2737

GEOPHYSICAL REPORT
and DATA
82E/ 13E
"ROY" CLAIM GROUP
KELOWNA, B. C.
→ 82E/13E + 82L/4E

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F. L. CROTEAU LTD.
GEOLOGICAL ENGINEERING

GEOPHYSICAL AND GEOCHEMICAL SURVEY
"ROY" CLAIM GROUP
KELOWNA AREA, B.C.

by

F.L. Croteau, B.Sc.
P.Eng. P.Geol.

Vancouver, B.C.
November 26, 1970

1910 - 1055 W. HASTINGS ST., • VANCOUVER 1, B.C. • BUSINESS 682 - 6885 • RESIDENCE 733 - 8708

INTRODUCTION

A magnetometer survey was conducted over the "Roy" claim group located in the Kelowna Area, British Columbia during portions of August and September 1970. The survey was carried out by Mr. W.A. McClelland of Merritt, B.C. and was later examined by Mr. Sherwin F. Kelly, P.Eng., a geophysicist, working out of Merritt.

During the course of the survey and later the writer had occasion to examine the field work and to consult on necessary detail work to further define anomalous conditions that were found.

Selective geochemical sampling was done to see what reaction might be obtained in various portions of the claims and more specifically in the anomalous areas. Only those samples associated with the anomalous areas were assayed while the balance were retained for further study if considered advisable.

RESULTS

Three anomalous areas were established by the geophysical survey. These areas were not markedly above the average background reading that appeared to be common to the area but were considered significant enough to warrant further investigation. Soil sampling in the anomalous areas also showed a considerably higher copper count than average background.

The anomalies were essentially located in claims Roy 86, 89, 91, 93 and 95 and comprised 3 areas contoured above the 600 gamma level. The general impression had to be found that a northwesterly trend occurs to the conductor materials and this was borne out by the trend established by the anomalous geochemical assays.

At a later date a diamond drill hole was located and drilled on the centre anomaly to a depth of 528 feet. Heavy magnetite mineralization was encountered in an intermediate composition altered lava from 370 feet to the bottom of the hole, where mineral was still quite prominent. The assays taken revealed the deposit to be of potential economic interest as an iron deposit. Titanium was also present in the assays.

Petrographic and metallurgical studies are being carried out at present and further diamond drilling is contemplated for the 1971 field season.

A gravity survey has been conducted over the anomalous area by Kenting Explorations Ltd. and a report on this survey is being awaited.

CONCLUSIONS

1. The anomalous areas are the result of deep seated magnetite occurrences and for this reason readings taken cannot be truly used to outline the full extent of the deposit.

Gravity surveys may help in this regard.

2. Metallurgical work is necessary to define the extent to which titanium may be an interfering element in the iron concentration.

3. The magnetite occurs as a prolific, finely disseminated mineral in a very uniform re-crystallised, dense andesite.

4. The copper values returned by the geo-chemical survey, while generally following the anomalous trend of the iron could not be related to results obtained in the diamond drilling.

Resepctfully submitted,

F.L. Croteau, P.Eng.

Vancouver, B.C.
November 22, 1970

LINE #1 BASE STATION #1 AUGUST 10-1970

Station	Read	Time		Station	Read	Time
0W	480	2:30	Base	66W	515	3:36
2W	475	2:32	500	68W	510	3:38
4W	480	2:34	8:00	70W	505	3:40
6W	480	2:36		72W	510	3:44
8W	480	2:38		74W	505	3:46
10W	475	2:40				
12W	475	2:42				
14W	480	2:44				
16W	475	2:46				
18W	480	2:48				
20W	490	2:50				
22W	500	2:52				
24W	500	2:54				
26W	520	2:56				
28W	520	2:58				
30W	540	3:00				
32W	570	3:02	Base			
34W	620	3:04	500			
36W	600	3:06	12:00			
38W	570	3:08				
40W	555	3:10				
42W	540	3:12				
44W	540	3:14				
46W	535	3:16				
48W	535	3:18				
50W	535	3:20				
52W	530	3:22				
54W	525	3:24				
56W	520	3:26				
58W	525	3:28				
60W	520	3:30	Base			
62W	515	3:32	500			
64W	515	3:34	5:00			

LINE #2 BASE STATION #1 AUGUST

Station	Read	Time		Station	Read	Time	
0W	460	11:12	Base	64W	510	1:38	Base
2W	470	11:14	500	66W	510	1:40	500
4W	480	11:16	10:00	68W	510	1:42	12:00
6W	480	11:18	August 9/70	70W	505	1:44	Base
8W	480	11:20		72W	500	1:46	500
10W	485	11:22		74W	500	1:48	5:00
12W	490	11:24	Base				
14W	480	11:26	500				
16W	490	11:28	12:00				
18W	495	11:30					
20W	500	12:30					
22W	510	12:32					
24W	505	12:34					
26W	500	12:36	Base				
28W	490	12:38	500				
30W	485	12:40	12:48				
32W	485	12:42					
34W	485	12:44					
36W	480	12:46					

38W	485	1:14	August 10/70
40W	485	1:16	Base
42W	490	1:18	500
44W	495	1:20	8:00
46W	495	1:22	
48W	490	1:24	
50W	500	1:26	
52W	500	1:28	
54W	500	1:30	
56W	505	1:31	
58W	510	1:32	
60W	505	1:34	
62W	500	1:36	

LINE #3 BASE STATION #1 AUGUST

Station	Read	Time		Station	Read	Time	
0W	480	8:30	Base	64W	500	2:48	
2W	490	8:32	500	66W	495	2:50	Base
4W	485	8:34	7:00	68W	500	2:52	500
6W	500	8:36	August 9/70	70W	500	2:54	9:00
8W	485	8:38		72W	500	2:56	
10W	485	8:40		74W	495	2:58	Base
12W	500	8:42	Base	76W	490	3:00	500
14W	500	8:44	500	78W	495	3:02	1:46
16W	500	8:46	12:00	80W	485	3:15	
18W	500	8:48		82W	490	3:30	Base
20W	500	8:50	Base	84W	490	3:45	500
22W	500	8:52	500	86W	490	4:00	7:00
24W	500	8:54	12:48	88W	490	4:15	
26W	500	8:56		90W	490	4:30	
28W	500	8:58		92W	490	4:45	
30W	500	9:00		94W	490	5:00	
32W	500	9:02		96W	490	5:15	
34W	500	9:04		98W	490	5:30	
36W	500	9:06		100W	490	5:35	
38W	500	9:08		102W	490	5:40	
40W	500	9:10		104W	490	5:45	
42W	500	9:12		106W	490	5:50	
44W	500	9:14		108W	490	5:55	
46W	500	9:16		110W	490	6:00	
48W	485	10:27		112W	490	6:05	
50W	482	10:29		114W	490	6:10	
52W	485	10:31		116W	490	6:15	
54W	482	10:33		118W	490	6:20	
56W	485	10:35		120W	490	6:25	
58W	485	10:37					
60W	485	10:40					
62W	495	2:46	August 12/70				

LINE #4 BASE STATION #1 AUGUST

Station	Read	Time		Station	Read	Time	
0W	500	8:42	Base	60W	480	10:70	Base
2W	500	8:44	500				500
4W	515	8:46	8:00				10:00
6W	510	8:48	August 10/70				Base
8W	450	8:50	Base				500
10W	500	8:52	500				12:00
12W	465	8:54	12:00				Base
14W	470	8:56					500
16W	480	8:58	Base				12:48
18W	480	9:00	500				
20W	485	9:02	5:00	62W	490	2:00	Aug.12/70
22W	480	9:04		64W	495	2:02	Base
24W	475	9:06		66W	495	2:04	500
26W	480	9:08		68W	490	2:06	9:00
28W	478	9:10		70W	490	2:08	
30W	480	9:12		72W	490	2:10	Base
32W	480	9:14		74W	490	2:12	500
34W	480	9:16		76W	490	2:14	1:46
36W	480	9:18		78W	490	2:16	
38W	480	9:20		80W	480	2:18	Base
40W	480	9:22		82W	485	2:20	500
42W	475	9:24		84W	495	2:22	7:00
44W	475	9:26		86W	500	2:24	
46W				88W	500	2:26	
48W	LAKE			90W	505	2:28	
50W	LOG						
52W	JAM						
54W							

56W	480	10:43	August 9/70
58W	480	10:45	

LINE #45 BASE STATION #1 AUGUST 29-1970

Station	Read	Time
0W	535	9:35
2W	540	9:37
4W	555	9:39
6W	540	9:41
8W	520	9:43
10W	500	11:43
12W	510	11:45
14W	510	11:47
16W	500	11:49
18W	515	11:51
20W	535	11:53
22W	515	11:55
24W	510	11:57
26W	520	11:59
28W	500	12:01
30W	500	12:03
32W	505	12:05
34W	510	12:07
36W	500	12:09
38W	500	12:20
40W	500	12:25
42W	500	12:30
44W	500	12:35
46W	500	12:40
48W	500	12:45
50W	500	12:50
52W	505	12:55
54W	495	1:00
56W	495	1:05
58W	500	1:10
60W	495	1:15
62W	500	1:20
64W	500	1:25

Base Station 500 10:43

Station	Read	Time
66W	495	1:30
68W	505	1:35
70W	505	1:40
72W	505	1:45
74W	510	1:50

Base Station 500 12:00

Base Station 500 3:00

Lines 1-45 -

W. A. McClellan Jr

LINE #11 BASE STATION #2 AUGUST 19-1970

Station	Read	Time		Station	Read	Time	
0W	525	8:00	Base	66W	485	10:45	
2W	525	8:05	500	68W	485	10:50	
4W	520	8:10	7:00	70W	490	10:55	
6W	520	8:25		72W	495	11:00	
8W	535	8:20		74W	495	11:05	
10W	545	8:25		76W	495	11:10	
12W	525	8:30		78W	500	11:15	
14W	510	8:35		80W	495	11:20	
16W	520	8:40		82W	500	11:25	
18W	515	8:45		84W	495	11:30	
20W	520	8:56		86W	500	11:35	
22W	515	8:55		88W	495	11:40	
24W	520	9:00		90W	500	11:45	
26W	510	9:05		92W	495	11:50	
28W	515	9:10		94W	495	11:55	Base
30W	510	9:15		96W	500	12:00	500
32W	515	9:20		98W	500	2:00	1:00
34W	500	9:25		100W	500	2:05	
36W	520	9:30		102W	500	2:10	
38W	515	9:35		104W	505	2:15	
40W	485	9:40		106W	500	2:20	
42W	460	9:45		108W	500	2:25	
44W	460	9:50		110W	515	2:30	
46W	475	9:55		112W	510	2:35	
48W	485	10:00		114W	530	2:40	
50W	485	10:05		116W	505	2:45	Base
52W	490	10:10		118W	515	2:50	500
54W	490	10:15		120W	510	2:55	6:00
56W	495	10:20					
58W	500	10:25					
60W	490	10:30					
62W	490	10:35					
64W	495	10:40					

LINE #12 BASE STATION #2 AUGUST 20-1970

Station	Read	Time		Station	Read	Time	
0E	485	10:00	Base	66E	490	12:50	
2E	480	10:05	490	68E	490	12:55	
4E	480	10:10	9:00	70E	495	1:00	Base
6E	475	10:20		72E	500	1:05	490
8E	485	10:25		74E	495	1:10	6:00
10E	490	10:30					
12E	490	10:35					
14E	495	10:40					
16E	485	10:45					
18E	490	10:50					
20E	475	10:55					
22E	485	11:00					
24E	485	11:05					
26E	485	11:10					
28E	490	11:15					
30E	490	11:20					
32E	495	11:25	Base				
34E	490	11:30	500				
36E	485	11:35	12:00				
38E	490	11:40					
40E	485	11:45					
42E	490	11:50					
44E	480	11:55					
46E	490	12:00					
48E	490	12:05					
50E	480	12:10					
52E	490	12:15					
54E	490	12:20					
56E	490	12:25					
58E	490	12:30					
60E	490	12:35					
62E	495	12:40					
64E	495	12:45					

BASE LINE | BASE STATION #1 | AUGUST 28-1970

Station	Read	Time		Station	Read	Time
0N	500	8:50	Base	34N	515	9:24
1N	500	8:51	Station	35N	515	9:25
2N	505	8:52	500	36N	520	9:26
3N	510	8:53	8:30	37N	515	9:27
4N	510	8:54		38N	520	9:28
5N	510	8:55		39N	520	9:29
6N	510	8:56		40N	525	9:30
7N	510	8:57		41N	525	9:31
8N	510	8:58		42N	525	9:32
9N	510	8:59		43N	535	9:33
10N	510	9:00		44N	535	9:34
11N	510	9:01		45N	535	9:35
12N	515	9:02				
13N	515	9:03	Base			
14N	510	9:04	Station			
15N	515	9:05	500			
16N	515	9:06	12:00			
17N	515	9:07				
18N	510	9:08				
19N	510	9:09				
20N	510	9:10				
21N	515	9:11				
22N	510	9:12				
23N	515	9:13				
24N	515	9:14				
25N	510	9:15	Base			
26N	515	9:16	Station			
27N	515	9:17	500			
28N	510	9:18	5:00			
29N	510	9:19				
30N	515	9:20				
31N	515	9:21				
32N	510	9:22				
33N	510	9:23				

LINE #10 BASE STATION #1 SEPTEMBER 2-1970

Station	Read	Time		Station	Read	Time
0W	495	10:00	Base			
2W	480	10:02	Station			
4W	480	10:04	500			
6W	475	10:06	9:30			
8W	480	10:08				
10W	485	10:10				
12W	485	10:12				
14W	490	10:14				
16W	485	10:16				
18W	490	10:18				
20W	500	10:20				
22W	500	10:22				
24W	500	10:24				
26W	500	10:26				
28W	510	10:28				
30W	515	10:30				
32W	515	10:32	Base			
34W	520	10:34	Station			
36W	535	10:36	500			
38W	520	10:38	12:00			
40W	520	10:40				
42W	520	10:42				
44W	520	10:44				
46W	520	10:46				
48W	515	10:48				
50W	515	10:50				
52W	510	10:52				
54W	505	10:54	Base			
56W	505	10:56	Station			
58W	500	10:58	500			
60W	500	11:00	5:00			

LINE #16 BASE STATION #1 AUGUST 30-1970

Station	Read	Time		Station	Read	Time
0W	515	10:16	Base			
2W	510	10:18	Station			
4W	495	10:20	500			
6W	480	10:22	9:30			
8W	480	10:24				
10W	480	10:26				
12W	480	10:28				
14W	480	10:30				
16W	485	10:32				
18W	480	10:34				
20W	500	10:36				
22W	500	10:38				
24W	505	10:40				
26W	520	10:42				
28W	525	10:44				
30W	535	10:46	Base			
32W	550	10:48	Station			
34W	585	10:50	500			
36W	685	10:52	12:00			
38W	640	10:54				
40W	600	10:56				
42W	580	10:58				
44W	560	11:00				
46W	555	11:02				
48W	545	11:04				
50W	550	11:06				
52W	550	11:08				
54W	540	11:10				
56W	540	11:12	Base			
58W	535	11:14	Station			
60W	530	11:16	500			
62W	525	11:18	3:00			
64W	520	11:20				

LINE #16 REJONNAISSANCE

Station	Read	Time	Station	Read	Time
27W	520	10:43			
29W	530	10:45			
31W	540	10:47			
33W	555	10:49			
35W	675	10:51			
37W	675	10:53			
39W	670	10:55			
41W	590	10:57			
43W	565	10:59			
45W	560	11:01			
47W	550	11:03			
49W	550	11:05			
51W	545	11:07			
53W	545	11:09			
55W	540	11:11			
57W	540	11:13			
59W	535	11:15			
61W	530	11:17			
63W	520	11:19			

LINE #19 BASE STATION #1

Station	Head	Time		Station	Head	Time
0W	510	10:12	Aug 30/70			
2W	510	10:10	Base			
4W	500	10:08	Station			
6W	490	10:06	490			
8W	480	10:04	9:00			
10W	480	10:02				
12W	475	10:00				
14W	475	10:30	Sept 1/70			
16W	480	10:32				
18W	495	10:34				
20W	505	10:36	Base			
22W	510	10:38	Station			
24W	520	10:40	490			
26W	525	10:42	1:00			
28W	530	10:44				
30W	540	10:46				
32W	540	10:48				
34W	575	10:50				
36W	695	10:52				
38W	655	10:54				
40W	670	10:56				
42W	570	10:58				
44W	555	11:00				
46W	555	11:02				
48W	550	11:04				
50W	550	11:06	Base			
52W	550	11:08	Station			
54W	545	11:10	490			
56W	540	11:12	3:38			
58W	540	11:14				
60W	530	11:16				
62W	525	11:18				
64W	520	11:20				

LINE # 19 RECONNAISSANCE

Station	Head	Time	Station	Head	Time
23W	510	10:39			
25W	525	10:41			
27W	525	10:43			
29W	540	10:45			
31W	540	10:47			
33W	550	10:49			
35W	620	10:51			
37W	700	10:53			
39W	795	10:55			
41W	600	10:57			
43W	560	10:59			
45W	555	11:01			
47W	555	11:03			
49W	550	11:05			
51W	550	11:07			
53W	550	11:09			
55W	545	11:11			
57W	540	11:13			
59W	535	11:15			
61W	525	11:17			
63W	520	11:19			

3925 - 820

3950 - 960

3975 - 680

LINE 22 BASE STATION #1 AUGUST 31-1970

Station	Read	Time		Station	Read	Time
0W	510	2:38	Base			
2W	500	2:36	Station			
4W	495	2:34	500			
6W	480	2:32	9:00			
8W	480	2:30				
10W	480	2:28				
12W	475	2:26				
14W	475	2:24				
16W	475	2:22				
18W	485	2:20				
20W	500	2:18				
22W	510	2:16				
24W	510	2:14				
26W	540	2:12				
28W	545	2:10				
30W	540	2:08	Base			
32W	530	2:06	Station			
34W	520	2:04	500			
36W	480	2:02	12:00			
38W	590	2:00				
40W	865	11:58				
42W	780	11:56				
44W	585	11:54				
46W	560	11:52				
48W	560	11:50				
50W	560	11:48				
52W	570	11:46				
54W	565	11:44				
56W	560	11:42	Base			
58W	550	11:40	Station			
60W	540	11:38	500			
62W	530	11:36	5:00			
64W	520	11:34				

LINE #22 RECONNAISSANCE

Station	Read	Time	Station	Read	Time
23W	510	2:15			
25W	540	2:13			
27W	540	2:11			
29W	540	2:09			
31W	535	2:07			
33W	520	2:05			
35W	505	2:03			
37W	500	2:01			
39W	470	1:59			
41W	700	11:57			
43W	610	11:55			
45W	570	11:53			
47W	560	11:51			
49W	560	11:49			
51W	570	11:47			
53W	565	11:45			
55W	560	11:43			
57W	555	11:41			
59W	545	11:39			
61W	535	11:37			
63W	520	11:35			

25'

4225 - 665

4175 - 810

4150 - 860

4125 - 665

4075 - 665

4050 - 680

4025 - 820

3975 - 810

3950 - 790

3925 - 600

LINE #5 BASE STATION #1 AUGUST 21-1970

Station	Read	Time		Station	Read	Time	
0W	495	3:38	Base	66W	480	1:30	
2W	490	3:36	500	68W	480	1:35	
4W	505	3:34	3:00	70W	480	1:40	
6W	500	3:32		72W	480	1:45	
8W	490	3:30		74W	480	1:50	
10W	480	3:28		76W	480	1:55	
12W	505	3:26		78W	480	2:00	
14W	510	3:24		80W	480	2:05	
16W	505	3:22		82W	480	2:10	
18W	500	3:19		84W	485	2:15	
20W	500	3:17		86W	480	2:20	
22W	500	3:15		88W	480	2:25	
24W	500	3:10		90W	480	2:30	
26W	490	3:05					Base
28W	490	3:00					500
30W	490	11:15					6:00
32W	490	11:30					
34W	490	11:35					
36W	490	11:40					
38W	480	11:45					
40W	480	11:50					
42W	490	11:55					
44W	490	12:00					
46W	480	12:05					
48W	480	12:10					
50W	480	12:15					
52W	480	12:20					
54W	495	12:25					
56W	495	12:30					
58W	485	12:35	Base				
60W	480	12:25	500				
62W	485	1:20	12:50				
64W	480	1:25					

LINE #6 BASE STATION #1 AUGUST 12-1970

Station	Read	Time		Station	Read	Time	
0N	485	9:45	Base	66W	510	10:52	
2W	485	9:48	500	68W	500	10:54	
4W	480	9:50	9:00	70W	490	10:56	
6W	490	9:52		72W	495	10:58	
8W	510	9:54		74W	485	11:00	
10W	485	9:56		76W	490	11:02	
12W	490	9:58		78W	490	11:04	
14W	480	10:00		80W	495	11:06	
16W	500	10:02		82W	485	11:08	
18W	495	10:04		84W	500	11:10	
20W	500	10:06		86W	500	11:12	
22W	495	10:08		88W	500	11:14	
24W	495	10:10		90W	500	11:16	
26W	510	10:12		92W	490	11:18	
28W	500	10:14		94W	490	11:20	
30W	495	10:16		96W	485	11:22	
32W	495	10:18		98W	490	11:24	
34W	490	10:20		100W	495	11:26	
36W	490	10:22		102W	495	11:28	
38W	490	10:24		104W	500	11:30	
40W	490	10:26		106W	490	11:32	
42W	490	10:28		108W	490	11:34	
44W	490	10:30		110W	485	11:36	
46W	490	10:32		112W	490	11:38	
48W	490	10:34		114W	490	11:40	Base
50W	490	10:36		116W	490	11:42	500
52W	490	10:38		118W	485	11:44	12:00
54W	485	10:40		120W	490	11:46	
56W	490	10:42					
58W	490	10:44					Base
60W	485	10:46					500
62W	495	10:48					6:00
64W	500	10:50					

LINE #7 BASE STATION #2 AUGUST 11-1970

Station	Read	Time		Station	Read	Time	
0E	490	1:30	Base	66E	510	2:36	Base
2E	490	1:32	490	68E	515	2:38	490
4E	490	1:34	10:30	70E	510	2:40	4:00
6E	490	1:36		72E	505	2:42	
8E	490	1:38		74E	500	2:44	
10E	490	1:40					
12E	495	1:42					
14E	490	1:44					
16E	490	1:46					
18E	490	1:48					
20E	490	1:50					
22E	490	1:52					
24E	490	1:54					
26E	495	1:56					
28E	490	1:58					
30E	495	2:00					
32E	495	2:02	Base				
34E	490	2:04	490				
36E	490	2:06	12:30				
38E	490	2:08					
40E	490	2:10					
42E	490	2:12					
44E	490	2:14					
46E	490	2:16					
48E	495	2:18					
50E	500	2:20					
52E	500	2:22					
54E	510	2:24					
56E	500	2:26					
58E	500	2:28					
60E	500	2:30					
62E	500	2:32					
64E	510	2:34					

LINE #8 BASE STATION #1 & #2 AUGUST

Station	Read	Time		Station	Road	Time	
0W	470	8:40	Base	42W	480	10:41	Aug.10/70
2W	460	8:37	500	44W	485	10:43	Base
4W	470	8:35	8:00	46W	485	10:45	500
6W	480	8:33	August 13/70	48W	490	10:47	8:00
8W	480	8:31	Base	50W	495	10:49	
10W	480	8:29	500	52W	495	10:51	Base
12W	485	8:27	12:50	54W	490	10:53	500
14W	490	8:25	Base	56W	490	10:55	12:00
			500	58W	490	10:57	
			4:30	60W	495	11:00	Base
				62W	485	11:02	500
16W	480	3:26	August 20/70	64W	485	11:04	5:00
18W	480	3:24	Base #2	66W	495	11:06	
20W	480	3:22	490	68W	495	11:08	
22W	480	3:20	9:00	70W	485	11:10	
24W	480	3:19	Base #2	72W	490	11:12	
26W	480	3:17	490	74W	485	11:14	
28W	480	3:15	1:40				
			Base #2				
			490				
			4:00				
30W	490	10:49	August 9/70				
32W	490	10:51	Base				
34W	490	10:53	500				
36W	500	10:55	10:00				
38W	480	11:00	Base				
40W	480	11:10	500				
			12:00				
			Base				
			500				
			12:48				

LINE #9 BASE STATION #2 AUGUST 11-1970

Station	Read	Time		Station	Read	Time
0E	515	12:00	Base	66E	485	10:53
2E	510	11:58	490	68E	490	10:51
4E	500	11:56	10:30	70E	490	10:49
6E	500	11:54		72E	485	10:47
8E	495	11:52		74E	490	10:45
10E	500	11:50				
12E	510	11:48				
14E	500	11:46				
16E	490	11:44				
18E	500	11:42				
20E	500	11:40				
22E	490	11:38				
24E	470	11:36	Base			
26E	480	11:34	490			
28E	475	11:32	12:30			
30E	480	11:30				
32E	480	11:28				
34E	480	11:26				
36E	480	11:24				
38E	485	11:22				
40E	480	11:20				
42E	480	11:18				
44E	485	11:16				
46E	485	11:14				
48E	485	11:12				
50E	485	11:10				
52E	485	11:07				
54E	485	11:05				
56E	490	11:03				
58E	490	11:01	Base			
60E	490	10:59	490			
62E	490	10:57	4:00			
64E	490	10:55				

LINE #10 BASE STATION #1 AUGUST 20, 1970

Station	Read	Time		Station	Read	Time
0W	510	9:10	Base	66W	530	11:10
2W	505	9:05	500	68W	530	11:15
4W	500	9:00	8:25	70W	530	11:20
6W	505	8:55		72W	520	11:25
8W	500	8:50		74W	520	11:30
10W	500	8:45				
12W	500	8:40				
14W	500	9:25				
16W	470	9:27				
18W	475	9:29	Base			
20W	585	9:30	500			
22W	540	9:32	12:00			
24W	600	9:34				
26W	705	9:36				
28W	740	9:38				
30W	620	9:40				
32W	555	9:45				
34W	550	9:50				
36W	520	9:55				
38W	520	10:00				
40W	505	10:05				
42W	480	10:10				
44W	595	10:20				
46W	605	10:25				
48W	605	10:30				
50W	575	10:35				
52W	600	10:40				
54W	605	10:45				
56W	570	10:48				
58W	575	10:50				
60W	550	10:55				
62W	570	11:00				
64W	540	11:05				

Station	Read	Time	Station	Read	Time
0W	510	1:00	Base		
2W	510	1:02	Station		
4W	515	1:04	500		
6W	525	1:06			
8W	535	1:08			
10W	540	1:10			
12W	550	1:12			
14W	570	1:14			
16W	525	1:16			
18W	635	1:18			
20W	545	1:20			
22W	510	1:22	Base		
24W	485	1:24	Station		
26W	405	1:26	500		
28W	865	1:28			
30W	800	1:30			
32W	605	1:32			
34W	535	1:34			
36W	505	1:36			
38W	505	1:38			
40W	500	1:40			
42W	500	1:42	Base		
44W	500	1:44	Station		
46W	500	1:46	500		
48W	510	1:48			
50W	515	1:50			
52W	510	1:52			
54W	510	1:54			

LINE #28 RECONNAISSANCE

Station	Read	Time	Station	Read	Time
15W	580	1:15			
17W	590	1:17			
19W	580	1:19			
21W	680	1:21			
23W	480	1:23			
25W					
27W					
29W	800	1:29			
31W	750	1:31			
33W	565	1:33			
35W	520	1:35			
37W	500	1:37			
39W					
41W					

1625 - 720

1650 - 730

2150 - 810

2850 - 805

LINE #31 BASE STATION #1 SEPTEMBER 3-1970

Station	Mead	Time	Station	Mead	Time
12W	625	3:06			
10W	570	3:08			
8W	550	3:10			
6W	535	3:12			
4W	520	3:14			
2W	515	3:16			
0W	515	3:18			
14W	635	3:32			
16W	580	3:34			
18W	765	3:36			
20W	570	3:38			
22W	535	3:40			
24W	510	3:42			
26W	515	3:44			
28W	500	3:46			

LINE #31 RECONNAISSANCE

Station	Read	Time	Station	Read	Time
9W	560	3:09			
11W	600	3:07			
13W	660	3:31			
15W	610	3:33			
17W	900	3:35			
19W	565	3:37			
21W	520	3:39			
23W	530	3:41			
25W	500	3:43			
27W	505	3:45			

LINE #34 BASE STATION #1 SEPTEMBER 3-1970

Station	Read	Time	Station	Read	Time
20W	500	10:00			
18W	510	10:02			
16W	520	10:04			
14W	530	10:06			
12W	540	10:08			
10W	550	10:10			
8W	560	10:12			
6W	540	10:14			
4W	535	10:16			
2W	525	10:18			
0W	515	10:20			

LINE #34 RECONNAISSANCE

Station	Read	Time	Station	Read	Time
9W	560	10:11			
7W	550	10:13			

LINE #37 BASE STATION #1 SEPTEMBER 3-1970

Station	Read	Time	Station	Read	Time
0W	515	10:28			
2W	520	10:30			
4W	530	10:32			
6W	525	10:34			
8W	520	10:36			
10W	520	10:38			
12W	520	10:40			
14W	510	10:46			

LINE #40 BASE STATION #1 SEPTEMBER 3-1970

Station	Read	Time	Station	Read	Time
10W	515	10:56			
8W	515	10:58			
6W	520	11:00			
4W	525	11:02			
2W	535	11:04			
0W	525	11:06			

LINE #43 BASE STATION #1 SEPTEMBER 3-1970

Station	Head	Time	Station	Head	Time
0W	535	11:16			
2W	530	11:18			
4W	525	11:20			
6W	520	11:22			
8W	515	11:24			
10W	515	11:26			

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
TO WIT:

In the Matter of

Bay 1 – 135

I,

of

in the Province of British Columbia, do solemnly declare that

Allan McGillivray 12 days @ 35.00 per day	420.00
Orlin McClelland 20 days @ 35.00 " "	700.00
Lorne McClelland 20 " @ 35.00 " "	700.00
J. J. Boldy 20 days @ 35.00 " "	700.00
Andre Chenier 8 days @ 30.00 " "	240.00
Sherwin Kelly P. Eng. examination and supervision	800.00
W A McClelland 20 days @ 40.00 per day	8.00 00
Fuses, sundries 149.00 plastic flagging 12.00	161.00
3 drums gas (45 gal) ½ case 30 oil	63.00
soil sampling 3 days, Orlin and Lorne McClelland	210.00
Cabin rented 20 days	144.00
Magnetometer rental 20 days	109.00
Total	4,947.00

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City of Vancouver, in the Province of British Columbia, this 1st day of Dec. 1970, A.D.

J. J. Boldy

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.
Sub-mining Recorder

PHONE 688-8586

CREST LABORATORIES (B.C.) LTD.

B.C. REGISTERED ASSAYERS
GEOCHEMISTS

1068 HOMER STREET,
VANCOUVER 3, B.C.

Sept. 11, 1970.

Cariboo Gold Quartz Mining Co. Ltd.
806 - 475 Howe Street
VANCOUVER, B.C.

Lot No. 354G: Geochemical Analysis for Copper:

Mesh Size: -80
Analytical Method: Atomic Absorption
Digestion Method: $HNO_3 + HClO_4$

Sample Number:	Copper ppm	Sample Number:	Copper ppm	Sample Number:	Copper ppm
L16 28W	32	L16 49W	30	L19 43W	17
29	40	50	20	L22 38W	10
30	18	51	35	39	17
31	21	52	23	40	40
32	26	53	19	41	42
33	58	54	16	42	26
34	20	55	30	43	25
35	13	56	18	44	12
36	15	57	18	45	13
37	22	58	22	46	13
38	23	59	13	L25 24W	9
39	27	60	12	25	52
40	20	L19 34W	41	28	14
41	50	35	11	29	16
42	13	36	18	30	255
43	29	37	16	31	22
44	No Sample	38	11	45	20
45	17	39	16	46	44
46	52	40	34	47	24
47	23	41	29	48	22
48	67	42	6	49	15

Cariboo Gold Quartz Mining Co. Ltd.
Lot No. 354 G
Sept. 11, 1970.
Page 2...

Sample Number:	Copper ppm	Sample Number:	Copper ppm
L25 51W	12	L31 12W	6
52	23	10W	7
53	6	11W	10
54	28	13W	6
55	10	14W	6
56	31	15W	29
57	12	16W	13
L28 15W	28	17W	30
16	7	18W	38
17	6	19W	11
18	8	L25 26W	10
19	14	27W	10
28	9		
29	10		
30	20		
31	15		
32	9		
33	12		

Yours truly,
CREST LABORATORIES (B.C.) LTD.,

Bruce Graham

Bruce Graham
Chemist

BG:mk

STATEMENT

SHEPHERD ENTERPRISES LTD.

P. O. Box 625 Rossland, B. C. Phone (604) 362-7328

Cariboo Gold Quartz Mines Ltd.,

C/@o F. L. Crouteau,

1910-1055 West Hastings,
Vancouver, B. C.

Period

Property Kelowna B. C.

Invoice No. 1600

Date October 30, 1970.

To Diamond Drilling;

Hole # 1 Report # 1559 528 feet.

528 ft. @ $10.00 per ft.	$5,280.00
16 hrs. standby time.....	$ 256.00
8 sheets plywood for core box covers.....	$ 19.23
30 core boxes @ $3.00 each.....	$ 90.00
Cutting charge by Carpenter shop for covers.....	$ 5.00
Hauling core to Kelowna & Rossland.....	N/C
To Mobilization.....	$1,000.00
5% tax on core boxes.....	$ 4.50
To D8 cat building drill set and D6 moving drill out...	$ 250.00
	$6,904.73

OK for payment

Engineering Approval J. R. Crouteau Date Nov. 3/70

SE-3

P. O. Box 217
Merritt, B. C.
November 2, 1970

IN ACCOUNT WITH THE CARIBOO GOLD QUARTZ MINING CO. LTD. (N.P.L.)

Cariboo Gold Quartz Mining Co. Ltd.
806-475 Howe Street
Vancouver 1, B. C.

Rates from August 14, 1970 to September 24, 1970

Cutting line and doing magnetometer survey.

First cheque paid

20 line miles cut and mag. reading
Rate $175.00 per mile
Total.....$ 3,500.00

Second cheque paid

11 3/4 line miles cut
Rate $175.00 per mile
Total.....$ 2,056.25

Closing in high readings
Total.....$ 100.00

Total received.....$ 5,656.25

W. A. McClelland

WAM/am

W. A. McClelland

In Account With:

Cariboo Gold Quartz Mines Ltd.
Room 806 - 475 Howe St.
Vancouver, B.C.

Geological Services re "Roy" claims October 21, 26, 28	$450.00
Transportation	92.00
Meals	8.00
Parking	6.00
U-Drive Transportation - Kelowna	26.33
Supplies to transport samples	1.00
	$583.33

Paid
NOV 17/70

F. L. Croteau

November 5, 1970

FLC:ih

In Account with:

Cariboo Gold Quartz Mines Ltd.
Room 806, 475 Howe Street
Vancouver, B.C.

Geological Services re Geophysical survey - September 9	$ 50.00
Telephone charges - Quesnel	4.20
Assays Geochemical	120.00
Maps	2.00
	$176.20

F. L. Croteau

Paid Oct 15/70

F. L. CROTEAU LTD.

GEOLOGICAL ENGINEERING

24 August 1970

In Account with

Cariboo Gold Quartz Mines Ltd.
Room 806
475 Howe Street
Vancouver, B.C.

Re: Boicey Claims - "Roy" Group

Geological Services July 14, 17, 30	$275.00

F. L. Croteau

Received payment
Aug 26/70

1910 - 1055 W. HASTINGS ST., • VANCOUVER 1, B.C. • BUSINESS 682 - 6885 • RESIDENCE 733 - 8708

Merritt B.C.
P.O. Box 217
Nov 2. 1970

Statement of account with
Cariboo Gold Quartz Mining Co Ltd.
work done on the Ray Group.
Hamby Lake B.C.

Wages paid to the following.

Allan McCuaig.
Colin McClelland
Lorne McClelland
Andre Chenier.
Bud Johnston.
W.A. McClelland.
Shawn Kelly.
Jack Bowser $4091.60

Reason for payment

Cutting line and running Magnetometer survey. 20 line miles $3.500.00
Cutting line and running Magnetometer survey, soil sampling, closing in high readings $2.156.25

W.A. McClelland

Aug 24 / 70

For Services Rendered

I received on the above date the sum of $35.00 re. Services done on the Roy Group of claims at Lumby Lake B.C. Detailed report to follow.

W. A. McClelland

Box 217
Merritt, B. C.
August 25, 1970

IN ACCOUNT WITH

Cariboo Gold Quartz Mining Co. Ltd.
675 West Hastings
Vancouver, B. C.

For running a magnetometer survey, cutting line, and soil sampling.

Rate - $175.00 per mile

Amount completed to date - 20 miles

Total amount this billing - $ 3,500.00

Amount paid in full to date.....$ 3,500.00

W. A. McClelland

WAM/am

Bank of Montreal
500-520 Granville Street
Vancouver 115, B.C.

Current Account

September 22, 1970 19 No. 1571

Pay to the order of ..... W. A. McCLELLAND ..... $ 2,156.25

/100 Dollars

THE CARIBOO GOLD QUARTZ MINING CO. LTD. (N.P.L.)

PAID
BANK OF MONTREAL

J. R. Morris

:00040-00 1: 1036-448 :0000215625:

Bank of Montreal
500-520 Granville Street
Vancouver 115, B.C.

Current Account

August 24, 1970 19 No. 1543

AUG 25 1970

Pay to the order of ..... W. A. McCLELLAND ..... $ 3,500.00

/100 Dollars

THE CARIBOO GOLD QUARTZ MINING CO. LTD. (N.P.L.)

PAID
MONTREAL

J. R. Morris

:00040-00 1: 1036-448 :0000350000: