Indian and Northern Affairs | Affaires indiennes et du Nord

P. O. Box 269
Watson Lake, Yukon
YOA 1CO

21 September, 1979

Your file *Votre référence*

Our file *Notre référence*

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining Recorder

RESTRICTED
REGISTERED MAIL

Enclosed for your information are Diamond Drill Logs submitted for assessment on the JM claims by Utah Mines Ltd. One hole was drilled to a depth of 152.4 metres at a total cost of $10,541.75. Core is presently being stored at the camp on Maxi Lake. Drilling was done on JM 8 located on claim map 105-H-11.

Yours truly,

V. W. Johanson
Mining Recorder
Watson Lake Mining District

PLM
Encl.
cc: Regional Geologist

09/182

ASSESSMENT WORK JM 1-68 CLAIMS

This sequence of claims is physically split into two areas:

A: JM 1-20 - the assessment for this set of claims is derived from one drillhole, DDH-XC-9, situated on the JM 8 claim. The drill, a 38, owned by Arctic Diamond Drilling from Whitehorse, Y.T., drilled a 152.4 metre hole, at a cost of $10,541.75, from June 12 to June 14, 1979. The core is currently being stored at the camp-site at the southern end of Maxi Lake.

We are claiming one and one-half years of assessment for these 20 claims, pushing the renewal date to February 7, 1981.

B: JM 21-68 - the assessment for this set of claims is derived from a series of cat trenches put on this group. The cat, a D-7E, owned by Sovereign Metals Corporation, dug a total of 17 trenches at a cost to us of $7,004.60. Enclosed is a breakdown of the cost per claim, as calculated by the amount of percentage of earth moved on that claim.

For both of these two areas I have enclosed the bill that was submitted to us by the contractors for their work done. The receipts cover the assessment costs.

GLH:cn

Encl.

091182

UTAH MINES LTD.

EXPLORATION DEPARTMENT

SUITE 1600, 1050 W. PENDER STREET • VANCOUVER, B.C., CANADA V6E 3S7

(604) 683-6921

September 18, 1979

Mr. Vern Johanson,
Mining Recorder,
Watson Lake Mining Division,
Yukon Territory

Dear Sir:

Enclosed are two copies of a report covering assessment work, claimed on the Maxi property in 1979. I hope they meet your requirements.

Thank you for your help and co-operation this past year.

Yours truly,

G.L. Holland,
Geologist

GLH:cn

Encl.

091182

UTAH MINES LTD.

EXPLORATION DEPARTMENT

SUITE 1600, 1050 W. PENDER STREET • VANCOUVER, B.C., CANADA V6E 3S7

(604) 683-6921

September 19, 1979

Mr. Vern Johanson,
Mining Recorder,
Watson Lake Mining Division,
Watson Lake,
Yukon Territory

Dear Sir:

I believe this cheque for $415.00 should cover all costs involved. I have figured it out as follows:

Grouping costs 5 X $5.00	= $ 25.00
Work Certificates	
20 claims X 1 ½ years X $5.00	= $150.00
48 claims X 1 year X $5.00	= $240.00
	$415.00

Thanks once again for all your help and co-operation.

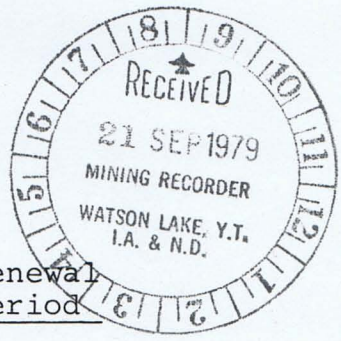
Yours truly,

G.L. Holland,
Geologist

GLH:cn

Encl.

091182



MAXI CLAIM SUMMARY

Claim Name	Record Number	Recording Date	Renewal Period
JM 1	YA35535	Sept. 21, 1978	Feb. 7, 1981
2	35536	"	"
3	35537	"	"
4	35538	"	"
5	35539	"	"
6	35540	"	"
7	35541	"	"
8	35542	"	"
9	35527	Sept. 19, 1978	"
10	35528	"	"
11	35529	"	"
12	35530	"	"
13	35058	Sept. 8, 1978	"
14	35059	"	"
15	35060	"	"
16	35061	"	"
17	35062	"	"
18	35063	"	"
19	35064	"	"
20	35065	"	"
21	35851	Feb. 7, 1979	"
22	35852	"	"
23	35853	"	"
24	35854	"	"
25	35855	"	"
26	35856	"	"
27	35857	"	"
28	35858	"	"
29	35859	"	"
30	35860	"	"
31	35861	"	"
32	35862	"	"
33	35863	"	"
34	35864	"	"
35	35865	"	"
36	35866	"	"
37	35867	"	"
38	35868	"	"
39	35869	"	"
40	35870	"	"
41	35871	"	"
42	35872	"	"
43	35873	"	"
44	35874	"	"
JM45	YA35875	"	"

091182

Claim Name	Record Number	Recording Date	Renewal Period
JM 46	YA35876	Feb. 7, 1979	Feb. 7, 1981
47	35877	"	"
48	35878	"	"
49	35879	"	"
50	35880	"	"
51	35881	"	"
52	35882	"	"
53	35883	"	"
54	35884	"	"
55	35885	"	"
56	35886	"	"
57	35887	"	"
58	35888	"	"
59	35889	"	"
60	35890	"	"
61	35891	"	"
62	35892	"	"
63	35893	"	"
64	35894	"	"
65	35895	"	"
66	35896	"	"
67	35897	"	"
JM 68	YA35898	"	"

091182

TRENCHING SIZE BREAKDOWN

Trench No.	Claim	Length (metres)	Width (metres)	Length (metres)
T 1	JM 30	60	2.2	2.2
T 2	JM 30	30	2.2	2.1
T 3	JM 30	34	2.2	1.7
T 4	JM 30	35	2.2	2.3
T 5	JM 30	30	2.2	1.8
T 6	JM 30	50	2.2	2.6
T 7	JM 29	44	2.2	4.1
T 8	JM 29	15	2.2	1.0
T 9	JM 29	30	2.2	2.0
T 10	JM 29	32	2.2	3.0
T 11	JM 29	31	2.2	2.2
T 12	JM 29	43	2.2	2.1
T 13	JM 29	41	2.2	3.1
T 14	JM 29	40	2.2	3.0
T 15	JM 31	44	2.2	3.4
T 16	JM 31	50	2.2	2.5
T 17	JM 31	55	2.2	3.0

TRENCHING COST BREAKDOWN

TOTAL TRENCHING COSTS - $7,004.60

JM 30	JM 29	JM 31	
$1130m^3$	$2050m^3$	$961m^3$	amount earth removed
27%	49%	23%	% of earth removed
X 7004.60/100	X 7004.60/100	X 7004.60/100	
$1891.00	$3432.00	$1610.00	total expense per claim


21-68 claims
due date - Feb 7, 1981
049182
1500 0 1500 3000 4500 6000
Scale - feet
THOMAS
MAXI
JM
PARK
BARK
RECEIVED
21 SEP 1979
MINING RECORDER
WATSON LAKE, Y.T.
I.A. & N.D.

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon YIA 2VI (403) 667-6434

	B/Fwd.	$21,870.00
Hole # XC8 - 50 x NQ		
Moving 85 hours [illegible]		
91-Man-hours @ $17.75 per hour	$1615.25	
Overburden		
0-26= 26 ft. @ $18.50 per foot	481.00	
Core Drilling		
26-499 = 473 ft. @ $18.50 per ft.	8750.50	-10,846.75
Hole #XC9-60'xNQ		
Moving		
71 Man hours @ $17.75 per hour	1260.25	
Overburden		
0-20=20 ft @ $18.50 per foot	370.00	
Core Drilling		
20-500 = 480 feet @ $18.50 per ft.	8880.00	
Use of Mud		
1 Man hour @ $17.75 per hour	$17.75	
½ Machine hr @ 9.00 per hour	4.50	
1 Bag of Mud @ 10.00	~~10.00~~ No	
1 Bag Quick Troll @ 9.25	9.25	41.50
		10,551.75
Hole # XCLO		
Moving		
42 Man hours @ $ 17.75 per hr		745.50
		~~44,014.00~~
		43,297.00
Less :		
7 Drums Fuel @ .97 per Gallon purchased from UTAH MINES,		< 305.55 >
		~~43,708.45~~
		43,591.95

EQUIPMENT left down hole # XC7

1 HW Casing Shoe # 14862	324.25	
1 NW Casing Shoe # 13134	243.50	
3 only 5ft length HW Casing	195.15	
5 only 2ft lengths HW Casing	168.00	
2 only 10 ft lengths NW "	149.10	
3 only 5ft lengts NW Casing	128.70	
3 only 2ft length NW Casing	70.35	
4 only 10ft Length NW CAsing	242.20	
1 only NQ Box to NW Pin sub	51.95	
	1573.20	
Plus 10 %	157.32	1,730.52
		~~45,438.97~~
		45,321.47

HOLE NO.: D.D.H -XC-9
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: 21910 N. 21500 E.
INCLINATION: -60°
BEARING: 200°

PROJECT: MAXI
DATE STARTED: JUNE 12, 1979
DATE FINISHED: JUNE 14, 1979
TOTAL DEPTH: 152.4

REF. TO CLAIM CORNER: JM 8
SCALE: 1:100
LOGGED BY: G. HOLLAND

ALTERATION: chlorite | carbonate | qtz viens | qtz-c viens — FRACTURING — MINERAL — GEOLOGY

COMMENTS: ∴ pyrite

AVE CORE REC'Y / HOLE: 83.4 %

DESCRIPTIVE GEOLOGY

0 - 6.40 OVERBURDEN

6.40

BLACK LIMY GRAPHITIC SHALES
interbedded limy and non-limy shale, medium to dark grey color, moderately graphitic, at top of hole metamorphism is of phyllitic grade, strongly fractured with alot of quartz-carbonate viens and vienlets, carbonate content is high, moderate chlorite as bands and in fractures. Disseminated, banded and fracturing filling pyrite present. Quite abundant in alot of sections

6.40 - 130 - about 75% limy - 25% non-limy shale

Fracturing: strong to very strong

Mineral: pyrite

Geology notes:
- tiny shear zone
- fracture zone
- esting augen structures in foliation
- augen structures in the foliation
- 1cm band of massive py in qtz-carb vien
- f.g py stringer bands

Core size: NQ wireline

% Sulphides	Drilling Interval	% Core Recovered	Sample Interval	Estimated Zn (Pb)
<1		83		<0.2
	8.53	96		
<1	10.21	97		<0.2
	11.89	97	13	
1	13.72	85	14	<0.2
	14.63	85		

Section: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

HOLE NO.: XC-9 | PROJECT: MAXI | PAGE NO.: 2 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 | qtz viens | qtz-c viens

FRACTURING: strong | very intense

MINERAL: Pyrite

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

BLACK LIMY GRAPHITIC SHALES cont

augen structures in foliation

15.2 - 22.0 - About 90% non-limy rock, 10% limy, very weakly laminated, no laminated chlorite but alot of fractures contain a yellowish gypsum..

tiny augen structures.

17.8 - 22.0 - Alot of small stringer pyrite bands as well as the heavily disseminated pyrite.

21.40 - [illegible] - Shear zone that contains alot of quartz-carbonate viens and a large feldspar diorite porphyry dyke that has been sheared and contains alot of gypsum. Highly graphitic. It is a weak

23.32 - 26.2 - FELDSPAR DIORITE PORPHYRY

highly sheared, alot of gypsum. Alot of .5mm disseminated pyrite crystals.
Large feldspar crystals in a fine-grained, light green matrix.

gypsum rich feldspar porphyry diorite dyke

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
15		15.29	85				
16							
17	1	16.76	109				<0.2
18		18.14	100				
19							
20	3	20.12	79				<0.2
21		21.39	58				
22					22		
23	2	23.82	42	NQ wireline	23		<0.2
24							
25			59				
26	2	26.21					<0.2
27		26.82	60				
28		28.00	25				
29	1	29.11	99				<0.2
30			34				

HOLE NO.: XC-9 | PROJECT: MAX1 | PAGE NO.: 3 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

DESCRIPTIVE GEOLOGY

BLACK LIMY GRAPHITIC SHALE cont

Shear zone cont

SECTION	ALTERATION: chlorite	carbonate	qtz veins	qtz-c veins	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
30					very intense	Pyrite			30.3	34	NQ wire line			
31									31.10	89		31		
32								<1	31.70	38		32		<0.2
33									32.61	89				
34														
35								<1		14				<0.2
36									35.97					
37									36.88	05				
38								<1	37.19	32				<0.2
39									37.80	30				
40									38.86	52				
41								<1	39.62	46				<0.2
42									41.61	59		42		
43									42.98	36		43		
44								<1	44.65	15				<0.2
45														

HOLE NO.: XC-9 | PROJECT: MAXI | PAGE NO.: 4 OF 11

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	carbonate	qtz veins	qtz-C veins	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
45								DESCRIPTIVE GEOLOGY								
46								BLACK LIMY GRAPHITIC SHALE cont			45.87	54				
47								shear zone cont		<1		56				<0.2
48								45.9 - shear zone is alot weaker, from here to the dyke, than before very little gouge but very intensely fractured			47.40	90				
49								py mass in qtz			48.31					
50								48.6 - 51.2 - FELDSPAR DIORITE PORPHYRY		2		103				<0.2
51								light green color, feldspar and biotite phenocrysts in a fine grained crystalline matrix. moderate fracturing. moderate phenocrysts of pyrite.			51.21	34				
52								51.2 - shear zone is again only highly fractured not gouged.			51.36					
53								small section of diorite dyke								
54								shear zone cont.		<1		95		53		<0.2
55											54.25			54		
56											54.56	97				
57								very vuggy qtz vein		<1		82				<0.2
58								57.7 - 60.8 - FELDSPAR DIORITE PORPHYRY			56.08	10				
59								same as above			57.0					
60										3		97				<0.2

FRACTURING: very intense / moderate / very intense / moderate

MINERAL: pyrite

NQ wireline

HOLE NO.: XC-9 | PROJECT: MAXI | PAGE NO.: 5 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 | qtz veins | qtz-c vein | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
60		60.2					
61							
62	2		98				<0.2
63		63.4			63		
64					64		
65	5		102				<0.2
66		66.29					
67			94				
68	6	67.67		NO wireline			<0.2
69			92				
70		69.19					
71	3	70.71	99				<0.2
72			109				
73		72.54			73		
74	2		93		74		<0.2
75		74.68					

- diorite dyke
- shear zone

BLACK LIMY GRAPHITIC SHALES cont

- 90% non limy beds
- pyrite content is very high
- 5mm massive py band
- small scale folding
- alot of augen structures in the foliation
- highly fractured
- 67.60 - Rock has become predominately limy - 100% limy
- 1 cm py band & large mass of py
- change from shale to silty limestone
- highly fractured rock
- 73.2 - Rock is largely non limy - 80%.
- augen structures in foliation

70.7-72.2 SILTY LIMESTONE

medium grey color, massive, very limy, cleavage is still seen, separated from the shale by a folded zone, grain size increased, fine-grained pyrite in the cleavage and disseminated

strong to very strong pyrite

HOLE NO.: XC-9 | 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:

ALTERATION: chlorite; carbonate; qtz veins; qtz-c veins | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
75							
76		75.59	95				
77	1	76.81	78				<0.2
78		77.72	88				
79			100				
80	1	79.55					<0.2
81		80.47	98				
82			87				
83	<1	82.75					<0.2
84			98				
85		84.43		NQ wireline			
86	4	86.26	109				<0.2
87					87		
88			100		88		
89	15	89.31					<0.2
90			93				

BLACK LIMY GRAPHITIC SHALE cont.

77.72 - 81.60 - weakly sheared rock that is highly fractured and contains alot of quartz and carbonate. Chlorite and pyrite contents are moderate.

78.80 - small mass of yellow-brown sphalerite in a quartz vienlet

79.40 - small mass of yellow-brown sphalerite in a quartz vienlet

80.5 - 84.2 - SILTY LIMESTONE

medium grey color, very limy, fine, silty grain size, cleavage present but not as prominant as in the slicles.

84.2 - BLACK LIMY GRAPHITIC SHALE cont

pyrite is found as bands, smears in highly fractured zones, and disseminated

FRACTURING: strong; intense; strong

MINERAL: pyrite - minor sphalerite

GEOLOGY: 1cm py band; 5mm py band; minor yell-brn sph; minor yell-brn sph.; 1cm band of pyrite; alot of augen structures in the foliation; augen structures in foliation; 2cm bands of massive py; about 15% py as bands

HOLE NO.: XC-9 | PROJECT: MAXI | 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:

SECTION	ALTERATION: Chlorite	ALTERATION: Carbonate	ALTERATION: qtz viens	ALTERATION: qtz-c viens	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
90								BLACK GRAPHITIC LIMY SHALE cont								
91												93				
92										4	91.74					<0.2
93											92.81	89				
94								- periodic silty sections found, are roughly 10cm sections								
95										2		94				<0.2
96											96.01					
97					very strong	Pyrite		96.0 - Alot of 2cm wide quartz viens that contain pyrite. The viens are elliptical and discontinuous; diss py in vien		6	97.72	97	NQ wire line		97	<0.2
98															98	
99								gouged zone				99				
100											99.98					
101										1						<0.2
102								highly fractured zone				100				
103					intense						103.02					
104								104.70 - Shear zone - alot of quartz-carbonate and graphite		1		95			104	<0.2
105								shear zone							105	

HOLE NO.: XC-9 | 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: chlorite | carbonate | qtz veins | qtz-c veins

FRACTURING: strong to very strong

MINERAL: pyrite

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
105		105.61	95	NQ wireline			
106	<1						<0.2
107			92				
108		108.84					
109	<1		71				<0.2
110		110.64 / 110.80	25				
111		111.56	53				
112	<1	112.47	55				<0.2
113		113.89	49				
114			116			114	
115	2	114.30	76			115	<0.2
116		115.82	49				
117		116.74					
118	<1	118.11	83				<0.2
119		119.18	92				
120		119.80	94				

BLACK GRAPHITIC LIMY SHALE cont.

Shear zone - alot of graphite, little gouge

→ weakly sheared rock very little gouge alot of quartz in fractures.

→ 8mm py band in qtz.

113.45 - End of shear zone

→ 2cm py band

→ 3cm py band right at contact.

116.30 - WAVY-BANDED LIMESTONE

very limy, moderately graphitic, light to medium grey color, little or no banding, foliation prominant Grain size is somewhere between shale & silt size moderate to highly fractured,

banding increases with depth

HOLE NO.: XC-9 | PROJECT: MAX1 | PAGE NO.: 9 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 | qtz veins | qtz-c veins

FRACTURING: strong to very strong

MINERAL: pyrite

GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

'WAVY BANDED' LIMESTONE cont

- small augen structures
- minor folding
- some small black limy beds in with the 1st
- augen structures
- 2cm py band
- wavy bands
- shear zone

126.5 - 130.5 large augen structures parallel to the foliation, which parallels the drillhole angle

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
120							
121			91				
	<1	121.31					<0.2
122			108		122		
		122.32					
123					123		
			112				
124		123.7					
							<0.2
125	<1		98				
126				NQ wireline			
		126.80					
127							
	<1						<0.2
128			104				
129							
		130.0					
130							
	<1		45				<0.2
131		131.83					
					132		
132			101				
		132.59					
133					133		
	<1		83				<0.2
134							
135							

HOLE NO.: XC-9 | PROJECT: MAX I | 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:

SECTION	ALTERATION: chlorite	ALTERATION: carbonate	ALTERATION: qtz veins	ALTERATION: qtz-c. veins	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
135								'WAVY' BANDED' LIMESTONE cont.			135.3					
136												75				
137								→ shear zone		<1	136.6	13				<0.2
138											137.20	81				
139											138.3					
140								→ highly fractured zone		<1		107				<0.2
141								141.6 - 142.67 - FELDSPAR DIORITE PORPHYRY								
142								highly fractured, contains alot of shale and limestone clasts in it. FELDSPAR phenocrysts in a light green, fine grained, crystalline textured matrix. Alot of chlorite is found in the quartz viens within the dyke minor pyrite and sericite			141.43					
143								→ diorite dyke.		<1		86				<0.2
144								→ augen structures.			144.17			144		
145								144.0 - BLACK LIMY GRAPHITIC SHALES contains alot of limestone interbeds at the top, is intensely fractured till the end of the hole, highly graphitic					NQ wire line	145		
146								→ start of highly fractured zone		<1		103				<0.2
147								only slightly limy in sections			147.22					
148																
149										<1		109				<0.2
150																

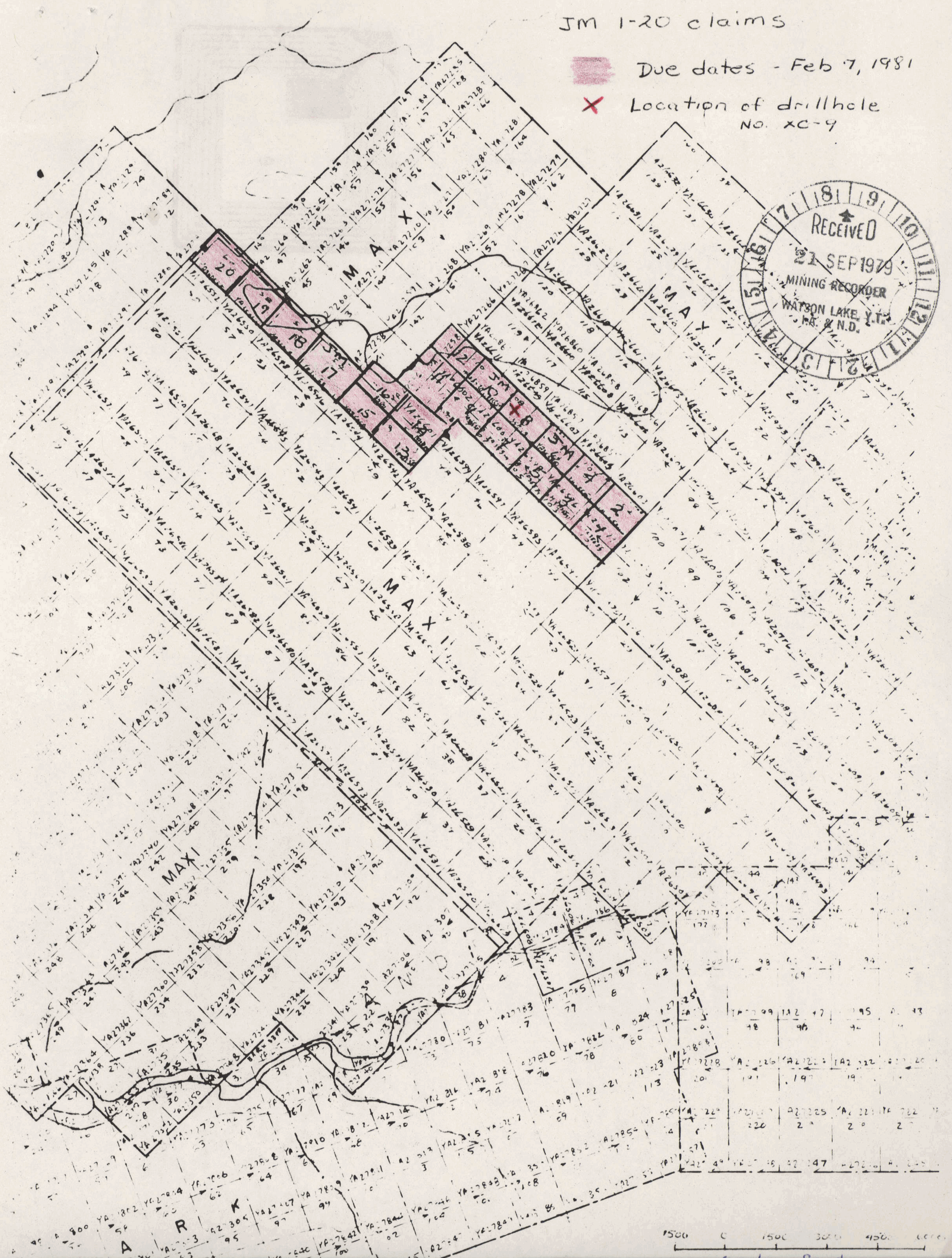
HOLE NO.: XC-9 | PROJECT: MAX 1 | PAGE NO.: 11 OF 11

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

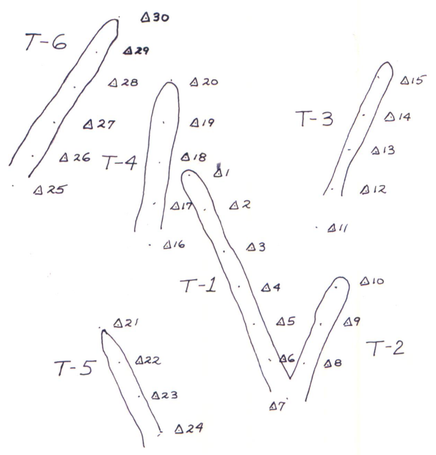
COORDINATES: N. E. | DATE FINISHED: | SCALE:

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

SECTION	ALTERATION: chlorite	ALTERATION: carbonate	ALTERATION: qtz veins	ALTERATION: qtz-c vein	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Zn (Pb)
150								BLACK LIMY GRAPHITIC SHALES cont.			150.11					
151								5mm py band		<1		94	N.Q. wireline	151		<0.2
152					intense	pyrite		diorite dyke						152		
								152.4 END OF HOLE			152.4					
153																
154																
155																
156																
157																

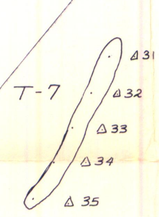


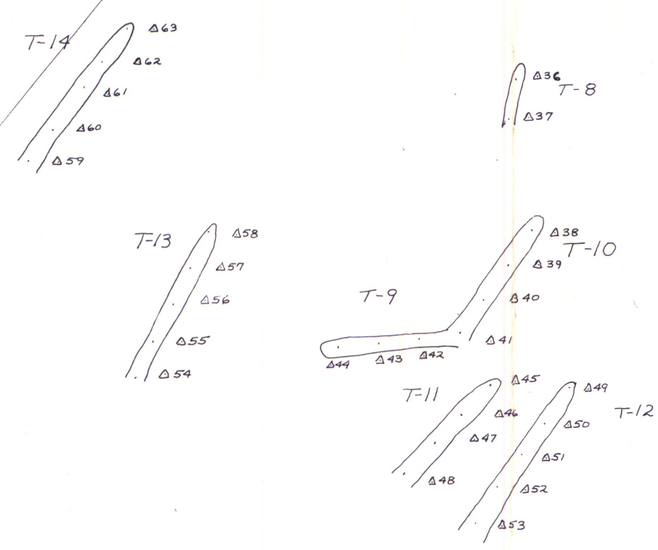
JM 1-20 claims
Due dates - Feb 7, 1981
Location of drillhole
No. XC-9
RECEIVED
21 SEP 1979
MINING RECORDER
WATSON LAKE, Y.T.
MAXI
MAXI
MAXI
MAXI



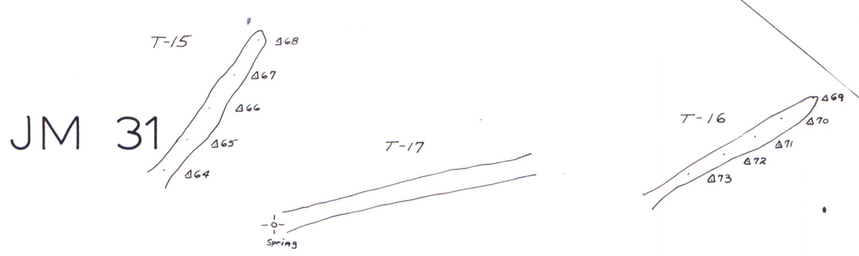
JM 30

JM 27





JM 29



JM 31

Symbols:

Δ Survey stations

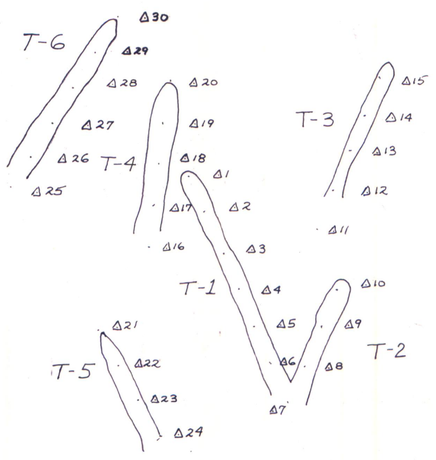
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

MAXI Pb/Zn PROSPECT

TRENCH LOCATIONS
JM CLAIMS

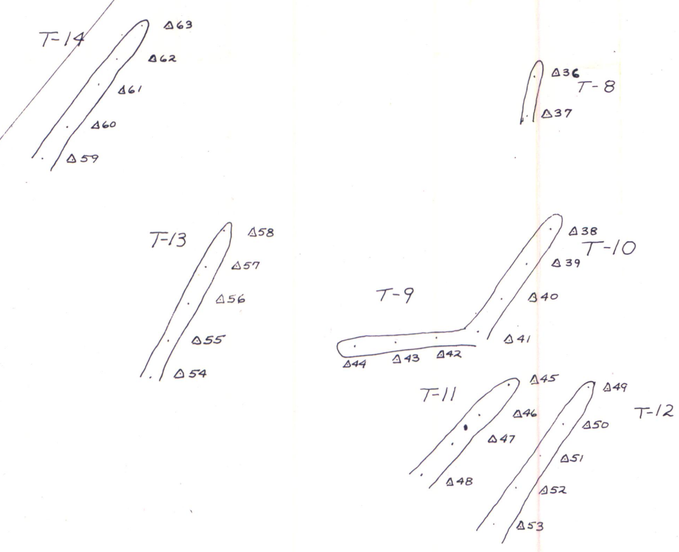
Work by: G.A.C. & G.L.H.	Date: Sept. 79	NTS Ref. 105N-11
Drawn by: G.L.H.	Revised:	

10 0 10 20 30
SCALE IN METRES

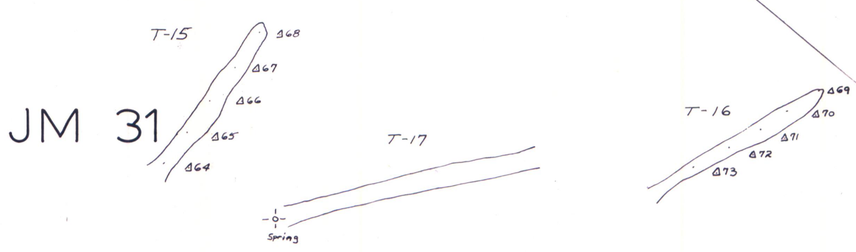


JM 30

JM 27



JM 29



JM 31

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MAXI Pb/Zn PROSPECT

TRENCH LOCATIONS
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Work by: G.A.C. & G.L.H.	Date: Sept. 79	NTS Ref. 105N-11
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SCALE IN METRES