Office of the Supervising Mining Recorder
NOV 24 1978
WHITEHORSE
Yukon Territory

RECEIVED
20 NOV 1978
MINING RECORDER
WATSON LAKE, Y.T.
I.A. & N.D.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov. 14/78

A GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL,

AND DRILLING REPORT

ON THE

MAXI, MIDI, AK, PARK, BARK, AND MURPHY CLAIMS

RECEIVED
NOV 24 1978
MINING INSPECTORS OFFICE
WHITEHORSE, Y.T.

105-H-11

61° 38' N 129° 10' E

BY

G.A. CLOUTHIER
J. VYSELAAR
G.L. HOLLAND

UTAH MINES LTD.

WORK DONE BETWEEN MARCH 30, 1978 AND SEPTEMBER 15, 1978

090411

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of
$308,950.00
D.B. Craig 12 Jan/79
Resident Geologist or
~~Resident Mining Engineer~~
Considered as representation work under Section 53 of the Yukon Quartz Mining Act.
B. R. BAXTER
Supervising Mining Recorder
for Commissioner of Yukon Territory

TABLE OF CONTENTS

	Page
INTRODUCTION	1
Location	1
Access	1
History	1
WORK SUMMARY	2
GEOPHYSICS	5
Electromagnetic Survey	5
Induced Polarization Survey	6
Gravity Survey	6
Magnetic Survey	7
DATA PRESENTATION	7
Electromagnetic Survey	7
Induced Polarization Survey	7
Gravity Survey	7
Magnetic Survey	7
INTERPRETATION AND DISCUSSION	8
Electromagnetic Survey	8
Magnetic Survey	11
Induced Polarization Survey	12
Gravity Survey	13
GEOCHEMISTRY	14
Remarks	15
GEOLOGY	16
REGIONAL GEOLOGY	16
PROPERTY GEOLOGY	16
Stratigraphic Summary	17
Structural Geology	20
Metamorphism	23
Economic Geology	23
DRILLING	26
REMARKS	26
RECOMMENDATIONS	27

APPENDIX I - Statement of Cost and Major Invoices

APPENDIX II - Statement of Qualifications

APPENDIX III - Abbreviations Used on Geologic Maps

APPENDIX IV - Drill Log and Assay Results

APPENDIX V - Soil Sample Analysis Sheets

APPENDIX VI - References

LIST OF FIGURES

Figure		After Page
1	Location Map	1
2	Location Map 1:250,000	1
3	Geology and Mineral Deposits of the Selwin Basin	16
4	Revised Geology Map of Central Frances Lake Sheet	16

LIST OF MAPS IN POCKET

PLATE	TITLE	SCALE	SHEET NUMBER
1	GROUP INDEX MAP	1": ½ MILE	
2	TOPOGRAPHIC MAPS	1: 10,000	1
3	" "	"	2
4	" "	"	3
5	" "	"	4
6	" "	"	5
7	" "	"	6
8	GEOLOGY	1: 10,000	1
9	"	"	2
10	"	"	4
11	"	"	5
12	"	"	6
13	DETAILED GEOLOGY-MAXI ZONE	1: 1,250	
14	GEOCHEMISTRY SOILS ZINC	1: 10,000	1
15	" " "	"	2
16	" " "	"	4
17	" " "	"	5
18	" " "	"	6
19	GEOCHEMISTRY SOILS LEAD	1: 10,000	1
20	" " "	"	2
21	" " "	"	4
22	" " "	"	5
23	" " "	"	6
24	MAXI ZONE DRILLHOLE LOCATION	1: 2,500	
25	GROUND MAGNETOMETER	1: 10,000	1
26	" "	"	2
27	" "	"	4
28	" "	"	5
29	" "	"	6
30	ELECTROMAGNETIC ANOMALY	1: 10,000	1
31	" " "	"	2
32	" " "	"	4
33	" " "	"	5
34	" " "	"	6
35	HORIZONTAL LOOP EM 444HZ	1: 10,000	1
36	" " "	"	2
37	" " "	"	4
38	" " "	"	5
39	" " "	"	6
40	HORIZONTAL LOOP EM 1777HZ	1: 10,000	1
41	" " "	"	2
42	" " "	"	4
43	" " "	"	5
44	" " "	"	6
45	SHOOTBACK EM	1: 10,000	4
46	" "	"	5
47	MAXI ZONE EM 444HZ	1: 2,500	
48	" "	"	

PLATE	TITLE	SCALE	SHEET NUMBER
49	MAXI ZONE EM 1777HZ	1: 2,500	
50	" "	"	
51	INDUCED POLARIZATION (MAXI ZONE)	1: 1,200	
52	" " "	"	
53	" " "	"	
54	" " "	"	
55	" " "	"	
56	BOUGUER GRAVITY PROFILE	1: 5,000	
57	" " "	"	

INTRODUCTION

Location

The Maxi Property consisting of 909 mineral claims is located at 69° 41' north latitude and 129° 12' west longitude. The claims are in the Watson Lake Mining District immediately to the north and east of the east arm of Frances Lake. The claims lie on the NTS sheet 105-H-11.

Access

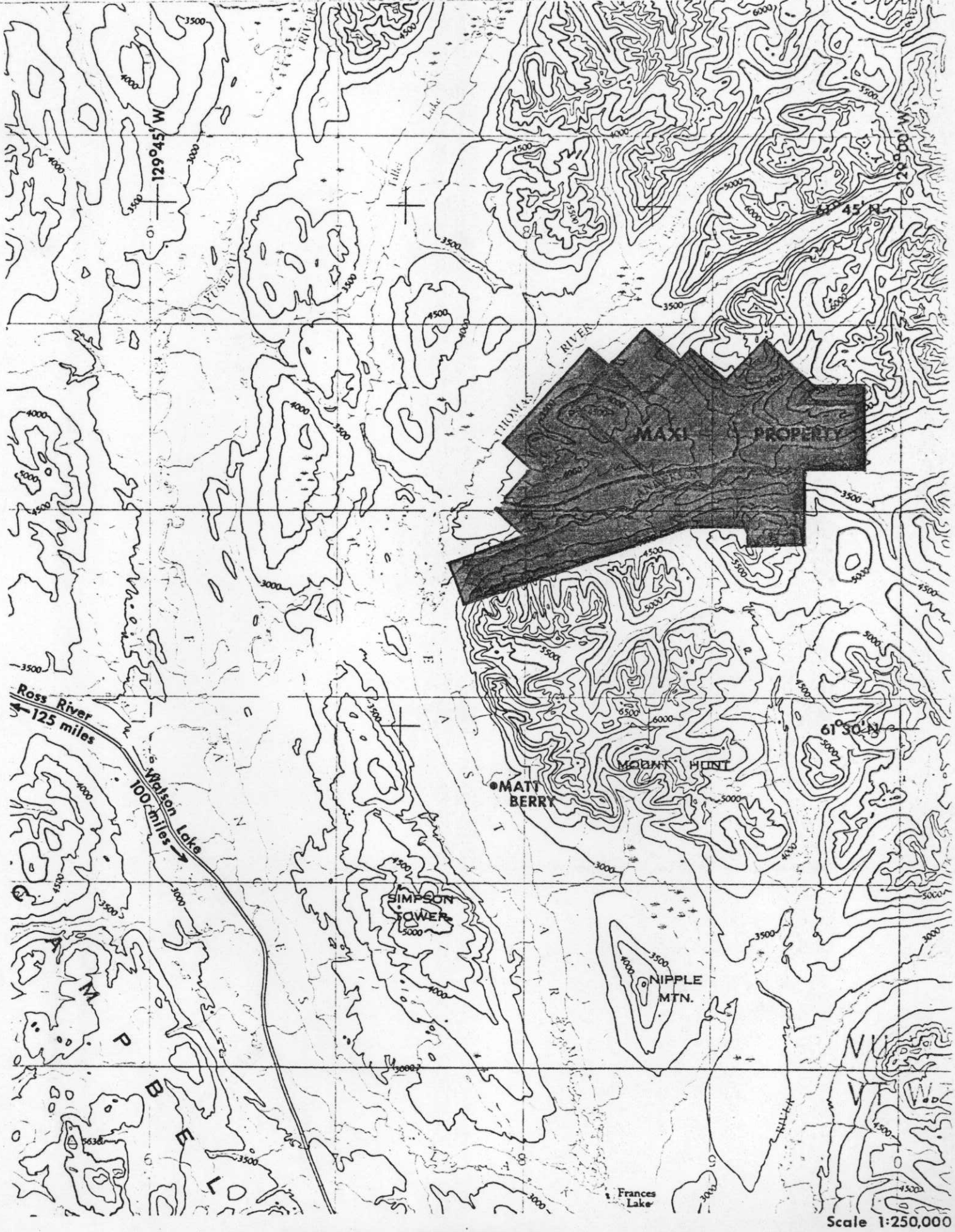
Present access is by float or ski equipped fixed wing aircraft, depending on the season, either from Watson Lake, 180 kilometres to the south or from Ross River, 180 kilometres to the north-west. The property is within 40 kilometres of the Robert Campbell Highway, an all-weather road linking Watson Lake and Ross River. Access on the property is either on foot or by helicopter.

History

The bulk of the claims were staked by Welcome North Mines Ltd. (N.P.L.) during the months of September and October of 1977, following the discovery of several promising lead-zinc showings in the area. The claims were acquired by Utah Mines Ltd. through an Option Agreement with Welcome North and the work program described in this report was carried out during the 1978 field season by Utah.



FIGURE 1 LOCATION MAP



MAXI PROPERTY

Figure 2

CLAIM SUMMARY

Name		Record Number
AK	1 - 104	YA26633 - YA26736
AK	105 - 227	YA27133 - YA27255
BARK	1 - 115	YA27744 - YA27858
MAXI	1 - 112	YA26493 - YA26604
MAXI	113 - 120	YA26855 - YA26862
MAXI	121 - 140	YA26613 - YA26632
MAXI	141 - 351	YA27256 - YA27466
MIDI	1 - 120	YA25974 - YA26093
PARK	1 - 68	YA27005 - YA27072
MURPHY	1 - 8	YA34764 - YA34771

WORK SUMMARY

During March 1978 a 1:10,000 scale basemap with ten metre contours was prepared for the property area by Pacific Survey Corporation from existing government airphotos. During the first part of April, sixty tons of fuel and camp equipment were trucked to a staging point at Frances Lake off the Robert Campbell Highway and was flown into Maxi Lake by ski-equipped single Otter aircraft. All this material was moved off the ice some 100 metres to the main camp site by Skidoo.

A 9-man crew began mobilization out of Vancouver May 10th and moved into the Maxi Lake site May 15th. Helicopter support for the project was provided by a Hughes 500C under contract from Transwest Helicopters which began work May 15th. Construction of the base camp facilities for a 28-man crew was begun May 15th and completed May 24th.

Two, 3-man survey crews employed by McElhanney Surveying and Engineering began work on baselines for grid control May 25th.

A total of 55.8 line-kilometres of transit baseline was put in and several days were spent tying the old Welcome North grid and establishing long range E.D.M. control points for peripheral grid control. The survey work was completed June 14th.

Two, 2-man crews of compassmen employed by Bema Industries Ltd. began compassing, blazing and flagging lines at 300 metre intervals between the surveyed baselines on June 3rd. A total of 540 kilometres of such lines including tie-lines were put in. This work was completed July 28th.

A 2-man crew employed by Utah began doing EM work with a Max-Min II EM system on May 25th. The initial work was done on a grid put in by Welcome North in the canyon area in the fall of 1977. This grid was re-chained and metric stations were established. As lines were completed on the large 1978 grid work was shifted to them. Certain areas were done on the large grid using the Crone CEM system when extra geophysical personnel were available. Approximately 428 line-kilometres of EM were completed by August 20th.

Portions of the Welcome North Grid were also tested with a Scintrex IPR 8 System. A total of 6.25 line-kilometres was completed between June 3rd and June 12th.

A comprehensive ground magnetic's survey was conducted over most of the 1978 grid. A McPhar Proton Magnetometer was used as a field instrument and a Barringer BM-123 base station system was used to monitor magnetic field variations. The magnetics survey began June 20th and was completed August 31st. A total of 405 line kilometres was done.

Three gravity profiles were run over selected surveyed lines using a LaCoste and Romberg gravity metre. This work was completed between July 2nd and July 4th and totalled approximately 6.8 kilometres.

A total of 5237 soil samples were collected on the 1978 grid at 100 metre intervals along the lines. These samples were analyzed for lead and zinc by Chemex Labs in Vancouver. This work was begun June 5th and completed August 5th.

The property was mapped at a scale of 1:10,000. This work was carried out by staff and temporary geologists assisted by prospectors. Mapping began June 1st and was completed August 31st. The main showing area was mapped in detail at a scale of 1:1250. Most of the outcrop on the property was mapped and particular attention was paid to large covered areas where outcrops are sparce.

A Longyear 38 drill and 4-man crew from Arctic Diamond Drilling was flown onto the property August 2nd and completed five holes totalling 636.8 metres of NQ wireline drilling. The drill was winterized and left on the site. Selected portions of the core were split and sent to Chemex Labs for analysis. Drilling was completed August 26th.

Upon completion of the field work much of the camp was dismantled and equipment stored in several wooden structures on the site. During the work season the camp was supplied by weekly Otter trips from Watson Lake and expediting in Watson Lake was handled by Twilite Services Ltd.

GEOPHYSICS

The Geophysical Program completed, included horizontal and vertical loop electromagnetic surveys, an induced polarization survey, a magnetic survey and a gravity survey.

Electromagnetic Survey

The horizontal loop EM survey was completed using the Max Min II unit manufactured by Apex Parametrics Ltd. of Toronto, Ontario. Measurements of the in-phase and quadrature components of the secondary field as a percentage of the primary field were obtained at 50 metre intervals along the grid lines. The first area surveyed was the old Welcome North grid. The lines were rechained in metres and the grid was surveyed using a 150 metre coil separation. Readings were taken every 50 metres. A total of 24.45 kilometres was surveyed. Some of the lines were then resurveyed with a 100 metre cable and a 25 metre reading interval. A total of 7.95 kilometres was surveyed in this manner.

The main Maxi grid was then surveyed using the 150 metre cable and a 50 metre station interval. Readings were obtained at frequencies of 444HZ and 1777HZ. The purpose of using two frequencies is to attempt to discriminate between poor and good conductivity-width conductors. A total of 342.85 kilometres were surveyed with the 150 metre cable.

Due to time considerations it was decided to survey part of the grid using the Shootback method. This method involves two instruments alternately receiving and transmitting at each station. The instrument used was the CEM manufactured by Crone Geophysics Ltd. of Toronto. The results from each instrument are added algebraically and plotted at the midpoint

of the coil separation. A coil separation of 100 metres and a reading interval of 50 metres was used. A total of 52.90 kilometres was surveyed using this method.

The total EM coverage on the Maxi grid was 395.75 kilometres. The combined total for the Maxi and old Welcome North grid was 428.15 kilometres.

Induced Polarization Survey

The induced polarization survey was completed using time domain equipment produced by Scintrex Ltd. of Toronto, Ontario. The pole-dipole array was used. The "a" spacing, or potential electrode spacing, was kept constant at 50 metres. The spacing between the nearest potential electrode and the moving current electrode, i.e. "na", was varied between 50 and 200 metres, i.e. "n" varied from 1 to 4. Readings of the apparent chargeability and primary voltage were obtained at each station for each "na" value. The apparent resistivity was later calculated using the output current from the transmitter and a geometric constant determined from the array geometry.

Five lines of the old Welcome North grid covering a total of 6.25 kilometres were surveyed.

Gravity Survey

The gravity survey was completed over lines 0 and 16 E of the Welcome North grid and line 2300 E of the Maxi grid. On the Welcome North grid readings were taken at 50 metre intervals on transit hubs while on line 2300 E readings were taken on transit hubs which varied from 50 to 200 metres apart. Free

air, elevation and drift corrections were applied to the raw data. Elevations were obtained from the transit survey and were accurate to ± 3 centimetres. Drift corrections were made by reading a base station in the morning and evening and assuming linear drift throughout the day.

Magnetic Survey

The magnetic survey was completed using a McPhar GP-70 total field proton procession magnetometer. Readings were taken at 50 metre intervals. The diurnal variation was corrected by using a Barringer BM-123 base station recording magnetometer. A total of 405.50 kilometres was surveyed.

DATA PRESENTATION

Electromagnetic Surveys

The horizontal loop EM data are plotted in profile form on plan maps at a scale of one cm equals 20 percent. The two frequencies are plotted on separate sheets for clarity of results.

The Shootback EM data are plotted in profile form at a scale of one cm equals 10 percent. The two frequencies are plotted on one map as an aid in the interpretation of the data.

All EM data is plotted at the midpoint of the coils.

Induced Polarization Survey

The apparent resistivity and apparent chargeability results are plotted in psuedo-section form at a scale of one cm equals 50 m. The plotting point is at the intersection of 45° lines originating from the moving current electrode position and the midpoint of the potential electrodes.

Due to the small number of lines completed the data was not plotted in plan form.

Gravity Survey

The relative gravity values are plotted in profile form at a scale of one cm equals 0.5 milligal. The values were not plotted in plan form because of the small amount of data collected.

Magnetic Survey

The corrected total field magnetic values were plotted in plan form. In order to bring the numbers to a more manageable level a base value of 58,000 gammas was subtracted from all readings taken.

INTERPRETATION AND DISCUSSION

Electromagnetic Survey

Characteristic curves were used to obtain values for conductivity-width product and depth to top of the conductors. The approximate width was determined by subtracting one-half the coil spacing from each side of the anomaly. All the conductors were then plotted on a plan map at a scale of 1:10,000 showing conductor width, conductivity-width product and in some cases depth to top.

The conductors were then grouped into anomalous trends and lettered from A through to Z.

Anomaly A

This anomalous zone extends from line 1970 E to line 2540 E. The area south of Maxi Lake was completed in the Shootback mode and no reliable estimates of conductivity width could be obtained. They appear to be fair to good conductors close to surface. The area west of line 2300 E shows conductors with a conductivity-width products ranging from about 10 to 200 mhos. The boundaries in the zone marked A1 are less certain than the rest of the zone.

Several of the conductors show an upward bulge in the quadrature component. This is a characteristic of multiple conductors with varying conductivity-widths.

All the conductors are estimated to be within 15 metres of the surface. The most likely cause of the conductors are bands of graphite in the host rock.

Anomaly B

This is a sinuous conductor extending from line 2570 E to line 3020 E and may be an extension of A. Several of the individual conductors show the upward bulge in the quadrature indicative of multiple conductive zones. The majority of the conductors are within 15 metres of the surface. The interpretation is the same as for A.

Anomaly C

This anomaly extends from line 2150 E to line 2270 E. It shows conductivity-width values of 25 to 100 making it an excellent conductor. It appears to be a single conductor at a depth of less than 15 metres. The most likely cause is graphite.

Anomaly D

A short conductor on lines 2150 E and 2180 E. It is a very narrow conductor at a depth of less than 15 metres and may be part of C. Both C and D could extend to a conductor on line 2120 E.

Anomaly E

A short conductor on lines 2270 E and 2300 E. Again close to surface.

Anomalies F, G, H & I

These anomalies are all narrow and generally have low to moderate conductivity-width values. They are generally close to surface except for the eastern end of G which shows increasing depths. These conductors are probably due to a combination of graphite and sulphide mineralization.

Anomaly J

This is a narrow conductor south of conductor B and may connect with B on line 2960 E. Thus it appears likely that A, B and J are one common conductive zone that is probably a graphitic horizon in the host rocks.

Anomalies K, L, M, N, O, P & Q

Except for L these conductors are all low conductivity-width conductors. They are all close to surface and again except for L are single rather than multiple conductors. The most likely cause of these conductors is a combination of graphite and sulphide mineralization.

Anomaly R

This is a wide low conductivity-width conductor extending from line 2330 E to 2390 E near 1800 N. It is close to surface and is probably due to graphite.

Anomalies S, T, U, V, W, X, Y & Z

These are all fairly narrow low conductivity-width conductors trending WNW. They are probably formational conductors due to graphite.

Conclusions

The EM survey outlined a great number of conductors. They are generally close to surface and show conductivity-width values ranging from less than ten mhos to more than 200 mhos.

Magnetic Survey

As mentioned previously a base level of 58,000 gammas was subtracted from the total field values to bring the numbers to a manageable level. The resultant numbers range from 100 to 4000 gammas but the majority fall in the range of 850 to 950 gammas.

Sheets 1 and 2 have values generally around 800 to 850 gammas. On sheet 2, lines 2090 to 2210 show higher values along the stream that crosses these lines at about 1520 N. This may be a possible fault zone.

Sheet 4 shows very little variation in values except for a small area on lines 1670 E and 1704 E. These are small anomalies and could be due to dioritic dykes.

Sheet 5 is divided into two different areas roughly by Kulan Creek. The area north and west of Kulan Creek is characterized by values around 900 gammas and shows little variation. The values north of Maxi Lake are somewhat higher.

The area southeast of Kulan Creek is characterized by more variable data and show higher values than any other part of the property. There is no general correlation with EM conductors or geochemical results. The magnetic data indicates an increased amount of magnetite or pyrrhotite in the rocks southeast of Kulan Creek.

Sheet 6 shows much the same character as the southeast part of sheet 5. The magnetic values are variable and probably reflect varying amounts of magnetite in the underlying rocks.

Induced Polarization Survey

The apparent chargeability results show a very high background but no clearly defineable anomalous areas. The south side of the canyon generally shows slightly higher values than the north side.

The apparent resistivities are low, being generally less than 50 ohm-metres on line 24 E, 20 E, 16 E and 8 E except around the canyon which is a high resistivity area.

The south side of line 4 W shows resistivities of a few hundred ohm-metres to a high of 3600. The north side of the linesall show a large area with resistivities of less than 10 ohm-metres. These all occur in areas of EM conductors

with high conductivity-width values and are interpreted as being due to graphite.

The high background response and lack of definite anomalies leads to an interpretation of ubiquitous graphite as the source of the response.

Gravity Survey

The gravity survey did not reveal any anomalous areas.

On the Welcome North grid line 16 E south of the canyon shows higher values than the north side. This could be a reflection of the greater depth of overburden on the north side of the canyon revealed by the drilling.

Line O shows a slight increase in values on south side as opposed to the north side. This is again probably due to slightly deeper overburden on the north side of the canyon than on the south side.

Line 2300 E of the Maxi grid shows a regional gradient from 1800 N to 1960 N where the values even out. The area between 1990 N and 2100 N shows a residual high of up to 0.5 milligal. The values decrease at 2160 N.

These variations probably reflect a change in overburden and underlying rock density or a combination of the two.

GEOCHEMISTRY

A total of approximately 5,237 soil samples were collected during the 1978 season. This work was done by temporary Utah personnel under the supervision of the writer. The samples were collected with a mattock. Where possible they were obtained from the "B" horizon which is generally encountered between 10 and 50 centimetres below the surface. In swampy areas the samples are generally more organic due to a much thicker "A" horizon, which covers the more favourable "B" horizon to below feasible sampling depths. In alpine areas good "B" horizon samples are difficult to obtain because the horizon is poorly developed or non-existant. Samples were collected in Kraft paper bags and shipped to Chemex Labs Ltd. The -80 mesh fraction was analyzed by routine atomic absorption methods for lead and zinc.

The data was subjected to statistical analysis and the results are tabulated below:

ZINC

		% of Samples
Background	<150ppm	83%
Possibly Anomalous	>150 <200ppm	7.9%
Probably Anomalous	>200 <300ppm	4.7%
Anomalous	>300ppm	4.4%

LEAD

Background	<15ppm	77%
Possibly Anomalous	>15 <25ppm	18%
Probably Anomalous	>25 <50ppm	4%
Anomalous	>50ppm	1%

Remarks

Lead and zinc values show a strong positive correlation. Overall the lead values obtained seem abnormally low. Large areas of low response along the Anderson River Valley and north and west of Maxi Lake are thought to have overburden too deep for valid soil geochemistry, hence should not be disregarded as potential target areas because of the sampling results. Three large, albeit somewhat erratic anomalies in zinc and lead have been delineated by this survey. Perhaps anomalous areas rather than anomalies would better describe them. The largest has an east-west dimension of 4km. and a north-south dimension of 2-2.5km. This anomaly covers the Maxi Canyon zone and extends to the west-northwest. A somewhat erratic and much smaller anomalous area covers the area of the 'Mite' showing in the eastern part of the property. Its irregular nature could be explained by poor soil development in the rugged sub-alpine terrain. The third anomalous area is quite large having a 3.5km. east-west dimension and 1.5-2km. north-south dimension. Hand trenching of a high sample location in this area uncovered mineralized bedrock.

In summary mineralization has been confirmed in all three of the anomalous areas. The areas are very large and exposures are sparse. Mineralization exposed is sub-economic but of sufficient strength to account for the anomalies.

GEOLOGY

REGIONAL GEOLOGY

The regional setting of the Maxi Property is illustrated in Figures 3 and 4. It occupies a position on the southwest flank of a northwest trending belt of Hadrynian, "Windermere" equivalent metamorphic rocks. The Hadrynian rocks underly the paleozoic rocks of the Selwyn Basin and were apparently uplifted along the aforementioned trend during Cretaceous times by tectonism related to the emplacement of the Logan Batholith and related intrusions. Subsequent erosion of this "arch" structure has exposed the Hadrynian rocks which now form a spine bisecting the deep water shales and cherts of Paleozoic Selwyn Basin age.

More locally the Maxi Property is underlain by a westerly plunging complexly folded succession of marine sediments ranging in age from upper Cambrian to Mississippian. The structure appears open to the west but interpretation is hampered by poor exposure and N 30 E and N 30 W trending major block faulting (see Figure 4). To the north, south and east this Paleozoic package is in contact with underlying Hadrynian metamorphic rocks, or Cretaceous intermediate intrusives.

PROPERTY GEOLOGY

The entire property was mapped at a scale of 1:10,000. Control for the mapping was established from survey points, grid line stations, and topographic features. With the exception of the north-eastern and southern edges of the map area the

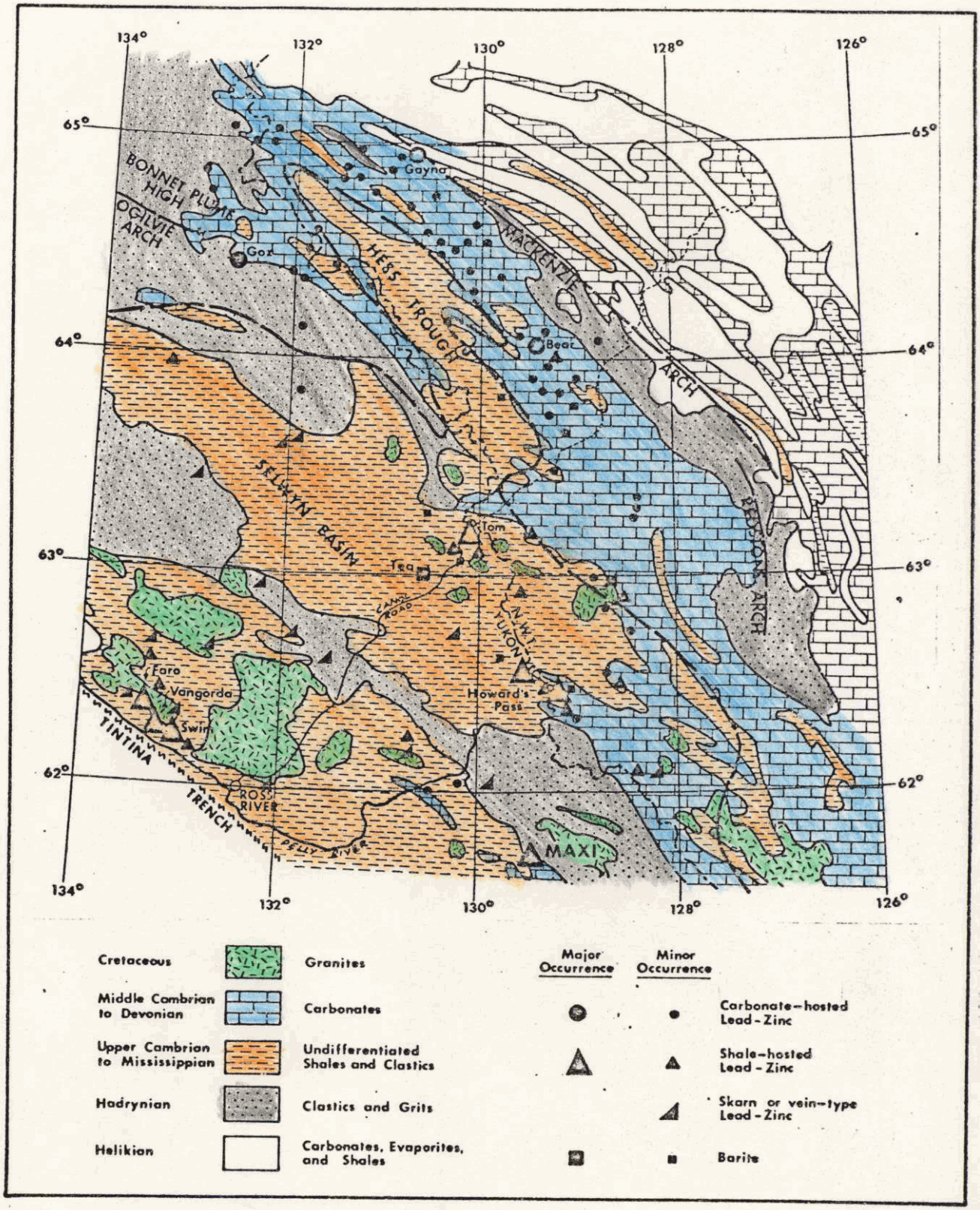


Figure 3: Geology and lead-zinc-barite deposits Selwyn Basin and Mackenzie Foldbelt (After Blusson, Norris, Aitken, and Brock 1974)

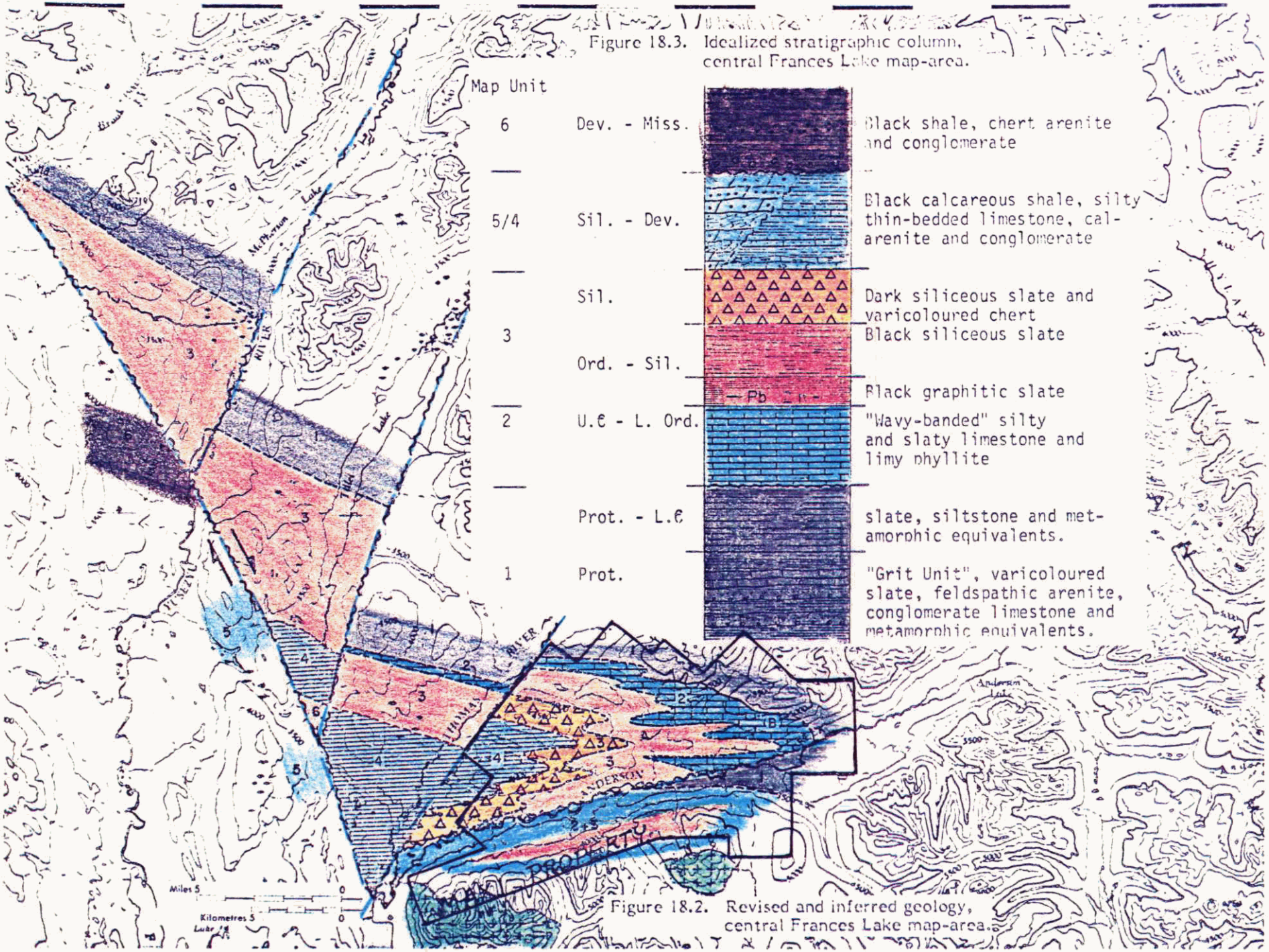


Figure 18.3. Idealized stratigraphic column, central Frances Lake map-area.

Figure 18.2. Revised and inferred geology, central Frances Lake map-area.

Figure 4 Blusson, 1977

topography is subdued and outcrop exposures are sparse. Portions of Kulan Creek and the Anderson River have better exposures. The Canyon area on Kulan Creek where the original Maxi showings were found was mapped in detail at a scale of 1:1250 (see Plate 13). The over-all structural and lithological interpretation of the geology had to be extrapolated from these areas of better exposures. The degree of confidence in these extrapolations is reflected by the contact symbols used.

The tentative stratigraphic interpretation used in the mapping is based on Blusson's column for the area shown in Figure 4. With the exception of a graptolite fossil location at 15,500N and 19,000E which tentatively dates these rocks as Ordovician-Silurian no other specific date information is available at this time.

Stratigraphic Summary

Proterozoic: These are the oldest rocks on the property and consist of a complex sequence of schists gneisses, quartzites and marbles with possibly minor conglomerates. The upper-most member of this unit is a sequence of black graphitic slates which immediately underlies the Cambrian-Ordovician "Wavy Banded Limestone", and is exposed in the eastern part of the property is a black graphitic slate containing pyrite and minor interbedded quartzites. These rocks are thought to be of Hadrynian Windermere Age.

Road River Formation: Cambrian - Devonian

Cambro-Ordovician: Wavy Banded Limestone: Silty and shaly limestone is rythmically interbedded with limy shales and

siltstones. This gives rise to a distinctive light to very dark gray colour banding. Individual band widths vary from less than one centimetre to more than 4 centimetres. This banding is often crennulated giving it a wavy appearance. In outcrop, differential weathering clearly outlines this texture. Although true thickness has not been clearly defined it varies considerably in the eastern part of the property where its lower and upper boundaries are best exposed. This variable thickness could be attributed to deposition on an irregular erosion surface on the proterozoic rocks hence supporting the presence of an unconformity between them.

Ordovician-Silurian: Black Phyllitic Shale Unit: This unit is made up of a very thick succession of black graphitic phyllites and phyllitic shales with minor silty limestone and limy shale interbeds which appear very similar to the wavy banded limestone. These occur in the lower part of the section usually within 100 metres of the top of the limestone. The shales also tend to be more calcareous in the lower part of the unit. The shales and phyllites contain an average of 1 - 3% iron sulphides with both pyrite and pyrrhotite present. Large lenticular quartz-ferro-carbonate veins are common in the lower part of this unit and are thought to be formed by silica and carbonate being sweated out of the shales during metamorphism.

The lower part of this unit just above the "Wavy Banded Limestone" appears to be the most favourable host for stratiform lead-zinc mineralization which is usually accompanied by an increase in silica content as fine quartz lamellae on the foliation planes. On weathered surfaces the unit is generally

limonitic and near lead-zinc sulphide occurrences, hydrozincite, manganese oxides, and more rarely plumbo-jarocites are present. The lower contact of this unit is gradational and appears to form a conformable sequence with the "Wavy Banded Limestone".

Silurian: Chert and Siliceous Argillite Unit: This is quite a variable unit characterized principally by high silica content and variable colour. Colours in the cherts vary from black to green, various gray shades, maroon, and white. The cherts are generally well banded and often are interbedded with siliceous argillites. This unit tends to be resistant and often forms large outcrops, particularly south of the Anderson River. No contacts between this unit and the underlying Ordovician-Silurian "Black Phyllitic Shale Unit" were observed. Locally a chert pebble conglomerate was mapped at the top of the Silurian Cherts. This does not appear to form a laterally continuous member but does suggest a partial unconformity relationship with the overlying Silurian-Devonian succession. In other localities the contact appears gradational and no indications of an unconformity are present.

Silurian-Devonian: Gray Calcareous Siltstone, Shale and Silty Limestone Unit: The major distinguishing characteristics of this unit are that essentially all the rocks are to some extent limy and colours are almost uniformly gray, though locally they may vary from nearly black to white. Siltstones and silty limestones are the dominant rock types. The finer grained pelitic sediments are usually phyllitic. Some minor limestone conglomerate and orange weathering dolomite were also mapped within this unit.

Devonian-Mississippian: Black Clastic Unit: The major distinguishing characteristics of this unit are its dark usually black colour and its non-calcareous nature. This unit is poorly exposed on Maxi and consists mostly of black graphitic shales, frequently with a silvery weathered surface. Silica content is variable. No contacts are exposed between this unit and the underlying Silurian-Devonian Calcareous rocks, however regional work by Blusson and others has suggested an unconformity exists between these units.

Cretaceous: Logan Batholith and Related Intrusions: A large batholithic intrusion of intermediate, generally granodioritic composition outcrops along the southern edge of the Maxi Property. Several minor satellitic stocks also occur south of the Anderson River. Throughout the property, numerous minor porphyritic dykes occur cutting all older sedimentary rocks, and ranging in composition from diorite to quartz monzonite. All these intrusives are thought to be related to the same cretaceous intrusive event.

Structural Geology

The present erosion surface at Maxi has exposed a horseshoe shaped package of paleozoic rocks opening toward and plunging to the west. These rocks are surrounded on the other three sides by Cretaceous intrusive and proterozoic metamorphic rocks. This present basin shaped re-entrant has no apparent relationship to the original depositional environment of the paleozoic sequence.

Four phases of structural deformation have been observed to occur regionally on the Maxi. These have been arbitrarily designated f_1, f_2, f_3, and a late phase of regional block faulting. Before describing these events in more detail it should be mentioned that more locally, particularly near contacts with the intrusive bodies, the structure becomes much more complex. Also within the proterozoic, older structural events make the deformational picture more complicated. No attempt was made to closely delineate these two aspects of the structural geology on the property since they are considered peripheral to the main geologic problem of delineating strata-bound lead-zinc mineralization in the Paleozoic rocks.

It is arguable that f_1 is not strictly speaking a true structural event. The designation was however used to describe primary depositional features such as bedding on which it is believed movement probably occurred during early diagenesis. The nature of the stratigraphy and its depositional geometry have certainly had some affect on later deformation.

The major folding event observed on the property occurred during or after Mississippian and before the Cretaceous and is designated f_2. During this period compression from 020° and 200° caused very tight usually isoclinal folding along a 110° axis. Generally the folds are overturned to the south with limbs dipping northerly $30\text{-}60^{\circ}$, however, in the central part of the property vertical dips are common. A very strong penetrative axial plane cleavage is well developed in the paleozoic rock succession. This foliation is sub-parallel to the bedding and usually quite difficult to distinguish from it,

on the fold limbs. Because the fold crests are very tight and complex they are somewhat difficult to see particularly in the black shale units. The distinction between f_2 foliation and compositional banding or bedding is best observed in drill core where the angular relationship between them is usually less than 5°. A well developed f_2 lineation was also mapped with a direction of 110° and westerly plunges of $5 - 35^{\circ}$. It is believed that these lineations are formed at the intersection of bedding and f_2 foliation and represent the axis of f_2 folding.

A very consistant nearly vertical set of joints, shears, faults and minor fold axes trending approximately 015° typifies the f_3 phase of deformation. The folding during this event appears to be relatively minor with most folds being of the kink-fold type: i.e. straight undeformed limbs and fractured crests. It's apparent that the rocks reacted in a more brittle fashion during f_3 deformation and this could be a result of regional metamorphism during or after the f_2 event. A strong f_3 lineation was developed at the intersection of the f_2 foliation plane and f_3 cleavage and/or joint planes. Although the f_3 structures do on a minor scale deform f_2 structures, this disruption does not have any regional effect on the f_2 trends. It is interesting to note that Cretaceous dykes most commonly have intruded along the f_3 joint planes hence f_3 deformation had to occur before or during Cretaceous times. Several faults which show considerable movement also trend parallel to the f_3 fracturing however it is difficult to say whether all movement was contemperaneous with or later than the f_3 event.

The final phase of deformation observed on Maxi and regionally is a rather randomly oriented system of major high angle block faulting. This is most clearly illustrated on the property by the Anderson River fault, on which very significant movement occurred with the south block being apparently down-dropped relative to the north block.

Metamorphism

Regionally the Paleozoic rocks on the Maxi Property have been only weakly metamorphosed to the lower Green-Schist Facies. This has resulted in partial phyllitic recrystallization and minor chlorite development in the shales and other pelitic sediments. The limestones are deformed but only partly recrystallized. Local hornfelsing and high temperature, garnet facies, metamorphism does occur near the intrusive contacts but is restricted in areal extent.

Economic Geology

Maxi Zone: The original discovery of stratiform zinc-lead mineralization on the Maxi Property was made in a deeply incised canyon on Kulan Creek. Plate 13 is a detailed geologic map of this area. The stratigraphy in this area appears to be overturned with the Cambrian-Ordovician Wavy Banded Limestone now overlying a sequence of black graphitic and usually somewhat calcareous, shales believed to be of Ordovician-Silurian age. The major f_2 foliation and bedding have strikes varying from 60° to 125° and dip at 20-60° to the north. The strongest mineralization occurs in the shales immediately

above the contact with the Wavy Banded Limestone. Drill core observations clearly show the sub-parallel relationship between bedding and the f_2 foliation. The sulphide mineralization, consisting mostly of a red brown sphalerite with lesser galena, has been remobilized and recrystallized along the foliation and considerable local enrichment was observed where sulphides have migrated into low pressure areas such as minor fold crests and joint intersections. This remobilization occurred along both f_2 and f_3 structures. Although the mineralization appears to be laterally continuous, selective concentration of sulphides during remobilization has resulted in widely differing thicknesses and grades on mineralized horizons, both along strike and down dip. Assays by earlier workers which are not included as part of this report and drill core assays from DDH-1 and DDH-2 indicate that mineralization is well below economic levels in this zone.

Lower down in the canyon two other zones of stratiform mineralization were mapped and these are assumed to be higher in the section than the main showing. Although no definite fold repetition was observed during the mapping, recognition of such folding in the very uniform black shales is very difficult, hence placement of these zones stratigraphically is not certain. These zones are very narrow over-all and individual bands seldom exceed several centimetres except in selective remobilized concentrations, mineralogically they differ from the main showing in that they contain more galena and minor chalcopyrite. DDH-3 was drilled to test the easterly strike extent of the most southerly of these zones and only minor mineralization was encountered.

The three main zones have several common characteristics. The sulphides are invariably accompanied by thin lamellar quartz bands. Individual sulphide bands seldom exceed several centimetres in width, and a concentration of these bands may be found in specific zones for up to ten metres across strike. On the weathered surfaces minor sphalerite when oxidized can give rise to widespread hydrozincite. A greenish yellow plumbo-jarocite is often present where galena is being oxidized. Limonite and black manganese staining is common near mineralized areas.

Mite Showing: 29,500E - 31,000E, 21,000N

This showing appears to be similar in type and stratigraphic position to the Maxi Zone. Stratiform lead-zinc mineralization occurs in a highly deformed synclinal trough completely surrounded by older Wavy Banded Limestone. The syncline is overturned to the south with limbs dipping 40 - 50° northerly and its axis trending 110° and plunging westerly at approximately 15°. The trough is eroded away to the east and appears to be cut off by faulting to the west. Deformation is more complex and metamorphic grade higher than in the Maxi Zone.

Magnum Showing: 13,800E - 17,000N

This showing was exposed by a small hand trench during follow-up prospecting of some very high soil geochemistry anomalies. Only shattered oxidized bedrock could be exposed

by hand. Disseminated galena and strong hydrozincite was encountered associated with an ankeritic stockwork in black argillites thought to be of Silurian-Devonian age. The showing itself is only exposed in this single trench however it occurs within a very large area of anomalous soil samples.

All other mineral showings observed were quite minor and are described on the geologic maps.

DRILLING

The table below is a summary of the five holes drilled on Maxi during the 1978 season.

Hole	Total Depth	Coordinates	Inclination	Bearing
XC-1	153M	21037N 25305E	-60°	180°
XC-2	151.2M	21104N 25065E	-60°	180°
XC-3	92.4M	20720N 24908E	-60°	160°
XC-4	122.8M	20800N 25529E	-60°	180°
XC-5	117.4	20800N 25729E	-60°	180°

Detailed logs and all assay information appears in Appendix 4 at the back of this report and a location map (Plate 24) is in the back pocket. All five holes were drilled to test extensions of exposed mineral showings in the Maxi Zone. All significant mineralization was assayed and rock geochemistry analysis was done routinely at approximately 10 metre intervals.

REMARKS

The extensive surface geological, geochemical, and geophysical surveys described in this report have delineated a number of

areas which warrant more detailed work and ultimately drill testing. Specifically the Maxi Zone and, the Mite and Magnum showings warrant more thorough examination as well as several other geochemically and geophysically anomalous areas.

RECOMMENDATIONS

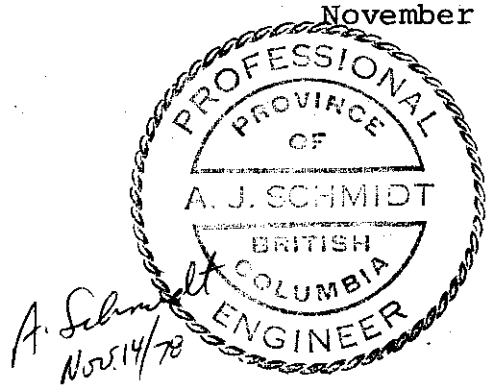
Further detailed surface evaluation work is recommended on anomalous zones delineated by the 1978 work program, leading to further drill testing.

G.A. Clouthier
Project Geologist

J. Vyselaar
Geophysicist

G.L. Holland
Geologist

November 14,1978.



A. Schmidt
Nov. 14/78

APPENDIX III

ABBREVIATIONS USED ON GEOLOGIC MAPS

ABBREVIATION INDEX FOR GEOLOGIC MAPS

ROCK TYPES:

arg	- argillite	lst	- limestone
bx	- breccia	peg	- pegmatite
cht	- chert	phyll	- phyllite
congl	- conglomerate	porph	- porphyry
dior	- diorite	qtzite	- qtzite
dolo	- dolomite	sandst	- sandstone
gd	- granodiorite	sch	- schist
gn	- gneiss	sh	- shale
intr	- intrusive	sltst	- siltstone

MINERALS:

bio	- biotite	kspa	- k-feldspar
calc	- calcareous	lim	- limonite
carb	- carbonate	musc	- muscovite
cpy	- chalcopyrite	plages	- plagioclase
chl	- chlorite	po	- pyrrhotite
felds	- feldspar	py	- pyrite
ga	- galena	qtz	- quartz
garn	- garnet	sil	- siliceous
graph	- graphite	sph	- sphalerite
hz	- hydrozincite	trem	- tremolite

TEXTURES:

amygd	- amygdaloidal	ff	- fracture filling
A.P.	- axial plane	interbd	- interbeds
bd	- band	I.B.	- interbedded
blders	- boulders	j'ting	- jointing
comp	- compositional	lam	- lamella
cont	- contorted	mass'v	- massive
x-cutting	- cross-cutting	pheno	- phenocrysts
f_2	- phase 2 folding	recryst'd	- recrystallized
f_3	- phase 3 folding	recumb	- recumbant
fol	- foliation	sh'd	- sheared
fract	- fracture	slty	- silty
vn	- vein	struct	- structure
wth	- weathered	W.S.	- weathered surface

MISCALLANEOUS:

assoc	- associated	m	- meter
bk	- black	mod	- moderate
brn	- brown	N	- north
cm	- centimeter	o/c	- outcrop
c.g.	- coarse grained	oran	- orange
drk	- dark	//	- parallel
f.g.	- fine-grained	poss	- possible
gry	- gray	prob	- probably

grn	- green	~	- roughly
horiz	- horizontal	str	- strong
inacces	- inaccessible	vert	- vertical
irreg	- irregular	v	- very
lg	- large	wht	- white
lt	- light	w/	- with
m.g.	- medium grained		

APPENDIX IV

DRILL LOG AND ASSAY RESULTS

PAGE NO.: 1 OF 2 | PRL: MAXI | HOLE NO.: XC-1

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: AUGUST 4, 1978 | REF. TO CLAIM CORNER: MIDI 66

COORDINATES: 21037 N. 25305 E. | DATE FINISHED: AUGUST 10, 1978 | SCALE: 1"100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 153 M | LOGGED BY: G A CLOUTHIER

INTERVAL WIDTH	CORE DEPTH INTERVAL FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	Zn	Ag	Cu	Mo	SLUDGE DEPTH INTERVAL FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY
3M	7	10	72026A		93	.03%	.07%									
1M	10	11	72027A		95	2200 ppm	1000 ppm	.1 ppm								
3M	19.5	22.5	72028A		70	.44%	.64%									
1M	30	31	72029A		64	8 ppm	70 ppm	.1 ppm								
1.7M	39.5	41.2	72030A		68	700 ppm	530 ppm	.1 ppm	30 ppm	9 ppm						
2.6M	41.2	43.8	72031A		88	.02%	.07%									
1M	50	51	72032A		97	16 ppm	305 ppm	.1 ppm								
1M	60	61	72033A		54	8 ppm	148 ppm	.4 ppm								
1M	63	64	72034A		80	.08%	.52%									
1M	70	71	72035A		103	16 ppm	1250 ppm	1.2 ppm								
1M	80	81	72036A		98	.10%	.13%									
1M	84.5	85.5	72037A		90	<.01%	1.0%									
1M	90	91	72038A		92	8 ppm	106 ppm	.1 ppm								
1M	100	101	72039A		101	20 ppm	104 ppm	.1 ppm								
1M	110	111	72040A		96	10 ppm	102 ppm	.2 ppm								

PAGE NO.: 2 OF 2
CASING COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 21037 N. 25305 E.
INCLINATION: -60° BEARING: 180°

PROJECT: MAXI
DATE STARTED: AUGUST 4, 1978
DATE FINISHED: AUGUST 10, 1978
TOTAL DEPTH: 153M

HOLE NO.: XC-1
REF. TO CLAIM CORNER: MIDI 66
SCALE: 1:100
LOGGED BY: G A. CLOUTHIER

INTERVAL WIDTH	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag
1M	120	121	72041A		100	4 ppm	98 ppm	.2 ppm
1M	130	131	72042A		61	22 ppm	210 ppm	.2 ppm
2M	132.5	134.5	72043A		94	<.01%	.02%	
1M	140	141	72044A		88	10 ppm	96 ppm	.1 ppm
1M	149	150	72045A		107	<.01%	.07%	

SLUDGE DEPTH INTERVAL FROM	SLUDGE DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

HOLE NO.: XC-1 | PROJECT: MAXI | PAGE NO.: 1 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: August 4, 1978 | REF. TO CLAIM CORNER: Mid. 66

COORDINATES: 21037 N. 25305 E. | DATE FINISHED: August 10, 1978 | SCALE: 1:100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 153M | LOGGED BY: G.A. CLOUTHIER

COMMENTS: ..% Pyrite

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Carbonate (vein)	ALTERATION: Lamellar Qtz	ALTERATION: Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0							0-1.0 M STICK-UP							
1							1.0-4.3 M OVERBURDEN							
2														
3														
4							4.3- 67M		4.3					
							BLACK GRAPHITIC SHALE: only slightly metamorphosed generally although it may be locally phyllitic. Some sections of limy shale + shaly limestone. Color may vary to a medium gray in less graphitic sections		4.6	50				
5														
6				Strong	Tr. Gal		Minor Sph in thin Lamina w̄ qtz over 3cm.			52				>0.2 Zn
							GUARTZ VEINING Coarse Bull Qtz veins + fracture fillings with varying amounts of Carbonate are common. Lamellar qtz veins in the foliation are present in varying amounts in the core and are usually strong where galena sph. are found.							Tr Pb
7									6.9			7		
8					Py Sph		Minor Sph in Qtz. lam.			97				
							4.6-9 M Limonitic oxidation on fractures							
							Mineralization Sph. with Traces of galena occurs w̄ qtz lamellae on the foliation planes of the shale in minor amounts and over narrow widths		8.9					
9							Tr Gal on fol							.2 Zn
							8MM Sph + Qtz on fol			89				Tr. Pb
							Limy section 20cm							
10				Moderate			10cm thin qtz sph. Lam		10.0		NQ wireline	10		
11							Sph + Q on fol			95		11		>0.2 Zn
							Limy Section 8cm		11.3					
							Py po Bed 15cm in Q		11.6	153				
12					Tr Po		4mm QV							
							Hanline py ff.			44				
13							Carb. ff		13.0					
							Limy Section 6cm			92				
					Py Sph		5mm QV with diss py		13.9					>0.2 Zn
14							Limy Section 30cm							
				Mod						53				
15				Sh			QVing over 3cm with cg diss py							

Sulphides: Tr. pyrrh. Py + Sph + Gal + Py Sph

HOLE NO.: XC-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: -60°
BEARING: 180°

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 153 M.

PAGE NO.: 2 OF 11
REF. TO CLAIM CORNER: Midi 66
SCALE: 1:100
LOGGED BY: G. A. Clouthier

COMMENTS:

AVE CORE REC'Y / HOLE: 88

SECTION	ALTERATION: Carbonate	Lamellar Qtz	Bull Quartz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
15							BLACK GRAPHITIC SHALE cont.		15.1					
16							Qtz Carb vein 8cm			68				
								2	16.2					
17							Note: The carbonate associated w̄ coarse qtz veins is a tan colour and, rusty weathering in surface exposures This indicates some iron content. It does not fizz with Dilute HCL unless it is powdered. Probably a ferro-dolomite		78				<0.2
							Str. Qtz Carb lamellae		17.4					Tr
18							Carb ff		18.3	89				
19							Qtz Carb veining		19.1	76				
							Limy Phyllite 8cm	3				19.5		
20							Str Sph Min w̄ qtz over 11cm		20	83				
21							Py ff in qv.			59				.5%
							Limy sh. over 20cm		21.2					
22							Diss sph on fol. w̄ qtz 5cm; 1mm Py ff minor po			65				(Tr)
							Limy sh over .7m	3	22.3					
23							intensely contorted Qtz Carb vein		22.9	100		22.5		
24				Moderate	Pyrite Sphalerite Minor pyrrhotite		Speck Gal in qtz carb vein w̄ Py			100	NQ wireline			<.2 (Tr)
25									24.4					
										84				
								1½	25.3					<.2
26							Hairline Gal. on fracture		25.9	75				(Tr)
									26.7	86				
27							intensely contorted w̄ cg diss Py		27.1	95				
28										82				<0.2
									28.3					
29										60				(T)
				Mod-Str			Qtz Carb veining w̄ cg diss Py		29.2					
30									29.9	67				

22 M * Compositional banding lt-Dk gray parallel to f_1 foliation

22.5 - 27.5 M core cutting section at angles varying from 85° to 40° reflecting minor folding.

HOLE NO.: XC - 1 | PROJECT: MAI | PAGE NO.: 3 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER: Midi 66

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1:100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 153 M | LOGGED BY: G.A. CLOUTHIER

COMMENTS: Po = pyrrhotite

AVE CORE REC'Y / HOLE: 98%

ALTERATION: Carbonate | Lamellar Qtz | Bull Qtz

FRACTURING: Moderate

MINERAL: Py minor Po

GEOLOGY: Moder Str (MoS2) x ? Sph

DESCRIPTIVE GEOLOGY

SECTION	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30	→ x-cutting qtz carb veining BLACK GRAPHITIC SHALE cont.		30.3			30		Zn (Pb)
31				64		31		
32	→ QV w minor carbonate over .5 M ~ concordant	1%	31.7					<0.2 (Tr)
33	→ QV w carb approx 12cm → chloritic margin w/ fuzzy Qtz.			86				
34	→ Py ff'd w carb 2mm → Qtz carb vein w/ diss py 10cm		33.7					
35	→ limy sh over 5cm	1%	34.6	100				<0.2 (Tr)
36	→ 1cm Qtz ± carb			105				
37	→ Qtz carb vein ~ 0.8cm ~ concord- → Ser. diss Py over 5cm		36.1	89				<0.2 Tr
38	→ 1cm ±V → Silty boudin or flag ~ 50cm → Pavilinic py ff		37.8	82				
39	→ Hairline py po ff		39.0					
40	→ Irreg pyrrh. veinlet w/ py + (MoS2)? ± qtz. ~8mm.		39.6	63		39.5		<0.2 Tr
41	→ 9cm QV. → 2cm pyrrh. py vein w/ cpy + minor (MoS2 ?)		42.5	82				Mo Cu Zn Pb
42	→ Po blebs in qtz minor (MoS2) → 2cm diss sphal on lamellar qtz	42.0 - 42.6 Siltstones	41.3	54		41.2		Zn Pb
43	→ Minor sph → Minor sphal in qtz in 1cm thin limy band	42.8 - 43.8	42.8	101		43.9		
44		BANDED LIGHT GRAY SILTY L.S. AND SHALE compositional banding appears parallel to foliation in shales	43.6	75				
45			45	71				

Rock Geochem

Assay

HOLE NO.: XC-1 | PROJECT: MAXI | PAGE NO.: 4 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER: Midi 66

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1:100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 153M | LOGGED BY: G. A. CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE: 88%

SECTION	ALTERATION: Carbonate	Lamellar Qtz	Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
45							BLACK GRAPHITIC SHALE cont.		45					
46							Note: Very sharp isoclinal folding of minor quartz veins cross cutting main foliation caused by movement on planes		46	95				<0.2
47								1½	47.5	102				(Tr)
48										77				
49				Moderate	Tr Sph		49M–67M Strong bull qtz.		48.8					
50								1½	50.3	96		50		<0.2 (Tr)
51										98		51		
52					Tr. MoS2				51.8		NQ wireline			<0.2
53							52.8–56A Very strong coarse quartz carb veining generally sub parallel to foliation	1½	53.2	94				(Tr)
54				Strong	Pyrrhotite					106				
55							Limy Shale		54.7					<0.2
56								2½	56.2	101				(Tr)
57										98				
58				Moderate					57.8					<0.2
59								2½	59.1	108				(Tr)
60									60	61				

- 1.5cm QV w̄ carb
- Limy section .5m
- Tightly folded QV 5mm
- Minor Sph in QV
- QV 3cm w̄ carb
- Po veinlet .5cm
- Diss py
- Limy Sh ~.8M
- po bleb .6cm w̄ MoS_2
- po Pi
- Diss Po
- Diss po blebs in
- Limy Shale
- 1M QV minor carb on margins, w̄ minor py
- Po blebs + diss
- Limy Sh
- Po blebs
- 3cm QV carb on margin
- Po blebs
- Limy Sh
- 2cm QV
- Limy Sh
- 3cm QV

HOLE NO.: DDH-XC-1 | PROJECT: MAXI | PAGE NO.: 5 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER: Midi 66

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1:100

INCLINATION: −60° | BEARING: 180° | TOTAL DEPTH: 153 M | LOGGED BY: G A Clauthier

ALTERATION: Chlorite | Carbonate | Lamellar Qtz | Bull Qtz | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE: 88 %

DESCRIPTIVE GEOLOGY

BLACK GRAPHITIC SHALE cont.

- Limy Sh.
- 2cm qv
- Py Po blebs ∞ lam. qtz
- Minor Sph. on lam over .4M
- 10cm qv
- Irreg. qv ~2cm
- Highly contorted limestone
- qv ~3cm
- 10cm qv
- 1mm qtz lam ∞ diss Sph
- Po py bleb 2cm
- 3mm qtz lam ∞ diss sph
- Limy Shale

67M – 71.6M Limy Black Graphitic Shale

Note: 67–82.5M Mixed Limy + Non limy BLACK SHALES

Moderate | Pyrite, Mod Pyrrhotite, Sph

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60		60	54	wireline	60		Zn (Po)
		60.7					
61		61.3	38		61		<0.2
	2	61.7	38				(Tr)
62			75				
		62.6					
63					63		
			80				0.42n
64					64		
		64.2					
65	2½		95				<0.2
		65.8					Tr
66			91				
		66.9			67		
67	1%		87	NO			
		68.0					
68		68.3	123				
			95				
69		69.6					
		70.1	74		70		
70	1		163				
		71.2			71		
71		71.6	90				
		71.9	133				
72		72.5	37				
			70				
73	1	73.5					
		73.9	162				
74			92				
75							

HOLE NO.: DDH-XC-1		PROJECT: MAXI	PAGE NO.: 6 OF 11
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 88%

SECTION	ALTERATION: Chlorite	Carbonate	Lamellar Qtz	Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
75								BLACK GRAPHITIC SHALE Carb w̄ lamellar qtz and in tensional f.f.		75					
										75.4	60				
76								~5mm Sph in lam. Qtz	1	76	92				<0.2
										76.4	70				
77								76.7M – 77M strong phyllitic texture 15cm Qtz carb veining + Bx w cg py			105				(Tr)
								77.7M – 79.9M Limy Shale		77.9					
78								f.f. carb qtz vein			86				
79										78.8					<0.2
									1		99				
80										80.2			80		
								wk sph in Qtz Lam over 30cm		80.8	98				0.2
81													81		
											104				
82										82.1					
								Qtz Carb veins 20cm Qtz Carb vein 10cm	1		105	NQ (wireline)			<0.2
83					Moderate	Pyrite Pyrrhotite				83.2					
											106				
84										84.4			84.5		<0.2
85								Str sphal Min. over 7cm. w qtz			90				0.3
									1				85.5		
86								86.1 – 87.2 Strong x-cutting quartz carb veining		86.1					<0.2
											81				
87								Drussy Qtz in cavity		87.3					
											73				
88					Str.			Diss Po over 30cm		88.2					
								Qtz carb vein 10cm	1		97				<0.2
89										89.3					
											84				
90															

HOLE NO.: DDH-XC-1 | PROJECT: [illegible].AXI | PAGE NO.: 7 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Chlorite	Carbonate	Lamellar Qtz	Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
90								BLACK LIMY GRAPHITIC SHALES cont.		90.4	84		90		
91									1	91.1	100		91		<0.2
92					Strong			Carbonate in tension fractures			92				(Tr)
93								Strong Qtz Carb veining over 1 meter		92.8					
94											105				<0.2
95								94.3-98.1 GREY TO BLACK INTERBEDDED LIMESTONE AND LIMY SHALE Banding varies from 1 mm to rarely 1 cm. with Limestone light gray and slightly silty.	1½	94.3	95				(Tr)
96								qv contorted along foliation planes qtz carb veining		95.9					
97					Moderate	Pyrrhotite Minor Sph. Tr. Gal		carb filling tension fractures Note Two types carbonate ① white calcite filling tension fractures ② Buff ferro dolomite associated w qv'ing Note pyrrotite becoming more common down the hole			108				<0.2
98								Qtz Carb veins 4cm 10cm Speck gal. minor diss sphal on fol Minor sphal on fol. 2mm po on fol.	1½	97.4	86				(Tr)
99								99.2-100.5M Black Limy Shale minor light gray silty L.S. bands		98.5	107				
100					Strong - Moderate				1	100			100		<0.2
101								100.5-104M Strong Bull quartz veining w ferrodol. minor Bx'N of Shales near vein contacts Coarse py and minor pyrrhotite near qtz vein contacts			101		101		Tr
102										101.5	105				
103								very phyllitic	1	103	95				<0.2
104								104.4- M Black Limy Shale w minor Silty Limestone bands		104.5	76				Tr
105										105					

HOLE NO.: DDH-KC-1 | PROJECT: MAXI | PAGE NO.: 8 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

ALTERATION: Chloritic | Carbonate | Lamellar Qtz | Recrl Qtz

FRACTURING: Mod. | Str | Mod | Str | Mod

MINERAL: very minor Sph | Pyrite, Pyrrhotite more common

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

BLACK LIMY SHALE cont.

- Tension fracture w calcite Late X-cutting
- Tension gashes
- Compositional banding parallel to fol.
- po in 1cm
- Very weak lamellar qtz + foliation
- qtz carb vein isoclinally folded on fol plane axis
- po in 1cm QV
- 15cm qu minor ferro carb. on margins.
- Complex irreg QVing with wallrock bx'n over .4m
- 1mm fol qtz with diss sph
- 1mm po on fol.
- Speck Sph.
- Irreg QV w wallrock bx'n over .6m
- speck sph in tension fract.
- 15cm QV
- very minor sphal w qtz

111.6

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn	ESTIMATED Pb
105		105						
			109					
	1	106.6						
			72					
		108.2						
		108.8						
		109.2	53					
	1							
			96		110			
		110.6						
					111			
			96					
	1	112.2						
			93					
		113.7						
			116					
	1	115.2						
			90					
		116.7						
			96					.22 Zn
	1	118.3						
			98					
120		119.8						

1/8 wireline

HOLE NO.: DDH-XC-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Chlorite	Carbonate	Lamellar Qtz	Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn Pb
120					Mod – Str	Minor Galena Tr Sph		→ x cutting qtz carb vein continued. See Note P4 → Py Po w̄ qtz v. 2cm → 10cm qtz carb vein		120.5	141	NQ (wireline)	120		
121								121 – 126.4 BLACK GRAPHITIC SHALE w̄ minor Limy Shales	1½		58		121		<2 Zn
122								→ 8cm qtz carb vein		122.2					
123								→ 1.5cm qtz carb vein			79				
124								→ .8cm qtz carb vein → 3cm qtz carb vein		123.4					
125								→ py po veinlet ~ fol. 2mm	2		59				<0.2 Zn
126								→ 4ccm qtz vein w̄ carb and Bx'd frags of wall rock		125.1	52				
127					Moderate	Pyrite Pyrrhotite		→ Po bleb 1cm w̄ py reaction Rim		126.5					
128								→ Str. diss po py on fol w̄ qtz	1		40				
129								→ Light Limy colour banding → 4cm qu		128	84				
130										128.8	66				
131								→ Sph diss over 16cm	1	130	61		130		.2 Zn
132								→ Sph diss over 1cm		131.5			131		
133								→ Diss Sphal + Cal w Qtz over 3cm			105		132.5		
134								→ 2cm qu w̄ py po → minor diss sphal in fol	1	133	94				.2 Zn Minor Pb
135										134.5	104		134.5		

HOLE NO.: DDH-XC-1 | PROJECT: MAXI | PAGE NO.: 10 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

ALTERATION: Chlorite, Carbonate, Lamellar Qtz, Ball Qtz | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

LIMY BLACK GRAPHITIC SHALES cont.

135 – Qtz Po veinlet ~ 10cm

136 – 136

137 – 1361 – 1 – 102 – ∠0.2

138 – 8cm Qv – 1376

139 – 95

140 – 1392 – 1/2 – 108 – ∠0.2 – 140

141 – Shear zone 1a cm ~ – 140.5 – 141

142 – Py po Bleb 2cm diam Minor Sph + Po See Not – 84

143 – Str. arc carb veining cut + cutting fol – 1421 – 1 – 99 – ∠0.2

144 – Minor disc sph – Stray Qtz carb veining cut and cutting fol – 6cm Qv – cm minor Sph. – 143.7

145 – 72

146 – cg po in qtz – 1453 – 1 – 107 – ∠0.2

147 – cg po in qtz – 146.8

148 – Specks of gal in QV – 105 – Tr Pb

149 – Specks of po upto 1cm – 1483 – 1/2 – 107 – 149

150 – Sph in complex isoclinal fold crests over 10cm – 1493 – .5ZN

Note: pyrite → pyrrhotite; Reaction Rim pyrrhotite → pyrite

Moderate Strong Pyrite Pyrrhotite Sph + Minor Gal Mod

NQ wireline

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
135							
136			136				
137	1	1361	102				∠0.2
138		1376					
139			95				
140	1/2	1392	108		140		∠0.2
141		140.5			141		
142			84				
143	1	1421	99				∠0.2
144		143.7					
145			72				
146	1	1453	107				∠0.2
147		146.8					
148			105				Tr Pb
149	1/2	1483	107		149		
150		1493					.5ZN

HOLE NO.: DDH - XC - 1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 11 OF 11
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

SECTION	ALTERATION: Chlorite	Carbonate	Lam. Qtz	Bull Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
150								LIMY BLACK GRAPHITIC SHALES								
151																
152					Vod	Pr Prr		po Blebs in qtz		1						<0.2
153								153m. Bottom of Hole								

NO.: 1 OF 1 | PROJECT: MAXI | HOLE NO.: XC-2

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: AUGUST 11, 1978 | REF. TO CLAIM CORNER: MIDI 43

COORDINATES: 21104 N. 25065 E. | DATE FINISHED: AUGUST 14, 1978 | SCALE: 1:100

INCLINATION: 60° | BEARING: 180° | TOTAL DEPTH: 151.2 METRES | LOGGED BY: G A CLOUTHIER

INTERVAL WIDTH	CORE: DEPTH INTERVAL FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	Zn	Ag			SLUDGE: DEPTH INTERVAL FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
1M	21	22	72046A		92	8 ppm	26 ppm	.1 ppm												
1M	30	31	72047A		95	4 ppm	62 ppm	.1 ppm												
1.5M	39	40.5	72048A		88	<.01%	.25%													
1M	50	51	72049A		93	4 ppm	68 ppm	.1 ppm												
1M	60	61	72050A		97	2 ppm	48 ppm	.1 ppm												
1M	71.5	72.5	72051A		87	<.01%	.27%													
1M	80	81	72052A		71	58 ppm	170 ppm	.6 ppm												
1.5M	90	91.5	72053A		92	.02%	.02%													
3M	99	102	73054A		79	.02%	.11%													
1M	104	105	73055A		49	.01%	.52%													
1M	110	111	73056A		42	6 ppm	240 ppm	.1 ppm												
25M	127.5	130	73057A		94	.01%	.07%													
2M	130	132	73058A		102	.02%	.17%													
1M	140	141	73059A		69	1 ppm	174 ppm	.1 ppm												
1.2M	150	151.2	73060A		82	2 ppm	122 ppm	.1 ppm												

HOLE NO.: [illegible]-2		PROJECT: M[illegible]1	PAGE NO.: 1 OF 10
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED: AUG 11, 1978	REF. TO CLAIM CORNER: MIDI 43
COORDINATES: 21104M N.	25065M E.	DATE FINISHED: AUG 14, 1978	SCALE: 1:100
INCLINATION: 60°	BEARING: 180°	TOTAL DEPTH: 151.2 METRES	LOGGED BY: G A CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4%

SECTION	ALTERATION: Chlorite	Carbonate	Lam Qtz	Coarse Qtz V	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
0								0 - 21M OVERBURDEN							
21					Moderate	Pyrite Minor Po		21 - 79.4 INTERBEDDED SILTY LIMESTONE AND LIMY SHALE (WAVY BANDED FORMATION) Dk Gray to light gray compositional banding, Individual banding Varies from 1mm - 1cm in thickness Banding is wavy with L.S. tending to thicken and thin in individual bands often forming boudens with more shaly bedswrapped around them. Large semi-concordant quartz veins are present probably of metamorphic origin Calcite is common as fracture fillings particularly in tensional low pressure fractures Pyrite is present as disseminations and fracture fillings but only in minor amounts		21.0			21		RS.
22								8cm qv	1	22.0	92.0		22		
23										23.0	106.0				
24								12cm qv			94.1	NO WIRELINE			
25								Shear zone w Bx'd margins 10cm. str. diss py	1	24.5	91.5				
26										26.2					
27								irreg. qtz carb vein			96.8				
28									1	28.4					
29											102				
30										29.9					

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 21104 M N. 25065 M E.
INCLINATION: 60°
BEARING: 180°

PROJECT: MAXI
DATE STARTED: AUG 11, 1978
DATE FINISHED: AUG 14, 1978
TOTAL DEPTH: 151.2 METRES

PAGE NO.: 2 OF 10
REF. TO CLAIM CORNER: MIDI 43
SCALE: 1:100
LOGGED BY: G A CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Lamellar Qtz	Coarse Qtz V.	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Zn (Pb)
30								INTERBEDDED SILTY LIMESTONE AND LIMY SHALE cont					30		RC
31											94.7		31		
32									<1	31.4	98.0				
33								Str ff cal		32.9					
34						Pyrite Pyrrhotite Minor Sph					95.4				
35								Str ff calcite	<1	34.4	44.2				
36								Diss py po over 1cm pass from (grnish fibrous mineral)		36.0					
37											92.1	NQ WIRELINE			
38									<1	37.5	95.4				
39								1.5cm Qtz Sph carb py veinlet		39.0			39		Assay 0.3
40								c g diss py w qtz carb Tension gashes minor Sph w̄ qtz + py	<1	40.5	87.6		40.5		
41								Bx'd qu 1cm w̄ py							
42								Shearing with some bx'n on margins 5cm			88.2				
43								Grn Chl. rock pass. minor dike 4cm discordant		42.1	94.8				
44								QU 15cm wide Tr. Sph in qu	<1	43.6	98.7				
45										45.1					

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 21104 N. 25065 E.
INCLINATION: 60°
BEARING: 180°

PROJECT: MAXI
DATE STARTED: AUG. 11, 1978
DATE FINISHED: AUG. 14, 1978
TOTAL DEPTH: 151.2 METRES

PAGE NO.: 3 OF 10
REF. TO CLAIM CORNER: MIDI 43
SCALE: 1:100
LOGGED BY: G. A. CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellae	Qtz c. vein	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Zn (Pb)
45								INTERBEDDED SILTY LIMESTONE AND LIMY SHALE cont.		45.1					
46											94.8				
47								~> Qtz carb vein >cm; 47 – 49.4 M Str. fracturing w̄ calcite fracture filling strong disruption of bedding	<1	46.6					<.2
48					Strong						94.8				
49										48.2					
50					Mod			~> Diss py	<1	49.7	94.7				<0.2
51								~> Str. pyff w qtz.			92.8		50		<0.2 RG
52					Strong	Pyrite		51.2 – 52.9 M Shear zone strong grinding shearing + Bx'N		51.2			51		<0.2
53									<1	52.7	48.0	NQ WIRELINE			
54								~> 4cm qtz carb veins			89.5				
55										54.2 / 54.6	64.5				<0.2
56					Moderate				<1	55.8	79.5				
57								5 cm wide cal. ff with ang. shale frags; Qtz carb. veinlets 1-2 cm			95.4				
58										57.3					<0.2
59								~> 6cm w cal ff w̄ ang rock frags	<1	58.8	74.5				
60										59.7	86.8				

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAX1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 4 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Qtz ham	Qtz c-veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Zn (Pb)	
60								INTERBEDDED SILTY LIMESTONE AND LIMY SHALE cont					60			RG
61								*Note Below 60M shale component becoming larger indicating weakening in carbonate depositional environment. Appears to leading to Lower Road River Limy Graphitic Shales			96.7		61		<0.2	
62									<1	61.3	94.8					
63								*Note Common 5-10° angular discrepancy between compositional banding + f_2 foliation		62.8	75.8					
64								*Note Stronger diss py in more shaly rocks		63.7	80.3				<0.2	
65									<1	64.9	164.5					
66					Moderate	Pyrite Minor Po Minor Sph.		minor shear		65.2	69.9					
67								Str Local contortion		67.1		NQ WIRELINE				
68								10cm Qtz Carb	1		76.3				<0.2	
69										68.6						
70								5cm qtz carb veinlet			94.7					
71									1½	70.1	93.5				<0.2	
72								1.5cm qtz v with Str Sph Min. Note sph occurs in a darker more shaly section		71.0	86.8		71.5		.2 ZN	Assay
73										72.5	84.4		72.5			
74									1	73.8					<0.2	
75								ff cal w̄ ang. rock frags 3cm; 2cm qtz			94.1					

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAX 1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 5 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
75								INTERBEDDED SILTY LIMESTONE AND LIMY SHALE cont		75.3					
76										75.7	64.4				
77					Mod - Str			→ Strongly folded section → 10cm Qv → Py ff + diss Str. over 10cm	1½	77.1	62.8				<0.2
78								Note:  Carbonate ff show a white calcite core with buff ferro carb margins		77.7	80.3				
79										78.8	83.2				<0.2
80					Str.	Pyrite Minor Po Minor Sph		79.4 - 86.7M BLACK LIMY GRAPHITIC SHALE The change in the lithologies is gradational and the shale unit marked by general darkening of the rock, weakening in colour banding, a change from calcite as the dominant f.f. mineral to Ferro carb and qtz. Sulfide content increases in shales Py + Po most common Interbedded w̄ unit described P.1	2	80.0	58.2		80		
81										80.5	86.4		81		<0.2
82										81.4	54.9	NQ WIRELINE			
83								→ Qtz Carb vein 15cm → Hairline sph. f.f. Str Qving → Tiny specks sph → po f.f.	2	82.3	55.1				Tr
84										83.8	101.3				
85											89.5				
86									2	85.3	86.3				<0.2
87								→ Py Po ff diss + w̄ qtz → Speck sph		86.9					
88								INTERBEDDED SILTY LIMESTONE MIXED WITH BLACK GRAPHITIC LIMY SHALE (TRANSITION ZONE) 86.7M -			100.0				
89								→ Hairline sph ff on fol		88.4	83.7				
90								→ Minor sph w̄ py and Qtz over 2cm.		89.3	96.1				

RG

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAX1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

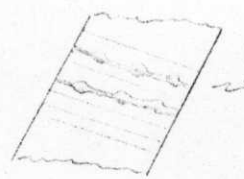
PAGE NO.: 6 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellae	Qtz C Veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)	
90								Cont.					90			
91								Sph + Py diss in qtz over 2cm; hairline sph pf		90.8	96.1				ZN .02	Assay
92								Minor Shear Zone; 4cm qv	2		85.5		91.5			
93								BLACK LIMY GRAPHITIC SHALE 92.2 — Down the hole the Shales become less limy + more graphitic + siliceous. This is a general trend with cyclical reversals		92.4					<.02	
94								irreg qv over 4-5cm w̄ str gal + sph			26.1					
95								3cm Qv w near massive py	2	93.9	72.4				<0.2	
96										95.4						
97								Note			62.0					
98								Qtz Lamellae in foliation Show beaded Shape Suggestive of minor boudens	1½	96.8	60.8				<0.2	
99										98.0	70.4		99			
100								Sphal w̄ qtz on fol Str over 10cm present over 50cm		99.6						Assay
101								Minor Sphal w̄ Qtz + py on fol.	2	100.9	78.4	NQ WIRELINE			.3	
102								Sph in 3mm Qv w py on fol		101.2	100					
103								Minor Gypsum w̄ calcite in Shear		102	77.9		102			
104								103.2 - 104.2 Shear zone poor recovery str Bx'N	2½	103.3	61.3					
105								1mm; Spucks sph; 2cm Str sph min w̄ qtz; 2cm Str Sphal min w̄ Qtz		104.8	48.3		104		.5	Assay

Moderate to Str; Pyrite Sphalerite Minor Galena; Str



HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAX 1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 7 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz C veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
105								→ irreg x-cutting QV w cg. py							
106								→ 6 cm qv w cg pyrite							
107								→ py in gash fillings			70.5				
									3 1/2	106.4					<0.2
108								1 cm qv w ferro carb on margins			86.8				
109					Strong					108.0					
								→ 20cm QV minor ferro carb			98.0				
110								→ 12cm QV minor ferro carb on margins	3	109.6					<0.2
111								→ 1cm qv					110		RS
112											41.5		111		
113															
114					Wk - Mod	Pyrite Tr. Sphalerite		→ 1cm qv	1	112.5	98.4	NO WIRE LINE			<0.2
115										113.7					
116											96.1				
								→ 12cm qv	1	115.2					<0.2
117								→ 12cm q. carb vein			85.5				
118					Strong			→ 4cm qtz carb vein w cg. py		116.7					
								→ 3cm qtz carb vein w c.g. py			94.7				
119									1	118.3					<0.2
120					Mod			→ speck sphal in qtz v.			69.7				
										119.8					

BLACK LIMY GRAPHITIC SHALE cont

105M - 110M Very siliceous, strong lamellar quartz, Only minor limy zones Qtz lamina also contain some buff colored ferro carb

Note: Minor light gray bands of more limy material

114.1 - 114.9M Limy compositional banding parallel - sub-parallel to cleavage

116 - 118.7 Strong Qtz carbonate veining with shearing on some margins

HOLE NO.: XC-2

COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. E.

INCLINATION:

BEARING:

PROJECT: MAX 1

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 8 OF 10

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 84.4

SECTION	ALTERATION: Chlorite	Carbonate	Lamellar Qtz	c.g. vein Qtz	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)	
120								→ Speck of sph w. py in QV					120			
								BLACK GRAPHITIC LIMY SHALE CONT.								
121								→ minor sph + speck MoS_2 (Gal?) w. py in 1cm QV			92.1					RG Mo
								→ cg py ff.					121			
122								→ Minor white mica w. qtz carb	1	121.3						
								} 15cm Light gray Limy unit			101.3				<0.2	
123								→ Hairline py ff		122.5						
124								123.7 - 126.8 M Strong Qtz Carb veining + shearing + minor cg. py ff.			100.0					
125									1	124.4						
126											88.8				<0.2	
										125.9						
										126.2	106.5					
127											104.6	NO WIRELINE				
128					Strong	Pyrite Sphalerite Tr. MoS_2 (Gal)		→ Sph. on fol. 2mm, 4mm thicknesses w. py	1	127.7			127.5			
129								→ Sph. <1mm on fol			91.5				.2	Assay
								→ Sph <1mm on fol								
130								→ Qtz Carb vein 30cm → minor sph		129.2						
								→ Minor Sph. over 20cm of core			95.6		130			
131								→ minor sph over 5cm	1	130.8						
								→ Minor sph in fractures			102.7				.2	Assay
132								132 - 137.9 M Black very Limy Shales weak silica		132.0			132			
133											72.3					
134									<1	133.5					<0.2	
											82.9					
135								→ Minor sph. on fol.		134.3						
											89.3					

HOLE NO.: XC-2
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 9 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 84.4

SECTION	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: Qtz Sericite	ALTERATION: Sericite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
135								BLACK GRAPHITIC LIMY SHALE cont.							
136								→ Carb vein offset by movement on fol. planes			89.3				
137					Mod			→ Minor drag on 1cm QV @ calcite Tension fillings		135.9					
138					Strong			Speck Sph on edge of 2cm QV w py 137.4 – 143 Siliceous Shale @ strong quing	<1	137.5	103.9				<0.2
139								→ Hairline Sph on Fol		138.7	54.9				
140					Mod			→ c.g qtz + PP py	<1	139.1	75.0				<0.2
141										140.6	64.1		140		
142					Strong	Minor Sph.		c.g. qtz > py			82.7		141		
143								→ PP in QV → Shear zone 10cm crushed core 143 – 151.18 M very Limy Black Shales	1	141.9	73.8	NQ WIRELINE			<0.2
144										143.1	103.9				
145										143.9					
146					Moderate Brittle			5cm QV @ minor Chlorite	1	145.5	87.5				<0.2
147								→ Qtz Carb veining over 80 cm		146.8	92.0				
148								faint colour banding.		148.0	90.2				
149									1	149.2	87.3				<0.2
150															

HOLE NO.: XC-2
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 10 OF 10
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
150					COMMENTS: AVE CORE REC'Y / HOLE 84.4							
					Cont.					150		
151		Abd	Py		151.2 Bottom of Hole			82.2	NQ WIRELINE			
							151.2			151		
152												

PAGE NO.: 1 OF 2 | PROJECT: MAXI | HOLE NO.: XC-3

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: AUGUST 15, 1978 | REF. TO CLAIM CORNER: MURPHY 3

COORDINATES: 20720 N. 24908 E. | DATE FINISHED: AUGUST 17, 1978 | SCALE: 1:100

INCLINATION: 60° | BEARING: 160° | TOTAL DEPTH: 92.35 METRES | LOGGED BY: G. A. CLOUTHIER

INTERVAL WIDTH	CORE: DEPTH INTERVAL FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	Zn	Ag			SLUDGE: DEPTH INTERVAL FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
1M	6	7	72061A		70	14 ppm	400 ppm	.2 ppm												
1M	10	11	72062A		83	2 ppm	225 ppm	.1 ppm												
1M	16.5	17.5	72063A		82	.02%	.04%													
1M	20	21	72064A		92	<.01%	.01%													
3M	27	30	72065A		83	.01%	.08%													
1M	37	38	72066A		103	.02%	.21%													
1M	41	42	72067A		92	<.01%	.02%													
1M	42	43	72068A		92	4 ppm	78 ppm	.1 ppm												
1M	49	50	72069A		83	.34%	1.15%													
1M	50	51	72070A		89	22 ppm	480 ppm	.1 ppm												
1.5M	54	55.5	72071A		53	.01%	.24%													
1M	60	61	72072A		40	36 ppm	174 ppm	.4 ppm												
1M	70	71	72073A		39	970 ppm	2300 ppm	2.8 ppm												
1M	80	81	72074A		96	12 ppm	162 ppm	.1 ppm												
1M	81	82	72075A		81	.07%	.07%													

PAGE NO.: 2 OF 2

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: 20720 N. 24908 E.

INCLINATION: 60° BEARING: 160°

PROJECT: MAXI

DATE STARTED: AUGUST 15, 1978

DATE FINISHED: AUGUST 17, 1978

TOTAL DEPTH: 92.35 METRES

HOLE NO.: XC-3

REF. TO CLAIM CORNER: MURPHY 3

SCALE: 1:100

LOGGED BY: G A CLOUTHIER

INTERVAL WIDTH	CORE: DEPTH INTERVAL FROM	CORE: DEPTH INTERVAL TO	CORE: SAMPLE NO.	CORE: INCHES REC.	CORE: % REC.	CORE: ASSAY Pb	CORE: ASSAY Zn	CORE: ASSAY Ag	CORE: ASSAY	CORE: ASSAY
1M	82	83	72076A		70	6 PPm	215 PPm	.1 PPm		
1M	90	91	72077A		84	4 PPm	270 PPm	.1 PPm		

SLUDGE: DEPTH INTERVAL FROM	SLUDGE: DEPTH INTERVAL TO	SLUDGE: SAMPLE NO.	SLUDGE: LBS. REC.	SLUDGE: % REC.	SLUDGE: ASSAY	SLUDGE: ASSAY	SLUDGE: ASSAY	SLUDGE: ASSAY	SLUDGE: ASSAY

HOLE NO.: XC-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 20720 N. 24908 E.
INCLINATION: 60°
BEARING: 160°

PROJECT: MAX 1
DATE STARTED: AUG 15, 1978
DATE FINISHED: AUG 17, 1978
TOTAL DEPTH: 92.35 METRES

PAGE NO.: 1 OF 7
REF. TO CLAIM CORNER: MURPHY 3
SCALE: 1:100
LOGGED BY: G. A. CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE 79.44 %

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz C. Veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
0															
1															
2								0-4.26 - OVERBURDEN							
3															
4								4.26 → 12cm qu → Isoclinal minor fold and cleavage		4.26					
5								Strong limonite on fract. No Zap	<1	5.1	58.8				<0.2
6									ox?		81.1		6		
7										6.7			7		
8								→ Large barren QU minor ferro carb.	<1	7.9	51.6	NQ WIRELINE			<0.2
9								→ well developed composition banding ~11 to f_2			65.4				
10								* Strong Sil Augen developed on fol.		9.4	60.7				
11									<1	10.1			10		<0.2
12								→ 3cm QU			83.0		11		
13								→ Cal ff in a limy section							
14								Note 12.8 - 15.5 very broken core	1	13.1	69.7				<0.2
15										14.6	65.2				

4.26 - 92.35 BLACK LIMY GRAPHITIC SHALE
Only slightly metamorphosed generally though locally phyllitic some sections of limy shale + shaly limestone colour may vary to medium gray in less graphitic or more limy sections

4.26 - 24.4 Limonitic oxidation on fractures weakening with depth

Quartz Veining: Coarse Bull Qtz veins with minor ferrodolomite or ankerite generally concordant to sub-concordant
: Lamellar qtz occurs in varying amounts on f_2 foliation sometimes with ferrocarbonate. Usually associated with sphal galena mineralization

Carbonate: A rusty weathering buff coloured ferro-carbonate is most common associated with qtz and as f.f.
: In limy sections white calcite is also present as late fracture filling

F_2 Foliation gives the core a strong shaly cleavage generally concordant with or at a very small angle to bedding indicated by colour banding

Mineralization Pyrite is by far the most common sulfide mineral present as disseminations on the foliation and on crosscutting fractures. Pyrrhotite is more common in the lower part of the hole but still in lesser amounts than pyrite as usually coarser blebs and vein mineral
Sphalerite occurs w quartz and rarely galena in foliation planes and is spottily distributed throughout the hole

Moderate - Strong
Pyrite + Limonite

HOLE NO.: XC-3 | PROJECT: MAXI | PAGE NO.: 2 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 79.44%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED ZN / PB	
15					Mod - Strong	Pyrrhotite		4cm qv		15.1	73.9	NQ WIRELINE				
16								4cm qv 12cm qv		15.6					<0.2	
								16.3M - Gray limy shale Cleavage less well developed.	1	17	82.2		16.5			
17								Sph w lam qtz over 4cm 7cm qv		17.1			17.5		ZN .2	Assay
18											100.0					
19										18.6					<0.2	
									<1		96.7					
20								Sph w Lam qtz over 3cm		20.1			20		0.1	Assay
21								Qtz Carb vein offset by movement on fol.			92.1		21			
22										21.6						
								Speck sph.			79.5				<0.2	
23								.4m qv. ferro carb on margins	1½	22.9						
24						Sphal.		Note 24M. pyrrhotite 1st observed much less common than pyrite			98.7					
25								Minor diss po		24.4						
						Pyrite		25M - 25.6 Siliceous Augens on fol.			95.4				<0.2	
26								3cm qv. w py + Po Str. Qtz ferro carb ff.	1¼	25.9 26.2	106.7					
27					Strong			Sph w py Isoclinal folding			79.7		27			
28								Sph Py w qtz in str. fracture zone		27.7						Assay
29								Sph py w Qtz in fold crests 10cm Isoclinal folding	2½		95.4				0.3	
30										29.3	86.9					

HOLE NO.: XC-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 3 OF 7
REF. TO CLAIM CORNER:
SCALE: 1E100
LOGGED BY: G. A. CLOUTHIER

COMMENTS:

AVE CORE REC'Y / HOLE 79.44 %

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)	
30								BLACK LIMY GRAPHITIC SHALE cont								
								→ Calcite filled Tension fractures			86.9					
31										31.1						
32								→ Calcite filled Tension fract	1		79.4				<0.2	
								→ 1mm Sph on Qtz Lam.		32.2						
33											96.1					
34								→ 6cm qtz-carb vein		33.7						
35									<1		100.6				<0.2	
								→ 4cm qtz-carb vein		35.2						
36								→ 3cm qtz carb vein			86.9					
								→ 8cm qtz carb vein								
37								→ 9cm qtz carb vein		36.9					<0.2	
								→ 20cm Sphal min in Lam, Qtz					37			
								→ 6cm qtz carb vein	1½		102.8					Assay
38								→ Ferro Carb f.f.		38.0					0.4	
								→ Ferro Carb f.f. w minor gypsum					38			
39								→ folded Lam Qtz Carb w̄ cal in Tension areas			85.0	NQ WIRELINE			<0.2	
40								1cm qv offset along fol		39.6						
									<1	40.5	96.7				<0.2	
41											98.9		41			Assay
								Blebs of po in qtz Lam		41.4						
42															0.2	
								→ Sph w̄ gal and py in qtz lam. over 5cm					42			RG
43											92.1				<0.2	
													43			
44									1	43.6						
											82.1					
45										44.6						

38.4M → Ferro carbonate tension filling w gypsum Xlls in core

Moderate Pyrite Sphalerite Pyrrhotite Minor Galena

HOLE NO.: XC-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAX 1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 4 OF 7
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 79.44%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellae	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)	
45					Mod	Pyrite Pyrrhotite Sphalerite Galena		BLACK LIMY GRAPHITIC SHALE cont.								
46								→ Minor sph w qtz +Pb		46.0	89.1					
47					Str			46-47M core badly fractured some shearing	1	46.9	90.1				<0.2	
48								→ c.g. py in QV		47.6	94.9					
49					Mod - Strong			→ 1.5 cm massive sph w gal + Qtz carb		48.8	68.0		49		.8 Zn (.2 Pb)	Assay
50								→ Diss sph + gal on Qtz ham → 1.5 cm massive sphal w gal → Str gal on foliation → Diss sph + Pb on Qtz ham	2	50.3	82.9	NO WIRELINE	50		0.2	RC
51											88.6		51			
52										51.5						
53									2	52.7	81.1				<0.2	
54								→ po bleb ~ 1 cm → sph gal po py w qtz in fol over 12 cm		53.5	82.9		54			
55								→ hairline sph on fol → several 1mm sph. on fol		54.9	78.8				0.3 (Tr)	Assay
56										55.8	36.9		55.5			
57										56.1	106.6				<0.2	
58					Strong			57M - 62.4M Strong shear zone direction relative to core axis obscur. Stronger chlorite Fragments of quartz veins common		57.3	52.5					
59										58.2	50.0				<0.2	
60										59.7	25.0					

HOLE NO.: XC-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 5 OF 7
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 79.44%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c Veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
60								BLACK LIMY GRAPHITIC SHALE cont					60		RG
61					V Str			→ QU 12cm → QU 5cm		60.5	41.8				
62								→ py veinlet .6cm	1	61.6	37.5		61		<0.2
63										62.4	69.6				
64					wk - Mod			63-64M Colour banding ∥ to foliation		63.7	98.5				
65									1	64.9	74.6				<0.2
66								66M-71M Shear Zone core badly broken poor recovery		65.2	71.0	NQ WIRELINE			
67										66.3	92.5				
68					Very Strong	Pyrite Pyrrhotite Tr Sph		→ Str py w qtz → Gouge	1	67.1	72.7				<0.2
69										67.8	60.8				
70								→ 2cm frag Qtz + cg py → Minor Sphal on qtz Lamina → QU 8cm		68.6	128.7				<0.2
71									1½	69.6	72.3		70		RG
72					Str.			→ 12 cm QU		70.9	39.1		71		<0.2
73								→ 6 cm QU → cg py po in 6 cm QU			56.3				<0.2
74								74M-77.1M Shear Zone core badly broken poor recovery	1½	72.5	74.7				<0.2
75					V Str					74.0	56.1				

HOLE NO.: XC-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 6 OF 7
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 79.44 %

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz C. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED ZN (Pb)
75								BLACK LIMY GRAPHITIC SHALE Cont							
76					U Strong			→ 2cm QU w̄ cg py Most of core not recovered		75.5	49.8				
77								→ 10cm qu w̄ cg py 77 M – Strong diss Fe sulph. w̄ py slightly more common than pyrrhotite	1 1/2	76.5 77.1	19.4 37.7				<0.2
78										78.0	98.9				
79															
80					Moderate				2	79.9	80.3				<0.2
81						Sphalerite		→ Qtz Carb vein ~ 20cm → gal + sph w qtz on foliation over 10cm			96.1	NQ WIRELINE	80 81		<0.2 RG Assay
82										81.4					0.5
83					Strong	Pyrite Pyrrhotite		Pyrite po c.g. in QU ~ 3cm mostly po	2	82.7	65.6		82 83		<0.2 RG
84										84.1	91.1				<0.2
85								→ 1cm Sph w̄ Qtz + minor layers over 4cm → cg diss Po → 12cm QU irreg margins cg diss py 85 M – Compositional Quite limy well developed	1 1/2	85.6	86.9				<0.2
86															
87					Mod. Str					87.2	96.1				
88											74.5				
89								→ Qtz Ferro carb ff → irreg QU 30% of core → isoclinal folding in core	1 1/2	88.5					<0.2
90											98.0				

HOLE NO.: XC-3 | PROJECT: MAXI | PAGE NO.: 7 OF 7

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N. | E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 79.44 %

SECTION	ALTERATION: Chlorite	Carbonate	Qtz hamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
90								cont.		90.1			90		
								90.5 – 92.5 40% of core c. qtz carb veins		90.5	95.7				<0.2
91					Strong	Pyr. Po		~ Mostly cg py minor po					91		
92								~ cg po in Qtz			76.9	ND WIRELINE			<0.2
								Bottom of Hole		92.5					
93															

PAGE NO.: 1 OF 1 | PROJECT: MAXI | HOLE NO.: XC-4

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: AUGUST 19, 1978 | REF. TO CLAIM CORNER: MIDI 66

COORDINATES: 20800 N. 25529 E. | DATE FINISHED: AUGUST 21, 1978 | SCALE: 1:100

INCLINATION: -60 | BEARING: 180° | TOTAL DEPTH: 122.83 | LOGGED BY: G A CLOUTHIER

INTERVAL WIDTH

DEPTH INTERVAL FROM	TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	Zn	Ag		
1M	10.5	11.5	72078A		95	<.01%	.06%			
1.5M	18.5	20	72079A	-	92	—	.18%	.01%		
1M	30	31	72080A		91	2 ppm	330 ppm	.8 ppm		
1M	40	41	72081A		97	1 ppm	320 ppm	.8 ppm		
1M	50	51	72082A		94	2 ppm	495 ppm	.6 ppm		
1M	59	60	72083A		82	4 ppm	370 ppm	.2 ppm		
1M	70	71	72084A		93	10 ppm	415 ppm	.1 ppm		

DEPTH INTERVAL FROM	TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

HOLE NO.: XC-4 | PROJECT: MAXI | PAGE NO.: 1 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: Aug 19, 1978 | REF. TO CLAIM CORNER: Midi 66

COORDINATES: 20800 N. 25529 E. | DATE FINISHED: Aug 21, 1978 | SCALE: 1:100

INCLINATION: -60 | BEARING: 180 | TOTAL DEPTH: 122.83 | LOGGED BY: G.A. Clouther

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
0								0-5.33M OVERBURDEN							
1															
2															
3															
4															
5								5.33M-122.83 BLACK LIMY GRAPHITIC SHALE							
6					Strong	Pyrite Minor Sphalerite		→ 15cm qu			103	NQ wireline			
								→ 2cm qu w̄ c diss py		6.4					
7								→ pyrite ff	1/2		98				<0.2
8								→ 10cm graphitic shear zone		7.8					
											45				
9								→ graph shear w̄ minor sphal. + py		9.0					
											97				<0.2
10								→ 30cm qu		10.1					
									1 1/2	10.4	153		10.5		
11								→ minor sph in fol over 20cm			95		11.5		0.2 Assay
12								Isoclinally folded QU		11.9					
											97				
13								→ 40cm strong quing	1 1/2	13.1					
											99				<0.2
14								→ 30cm qu ing		14.6					
15								→ 1mm qu w̄ sph + fy			90				

5.33M-122.83 BLACK LIMY GRAPHITIC SHALE

Only slightly metamorphosed generally though locally phyllitic. Some sections of limy shale + shaly limestone. Colour may vary to medium gray in less graphitic and more limy sections

5.33-6.6M Limonitic sulfide oxidation on fractures weakening rapidly.

Quartz Veining: Coarse Bull qtz veins with minor ferrocarbonate generally concordant to sub concordant but can be x-cutting

: Lamellar qtz occurs in varying amounts on F_2 foliation sometimes with ferro carbonate: usually is associated w̄ sphal, gal. where they occur

Carbonate: A rusty weathering buff coloured ferro-carbonate is commonly associate w̄ qtz and as ff.

: In limy sections white calcite is also present as late f.f.

F_2 Foliation Gives the core a strong shaly cleav. generally concordant with or at a very small angle to bedding indicated by colour banding.

Mineralization Pyrite most common sulfide at top of the hole pyrrhotite at bottom (at dike contact. Minor sph present no galena observed

5.33M - 14.6M Strong quing fracturing + folding

HOLE NO.: DDH-XC-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 2 OF 9
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN Pb
15								BLACK LIMY GRAPHITIC SHALE cont							
16								→ reactional folding → minor sphal			90				
17								→ 1cm Blebs po	1	16.2	95				<0.2
18										17.5					
19					Moderate			→ minor sph on hazline fol. over 2cm → sph on fol over 5cm			87		18.5		
20								→ minor sph on fol	1	19.2	97		20		0.3
21										20.7		NQ (wireline)			<0.2
22								21.5 – Strong QUing fracturing + minor shearing → 5cm QU 3cm QU → minor sph in QU → 3cm Str vein Qtz minor shale			80				
23								→ minor sph in QU	1	22.1 22.9	95				<0.2
24								→ minor sph w̄ py ff ~1mm			103				
25								→ speck sph in QU → minor sph ff		24.4	105				<0.2
26								→ po blebs	1	25.8					
27					Strong	Pyrite Pyrrhotite ↑ Minor Sphalerite		→ Strong shearing + contortion on QU			99				
28								→ 20cm qu		27.3	82				
29								→ Po Blebs + ff w̄ Qtz	1	28.4					<0.2
30								→ Po Blebs + ff		29.9	99				

HOLE NO.: DDH-XC-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:
PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 3 OF 9
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)	
30								BLACK LIMY GRAPHITIC SHALE cont					30			Rs
31								→ irreg qtz po vein ~2cm → po on fol			91		31		<0.2	
32								→ po on fol → speck sph → Qtz Po veins	1½	31.4	95				<0.2	
33								→ 10cm qv → 8cm qv		32.9						
34								→ Po Blebs up to 1cm			92					
35								→ Po Blebs on fol	1½	34.4	99				<0.2	
36								→ 2cm qtz po py vein → 2cm qtz v w diss py → 1cm qtz po vein		36						
37								→ 1cm qtz po vein			117					
38								→ 3cm po qtz vein	2	37.5	102	NQ (wireline)			<0.2	
39								→ 1cm po qtz vein → cal. in tension fract		39						
40								→ diss blebs po			101		40			
41									2	40.5	95		41		<0.2	RG
42								→ Hairline Sph on fol		42.1						
43								→ LIGHT GRAY LIMESTONE → Str. Po Mineral as blebs			103					
44								→ LIGHT GRAY LIMESTONE	2	43.6	90				<0.2	
45																

Note: Pyrrhotite much more common going down the hole. At this point becomes more common than Py

33-43.9 Dark Siliceous augens on fol. common could be a useful marker

Moderate Pyrite Minor Sph

HOLE NO.: DDH-XC-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 4 OF 9
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
45								BLACK LIMY GRAPHITIC SHALE cont.		45.1					
46								→ pyrrh blebs w̄ qtz			101				
47								→ po blebs w̄ Qtz	2	46.6					<0.2
48								→ calcite in tension			97				
49								→ Po blebs + veinlets w̄ qtz		48.2					
50								50-53.5 M Black siliceous Augens in some of Core, Lamellar qtz + limy banding common.	1 1/2	49.7	104		50		<0.2 RG
51								→ 15cm QV			94		51		
52										51.2					
53								→ Po Blebs	1	52.7	100				<0.2
54								53.5- Core very limy with light limy banding veining + fracturing weak			103	NQ (wireline)			
55										54.3					
56									<1	55.8	95				<0.2
57											99				
58										57.3					
59									<1	58.8	92		59		<0.2 RG
60								→ Minor Sph on fol w̄ qtz over 5cm			82				

Wk - Moderate Pyrrhotite Pyrite Minor Sphalerite

HOLE NO.: DDH-XC-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 5 OF 9
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz hamellor	Qtz C. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn Pb
60								BLACK LIMY GRAPHITIC SHALE cont (SHALY LIMESTONE)							
61								Rock is very limy compositional banding quite clear		60.4	119				
62								→ calcite in tension fractures	<1	61.7					<0.2
63								→ large po bleb 2cm			100				
64								→ 6cm qv → po blebs w qtz		63.1					
65								→ elaborate isoclinal folding	1		90				<0.2
66								→ 2cm qtz po py vein 2cm po bleb w qtz		64.8	97				
67								→ Qtz + Carb on foliation		66.3					
68								→ minor diss po	1½	67.4	101				<0.2
69											100	NQ (Wireline)			
70								→ pyrrh bleb 1cm in qtz vein		69.3					
71									1		93		70		<0.2 R6
72										71.0			71		
73								→ po blebs w qtz		72.5	99				
74								73M – 77M Shear and Fracture Zone core badly Broken	1	73.8 73.9	61 [illegible]				<0.2
75											93				

Fracturing: wk – moderate; Strong

Mineral: Pyrrhotite Minor Pyrite

HOLE NO.: DDH-XC-4 | PROJECT: MAXI | PAGE NO.: 6 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.5

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz. veins	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
75									75.4					
76										44				<0.2
77					Strong	Pyrrh		1/2	76.8					
78									78.0	80				
79										100				
80								1/2	79.6			80		<0.2
81										100		81		
82									81.1					
83										100				<0.2
84					weak	Py		1/2	82.8					
85										100				
86									84.0					
87								1/2	86.0	100	NQ (wireline)			<0.2
88									87.5					
89								1/2		100				<0.2
90									89.2					

.3m Bxld dior at Contact —— 77M – 122.8

FRESH FELDSPAR BIOTITE DIORITE PORPHYRY

Medium gray rock Plagioclase phenos make up 30-40% Dk Gray groundmass of Bi and (?) feld pass. qtz. Very minor diss py, non magnetic

Matics partly chloritized

Plag phenos up to 4cm.

Minor qtz veining ~1 MM - 2MM, weak fracturing

very clean featureless Rock

HOLE NO.: DDH-XC-4
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: MAXI
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 7 OF 9
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 92.6

SECTION	ALTERATION: Chlorite	Carbonate	Qtz-kamellar	Qtz-C veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
90								Diorite cont.							
91															
92									1½	90.8	100				
93											100				
94										92.4					
95											100				
96									1½	93.9	100				
97										95.9					
98											100				
99									1½	96.9	100				
100										98.5					
101											100				
102									1½	100	100	NQ (wireline)			
103										101.5					
104											100				
105									1½	103.0					
											100				

HOLE NO.: SDH-XC-4 | PROJECT: MAX | PAGE NO.: 8 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: Qtz. lamellar	ALTERATION: Qtz. veins	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE 92.6	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
105								DIORITE cont								
106											106.1	100				
107										< 1/2	107.6	100				
108																
109											109.1	100				
110										< 1/2	110.6	100				
111																
112					weak						112.2	100				
113						weak diss Py				< 1/2	113.7	100	NQ (wireline)			
114																
115											115.2	100				
116										< 1/2	116.7	100				
117																
118											118.3	100				
119										< 1/2	119.8					
120																

HOLE NO.: DDH-XC-4 | PROJECT: MAXI | PAGE NO.: 9 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn Pb
120								DIORITE PORPHYRY Cont					120		NE
121					weak	Minor Diss Py							121		
122									<1/2	121.3					
								122.8 Bottom of Hole							

PAGE NO.: 1 OF 1 | PROJECT: MAXI | HOLE NO.: XC-5

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: AUGUST 22, 1978 | REF. TO CLAIM CORNER: MIDI 65

COORDINATES: 20800 N. 25729 E. | DATE FINISHED: AUGUST 23, 1978 | SCALE: 1:100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 117.35 M | LOGGED BY: G. A. CLOUTHIER

INTERVAL WIDTH	CORE: DEPTH INTERVAL FROM	CORE: DEPTH INTERVAL TO	CORE: SAMPLE NO.	CORE: INCHES REC.	CORE: % REC.	CORE: ASSAY Pb	CORE: ASSAY Zn	CORE: ASSAY Ag	SLUDGE: DEPTH INTERVAL FROM	SLUDGE: DEPTH INTERVAL TO	SLUDGE: SAMPLE NO.	SLUDGE: LBS. REC.	SLUDGE: % REC.	SLUDGE: ASSAY
1M	10	11	72085A		103	8 ppm	500 ppm	.1 ppm						
1M	20	21	72086A		80	32 ppm	115 ppm	.2 ppm						
1M	30	31	72087A		88	.01%	.08%							
1M	40	41	72088A		94	1 ppm	140 ppm	.2 ppm						
1.5M	42	43.5	72089A		98	.01%	.06%							
1M	50	51	72090A		97	1 ppm	480 ppm	.1 ppm						
1M	60	61	72091A		99	2 ppm	260 ppm	.2 ppm						
1M	70	71	72092A		89	4 ppm	160 ppm	.1 ppm						
1M	80	81	72093A		100	8 ppm	295 ppm	.6 ppm						
1M	90	91	72094A		107	12 ppm	340 ppm	.4 ppm						
1M	100	101	72095A		95	10 ppm	330 ppm	.1 ppm						
1M	110	111	72096A		95	8 ppm	160 ppm	.1 ppm						

HOLE NO.: DDH-XC-5 | PROJECT: MA - 1 | PAGE NO.: 1 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: August 22, 1978 | REF. TO CLAIM CORNER: MIDI 65

COORDINATES: 20800 N. 25729 E. | DATE FINISHED: August 23, 1978 | SCALE: 1:100

INCLINATION: -60° | BEARING: 180° | TOTAL DEPTH: 117.35 | LOGGED BY: G.A. Clouthier

SECTION	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: Qtz lamellar	ALTERATION: Qtz veins	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE 94%	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
0								0 - 5.1 OVERBURDEN								
5					Strong	Pyrrhotite Pyrite		5.1M - 117.9 - BLACK LIMY GRAPHITIC SHALE only slightly metamorphosed generally: though locally phyllitic. Some sections of very limy shale and shaly limestone. Colour may vary to medium gray in less graphitic and more limy sections 5.1M - 8.5M Limonitic Sulphide Oxidation on fractures weakening rapidly to depth Quartz Veining: Coarse bull qtz veins with minor ferro-carbonate generally concordant to superconcordant but can be x-cutting. : lamellar quartz appears in varying amounts of F_2 foliation with ferro-carbonate: usually associated w sph + gal where they occur Carbonate: A rusty weathering buff coloured ferro-carbonate is commonly associated w qtz and as ff. F_2 Foliation: Gives the core a strong shaly cleavage generally concordant with or at a very small angle to bedding indicated by colour and compositional banding Mineralization Po dominant sulfide to ~95M as e.g. blebs and diss Py more abundant below 95M as diss + ff. Minor Sph 13M - 24M - very strong e. qtz veining		1	6.7	85				20.2
10								→ compositional banding ll to cleavage → Qtz carb stk wk over 15 cm. → 3cm Bleb Po → Isoclinal fold ~ll core → chl. on minor Shear → 5cm qtz carb vein → 3cm qtz carb vein → 30cm Qtz carb vein		1	8.9	85				20.2	
15										1	9.9	97	NQ (wireline)	10		20.2	85
											11.4	103		11		20.2	
											13.1	95				20.2	
											14.6	97					
												79					

HOLE NO.: DDH-XC-5 | PROJECT: MAXI | PAGE NO.: 2 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 94%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED ZN (Pb)
15								→ 2cm qu w̄ chlorite — BLACK LIMY GRAPHITIC SHALES cont.			79				
16					Strong				1½	15.9	82				<0.2
17										17.2					
18					Moderate	Minor Sph Tr. Cpy		→ Blebs of po in qu			96				
19									2	18.8	101				<0.2
20										20.3			20		RC
21											77		21		
22					Strong	Pyrrhotite, Lesser Pyrite		→ po ff over 20cm strong	1½	22.1	121	NQ wireline			<0.2
23								→ qu 2cm w̄ py; → minor sph ff		23.3					
24								→ Minor sph w po + qtz; → Specks of cpy w̄ po in Q.V.			93				
25								→ Black Siliceous augens over 4m.; → f3 kink folding	1½	24.8	109				<0.2
26										25.9	77				
27								→ 30cm qu		27.4					
28					Weak-Mod			→ calcite ff	1	28.3	103				<0.2
29										29.4	96				
30											88				

HOLE NO.: DDH - XC-5 | PROJECT: MAXI | PAGE NO.: 3 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 94%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz lamellar	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)	
30					Moderate	Pyrrhotite Pyrite Minor Sphalerite		→ Sph in Qtz lamellae over 1cm → irreg qv, ing w̄ po → minor shear			88	NQ WIRELINE			<0.2	Assay
31										30.8						
32								→ QV 20cm → minor sph ff	1½		99				<0.2	
33								→ QV 4cm → QV 5cm		32.3	82					
34										33.8						
35								→ Comp. banding ~ ∥ to foliation	1½	34.8	112				<0.2	
36										36.1	82					
37								→ 5cm po qtz vein w̄ py			96					
38								→ foliation kinked	2½	37.5 38.2	72				<0.2	
39											106					
40								→ c.g. po blebs		39.6					<0.2	
41								→ Speck sph. → 12cm QV → 5cm QV → minor sph	2½		94		40 41		<0.2	RS
42								→ 3mm Sto diss Sph on fol. → minor sph on 2mm QV		41.2	98		42		<0.2	
43								→ Sph. .6cm wide minor diss adj		42.4 43.0	102				0.2	Assay
44								→ Strong comp banding Black Sh + Lt gray LS	2		95		43.5			
45								→ Strong contortion		44.5	99				<0.2	

BLACK LIMY GRAPHITIC SHALE cont.

Pyrrhotite: Most common sulfide occurring as large blebs, as c.g. diss with qtz and as fine diss.

HOLE NO.: DDH-XC-5 | PROJECT: MAXI | PAGE NO.: 4 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE 94%

DESCRIPTIVE GEOLOGY

BLACK KIMY GRAPHITIC SHALE cont.
(SHALY LIMESTONE)

Core becoming more kimy (limestone below 45M)

45 → Diss po in f-c.g Blebs

46 → 1.5cm QV & po

47

48 → 10cm QV

49 → speck sph in cal Tension filling

→ Po bleb 4cm x 2cm

50 → Calcite Tension fract

51 → Diss py (uncommon to this point

52

53 → Po bleb 4cm x 4cm surrounded by Qtz+ Minor py on Rim

54 → minor sph & qtz

55

56

57

58

59

60

ALTERATION: Chlorite, Carbonate, Qtz lamellar, Qtz-C veins

FRACTURING: wk - Moderate

MINERAL: Pyrrhotite Pyrite very minor Sph.

GEOLOGY

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
	46.0	99				
2½	46.6	97				<0.2
	48.2	96				
2½	49.7	92				<0.2
				50		RG
		97				<0.2
	51.2			51		
	52.3	81				
1½	53.0	113				<0.2
		90	N/A WIRELINE			
	54.6					
1½	55.6	107				<0.2
		101				
	57.3					
1	58.8	97				<0.2
		99				

HOLE NO.: DDH-XC-5 | PROJECT: MAX1 | PAGE NO.: 5 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 94%

SECTION	ALTERATION: Chlorite	Carbonate	Qtz Lamellar	Qtz C. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
60					Mod	Minor Sph.		BLACK GRAPHITIC SHALY LIMESTONE (LIMY SHALE) cont.		60.4	99	NQ WIRELINE	60		<0.2
61									1		94		61		
62								→ Minor Sphal w̄ qtz		61.9					<0.2
63					Strong			→ min spec Sph w̄ qtz → speck Sph → graphitic slip		63.4	103				
64								→ very fine sph on qtz lamellae	1½	64.9	98				<0.2
65											92				
66								wk shear zone badly broken core → 1.5 cm qtz lam w̄ diss Sph		66.4					
67									1½		93				<0.2
68								→ str. diss po in qv → minor Sph in qv		68.0					
69					Mod-Str	Pyrrhotite		→ str diss po in QV over 2cm		69.5	99				
70									1½		89		70		<0.2
71										71.3			71		
72					Strong						94				
73								→ minor Sphal w̄ qv	1½	73.0	108				<0.2
74										74.1					
75											94				

HOLE NO.: DDH - XC - 5
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:
PROJECT: MAX 1
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 6 OF 8
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS:

AVE CORE REC'Y / HOLE: 94%

SECTION	ALTERATION: Chlorite	Carbonate	Limestone Qtz	Qtz c. veins	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
75								BLACK GRAPHITIC SHALY LIMESTONE (LIMY SHALE) Cont							
76										75.6	94				
77								→ Shear zone .5 m graph on sh	1		76				<0.2
78								→ po an 1cm qv		77.1					
79					Med			→ po diss on fol		78.6	108				
80						Tr. Sph.			1		105				<0.2
81								81- 86 M Zone of complex isoclinal folding in the core		80.2			80		RG
82										81.7	100		81		
83						Pyrrhotite		→ Tr. Sph on hairline QV	2		96	NQ WIRELINE			<0.2
84								→ Str. c.g. diss of Po		83.2					
85								→ minor sph		84.7	104				
86					Strong			86- Very Strong qv'ing	3		95				<0.2
87										86.3					
88								→ Str. isoclinal folding		87.8	99				<0.2
89									4		96				
90								→ Str. Po fp		89.2					

HOLE NO.: DDH-XC-5 | PROJECT: MAX 1 | PAGE NO.: 7 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

ALTERATION: Chlorite, Carbonate, Qtz. (similar), Qtz. veining

FRACTURING: Mod. Strong; Very Strong

MINERAL: Pyrite, Pyrrhotite, minor sph

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE: 94%

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (PPM)
90					90		
		90.5	107				202
91					91		
	1½						202
92		92.4	92				
93			106				
94		93.9					
	1½						202
95		95.4	86				
96							
		96.9	103				
97							
	1½		101				202
98		98.4					
99			103				
100		100.0			100		
	1½		95				202
101		100.9			101		
			101				
102		102.4					
103			99				
	1½						202
104		104					
105			93				

NO WIRELINE

BLACK GRAPHITIC SHALY LIMESTONE cont (LIMY SHALE)

→ finely diss py minor py

→ 30cm qu speck sph

→ Str fract zone @ cal+qtz.

→ Strong po.py ff @ qtz+cal in crackle zone

45M About this point pyrrhotite + pyrite are present in equal amounts, Pyrite is increasing in proportion down the hole. Pyrite reaction rims on pyrrhotite blebs are getting more pronounced down the hole

→ very str. py diss on foliation 10cm

→ Str. colour banding contorted minor sph

→ isoclinal folding

→ 10cm qu

→ weak shear zone Str. fracturing

101 - 104M Strong fracture zone qtz ferro-carb calcite + py ff

→ Brk fault zone very siliceous graphite on slips

→ light gray - Black banded L.S. folded

→ ferro carb qtz veining

HOLE NO.: DDH-XC-5 | PROJECT: MAXI | PAGE NO.: 8 OF 8

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Chloritic	ALTERATION: Carbonate	ALTERATION: Qtz Lamellar	ALTERATION: Qtz Veins	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE 94%	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105					Strong - V. Strong	Pyrite Porphyroblasts		DESCRIPTIVE GEOLOGY			105.5	93	NQ WIRELINE			Zn (ppb)
106								BLACK GRAPHITIC SHALY LIMESTONE cont. (LIMY SHALE)								
107								105.5 – 114.5 Medium Gray - Black banded Limestone strongly contorted locally. Strong Qtz Carb ff.		1½	107	101				40.2
108								→ diss py			108.5	101				
109								→ po blebs		1½		103				40.2
110								→ Colour banding ∥ f_2 foliation			110.0			110		
111								→ Minor fold				95		111		40.1
112											111.6					
113										1½		85				
114											113.4	96				
115											114.9					
116								→ Shear Zone		1½		89				
117											116.4	121				
118								Bottom of the Hole 117.85		1½	117.4					

APPENDIX V

SOIL SAMPLE ANALYSIS SHEETS

→ GAC

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 34312

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

INVOICE NO. 28118

RECEIVED September 6, 1978

ANALYSED September 15, 1978

ATTN: J. Schmidt + G.A. Clouthier

SAMPLE NO. :	% Pb	% Zn	.oz/t Ag
72026 A	0.03	0.07	
72028	0.44	0.64	
72031	0.02	0.07	
72034	0.08	0.52	
72036	0.10	0.13	
72037	<0.01	1.00	
72043	<0.01	0.02	
72045	<0.01	0.07	
72048	<0.01	0.25	
72051	<0.01	0.27	
72053	0.02	0.02	
72054	0.02	0.11	
72055	0.01	0.52	
72057	0.01	0.07	
72058	0.02	0.17	
72063	0.02	0.04	
72064	<0.01	0.01	
72065	0.01	0.08	
72066	0.02	0.21	
72067	<0.01	0.02	
72069	0.34	1.15	
72071	0.01	0.24	
72075	0.07	0.07	
72078	<0.01	0.06	
72079		0.18	0.01
72087	0.01	0.08	
72089 A	0.01	0.06	

RECEIVED
SEP 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

→GAC

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45646

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender,
Vancouver, B.C. V6E 3S7 'Rocks'

INVOICE NO. 28057

RECEIVED Sept.6/78

ATTN: Mr.Schmidt & Clouthier

ANALYSED Sept.13/78

SAMPLE NO. :	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	PPM Silver
72027A			2200	1000	0.1
72029			8	70	0.1
72030	30	9	700	530	0.1
72032			16	305	0.1
72033			8	148	0.4
72035			16	1250	1.2
72038			8	106	0.1
72039			20	104	0.1
72040			10	102	0.2
72041			4	98	0.2
72042			22	210	0.2
72044			10	96	0.1
72046			8	26	0.1
72047			4	62	0.1
72049			4	68	0.1
72050			2	48	0.1
72052			58	174	0.6
72056			6	240	0.1
72059			1	174	0.1
72060			2	122	0.1
72061			14	400	0.2
72062			2	225	0.1
72068			4	78	0.1
72070			22	480	0.1
72072			36	174	0.4
72073			970	2300	2.8
72074			12	162	0.1
72076			6	215	0.1
72077			4	270	0.1
72080			2	330	0.8
72081			1	320	0.8
72082			2	495	0.6
72083			4	370	0.2
72084			10	415	0.1
72085			8	500	0.1
72086			32	115	0.2
72088			1	140	0.2
72090			1	480	0.1
72091			2	260	0.2
72092A			4	160	0.1
Std.	70		16	165	0.1

Silver values below detection limit of 0.2ppm reported as 0.1 ppm.

RECEIVED
SEP 14 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hank Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45647

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender,
Vancouver, B.C. V6E 3S7 'Rocks'

INVOICE NO. 28050

RECEIVED Sept.6/78

ATTN: Mr. Schmidt & Mr. Clouthier

ANALYSED Sept.14/78

SAMPLE NO. :	PPM Lead	PPM Zinc	PPM Silver	XC-5
72093A	8	295	0.6	80-81 M
72094	12	340	0.4	90-91 M
72095	10	330	0.1	100-101 M
72096A	8	160	0.1	110-111 M

RECEIVED
SEP 13 19[illegible]
UTAH MINES [illegible]
EXPLORATION [illegible]

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: [signature]

File: MAXI 105 H/11 Goodsam.

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 34042

INVOICE NO. 26878

RECEIVED July 31/78

ANALYSED Aug. 3/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: cc: Clouthier Maxi Project

SAMPLE NO. :	% Cu	% Pb	% Zn	Oz/Ton Ag
43801		6.50	0.70	1.36
43802		0.37	0.06	0.20
43803	< 0.01	0.23	0.05	0.12
43804		0.23	0.04	0.12
43805		0.04	0.03	0.06
43806		0.07	0.07	0.03
43807		0.18	0.07	0.11
43808		12.1	0.20	3.40
43809	< 0.01	2.87	0.40	1.22
43810		5.93	0.06	5.62
43811		0.20	0.05	0.16
43812		0.08	0.05	0.08
43813		0.01	0.03	0.02
43814		0.01	0.01	0.01
43815		0.01	0.02	0.01
43816		0.01	0.02	0.01
43817		0.01	0.01	0.01

RECEIVED
AUG 7 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 34042

INVOICE NO. 26878

RECEIVED July 31/78

ANALYSED Aug. 3/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: cc: Clouthier Maxi Project

SAMPLE NO. :	% Cu	% Pb	% Zn	Oz/Ton Ag
43801		6.50	0.70	1.36
43802		0.37	0.06	0.20
43803	< 0.01	0.23	0.05	0.12
43804		0.23	0.04	0.12
43805		0.04	0.03	0.06
43806		0.07	0.07	0.03
43807		0.18	0.07	0.11
43808		12.1	0.20	3.40
43809	< 0.01	2.87	0.40	1.22
43810		5.93	0.06	5.62
43811		0.20	0.05	0.16
43812		0.08	0.05	0.08
43813		0.01	0.03	0.02
43814		0.01	0.01	0.01
43815		0.01	0.02	0.01
43816		0.01	0.02	0.01
43817		0.01	0.01	0.01

RECEIVED
AUG 8 - 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

R. L. Swaita

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43516
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.
V6E 3S7

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1440E 1800N	18	140
1810	4	82
1820	24	200
1830	10	118
1840	20	186
1850	10	84
1860	6	64
1870	2	58
1880	10	164
1890	6	86
1900	6	176
1910	10	178
1920	1	24
1930	10	124
1940	10	164
1950	6	56
1960	8	124
1970	6	58
1980	1	98
1990	6	88
2000	8	150
2010	2	64
2020	2	80
2030	8	126
2040	4	86
2050	4	52
2060	6	54
2070	1	38
2080	1	20
2090	10	32
2100	8	90
2110	2	32
1440E 2120N	1	36
1450E 2140N	12	90
1460E 2140N	10	66
1470E 2140N	8	46
1480E 2140N	6	64
1490E 2140N	6	64
150E 2140N	8	78
1510E 2140N	4	96
Std.	38	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bridle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43517

INVOICE NO. 25193

RECEIVED June 19/78

ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.
V6E 3S7

ATTN: A.J.Schmidt & G. Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1520E 2140N	1	34
1530E 2140N	8	108
1500E 1800N	12	68
1810	2	46
1820	6	76
1830	8	78
1840	4	50
1850	6	72
1860	12	106
1870	6	98
1880	10	176
1890	12	110
1900	22	136
1910	4	52
1920	12	146
1930	14	170
1940	12	205
1950	6	410
1960	2	90
1970	8	128
1980	10	86
1990	16	148
2000	4	76
2010	4	160
2020	12	205
2030	2	66
2040	14	190
2050	1	50
2060	2	38
2070	8	106
2080	10	92
2090	16	190
2100	20	116
2110	22	166
2120	4	68
1500E 2130N	6	74
1550E 1810N	2	38
1820	8	94
1830	6	78
1550E 1840N	1	20
Std.	38	124

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Rilla

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43518

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 25193

RECEIVED June 19/78

ANALYSED June 22/78

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1550E 1850N	10	235
1860	1	66
1870	8	176
1880	6	84
1890	12	148
1900	14	182
1910	14	52
1920	14	158
1930	6	90
1940	2	28
1950	1	118
1960	6	76
1970	6	44
1980	2	124
1990	1	102
2000	2	56
2010	1	76
2020	4	102
2030	2	70
2040	4	24
2050	2	32
2060	1	20
2070	4	42
2080	8	108
2090	10	144
2100	6	44
2110	6	86
2120	2	90
1550E2130N	12	178
1580E 1810N	12	94
1820	12	76
1830	10	140
1840	1	62
1850	12	90
1860	4	56
1870	4	46
1880	10	88
1890	4	70
1900	10	76
1580E 1910N	10	86
Std.	38	124

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulla

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43519
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1580E	1920N	6	48
	1930	2	192
	1940	14	82
	1950	16	138
	1960	4	60
	1970	8	108
	1980	2	34
	1990	2	44
	2000	4	82
	2010	14	120
	2020	10	48
	2030	2	4
	2040	6	84
	2050	8	94
	2060	4	36
	2070	6	54
	2080	14	112
	2090	10	116
	2100	2	40
	2110	4	156
	2120	6	72
1580E	2130N	10	66
1610E	1810N	14	142
	1820	12	102
	1830	12	78
	1840	12	70
	1850	12	66
	1860	12	90
	1870	16	152
	1880	10	58
	1890	12	66
	1900	18	82
	1910	2	28
	1920	6	32
	1930	8	64
	1940	16	188
	1950	16	225
	1960	18	166
	1970	8	146
1610E	1980N	18	280
Std.		38	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43520
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.
V6E 3S7

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1610E	1990N	18	164
	2000	12	152
	2010	10	78
	2020	10	94
	2030	10	104
	2040	6	78
	2050	2	12
	2060	8	96
	2070	12	172
	2080	4	94
	2090	8	100
	2100	4	60
	2110	4	54
	2120	2	76
1610E	2120N	4	78
1640E	1810N	8	66
	1820	14	192
	1830	2	70
	1840	6	38
	1850	12	92
	1860	22	120
	1870	8	124
	1880	16	78
	1890	8	56
	1900	10	64
	1910	6	108
	1920	10	100
	1930	6	68
	1940	8	188
	1950	10	176
	1960	16	164
	1970	28	188
	1980	1	122
	1990	1	128
	2000	1	92
	2010	1	14
	2020	6	64
	2030	6	50
	2040	18	90
1640E	2050N	10	120
	Std.	38	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43521

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 25193

RECEIVED June 19/78

ANALYSED June 22/78

ATTN: A.J.Schmidt & G. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1640E	2060N	4	58
	2070	6	72
	2080	2	84
	2090	12	88
	2100	12	32
	2110	2	74
	2120	10	28
1640E	2130N	2	28
1670E	1810N	12	128
	1820	28	14
	1830	44	270
	1840	54	108
	1850	12	46
	1860	14	64
	1870	10	90
	1880	16	118
	1890	24	84
	1900	26	86
	1910	36	88
	1920	12	34
	1930	1	78
	1940	2	84
	1950	No sample	
	1960	12	210
	1970	10	120
	1980	6	128
	1990	8	110
	2000	2	60
	2010	2	68
	2020	2	50
	2030	8	48
	2040	1	12
	2050	6	48
	2060	2	48
	2070	4	68
	2080	8	64
	2090	8	136
	2100	2	10
	2110	4	22
1670E	2120N	4	68
Std.		38	124

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bilder

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43522
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1670E	2130N	4	28
1700E	1810N	12	460
	1820	10	146
	1830	1	52
	1840	8	24
	1850	38	46
	1860	4	40
	1870	1	42
	1880	2	32
	1890	1	54
	1900	8	98
	1910	8	98
	1920	8	72
	1930	1	94
	1940	1	80
	1950	1	76
	1960	1	70
	1970	30	128
	1980	10	144
	1990	6	68
	2000	16	68
	2010	12	22
	2020	4	158
	2030	2	68
	2040	4	70
	2050	10	86
	2060	6	345
	2070	1	42
	2080	1	68
	2090	1	14
	2100	20	48
	2110	14	56
	2120	4	12
1700E	2130N	16	68
17e0E	1810N	10	164
	1820	18	128
	1830	10	156
	1840	8	74
	1850	14	48
1730E	1860N	6	58
Std.		40	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bille

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43523
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1730E	1870N	6	42
	1880	10	74
	1890	6	66
	*1900	12	96
	1920	6	54
	1930	4	128
	1940	6	184
	1950	2	38
	1960	1	62
	1970	4	104
	1980	4	76
	1990	14	78
	2000	18	92
	2010	6	84
	2020	2	28
	2030	6	50
	2040	10	102
	2050	2	20
	2060	6	54
	2070	6	60
	2080	8	58
	2090	10	36
	2100	20	34
	2110	8	68
	2120	10	34
1730E	2130N	12	44
1760E	1810N	10	56
	1820	12	44
	1830	10	70
	1840	10	98
	1850	6	42
	1860	4	34
	1870	10	66
	1880	6	68
	1890	10	58
	1900	12	64
	1910	12	58
	1920	1	36
1760E	1930N	4	50
*1730E	1910	12	58
Std.		40	124

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43524
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt and G. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
1760E 1940N	14	200
1950	12	94
1960	20	42
1970	2	36
1980	10	58
1990	16	132
2000	10	76
2010	10	72
2020	10	66
2030	8	64
2040	2	24
2050	4	64
2060	8	300
2070	10	58
2080	2	66
2090	4	74
2100	1	134
2110	4	395
2120	6	1700
1760E 2130N	14	78
1790E 1810N	4	38
1820	8	72
1830	6	28
1840	8	72
1850	26	42
1860	2	210
1870	6	94
1880	14	94
1890	10	62
1900	10	74
1910	10	56
1920	8	148
1930	1	14
1940	8	64
1950	12	58
1960	4	32
1970	10	34
1980	14	124
1990	44	12
1790E 2000N	14	104
STD.	40	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Rudolph

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43525
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt and G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
1790E 2010N	6	118
2020	4	48
2030	6	44
2040	28	98
2050	32	210
2060	4	38
2070	18	192
2080	8	225
2090	4	210
2100	2	76
2110	8	235
2120	4	36
1790E 2130N	2	22
1800N 1900E	10	64
1910	8	70
1800N 1920E	1	16
1820E 1810N	6	56
1820	6	38
1830	8	54
1840	10	74
1850	8	70
1860	1	14
1870	3	138
1880	8	38
1890	2	46
1900	4	20
1910	2	28
1920	1	30
1930	2	14
1940	48	158
1950	1	92
1960	10	60
1970	8	84
1980	4	30
1990	12	176
2000	10	82
2010	2	235
2020	2	34
2030	6	300
1820E 2040N	4	126
STD.	38	124

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulen

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43526
INVOICE NO. 25193
RECEIVED June 19/78
ANALYSED June 22/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J/ Schmidt & G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1820E	2050N	6	82
	2060	8	24
	2070	2	138
	2080	1	76
	2090	8	265
	2100	2	260
	2110	2	58
	2120	6	50
1820E	2130N	2	18
1880E	1810N	10	72
	1820	36	138
	1830	20	102
	1840	2	124
	1850	2	120
	1860	2	116
	1870	16	90
	1880	10	60
	1890	20	158
	1900	12	136
	1910	8	62
	1920	16	134
	1930	1	14
	1940	16	142
	1950	16	102
	1960	16	30
	1970	16	170
	1980	32	220
	1990	1	64
	2000	16	168
	2010	8	124
	2020	10	72
	2030	10	28
	2040	20	245
	2050	2	305
	2060	90	395
	2070	2	28
	2080	6	490
	2090	8	740
	2100	12	60
1880E	2110N	1	68
Std.		38	126

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Walter Radulski

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43[illegible]

TO: Mines Ltd.,
1050 W. Pender
Vancouver, B.C.

INVOICE NO. 25[illegible]

RECEIVED June 19/[illegible]

ATTN: Schmidt & G.Clouthier Maxi Project

ANALYSED June 22/[illegible]

SAMPLE	PPM Lead	PPM Zinc
1880E	2	148
1880E	10	112
2120E	14	74
	6	24
	10	200
	10	104
	14	114
	10	124
	6	58
2120E	12	80
2130N	10	32
2130N	1	6
2150E	8	360
	14	78
	20	118
	10	178
	12	74
	4	58
2150E	2	118
2180E	10	104
	1	118
	10	136
	14	158
2180E	18	154

RECEIVED
JUN 22 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFIED BY: Hart Rudd

file: MAXI 105 H/11 Geochem.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED JUN 29 1978 UTAH MINES LTD. EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43680
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

cc: G.A.Clouthier
Maxi Project

ATTN: A.J.Schmidt

SAMPLE NO. :		PPM Lead	PPM Zinc
1380E	2010N	14	32
	2020	8	58
	2030	6	40
	2040	8	138
	2050	10	82
	2060	8	64
	2070	2	22
1380E	2080N	8	68
1400E	1980N	1	34
1410	1990	2	56
	2000	10	128
	2010	10	128
	2020	2	132
	2030	8	112
	2040	8	102
	2050	8	104
	2060	8	100
	2070	10	108
	2080	8	118
	2090	8	102
1410E	2100N	12	126
1470E	1800N	12	96
	1810	12	124
	1820	2	28
	1830	10	90
	1840	10	94
	1850	6	82
	1860	8	44
	1870	14	126
	1880	10	150
	1890	14	168
	1900	6	70
	1910	14	124
	1920	4	36
	1930	4	52
	1940	2	64
	1950	6	98
	1960	4	32
	1970	2	22
1470E	1980N	6	48
STd.		40	124

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bidle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43681
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

Maxi Project

ATTN: A.J.Schmidt cc: G.A.Clouthier

SAMPLE NO. :		PPM Lead	PPM Zinc
1470E	1990N	6	126
	2100	14	124
	2110	6	60
	2120	14	122
	2130	10	62
	2150	4	24
	2160	4	106
1470E	2170N	6	44
1500E	2150N	4	38
	2160	6	192
	2170	6	28
	2180	8	32
	2190	12	345
1500E	2200N	6	18
1530E	2140N	10	160
	2150	8	90
	2160	4	48
	2170	8	62
	2180	4	230
	2190	14	275
	2200	8	168
	2210	8	184
	2220	12	265
1530E	2230N	6	36
1550E	2150N	8	160
	2160	10	275
	2170	10	182
	2180	10	160
	2190	10	200
	2200	8	124
	2210	2	58
	2220	10	24
	2230	6	76
	2240	10	176
1550E	2250N	6	38
1580E	2150N	6	150
	2160	10	154
	2170	8	124
	2180	12	112
1580E	2190N	10	220
Std.		38	124

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43682

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

ATTN: A.J.Schmidt cc: G.A.Klouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1580E 2200N	8	48
2210	4	12
2220	6	36
2230	8	88
2240	10	82
2250	10	100
1580E 2260N	4	48
1610E 2150N	8	180
2160	6	96
2170	8	310
2180	10	340
2190	6	122
2200	10	198
2210	12	200
2220	4	194
2230	6	92
2240	14	240
2250	8	84
2260	8	82
2270	8	58
1610E 2280N	10	86
1640E 2150N	16	235
2160	6	74
2170	14	455
2180	12	575
2200	8	152
2210	8	92
2220	8	66
2230	12	60
2240	10	92
2250	12	88
2260	12	160
2270	6	58
2280	14	245
1640E 2290N	10	130
1670E 2150N	12	186
2160	10	160
2170	8	138
2180	10	136
1670E 2190N	12	250
Std.	38	124

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED JUN 29 1978
UTAH MINES LTD. EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43683

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1670E	2200N	10	136
	2210	12	162
	2220	12	170
	2230	8	154
	2240	4	54
	2250	8	142
	2260	8	36
	2270	8	142
	2280	8	102
	2290	8	156
1670E	2300N	12	136
1700E	2150N	4	54
	2160	8	225
	2170	10	170
	2180	10	215
	2190	12	196
	2200	8	86
	2210	10	136
	2220	10	120
	2230	8	66
	2240	12	168
	2250	10	160
	2260	10	104
	2270	12	124
	2280	12	108
	2290	10	148
	2300	10	46
1700E	2310N	8	34
1730E	2150N	8	24
	2160	2	10
	2170	10	92
	2180	2	130
	2190	10	240
	2200	12	150
	2210	4	178
	2220	12	110
	2230	10	112
	2240	8	118
	2250	10	545
1730E	2260N	10	290
Std.		42	126

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43684

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1730E 2270N	12	415
2280	8	275
2290	12	305
2300	14	188
2310	10	395
2320	10	285
2340	12	100
2350	6	60
2360	8	40
2370	4	10
1730E 2380N	10	50
1760E 2150N	8	35
2160	4	65
2170	4	90
2180	2	35
2190	4	50
2200	6	100
2210	14	150
2220	16	125
2230	14	565
2240	12	200
2250	12	150
2260	12	310
2270	12	155
2280	12	190
2290	10	240
2300	10	50
2310	12	125
2320	10	120
2330	6	70
2340	12	50
2350	2	10
2360	10	25
2370	8	30
2380	8	25
2390	10	30
2400	8	50
2410	8	35
1760E 2420N	10	45
1790E 2150N	14	120
Std.	40	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Buckle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43685
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C .

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1790E 2160N	6	100
2170	4	105
2180	4	95
2190	6	65
2200	4	65
2210	16	110
2220	8	115
2230	6	130
2240	12	150
2250	10	165
2260	10	130
2270	4	30
2280	10	145
2290	10	125
2300	12	155
2310	14	110
2320	10	45
2330	6	20
2340	16	150
2350	4	10
2360	10	40
2370	6	20
2380	2	50
2390	8	50
2400	4	15
2410	8	15
2420	10	20
2430	12	65
1790E 2440N	10	70
1820E 2150N	6	55
2160	4	75
2170	2	35
2180	8	60
2190	12	160
2200	10	65
2210	10	65
2220	12	205
2230	12	190
2240	6	60
1820E 2250N	10	110
Std.	40	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Smith

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43686

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1820E 2260N	12	110
2270	14	130
2280	14	100
2290	16	125
2300	16	180
2310	4	5
2320	10	50
2330	10	45
2340	6	20
2350	10	45
2360	10	35
2370	10	30
2380	4	5
2390	2	5
2400	8	45
2410	8	40
2420	8	70
2430	6	25
1820E 2440N	2	10
1850E 2150N	8	60
2160	4	65
2170	10	230
2180	12	200
2190	12	205
2200	10	140
2210	10	115
2220	12	110
2230	6	65
2240	12	70
2250	14	80
2260	12	85
2270	14	135
2280	14	265
2290	16	230
2300	14	25
2310	10	30
2320	8	30
2330	8	25
2340	12	20
1850E 2350N	12	55
Std.	38	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43687

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B C

INVOICE NO. 26292

RECEIVED June 26/78

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

ANALYSED June 29/78

SAMPLE NO. :	PPM Lead	PPM Zinc
1850E 2360N	14	60
2370	4	40
2380	4	10
2390	10	35
2400	10	15
1850E 2410N	14	50
1880E 2150N	4	35
2160	6	225
2170	14	275
2180	10	240
2190	14	195
2200	12	240
2210	12	200
2220	10	135
2230	10	105
2240	4	50
2250	10	75
2260	12	95
2300	10	50
2310	12	20
2320	6	40
2330	4	55
2340	8	45
2350	4	50
2360	2	20
2370	2	45
1880E 2380N	6	35
1910E 2150N	2	145
2160	8	205
2170	8	90
2180	12	620
2190	10	350
2200	2	120
2210	6	75
2220	16	130
2230	10	105
2240	6	95
2250	8	90
2260	12	105
1910E 2280N	2	40
Std.	38	120

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Billa

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUL 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43688

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
1910E	2290N	6	35
	2300	10	65
	2310	4	40
	2320	2	20
	2330	2	45
	2340	10	50
	2350	12	100
	2360	6	55
	2370	8	45
1910E	2380N	6	30
1940E	2150N	8	90
	2160	10	80
	2170	12	105
	2180	14	145
	2190	12	140
	2200	12	155
	2210	12	165
	2220	8	110
	2230	6	160
	2240	14	210
	2250	14	170
	2260	10	240
	2280	1	25
	2290	16	75
	2300	2	15
	2310	2	30
	2320	2	55
	2330	2	35
	2340	1	15
	2350	2	15
	2360	10	55
	2370	8	20
	2380	6	25
	2390	8	25
	2400	6	25
1940E	2410N	8	30
1970E	2150N	14	140
	2160	10	90
	2170	8	130
1970E	2180N	12	120
	Std.	42	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43689

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
1970E 2190N	12	140
2200	12	155
2210	14	175
2220	18	225
2230	16	165
2240	16	180
2250	12	205
2260	18	265
2280	6	60
2300	6	35
2310	8	85
2320	10	60
2330	8	55
2340	6	40
2350	4	25
2360	6	15
2370	8	35
2380	4	30
2390	10	25
2400	14	35
2410	16	55
2420	8	40
2430	8	30
1970E 2440N	10	55
2000E 2150N	12	125
2160	12	175
2170	14	150
2180	16	155
2190	14	150
2200	12	150
2210	20	180
2270	14	65
2290	6	45
2300	2	10
2310	4	55
2320	12	65
2330	4	40
2340	8	30
2350	8	50
2000E2360N	10	45
Std.	40	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Rickle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43690
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2000E 2370N	8	25
2380	12	25
290	10	15
2400	8	25
2410	6	15
2420	6	15
2430	6	20
2440	8	30
2450	6	25
2460	6	30
2000E 2470N	4	20
2030E 2150N	12	120
2160	14	125
2170	12	120
2180	14	105
2190	14	140
2200	16	120
2210	18	300
2220	14	190
2300	6	35
2310	6	20
2320	2	15
2330	2	70
2340	4	15
2350	4	15
2360	12	90
2370	4	15
2380	6	50
2390	12	45
2400	8	30
2410	10	20
2420	8	25
2430	8	20
2440	6	35
2450	10	45
2460	10	40
2470	4	25
2480	6	30
2030E 2490N	16	125
2060E 2150N	12	190
Std.	38	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bridle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43691
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2060E 2160N	20	145
2170	6	95
2180	10	85
2190	6	75
2200	2	35
2220	6	70
2230	16	325
2310	8	65
2330A	8	50
2330B	8	65
2340	12	55
2350	14	55
2360	4	15
2370	8	75
2380	4	20
2390	6	30
2400	12	35
2420	10	35
2430	8	45
2440	18	95
2450	8	65
2460	10	40
2470	8	50
2480	12	50
2490	14	45
2060E 2500N	10	50
2090E 2150N	10	130
2160	10	165
2170	16	170
2180	20	170
2190	18	145
2200	18	165
2210	12	50
2220	12	75
2230	6	90
2340	12	80
2350	12	55
2360	8	40
2370	6	30
2090E 2380N	2	5
Std.	40	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43692
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2090E	2390N	14	65
	2400	8	40
	2410	10	50
	2420	8	20
	2430	10	55
	2440	4	5
	2450	6	30
	2460	20	60
	2470	16	155
	2480	12	70
	2490	18	55
	2500	10	40
	2510	18	60
	2520	12	100
2090E	2530N	14	55
2120E	2320N	14	75
	2330	4	20
	2340	4	25
	2350	4	50
	2360	8	35
	2370	8	15
	2380	8	15
	2390	10	25
	2400	10	40
	2410	10	35
	2420	10	45
	2430	10	50
	2440	12	30
	2450	8	45
	2460	10	55
	2470	8	15
	2480	16	45
	2490	8	40
	2500	12	90
	2510	10	15
2120E	2520	18	35
2150E	2310N	18	95
	2320	10	65
	2330	10	65
2150E.	2340N	14	65
	Std.	38	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43693

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26292

RECEIVED June 26/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

ANALYSED June 29/78

SAMPLE NO. :		PPM Lead	PPM Zinc
2150E	2350N	20	70
	2360	18	80
	2370	16	65
	2380	12	65
	2390	14	70
	2400	14	70
	2410	14	40
	2420	14	35
	2430	10	30
	2440	20	25
	2450	12	60
	2460	6	5
	2470	8	25
	2480	10	35
2150E	2490N	10	35
2180E	2300N	16	85
	2310	16	75
	2320	16	40
	2330	2	15
	2340	18	75
	2350	2	15
	2360	14	55
	2370	4	50
	2380	26	60
	2390	8	15
	2400	10	30
	2410	26	55
	2420	38	55
	2430	18	70
	2440	48	25
	2450	12	25
2180E	2460N	6	20
2210E	2150N	12	40
	2160	14	95
	2170	16	130
	2180	16	120
	2260	14	75
	2270	12	45
	2280	12	60
2210E	2290N	14	90
Std.		42	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43694
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2210E 2300N	10	65
2310	8	55
2320	18	80
2330	1	20
2340	12	85
2350	6	55
2360	8	115
2370	10	60
2380	16	75
2390	16	70
2400	8	55
2410	20	75
2420	10	75
2430N	8	55
2150N	10	105
2160	10	150
2170	10	120
2180	14	155
2210	1	115
2220	2	15
2230	1	15
2240	2	50
2250	12	80
2260	10	75
2270	12	90
2280	14	85
2290	1	10
2300	12	105
2310	4	45
2320	4	50
2330	8	90
2340	18	85
2350	6	70
2360	8	65
2370	10	60
2380	10	65
2390	24	35
2400	10	165
2410	8	55
2240E 2420N	6	65
Std.	38	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43695

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2240E	2430N	14	160
2240E	2440N	6	65
2270E	2150N	12	150
	2160	14	225
	2170	1	20
	2180	28	155
	2190	16	150
	2200	10	65
	2210	1	15
	2220	12	100
	2230	4	30
	2240	10	65
	2250	4	10
	2260	4	70
	2270	12	75
	2280	1	20
	2290	14	80
	2300	20	105
	2310	2	20
	2320	14	75
	2330	10	55
	2340	8	40
	2350	2	10
	2360	6	40
	2370	6	45
	2380	10	90
	2390	10	50
	2400	2	30
	2410	6	50
	2420	6	60
	2430	8	55
	2440	12	10
	2450	6	45
2270E	2460N	8	60
2360E	1900N	8	150
	1910	14	400
	1920	10	275
	1930	10	80
	1940	8	185
2360E	1950N	36	155
	Std.	38	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bell

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43696
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2360E	1960N	20	85
	1970	22	120
	1980	20	105
	1990	12	60
	2000	30	190
	2010	20	110
	2020	20	105
	2030	16	220
	2040	22	220
	2050	16	425
	2060	14	165
	2070	6	95
	2080	30	150
	2090	20	130
	2100	14	95
	2110	14	505
	2120	12	450
	2130	12	530
	2140	6	55
	2150	12	245
	2160	4	45
	2170	10	85
	2180	14	85
	2190	10	75
	2200	12	90
	2210	4	75
	2220	10	65
	2230	10	70
	2240	14	145
	2250	12	100
	2260	10	60
2360E	2265	16	60
2390E	1900N	12	115
	1910	8	65
	1920	10	100
	1930	14	125
	1940	12	140
	1950	10	45
	1960	4	35
2390E	1970N	12	140
	Std.	40	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43697

TO: Utah MinesLtd.,
1600 - 1050 W. Pender
Vancouver, B. C.

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Ledd	PPM Zinc
2390E	1980N	14	95
	1990	34	235
	2000	14	110
	2010	16	260
	2020	12	130
	2030	14	285
	2040	6	100
	2050	12	50
	2060	10	35
	2070	2	50
	2080	10	165
	2090	8	25
	2100	6	65
	2110	14	30
	2120	14	150
	2130	10	300
	2140	12	235
	2150	12	130
	2160	12	170
	2170	12	70
	2180	12	90
	2190	14	75
	2200	10	105
	2210	6	65
	2220	14	95
	2230	6	65
	2240	14	40
	2250	20	60
	2260	16	75
2390E	2265N	20	65
2420E	1900N	10	55
	1930	14	75
	1940	16	75
	1950	14	65
	1960	150	165
	1970	20	75
	1980	18	75
	1990	18	90
	2000	22	145
2420E	2010N	16	125
	STd.	40	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bidle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43698

INVOICE NO. 26292

RECEIVED June 26/78

ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2420E	2020N	8	45
	2030	16	105
	2040	18	715
	2050	38	210
	2060	22	860
	2070	16	205
	2080	18	245
	2090	14	480
	2100	14	260
	2110	12	455
	2120	14	345
	2130	16	440
	2140	12	90
	2150	8	90
	2160	14	55
	2170	12	85
	2180	12	100
	2190	18	85
	2200	12	65
	2210	4	20
	2220	10	95
	2230	2	10
	2240	18	190
	2250	14	145
	2260	8	65
2420E	2265N	82	90
2450E	1900N	18	185
	1910	6	30
	1920	10	25
	1930	22	125
	1940	12	95
	1950	12	65
	1960	2	125
	1970	16	95
	1980	20	125
	1990	8	100
	2000	18	130
	2010	12	170
	2020	30	120
2450E	2030N	14	75
	Std.	40	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Rudler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43699
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2450E	2040N	30	155
	2050	30	150
	2060	22	265
	2070	14	190
	2080	14	200
	2090	14	225
	2100	14	125
	2110	12	460
	2120	2	15
	2130	10	325
	2140	4	45
	2150	10	45
	2160	2	15
	2170	1	15
	2180	6	95
	2190	4	30
	2200	10	90
	2210	4	50
	2220	4	35
	2230	1	15
	2240	8	50
	2250	2	55
	2260	4	45
2450E	2265N	4	40
1470E	2000N	10	90
	2010	4	75
	2020	8	105
	2030	4	65
	2040	10	120
	2050	1	25
	2060	6	90
	2070	8	75
	2080	4	40
1470E	2090N	4	45
2330E	1900N	6	75
	1910	16	490
	1920	10	325
	1930	20	165
	1940	14	170
2330E	1950N	22	220
	Std.	38	125

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43700
INVOICE NO. 26292
RECEIVED June 26/78
ANALYSED June 29/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2330E	1960N	14	295
	1970	14	65
	1980	28	250
	1990	74	200
	2000	16	75
	2010	8	175
	2020	10	65
	2030	50	175
	2040	20	240
	2050	24	275
	2060	14	390
	2070	20	160
	2080	12	325
	2090	2	625
	2100	16	135
	2110	14	180
	2120	12	115
	2130	12	45
	2140	14	130
	2150	16	110
	2160	14	85
	2170	14	105
	2180	16	145
	2190	16	110
	2200	16	75
	2220	12	85
	2230	10	70
	2240	4	15
	2250	10	55
	2260	10	70
2330E	2265N	12	60

RECEIVED
JUN 29 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Ridd

file: Mt Kl 105 H/11 Gordon

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43907

INVOICE NO. 26351

RECEIVED July 3/78

ANALYSED July 5/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2540E 1960N	34	365
1970	2	150
1980	22	105
1990	28	240
2000	16	115
2010	12	90
2020	38	180
2030	28	1950
2040	18	90
2050	38	325
2060	22	120
2070	8	85
2080	8	65
2090	6	45
2100	4	65
2110	12	90
2120	4	35
2130	10	65
2140	14	145
2150	2	65
2160	1	1800
2170	12	75
2180	6	70
2190	1	35
2200	1	60
2210	2	20
2220	1	115
2230	2	125
2240	6	65
2250	6	40
2260	2	55
2540E 2265	2	15
2570E 1900N	4	30
1910	4	75
1920	10	85
1930	14	60
1940	26	65
1950	28	130
1960	38	145
2570E 1970N	225	1450
Std.	40	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bibler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43905
INVOICE NO. 26351
RECEIVED July 3/78
ANALYSED July 5/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2480E 1900N	28	168
1910	22	170
1920	16	122
1930	12	168
1940	14	106
1950	22	184
1960	12	250
1970	20	275
1980	32	245
1990	24	155
2000	26	160
2010	20	325
2020	24	325
2030	18	375
2040	12	155
2050	16	270
2070	38	305
2080	20	125
2090	16	160
2100	16	110
2110	6	115
2120	12	1000
2130	12	110
2140	10	105
2150	8	105
2160	8	75
2170	10	65
2180	4	20
2190	8	45
2200	8	65
2210	14	95
2220	4	90
2230	8	85
2240	2	65
2250	1	25
2260	12	85
2480E 2265N	8	65
2510E 1900N	10	95
1910	10	75
2510E 1920N	16	125
Std.	38	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43906

INVOICE NO. 26351

RECEIVED July 3/78

ANALYSED July 5/78

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G. Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2510E 1930N	22	245
1940	10	80
1950	50	175
1960	24	135
1970	24	135
1980	12	115
1990	36	200
2000	18	275
2010	12	110
2020	30	220
2030	26	120
2040	24	155
2050	12	1550
2060	14	325
2070	8	170
2080	8	55
2090	12	110
2110	10	55
2120	8	75
2130	10	65
2140	8	90
2150	6	75
2160	8	50
2170	10	15
2180	10	55
2190	8	110
2200	8	100
2210	6	85
2220	2	75
2230	4	20
2240	2	25
2250	10	35
2260	8	35
2510E 2265N	8	40
2540E 1900N	16	65
1910	16	60
1920	10	70
1930	24	90
1940	10	65
2540E 1950N	20	195
Std.	38	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bidler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43908

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26351

RECEIVED July 3/78

ANALYSED July 5/78

ATTN: A. Schmidt cc: G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2570E 1980N	12	550
1990	46	230
2000	42	145
2010	8	35
2020	12	125
2030	22	245
2040	68	375
2050	6	90
2060	16	125
2070	4	440
2080	2	60
2090	6	135
2100	18	120
2100	10	50
2120	10	55
2130	2	30
2140	12	95
2150	8	75
2160	8	60
2170	8	80
2180	6	65
2190	4	60
2200	6	50
2210	6	50
2220	14	95
2230	6	25
2240	6	75
2250	12	60
2260	8	60
2570E 2265N	8	20
2600E 1900N	6	40
1910	20	50
1920	10	60
1930	12	35
1940	20	140
1950	48	100
1960	16	80
1970	22	125
1980	30	125
2600E 1990N	495	1900
Std.	40	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43909

INVOICE NO. 26351

RECEIVED July 3

ANALYSED July 5/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt cc:G.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2600E 2000N	14	90
2010	14	95
2020	8	95
2030	8	125
2040	16	145
2050	12	90
2060	6	25
2070	2	110
2080	2	160
2090	12	180
2100	4	45
2110	4	40
2120	16	175
2130	10	75
2140	14	65
2150	6	20
2160	12	60
2170	6	75
2180	10	70
2190	14	120
2200	10	50
2210	6	20
2220	2	70
2230	4	25
2240	4	45
2250	4	160
2260	2	20
2265N	6	15
1900N	14	50
1910	8	20
1920	6	20
1930	8	50
1940	10	30
1950	10	45
1960	18	60
1970	8	95
1980	10	120
1990	12	65
2000	2	90
2630E2010N	2	55
Std.	38	120

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bidder

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43910

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26351

RECEIVED July 3/78

ANALYSED July 5/78

ATTN: A.J.Schmidt cc: G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2630E	2020N	12	100
	2030	10	450
	2040	8	100
	2050	2	55
	2060	14	145
	2070	6	40
	2080	20	110
	2090	4	35
	2100	10	45
	2110	6	60
	2120	10	165
	2130	8	30
	2140	8	60
	2150	8	55
	2160	8	40
	2170	10	50
	2180	12	115
	2190	40	125
	2200	18	90
	2210	8	60
	2220	12	280
	2230	6	120
	2240	6	160
	2250	Not sufficient sample	
	2260	4	20
2630E	2265N	4	100
2660E	1820	8	25
	1830	10	50
	1840	12	40
	1850	4	35
	1860	4	35
	1870	12	35
	1880	8	25
	1890	6	40
	1900	4	55
	1910	4	20
	1920	6	95
	1930	10	85
	1940	10	40
2600E	1950N	20	125
	Std.	38	125

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: H. Trent Neilson

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 43911

INVOICE NO. 26351

RECEIVED July 3/78

ANALYSED July 5/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2660E	1960N	10	45
	1970	10	35
	1980	12	35
	1990	8	25
	2000	4	25
	2010	8	100
	2020	10	55
	2030	8	25
	2040	8	30
	2050	10	60
	2060	12	70
	2070	12	110
	2080	18	425
	2090	12	290
	2100	8	45
	2110	2	30
	2120	6	95
	2130	2	55
	2140	8	95
	2150	12	120
	2160	8	30
	2170	10	65
	2180	10	95
	2190	6	60
	2200	12	105
	2210	10	75
	2220	14	55
	2230	10	105
	2240	6	105
	2250	12	100
	2260	6	40
2660E	2265N	4	70
2690E	1805N	6	55
	1810	8	35
	1820	22	90
	1830	14	115
	1840	22	250
	1850	16	115
	1860	8	35
2690E	1870N	8	40
	Std.	38	120

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Ridler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44274

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1410E 1600N	14	140
1610	10	142
1620	22	190
1630	30	215
1640	24	196
1650	18	162
1660	24	210
1670	24	870
1680	480	520
1690	34	118
1700	14	275
1710	10	80
1720	14	118
1730	2	24
1740	24	28
1750	8	68
1770	22	205
1780	12	200
1790	14	340
1410E 1800N	4	70
1440E 1510N	4	38
1520	12	96
1530	6	62
1540	12	60
1550	8	56
1560	4	42
1570	6	44
1580	6	84
1590	4	56
1600	4	40
1610	6	146
1620	6	114
1630	12	102
1640	8	32
1650	22	170
1660	12	94
1670	18	315
1680	4	90
1690	2	52
1700	1	18
STD.	16	160

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: H. Scott Swinden

Sle 4A-X1 105 14/11

Geochem.

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44273

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7
ATTN: A.J. Schmidt

INVOICE NO. 26562
RECEIVED July 17, 1978
ANALYSED July 19, 1978

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1380E 1500N	4	52
1510	4	42
1520	4	54
1530	4	42
1540	4	42
1550	4	54
1560	4	52
1570	4	46
1580	12	132
1590	10	154
1600	2	62
1610	20	106
1620	24	152
1630	8	124
1640	12	50
1650	20	30
1660	18	110
1670	4	720
1680	10	260
1690	4	192
1700	16	96
1710	16	186
1720	1	20
1730	10	76
1740	10	108
1750	1	56
1760	4	54
1770	8	46
1780	2	70
1790	16	275
1800	8	164
1410E 1505N	4	44
1510	8	52
1520	10	58
1530	10	82
1540	8	80
1560	10	84
1570	10	78
1580	6	58
1590	16	176
STD.	18	160

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Fisher

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44276

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1470E 1800N	14	118
1500E 1535N	10	62
1540	6	80
1550	2	34
1560	8	54
1570	8	152
1580	10	100
1590	2	32
1600	6	80
1610	8	84
1620	8	100
1630	20	645
1640	14	196
1650	16	100
1660	14	122
1670	18	124
1680	8	82
1690	4	140
1700	6	140
1710	18	205
1720	12	68
1730	4	52
1740	18	260
1750	6	42
1760	12	96
1770	12	200
1780	10	290
1500E 1790N	14	76
1530EH2144	6	30
2145	10	64
2147	6	48
2149	8	40
2150	12	174
2151	10	255
2152	10	200
2153	18	1800
2154	14	210
2155	10	86
2156	4	88
2157	12	160
1530EH2158	8	290
STD.	18	162

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Jan Bidla

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44275

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1440E 1710N	4	38
1720	10	50
1730	6	68
1740	18	134
1750	16	40
1760	10	196
1770	28	58
1780	6	64
1790	1	24
1440E 1800N	1	14
1470E 1500N	10	52
1510	6	72
1520	10	102
1530	2	22
1540	4	54
1550	4	36
1560	4	28
1570	4	26
1580	2	22
1590	8	90
1600	2	34
1610	94	275
1620	18	200
1630	40	640
1640	36	495
1650	16	710
1660	12	515
1670	18	96
1680	18	86
1690	6	116
1700	4	32
1710	20	144
1720	2	26
1730	6	46
1740	8	176
1750	12	220
1760	10	174
1770	2	54
1780	8	94
1470E 1790N	4	30
STD.	18	162

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44278

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. PenderSt.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
2990E 2140N	6	345
2150	6	350
2160	6	84
2170	10	68
2180	4	26
2190	8	106
2200	2	20
2210	4	22
2220	22	70
2230	8	34
2240	14	54
2250	6	1200
2260	2	20
2270	2	32
2280	22	78
2990E 2290N	10	54
3020E 1870N	62	64
1880	66	112
1890	10	34
1900	10	32
1910	8	34
1920	6	22
1930	4	34
1940	4	36
1950	2	14
1960	18	62
1970	6	20
1980	16	22
1990	14	80
2000	8	32
2010	8	12
2020	4	36
2030	8	48
2050	4	10
2060	18	146
2070	76	32
2080	24	910
2090	16	116
2100	230	460
3020E 2110N	14	102
STD.	18	162

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44277

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1530E H2159	8	188
2160	10	162
2161	32	475
2162	6	78
2163	8	70
2164	8	50
2167	8	70
2168	4	28
2169	2	38
2170	6	74
2171	20	84
2172	12	58
1530E H2173	12	62
2990E 1860N	12	40
1870	12	40
1880	6	26
1890	8	30
1900	6	22
1910	12	34
1920	10	30
1930	8	36
1940	12	88
1950	16	74
1960	14	50
1970	14	54
1980	6	38
1990	2	8
2000	12	44
2010	2	16
2020	8	76
2030	2	4
2040	10	82
2050	16	40
2060	22	58
2070	16	146
2080	20	110
2090	22	60
2100	12	68
2110	12	44
2990E 2130N	2	66
STD.	18	160

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44280

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
3050E 2150N	16	94
2160	26	150
2170	10	82
2180	22	225
2190	10	88
2200	36	58
2210	20	60
2220	24	88
2250	20	78
2260	18	86
2270	28	146
2280	20	62
3050E 2290N	10	100
3080E 1860N	10	22
1870	24	62
1880	18	64
1890	14	60
1900	10	60
1910	8	22
1920	100	50
1930	10	34
1940	8	32
1950	16	64
1960	10	42
1970	20	192
1980	4	18
1990	6	28
2000	4	28
2010	10	56
2020	12	76
2030	14	94
2040	34	90
2050	10	240
2060	4	144
2070	6	140
2080	8	42
2090	4	14
2100	48	30
2110	16	112
3080E 2120N	14	58
STD.	18	160

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bilder

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44279

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

SAMPLE NO. :	PPM Lead	PPM Zinc
3020E 2120N	12	192
2130	6	32
2140	10	24
2150	8	166
2160	2	18
2170	22	340
2180	14	30
2190	6	38
2200	4	48
2210	22	100
2220	12	58
2230	10	360
2240	22	100
2250	22	64
2260	18	106
3020E 2270N	20	104
3050E 1870N	12	46
1880	6	26
1890	8	12
1900	14	58
1910	10	20
1920	2	6
1930	10	24
1940	12	38
1950	12	32
1960	10	32
1970	12	30
1980	570	285
1990	16	52
2030	10	48
2040	8	64
2050	18	186
2060	40	270
2070	122	280
2080	84	122
2090	14	72
2100	10	52
2110	118	144
2120	8	230
2130	10	64
3050E 2140N	10	28
STD.	18	162

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Ian Ridle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44282

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
3110E 2070	16	70
2080	124	92
2090	102	114
2100	14	44
2110	10	38
2020	10	66
2030	18	108
2040	16	72
2050	14	30
2060	4	20
2070	20	100
2080	22	102
2190	24	94
2200	28	100
2210	14	72
2220	12	54
2230	22	108
3110E 2240	16	82
STD.	18	162

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44281

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: UTAH Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT
ROCKS
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
3080E 2130N	12	154
2140	106	148
2150	2	12
2160	2	14
2170	6	18
2180	14	74
2190	4	20
2200	18	66
2210	22	88
2220	24	76
2230	16	104
2240	22	98
2250	10	40
2260	80	108
2270	42	122
2280	26	98
3080E 2290N	34	96
3110E 1840	16	42
1850	24	108
1860	14	56
1870	12	52
1880	46	68
1890	48	66
1900	10	56
1910	12	56
1920	18	80
1930	18	92
1940	16	82
1950	6	20
1960	20	54
1970	8	32
1980	20	116
1990	14	84
2000	44	106
2010	14	86
2020	22	64
2030	20	50
2040	14	64
2050	14	98
3110E 2060	10	38
STD.	18	160

RECEIVED
JUL 20 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

re: MAXI
105 H/11
Geology

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44665

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7
ATTN:

MAXI PROJECT
c.c. G.A. Clouthier

INVOICE NO. 26847
RECEIVED July 31, 1978
ANALYSED August 2, 1978

SAMPLE NO. :	PPM Lead	PPM Zinc
1365E 1640N	14	64
1650	20	186
1660	22	122
1670	20	395
1680	12	400
1690	12	340
1365E 1700	16	290
1365E 1720	1	12
1395E 1640N	12	66
1650	12	200
1660	8	76
1670	530	460
1680	112	400
1690	18	86
1700	14	220
1710	8	76
1395E 1720N	6	62
1420E 1630N	38	525
1640	18	320
1650	1	24
1660	20	6500
1670	1	8300
1680	8	120
1690	1	64
1700	8	102
1420E 1710N	2	60
1455E 1600N	4	72
1610	12	270
1620	10	68
1630	1	8
1640	34	1120
1650	16	315
1660	20	490
1670	1	500
1680	1	4
1690	1	20
1455E 1700N	16	142
1485E 1600N	6	108
1610	10	136
1485E 1620N	28	475
STD.	18	160

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44666

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

MAXI PROJECT
c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1485E 1630N	36	3000
1640	4	96
1650	8	184
1660	2	54
1670	10	78
1680	10	118
1485E 1690N	24	136
1515E 1610N	6	106
1620	10	62
1630	8	134
1640	8	110
1650	14	130
1660	8	120
1670	6	116
1680	6	235
1690	8	126
1700	6	96
1710	4	54
1720	14	545
1730	12	148
1740	28	76
1515E 1750N	4	110
1565E 1620N	24	355
1630	16	300
1640	28	355
1650	26	405
1660	16	196
1670	18	510
1680	18	162
1690	16	192
1700	4	46
1710	18	450
1720	8	82
1730	10	136
1740	4	40
1750	4	34
1565E 1760N	8	96
1595E 1650N	10	295
1660	10	205
1595E 1670N	1	196
STD.	18	158

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44667

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

MAXI PROJECT
G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1595E 1680N	10	68
1690	16	330
1700	8	465
1710	10	130
1720	28	395
1730	16	116
1740	16	80
1750	6	64
1760	8	82
1770	4	88
1780	8	88
1790	8	84
1595E 1810N	14	86
1625E 1650N	16	255
1660	14	450
1670	16	280
1680	18	515
1690	28	1340
1700	18	1200
1710	16	815
1720	10	730
1730	12	1860
1740	30	145
1750	10	55
1760	10	50
1770	4	15
1780	6	40
1790	8	95
1625E 1810N	14	200
1880E 1350N	10	60
1360	20	130
1370	20	85
1380	20	90
1390	16	90
1400	12	80
1410	8	55
1420	16	70
1430	12	100
1440	10	70
1880E 1450N	8	70
STD.	18	160

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44668

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

MAXI PROJECT
G.A. Clouthier

SAMPLE NO. :		PPM Lead	PPM Zinc
1880E	1460N	8	55
	1470	10	65
	1480	10	80
	1490	4	30
	1500	8	60
	1510	2	50
	1520	26	180
	1530	14	105
	1540	4	65
	1550	16	160
	1560	12	70
	1570	10	60
1880E	1575N	8	55
1910E	1355N	18	60
	1360	60	90
	1370	16	75
	1380	12	90
	1390	12	75
	1410	8	70
	1420	2	40
	1430	12	120
	1440	12	90
	1450	16	90
	1460	16	55
	1470	12	50
	1480	8	65
	1490	6	45
	1500	2	30
	1510	8	40
	1520	10	80
	1530	14	40
	1540	10	38
	1550	8	122
1910E	1560N	6	78
1940E	1370N	16	98
	1380	24	106
	1390	40	250
	1400	24	58
	1410	2	14
1940E	1420N	10	60
STD.		18	158

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44669

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

MAXI PROJECT
G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
1940E 1430N	30	205
1440	36	300
1450	20	140
1470	12	64
1480	12	54
1490	8	48
1500	10	76
1510	10	66
1520	10	66
1530	6	36
1540	28	42
1550	6	22
1560	2	10
1570	4	22
1580	24	70
1590	14	94
1600	18	78
1940E1605N	20	88
1970E 1380N	6	58
1390	6	60
1400	4	48
1410	4	52
1420	12	46
1430	14	84
1440	16	32
1450	14	76
1460	10	70
1470	8	60
1490	10	68
1500	12	80
1510	10	58
1520	14	46
1530	6	46
1540	8	68
1550	8	34
1570	46	112
1580	34	180
1970E 1585N	16	86
2975E 2050N	26	156
2975E 2060N	4	26
STD.	18	158

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212- BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44670

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
ATTN: V6E 3S7

MAXI PROJECT
G.A. Clouthier

INVOICE NO. 26847
RECEIVED July 31, 1978
ANALYSED August 2, 1978

SAMPLE NO. :	PPM Lead	PPM Zinc
2975E 2070N	12	116
2080	10	64
2090	14	150
2095	>10,000	7100
2100	110	530
2110	172	190
2120	12	66
2130	8	62
2140	10	120
2150	38	370
2160	10	58
2170	8	72
2180	4	24
2190	4	30
2200	12	66
2210	12	98
2220	10	62
2230	8	66
2240	18	48
2250	20	76
2975E2260	16	54
3005E2050N	8	58
2060	14	76
2070	6	58
2080	4	48
2090	6	78
2100	16	80
2110	18	215
2120	6	80
2130	26	200
2140	4	56
2150	2	50
2160	2	52
2170	8	190
2180	6	56
2190	4	86
2200	10	52
2210	190	116
2220	28	142
3005E 2230N	26	148
STD.	18	160

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44671

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

MAXI PROJECT
G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
3065E 2070N	12	90
2080	1350	84
2090	24	86
2100	14	28
2110	14	34
2120	12	34
2130	16	54
2140	14	58
3065E 2150N	16	86
3095E 2050N	5	18
2060	4	8
2070	4	34
2080	26	74
2090	24	300
2100	10	70
2110	16	100
2120	10	60
2130	14	62
2140	2	12
2150	8	20
2160	2	148
2170	2	10
2180	22	102
2190	24	66
2200	4	4
2210	10	46
2220	4	16
2230	14	86
3095E 2240N	46	82
3125E 2055N	10	44
2060	14	52
2070	6	26
2080	6	10
2090	48	68
2100	10	18
2110	16	60
2200	4	8
2230	12	24
2240	10	8
3125E 2150N	14	26
STD.	20	160

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44672

INVOICE NO. 26847

RECEIVED July 31, 1978

ANALYSED August 2, 1978

TO: Utah Mines Ltd.,
1600 - 1500 W. Pender St.,
Vancouver, B.C.
V6E 3s7

ATTN:

MAXI PROJECT
G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
3125E 2160N	4	14
2170	12	114
2180	14	52
2190	16	100
2200	8	24
2210	12	62
2220	18	86
2230	18	70
2240	26	72
2250	14	122
3125E 2260N	26	114
STD.	18	156

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44848

INVOICE NO. 26967

RECEIVED Aug. 9/78

ANALYSED Aug. 10/78

TO: Utah MInes Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.Schmidt MAXI PROJECT cc: Mr. Clouthier

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

SAMPLE NO. :		PPM Lead	PPM Zinc
1820E	1500N	8	60
	1510	8	52
	1520	6	48
	1530	6	38
	1540	6	48
	1550	16	80
	1560	18	82
	1570	12	68
1820E	1575N	18	84
2000E	1400N	12	102
	1410	6	30
	1420	8	78
	1430	1	34
	1440	6	40
	1450	2	44
	1460	6	54
	1470	8	66
	1480	1	10
	1490	6	22
	1500	16	48
	1510	6	52
	1520	1	6
	1530	12	40
	1540	4	42
2000E	1550N	10	42
2030E	1400N	4	46
	1410	6	50
	1420	4	28
	1430	6	40
	1440	6	36
	1450	6	46
	1460	16	50
	1470	14	86
	1480	8	48
	1490	8	54
	1500	16	90
	1510	6	34
	1520	8	56
	1530	8	54
2030E	1540N	6	20
Std.		16	156

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulk

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44849

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

INVOICE NO. 26967

RECEIVED August 7/78

ANALYSED August 9/78

ATTN: A. J. Schmidt cc: G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
2030E 1550N	6	52
1560	6	54
1570	8	42
1580	12	114
1590	8	34
1600	10	76
1610	8	54
1620	10	120
2030E 1630N	18	72
2030E 1580N	26	68
1590	4	20
1600	6	28
1610	30	110
1620	22	72
2030E 1630N	24	80
2060E 1410N	6	50
1420	8	58
1430	6	48
1440	8	44
1450	10	52
1460	6	34
1470	8	50
1480	6	64
1490	2	22
1500	12	66
1510	12	56
1520	16	48
1530	14	38
1540	12	18
1550	16	76
1560	12	66
1570	8	42
1580	8	56
1590	6	86
1600	4	40
1610	6	24
1620	6	36
2060E 1630N	6	36
2090E 1420N	2	10
2090E 1430N	8	46
STD.	16	148

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44850
INVOICE NO. 26967
RECEIVED August 7/78
ANALYSED August 9/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt

cc: G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
2090E 1440N	4	24
1450	8	44
1460	8	50
1470	10	46
1480	10	52
1490	14	52
1500	12	64
1510	12	62
1520	8	36
1530	18	138
1540	12	70
1550	20	94
1560	20	108
1570	16	112
1590	18	80
1600	12	166
1610	12	58
1620	12	68
1630	10	44
1640	12	64
1650	10	38
2090E 1660N	10	64
2120E 1500N	22	54
1510	10	38
1520	10	34
1530	16	84
1540	14	82
1550	18	38
1560	22	192
1570	12	48
1590	4	86
1600	8	190
1610	8	52
1620	8	42
1630	10	32
1640	8	30
1650	16	64
1660	10	120
1670	10	48
2120E 1680N	10	62
STD.	18	154

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bell

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS ••GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44851

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

INVOICE NO. 26967

RECEIVED August 7/78

ATTN: A. J. Schmidt cc: G. A. Clouthier

ANALYSED August 9/78

SAMPLE NO. :	PPM Pb	PPM Zn
2120E 1690N	24	72
2150E 1460N	12	56
1470	8	32
1480	8	42
1490	12	66
1500	12	34
1510	14	66
1520	18	112
1530	10	72
1540	16	60
1560	8	42
1570	4	66
1580	8	32
1590	4	22
1600	12	120
1610	12	74
1620	10	4
1630	4	74
1640	8	54
1650	10	78
1660	16	66
1670	16	58
1680	10	32
2150E 1690N	8	36
2180E 1450N	12	72
1460	10	46
1470	12	22
1480	12	74
1490	10	60
1500	16	100
1510	14	116
1520	1	2
1530	12	32
1540	6	28
1550	8	54
1560	8	34
1570	16	58
1580	8	20
1590	14	52
2180E 1600N	20	305
STD.	16	150

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bell

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44101
INVOICE NO. 26451
RECEIVED July 10/78
ANALYSED July 12/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: cc: A. J. Schmidt & G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
1850E 1630N	10	116
1640	6	20
1650	14	52
1660	8	34
1670	6	30
1680	18	112
1690	2	28
1700	4	22
1710	14	104
1720	14	124
1730	26	156
1740	12	132
1750	18	132
1760	12	80
1770	22	150
1780	6	46
1790	2	8
1850E 1800N	2	10
1870E 1850N	6	48
1860	12	58
1870	4	34
1880	6	30
1890	10	40
1900	10	30
1870E 1910N	4	60
1880E 1590N	10	56
1600	10	110
1610	10	192
1620	8	280
1630	6	88
1640	8	44
1650	10	72
1660	10	42
1670	8	24
1680	10	28
1690	18	114
1700	2	8
1710	10	114
1720	12	86
1880E 1730N	10	112
STD.	16	160

RECEIVED
JUL 13 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44102

INVOICE NO. 26451

RECEIVED July 10/78

ANALYSED July 12-78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN:

cc: G. A. Clouthier & A. Schmidt

SAMPLE NO. :	PPM Pb	PPM Zn
1880E 1740N	16	108
1750	14	66
1760	4	34
1770	10	74
1780	6	78
1790	8	56
1880E 1800N	4	20
1910E 1610N	12	68
1620	14	64
1630	10	60
1640	10	36
1650	6	30
1660	4	16
1670	1	10
1680	10	60
1690	8	62
1700	10	46
1710	2	26
1720	NSS	NSS
1730	14	120
1740	10	74
1750	10	100
1760	10	96
1770	10	1100
1780	14	140
1910E 1790N	8	74
1940E 1615N	6	44
1620	12	68
1630	8	26
1640	10	36
1650	8	30
1660	10	36
1680	2	6
1690	2	8
1700	6	50
1710	8	58
1720	6	32
1730	4	34
1740	8	86
1940E 1750N	8	78
STD.	16	158

RECEIVED
JUL 13 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44852

INVOICE NO. 26967

RECEIVED August 7/78

ANALYSED August 9/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt cc: G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
2180E 1610N	10	24
1620	8	34
1630	26	26
1640	6	40
1650	8	48
1660	8	16
1670	14	34
1680	14	80
1690	8	46
1700	2	2
2180E 1710n	8	34
2210E 1460N	6	28
1470	10	60
1480	12	54
1490	18	100
1500	14	48
1510	8	60
1520	10	76
1530	10	84
1540	10	76
1550	14	168
1560	6	30
1570	2	6
1580	4	8
1590	8	50
1600	8	38
1610	16	40
1620	12	68
1630	12	50
1640	14	84
1650	16	74
1660	22	88
1670	16	79
1680	14	96
1690	22	94
1700	18	66
1710	12	58
2210E 1715N	16	66
2250E Hub 1635	14	46
2250E Hub 1636	12	56
STD.	18	160

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biller

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44853
INVOICE NO. 26967
RECEIVED August 7/78
ANALYSED August 9/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt cc: G. A. Gauthier

SAMPLE NO. :		PPM Pb	PPM Zn
2250E Hub	1637	6	18
	1638	6	30
	1639	18	86
	1640	24	82
	1641	16	74
	1642	10	54
	1643	12	78
	1644	16	56
	1645	16	64
	1646	16	84
	1647	12	30
	1648	16	68
	1649	12	58
	1650	18	42
	1651	12	32
	1652	16	60
	1655	14	72
2250 Hub	2199	8	18
2495E	1900N	10	94
	1910	22	860
	1920	88	200
	1930	56	225
	1940	26	240
	1950	38	178
	1960	26	535
	1970	28	280
	1980	26	910
2495E	1990N	24	535
2660E	1700N	12	72
	1710	10	62
	1720	6	44
	1730	14	66
	1740	10	44
	1750	10	42
	1760	6	20
	1770	6	20
	1780	10	50
2660E	1785N	12	58
2690E	1700N	10	46
2690E	1710N	10	42
STD.		18	158

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Harold Bickle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44854
INVOICE NO. 26967
RECEIVED August 7/78
ANALYSED August 9/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender MAXI PROJECT
Vancouver, B.C.

ATTN: A. J. Schmidt cc: G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
2690E 1720N	10	46
1730	8	32
1740	10	52
1750	12	50
1760	4	22
1770	6	18
1780	8	34
1790	16	52
2690E 1795N	20	102
2720E 1700N	20	104
1710	6	38
1720	12	64
1730	4	162
1740	24	156
1750	16	88
1760	20	94
1770	26	120
1780	22	104
2720E 1785N	10	52
2750E 1700N	14	70
1710	14	76
1720	16	106
1730	22	120
1740	16	94
1750	14	72
1760	16	116
1770	26	158
1780	12	58
2750E 1785N	10	62
2780E 1710N	20	94
1720	8	36
1730	16	74
1740	16	68
1750	16	84
1760	10	48
1770	12	66
1780	10	42
2780E 1785N	12	58
2810E 1700N	8	34
2810E 1710N	10	62
STD.	18	156

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44855

INVOICE NO. 26967

RECEIVED August 7/78

ANALYSED August 9/78

TO: Utah Mines Ltd.'
1600 - 1050 W. Pender
Vancouver, B.C.

MAXI PROJECT

ATTN: A. J. Schmidt cc: G. A. Clouthier

SAMPLE NO. :	PPM Pb	PPM Zn
2810E 1720N	12	148
1730	8	44
1740	6	20
1750	12	84
1760	20	86
1770	10	62
1780	14	160
1790	12	48
2810E 1800N	12	52
2840E 1700N	8	18
1710	10	28
1720	10	66
1730	10	28
1740	14	40
1760	16	56
1770	4	14
1780	6	30
1790	12	50
1800	10	46
1810	10	44
1820	14	96
1830	28	112
2840E 1840N	12	46
2870E 1700N	6	24
1710	6	22
1720	10	18
1730	6	14
1740	10	18
1750	14	54
1760	14	80
1770	6	34
1780	12	34
1790	10	34
1800	14	48
1810	12	48
1820	8	42
1330	12	36
2870E 1835N	14	68
2900E 1700N	8	10
2900E 1710N	8	34
STD.	18	160

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bell

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44856

INVOICE NO. 26967

RECEIVED August 7/78

ANALYSED August 9/78

TO: Utah Mines Ltd.
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A. J. Schmidt cc: G. A. Clouthier

RECEIVED
AUG 10 1978
UTAH MINES LTD.
EXPLORATION DEPT.

SAMPLE NO. :	PPM Pb	PPM Zn
2900E 1720N	4	8
1730	8	42
1740	6	28
1750	16	40
1760	10	24
1770	10	46
1780	12	34
1790	12	32
1800	6	12
1810	14	24
1820	12	38
1830	8	44
1840	14	48
1850	12	56
1860	16	54
2900E 1865N	10	44
2930E 1700N	10	72
1710	10	20
1720	2	26
1730	10	58
1740	6	30
1750	10	54
1760	8	42
1770	6	20
1780	6	34
1790	10	50
1800	8	32
1810	10	38
1820	10	38
1830	8	44
1840	12	74
2930E 1845N	8	32
STD.	18	160

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Rubin

Re: NAXI 105 M/11
Geochem.

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44281

INVOICE NO. 26562

RECEIVED July 17, 1978

ANALYSED July 19, 1978

TO: UTAH Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

MAXI PROJECT

c.c. G.A. Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc	
3080E 2130N	12	154	
2140	106	148	
2150	2	12	
2160	2	14	
2170	6	18	
2180	14	74	
2190	4	20	
2200	18	66	
2210	22	88	
2220	24	76	
2230	16	104	
2240	22	98	
2250	10	40	
2260	80	108	
2270	42	122	
2280	26	98	
3080E 2290N	34	96	
3110E 1840	16	42	
1850	24	108	
1860	14	56	
1870	12	52	
1880	46	68	
1890	48	66	
1900	10	56	
1910	12	56	
1920	18	80	
1930	18	92	
1940	16	82	
1950	6	20	
1960	20	54	
1970	8	32	
1980	20	116	
1990	14	84	
2000	44	106	Rock
2010	14	86	
2020	22	64	
2030	20	50	
2040	14	64	
2050	14	98	
3110E 2060	10	38	
STD.	18	160	

RECEIVED
JUL 21 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

file MAXI 125 #1/11 Geochem

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44445

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26721

RECEIVED July 24/78

ATTN: A.J.Schmidt

ANALYSED July 26/78

MAXI PROJECT

cc: G.A.Clouthier

SAMPLE NO. :		PPM Lead	PPM Zinc
1260E	1620N	18	194
	1630	12	166
	1640	16	250
	1650	14	200
	1660	1	56
	1670	4	68
	1680	4	46
	1690	8	84
	1700	2	38
	1710	2	40
1260E	1720N	14	106
1290E	1595N	10	98
	1600	2	24
	1610	12	126
	1620	8	176
	1630	10	255
	1640	8	192
	1650	6	100
	1660	2	24
	1670	6	114
	1680	10	380
	1690	6	20
	1700	8	42
	1710	10	72
	1720	16	124
	1730	10	240
1290E	1740N	12	240
1320E	1560N	6	46
	1570	10	68
	1580	10	84
	1590	4	44
	1600	8	82
	1610	6	116
	1620	12	355
	1630	12	182
	1640	6	96
	1650	48	205
	1660	16	156
	1670	18	135
L1320E	1680N	14	68
Std.		16	156

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hans P. Eichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44446

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

ATTN: A.J.Schmidt Maxe Project cc: G.A.Cloutier

SAMPLE NO. :		PPM Lead	PPM Zinc
L1320E	1690N	18	152
	1700	16	200
	1710	12	98
	1720	16	146
	1730	6	220
	1740	8	164
	1750	8	108
	1760	4	56
L1320	1770N	20	128
L1350E	1470N	14	70
	1480	18	98
	1490	12	102
	1500	12	166
	1510	12	92
	1520	10	74
	1530	6	44
	1540	12	90
	1550	10	62
	1560	6	52
	1570	8	98
	1580	10	94
	1590	12	118
	1600	14	152
	1610	24	188
	1620	26	158
	1630	20	180
	1640	18	205
	1650	26	136
	1660	38	420
	1670	30	765
	1680	16	102
	1690	24	38
	1700	14	250
	1710	14	106
	1620	10	52
	1730	10	144
	1740	10	146
	1750	8	82
L1350E	1760N	10	74
	Std.	16	156

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Fiddler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44447
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt Maxi Project cc:G.A.Clouthier

SAMPLE NO. :	PPM Lead	PPM Zinc
L1350E 1770N	10	92
1780	12	88
1790	8	76
1350E 1800N	6	68
1820E 1330N	4	24
1340	10	66
1350	16	70
1360	14	122
1370	8	48
1380	10	50
1390	10	58
1400	10	62
1410	8	80
1420	10	90
1430	12	96
1440	12	74
1450	12	180
1460	8	72
1470	8	62
1480	12	68
1490	12	86
1820E 1500N	12	60
1850E 1350N	6	66
1360	16	90
1370	14	104
1380	6	44
1390	10	72
1400	10	92
1410	10	78
1420	10	90
1430	8	60
1440	10	58
1450	8	62
1460	10	66
1470	12	68
1480	2	22
1490	8	42
1500	10	48
1510	10	58
1850E 1520	6	36
Std.	16	156

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 26721

INVOICE NO. 44448

RECEIVED July 24/78

ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 – 1050 W.Pender
Vancouver, B C.

ATTN: A.J.Schmidt Maxi Project cc:G.A.Clouthier

SAMPLE NO. :		PPM Lead	PPM Zinc
1850E	1530N	12	52
	1540	6	38
1850E	1550N	18	106
2225E	2000N	16	56
	2010	20	174
	2020	22	240
	2030	22	104
	2040	24	122
	2050	20	104
	2060	36	168
	2070	30	380
	2080	28	345
	2190	26	400
	2100	22	240
	2110	2	34
	2120	18	194
	2130	16	182
2225E	2140N	8	50
L 2255E	1735N	16	94
	1740	8	58
	1750	8	60
	1760	10	120
	1770	2	52
	1780	8	110
	1790	8	110
	1800	16	106
	1810	2	42
	1820	4	42
	1830	6	54
	1840	6	130
	1850	8	290
	1860	8	215
	1870	10	56
	1880	6	84
	1890	8	72
	1900	8	62
	1910	18	134
	1920	4	52
	1930	10	170
L 2255E	1940N	8	194
	Std.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44449

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B. C.

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

ATTN: A.J.Schmidt cc: G.A. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
L2255E	1950N	10	196
	1960	8	158
	1970	18	146
	1980	18	250
	1990	24	74
L2255E	2000N	20	114
2255E	2000N	20	82
	2010	18	160
	2020	18	168
	2030	42	170
	2040	14	162
	2050	14	168
	2060	22	126
	2070	6	42
	2080	16	230
	2090	18	100
	2100	2	46
	2110	14	200
	2120	14	56
	2130	12	78
2255E	2140N	10	84
L2285E	1755N	6	34
	1760	12	52
	1770	10	138
	1780	10	98
	1790	6	48
	1800	6	48
	1810	6	62
	1820	12	78
	1830	6	66
	1840	2	24
	1850	20	168
	1860	6	54
	1870	12	184
	1880	6	106
	1890	12	320
	1900	18	74
	1910	2	18
	1920	6	50
L2285E	1930N	10	38
	Std.	18	158

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Fisher

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44450
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G. A. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
L2285E	1940N	14	220
	1950	10	82
	1960	20	86
	1970	22	134
	1980	30	92
	1990	24	112
L	2000A	24	196
	2000B	24	300
	2010	30	98
	2020	32	130
	2030	16	52
	2040	16	52
	2050	10	90
	2060	8	86
	2070	18	138
	2080	8	620
	2090	6	515
	2100	18	365
	2110	10	44
	2120	10	54
	2130	20	220
L2285E	2140N	16	134
2315E	1740N	2	22
	1750	16	325
	1760	12	58
	1770	14	62
	1780	10	74
	1790	10	114
	1810	8	84
	1820	12	340
	1830	16	315
	1840	16	940
	1850	14	275
	1860	6	80
	1870	14	310
	1880	4	48
	1890	10	100
	1900	8	148
	1910	30	440
2315E	1920N	18	200
Std.		20	168

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

••ANALYTICAL CHEMISTS ••GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44451
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G. A. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2315E	1930N	6	630
	1940	16	550
	1950	6	68
	1960	12	112
	1970	30	86
	1980	2	22
	1990	22	120
	2000A	26	198
	2000B	18	130
	2010	24	172
	2020	24	174
	2030	16	176
	2040	16	120
	2050	18	450
	2060	14	48
	2070	12	160
	2080	12	1120
	2090	10	1520
	2100	58	225
2315E	2110N	16	76
L2330E	2265N	2	38
	2270	24	82
	2280	12	42
	2290	18	56
	2300	12	62
	2310	12	60
	2320	14	60
	2330	10	28
	2340	12	78
	2350	12	74
	2360	8	24
	2370	12	148
	2380	14	64
	2390	4	24
	2400	12	66
	2410	16	68
L2330E	2420N	10	94
2345E	1760N	6	100
	1760	8	76
2345E	1780N	2	26
	STd.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44453
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July26/78

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :	PPM Lead	PPM Zinc
2360E 2330N	10	42
2340	10	42
2350	12	60
2360	10	38
2370	12	60
2380	12	62
2360E 2390N	12	72
2375E 2080N	18	102
2090	10	58
2100	36	174
2110	14	178
2120	18	172
2130	10	240
2140	10	154
2150	12	210
2375E 2160N	18	335
2390E 2270N	18	54
2280	10	52
2290	8	26
2300	10	64
2310	12	62
2320	12	68
2330	12	32
2340	10	62
2350	12	24
2390E 2360N	6	14
2405E 1740N	30	164
1750	38	178
1760	50	210
1780	16	184
1790	10	56
1800	10	110
1810	12	64
1820	10	136
1830	14	320
1840	2	152
1850	38	150
1860	12	130
1870	18	132
2405E 1880N	12	68
Std.	18	158

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Billa

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44454

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2405E	1890N	12	52
	1900	12	64
	1910	30	112
	1920	22	166
	1930	16	140
	1940	6	58
	1950	12	50
	1960	18	160
	1970	12	46
	2100	10	110
	2110	10	96
	2120	2	14
	2130	20	1080
	2140	4	62
	2150	8	230
2405E	2160N	16	935
2420E	2270N	22	124
	2280	46	102
	2290	12	66
	2300	10	54
	2310	16	44
	2320	10	50
2420E	2330N	12	36
2450E	2270N	8	110
	2280	12	40
	2290	10	30
	2300	8	40
2450E	2310N	10	48
2480E	2270N	10	54
	2280	6	20
	2290	8	50
	2300	30	126
	2310	16	20
	2320	14	54
	2330	18	152
2480E	2340N	20	138
2510E	2270N	8	16
	2280	6	58
	2290	12	52
2510E	2300N	4	10
	Std.	18	158

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Richter

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44455

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxe Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2510E	2310N	14	34
	2320	10	118
	2330	22	84
	2340	18	36
	2350	12	70
	2360	12	36
2510E	2370N	6	10
2525E	1900N	14	98
	1910	14	56
	1920	16	64
	1930	18	146
	1940	22	168
	1950	38	235
	1960	4	16
	1970	120	515
	1980	48	290
	1990	24	172
	2000	24	275
	2010	4	18
2525E	2020N	16	98
2540E	2270N	4	22
	2280	26	94
	2290	10	58
	2300	10	22
	2310	8	44
	2320	4	8
	2330	10	60
	2340	12	30
	2350	26	46
	2360	14	18
	2370	14	36
	2380	10	32
	2390	12	26
2540E	2400N	16	30
2555E	1900N	14	110
	1910	8	36
	1920	14	42
	1930	26	164
	1940	24	114
2555E	1950N	12	146
Std.		20	158

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Richter

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44456

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2555E	1960	16	196
	1970	60	395
	1980	26	265
	1990	44	280
	2000	10	86
	2010	38	250
	2020	74	188
	2030	36	230
	2040	310	1160
2555E	2050N	315	1060
2570E	2265N	14	40
2570E	2430N	138	104
2580E	2270N	2	10
	2280	4	16
	2290	8	8
	2300	2	8
	2310	2	12
	2320	8	96
	2330	6	36
	2350	8	28
	2360	34	86
	2370	14	40
	2380	6	18
	2390	6	28
	2400	12	30
	2410	4	10
2580E	2420N	32	64
2585E	1900N	12	102
	1910	12	104
	1920	10	66
	1930	14	64
	1940	30	68
	1950	16	56
	1960	40	102
	1970	32	114
	1980	28	210
	1990	22	188
	2000	82	350
	2010	12	220
2585E	2020N	14	102
	Std	18	158

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bickle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44457

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

INVOICE NO. 26721

RECEIVED July 24/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

ANALYSED July26/78

SAMPLE NO. :		PPM Lead	PPM Zinc
2585E	2030N	14	88
	2040	18	94
	2050	22	114
	2060	18	166
	2070	1	30
2585E	2080N	12	170
2600E	2270N	4	36
	2280	4	50
	2290	8	100
	2300	8	68
	2310	10	68
	2320	10	76
	2330	18	74
	2340	10	70
	2350	12	86
	2360	162	122
	2370	6	22
	2380	24	62
	2390	18	40
	2400	28	90
	2410	28	50
	2420	14	42
	2430	36	78
	2440	20	74
	2450	16	82
2600E	2460	8	36
2615E	1800N	14	46
	1900	6	36
	1910	10	40
	1920	6	26
	1930	16	80
	1940	8	44
	1950	14	38
	1960	18	56
	1970	14	126
	1980	14	134
	1990	10	88
	2000	12	72
	2010	10	260
2615E	2020N	30	1620
	Std.	18	162

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Ryder

CHEMEX LABS LTD.

12 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44458
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2615E	2030N	10	154
	2040	16	142
	2050	14	140
	2060	8	108
	2070	6	94
2615E	2080N	50	1080
2630E	2270N	8	88
	2280	12	62
	2290	2	16
	2300	6	74
	2310	20	280
	2320	4	22
	2330	10	56
	2340	14	78
	2350	18	94
	2360	12	40
	2370	16	62
	2380	14	72
	2390	18	144
	2400	54	140
	2410	40	60
	2420	10	60
	2430	8	66
	2440	22	88
	2450	14	84
	2460	8	48
	2470	6	46
	2480	16	66
2630E	2490N	8	66
2660E	2265N	6	58
	2275	6	56
	2285	8	60
	2295	4	32
	2305	16	76
	2315	8	146
	2325	8	48
	2335	2	8
	2345	20	124
	2355	18	62
	2365	24	110
2660E	2375N	2	10
	Std.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Richter

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44459
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2660E	2385N	8	58
	2395	24	126
	2405	12	50
	2415	8	96
	2425	12	86
	2435	2	.16
	2445	2	8
	2455	18	92
2660E	2465N	14	68
2690E	2270N	10	110
	2280	10	60
	2290	10	70
	2300	8	46
	2310	10	90
	2320	10	58
	2330	2	32
	2340	4	54
	2350	24	88
	2360	18	74
	2370	10	52
	2380	12	86
	2390	10	54
	2400	8	46
	2410	32	120
	2420	20	90
	2430	20	124
2690E	2440N	6	30
2720E	2265N	6	138
	2270	10	190
	2280	10	134
	2290	8	126
	2300	6	80
	2310	6	112
	2320	2	68
	2330	8	74
	2340	18	80
	2350	6	20
	2360	18	114
	2370	2	14
2720E	2380N	24	106
	Std.	20	164

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Fuller

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44460

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender
Vancouver, B.C.

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

ATTN: A.J.Schmidt cc: G.A. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2720E	2390N	1	8
	2400	20	100
	2410	46	102
	2420	20	120
	2430	18	110
	2440	18	114
2720E	2450N	26	170
2750E	2165N	16	64
	2170	8	30
	2180	2	14
	2190	8	58
	2200	22	56
	2210	10	52
	2220	10	138
	2230	10	200
	2240	22	400
	2250	16	670
	2260	14	440
	2270	12	300
	2280	14	66
	2290	2	52
	2300	12	112
	2310	4	46
	2320	4	40
	2330	8	52
	2340	10	46
	2350	6	52
	2360	10	66
	2370	8	60
	2380	10	74
	2390	6	28
	2400	12	56
	2410	14	110
	2420	12	26
	2430	2	10
	2440	14	74
2750E	2450N	8	52
2780E	2265N	10	68
	2270	10	70
2780E	2280N	6	26
	Std.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Ridley

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44461
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2780E	2290N	12	62
	2300	10	70
	2310	8	28
	2320	4	8
	2330	16	66
	2340	6	48
	2350	10	60
	2360	8	44
	2370	14	44
	2380	16	60
	2390	4	36
	2400	4	30
2780E	2410N	20	196
2810E	2270N	12	90
	2280	14	100
	2290	10	82
	2300	16	106
	2310	16	92
	2320	10	62
	2330	12	62
	2340	16	68
	2350	10	64
	2360	10	46
	2370	10	40
2810E	2380N	10	34
2840E	2270N	8	54
	2280	10	72
	2290	8	72
	2300	10	150
	2310	2	24
	2320	16	88
	2330	2	8
	2340	10	58
2840E	2350N	10	54
2870E	2265N	12	32
	2270	14	82
	2280	12	54
	2290	26	112
	2300	22	80
2870E	2310N	14	68
	Std.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Fuller

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44462

INVOICE NO. 26721

RECEIVED July 24/78

ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
2870E	2320N	12	66
3140E	1840N	10	56
	1850	6	20
	1860	6	30
	1870	8	22
	1880	2	6
	1890	8	44
	1900	12	58
	1910	8	30
	1920	6	12
	1930	12	42
	1940	12	30
	1950	14	38
	1960	18	68
	1970	12	68
	1980	8	30
	1990	18	84
	2000	10	28
	2010	10	44
	2020	8	44
	2030	20	90
	2040	6	38
	2050	16	132
	2060	12	46
	2070	6	24
	2080	18	10
	2090	18	38
	2100	20	76
	2110	8	24
	2120	22	82
	2130	4	16
	2140	14	64
	2150	10	98
	2160	4	22
	2170	2	10
	2180	10	62
	2190	10	54
	2200	16	50
	2210	14	82
3140E	2220N	12	68
Std.		18	166

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hunt Pickle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44463
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
3140E	2230N	26	96
	2240	14	90
	2250	16	119
	2260	12	94
	2270	24	126
3140E	2280N	26	102
3170E	1845N	16	64
	1850	14	40
	1860	10	44
	1870	2	8
	1880	2	12
	1890	12	40
	1900	10	22
	1910	10	18
	1920	10	20
	1930	18	22
	1940	12	48
	1950	8	28
	1960	12	36
	1970	14	68
	1980	16	100
	1990	1	24
	2000	10	42
	2010	12	54
	2020	10	36
	2030	14	80
	2040	10	24
	2050	38	132
	2060	20	42
	2070	14	58
	2080	8	50
	2090	16	24
	2100	2	8
	2110	1	8
	2120	4	28
	2130	20	78
	2140	14	86
	2150	14	104
	2160	16	68
3170E	2170N	2	8
Std.		18	164

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44463

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender
Vancouver, B. C.

INVOICE NO. 26721

RECEIVED July 24/78

ATTN: A.J.Schmidt cc:G.A.Clouthier Maxi Project

ANALYSED July 26/78

SAMPLE NO. :		PPM Lead	PPM Zinc
3140E	2230N	26	96
	2240	14	90
	2250	16	119
	2260	12	94
	2270	24	126
3140E	2280N	26	102
3170E	1845N	16	64
	1850	14	40
	1860	10	44
	1870	2	8
	1880	2	12
	1890	12	40
	1900	10	22
	1910	10	18
	1920	10	20
	1930	18	22
	1940	12	48
	1950	8	28
	1960	12	36
	1970	14	68
	1980	16	100
	1990	1	24
	2000	10	42
	2010	12	54
	2020	10	36
	2030	14	80
	2040	10	24
	2050	38	132
	2060	20	42
	2070	14	58
	2080	8	50
	2090	16	24
	2100	2	8
	2110	1	8
	2120	4	28
	2130	20	78
	2140	14	86
	2150	14	104
	2160	16	68
3170E	2170N	2	8
Std.		18	164

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bielle

CHEMEX LABS LTD.

12 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44464
INVOICE NO. 26721
RECEIVED July 24/78
ANALYSED July 26/78

TO: Utah Mines Ltd.,
1600 = 1050 W. Pender
Vancouver, B.C.

ATTN: A.J.Schmidt cc: G. A. Clouthier Maxi Project

SAMPLE NO. :		PPM Lead	PPM Zinc
3170E	2180N	18	64
	2190	14	78
	2200	12	64
	2210	8	40
	2220	18	94
	2230	10	56
	2240	14	66
	2250	14	94
3170E	2260N	10	86
3200E	1850N	18	70
	1860	2	12
	1870	8	28
	1880	12	48
	1890	12	52
	1900N	10	44
	2296H	12	40
	2297	12	20
	2298	8	30
	2299	12	24
	2300	18	34
	2301	6	12
	2302	2	14
	2303	18	76
	2304	16	52
	2305	38	114
	2306	20	82
	2307	14	40
	2308	8	38
	2309	12	120
	2310	8	40
	2312	34	140
	2313	8	76
	2314	16	68
	2324	16	46
	2326	14	62
	2327	24	102
	2328	18	78
	2329	16	56
	2330	1	24
3200E	2331 H	16	60
	STd.	18	162

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichler

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44465

INVOICE NO. 26721

RECEIVED July 24, 1978

ANALYSED July 26, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: c.c. G.A. Clouthier

MAXI PROJECT

SAMPLE NO. :	PPM Lead	PPM Zinc
3200E 2333H	20	38
2334	10	90
2336	2	74
2337	1	68
2338	2	26
2339	14	66
3200E 2340H	18	58
3230E 1910N	4	26
1920	8	54
1930	8	46
1940	8	32
1950	12	42
1960	8	30
1970	2	36
1980	10	42
1990	10	30
2000	14	60
2010	4	30
2020	4	24
2030	8	48
2040	4	24
2050	14	74
2060	8	28
2070	6	34
2080	18	58
2090	12	72
2100	12	74
2110	4	54
2120	6	44
2130	12	78
2140	2	14
2150	4	44
2160	14	90
2170	16	78
2180	10	78
2190	8	82
2200	10	70
2210	4	32
2220	18	44
3230E 2230N	18	96
STD.	18	162

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bulk

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 44466
INVOICE NO. 26721
RECEIVED July 24, 1978
ANALYSED July 26, 1978

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
ATTN: V6E 3s7

c.c. G.A. Clouthier
MAXI PROJECT

SAMPLE NO. :	PPM Lead	PPM Zinc
3230E 2240N	18	104
3230E 2250N	16	118
STD.	18	160

RECEIVED
JUL 27 1978
UTAH MINES LTD.
EXPLORATION DEPT.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Ian Bell

APPENDIX VI

REFERENCES

REFERENCES

Blusson, S.L., Regional Geologic Setting of Lead Zinc Deposits in Selwin Basin, Yukon, GSC Paper 78-1A, pp. 77-80.

Brock, J.S., Guild J.D., McArthur, G.F.,McArthur, M.L., Preliminary Investigation of the Maxi Zinc-Lead Occurrences and Surrounding Regions. For Welcome North Mines (NPL) Oct., 1977.

Roots, E.F., Green, L.H., Roddick, J.A., Blusson, S.L., 1:250,000 Geology Map, Frances Lake Sheet GSC Map 6, 1966.

(UTAH GRID)

26.000N

18.000N

10.000E

20.000E

30.000E

PLATE 1

PLATE 2

PLATE 3

PLATE 4

PLATE 5

PLATE 6

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
NJ 11 78

UTAH MINES LTD.

EXPLORATION DEPARTMENT
VANCOUVER, B.C.

MAXI GROUP INDEX MAP

GOVERNMENT CLAIM MAP

WORK BY: G.H.	DATE: OCT 1978	NTS REF: 105 H-11
DRAWN BY:	REVISED:	

1500 0 1500 3000

SCALE IN FEET

RIVER

ANDERSON

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- 70 -45° DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/ HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT

April 14/79

Plate 2

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

TOPOGRAPHY MAP

Work by	Date: April 79	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIOT

Plate 3

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

TOPOGRAPHY MAP

Work by	Date April 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL (50 / 10)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description) (LP)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination (DDH- / 70 / -45°)
- TRANSIT LINES w/HUBS (1M)
- PICKET LINES

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov 14/78

Plate 4

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

TOPOGRAPHY MAP

Work by	Date April '78	NTS Ref. 105-H-11
Drawn by C.D.	Revised	

100 0 200 400 600
SCALE IN METRES

THOM LAKE

MINI LAKE

THOMAS CREEK

MAXI MTN.
1439'

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

Plate 5

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

TOPOGRAPHY MAP

Work by	Date April '78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES

MAXI

LAKE

Elevation
± 979.5 m.

999.5 m

MAXI CREEK

KULAN CREEK

ANDERSON RIVER

26,000 N

24,000 N

22,000 N

20,000 N

18,000 N

20,000 E

22,000 E

24,000 E

26,000 E

28,000 E

30,000 E

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/ HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

Plate 6

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

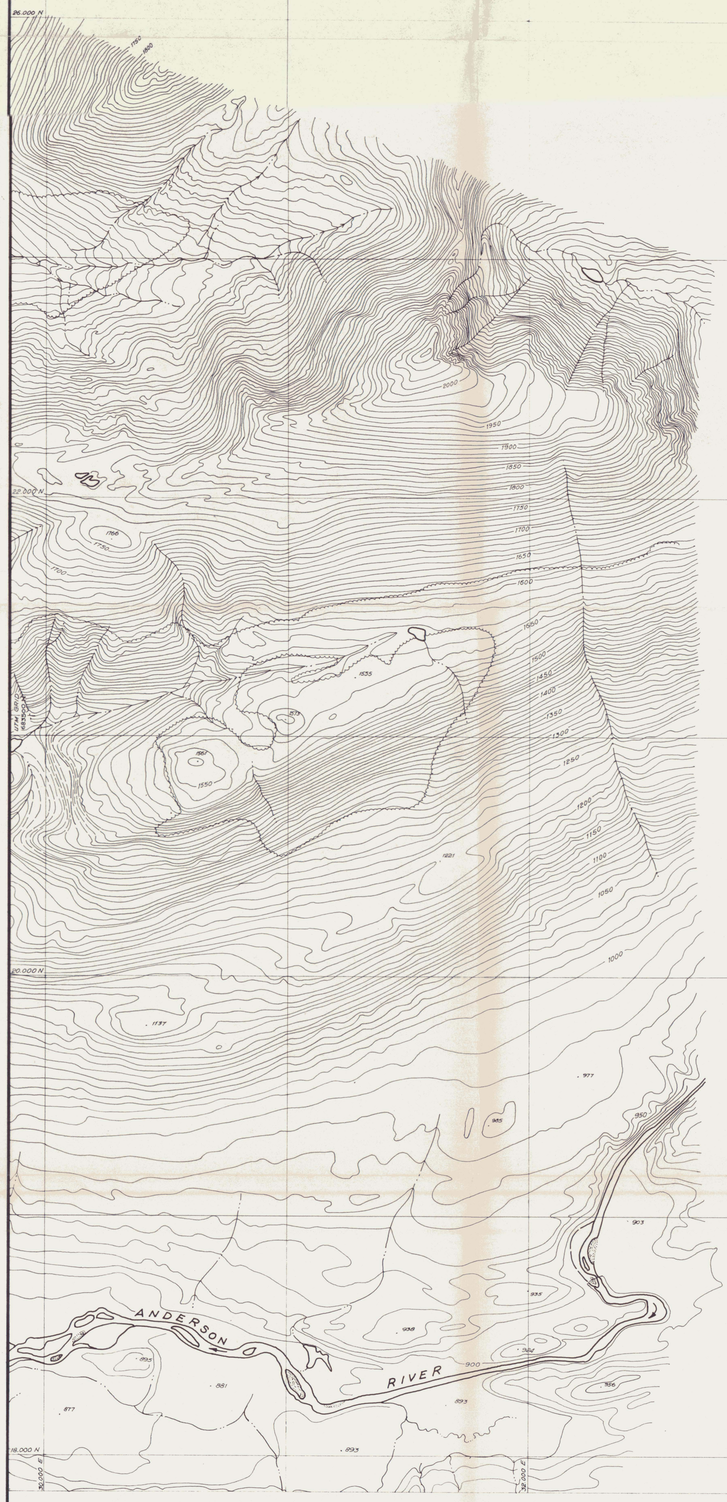
TOPOGRAPHY MAP

Work by	Date April '78	NTS Ref. 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A.J. SCHMIDT

Nov 14/78



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CONTOUR INTERVAL
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. SCHMIDT

Plate 7

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

TOPOGRAPHY MAP

Work by	Date April '79	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

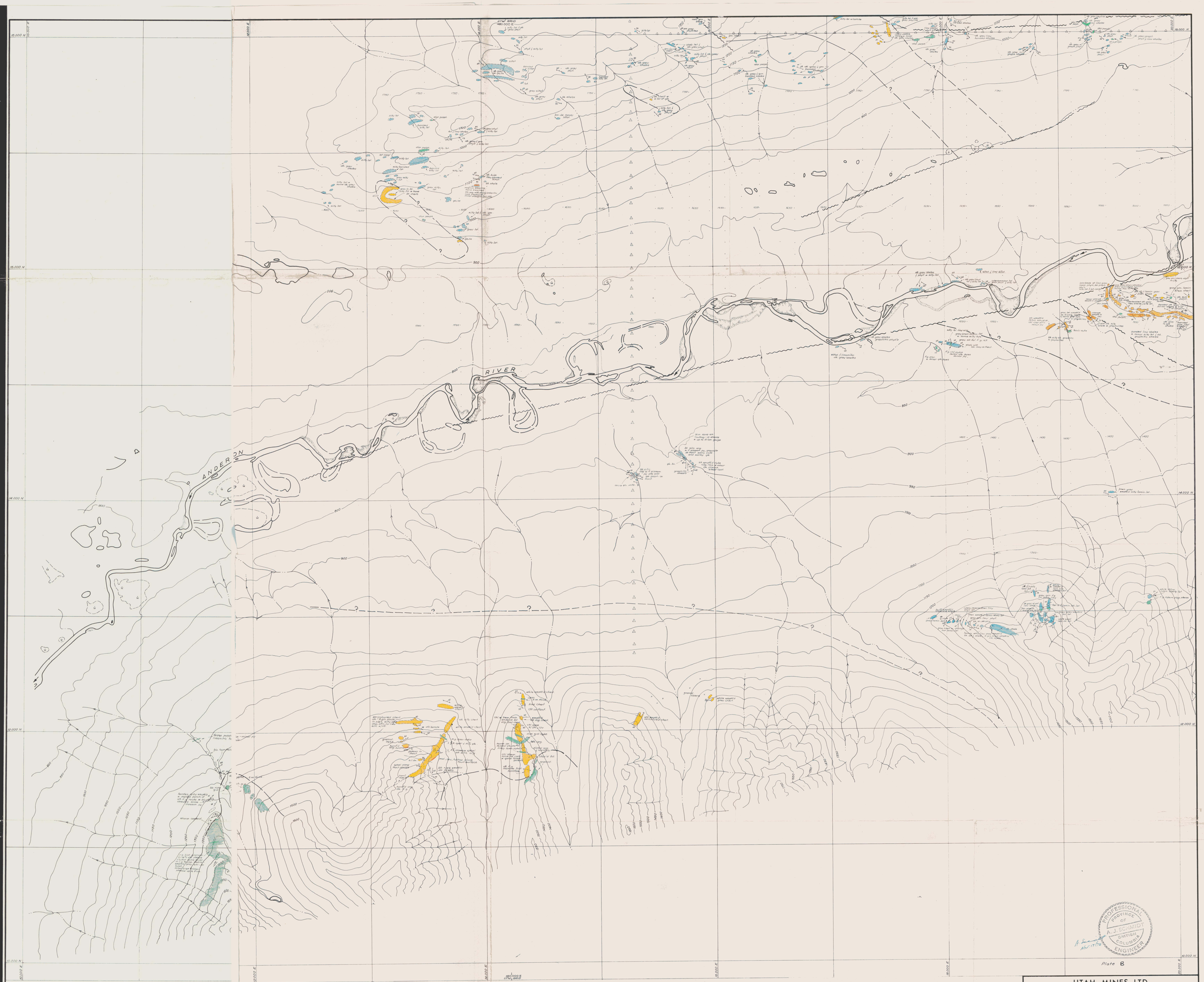


Plate 8

LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING DISSEMINATED HZ_7 HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE

SYMBOLS

MAJOR CREEKS + RIVERS
CREEKS
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
CONTOUR INTERVAL 50 MTR.
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description

DIAMOND DRILL HOLE with total depth azimuth and inclination
TRANSIT LINES w/ HUBS
COMPASS LINES
SHEARS
JOINTS
CONTACTS (Defined, inferred, possible)
OUTCROPS
ANGULAR FLOAT
F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage

F_3 FOLIATION (Dip 30° and Vertical)
F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
SYNCLINE, ANTICLINE W/ FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
SYNFORM, ANTIFORM (Overturned)
AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
FAULT W/ DIP 70° PLUNGE OF SLICKENSIDES 75°
FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
LARGE INFERRED FAULTS

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

A. Schmidt Nov. 17/78

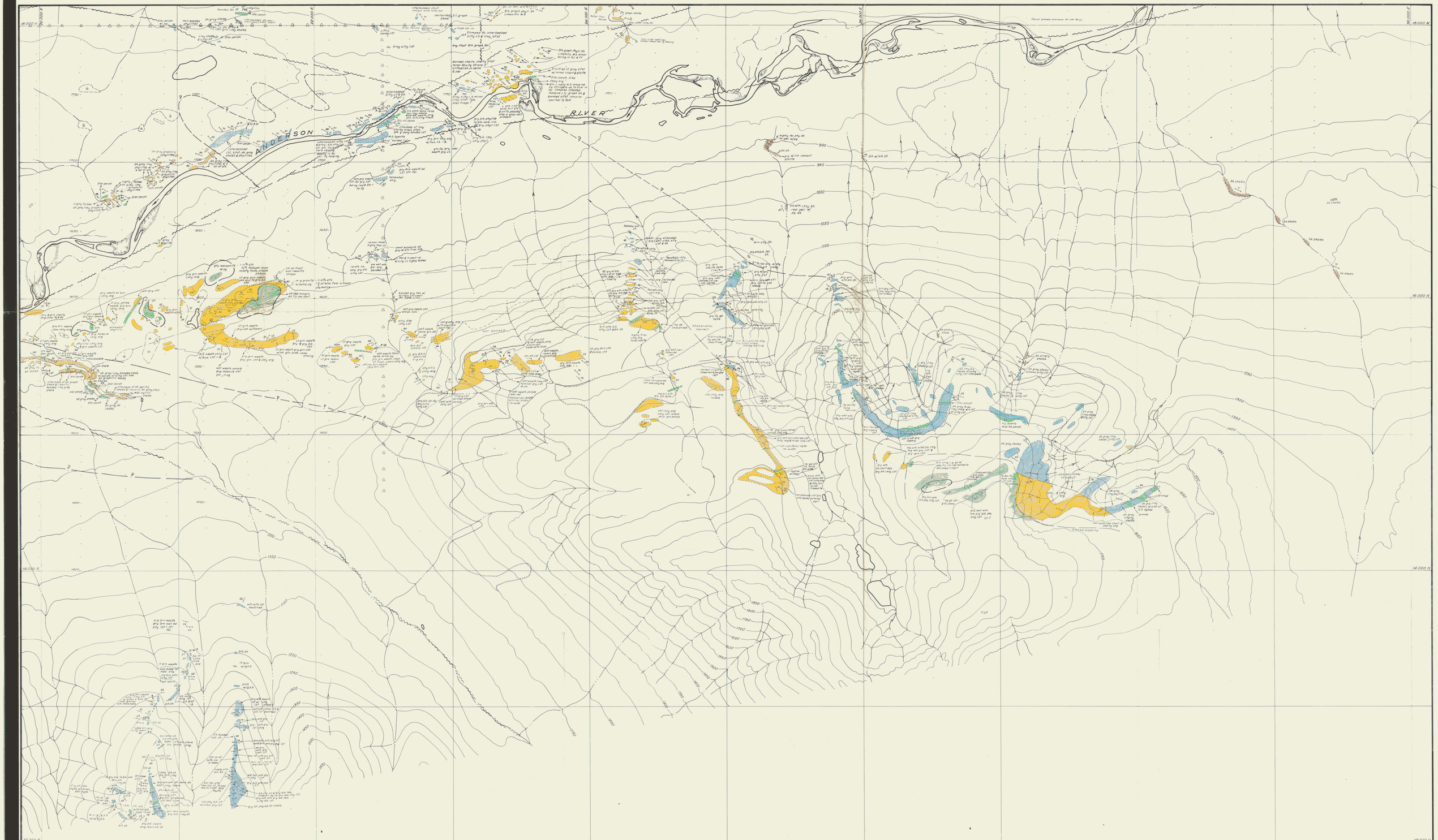
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GEOLOGY

Work by: G.A.C. & G.L.H.	Date: Oct. '78	NTS Ref. 105-H-11
Drawn by: C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



LEGEND

- **CRETACEOUS** GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS
- **DEVONIAN – MISSISSIPIAN** BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE
- **SILURIAN – DEVONIAN** (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE
- **SILURIAN** VARICOLOURED CHERTS AND SILICEOUS SHALES
- **ORDOVICIAN – SILURIAN** (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE
- **CAMBRIAN – ORDOVICIAN** INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)
- **PRECAMBRIAN** (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

- **SILICA** PERVASIVE DISSEMINATED AND FRACTURE FILLING
- **CARBONATE** PERVASIVE DISSEMINATED AND FRACTURE
- **MINERALIZATION** MASSIVE, FRACTURE FILLING DISSEMINATED HZ = HYDROZINCITE, SPH = SPHALERITE GAL = GALENA, PY = PYRITE, PO = PYRRHOTITE

SYMBOLS

- MAJOR CREEKS + RIVERS
- CREEKS
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- CONTOUR INTERVAL 50 MTR.
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description
- DIAMOND DRILL HOLE with total depth azimuth and inclination
- TRANSIT LINES w/ HUBS
- COMPASS LINES
- SHEARS
- JOINTS
- CONTACTS (Defined, inferred, possible)
- OUTCROPS
- ANGULAR FLOAT
- F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
- F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
- F_3 FOLIATION (Dip 30° and Vertical)
- F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
- F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
- SYNCLINE, ANTICLINE W/ FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
- SYNFORM, ANTIFORM (Overturned)
- AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
- FAULT W/DIP 70° PLUNGE OF SLICKENSIDES 75°
- FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
- LARGE INFERRED FAULTS

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT

Nov 14/78

Plate 9

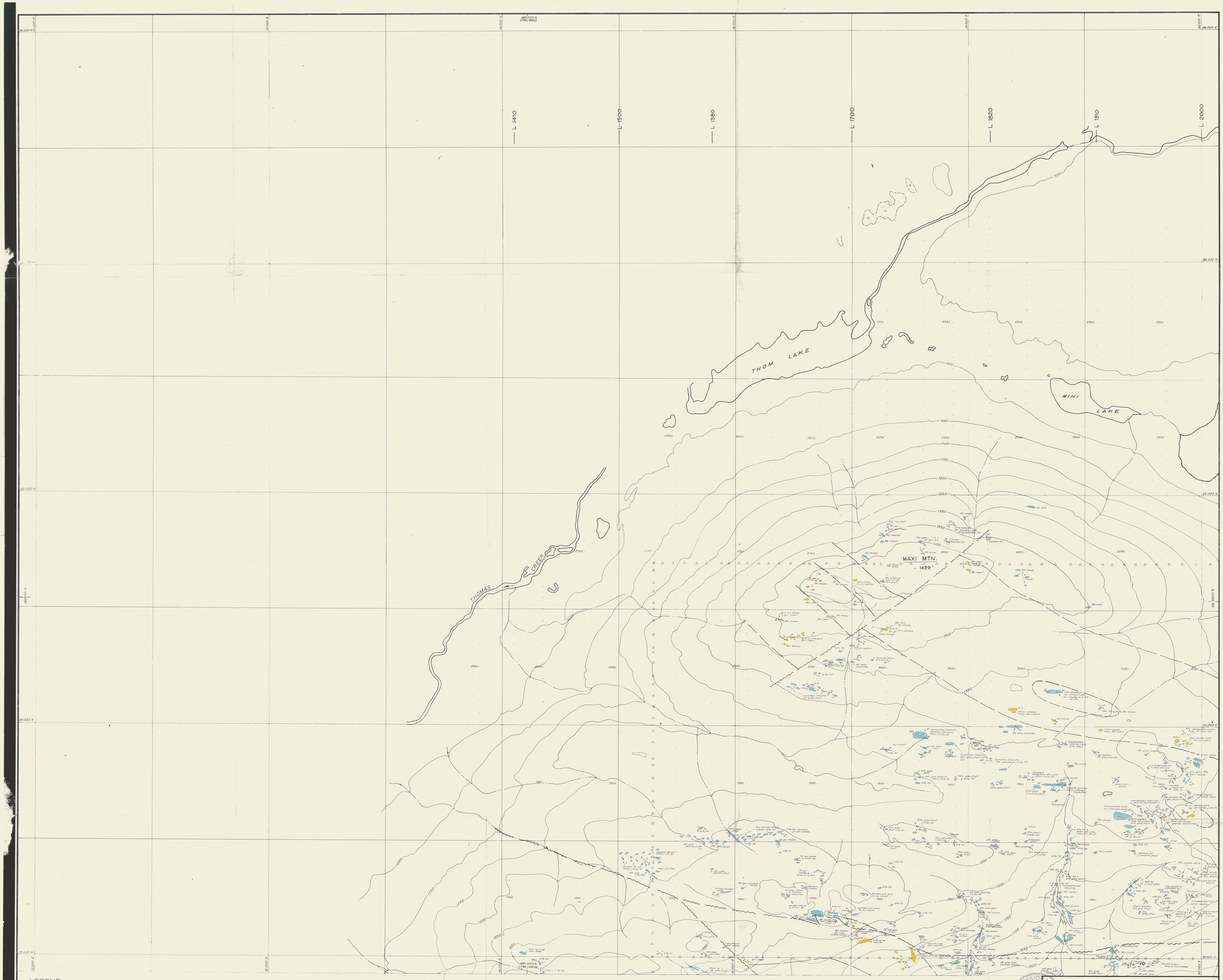
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GEOLOGY

Work by G.A.C. / G.L.N.	Date Oct. '78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING DISSEMINATED HZ; HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE

SYMBOLS

MAJOR CREEKS + RIVERS
CREEKS
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
CONTOUR INTERVAL 50 MTR.
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description

DIAMOND DRILL HOLE with total depth azimuth and inclination
TRANSIT LINES w/ HUBS
COMPASS LINES
SHEARS
JOINTS
CONTACTS (Defined, inferred, possible)
OUTCROPS
ANGULAR FLOAT
F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage

F_3 FOLIATION (Dip 30° and Vertical)
F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
SYNCLINE, ANTICLINE W/ FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
SYNFORM, ANTIFORM (Overturned)
AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
FAULT W/ DIP 70° PLUNGE OF SLICKENSIDES 75°
FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
LARGE INFERRED FAULTS

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

A. J. Schmidt
Nov. 14/78

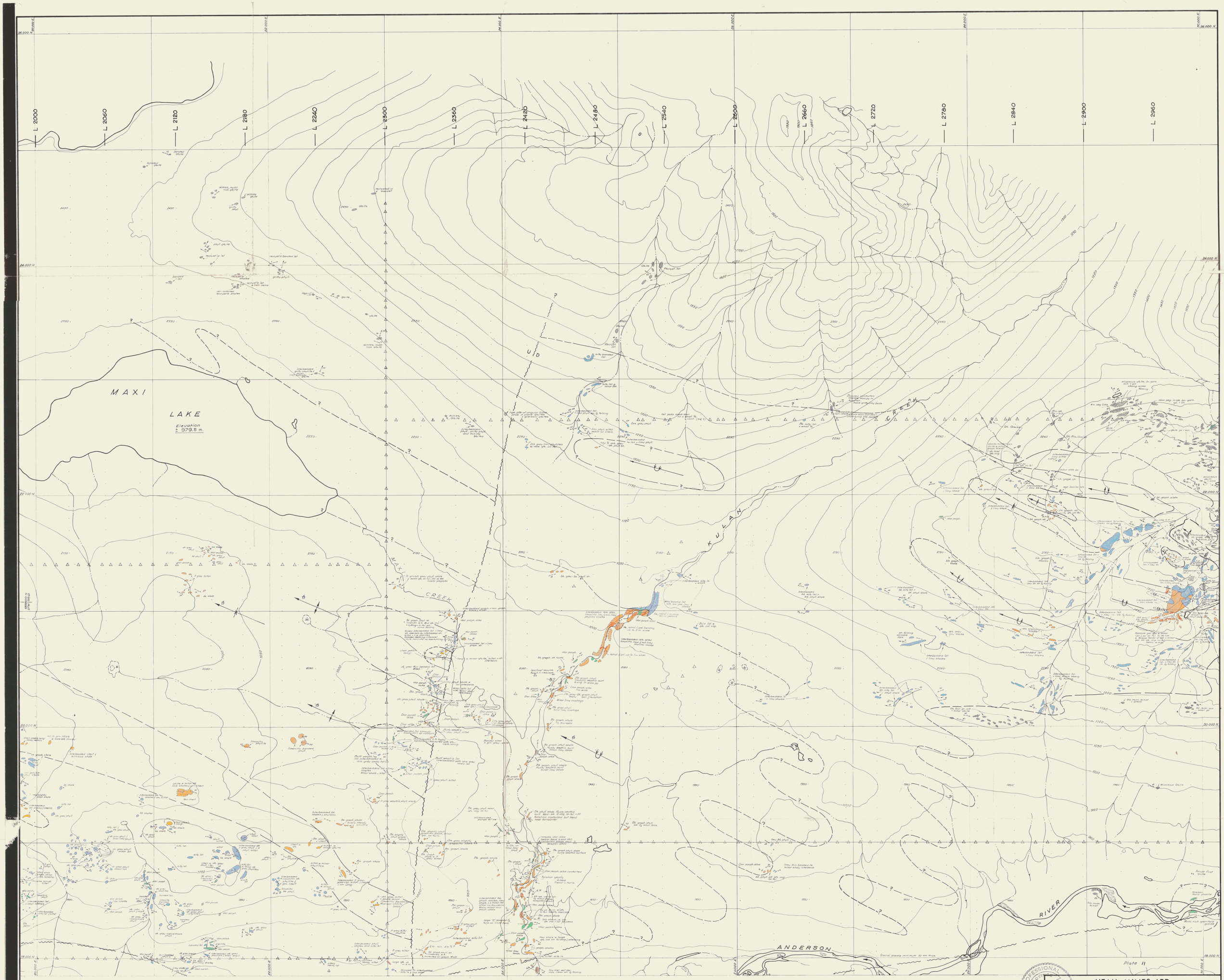
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GEOLOGY

Work by: G.A.C. & G.L.H.	Date: Oct. '78	NTS Ref. 105-H-11
Drawn by: C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING DISSEMINATED HZ-HYDROZINCITE, SPH-SPHALERITE GAL-GALENA, PY-PYRITE, PO-PYRRHOTITE

SYMBOLS

MAJOR CREEKS + RIVERS
CREEKS
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
CONTOUR INTERVAL 50 MTR.
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description
DIAMOND DRILL HOLE with total depth azimuth and inclination
TRANSIT LINES w/ HUBS
COMPASS LINES
SHEARS
JOINTS
CONTACTS (Defined, inferred, possible)
OUTCROPS
ANGULAR FLOAT
F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
F_3 FOLIATION (Dip 30° and Vertical)
F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
SYNCLINE, ANTICLINE W/ FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
SYNFORM, ANTIFORM (Overturned)
AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
FAULT W/ DIP 70° PLUNGE OF SLICKENSIDES 75°
FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
LARGE INFERRED FAULTS

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

A. Schmidt
Nov 14/78

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GEOLOGY

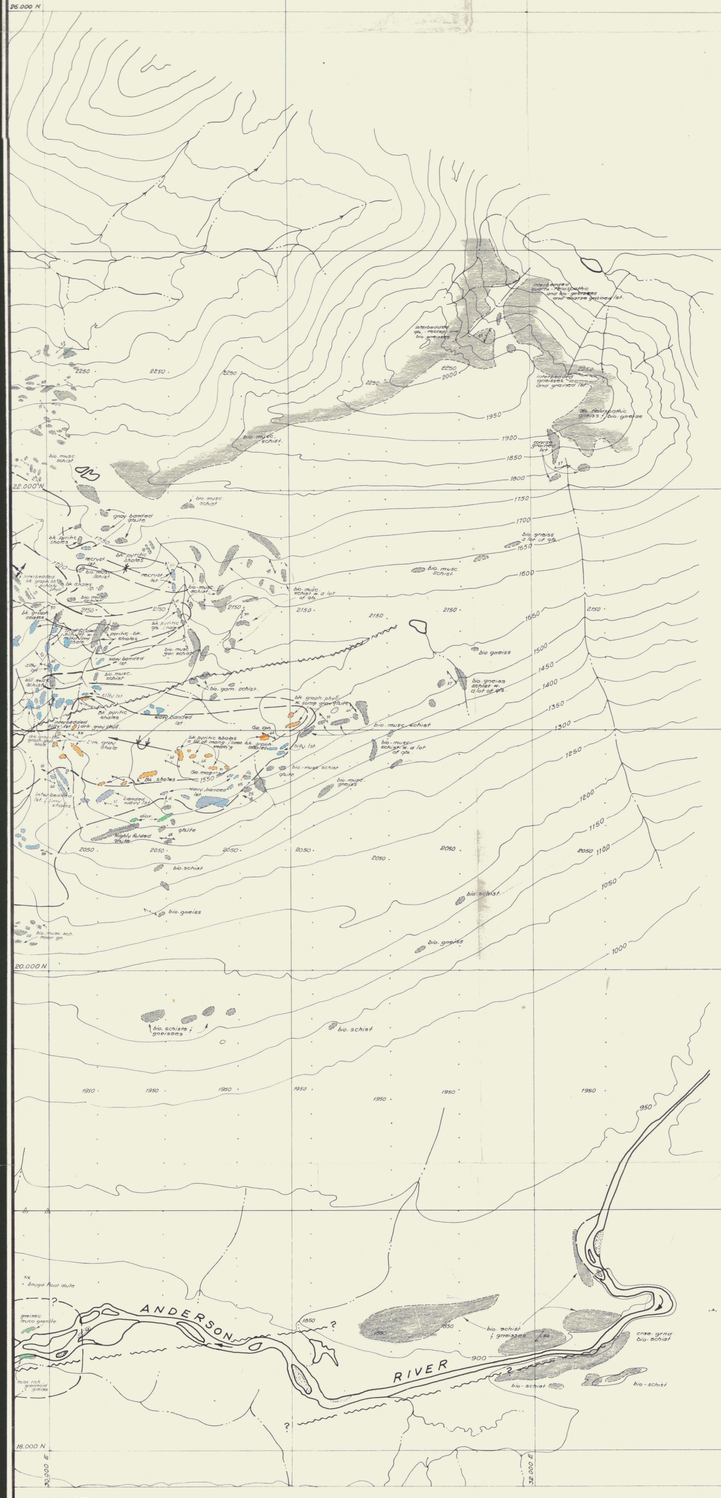
Work by: G.A.C. & G.L.H.	Date: Oct. '78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

L 3020

L 3080

L 3140


ANDERSON
RIVER
bio. schist
bio. gneiss
bio. mica schist
bio. schist & gneisses
bio. schist & gneiss
bio. schist & amphibolite
bio. mica schist
bio. gneiss
bio. schist
bio. schist & gneisses
bio. schist
bio. gneiss
bio. schist
bio. schist
bio. schist

LEGEND

CRETACEOUS GRANODIORITES W/MINOR GRANITE, DIORITE AND QUARTZ-DIORITE AND PORPHYRITIC EQUIVALENTS

DEVONIAN – MISSISSIPIAN BLACK SHALES CHERTS, SILTSTONES MINOR LIMESTONE + CONGLOMERATE

SILURIAN – DEVONIAN (1) GRAY SHALES + SILTSTONES, (2) LIMY SILTSTONES, SILTY LIMESTONES AND LIMESTONES, (3) CHERT PEBBLE CONGLOMERATE

SILURIAN VARICOLOURED CHERTS AND SILICEOUS SHALES

ORDOVICIAN – SILURIAN (1) BLACK GRAPHITIC SHALES, (2) MINOR LIMESTONE

CAMBRIAN – ORDOVICIAN INTERBEDDED SILTY LIMESTONE AND LIMY PHYLLITES (WAVY BANDED MEMBER)

PRECAMBRIAN (1) SCHISTS, GNEISSES, QUARTZITES, SLATES (2) RECRYSTALLIZED LIMESTONES AND MARBLES

ALTERATION AND MINERALIZATION:

SILICA PERVASIVE DISSEMINATED AND FRACTURE FILLING

CARBONATE PERVASIVE DISSEMINATED AND FRACTURE

MINERALIZATION MASSIVE, FRACTURE FILLING
DISSEMINATED HZ = HYDROZINCITE, SPH = SPHALERITE
GAL = GALENA, PY = PYRITE, PO = PYRRHOTITE

SYMBOLS

- MAJOR CREEKS + RIVERS
- CREEKS
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- CONTOUR INTERVAL 50 MTR.
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth azimuth and inclination
- TRANSIT LINES w/ HUBS
- COMPASS LINES
- SHEARS
- JOINTS
- CONTACTS (Defined, inferred, possible)
- OUTCROPS
- ANGULAR FLOAT
- F_1 BEDDING OR COMPOSITIONAL (Dip 30° and Vertical)
- F_2 FOLIATION (Dip 30° and Vertical) Penetrative axial plane cleavage
- F_3 FOLIATION (Dip 30° and Vertical)
- F_2, F_3 LINEATIONS SHOWING DIRECTION AND PLUNGES (10° and 15° respectively)
- F_2, F_3 FOLD AXES SHOWING FOLD GEOMETRY, DIRECTION AND PLUNGES (15°)
- SYNCLINE, ANTICLINE W/FOLD AXIS DIRECTION AND PLUNGES (10° and 15° respectively)
- SYNFORM, ANTIFORM
- AXIAL PLANE WITH DIP (10°) FOLD AXIS DIRECTION AND PLUNGE (5°)
- FAULT W/DIP 70° PLUNGE OF SLICKENSIDES 75°
- FAULT SHOWING RELATIVE STRIKE SLIP MOVEMENT
- LARGE INFERRED FAULTS



PLATE 13

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI ZONE
Detailed Geology

Work by: G.A.C. + G.L.H.	Date: Oct. 1978	NTS Ref. 105-H-11
Drawn by: C.D.	Revised:	

SCALE: 1:1250

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov. 14/78

ANDERSON

RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

-50 ZINC VALUE (PPM)

CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH-70 DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

LEGEND:

- BACKGROUND < 150 PPM
- POSSIBLY ANOMALOUS > 150 < 200 PPM
- PROBABLY ANOMALOUS > 200 < 300 PPM
- ANOMALOUS > 300 < 500 PPM
- VERY ANOMALOUS > 500 PPM

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

Plate 14

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY
ZINC

Work by G.A.C. & G.L.H.	Date: AUG 1978	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES

ANDER-SON RIVER

1800 N
1750 N
1700 N
1650 N
1600 N
1550 N
1500 N
1450 N
1400 N

L 2000 E
L 2030
L 2060
L 2090
L 2120
L 2150
L 2180
L 2210
L 2240
L 2255
L 2270
L 2285
L 2300
L 2315
L 2330
L 2345
L 2360
L 2390
L 2405
L 2420
L 2450
L 2480
L 2510
L 2540
L 2570
L 2600
L 2630
L 2660
L 2690
L 2720
L 2750
L 2780
L 2810
L 2840
L 2870
L 2900
L 2930
L 2960
L 2990 E

SYMBOLS :

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- -50 ZINC VALUE (PPM)
- LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND :

- BACKGROUND < 150 PPM
- POSSIBLY ANOMALOUS > 150 < 200 PPM
- PROBABLY ANOMALOUS > 200 < 300 PPM
- ANOMALOUS > 300 < 500 PPM
- VERY ANOMALOUS > 500 PPM

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A.J. SCHMIDT

Nov 14/78

Plate 15

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY

ZINC

Work by G.A.C. & G.L.H.	Date Aug 78	NTS Ref 105-14-11
Drawn by C.D.	Revised	

SCALE IN METRES

L 1380 E
L 1410
L 1440
L 1470
L 1500
L 1530
L 1550
L 1580
L 1610
L 1640
L 1670
L 1700
L 1730
L 1760
L 1790
L 1820
L 1850
L 1880
L 1910
L 1940
L 1970
L 2000

2500 N
2450 N
2400 N
2350 N
2300 N
2250 N
2200 N
2150 N
2100 N
2050 N
2000 N
1950 N
1900 N
1850 N
1800 N

THOMAS CREEK

Plate 16

SYMBOLS :

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

-50 ZINC VALUE (PPM)

LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH-78 DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

LEGEND :

- BACKGROUND < 150 PPM
- POSSIBLY ANOMALOUS > 150 < 200 PPM
- PROBABLY ANOMALOUS > 200 < 300 PPM
- ANOMALOUS > 300 < 500 PPM
- VERY ANOMALOUS > 500 PPM

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHLOSSER

UTAH MINES LTD.

EXPLORATION DEPARTMENT

VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

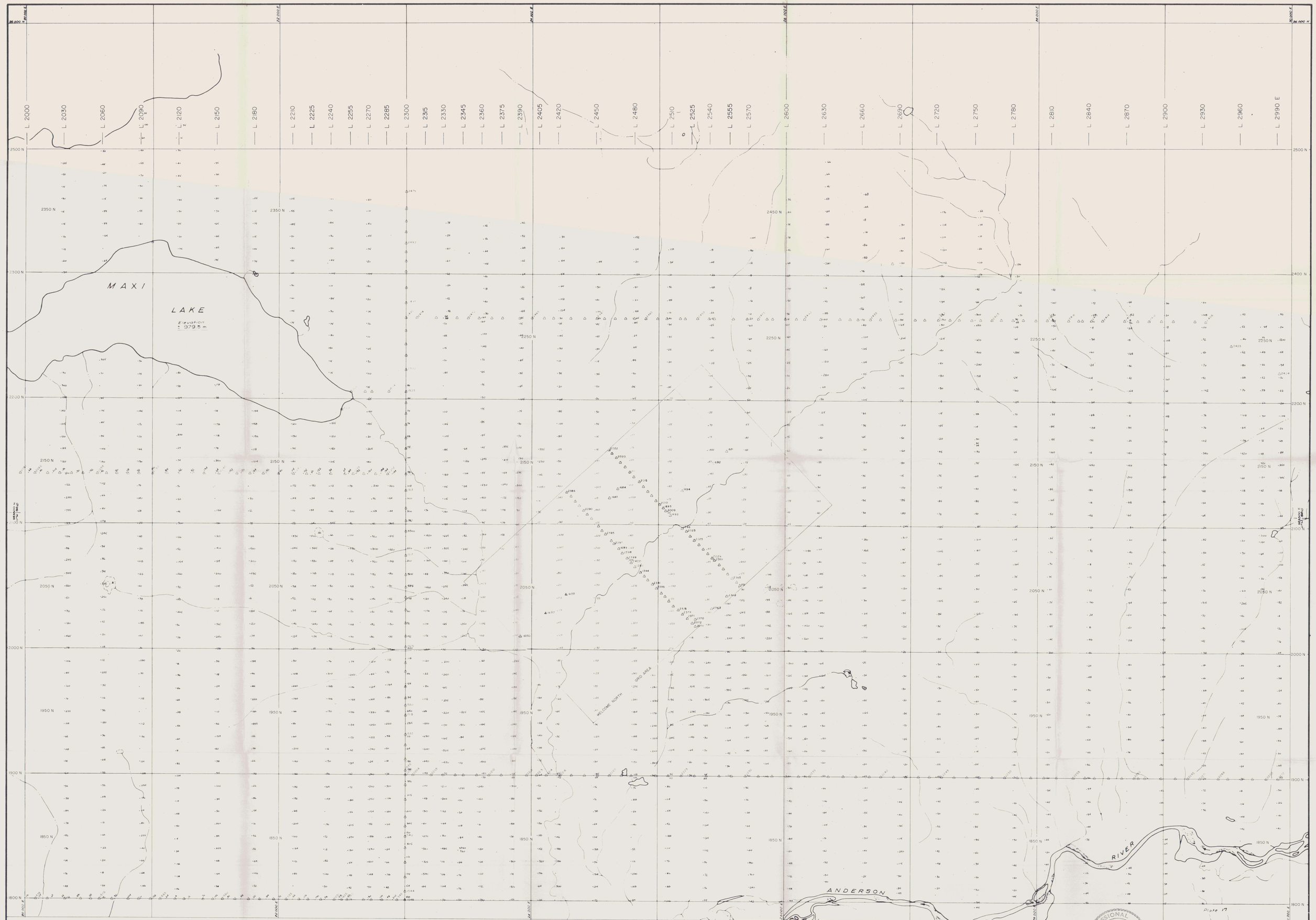
SOIL GEOCHEMISTRY

ZINC

Work by G.A.C. & G.L.H.	Date AUG '78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600

SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- ZINC VALUE (PPM)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 150 PPM
- POSSIBLY ANOMALOUS > 150 < 200 PPM
- PROBABLY ANOMALOUS > 200 < 300 PPM
- ANOMALOUS > 300 < 500 PPM
- VERY ANOMALOUS > 500 PPM

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

A. Schmidt Nov. 19/78

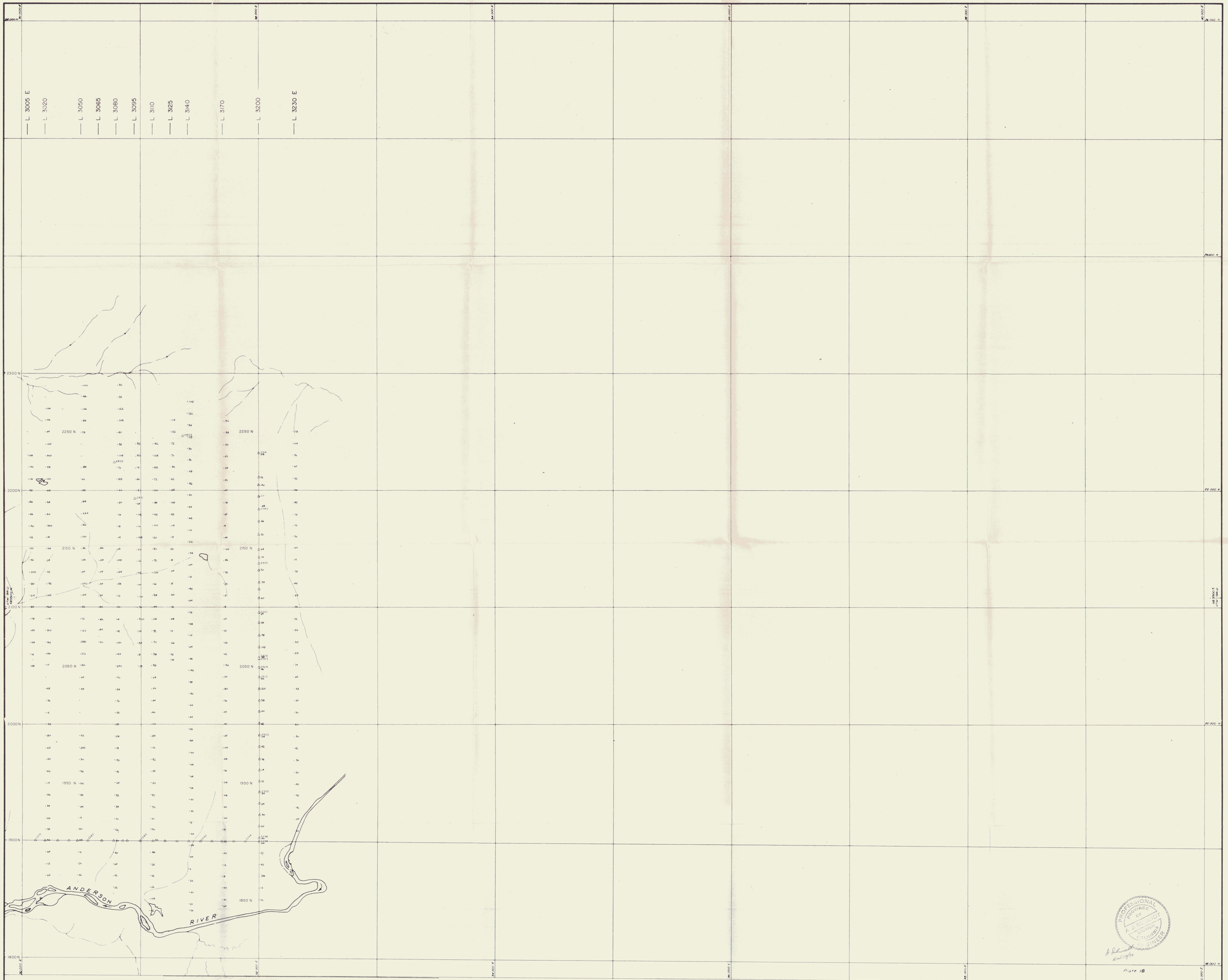
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY
ZINC

Work by G.R.C. & G.L.H.	Date: Aug 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- ZINC VALUE (PPM)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 150 PPM
- POSSIBLY ANOMALOUS > 150 < 200 PPM
- PROBABLY ANOMALOUS > 200 < 300 PPM
- ANOMALOUS > 300 < 500 PPM
- VERY ANOMALOUS > 500 PPM

INDEX

4	5	6
1	2	3

N

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY
ZINC

Work by G.A.C. & G.L.H.	Date AUG 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

- .10 LEAD VALUE (PPM)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH-70 -45° DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 15 PPM.
- POSSIBLY ANOMALOUS > 15 < 25 PPM
- PROBABLY ANOMALOUS > 25 < 50 PPM
- ANOMALOUS > 50 PPM

INDEX

4	5	6
1	2	3

Plate 19

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY
LEAD

Work by GAC & G.L.H	Date : Aug '78	NTS Ref 105-H-11
Drawn by C.D	Revised	

SCALE IN METRES

ANDERSON RIVER

1800 N
1750 N
1700 N
1650 N
1600 N
1550 N
1500 N
1450 N
1400 N
14 000 N
12 000 N
10 000 N

L 2000 E
L 2030
L 2060
L 2090
L 2120
L 2150
L 2180
L 2210
L 2240
L 2270
L 2300
L 2330
L 2360
L 2390
L 2420
L 2450
L 2480
L 2510
L 2540
L 2570
L 2600
L 2630
L 2660
L 2690
L 2720
L 2750
L 2780
L 2810
L 2840
L 2870
L 2900
L 2930
L 2960
L 2990 E

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

.10 LEAD VALUE (PPM)

LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

LEGEND:

- BACKGROUND < 15 PPM
- POSSIBLY ANOMALOUS > 15 < 25 PPM
- PROBABLY ANOMALOUS > 25 < 50 PPM
- ANOMALOUS > 50 PPM

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHLITT

Plate 20

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY
LEAD

Work by GAC. & G.L.H.	Date AUG 78	NTS Ref	105-14-11
Drawn by C.D.	Revised		

200 0 200 400 600
SCALE IN METRES

L 1410 L 1440 L 1470 L 1500 L 1530 L 1550 L 1580 L 1610 L 1640 L 1670 L 1700 L 1730 L 1760 L 1790 L 1820 L 1850 L 1880 L 1910 L 1940 L 1970 L 2000

2500 N 2450 N 2400 N 2350 N 2300 N 2250 N 2200 N 2150 N 2100 N 2050 N 2000 N 1950 N 1900 N 1850 N 1800 N

THOMAS CREEK

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- .10 LEAD VALUE (PPM)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 15 PPM
- POSSIBLY ANOMALOUS > 15 < 25 PPM
- PROBABLY ANOMALOUS > 25 < 50 PPM
- ANOMALOUS > 50 PPM

INDEX

4	5	6
1	2	3

Plate 21

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY LEAD

Work by G.A.C & G.L.H. | Date Aug 78 | NTS Ref 105-H-11
Drawn by C.D | Revised

SCALE IN METRES

L 2000 | L 2030 | L 2060 | L 2090 | L 2120 | L 2150 | L 2180 | L 2210 | L 2240 | L 2270 | L 2300 | L 2330 | L 2360 | L 2390 | L 2420 | L 2450 | L 2480 | L 2510 | L 2540 | L 2570 | L 2600 | L 2630 | L 2660 | L 2690 | L 2720 | L 2750 | L 2780 | L 2810 | L 2840 | L 2870 | L 2900 | L 2930 | L 2960 | L 2990 E

2500 N | 2450 N | 2400 N | 2350 N | 2300 N | 2250 N | 2200 N | 2150 N | 2100 N | 2050 N | 2000 N | 1950 N | 1900 N | 1850 N | 1800 N

MAXI

LAKE

Elevation ± 979.5 m

WELCOME NORTH GRID AREA

ANDERSON

RIVER

Plate 22

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- .10 LEAD VALUE (PPM)
- LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH-78 DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 15 PPM
- POSSIBLY ANOMALOUS > 15 < 25 PPM
- PROBABLY ANOMALOUS > 25 < 50 PPM
- ANOMALOUS > 50 PPM

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

UTAH MINES LTD.

EXPLORATION DEPARTMENT

VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY LEAD

Work by G.A.C. & G.L.H.	Date Aug '78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600 SCALE IN METRES

L 3020 E | L 3050 | L 3080 | L 3110 | L 3140 | L 3170 | L 3200 E

2300 N
2250 N
2200 N
2150 N
2100 N
2050 N
2000 N
1950 N
1900 N
1850 N
1800 N

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- .10 LEAD VALUE (PPM)
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- BACKGROUND < 15 PPM
- POSSIBLY ANOMALOUS > 15 < 25 PPM
- PROBABLY ANOMALOUS > 25 < 50 PPM
- ANOMALOUS > 50 PPM

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT

Plate 23

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

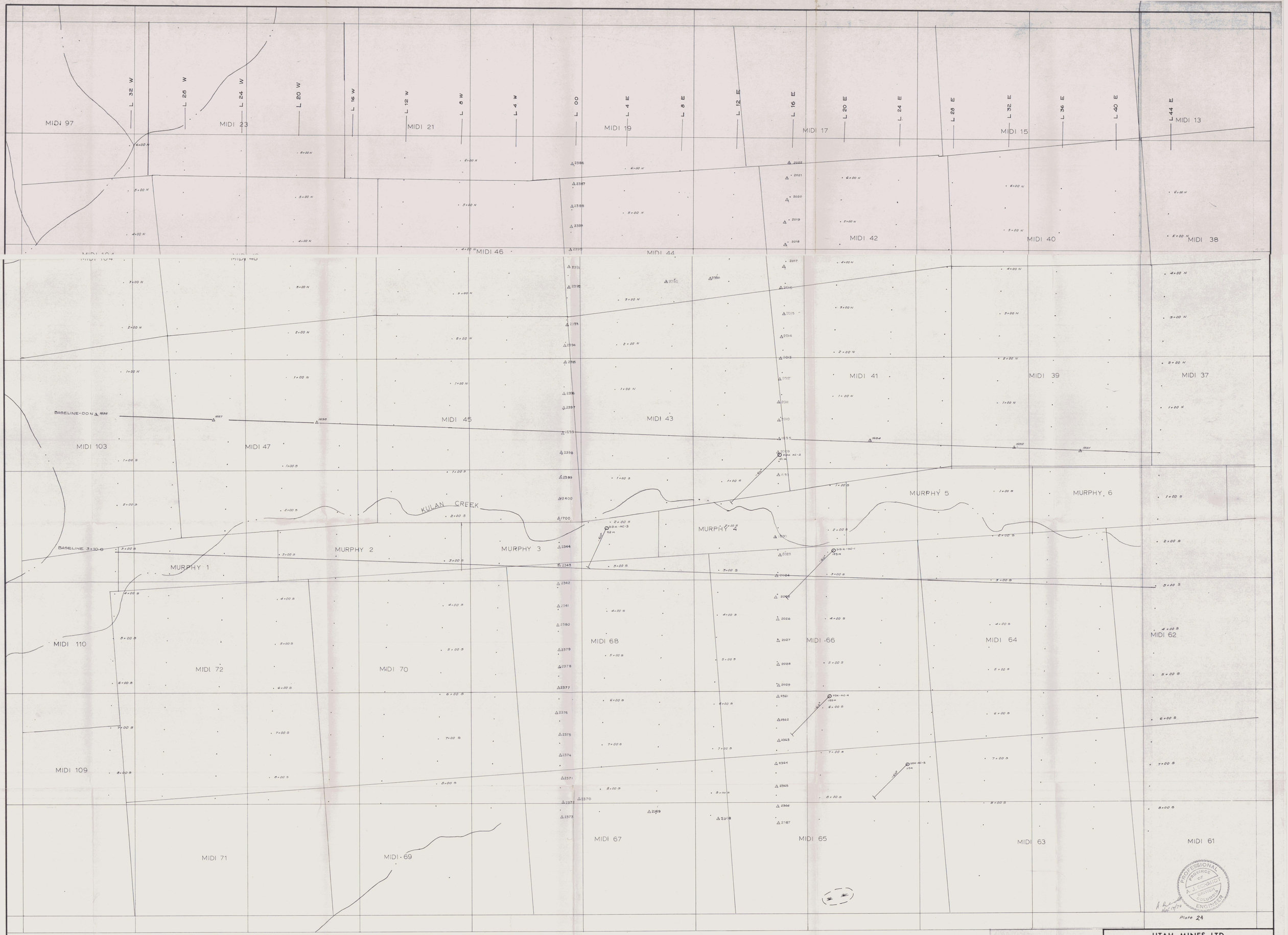
MAXI Pb/Zn PROSPECT, Y.T.

SOIL GEOCHEMISTRY

LEAD

Work by G.A.C. & G.L.H.	Date AUG 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES



LEGEND

- 3+00 N
- Baseline
- Creek
- Swamp
- 92m DRILLHOLE LOCATIONS with direction, angle and depth
- CLAIM OUTLINE with claim name

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

MAXI ZONE
DRILLHOLE LOCATIONS

Work by: G.L.H	Date: Oct. 1978	NTS Ref. 105-H-11
Drawn by: G. HOLLAND	Revised	

50 0 50 100 150
SCALE IN METRES

UTM GRID
460,000 E

ANDERSON

RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

750+ MAGNETOMETER VALUE (GAMMAS)

LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH-78 DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

Note:
To get total field values, add 58000 gammas to the readings

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

Plate 25

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GROUND MAGNETOMETER SURVEY

Work by: J. Waelar	Date: OCT 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

750- MAGNETOMETER VALUE (GAMMAS)

LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH-75 DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

INDEX

4	5	6
1	2	3

Note:
To get total field values, add 58000 gammas to the readings

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A.J. SCHMIDT

Nov 14 78

Plate 26

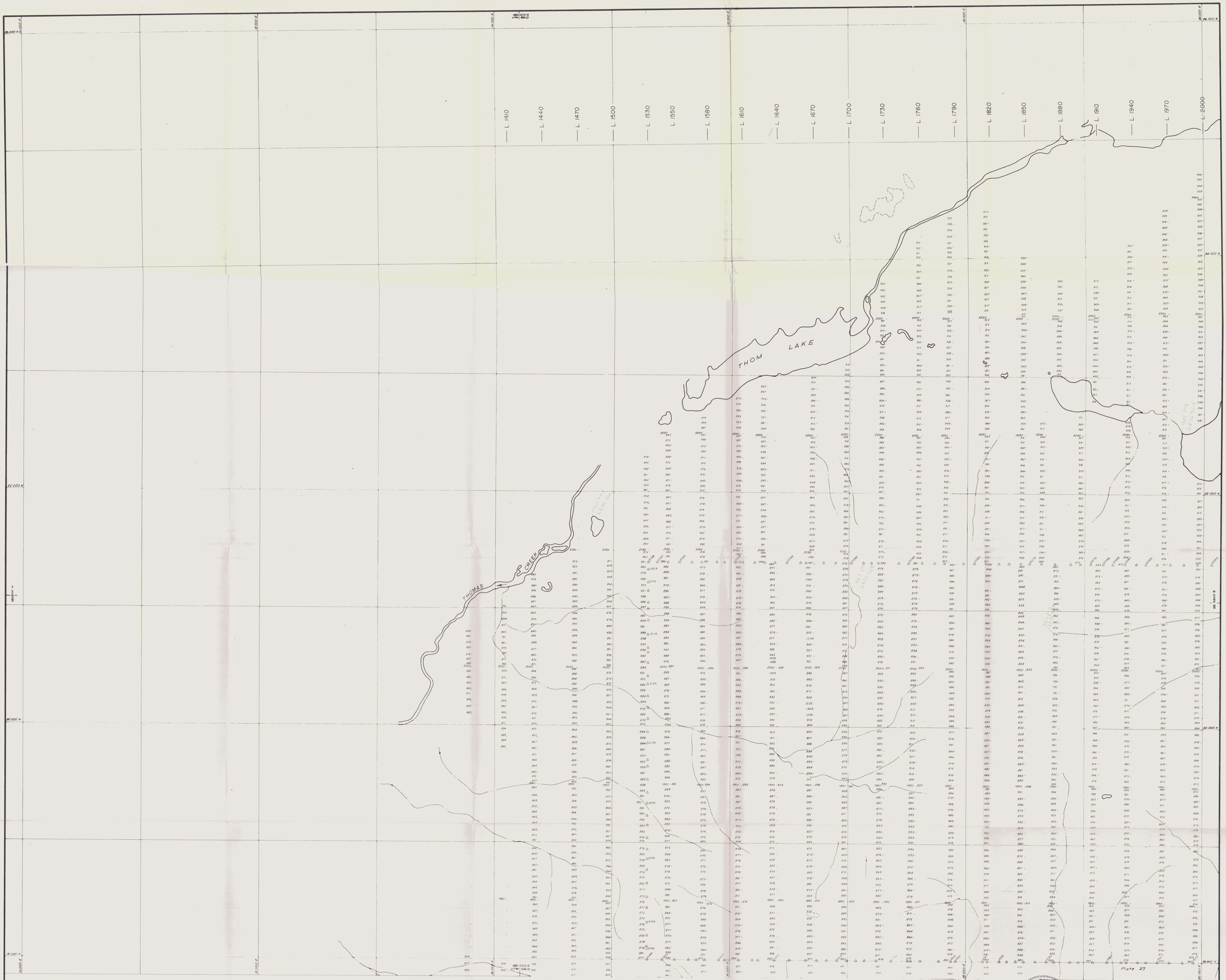
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GROUND MAGNETOMETER SURVEY

Work by: J. Vyselaar	Date: Oct 78	NTS Ref 105-H-11
Drawn by: C.D.	Revised	

SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- 75° MAGNETOMETER VALUE (GAMMAS)
- LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH-TD DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

Note:
To get total field values, add 58000 gammas to the readings

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT

A. Schmidt Nov. 14/78

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GROUND MAGNETOMETER SURVEY

Work by: J. Vyselaar	Date: Oct 78	NTS Ref. 105-H-11
Drawn by: C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

L 2000 | L 2030 | L 2060 | L 2090 | L 2120 | L 2150 | L 2180 | L 2210 | L 2240 | L 2270 | L 2300 | L 2330 | L 2360 | L 2390 | L 2420 | L 2450 | L 2480 | L 2510 | L 2540 | L 2570 | L 2600 | L 2630 | L 2660 | L 2690 | L 2720 | L 2750 | L 2780 | L 2810 | L 2840 | L 2870 | L 2900 | L 2930 | L 2960 | L 2990 E

12 000 E | 14 000 E | 16 000 E | 18 000 E | 20 000 E | 22 000 E | 24 000 E | 26 000 E | 28 000 E | 30 000 E

26 000 N | 24 000 N | 22 000 N | 20 000 N | 18 000 N

MAXI

LAKE

Elevation ± 979.5 m

ANDERSON

RIVER

Plate 28

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

750 MAGNETOMETER VALUE (GAMMAS)

LD CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)

DDH 70 45° DIAMOND DRILL HOLE with total depth Azimuth and inclination

TRANSIT LINES w/HUBS

PICKET LINES

INDEX

4	5	6
1	2	3

Note: To get total field values, add 58000 gammas to the readings

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A.J. SCHMIDT

A. Schmidt Nov 14/78

UTAH MINES LTD.

EXPLORATION DEPARTMENT

VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GROUND MAGNETOMETER SURVEY

Work by J. Vaselaar	Date Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600

SCALE IN METRES

L 3020 E
L 3050
L 3080
L 3110
L 3140
L 3170
L 3200 E

38,000 E
36,000 E
34,000 E
32,000 E
30,000 E
28,000 E
26,000 N
24,000 N
22,000 N
20,000 N
18,000 N

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES

- 758+ MAGNETOMETER VALUE (GAMMAS)
- LP CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH-70 DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/ HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

Note:
To get total Field values, add 58000 gammas to the readings

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov 14/78

Plate 29

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

GROUND MAGNETOMETER SURVEY

Work by J. Vyse Ioan	Date. Oct '78	NTS Ref	105-H-11
Drawn by C.D.	Revised		

SCALE IN METRES

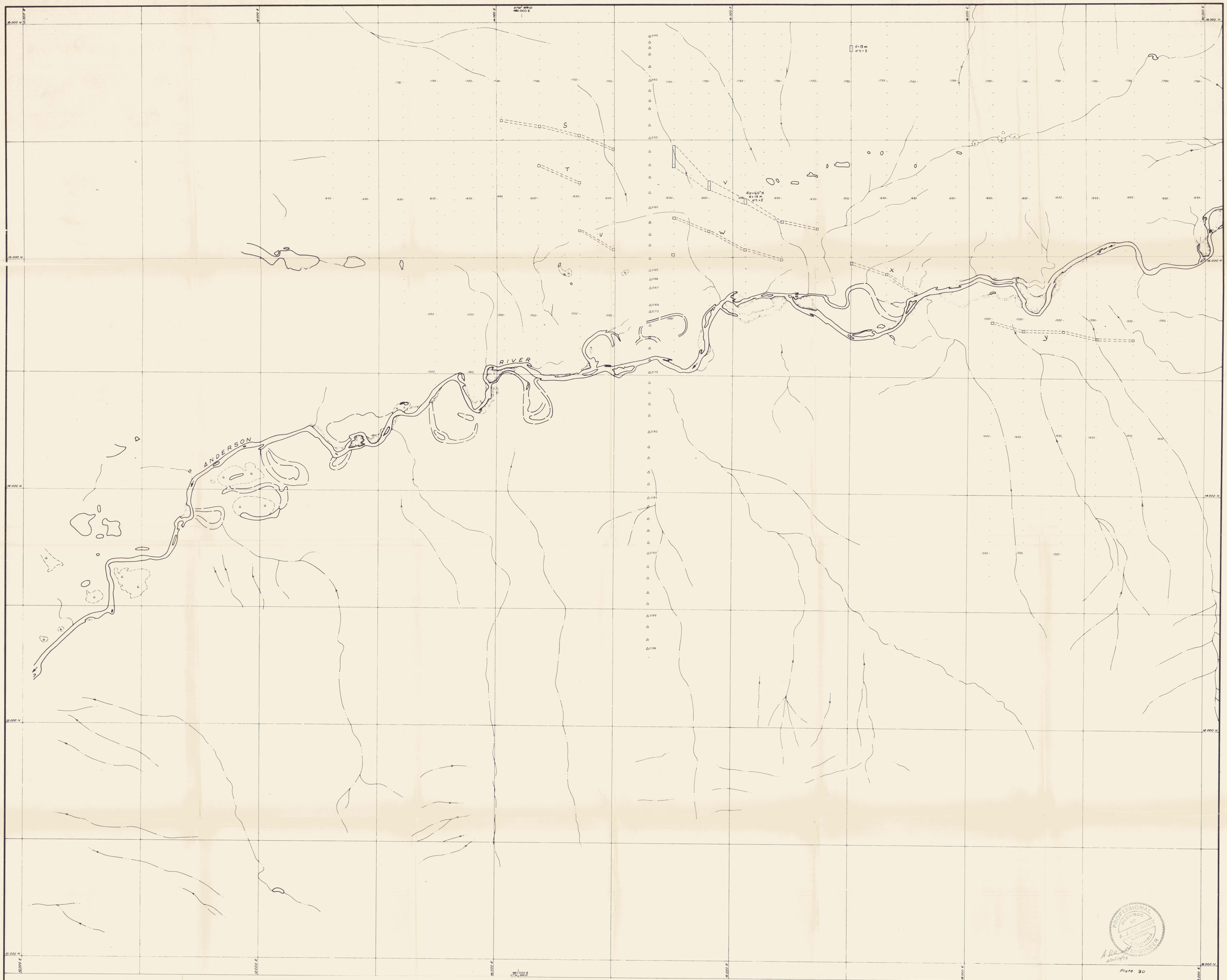


Plate 30

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

CONDUCTORS

- GOOD TO EXCELLENT
- FAIR TO GOOD
- POOR TO FAIR

στ - CONDUCTIVITY WIDTH PRODUCT (MHOS)

d - DEPTH TO CONDUCTOR TOP (METERS)

INDEX

4	5	6
1	2	3

N

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

ELECTROMAGNETIC ANOMALY MAP

Work by J. Vyselaar	Date: Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- LP — CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- TD -45° — DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

CONDUCTORS

- $\sigma\tau$ GOOD TO EXCELLENT
- FAIR TO GOOD
- POOR TO FAIR

$\sigma\tau$ - CONDUCTIVITY WIDTH PRODUCT (MHOS)

d - DEPTH TO CONDUCTOR TOP (METERS)

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. [illegible]

Nov 14/78

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

ELECTROMAGNETIC ANOMALY MAP

Work by J. Vyselaar	Date: Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

L. 1410 L. 1440 L. 1470 L. 1500 L. 1530 L. 1550 L. 1580 L. 1610 L. 1640 L. 1670 L. 1700 L. 1730 L. 1760 L. 1790 L. 1820 L. 1850 L. 1880 L. 1910 L. 1940 L. 1970 L. 2000

480,000 E UTM GRID

THOM LAKE

THOMAS CREEK

460,000 E UTM GRID

Plate 32.

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/ HUBS
- PICKET LINES

LEGEND:

CONDUCTORS

- GOOD TO EXCELLENT
- FAIR TO GOOD
- POOR TO FAIR

σt - CONDUCTIVITY WIDTH PRODUCT (MHOS)

d - DEPTH TO CONDUCTOR TOP (METERS)

INDEX

4	5	6
1	2	3

N

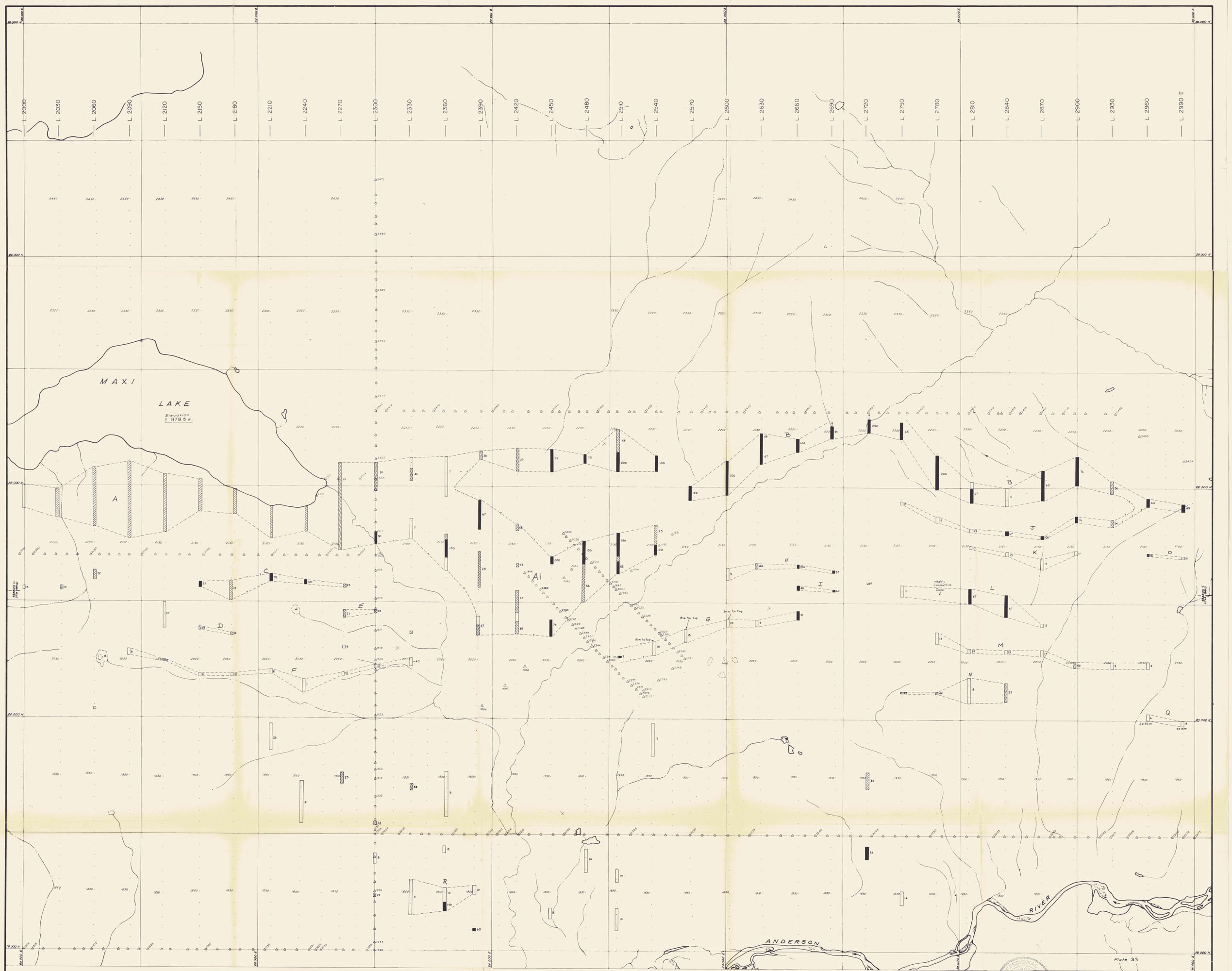
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

ELECTROMAGNETIC ANOMALY MAP

Work by J. Vyselaar	Date: Oct 78	NTS Ref	105-H-11
Drawn by C.D.	Revised		

200 0 200 400 600
SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

CONDUCTORS

- GOOD TO EXCELLENT
- FAIR TO GOOD
- POOR TO FAIR

- CONDUCTIVITY WIDTH PRODUCT (MHOS)
- d – DEPTH TO CONDUCTOR TOP (METERS)

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

ELECTROMAGNETIC ANOMALY MAP

Work by J. Vyselaar	Date: Oct 78	NTS Ref	105-H-11
Drawn by C.D.	Revised		

200 0 200 400 600
SCALE IN METRES

L 3020 E
L 3050
L 3080
L 3110
L 3140
L 3170
L 3200 E

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

LEGEND:

- CONDUCTORS
- GOOD TO EXCELLENT
- FAIR TO GOOD
- POOR TO FAIR

$\sigma\tau$ - CONDUCTIVITY WIDTH PRODUCT (MHOS)

d - DEPTH TO CONDUCTOR TOP (METERS)

INDEX

4	5	6
1	2	3

Plate 34

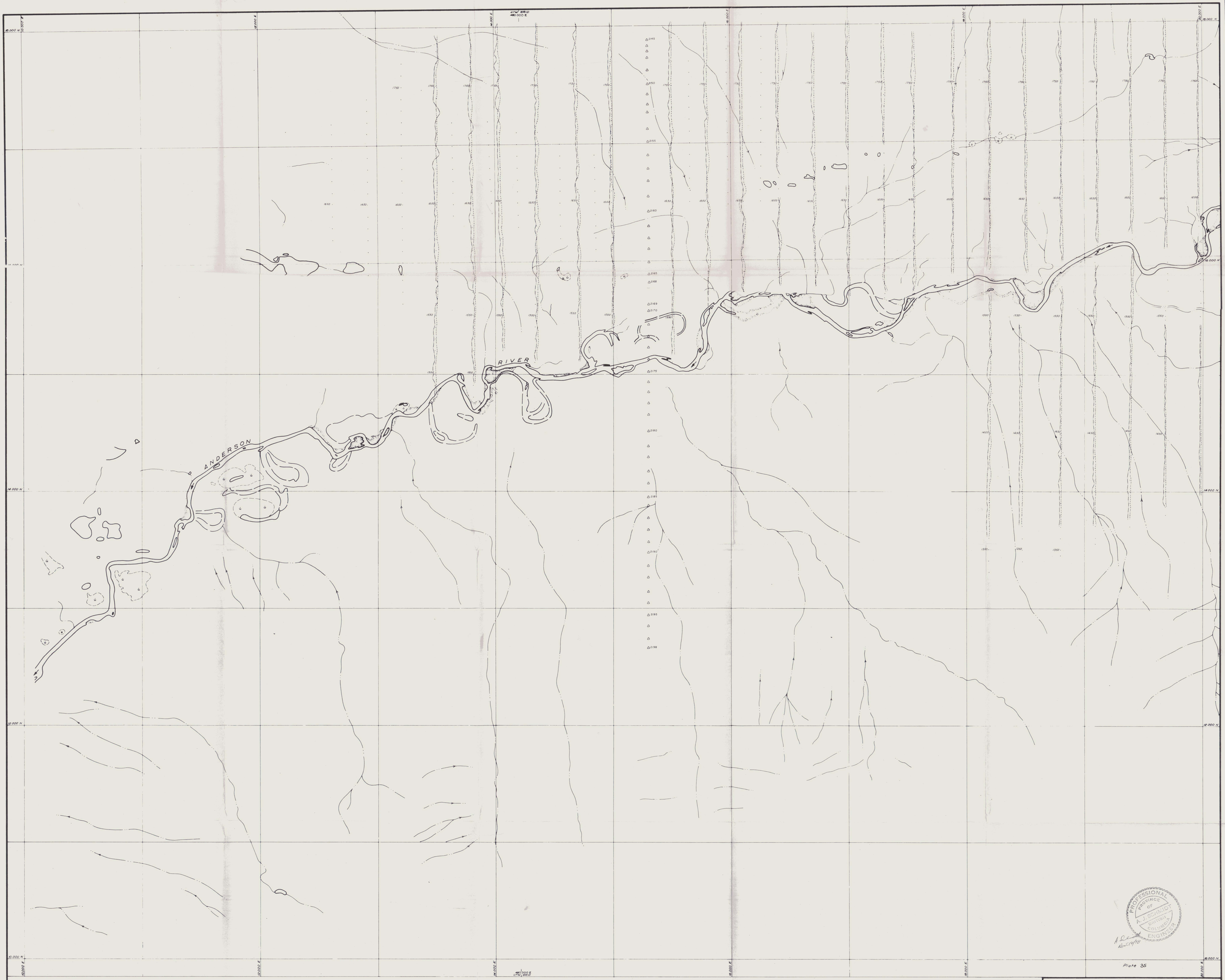
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

ELECTROMAGNETIC ANOMALY MAP

Work by J. Vuselaar	Date: Oct 78	NTS Ref	105-H-11
Drawn by C.D.	Revised		

SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION : 150 meters
IN PHASE
QUADRATURE

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov 14/78

Plate 35

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
444 Hz

Work by J. Vyselaar	Date: OCT 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DDH- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT

Plate 36

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
444 Hz

Work by J. Wyseloar	Date: Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

L 1410 L 1440 L 1470 L 1500 L 1530 L 1550 L 1580 L 1610 L 1640 L 1670 L 1700 L 1730 L 1760 L 1790 L 1820 L 1850 L 1880 L 1910 L 1940 L 1970 L 2000

THOM LAKE

THOMAS CREEK

Plate 37

INDEX

4	5	6
1	2	3

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION: 150 meters

- IN PHASE
- QUADRATURE

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

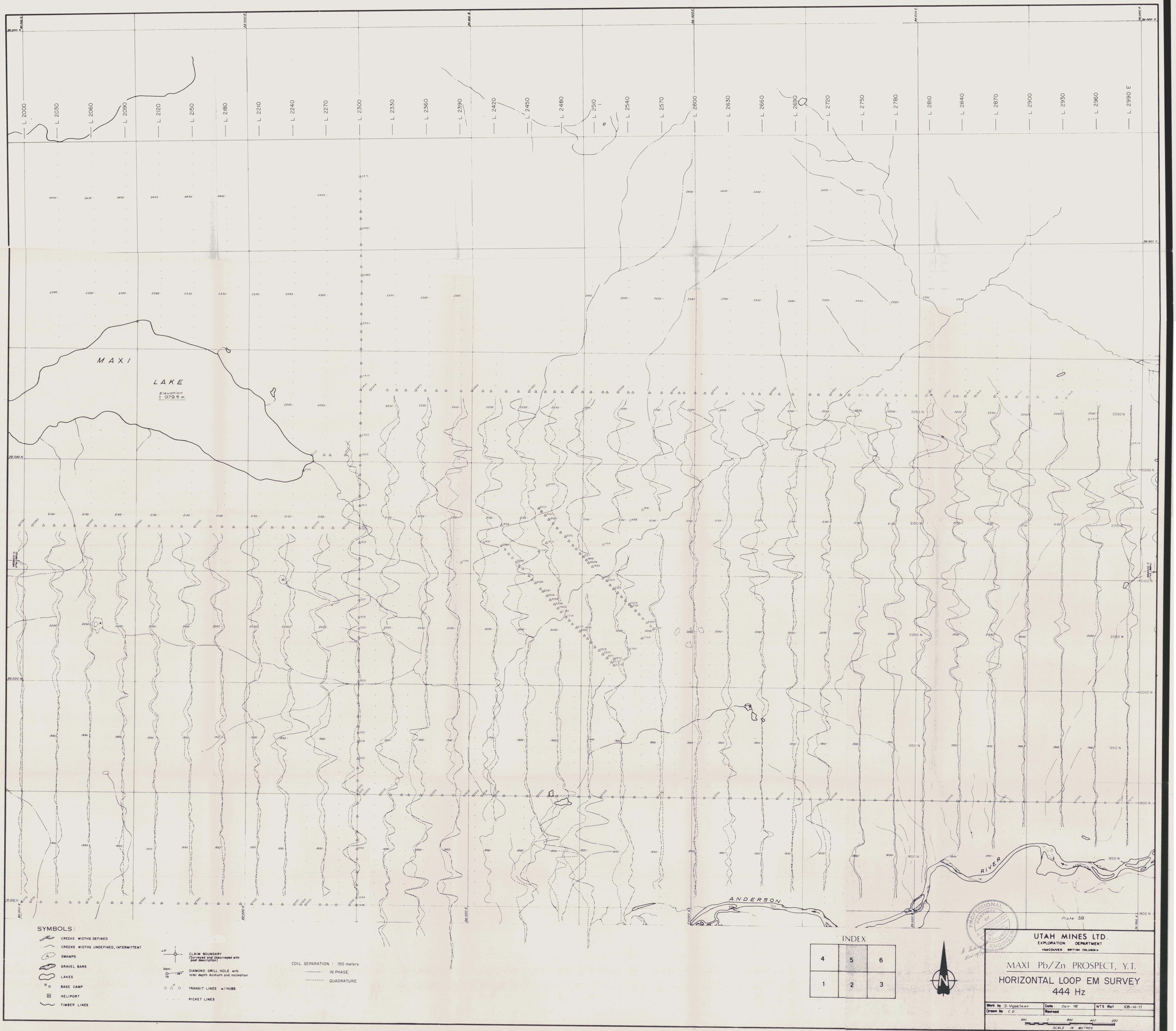
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
444 Hz

Work by J. Vyselaar	Date: Oct 78	NTS Ref	105-H-11
Drawn by C.D.	Revised		

200 0 200 400 600
SCALE IN METRES



L. 2000
L. 2030
L. 2060
L. 2090
L. 2120
L. 2150
L. 2180
L. 2210
L. 2240
L. 2270
L. 2300
L. 2330
L. 2360
L. 2390
L. 2420
L. 2450
L. 2480
L. 2510
L. 2540
L. 2570
L. 2600
L. 2630
L. 2660
L. 2690
L. 2720
L. 2750
L. 2780
L. 2810
L. 2840
L. 2870
L. 2900
L. 2930
L. 2960
L. 2990 E
MAXI
LAKE
Elevation
± 979.5 m.
ANDERSON
RIVER
Plate 3B
SYMBOLS:
CREEKS WIDTHS DEFINED
CREEKS WIDTHS UNDEFINED, INTERMITTENT
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
TIMBER LINES
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
DIAMOND DRILL HOLE with total depth Azimuth and inclination
TRANSIT LINES w/HUBS
PICKET LINES
COIL SEPARATION : 150 meters
IN PHASE
QUADRATURE
INDEX
4
5
6
1
2
3
N
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. SCHMIDT
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA
MAXI Pb/Zn PROSPECT, Y.T.
HORIZONTAL LOOP EM SURVEY
444 Hz
Work by J. Vyselaar
Drawn by C.D.
Date Oct 78
Revised
NTS Ref 105-H-11
200 0 200 400 600
SCALE IN METRES

L 3020 E
L 3050
L 3080
L 3110
L 3140
L 3170
L 3200 E

ANDERSON RIVER

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION : 150 meters
- IN PHASE
- QUADRATURE

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. J. SCHMIDT
Nov 14/78

Plate 39

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
444 Hz

Work by J. Vyselaar	Date: Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

SCALE IN METRES

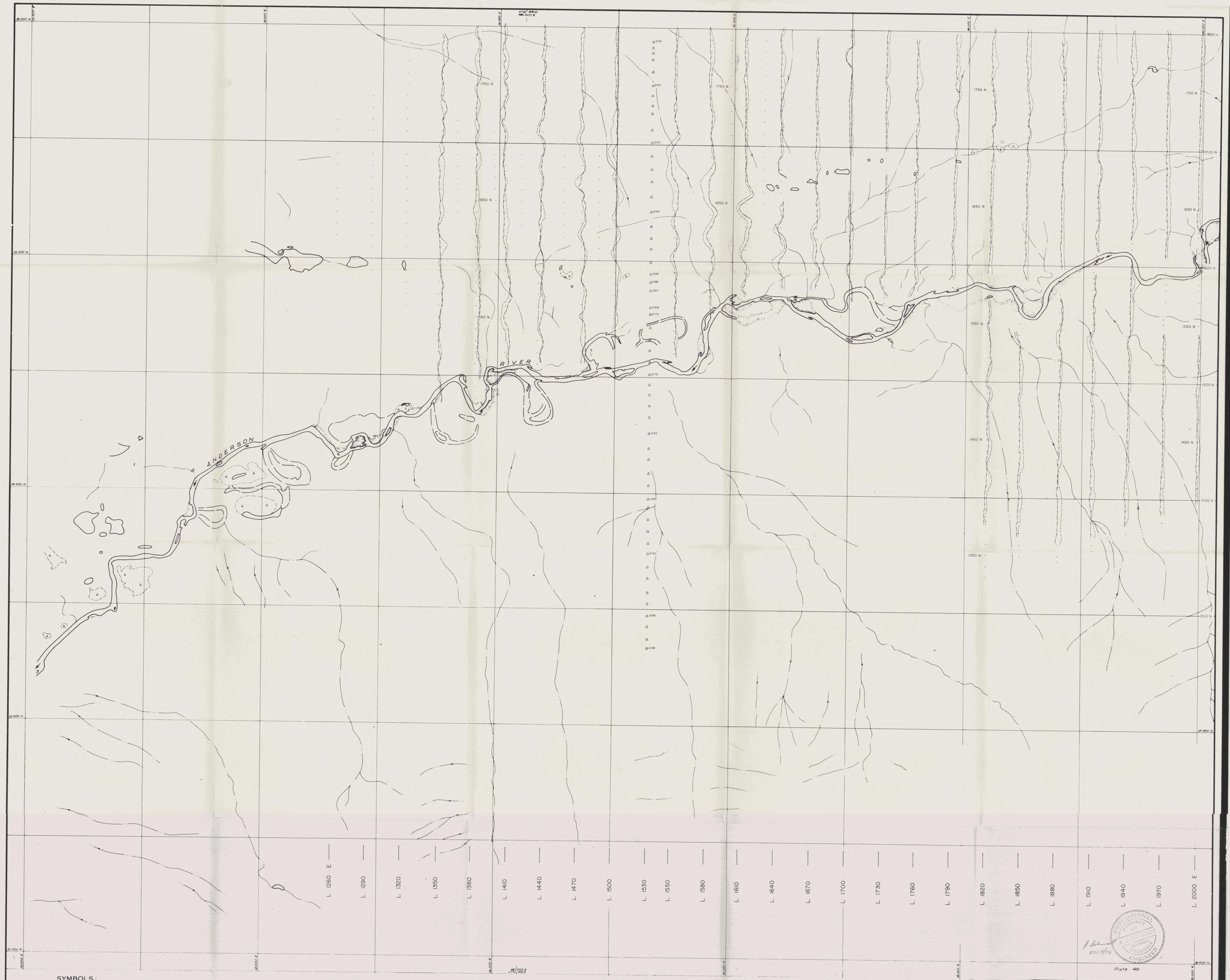


Plate 40

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION: 150 meters

IN PHASE

QUADRATURE

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

Nov 14/78

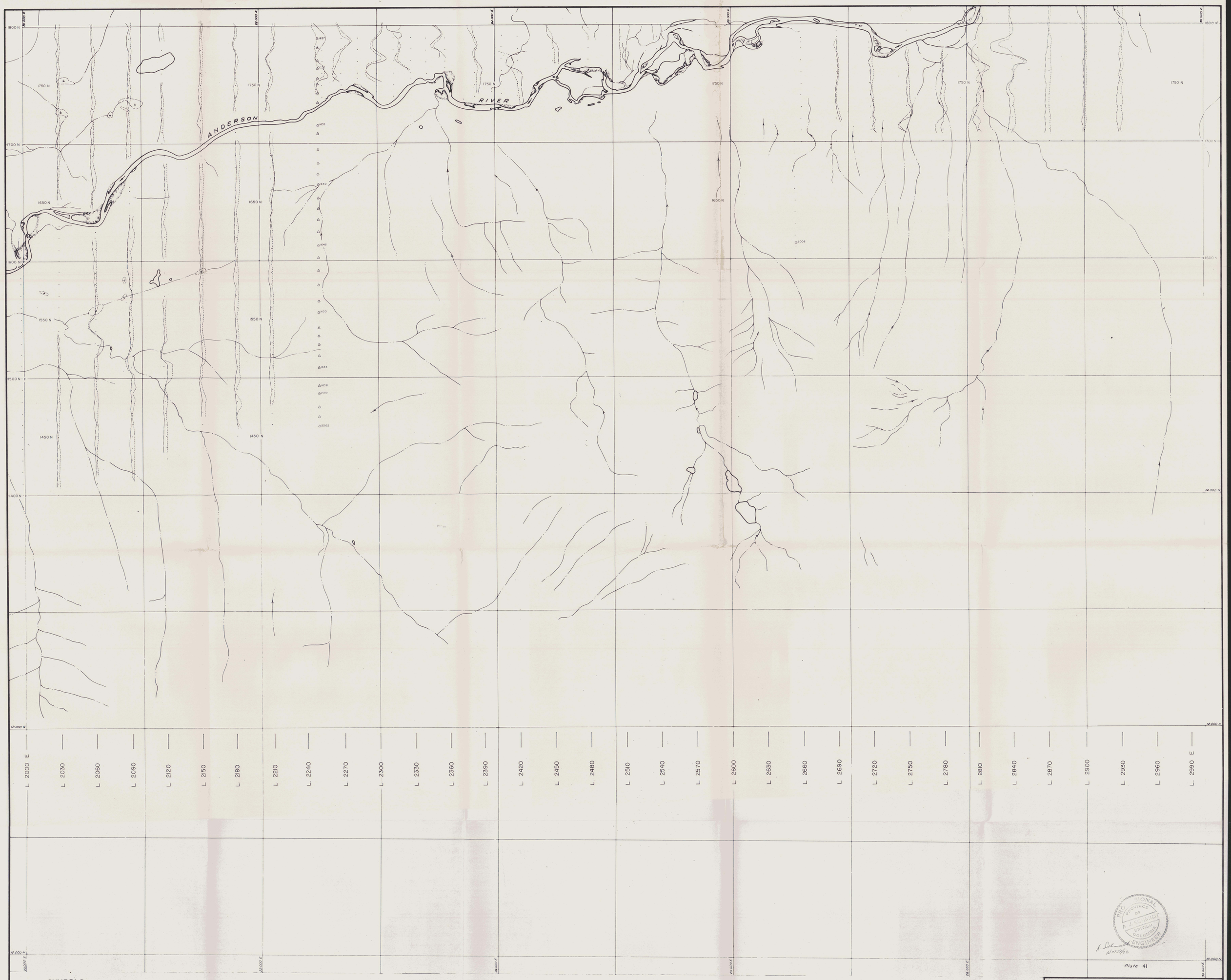
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
1777 Hz

Work by J. Vyselaar	Date: Oct. 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION: 150 meters

IN PHASE

QUADRATURE

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

Plate 41

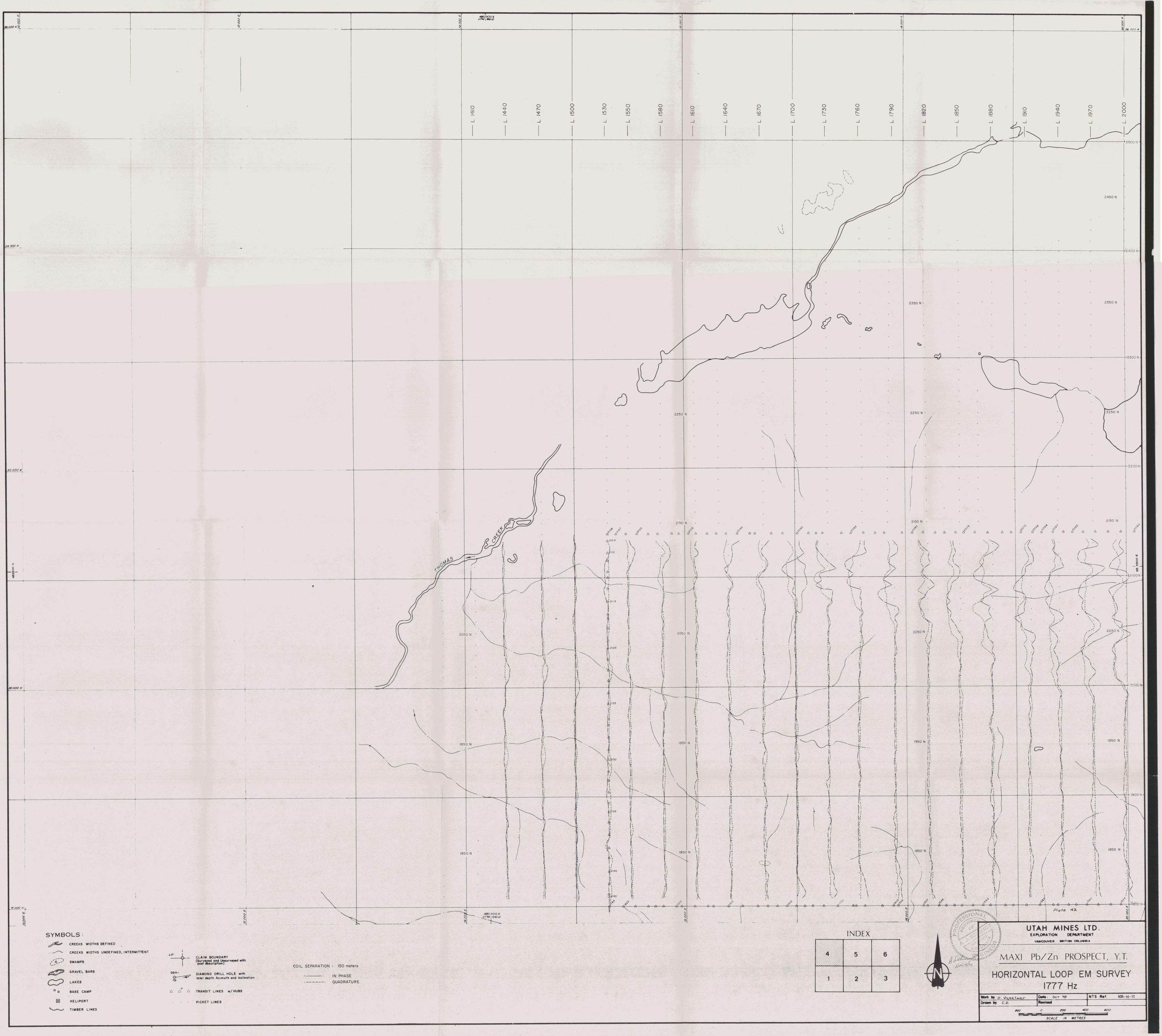
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

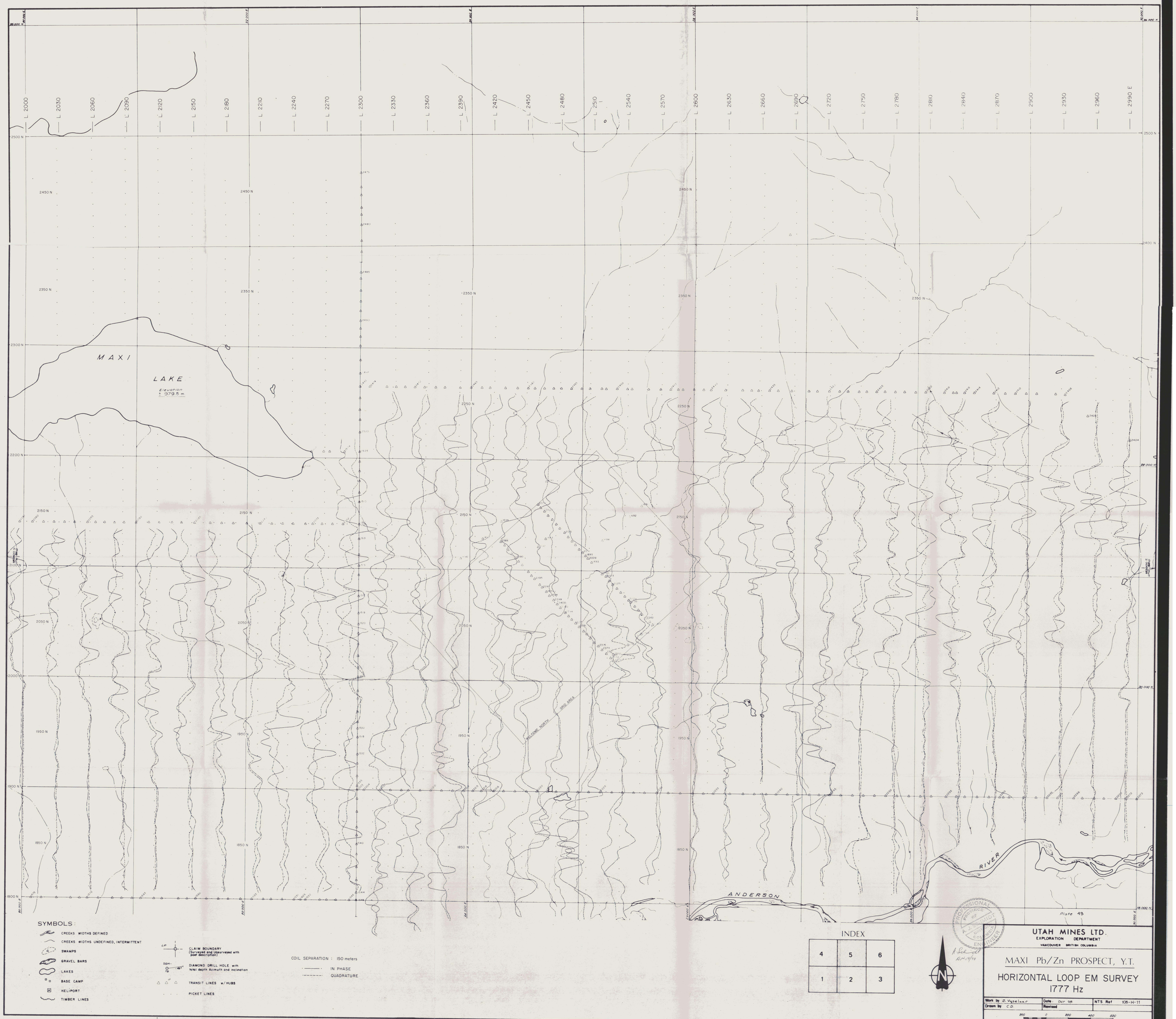
HORIZONTAL LOOP EM SURVEY
1777 Hz

Work by J. Vuselaar	Date: Oct. 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



L. 1410
L. 1440
L. 1470
L. 1500
L. 1530
L. 1550
L. 1580
L. 1610
L. 1640
L. 1670
L. 1700
L. 1730
L. 1760
L. 1790
L. 1820
L. 1850
L. 1880
L. 1910
L. 1940
L. 1970
L. 2000
THOMAS CREEK
2500 N
2450 N
2400 N
2350 N
2300 N
2250 N
2200 N
2150 N
2100 N
2050 N
2000 N
1950 N
1900 N
1850 N
1800 N
480,000 E UTM GRID
Plate 42
SYMBOLS:
CREEKS WIDTHS DEFINED
CREEKS WIDTHS UNDEFINED, INTERMITTENT
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
TIMBER LINES
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
DIAMOND DRILL HOLE with total depth Azimuth and inclination
TRANSIT LINES w/HUBS
PICKET LINES
COIL SEPARATION : 150 meters
IN PHASE
QUADRATURE
INDEX
4
5
6
1
2
3
N
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA
MAXI Pb/Zn PROSPECT, Y.T.
HORIZONTAL LOOP EM SURVEY
1777 Hz
Work by J. Vyselaar
Date: Oct 78
NTS Ref. 105-H-11
Drawn by C.D.
Revised
200 0 200 400 600
SCALE IN METRES



L 2000
L 2030
L 2060
L 2090
L 2120
L 2150
L 2180
L 2210
L 2240
L 2270
L 2300
L 2330
L 2360
L 2390
L 2420
L 2450
L 2480
L 2510
L 2540
L 2570
L 2600
L 2630
L 2660
L 2690
L 2720
L 2750
L 2780
L 2810
L 2840
L 2870
L 2900
L 2930
L 2960
L 2990 E
2500 N
2450 N
2400 N
2350 N
2300 N
2250 N
2200 N
2150 N
2100 N
2050 N
2000 N
1950 N
1900 N
1850 N
1800 N
MAXI
LAKE
Elevation
± 979.5 m
WELCOME NORTH GRID AREA
ANDERSON
RIVER
Plate 43
SYMBOLS:
CREEKS WIDTHS DEFINED
CREEKS WIDTHS UNDEFINED, INTERMITTENT
SWAMPS
GRAVEL BARS
LAKES
BASE CAMP
HELIPORT
TIMBER LINES
CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
DIAMOND DRILL HOLE with total depth Azimuth and inclination
TRANSIT LINES w/HUBS
PICKET LINES
COIL SEPARATION : 150 meters
IN PHASE
QUADRATURE
INDEX
4
5
6
1
2
3
N
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA
MAXI Pb/Zn PROSPECT, Y.T.
HORIZONTAL LOOP EM SURVEY
1777 Hz
Work by J. Vyselaar
Drawn by C.D.
Date: Oct 78
Revised
NTS Ref 105-H-11
200 0 200 400 600
SCALE IN METRES

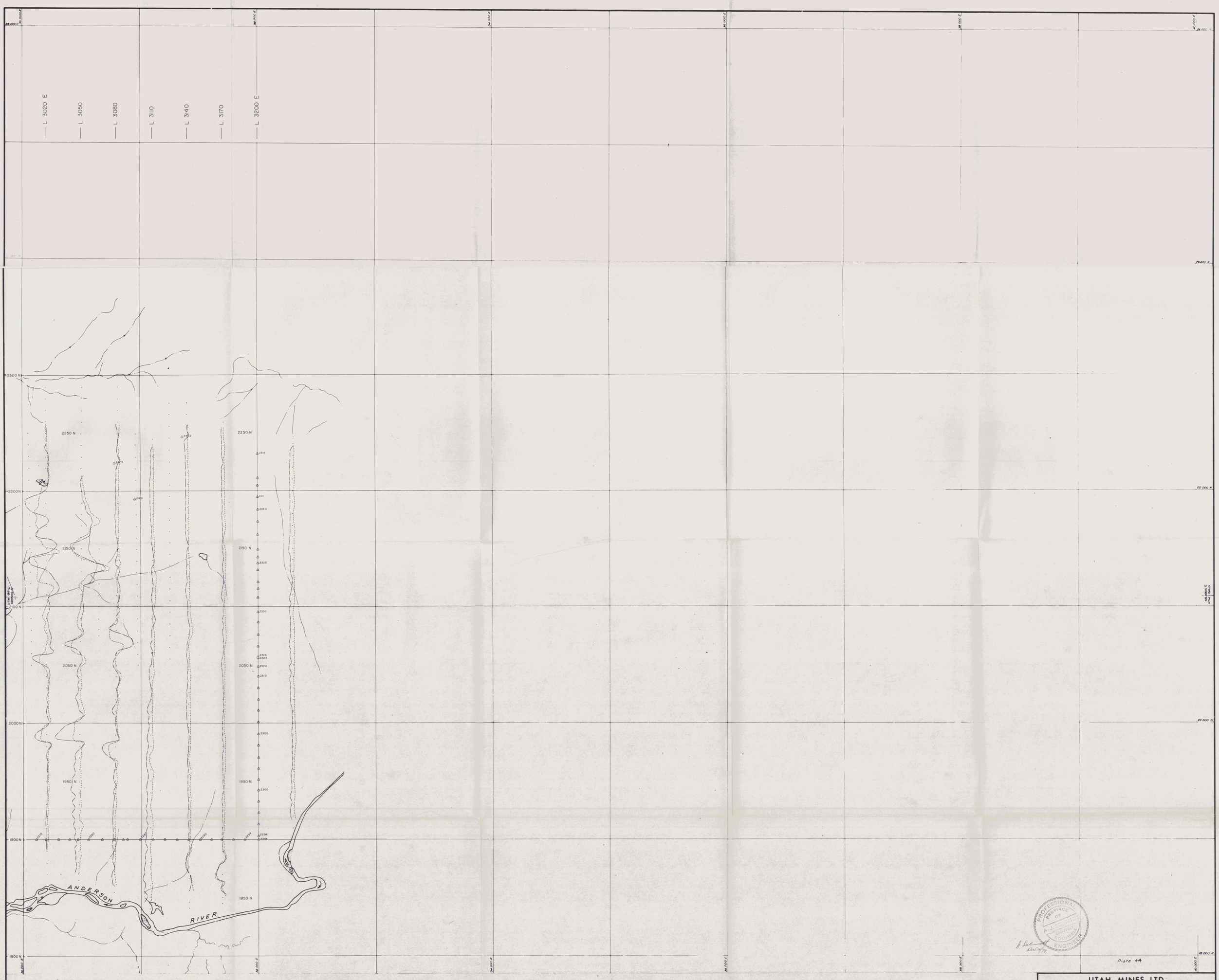


Plate 44

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION: 150 meters

IN PHASE

QUADRATURE

INDEX

4	5	6
1	2	3

N

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

Dec 14/78

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY
1777 Hz

Work by J. Vyselaar	Date: Oct 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES



SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION: 100 metres

390 Hz

1830 Hz

1cm = 10°

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

A. J. Schmidt
Nov 14/78

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SHOOTBACK
ELECTROMAGNETIC SURVEY

Work by J. Vyselaar	Date: Oct 78	NTS Ref. 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600
SCALE IN METRES

L 2000 | L 2030 | L 2060 | L 2090 | L 2120 | L 2150 | L 2180 | L 2210 | L 2240 | L 2270 | L 2300 | L 2330 | L 2360 | L 2390 | L 2420 | L 2450 | L 2480 | L 2510 | L 2540 | L 2570 | L 2600 | L 2630 | L 2660 | L 2690 | L 2720 | L 2750 | L 2780 | L 2810 | L 2840 | L 2870 | L 2900 | L 2930 | L 2960 | L 2990 E

MAXI

LAKE

Elevation ± 979.5 m.

ANDERSON

RIVER

Plate 16

SYMBOLS:

- CREEKS WIDTHS DEFINED
- CREEKS WIDTHS UNDEFINED, INTERMITTENT
- SWAMPS
- GRAVEL BARS
- LAKES
- BASE CAMP
- HELIPORT
- TIMBER LINES
- CLAIM BOUNDARY (Surveyed and Unsurveyed with post description)
- DIAMOND DRILL HOLE with total depth Azimuth and inclination
- TRANSIT LINES w/HUBS
- PICKET LINES

COIL SEPARATION 100 metres

390 Hz

1830 Hz

1 cm = 10°

INDEX

4	5	6
1	2	3

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

Nov 14/78

UTAH MINES LTD.

EXPLORATION DEPARTMENT

VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

SHOOTBACK ELECTROMAGNETIC SURVEY

Work by J.Vyselaar	Date: OCT 78	NTS Ref 105-H-11
Drawn by C.D.	Revised	

200 0 200 400 600

SCALE IN METRES

L 32 W | L 28 W | L 24 W | L 20 W | L 16 W | L 12 W | L 8 W | L 4 W | L 00 | L 4 E | L 8 E | L 12 E | L 16 E | L 20 E | L 24 E | L 28 E | L 32 E | L 36 E | L 40 E | L 44 E

BASELINE-00N

BASELINE 3+10 S

KULAN CREEK

LEGEND

- 3+00 N
- Baseline
- Creek
- Swamp

VERTICAL SCALE : 1cm = 20%

COIL SEPARATION: 100 meters

IN PHASE

QUADRATURE

Plate 47

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY

MAXI ZONE

444 HZ
100 METER COIL SEPARATION

Work by: J. Vuyslsteke	Date: Oct. 1979	NTS Ref. 105-H-11
Drawn by: G. HOLLAND	Revised	

SCALE IN METRES 50 0 50 100 150

L 32 W
L 28 W
L 24 W
L 20 W
L 16 W
L 12 W
L 8 W
L 4 W
L 00
L 4 E
L 8 E
L 12 E
L 16 E
L 20 E
L 24 E
L 28 E
L 32 E
L 36 E
L 40 E
L 44 E

BASELINE 00 N
BASELINE 3+10 S
KULAN CREEK

LEGEND

- 3+00 N
- Baseline
- Creek
- Swamp

VERTICAL SCALE: 1 cm = 20%

COIL SEPARATION : 150 meters

IN PHASE

QUADRATURE

Plate 48

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY

MAXI ZONE

444 HZ
150 METER COIL SEPARATION

Work by: J.Vigselaar	Date: Oct. 1978	NTS Ref. 105-H-11
Drawn by: G.HOLLAND	Revised	

50 0 50 100 150
SCALE IN METRES

L 32 W | L 28 W | L 24 W | L 20 W | L 16 W | L 12 W | L 8 W | L 4 W | L 00 | L 4 E | L 8 E | L 12 E | L 16 E | L 20 E | L 24 E | L 28 E | L 32 E | L 36 E | L 40 E | L 44 E

BASELINE-CON 1696 1697 1698 1699 1700 1691 1692 1694

BASELINE 3+10 S

KULAN CREEK

LEGEND

- 3+00 N
- Baseline
- Creek
- Swamp

VERTICAL SCALE: 1 cm = 20%

COIL SEPARATION: 100 meters

- IN PHASE
- QUADRATURE

Plate 49

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

HORIZONTAL LOOP EM SURVEY

MAXI ZONE

1777 HZ
100 METER COIL SEPARATION

Work by: J.Vuscisac	Date: OCT. 1979	NTS Ref. 105-H-11
Drawn by: G.HOLLAND	Revised	

50 0 50 100 150
SCALE IN METRES

L 32 W | L 28 W | L 24 W | L 20 W | L 16 W | L 12 W | L 8 W | L 4 W | L 00 | L 4 E | L 8 E | L 12 E | L 16 E | L 20 E | L 24 E | L 28 E | L 32 E | L 36 E | L 40 E | L 44 E

BASELINE-00N

BASELINE 3+10 S

KULAN CREEK

LEGEND

3+00 N

Baseline

Creek

Swamp

VERTICAL SCALE: 1 cm = 20%

COIL SEPARATION: 150 meters

IN PHASE

QUADRATURE

Plate 50

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT, Y.T.

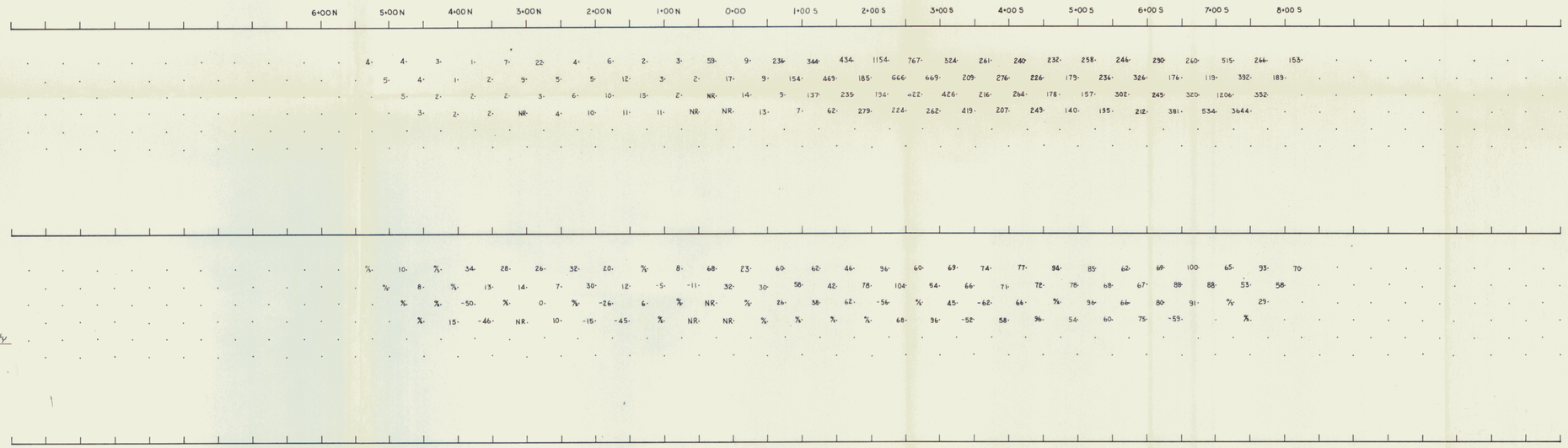
HORIZONTAL LOOP EM SURVEY

MAXI ZONE

1777 HZ
150 METER COIL SEPARATION

Work by: J. Vyselaar	Date: Oct. 1978	NTS Ref.	105-H-11
Drawn by: G. HOLLAND	Revised		

50 0 50 100 150
SCALE IN METRES



LINE 4 W

ELECTRODE CONFIGURATION

PLOTTING POINT

a = ——— = 50

SURFACE PROJECTION OF ANOMALOUS ZONES

definite

probable

possible

NOTE :

Contours at Logarithmic Intervals
1-1.5-2-3-5-7.5-10

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
Nov. 14/78

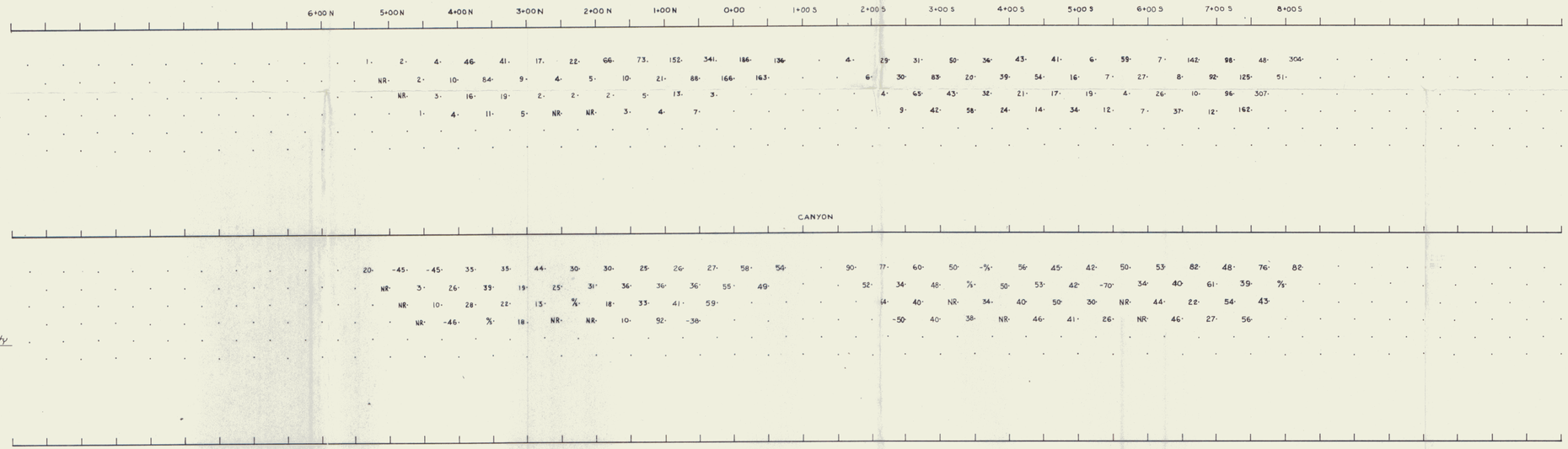
PLATE 51

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI LAKE

INDUCED POLARIZATION SURVEY

Work by: J. Vyselaar	Date: OCT 78	NTS Ref 105 H-11
Drawn by:	Revised	



LINE 8E

ELECTRODE CONFIGURATION

PLOTTING POINT

a = ——— = 50

SURFACE PROJECTION OF ANOMALOUS ZONES

definite

probable

possible

NOTE :
Contours at Logarithmic Intervals
1-1.5-2-3-5-7.5-10

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

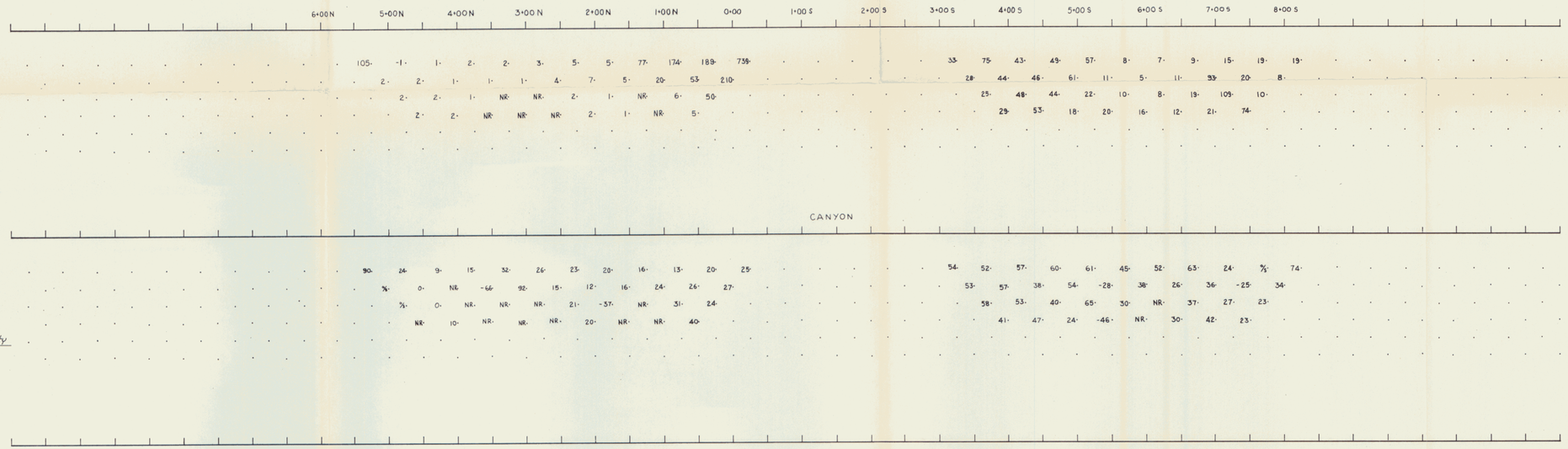
PLATE 52

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI LAKE

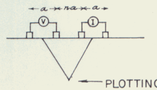
INDUCED POLARIZATION SURVEY

Work by J. Vyselaar	Date: Oct 78	NTS Ref. 105 H-11
Drawn by:	Revised	



LINE 16 E

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

definite
probable
possible

NOTE :
Contours at Logarithmic Intervals
1-1.5-2-3-5-7.5-10

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

Nov 14/78

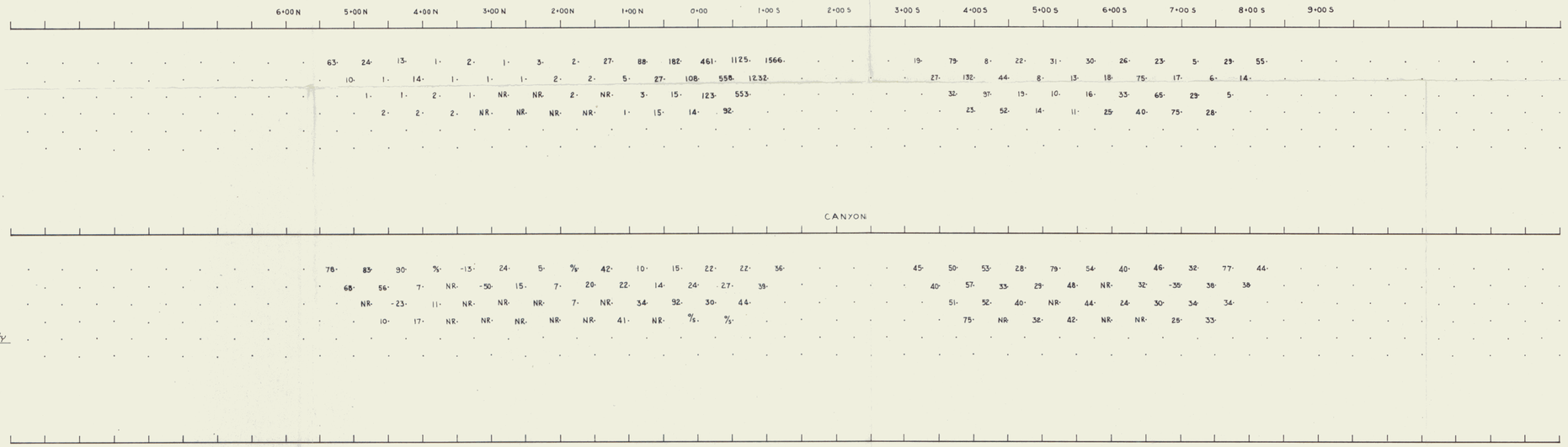
PLATE 53

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI LAKE

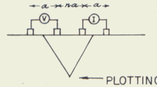
INDUCED POLARIZATION SURVEY

Work by J. Vyselaar	Date: Oct. 78	NTS Ref 105 H-11
Drawn by:	Revised:	



LINE 20 E

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

definite
probable
possible

NOTE :
Contours of Logarithmic Intervals
1-1.5-2-3-5-7.5-10

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SOLOMON
Nov 14/78

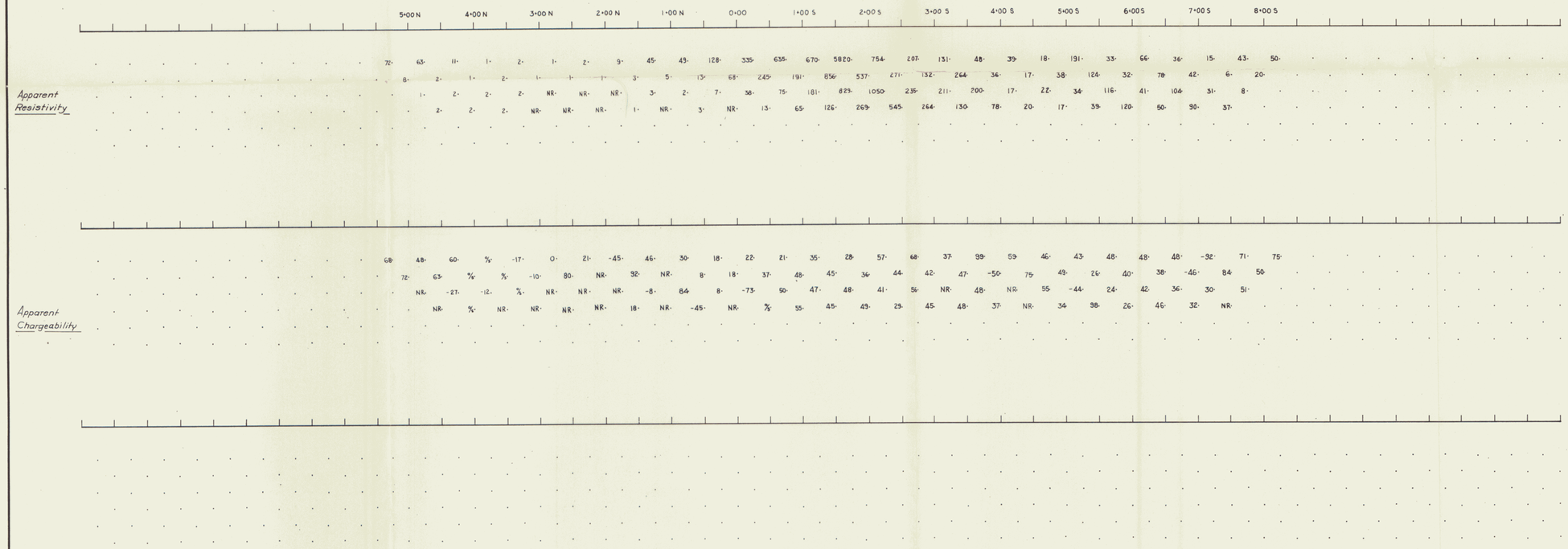
PLATE 54

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI LAKE

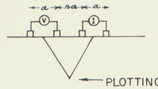
INDUCED POLARIZATION SURVEY

Work by J. Vyselaar	Date: Oct. 78	NTS Ref 105 H-11
Drawn by	Revised	



LINE 24 E

ELECTRODE CONFIGURATION



a = = 50

SURFACE PROJECTION OF ANOMALOUS ZONES

definite
probable
possible

NOTE :
Contours at Logarithmic Intervals
1-1.5-2-3-5-7.5-10

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

A. Schmidt
Nov. 14/78

PLATE 55

UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI LAKE

INDUCED POLARIZATION SURVEY

Work by J. Vyselaar	Date: Oct 78	NTS Ref 105 H-11
Drawn by	Revised	



PLATE 56

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT
A. Schmidt
Nov. 14/78

MAXI LAKE

Pb/Zn Prospect, Y.T.

Bouguer Gravity Profiles

100 0 100 200

scale in meters

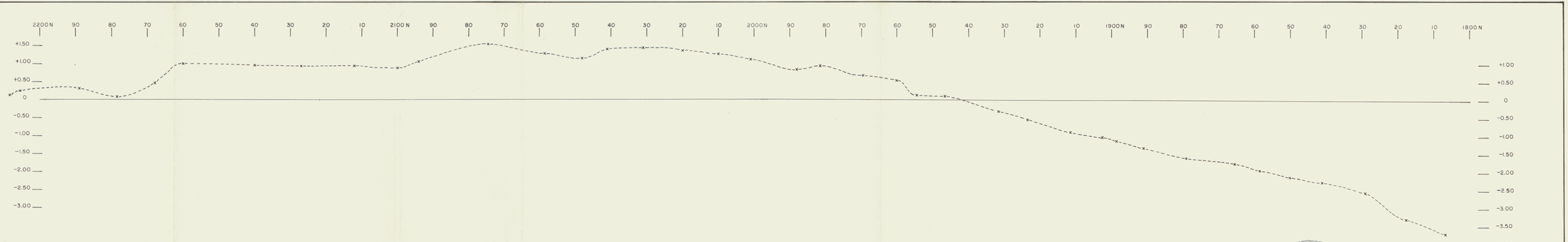


PLATE 57

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHNICK

Nov 14/78

MAXI LAKE Pb/Zn PROSPECT

BOUGUER GRAVITY PROFILE

BASELINE 2300E

100 0 100 200

scale in meters