

3742

92I/7W

REPORT OF GEOCHEMICAL SURVEY ON CAPER GROUP

Caper 1 - 6	34083 - 8
Caper 7 - 8	35095 - 6
Cap 1 - 9	49670 - 8
Cap Fraction	55085

Located at Brocm Creek (50 , 120 , SW)

by H.R. Shear, P. Eng.

Owners: H.R. Shear and D.F. Pasco.

Work For: Doral Resources Ltd.

Work Dates: June 10 to July 14, 1972.

Dated July 14, 1972

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 3742	MAP

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INTRODUCTION

The Capar group is located 20 miles north-north west of Merritt, B.C. and lies along Broom Creek. Access is via the old Aberdeen Mine road. The property is a copper prospect.

WORK PROGRAMME

From June 10 to June 15, B.Y. Contracting of Merritt, B.C. was engaged to cut a trail through the windfalls up the bottom of Broom Creek, for access, and to cut picket lines. During this period two men, a pickup truck and a power saw, were provided by B.Y. Contracting.

The writer spent one day on the property with the two B.Y. Contracting men. During this time period approximately 4,000 feet of trail and 2.75 miles of picket line was completed. Forty-five soil samples had been collected by the contractor's personnel. It was subsequently found that several of the lines done by the contractor were insufficiently cut out and that one, 4 SE to the Southwest, was improperly positioned.

Consequently, the writer and John Harrison of Greenwood, B.C. spent June 26 - 30, 1972, recutting lines, cutting new ones, and collecting soil samples. The writer completed taking the soil samples on July 1, 1972.

Line 8 NW was cut 2,500 feet to the NE in order to facilitate tying in the Sho 7-8 and Wiz 18-19 location line. This was done to help define the area held by the Cap Fraction.

A total of 170 soil samples were collected and assayed for copper. A total of 19,000 feet or 3.6 miles of picket line were cut. However, the last 1,000 feet on line 8 NW to the Northeast, and the incorrect 4 SE line are not shown on the accompanying map. Thus 16,5000 feet of picket line are shown.

The samples were assayed by the atomic absorption method by Kamloops Research and Assay Laboratories Ltd. of Kamloops, B.C. Samples were collected by using a hand auger and a mattock. Samples were generally collected about 10 to 12 inches deep. However, much of the terrain is rock outcrop and talus slides and consequently soil was difficult to find in some areas. Extra samples were collected on prominent draws.

DISCUSSION OF RESULTS

Showings found to date in the Broom Creek area have been mineralized shear zones. One found on the Capex # 1 runs 9% copper over 3 feet but is fairly short due to faulting. The Aberdeen Mine is reported to have produced about 1,800 tons of better than 10% copper. Broom Creek lies on the Guichon batholith and the predominant rock types there are quartz diorite.

The known mineral zones along Broom Creek contain a lot of sericite and are very soft. Consequently particular attention was paid to the drainage patterns in the survey area in the hopes that one or more might carry copper mineralization. Sample locations were selected at the bottom of draws and depressions where these occurred close to pickets and extra samples taken where draws were relatively further away. Results are shown on the map found at the back of this report.

As was noted earlier, some areas on the property had poor soil development. There seems to be higher assay results where this poor soil occurs, possibly due to the fact that these samples are really silt not soil. This occurs on line 4 SE to the SW and on the NE end of line 0.

Samples running under 150 ppm are probably of no interest. There are several good assay results, all following prominent drainage patterns. Their significance should be approached with some caution due to the fact that the soil from these drainage pattern areas is much higher in humus.

RECOMMENDATIONS

Some detail soil sampling is warranted around all results going better than 200 ppm. The best looking zones are 8 NW, 10 NE to 4 NW, 8 NE area, the 4 NW, 2 NE area, the 2 SE, 1 NE area, and the 4 NW, 0 + 50 SW to 2 NW, 0 + 50 SW area. Following the detail soil sampling it is recommended that a back hoe be used to check the areas of interest.

STATEMENT OF COSTS AND TIME WORKED

B.Y. Contractors Ltd; June 10-15, 1972 (10 man days)

Garth Hulholland, Merritt, B.C.
Martin Tucker, Merritt, B.C.
Plus pickup and power saw.

Billing: 2.75 line miles of picket line @ \$140 per mile \$ 385.00
0.8 miles trail @ \$200 per mile 160.00

H.H. Shear, Greenwood, B.C.

June 11, 1972 (1 day) supervision and trail work
June 19, 1972 ($\frac{1}{2}$ day) trail work
Totals $1\frac{1}{2}$ days @ \$40 per day -60.00
June 26 -July 1, 1972 line cutting and soil sample
collection. 6 days @ \$40 per day 240.00

John Harrison, Greenwood, B.C.

June 26-30, 1972. Linecutting and soil sample collection.
5 days @ \$40 per day 200.00

H.H. Shear, P. Eng., Report and map preparation
July 13-14, 1972 150.00

Soil sample assay bill. 170 samples @ \$1.20 204.00

Transportation VW Stationwagon. 1,000 miles @ 10¢ per mile 100.00

Total \$1499.00

220
1279

Respectfully submitted

H.H. Shear
H.H. Shear, P. Eng.

H.H. SHEAR

14 July, 1972.

ENGINEER

Kamloops Research
 &
Assay Laboratory
 LTD.



R. G. Blundell
 Res. 573-3016

B.C. CERTIFIED ASSAYERS

WEST TRANS CANADA HIGHWAY BOX 946 - KAMLOOPS, B.C.
 PHONE 372-2784

J.G. Alexander
 Res. 372-3687

July 12, 1972.

GEOCHEMICAL REPORT

File # G-03

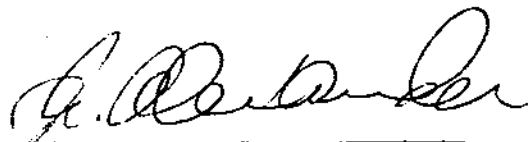
<u>KRAL No.</u>	<u>Marked</u>	<u>Parts per million</u> <u>Copper</u>	<u>KRAL No.</u>	<u>Marked</u>	<u>Parts per million</u> <u>Copper</u>
G-03-01	C-1	63	G-03-31	C-31	28
02	2	33	32	32	33
03	3	38	33	33	78
04	4	248	34	34	147
05	5	18	35	35	117
06	6	30	36	36	53
07	7	90	37	37	117
08	8	30	38	38	107
09	9	42	39	39	180
10	10	42	40	40	78
11	11	323	41	41	68
12	12	32	42	42	62
13	13	53	43	43	48
14	14	98	44	44	68
15	15	53	45	45	83
16	16	218	46	46	80
17	17	180	47	47	60
18	18	102	48	48	42
19	19	125	49	49	78
20	20	60	50	50	43
21	21	72	51	51	33
22	22	23	52	52	33
23	23	48	53	53	27
24	24	30	54	54	42
25	25	540	55	55	83
26	26	57	56	56	429
27	27	72	57	57	135
28	28	125	58	58	324
29	29	68	59	59	306
30	30	105	60	60	33

Cont'd.....

<u>KRAL NO.</u>	<u>Marked</u>	<u>ppm Cu.</u>	<u>KRAL No.</u>	<u>Marked</u>	<u>PPM Cu.</u>
G-03-61	C-61	33	G-03-142	C-112	30
62	62	98	143	113	519
63	63	17	144	114	42
64	64	33	145	115	68
65	65	143	146	116	202
66	66	98	147	117	42
67	67	33	148	118	63
68	68	42	149	119	60
69	69	98	150	120	93
70	70	72	151	121	93
71	71	158	152	122	72
72	72	60	153	123	351
73	73	99	154	124	57
74	74	60	155	125	60
75	75	240	156	126	48
76	76	210	157	127	57
77	77	16	158	128	57
78	78	45	159	129	150
79	79	153	160	130	147
80	80	42	161	131	120
81	81	18	162	132	75
82	82	27	163	133	60
83	83	60	164	134	142
84	84	78	165	135	150
85	85	208	166	136	120
86	86	117	167	137	143
87	87	195	168	138	38
88	88	102	169	139	75
89	89	78	170	140	53
90	90	123	171	141	173
91	91	78			
92	92	30	112	8SE-1SW	27
93	93	78	113	2	18
94	94	33	114	3	15
95	95	27	115	4	12
96	96	30	116	5	7
97	97	27	117	6	7
98	98	27	118	7	42
99	99	42	119	8	12
100	100	68	120	9	11
101	101	94	121	10	45
102	102	117	122	11	32
103	103	105	123	12	45
104	104	173	124	13	No sample
105	105	168	125	14	78
106	106	240	126	15	127
107	107	117			
108	108	210	127	12SE-1SW	48
109	109	78	128	2	45
110	110	195	129	3	18
111	111	98	130	4	32

Cont'd.....

<u>KRAL No.</u>	<u>Marked</u>	<u>ppm. Cu</u>
G-03-131	12SE-5SW	45
132	6	27
133	7	195
134	8	12
135	9	14
136	10	11
137	11	12
138	12	33
139	13	33
140	14	14
141	15	280



J. G. Alexander,
B. C. Certified Assayer

GOVERNMENT AGENT
RECEIVED

P.O. Box 159,

Greenwood, B.C.

445-6717

3rd. August, 1972.

The Mining Recorder,
Court House,
Merritt, B.C.

MERRITT, B. C.

Dear Sir,

Re: Dept. of Mines & Pet. Resources
File No. 166 - Nicola

Enclosed is a copy of a letter sent to my partner, D.F. Pasco by the Department of Mines in Victoria. I have called the Kamloops Research and Assay Laboratory to ascertain the following desired information:

"Samples are dried and screened and then heated with 1 to 3 Nitric acid for 15 minutes. The solution and sample are then shaken and 1 to 1 Hydrochloric acid is added and the mixture heated for 15 minutes. The sample is then shaken and then diluted with water. The mixture is next brought to a boil and the sample is shaken and allowed to settle. A portion of the solution is then taken for analysis in the atomic absorption unit."

I am also enclosing a letter to Mr. Pasco and myself from M. Jorgenson. When I prepared the geochemical report in question, I had been informed by Jorgenson that a company called Doral Resources would be paying for the work. Doral was to be a reorganization of Totem Uraniums Ltd. (N.P.L.) These plans did not materialize and the outcome was that Totem and Skaist Mines Ltd. (N.P.L.), of 1009-736 Granville Street, Vancouver, B.C., paid for the work.

Yours sincerely,

H.H. Shear
(H.H. Shear)

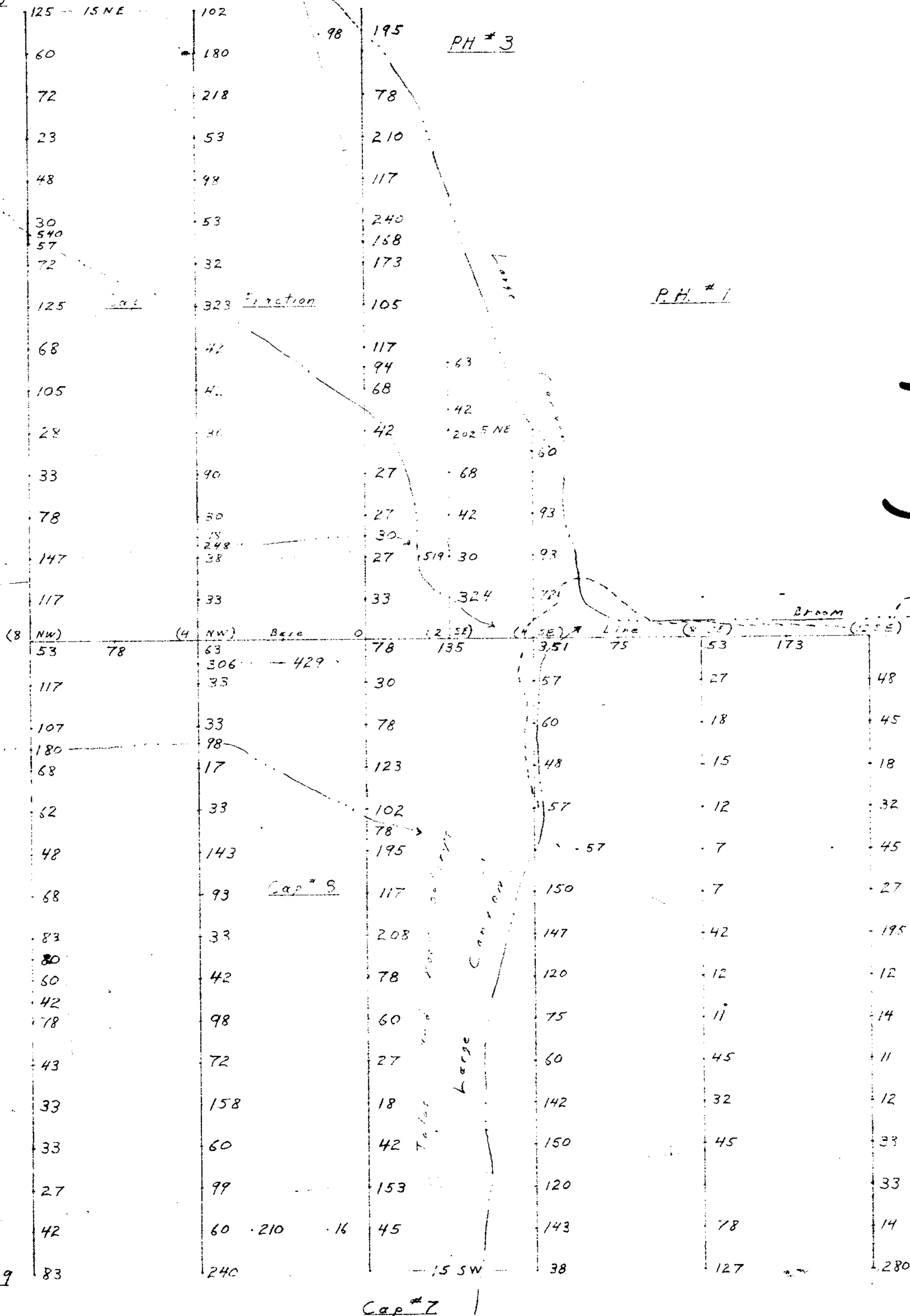
c.c. Dept. of Mines, Victoria.

Sho #8

Pre #1

Pre #3

Cap #9



3742 M-1

True North

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3742 MAP #1

H. H. Shear
July 14, 1972

- Legend**
- 351 Location of Cu assays on picket lines in parts per million
 - 57
 - Claim boundaries
 - Drainage
 - Trail

Geochemical Survey for Cu-
To accompany Geochemical Report by H.H. Shear, P. Eng., on the Caper Group, on Broom Creek, Nicola, B.C., dated July 14, 1972
scale 1" = 200'