

REPORT ON THE GEOCHEMISTRY OF THE OH MINERAL CLAIMS

Claim
OH #1 - #8 inclusive
OH #41 - #42 inclusive
OH #49 - #54 inclusive

Record No.
13589K - 13596K inclusive
13629K - 13630K inclusive
13637K - 13642 inclusive

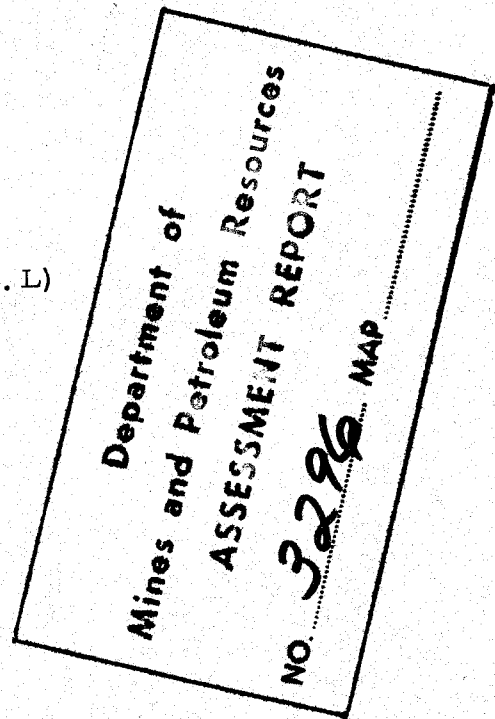
104 J / 4E

ATLIN MINING DIVISION
BRITISH COLUMBIA

FOR
SKYLINE EXPLORATIONS LTD (N. P. L.)

BY

R. Darney, Geologist
G. Gutrath, P. Eng



ATLED EXPLORATION MANAGEMENT LTD.
VANCOUVER, B. C.

3296

SEPTEMBER 10, 1971

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#2 FIG. I - 1" = 400', Geochemical Soil Sampling Survey,
OH Mineral Claims, Values Map.

REPORT ON THE GEOCHEMISTRY OF THE OH MINERAL CLAIMS

FOR

SKYLINE EXPLORATION LTD. (N. P. L.)

INTRODUCTION

During the period July 8, 1971 to July 21, 1971 a two-man crew conducted a reconnaissance geochemical soil sampling program within the limits of the OH mineral claims.

A total 293 soil samples were collected during this period.

LOCATION AND ACCESS

The OH mineral claims are part of a larger area referred to as the GO group. They are located just north and west of Hatchau Lake at the headwaters of the Hackett River at approximately, Lat. $58^{\circ}12'N$ and Long. $131^{\circ}38'W$, N. T. S. 104 - F - 4.

The village of Telegraph Creek lies 26 miles to the southeast and the settlement of Dease Lake is approximately 62 miles to the east northeast. Dease Lake is serviced by a scheduled flight from Vancouver by Harrison Airways.

Property access is by helicopter from either Dease Lake or Telegraph Creek or by float-equipped aircraft to Hatchau Lake. General access is possible along the old telegraph trail from Telegraph Creek.

Supplies are available at either Dease Lake or Telegraph Creek.

HISTORY

The main exploration activity in the area has centered around a copper showing, originally discovered in 1934, at Copper Creek approximately two miles to the northwest. Companies active in the area in the intervening years have included Kennecott, Highland Bell, Amax (then Southwest Potash) and Newmont. In 1964 Newmont outlined a strong aeromagnetic high north of, and including, the northern part of the OH group.

continued . . .

HISTORY (cont.)

Subsequent prospecting by Newmont and later by Skyline Exploration Ltd. in 1969, located some localized showings of chalcopyrite and malachite. The OH group was staked by Skyline in 1969.

GENERAL GEOLOGY

The OH mineral claims are underlain by a thick sequence of Upper Triassic andesites and tuffs which have been intruded by a later dioritic stock of probable Cretaceous age. This stock, not reported by Geological Survey of Canada, was outlined during an aeromagnetic survey by Newmont in 1964.

METHOD OF SAMPLING AND ANALYSIS

A chain and compass grid was established on the south-central portion of the claim group. Crosslines were run north-south at 800-foot spacing and geochemical soil samples were collected at 200-foot intervals along these lines. Picket lines were cut east-west to provide control for the crosslines. A total of 43,000 feet of line was established.

All samples were shipped to Vancouver Geochemical Laboratories Ltd., where they were sifted to - 80 mesh and digested by a Hot HClO₄ - HNO₃ procedure. Analysis for total copper and molybdenum was made on a Techtron AA4 and AA5 atomic absorption unit.

The results appear in Vancouver Geochemical Laboratories Ltd, Report No. 71-81 - 004 dated August 2, 1971.

DISCUSSION OF RESULTS

All results were plotted on a plan map at 1" = 400' scale. (FIG I - Geochemical Soil Sampling Survey - Values Map).

The copper results ranged from 26 ppm. to 1080 ppm. Due to a high background in copper obtained during reconnaissance sampling in the surrounding areas, 200 ppm. was chosen as a threshold value. The anomalous areas were outlined on FIG I by a 300 ppm. contour and higher order anomalies shown by a 500 ppm. contour.

Similarly, the interesting areas of molybdenum geochemistry were outlined by a four ppm. contour with higher order anomalies shown by the eight ppm. contour.

continued . . .

DISCUSSION OF RESULTS (cont.)

Several locations on the grid show results substantially above background. These areas are widespread but occur mainly on Lines OE to 8E, 24N to 50N and as three subparallel features between Lines 112E and 120E at 2N, 4N and approximately 18N.

A narrow zone of malachite - chalcopyrite mineralization near a diorite - volcanic andesite contact (L108E, 22N) was discovered during the sampling program. However, no mineralization was seen in the anomalous area in the western portion of the grid.

CONCLUSIONS AND RECOMMENDATIONS

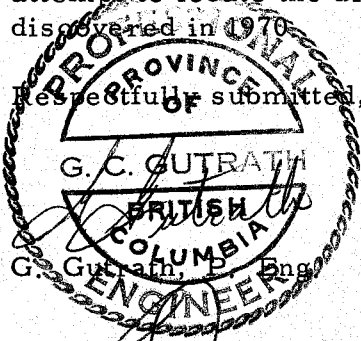
It is believed that the narrow mineralized contact zone at 108E, 22N is responsible for the anomalous area at 112E - 120E, 18N. The two parallel zones on the same lines have not been explained.

A anomalous area on Line 72E O-6N is located on a creek outwash and is expected to be an expression of the high reconnaissance copper values obtained in 1970, upstream and off the grid area.

The interesting copper area with coincident molybdenum on the west portion of the grid is possibly an extension of the anomalous zones found on the adjacent Copper Creek grid.

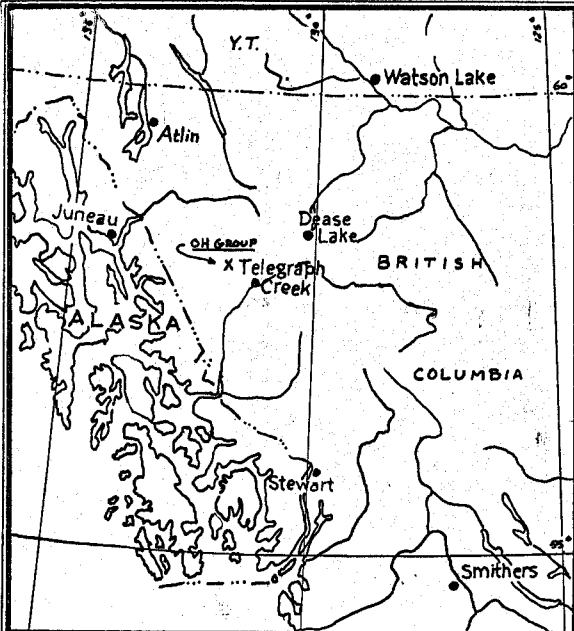
Further prospecting and preliminary geologic mapping should be carried out to substantiate the above assumptions. Lines 80E to 104E should be extended approximately 4000 feet north in an attempt to locate the area of anomalous reconnaissance geochemical discovered in 1970.

Respectfully submitted,



R. Darney, Geologist

ATLED EXPLORATION MANAGEMENT LTD.



SKYLINE EXPLORATIONS LTD.
VANCOUVER, B.C.

OH MINERAL CLAIMS

ATLIN MINING DIVISION

N.T.S. 104-J-4

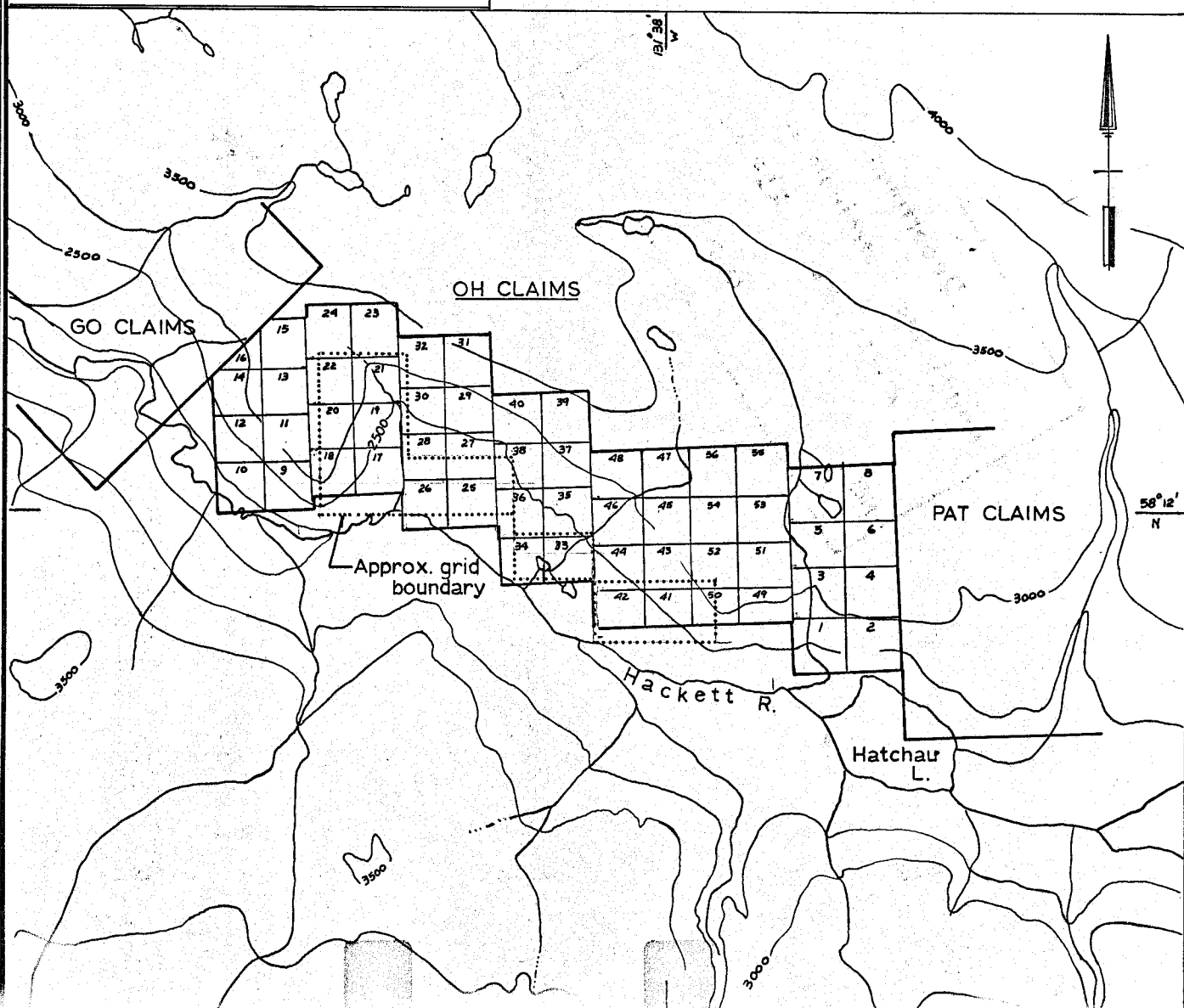
LOCATION MAP OF CLAIMS & GRID

ATLED EXPLORATION MANAGEMENT LIMITED

SCALE = 1:50,000

1.25 in. to 1 mi. approx.

SCALE 1IN. = APPROX. 140MI.



APPENDIX

Personnel And Cost Statements

Overall Supervision

G. Gutrath P. Eng	
3 days @ 150.00/day	\$ 450.00

Field Supervision

R. Darney, B. Sc. geologist	
5 days @ 100.00/day	\$ 600.00

Line Cutting and Soil Sampling

R. Spooner	
H. Hang	
28 man days @ 100.00/day	\$2800.00
Soil Sample anlysis	520.70

Camp Costs

34 man days @ 10.00 /day	\$ 340.00
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Transportation

Hughes 500 helicopter	
6 hours @ 215.00/hour	\$1290.00

TOTAL	<u>\$5200.70</u>
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"OH" MINERAL CLAIMS

<u>Claim</u>	<u>Record No.</u>
OH #1	13589K
OH #2	13590K
OH #3	13591K
OH #4	13592K
OH #5	13593K
OH #6	13594K
OH #7	13595K
OH #8	13596K
OH #41	13629K
OH #42	13630K
OH #49	13637K
OH #50	13638K
OH #51	13639K
OH #52	13640K
OH #53	13641K
OH #54	13642K

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. **71-81-004** DATE **Aug. 2, 1971**
SAMPLES SUBMITTED BY **Mr. Spooner** COMPANY **Renton Management**
SHIPPED VIA **Harrison Airways** FROM **Copper Creek Project**
REPORT ON **293 samples for Mo & Cu** DATE SAMPLES ARRIVED **July 23, 1971**

* * *

COPIES OF THIS REPORT SENT TO:

- (1) **Vancouver Office**
- (2) **P.H. Sevensma Office**
- (3) **c/o Vangeochem Lab - Dease Lake, B. C.**

TRANSMITTED BY:

Mail
"
By **Harrison Airways**

SAMPLES SIFTED OR GROUND TO **-80** MESH WEIGHT USED **0.50 g**
FINAL VOLUME **10 ml** ALIQUOT USED **n/a**

* * *

METHOD OF ANALYSIS: **Instrumental - Atomic Absorption**

EXTRACTION: **Hot HClO₄ - HNO₃ Digestion**

DETECTION: **Techtron AA4 and AA5**

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: **filed**
(b) REJECTS: **discarded**

* * *

ANALYST(S) **W.L., P.M.** TYPIST **hi.**

SUPERVISING CHEMIST **L. Nicol** CHECKED BY **C. CHUN**

COSTS:

Remarks: **nd - none detected**

SHIPPING CHARGE	\$ 20.00
SAMPLE PREPARATION	\$ 61.20
ANALYSIS	\$ 439.50
OTHER	\$ ----
TOTAL	\$ 520.70

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

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NORTH VANCOUVER, B.C. CANADA

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71-81-004

COMPANY **Renton Management**

REPORT No.

PAGE **1** OF **8**

MARKING	Mo	Cu	Remarks
Sp 71 - 1 R	2	62	Rock
2 R	1	45	"
3 S	4	415	
4	3	295	
5	2	274	
6	nd	134	
7	2	261	
8	2	155	
9	2	110	
10	2	220	
11	2	155	
12	2	130	
13	3	126	
14	3	210	
15	5	285	
16	2	91	
17	4	124	
18 S	20	345	
19 N	3	94	
Sp 71 - 20 S	5	200	

MARKING	Mo	Cu		
Sp 71 - 21 S	16	345		
22	18	170		
23	29	190		
24	8	95		
25	19	120		
26	6	93		
27	11	193		
28	4	95		
29	2	55		
30	2	61		
31	4	83		
32	2	71		
33	2	140		
34	4	224		
35	31	690		
36	15	660		
37	4	195		
38	2	137		
Sp 71 - 39 S	4	207		

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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71-81-004

COMPANY **Renton Management**

REPORT No.

PAGE 2 OF 8

MARKING	Mo	Cu			MARKING	Mo	Cu		
Sp 71 - 40S	8	205							
41	4	160			Sp 71 - 60 S	2	122		
42	17	1080			61	2	157		
43	3	390			62	2	84		
44	2	720			63	2	65		
45	3	150			64	1	56		
46	3	184			65	1	58		
47	3	85			66	1	82		
48	3	214			67	1	49		
49	3	215			68	1	134		
50	nd	134			69	2	180		
51	nd	95			70	2	79		
52	1	66			71	2	90		
53	1	114			72	1	90		
54	2	146			73	2	91		
55	2	75			74	1	296		
56	2	58			75	1	159		
57	1	71			76	2	73		
58	1	80			77	1	84		
Sp 71 - 59 S	1	81			Sp 71 - 78 S	1	115		

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COMPANY **Renton Management**

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PAGE **3** OF **8**

MARKING	Mo	Cu		
Sp 71 - 79 S	2	60		
80	nd	60		
81	2	62		
82	1	70		
83	2	45		
84	2	90		
85	1	90		
86	2	70		
87	2	355		
88	5	485		
89	3	470		
90	3	137		
91	1	80		
92	1	66		
93	2	81		
94	2	105		
95	3	113		
96	3	95		
97	2	105		
Sp 71 - 98 S	2	114		

MARKING	Mo	Cu	Remarks	
Sp 71 - 99S	1	100		
100 S	3	440		
01 R	2	38	Rock	
02 R	2	19	"	
03 S	1	195		
04	2	59		
05	1	140		
06	1	56		
07	1	80		
08	1	110		
09	nd	70		
10	1	116		
11	1	175		
12	1	195		
13	2	54		
14	2	124		
15	2	119		
16	2	74		
Sp 71- 117 S	1	135		

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COMPANY **Renton Management**

REPORT No.

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MARKING	Mo	Cu		
Sp 71 - 118 S	1	172		
19	1	194		
20	2	256		
21	2	265		
22	2	195		
23	2	97		
24	2	95		
25	2	100		
26	2	101		
27	2	95		
28	1	86		
29	1	217		
30	1	212		
31	2	215		
32	3	230		
33	3	214		
34	2	212		
35	2	122		
36	2	113		
Sp 71 - 137 S	1	93		

MARKING	Mo	Cu		
Sp 71 - 138 S	1	75		
39	2	100		
40	3	228		
41	2	260		
42	2	98		
43	2	151		
44	1	90		
45	1	76		
46	1	100		
47	nd	42		
48	nd	53		
49	1	60		
50	2	71		
51	1	50		
52	1	30		
53	2	25		
54	1	26		
55	1	32		
Sp 71 - 156 S	2	105		

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71-81-004

COMPANY **Renton Management**

REPORT No.

PAGE **5** OF **8**

MARKING	Mo	Cu		
Sp 71 - 157 S	2	103		
58	1	98		
59	2	31		
60	2	69		
61	2	105		
62	2	102		
63	1	246		
64	1	122		
65	2	125		
66	1	118		
67	2	241		
68	2	210		
69	2	120		
70	2	176		
71	3	220		
72	2	91		
73	2	132		
74	2	76		
75	1	86		
Sp 71 - 176 S	1	80		

MARKING	Mo	Cu		
Sp 71 - 177 S	1	127		
78	2	175		
79	1	200		
80	1	109		
81	2	270		
82	1	235		
83	1	91		
84	2	170		
85	2	105		
86	2	91		
87	2	236		
88	2	330		
89	2	185		
90	3	172		
91	3	83		
92	2	210		
93	2	155		
94	1	100		
Sp 71 - 195 S	2	205		

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71-81-004

COMPANY

Renton Management

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MARKING	Mo	Cu		
Sp 71 - 196 S	1	282		
97	2	192		
98	1	88		
99	2	126		
200	2	150		
01	1	222		
02	2	131		
03	1	192		
04	1	86		
05 S	2	306		
05 N	2	207		
06 S	2	235		
07	1	173		
08	2	245		
09	2	242		
10	1	194		
11	3	201		
12	2	198		
13	2	200		
Sp 71 - 214 S	2	223		

MARKING	Mo	Cu		
Sp 71 - 215	2	221		
16	2	170		
17	2	203		
18	1	227		
19	2	169		
20	1	212		
21	1	450		
22	1	315		
23	1	420		
24	1	438		
25	3	217		
26	2	265		
27	3	250		
28	3	375		
29	2	354		
30	2	225		
31	2	206		
32	3	127		
Sp 71 - 233 S	1	128		

REMARKS
P5

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71-81-004

COMPANY **Renton Management**

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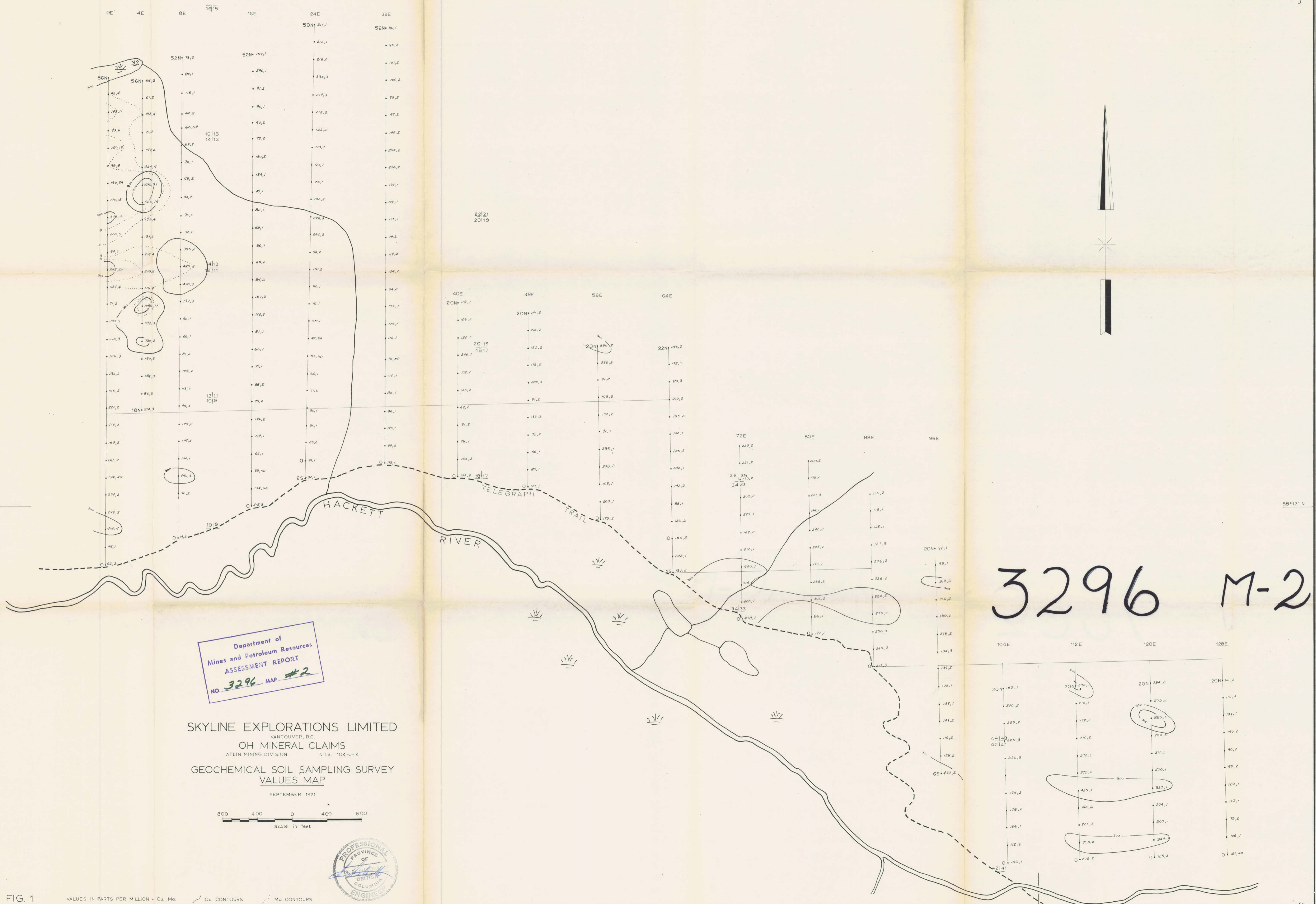
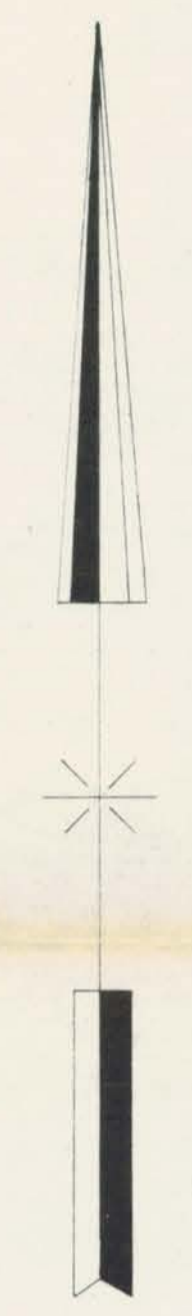
MARKING	Mo	Cu			MARKING	Mo	Cu	Remarks
Sp 71 - 234 S	1	115						
35	2	115			Sp 71 - 254 S	2	190	
36	1	99			55	-----		no sample
37	1	95			56	3	250	
38	2	319			57	3	225	
39	2	150			58	2	225	
40	2	130			59	2	200	
41	2	275			60	1	155	
42	3	134			61	1	570	
43	2	139			62	1	210	
44	1	170			63	2	179	
45	1	139			64	2	270	
46	2	149			65	3	270	
47	2	116			66	2	275	
48	2	138			67	1	425	
49	2	470			68	2	140	
50	1	106			69	2	221	
51	2	112			70	2	350	
52	1	165			71	2	275	
Sp 71 - 253 S	2	175			Sp 71 - 272 S	2	125	

REMARKS

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131°38' W

58°12' N



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3296 MAP #2

SKYLINE EXPLORATIONS LIMITED
VANCOUVER, B.C.
OH MINERAL CLAIMS
ATLIN MINING DIVISION N.T.S. 104-J-4
GEOCHEMICAL SOIL SAMPLING SURVEY
VALUES MAP
SEPTEMBER 1971

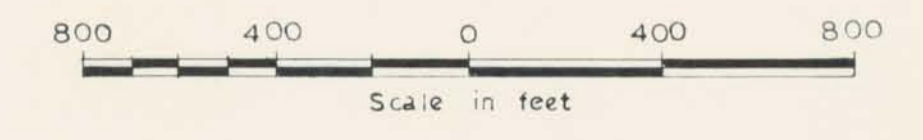


FIG. 1 VALUES IN PARTS PER MILLION - Cu, Mo Cu CONTOURS Mo CONTOURS