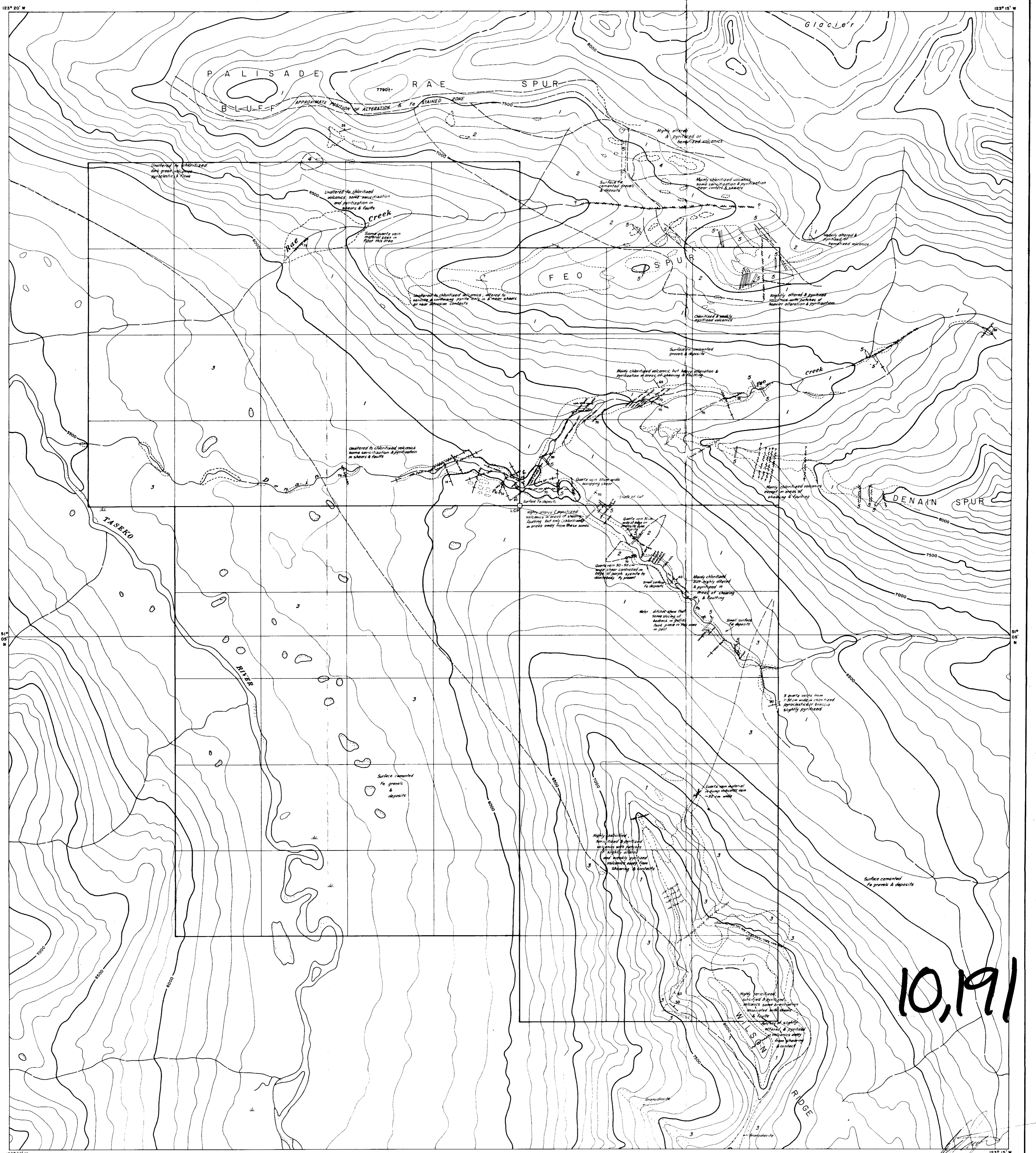
STATEMENT OF COSTS

STATEMENT OF COSTS

PERSONNEL

J.R. Deighton, Sr. Geologist 2 months @ \$3,500.00/Mo.....	\$7,000.00	
P. Burt, Geologist 11 days @ \$88.00/day.....	968.00	
G. Wesa, Geologist 9 days @ \$80.00/day.....	720.00	
M. Pond, Assistant 5 days @ \$64.00/day.....	320.00	
W. Lillies, Assistant 17 days @ \$72.00/day.....	1,224.00	
S. Blezosek, Assistant 16 days @ \$56.00/day.....	896.00	
A. Smith, Assistant 1 day @ \$54.00/day.....	54.00	
R. Gopal, Draftsman 5 days @ \$90.00/day.....	450.00	
TOTAL WAGES.....		<u>\$11,632.00</u>
Camp Costs, (fuel, food, lodging etc...) 79 mandays @ \$45.00/man day.....	3,555.00	
Helicopter .....	9,109.52	
Aviation Fuel.....	1,980.00	
Assaying.....	17,056.00	
Reproductions & Reports.....	123.73	
TOTAL SUPPORT COSTS.....		<u>\$31,824.25</u>
TOTAL COST OF PROGRAM.....		<u>\$43,456.25</u>





10,191

LEGEND

- 5 Dykes feldspar (biotite) porphyry, andesite minor basalt
- 4 Purple volcanics
- 3 Granodiorite
- 2 Porphyritic syenite to diorite
- 1 Volcanics - pyroclastics and flows  
Dark green, and may include some high level intrusives of diorite, syenite and minor sediments

- Geological boundaries (definite, approximate)
- Outcrop boundary
- Fault
- Bedding (inclined, vertical)
- Old adit caved
- Old cut caved
- Legal Corner Post

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- Contours (V.I. = 100 ft.)
- Marsh or swamp

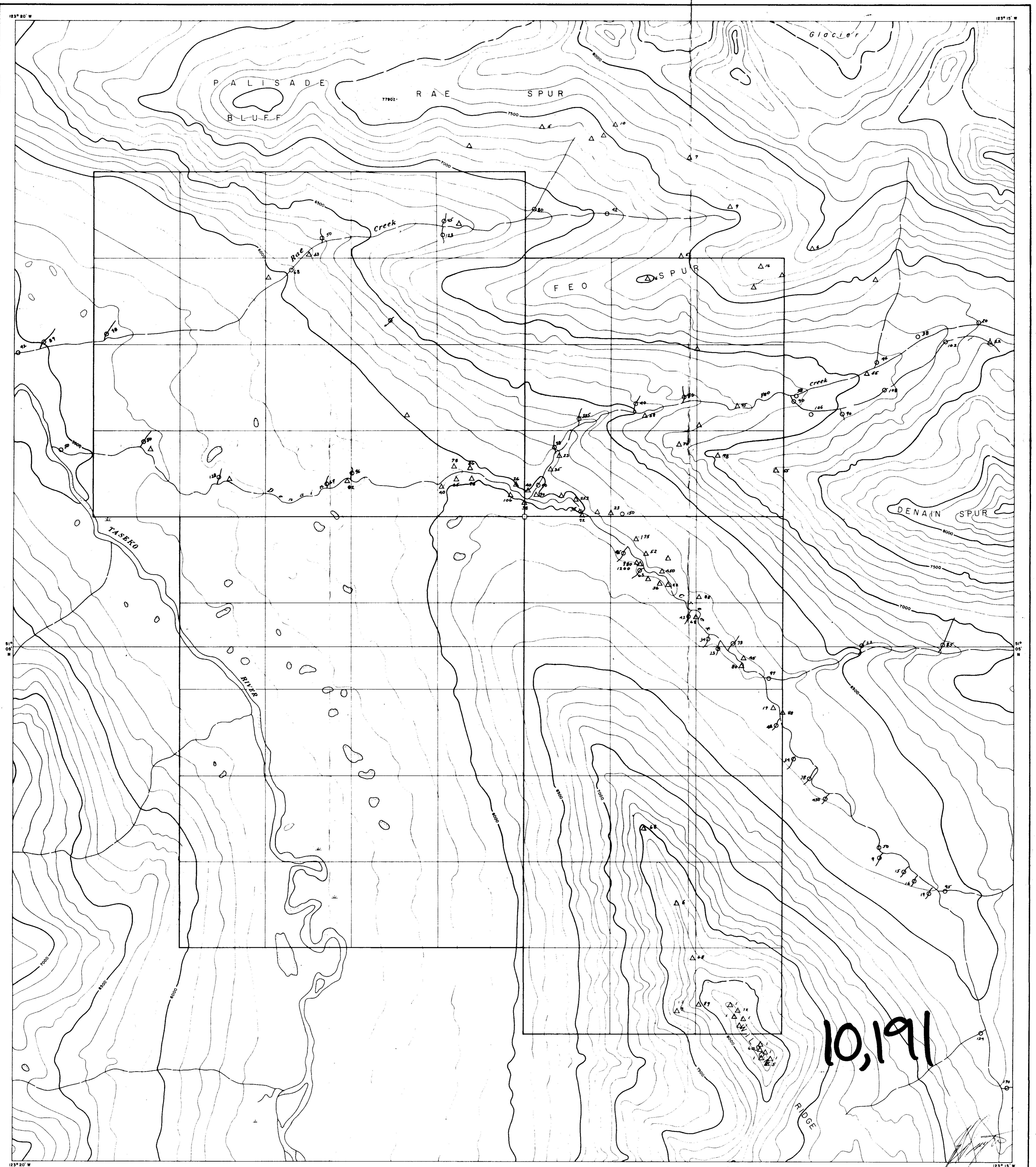
UTAH MINES LTD.  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
WHDB CLAIMS

GEOLOGY

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

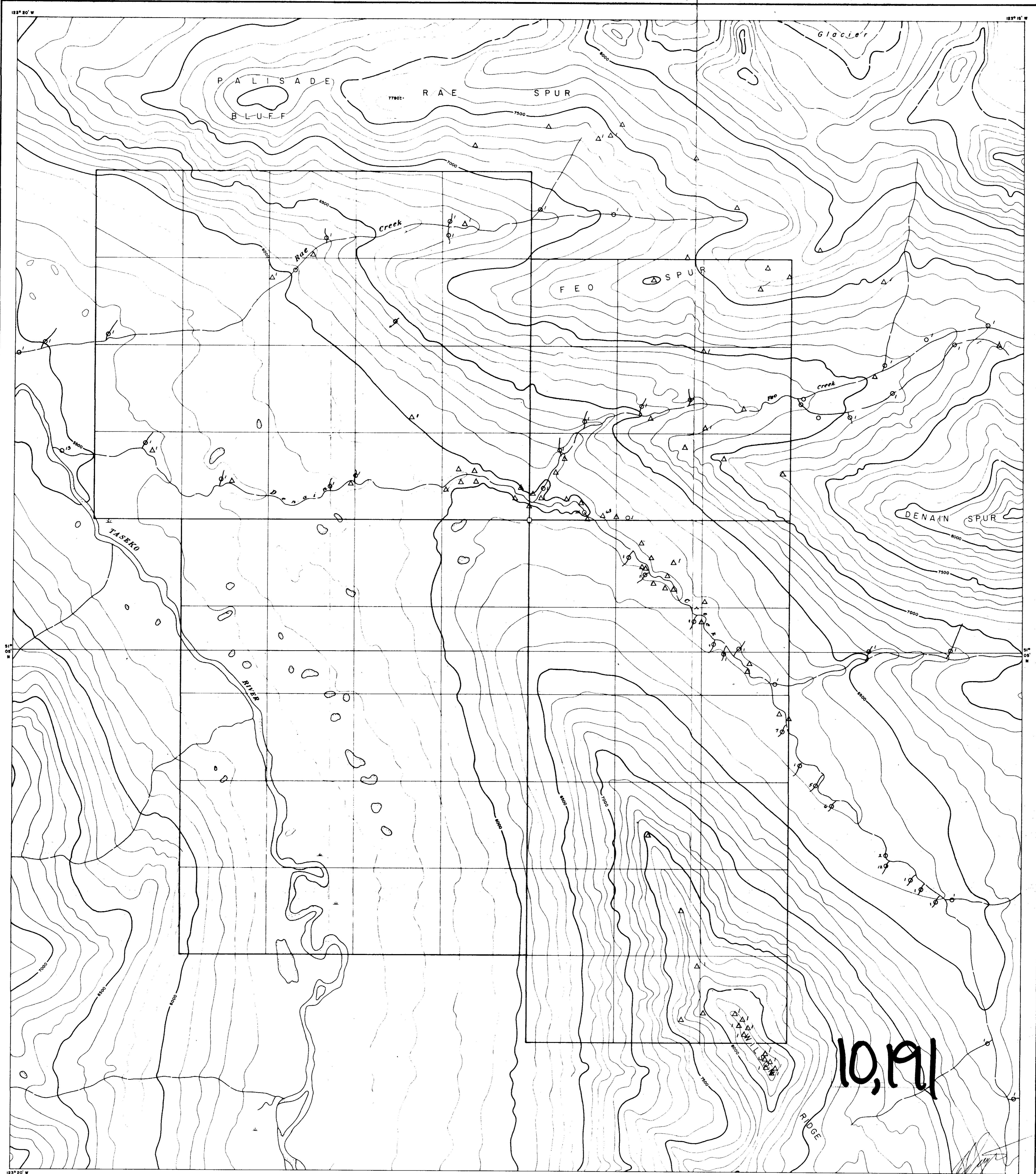
NTS Ref. : 92-0-3		REVISIONS	
Work by :	JOHN DEIGHTON	Work by :	
Drawn by :	Ram N. Gopal	Drawn by :	
Date :	Oct, 1981	Date :	





10,191

<p>○ Silt sample</p> <p>△ Rock sample</p>	<p>TOPOGRAPHICAL SYMBOLS</p> <p>— Road or track</p> <p>— River or creek</p> <p>— Lake</p> <p>— Contours (VI = 100 ft.)</p> <p>— Marsh or swamp</p>	<p style="text-align: center;">N</p> <p style="text-align: center;"><b>UTAH MINES LTD.</b> EXPLORATION DEPARTMENT VANCOUVER, BRITISH COLUMBIA</p> <p style="text-align: center;"><b>WHDB CLAIMS</b></p> <p style="text-align: center;"><b>SILT &amp; ROCK GEOCHEMISTRY</b> <b>ZINC (ppm)</b></p> <p style="text-align: center;">SCALE 1:10,000 METRES 0 100 200 300 400 500 METRES</p> <table border="1"> <tr> <td>NTS Ref: 92-0-3</td> <td style="text-align: right;"><b>REVISIONS</b></td> </tr> <tr> <td>Work by: J. Deighton</td> <td>Work by:</td> </tr> <tr> <td>Drawn by: Ron N. Gopal</td> <td>Drawn by:</td> </tr> <tr> <td>Date: Oct. 1981</td> <td>Date:</td> </tr> </table>	NTS Ref: 92-0-3	<b>REVISIONS</b>	Work by: J. Deighton	Work by:	Drawn by: Ron N. Gopal	Drawn by:	Date: Oct. 1981	Date:
NTS Ref: 92-0-3	<b>REVISIONS</b>									
Work by: J. Deighton	Work by:									
Drawn by: Ron N. Gopal	Drawn by:									
Date: Oct. 1981	Date:									



- Silt sample
- △ Rock sample

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



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

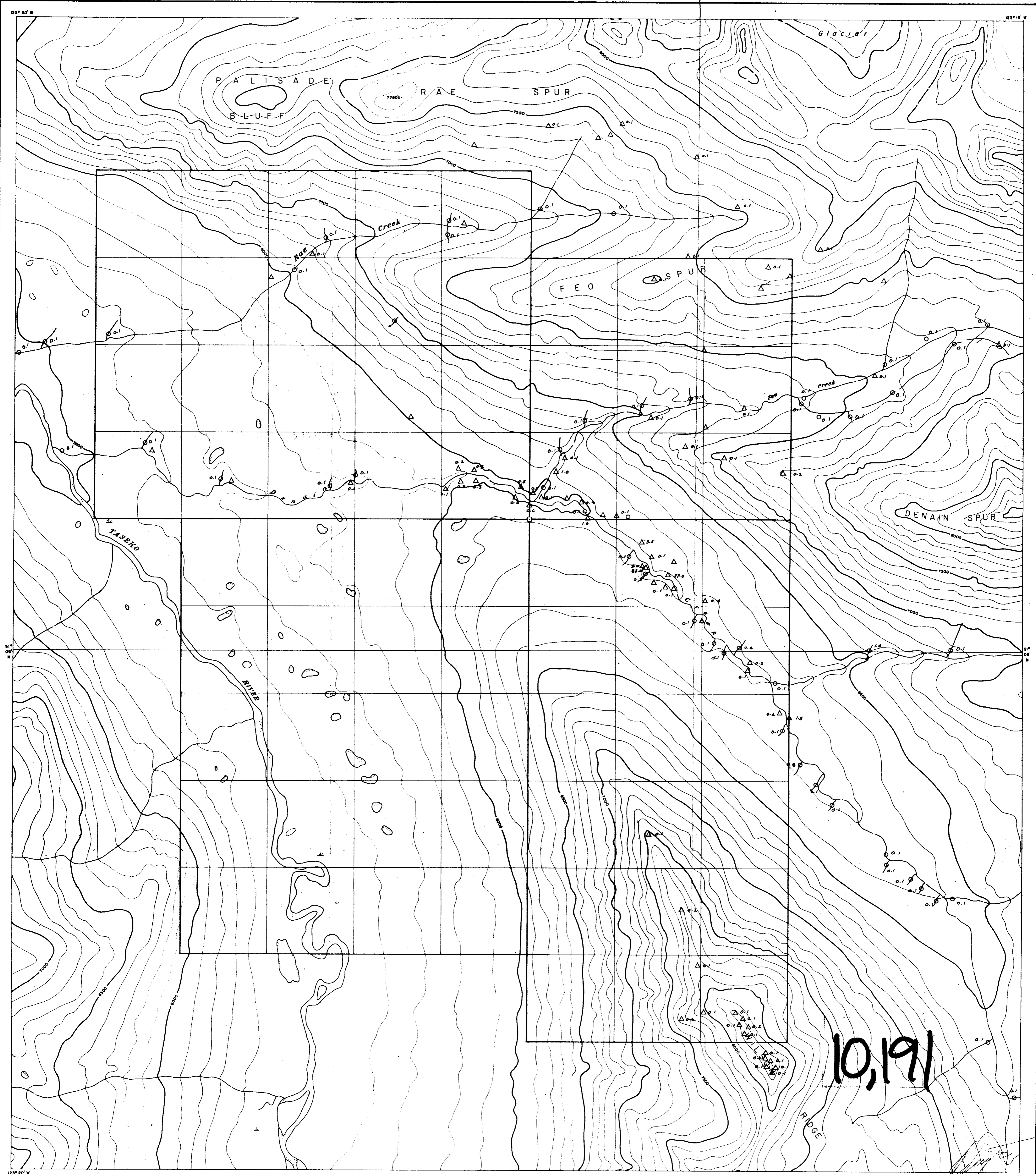
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY  
TUNGSTEN ( ppm )**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by : J. Deighton		Work by :	
Drawn by : Ron H. Gopal		Drawn by :	
Date : Oct, 1981		Date :	

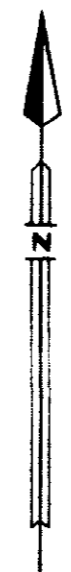




- Silt sample
- △ Rock sample

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- Contours (V.I. = 100 ft.)
- Marsh or swamp



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

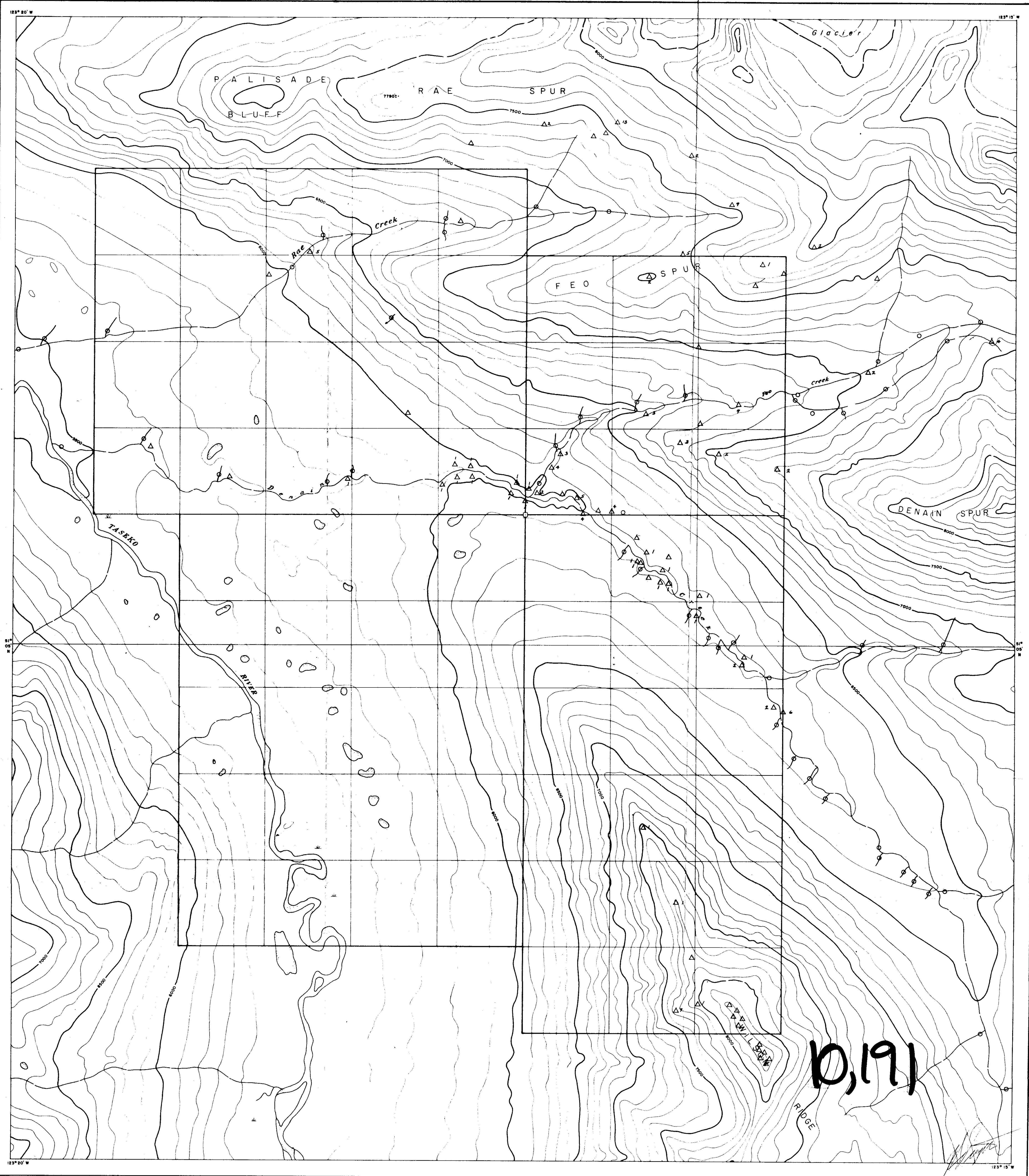
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY  
SILVER (ppm)**

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

UTM Ref.:	92-0-3	REVISIONS
Work by:	J. Deighton	Work by:
Drawn by:	Ran N. Gopal	Drawn by:
Date:	Oct, 1981	Date:

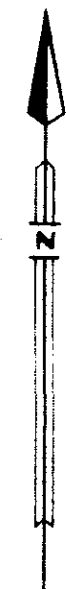




- Silt sample
- △ Rock sample

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- Contours (V.I. = 100 Ft.)
- Marsh or swamp



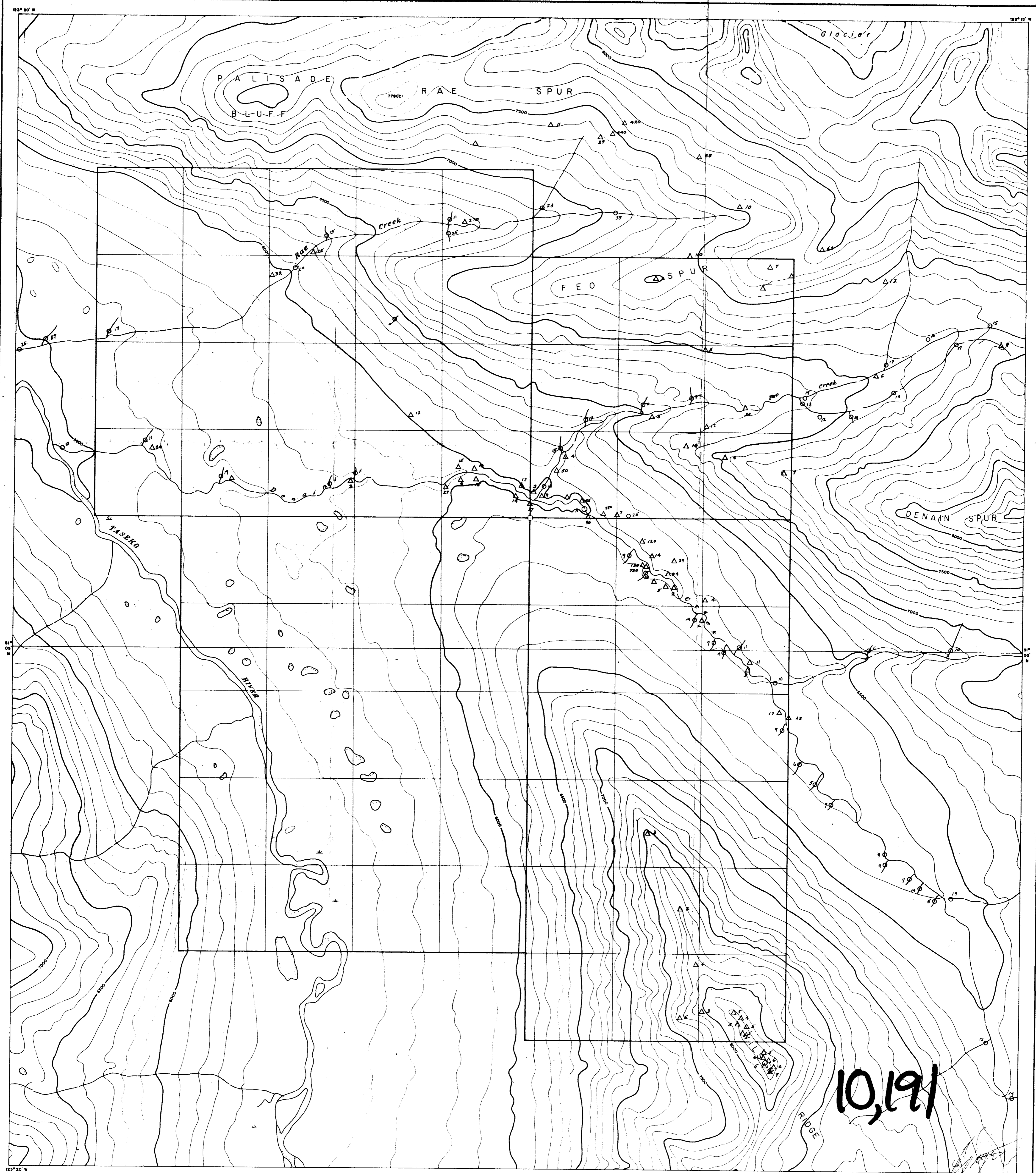
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY**  
**MOLYBDENUM (ppm)**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by : J. Deighton	Drawn by : Ron H. Gopel	Work by :	Drawn by :
Date : Oct, 1981		Date :	

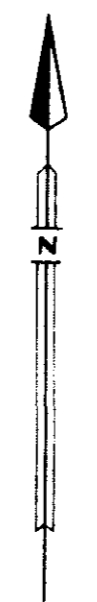




10,191

- Silt sample
- △ Rock sample

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



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

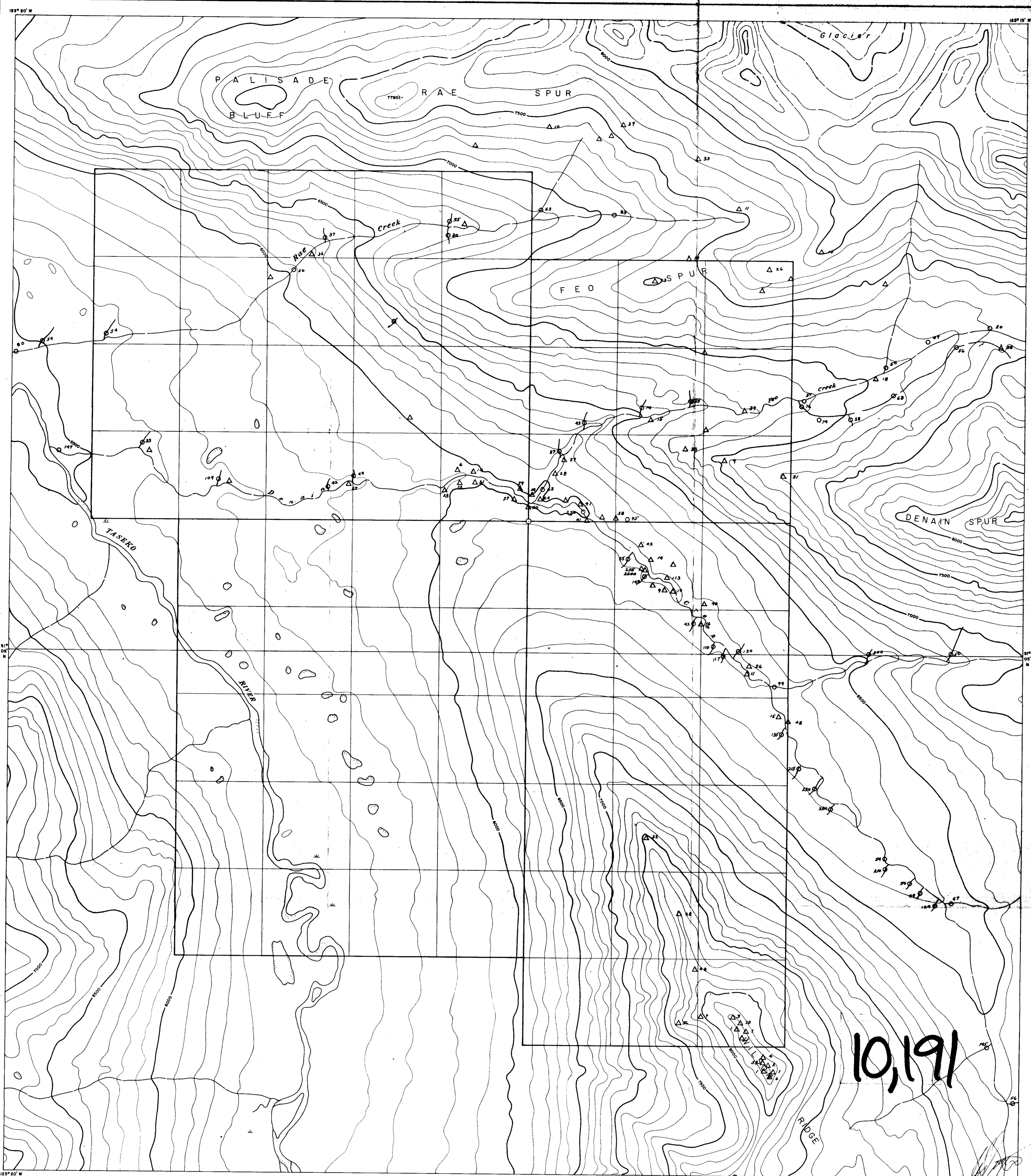
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY**  
**ARSENIC (ppm)**

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

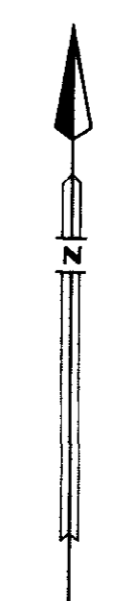
NTS Ref. : 92-0-3		REVISIONS	
Work by :	J. Dighton	Work by :	
Drawn by :	Ron H. Gopel	Drawn by :	
Date :	Oct, 1981	Date :	





- Silt sample
- △ Rock sample

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp

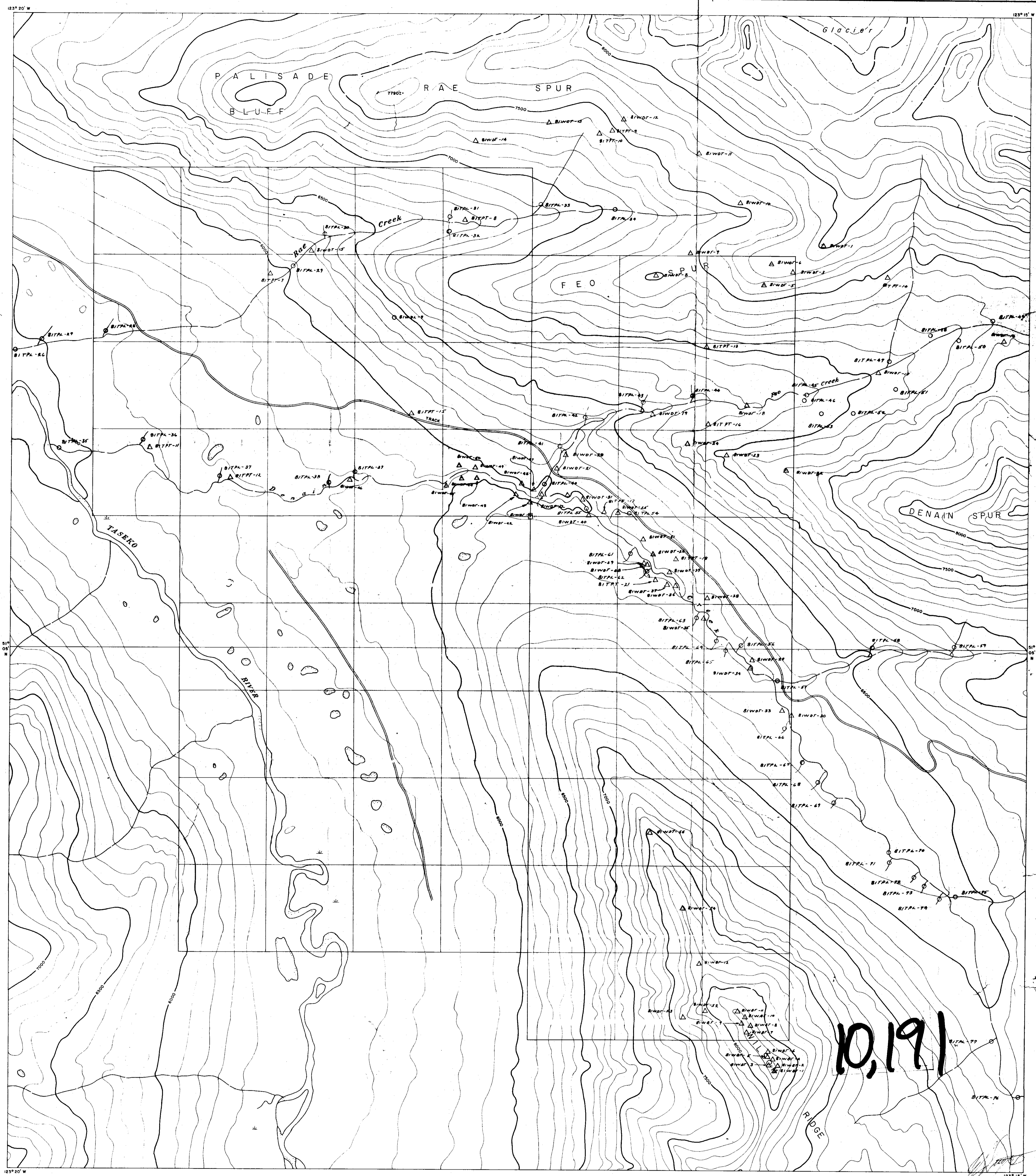


**UTAH MINES LTD.**  
 EXPLORATION DEPARTMENT  
 VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**  
**SILT & ROCK GEOCHEMISTRY**  
**COPPER (ppm)**

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

REVISIONS	
UTS Ref. : 92-Q-3	
Work by : J. Deighton	Work by :
Drawn by : Ron N. Gopal	Drawn by :
Date : Oct, 1981	Date :





BI-TPL-27  
○ Soil sample

BI-WDF-7  
△ Rock sample

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- Contours (V.I. = 100 ft.)
- Marsh or swamp



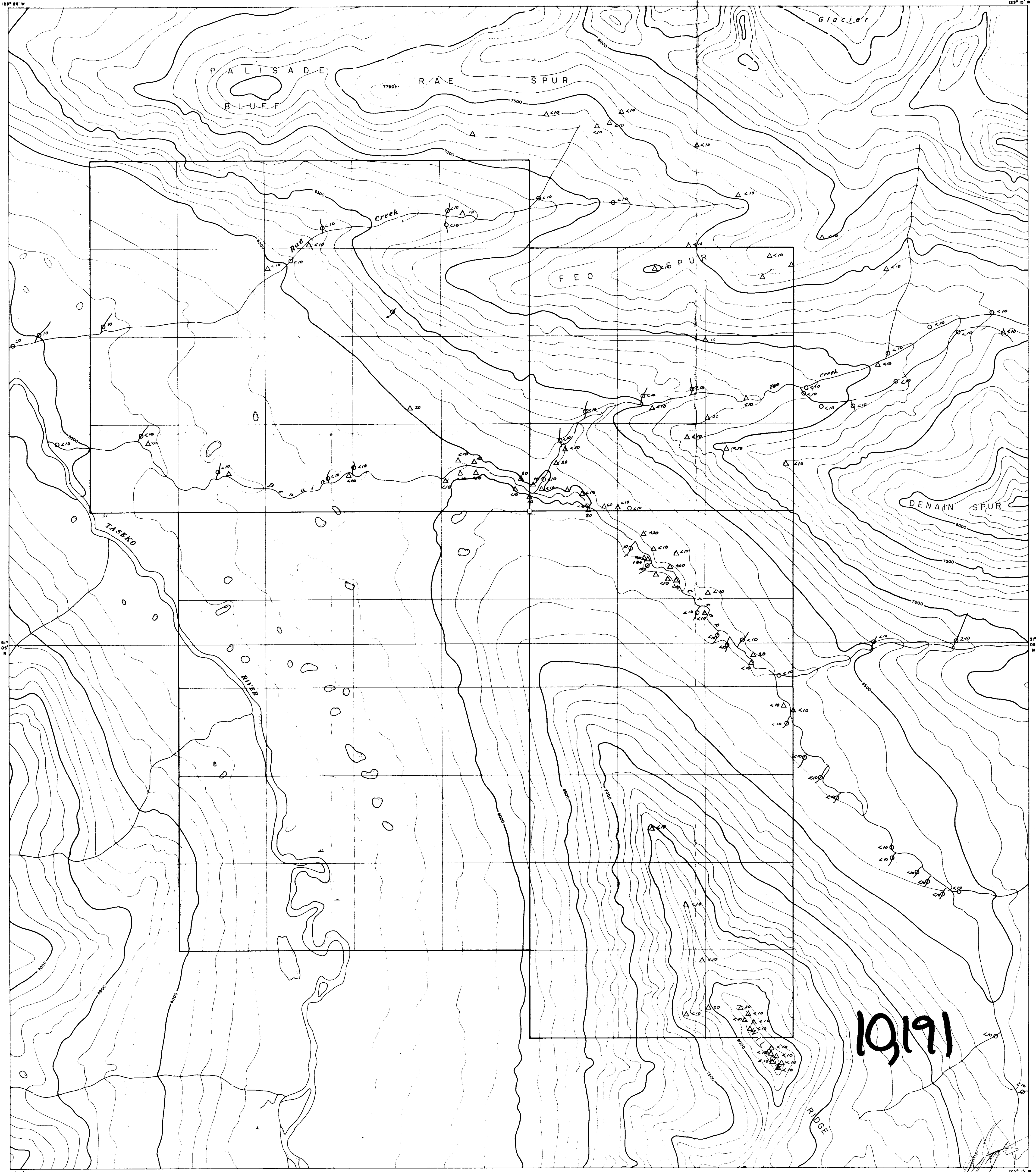
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**

**SAMPLE LOCATIONS**

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

NTS Ref. : 92-O-3		REVISIONS	
Work by :	PHIL BURT	Work by :	
Drawn by :	Ram N. Gopal	Drawn by :	
Date :	June, 1981	Date :	Oct, 1981





- Silt sample
- △ Rock sample

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



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

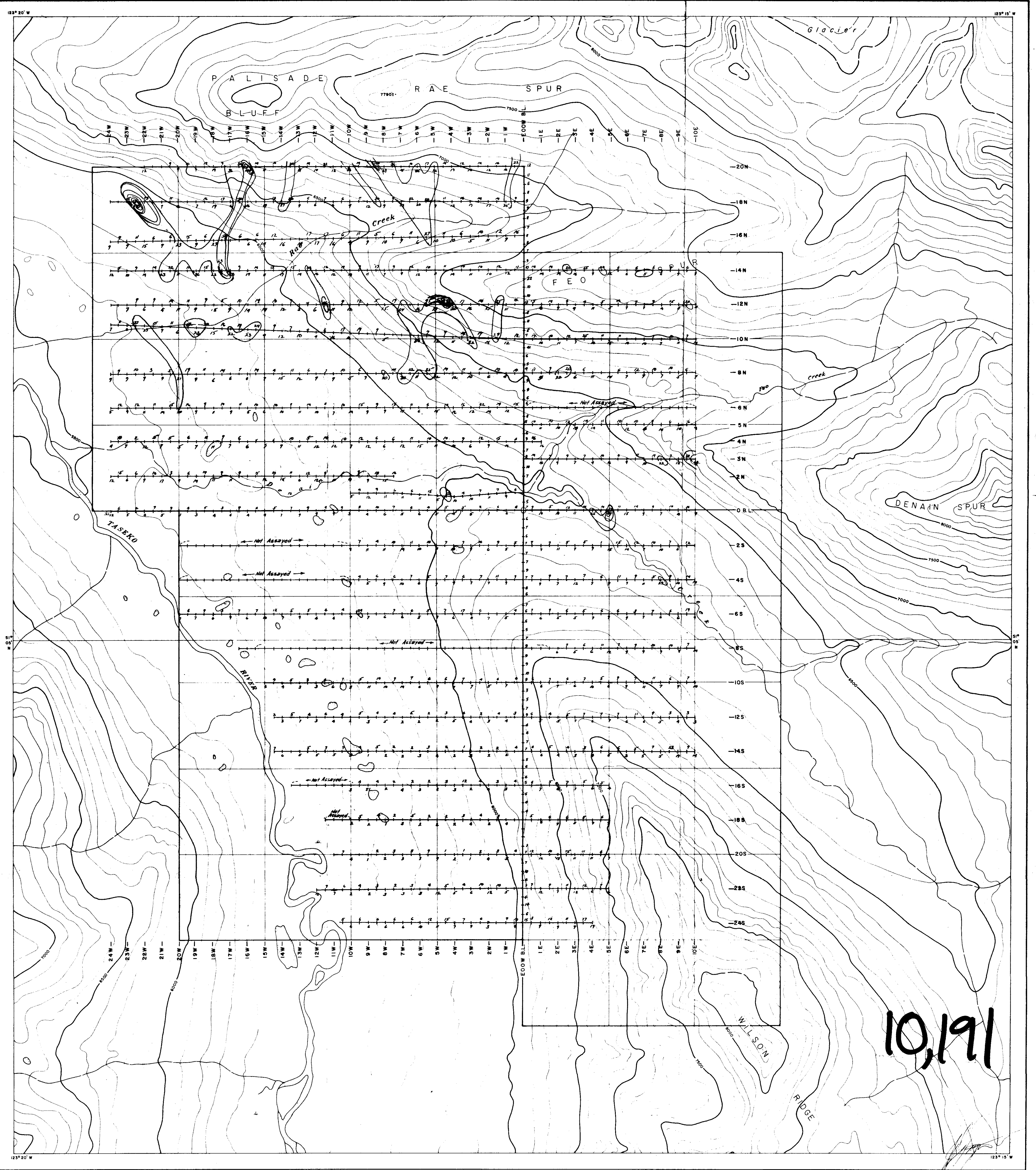
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY  
GOLD (ppb)**

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

NTS Ref. : 92-0-3	REVISIONS
Work by : J. Deighton	Work by :
Drawn by : Ram N. Gopal	Drawn by :
Date : Oct, 1981	Date :





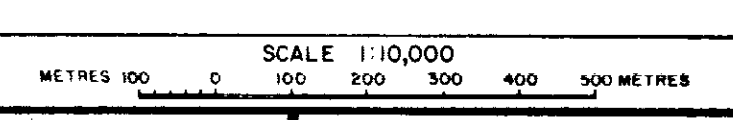
17-21 ppm As Anomalous  
20 ppm As Contours

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I = 100 ft.)
  - Marsh or swamp



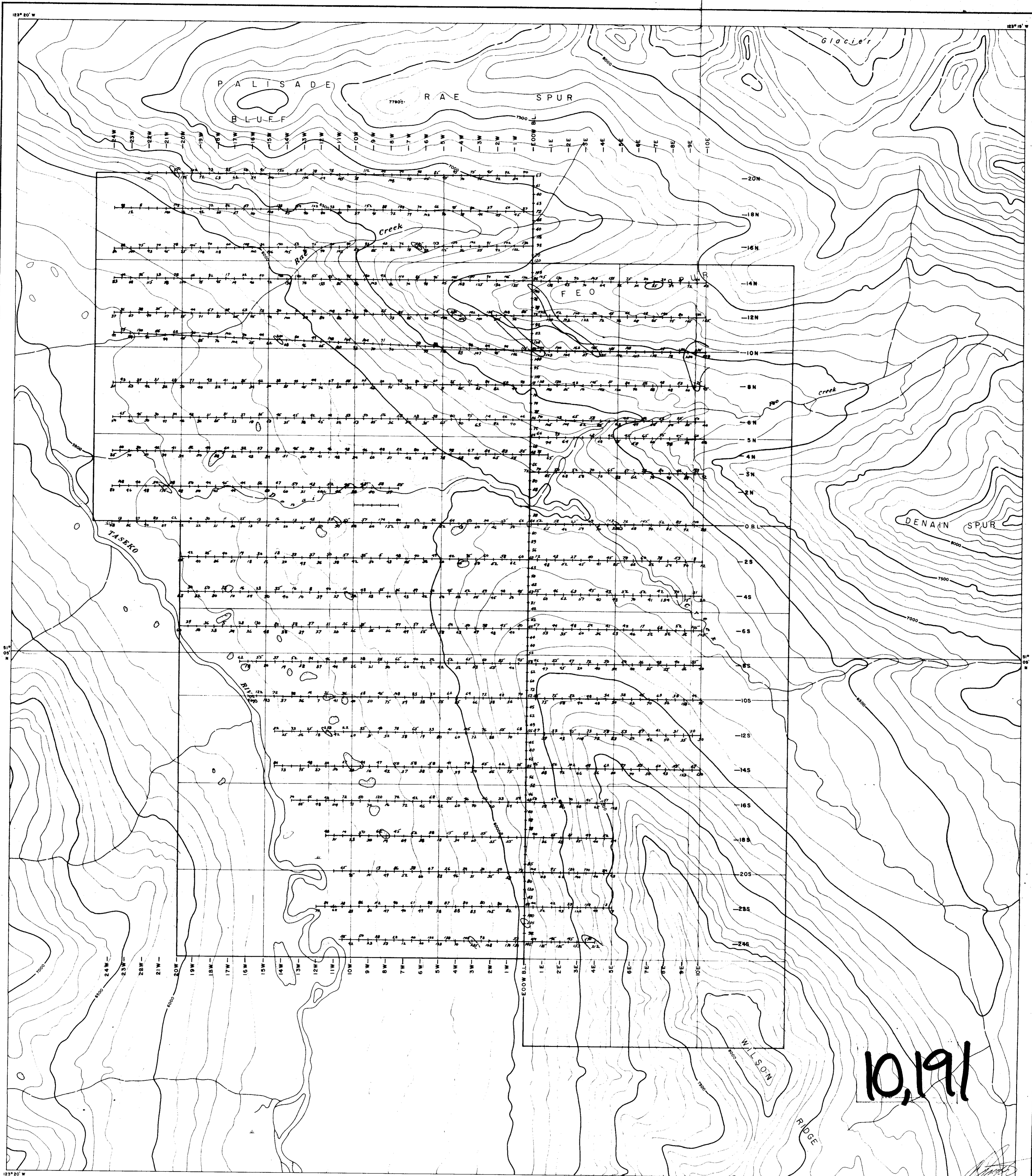
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA

**WHDB CLAIMS**  
**ARSENIC IN SOILS (ppm)**



NTS Ref. : 92-0-3	REVISIONS
Work by : PHIL BURT, J.D., G.W.	Work by :
Drawn by : Ram N. Gopal, G.W.	Drawn by :
Date : Oct., 1981	Date : Feb. 92





180 ppm Zinc Anomalous  
175 ppm Zinc Contours

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (1:1 = 100 ft)
  - Marsh or swamp



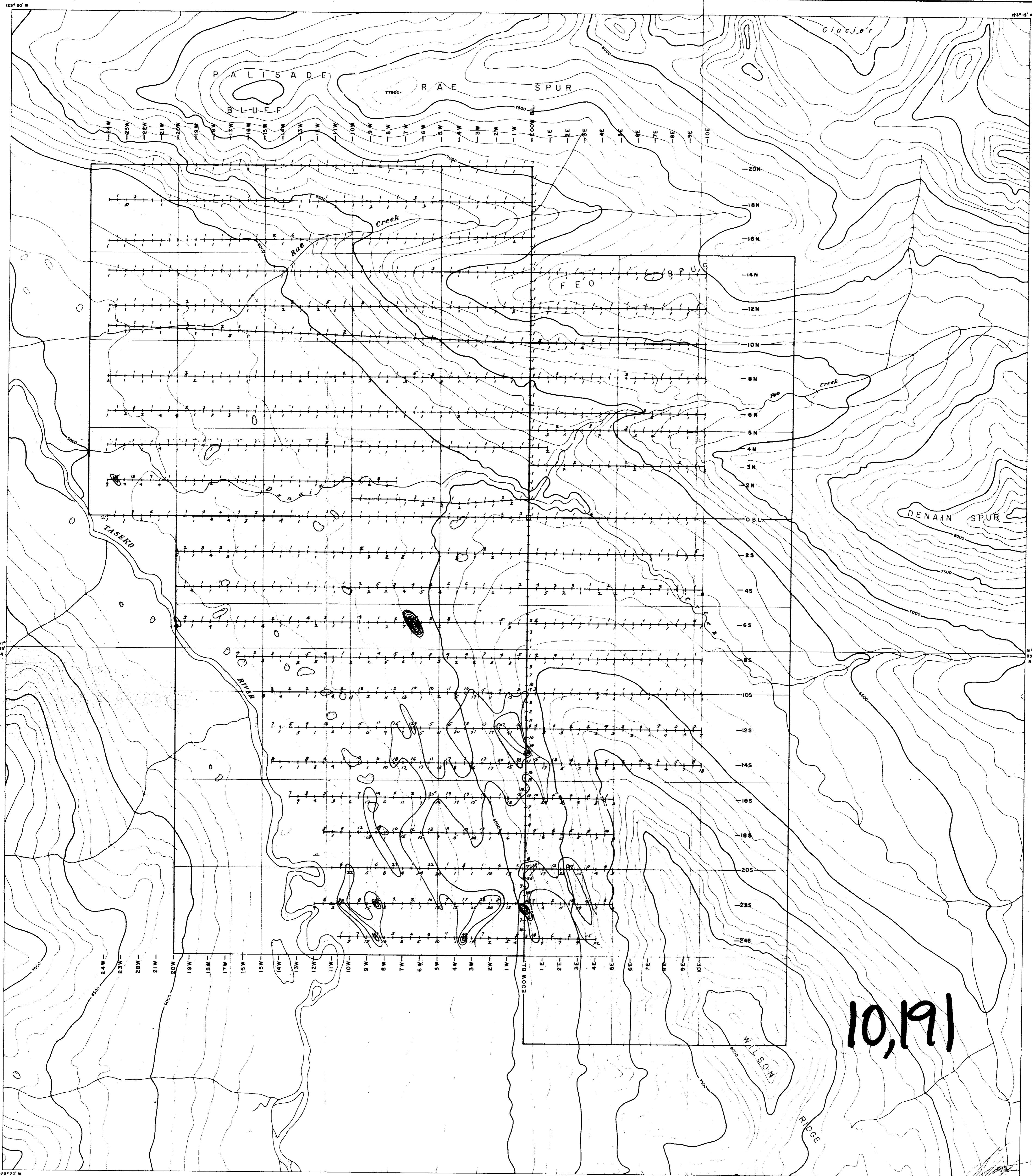
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**

**ZINC IN SOILS (ppm)**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by :	PHIL BURT, J.D., G.W.	Work by :	
Drawn by :	Ron N. Gopal, G.W.	Drawn by :	
Date :	Oct., 1981	Date :	





14 ppm Mo Anomalous  
14 ppm Mo Contours

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



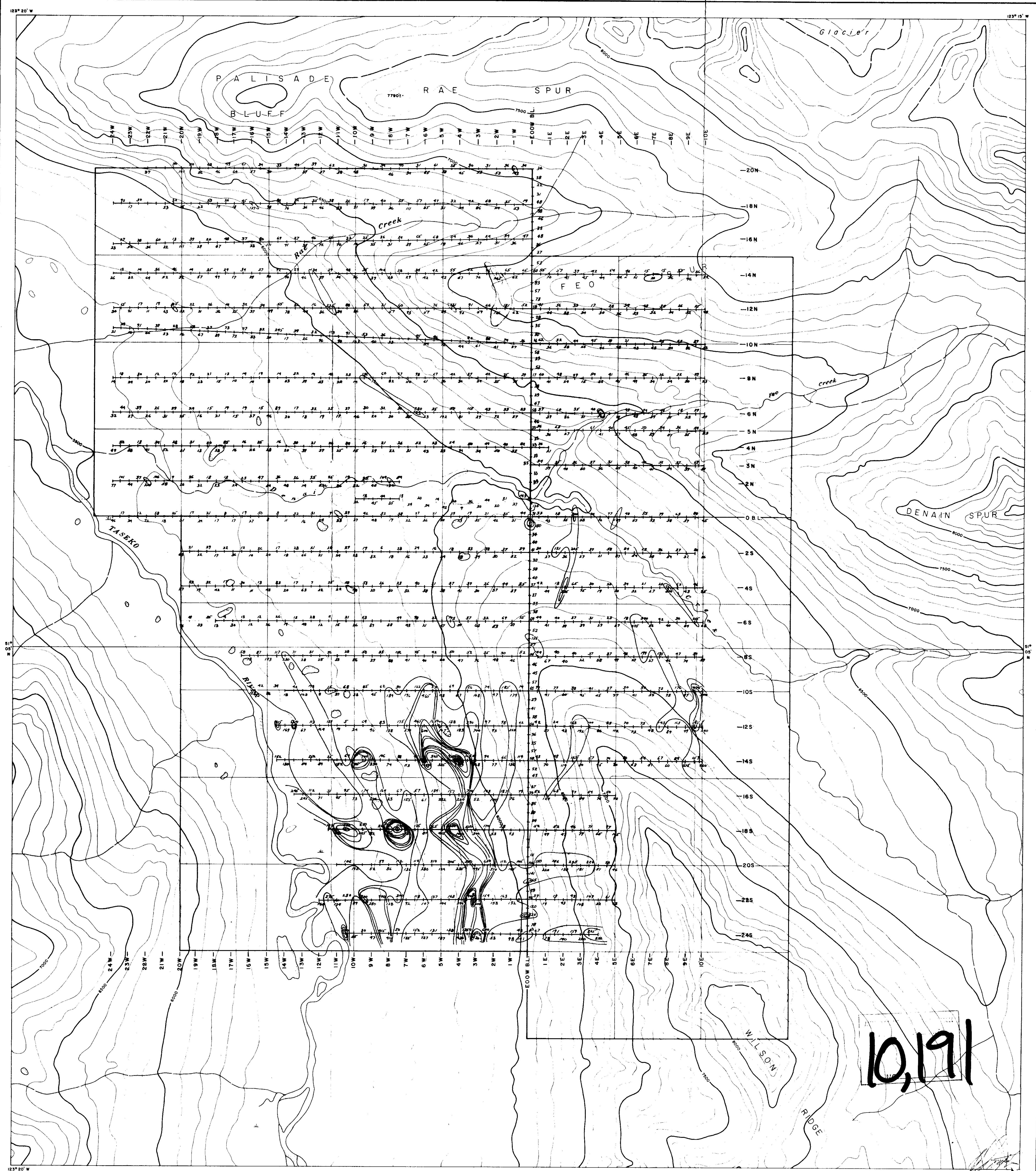
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**

**MOLYBDENUM IN SOILS (ppm)**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by :	PHIL BURT, J.D., G.W.	Work by :	
Drawn by :	Ram N. Gopal, G.W.	Drawn by :	
Date :	Oct., 1981	Date :	





120 ppm Ag Anomalous  
120 ppm Ag Contours

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- 7000 Contours (VI = 100 ft.)
- Marsh or swamp



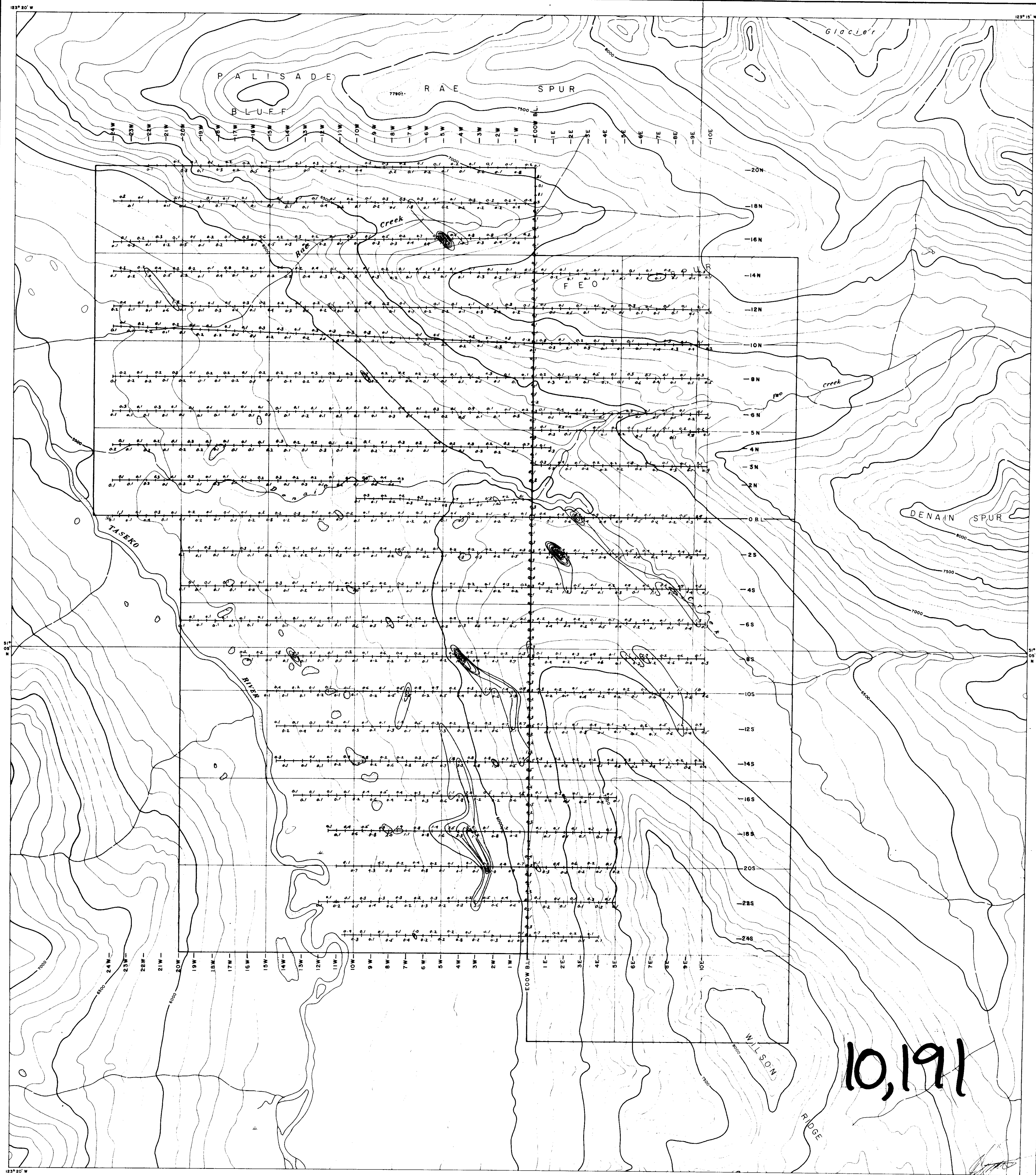
**UTAH MINES LTD.**  
EXPLORATION DEPARTMENT  
VANCOUVER, BRITISH COLUMBIA  
**WHDB CLAIMS**

**COPPER IN SOILS (ppm)**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by :	PHIL BURT, J.D., G.W.	Work by :	
Drawn by :	Ram N. Gopal, G.W.	Drawn by :	
Date :	Oct., 1981	Date :	





12ppm Ag Anomalous  
1.0ppm Ag Contours

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (1:1 = 100 ft.)
  - Marsh or swamp



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

**WHDB CLAIMS**

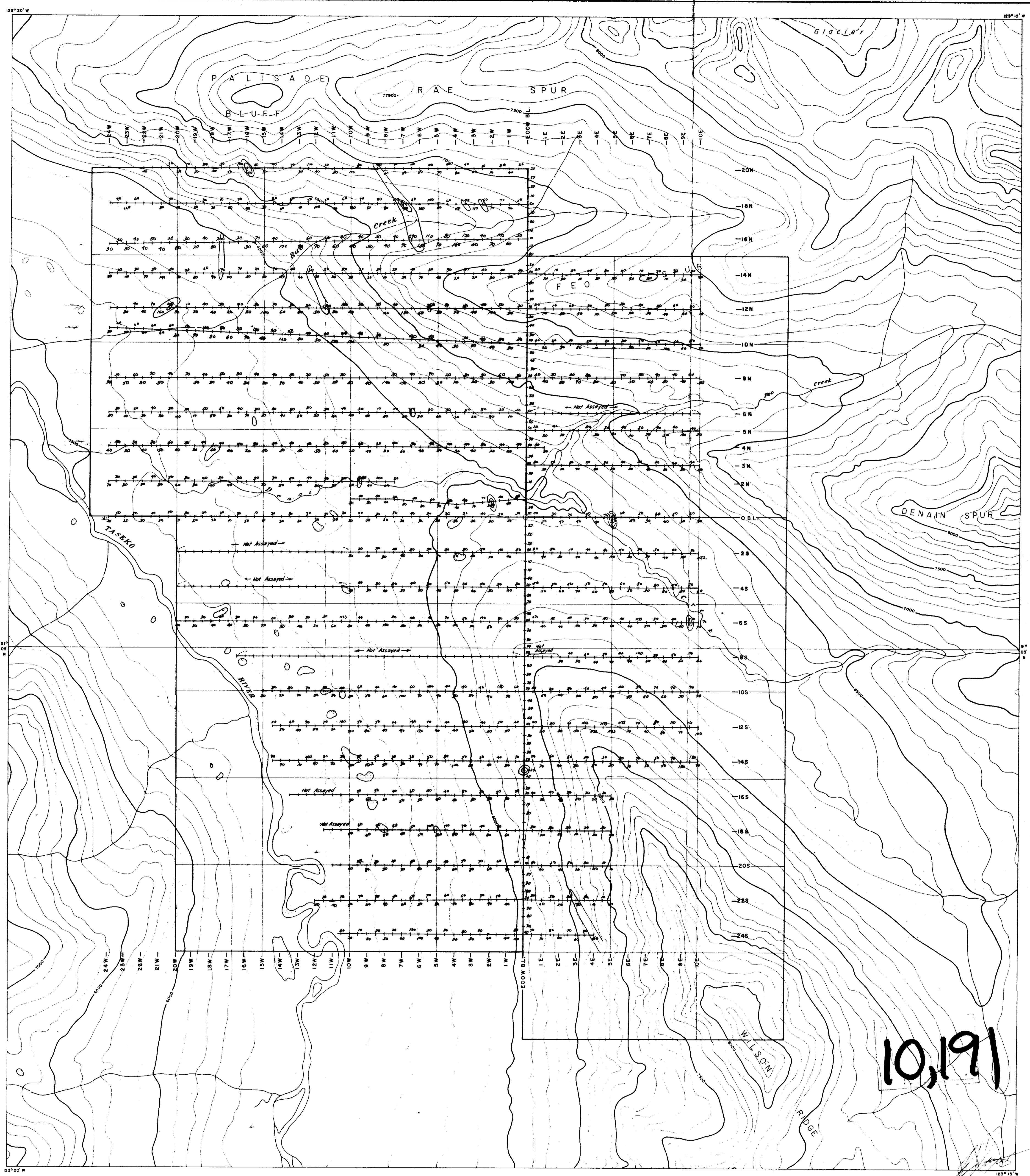
**SILVER IN SOILS (ppm)**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by : PHIL BURT, J.D., G.W.	Work by :		
Drawn by : Ron N. Gopal, G.W.	Drawn by :		
Date : Oct., 1981	Date :		

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150 ppb Mercury Anomalies  
150 ppb Mercury Contours

TOPOGRAPHICAL SYMBOLS

- Road or track
- River or creek
- Lake
- Contours (V.I. = 100 ft.)
- Marsh or swamp



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

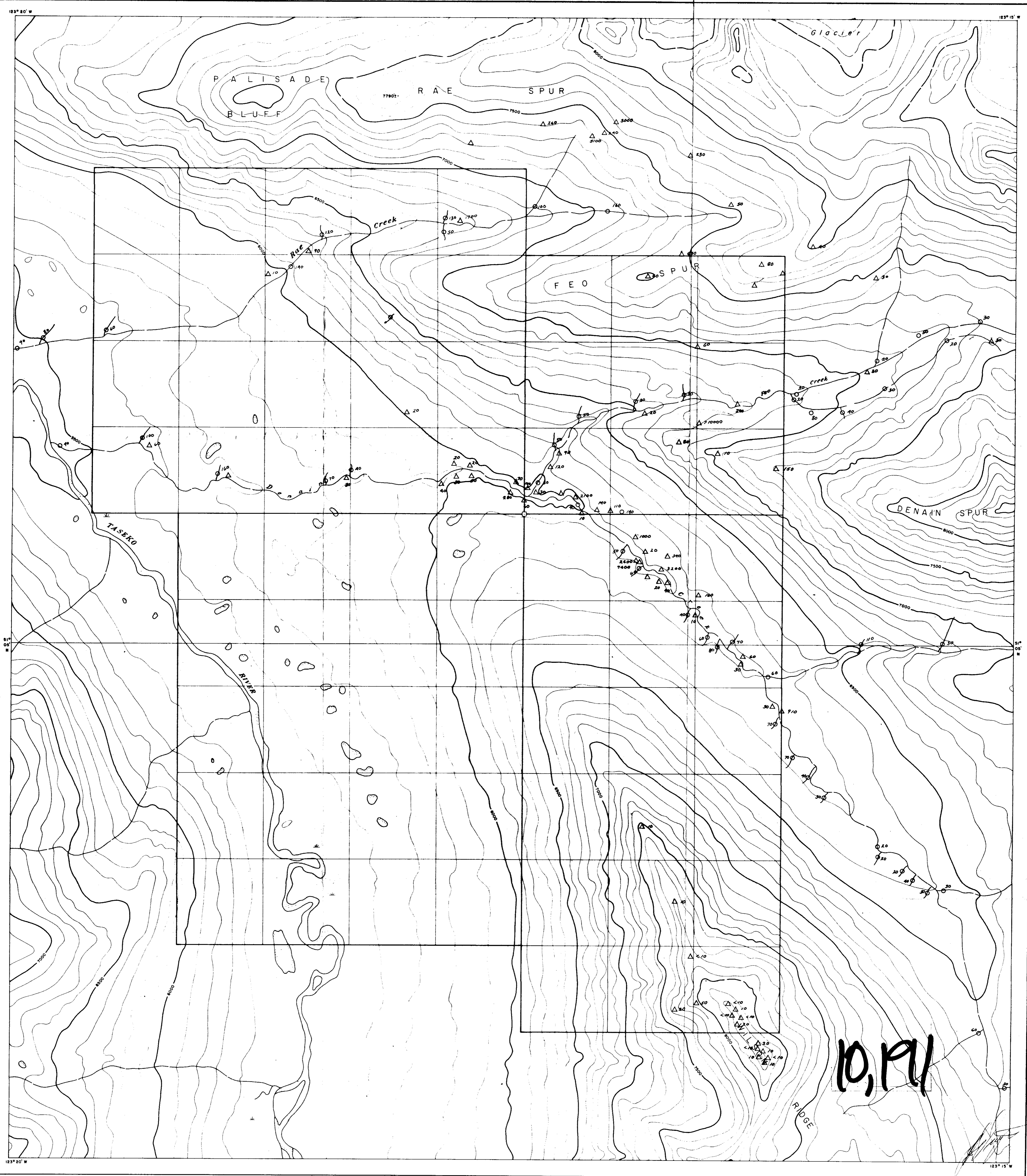
**WHDB CLAIMS**

**MERCURY IN SOILS (ppb)**

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

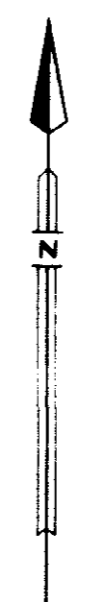
NTS Ref. : 92-0-3		REVISIONS	
Work by : PHIL BURT, J.D., G.W.		Work by :	
Drawn by : Ram N. Gopal, G.W.		Drawn by :	
Date : Oct., 1981		Date : Feb 82	





- Silt sample
- △ Rock sample

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



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

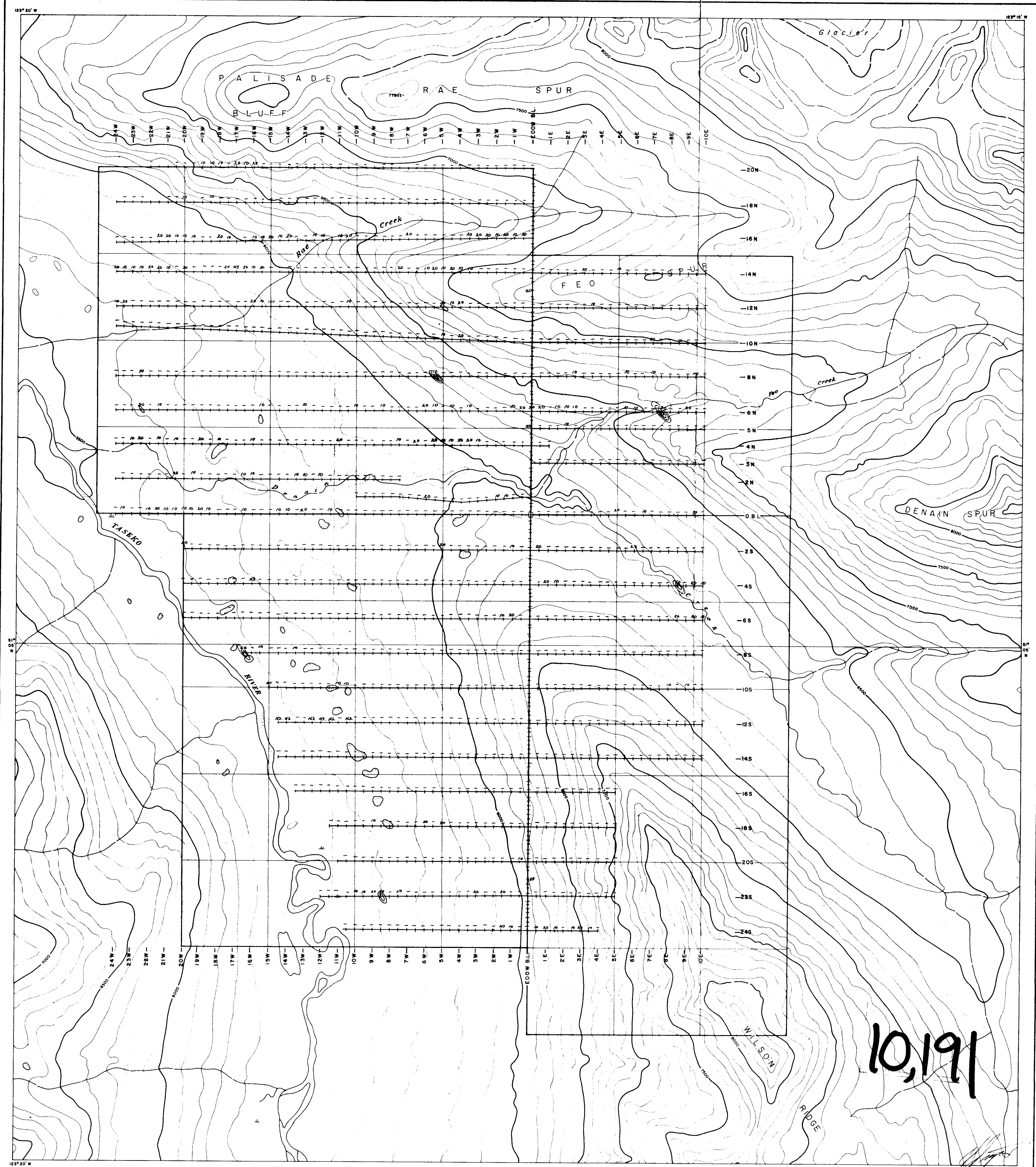
**WHDB CLAIMS**

**SILT & ROCK GEOCHEMISTRY  
 MERCURY ( ppb )**

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

NTS Ref. : 92-0-3		REVISIONS	
Work by :	J. Deighton	Work by :	
Drawn by :	Ron N. Gopal	Drawn by :	
Date :	Oct., 1981	Date :	

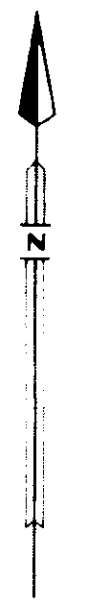




10,191

- <10 ppb Au  
 30 ppb Au Anomalous  
 30 ppb Au Contours

- TOPOGRAPHICAL SYMBOLS
- Road or track
  - River or creek
  - Lake
  - Contours (V.I. = 100 ft.)
  - Marsh or swamp



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

**WHDB CLAIMS**

**GOLD IN SOILS (ppb)**

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

NTS Ref.:	92-0-3	REVISIONS
Work by:	PHIL BURT, J.D., G.W.	Work by:
Drawn by:	Ram N. Gopal, G.W.	Drawn by:
Date:	Oct., 1981	Date: