LAND 52-160

ASSESSMENT REPORTS

MAP No. 95 N 12 TYPE OF WORK: Geochemical Soil Survey

REPORT FILED UNDER	Cerro Mining Co. of Canada Ltd.
DATE PERFORMED	July 15 - Aug 5, 1971 DATE FILED: 15 Oct 71 (W.L.)
LOCATION – LAT.	62° 40 N' West side of Coates Lake, approx. 200 mi.
LONG.	126° 45' W north of Watson Lake
CLAIM Nos.	RAY
	RUBY
	LISA
	SP
WORK DONE BY	B. W. Smee - Barringer Research Limited endorsed by D.K. Mustard, P.Eng
WORK DONE FOR	Cerro Mining Company of Canada Limited
REMARKS	This extension of earlier soil geochemical surveys on Lower Cambrian
	Rapiton Fm. and earlier, cupriferous Cleo and Jan Marie sediments
	revealed three areas of interest. Geological mapping and re-inter-
	pretation of present geological data is recommended.
	#8176.71

GEOCHEMICAL SOIL SURVEY

ON THE

RAY, RUBY, LISA AND SP CLAIMS

REDSTONE RIVER AREA, N.W.T.

FOR

CERRO MINING CO. OF CANADA LTD.

AREA LOCATED - 62°40'N, 126°45'W

N.T.S. REFERENCE - 95 N 12

SURVEY DATES - July 15 - Aug. 5, 1971

PREPARED BY

B. W. SMEE

BARRINGER RESEARCH LIMITED

1170 HORNBY STREET

VANCOUVER, B.C.

ENDORSED BY

D. K. MUSTARD, P. ENG.

CERRO MINING COMPANY OF CANADA LIMITED

SEPTEMBER 1971

CONTENTS

LIST OF DRAWINGS

1. INTRODUCTION

A geochemical soil survey was carried out on the Ray 25 to 28 claims inclusive; Ray 34 and 35 claims; Ruby 1 and 2 claims; Ruby 13 to 15 inclusive; Ruby 26 to 31 claims inclusive; Liz 1 to 4 inclusive; 7 to 36 inclusive; Lisa 1 to 9 inclusive; 12 to 19 inclusive; 22 to 25 inclusive; and the SP 37 and SP 40 claims by Barringer Research Limited during the period of July 15th to August 5 inclusive. A total of 1033 samples were collected by R. Ficek of Toronto, Ontario and G. Rowe of North Vancouver, B.C. This survey followed and expanded soil geochemistry which was carried out in 1970 by Barringer Research Limited.

The purpose of the survey was to follow up areas of interest found in the 1970 geochemical soil and stream sediment survey and to extend and close off those anomalies. The same base line was used as in 1970, with sample lines being extended to the west. Samples were once again taken on 800 foot line spacings and 200 foot stations.

The claim groups are situated on the west side of Coates Lake, approximately 200 miles north of Watson Lake, Yukon. Access is by aircraft from Watson Lake or Norman Wells. The area surveyed is steep to the west near Crowberry Creek, and is fairly bush-free at the higher elevations.

30′ 15′ 127°00′ 45′ 30′ 15′

Redstone River

North

63°00′

N.T.S. Ref.
95M 95N

63°00′

0 4 8
Miles

South

Redstone River

SURVEY AREA

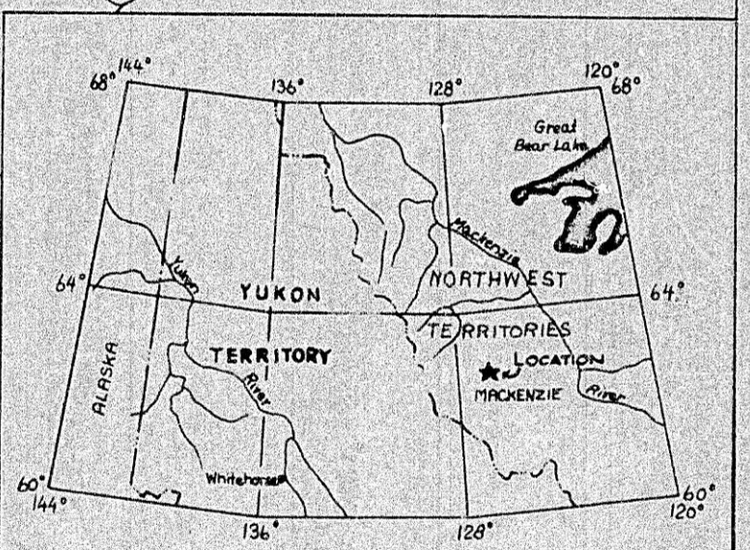
45′

M A C K E N Z I E

Little Dal Lake

45′

30′ 15′ 127°00′ 45′ 30′ 15′



N
A

PROFESSIONAL ENGINEER
DRAWING
ONTARIO

Work undertaken by
BARRINGER RESEARCH LTD, Toronto, Canada.

CERRO MINING CO. OF CANADA LTD.

REDSTONE PROPERTY N.W.T.

LOCALITY PLAN

Sept 1971 | DWG. 4-151-1

2. GEOLOGY

The claims are underlain by the Lower Cambrian Rapitan Formation, and possibly Precambrian Cleo and Jan Marie Formations. The Rapitan Formation consists of quartzite, siltstone, sandstone, and conglomerate with some minor copper mineralization near the base. The Cleo Formation is a black, bedded limestone with some bedded copper mineralization. The Jan Marie Formation lies stratigraphically below the Cleo Formation and consists primarily of copper bearing siltstone and mudstones. Bedded copper, showing as a malachite stain, appears near the contact between the Jan Marie and Cleo Formations. In most cases, the copper bearing beds are associated with a rusty weathering series known locally as the "red beds" in the Jan Marie Formation. Outcrop is scarce in the eastern sectio of the group, near the lake, but is good to the west at higher elevations. Mineralized float has been found in the western portion of the claim group.

3. SOIL

The soils generally consist of a thick layer of silty organics underlain by a grey to brown clay. The thickness of the organic layer increases from west to east. Spots of podzolic soil appear from place to place, although no pattern of occurrence was noted. As Crowberry Creek was approached, soils became quite sandy. In some steep areas talus samples were collected. All soil samples were taken from the B horizon whenever possible and samples from the silty organic horizon were avoided. Samples were taken by grub-hoe and packaged in heavy kraft paper envelopes.

4. ANALYSIS

The soil samples were sent to Barringer Research Laboratory in Vancouver where they were analysed for perchloric acid soluble copper. The samples were oven dried, sieved to -80 mesh with nylon screening, and a 0.25 gram cut was taken. The cut was digested in perchloric acid and analysed by atomic absorption. The analysis was performed by Mr. Dave Koop.

5. RESULTS

The statistics for copper appear in TABLE 1 and the histogram for copper is FIG. 1.

TABLE 1

	ppm Cu
BACKGROUND	0 - 119
THRESHOLD	120
3RD ORDER ANOMALY	121 - 159
2ND ORDER ANOMALY	160 - 199
1ST ORDER ANOMALY	200

The threshold for copper is slightly lower than that used in 1970, but the difference between the data sets for the two years is small and does not interfere with the interpretation.

There are three areas of anomalous copper value found by this survey. The first extends from line 32S to 136S and is open to the west, which is a steep slope. This anomaly ties in with the anomaly found in the 1970 survey, and extends it upslope and to the north. At this time, it is felt that the anomaly is due to mineralization located in the lower Rapitan Formation, but a possibility exists that the Jan Marie Formation may lie at or close to the surface in the upslope direction and may be responsible for the high copper values. The elongated anomaly pattern suggests that the copper is moving in solution downslope, and that the source has not been covered yet.

The second anomaly lies on lines 24N and 40N at 16E. The slope is to the north, into the Redstone River valley. This anomaly lies on or close to the change of slope, and is very near to Bedrock. The geology of this area is not known at this time, but the similarity of these values with those

HISTOGRAM OF PERCHLORIC ACID SOLUBLE COPPER

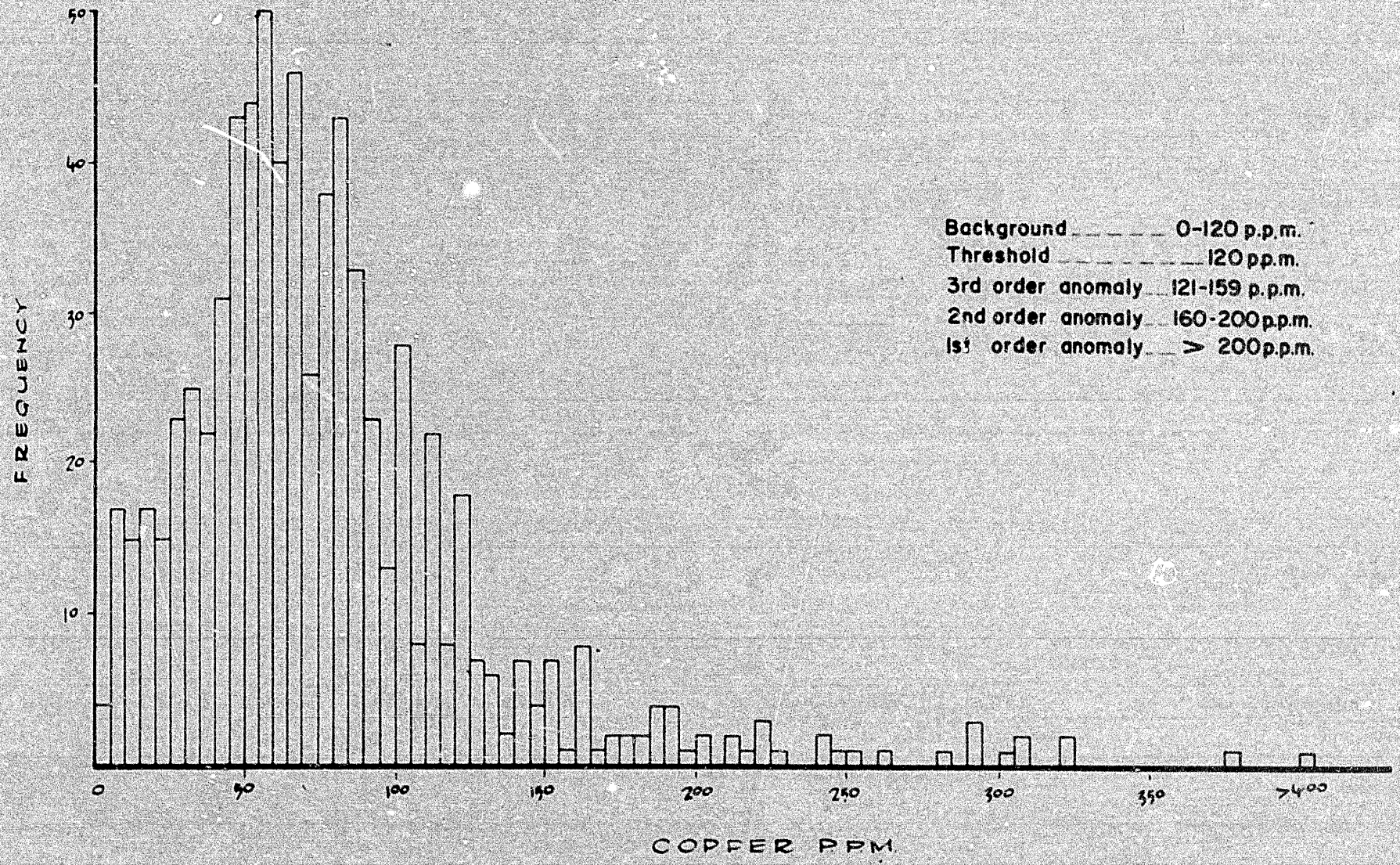


Fig-1

recorded to the south would indicate a lower Rapitan type of mineralization rather than the more massive type of Jan Marie.

The third anomaly is centered on lines 32N and 40N at 96W. There are some fairly high values in this anomaly, one being 500 ppm copper. This anomaly also appears to be elongated in a downslope direction towards Crowberry Creek. This area should be checked in the field by a geologist, for there is a possibility that the Cleo and Jan Marie Formations may be upfaulted in the vicinity.

6. CONCLUSIONS AND RECOMMENDATIONS

1. Reconnaissance geological mapping should be carried out on the ridge above the third anomaly, that is to the west of 96W at 32N to 40N. The high copper values should be explained fairly easily by this mapping.

2. If the above mapping indicates the presence of the Cleo or Jan Marie Formations, of sufficient mineralization in the Lower Rapitan, then the claim group should be extended to the west.

3. It is suspected that once the present geological information is plotted, the other geochemical highs will be attributed to minor mineralization in the Lower Rapitan, therefore no further geochemical work in this area is recommended.

4. The anomalies found by the 1970 stream sediment programme in Crowberry Creek and its tributaries have been defined in the soil and no further geochemical stream work in this area is recommended.

5. If emphasis is shifted from copper mineralization in the Cleo and Jan Marie Formations to finding economic copper in the Lower Rapitan, then the 1970 stream sediment anomalies found north of the South Redstone River should be followed up by geology and further geochemical work.

Submitted by,

BARRINGER RESEARCH LIMITED

B. W. Smee
Geochemist

Endorsed by,

CERRO MINING COMPANY OF CANADA LIMITED

D. K. Mustard, P. Eng.

8. LABORATORY REPORTS

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE August 4, 1971

Cerro Mining Co. of Canada,
401-1111 W. Georgia,
Vancouver, B.C.

c.c. Dave Stone

Authority: B.W. Smee

Project No. 1

REPORT NUMBER 136 B

gmH.

SAMPLE NUMBER	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
24S16W	44		24S 56W	65		32S 52W	79		40S 44W	100
18W	60		24S 57W	76		54W	84		46W	100
20W	74		32S 16W	6		56W	100		48W	320
22W	52		18W	21		58W	68		50W	140
24W	66		20W	24		60W	100		52W	140
26W	75		22W	68		32S 62W	52		54W	86
28W	51		24W	25		40S 16W	42		56W	83
30W	58		26W	110		18W	8		58W	100
32W	61		28W	130		20W	14		60W	66
34W	59		30W	34		22W	63		62W	100
36W	56		32W	94		24W	160		64W	74
38W	78		34W	93		26W	140		66W	87
40W	81		36W	69		28W	130		68W	65
42W	47		38W	55		30W	100		70W	76
44W	45		40W	65		32W	66		72W	79
46W	105		42W	120		34W	210		48S 16W	47
48	80		44W	80		36W	95		18W	22
50	81		46W	86		38W	54		20W	7
52	91		48W	92		40W	38		22W	100
24S54W	48		32S 50W	65		40S 42W	18		48S 24W	65

BARRINGER RESEARCH LIMITED

304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE February 15,

B. P. Oil Limited
1980 Sherbrooke Street West
Montreal 109, Quebec

Authority: Ross N. Aitken

REPORT NUMBER 28

SAMPLE NUMBER	Total Cu ppm	Total Pb ppm	Total Zn ppm	Total Ni ppm	Total Mn ppm	Total Mo ppm	KCN Ag ppm			
03-2-00006	110	140	140	77	275	2	1.5			
00057	4	15	19	8	200	<2	<.1			
01125	6	17	28	15	725	<2	.1			
01144	8	13	25	10	275	<2	<.1			
01357	2	8	16	8	300	<2	<.1			
01359	2	8	16	16	150	<2	<.1			
01374	7	9	34	20	1100	<2	<.1			
01380	3	13	24	19	400	<2	<.1			
01395	4	17	32	17	325	<2	<.1			
01403	2	14	23	3	125	<2	<.1			
01406	2	11	25	5	125	<2	.1			
01421	5	16	20	10	75	<2	.1			
02030	4	13	23	14	175	<2	.1			
02391	2	18	22	12	250	<2	.1			

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	H
48S 26W	110		48S 80W	69		80S 20W	35		96S 26W	
28W	86		56S 16W	120		22W	150		28W	
30W	44		18W	91		24W	220		96S 30W	
32W	210		20W	83		26W	300		104S O.B.L.	
34W	105		22W	88		28W	320		2W	
36W	160		24W	110		80S 30W	33		4W	
38W	190		26W	89		88S 16W	74		6W	
40W	58		28W	36		18W	83		8W	
42W	290		30W	120		20W	79		10W	
44W	54		64S 16W	56		22W	87		12W	
46W	115		18W	88		24W	68		14W	
48W	86		20W	110		26W	87		16W	
50W	110		22W	100		28W	13		18W	
52W	185		24W	23		88S 30W	180		20W	
54W	375		26W	57		96S O.B.L.	78		22W	
56W	170		28W	120		2W	16		24W	
58W	150		30W	105		4W	10		26W	
60W	88		72S 16W	73		6W	190		28W	
62W	87		18W	85		8W	140		104S 30W	
64W	115		20W	18		10W	33		112S O.B.L.	
66W	295		22W	91		12W	120		2W	
68W	120		24W	53		14W	28		4W	
70W	105		26W	90		16W	34		6W	
72W	84		28W	225		18W	52		8W	
74W	66		30W	120		20W	72		10W	
76W	125		80S 16W	160		22W	94		12W	
48S 78W	110		80S 18W	215		96S 24W	57		112S 14W	

Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm
112S 16W	49	128S 6W	50	136S 28W	48
18W	170	8W	91	30W	69
20W	110	10W	140	144S B.L.	54
22W	120	12W	150	2W	105
24W	95	14W	160	4W	83
26W	34	16W	100	6W	86
28W	130	18W	46	8W	59
112S 30W	86	20W	49	10W	89
120S O.B.L.	125	22W	68	12W	61
2W	67	24W	61	14W	58
4W	100	26W	90	16W	59
6W	240	28W	83	18W	73
8W	83	30W	120	20W	64
10W	18	136S B.L.	58	22W	77
12W	240	2W	180	24W	110
14W	185	4W	40	26W	59
16W	115	6W	62	28W	95
18W	105	8W	89	144S 30W	83
20W	110	10W	63		
22W	290	12W	75		
24W	125	14W	19		
26W	120	16W	120		
28W	140	18W	9		
30W	150	20W	105		
128S B.L.	75	22W	41		
2W	110	24W	120		
128S 4W	145	136S 26W	125		

Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm
112S 16W	49	128S 6W	50	136S 28W	48
18W	170	8W	91	30W	69
20W	110	10W	140	144S B.L.	54
22W	120	12W	150	2W	105
24W	95	14W	160	4W	83
26W	34	16W	100	6W	86
28W	130	18W	46	8W	59
112S 30W	86	20W	49	10W	89
120S O.B.L.	125	22W	68	12W	61
2W	67	24W	61	14W	58
4W	100	26W	90	16W	59
6W	240	28W	83	18W	73
8W	83	30W	120	20W	64
10W	18	136S B.L.	58	22W	77
12W	240	2W	180	24W	110
14W	185	4W	40	26W	59
16W	115	6W	62	28W	95
18W	105	8W	89	144S 30W	83
20W	110	10W	63		
22W	290	12W	75		
24W	125	14W	19		
26W	120	16W	120		
28W	140	18W	9		
30W	150	20W	105		
128S B.L.	75	22W	41		
2W	110	24W	120		
128S 4W	145	136S 26W	125		

Cerro-Redstone Project
Project Number: 151.34

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE August 16, 1971

Cerro Mining Co. of Canada
401 - 1111 West Georgia
Vancouver, B.C.

c.c. Barringer Research Limited

Authority: B. W. Smee

REPORT NUMBER 146-B

ymh.

SAMPLE NUMBER	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
0 50W	93		0 90W	69		8N			8N	
52	65		92	45		56W	59		94W	56
54	14		94	150		58	42		96	69
56	33		96	5		60	53		98	34
58	65		98	10		62	58		100	29
60	63		100	79		64	45		102	41
62	48		102	28		66	57		104	45
64	51		104	110		68	100		106	54
66	40		106	57		70	59		108	95
68	51		108	54		72	42		110	67
70	52		110	88		74	37		16N	
72	32		8N			76	38		36W	68
74	65		40W	66		78	35		38	77
76	44		42	55		80	130		40	73
78	50		44	67		82	130		42	56
80	10		46	77		84	185		44	55
82	46		48	61		86	77		46	63
84	21		50	39		88	23		48	75
86	44		52	48		90	32		50	41
88	5		54	60		92	46		52	52

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
16N54W	63		16N			24N			24N	
56	34		108W	17		14W	80		66W	120
58	10		110	49		16	28		68	81
60	39		24N			18	44		70	155
62	64		2E	195		20	39		72	67
64	69		4	105		22	46		74	82
66	85		6	83		24	52		76	49
68	110		8	175		26	43		78	125
70	72		10	220		28	44		80	29
72	64		12	170		30	70		82	28
74	54		14	160		32	65		84	36
76	79		16	120		34	79		86	53
78	64		18	120		36	90		88	67
80	120		20	27		38	54		90	89
82	8		22	135		40	74		92	125
84	30		24	81		42	19		94	24
86	6		26	95		44	48		96	74
88	12		28	7		46	7		98	23
90	14		30	35		48	41		100	48
92	93		24N			50	50		102	21
94	28		B.L.	220		52	58		104	90
96	53		2W	56		54	59		106	95
98	55		4	95		56	54		108	87
100	19		6	105		58	48		110	60
102	33		8	15		60	61		32N	
104	42		10	87		62	54		2E	95
106	260		[illegible]	110		64	[illegible]		[illegible]	[illegible]

Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm
32N 6E	90	32N		32N		40N	
8	90	28W	100	80W	185	30E	82
10	95	30	19	82W	190	BL	45
12	88	32	26	84	280	2W	23
14	83	34	56	86	200	4	28
16	90	36	36	87.5	160	6	25
18	72	38	57	90	310	8	46
20	55	40	46	ROCK 92W	260	10	19
22	90	42	49	94	82	12	48
24	120	44	39	96	250	14	48
26	90	46	41	98	105	16	50
28	83	48	55	100	245	18	35
30	85	50	41	40N		20	40
32N BL	80	52	45	2E	110	22	42
2W	88	54	48	4	64	24	67
4	76	56	70	6	55	25	10
6	71	58	30	8	81	26	N.
8	73	60	22	10	160	28	58
10	56	62	34	12	100	30	43
12	55	64	37	14	145	32	39
14	49	66	39	16	145	34	62
16	53	68	31	18	150	36	58
18	46	70	64	20	145	38	57
20	115	72	31	22	95	40	70
22	77	74	42	24	88	42	13
24	58	76	39	26	83	44	78
26	68	78	79	28	86	46	60

Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number	$HClO_4$ Cu ppm	Sample Number
40N48W	82	48N		48N		48N
50	54	4W	46	56W	56	108W
52	47	6	40	58	68	110
54	64	8	28	60	95	56N
56	82	10	53	62	115	BL
58	76	12	32	64	56	2W
60	67	14	37	66	59	4
62	44	16	83	68	54	6
64	72	18	48	70	80	8
66	77	20	70	72	200	10
68	12	22	67	74	82	12
70	7	24	85	76	87	14
72	8	26	3	78	75	16
76	25	28	60	80	100	18
78	100	30	57	82	6	19
80	N.S.	32	15	84	165	22
82	100	34	59	86	3	24
84	500	36	15	88	100	26
86	24	38	115	90	87	28
88	N.S.	40	60	92	45	30
90	190	42	68	94	76	32
92	175	44	86	96	6	34
94	135	46	62	98	6	36
96	48	48	64	100	19	38
98	120	50	72	102	21	40
48NOW	44	52	58	104	60	42
2	40	54	52	106	34	44

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
56N46W	65		56N			64N			64N	
48	62		100W	125		40	31		90W	82
50	48		102	10		42	44		92	100
52	45		104	140		44	82		94	110
54	42		106	4		46	29		96	93
56	79		108	80		48	55		98	95
58	82		110	40		50	49		100	110
60	78		64N			52	63		102	115
62	77		BL	32		54	48		104	110
64	68		2W	28		56	68		106	36
66	58		4	34		58	68		108	170
68	28		6	51		60	64		110	125
70	76		8	64		60	25		72N	
72	63		10	21		62	53		BL	51
74	110		12	17		64	61		2W	56
76	93		14	43		66	59		4	43
78	82		16	17		68	58		6	20
80	74		18	48		70	77		8	56
82	82		20	50		72	79		10	49
84	86		24	58		74	71		12	10
86	110		26	53		76	71		14	27
88	100		28	44		78	120		16	34
90	45		30	58		80	45		18	16
92	110		32	46		82	40		20	28
94	74		34	44		84	81		24	71
96	88		36	48		86	83		26	59
98	90		38	50		88	78		28	68

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	HC Cu pp
72N30W	9		72N			80N			80N	
32	70		84W	65		22W	62		74W	
34	60		86	75		24	44		76	
36	77		88	50		26	60		78	
38	63		90	67		28	50		80	
40	12		92	73		30	61		82	
42	9		94	100		32	56		84	
44	60		96	105		34	16		86	
46	30		98	100		36	4		88	
48	11		100	100		38	81		90	
50	55		102	95		40	19		92	
52	74		104	130		42	45		94	
54	50		106	78		44	31		96	
56	46		108	90		46	55		98	
58	42		110	135		48	43		100	
60	66		80N			50	25		102	
62	N.S.		BL	9		52	50		104	
64	67		2W	20		54	27		106	
66	72		4	50		56	55		108	
68	81		6	95		58	49		110	
70	66		8	71		60	11		88N	
72	100		10	37		62	58		BL	
74	40		12	6		64	58		2W	
76	83		14	28		66	52		4W	
78	78		16	15		68	80		6	
80	100		18	26		70	65		8	
82	95		20	38		72	57		10	

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
88N12W	34		88N			96N			96N	
14	59		68W	42		6W	30		60W	43
16	19		70	53		8	4		62	53
18	51		72	44		10	3		64	49
20	90		74	45		12	5		66	25
22	54		76	67		14	6		68	39
26	57		78	62		16	48		70	51
28	87		80	63		18	8		72	61
30	52		82	62		20	43		74	49
32	63		84	68		22	130		76	55
34	36		86	80		24	65		78	59
36	21		88	33		26	39		80	34
38	50		90	84		28	43		82	49
40	23		92	64		30	65		84	51
42	17		94	82		34	65		86	45
44	44		96	83		36	65		88	40
46	63		98	79		38	59		90	40
48	12		100	74		40	46		92	41
50	24		102	81		42	65		94	36
52	24		104	150		44	57		96	46
54	47		106	100		46	28		98	26
56	40		108	81		48	19		100	43
58	41		110	72		50	67		102	47
60	49		96N			52	32		104	47
62	36		BL	30		54	31		106	43
64	58		2W	36		56	60		108	49
66	42		4	34		58	44		110	94

Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm		Sample Number	$HClO_4$ Cu ppm
8S 62W	59		16S			16S			24S	
64	42		56W	67		108W	27		104W	43
66	50		58	60		110	12		106	32
68	62		60	60		24S			108	27
70	49		62	65		58W	N.S.		110	12
72	57		64	61		60	60			
74	47		66	59		62	63			
76	79		68	41		64	80			
78	9		70	84		66	76			
80	50		72	74		68	81			
82	55		74	62		70	62			
84	53		76	69		72	45			
86	37		78	55		74	73			
88	105		80	54		76	71			
90	34		82	66		78	72			
92	32		84	71		80	57			
94	51		86	70		82	66			
96	62		88	76		84	64			
98	43		90	72		86	65			
100	52		92	69		88	70			
102	51		94	130		90	72			
102	26		96	84		92	70			
104	48		98	66		94	110			
106	38		100	170		96	80			
108	61		102	85		98	64			
110	42		104	42		100	170			
16S54W	61		106	31		102	83			

T37580 Pts 4 | T37585 | T37586 | T37459 | T37458 | T37457 | T37456 — 96N

T37583 | T37582 | T37581 | T37450 | T37451 | T37452 | T37453 — 88N

T37578 | T37579 | T37580 | T37449 | T37600 | T37599 | T37598 — 80N

T37577 | T37576 | T37575 | T37592 | T37593 | T37594 | T37595 — 72N

T37572 | T37573 | T37574 | T37591 | T37590 | T37589 | T37588 | T37587 | 33403 — 64N

T37571 | T37570 | T37569 | T77985 | T77978 | T77977 | T77976 | T77975 | 34406 — 56N

T37566 | T37567 | T37568 | T77984 | T77980 | T77979 | T77974 — 48N

40N | 32N | 24N | 16N | 8N

BASE LINE

Claudberry Creek

LEGEND

Background	0-119 ppm
Threshold	120 "
3rd Order Anomaly	120-159 "
2nd " "	160-199 "
1st " "	> 200 "

INDEX

A
B
C

Work undertaken by BARRINGER RESEARCH LTD, Toronto, Canada

CERRO MINING COMPANY OF CANADA LTD.

REDSTONE RIVER AREA, N.W.T.

GEOCHEMICAL SOIL SURVEY
TOTAL COPPER

Sept 1971	Scale 1" = 400'	DWG. 4-151-2A

T37566 T37567 T37568 T77984 T77980 T77979 T77974

T37565 T37564 T37563 T77983 T77982 T77981 T77972

T37557 T37558 T37559 T37560 T37561 T37562 T77970

T37555 T37554 T37553 T37552 T37551 T77968

T37549 T37548 T37547 T37546 T37545 T77966

T37534 T77964

T37533 T77962

T37531 T37532

Crowberry Creek

BASE LINE

00 85 165 245 325 405 485 565 645 725 805 885 965

LEGEND

Background	0-119 ppm
Threshold	120 "
3rd Order Anomaly	120-159 "
2nd " "	160-199 "
1st " "	> 200 "

INDEX

A
B
C

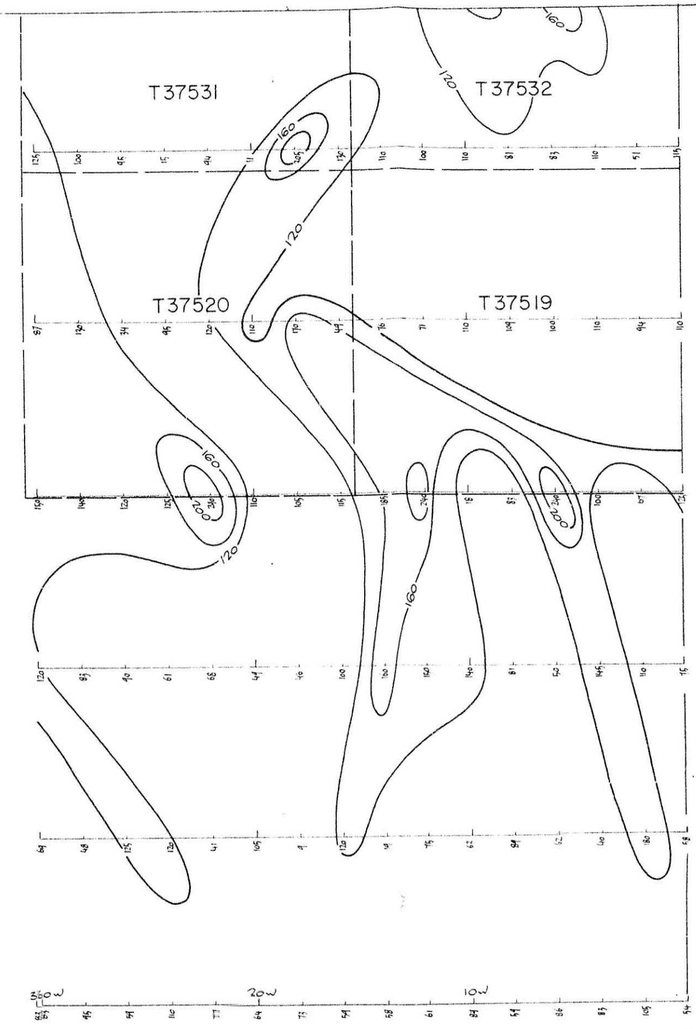
Work undertaken by
BARRINGER RESEARCH LTD, Toronto, Canada

CERRO MINING COMPANY OF CANADA LTD.

REDSTONE RIVER AREA, N.W.T.

GEOCHEMICAL SOIL SURVEY
TOTAL COPPER

Sept 1971	Scale 1" = 400'	DWG. 4-151-2B



10 104S

112 112S

120 120S

128 128S

136S

144 144S

50W 20W 10W

LEGEND

Background	0-119 ppm
Threshold	120 "
3rd Order Anomaly	120-159 "
2nd " "	160-199 "
1st " "	> 200 "

INDEX

A
B
C

N

—A—

Work undertaken by
BARRINGER RESEARCH LTD, Toronto, Canada.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D.K. MacTAVISH

CERRO MINING COMPANY OF CANADA LTD.

REDSTONE RIVER AREA, N.W.T.

GEOCHEMICAL SOIL SURVEY
TOTAL COPPER

Sept. 1971	Scale 1" = 400'	DWG. 4-151-2C