84-1409— 13318
12/85

GEOCHEMICAL REPORT

ON THE

Gaza 1, Gaza 2 and Jericho 1 Mineral Claims

KAMLOOPS MINING DIVISION

HIGHLAND VALLEY

NTS SHEET 92I/7

Latitude 50° 27' N
Longitude 120° 55' W

Owners: National Trust Company Limited
510 Burrard Street,
Vancouver, B.C. V2C 2J7

Mt. Calvery Resources Limited
Ste. 1027 - 470 Granville Street,
Vancouver, B.C.

Gaza Mines Limited
189 Elm Street,
Beaverton, Ontario

OPERATED BY HIGHMONT OPERATING CORPORATION

P.O. Box 3000
Logan Lake, B.C. V0K 1W0

Consultant: W.R. Bergey
Chief Geologist of
Teck Exploration Ltd.

REPORT PREPARED BY:

Louis H. C. Tsang
December 12, 1984

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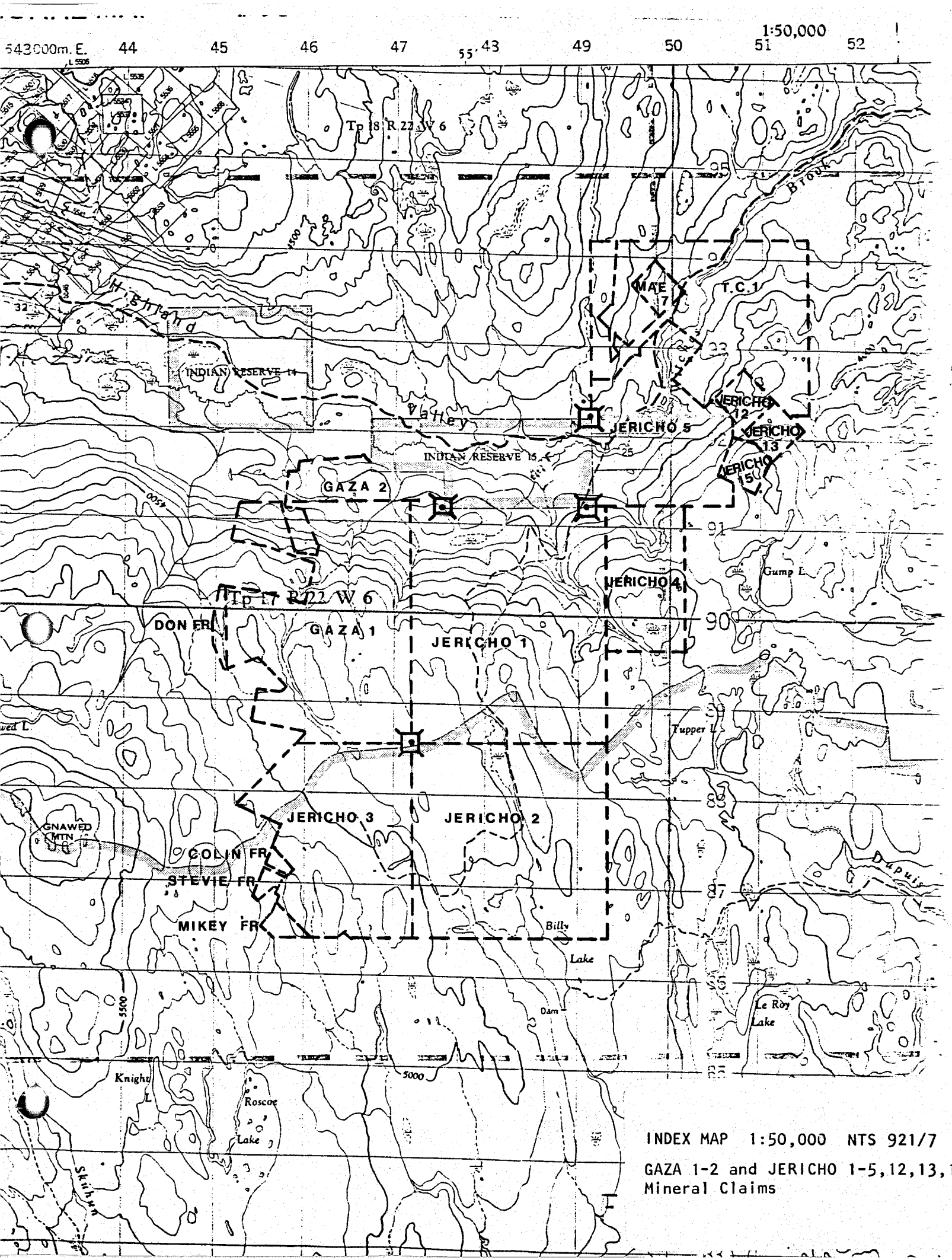
543000m. E.
44
45
46
47
55
43
49
50
51
52
1:50,000
Tp 18 R 22 W 6
Highland
Valley
INDIAN RESERVE 14
INDIAN RESERVE 15
MAE 7
T.C.1
JERICHO 5
JERICHO 12
JERICHO 13
JERICHO 15
GAZA 2
JERICHO 4
Gump L.
Tp 17 R 22 W 6
DON FR.
GAZA 1
JERICHO 1
Tupper L.
JERICHO 3
JERICHO 2
GNAWED MTN
COLIN FR.
STEVIE FR.
MIKEY FR.
Billy Lake
Dam
Le Roy Lake
Dupuis
Knight L.
Roscoe Lake
Skihist
5500
5000
INDEX MAP 1:50,000 NTS 921/7
GAZA 1-2 and JERICHO 1-5,12,13,15
Mineral Claims

GEOCHEMICAL REPORT

ON THE

GAZA 1, GAZA 2 and JERICHO 1 MINERAL CLAIMS

1. INTRODUCTION

(i) Location and Access

The Gaza - Jericho property is located approximately 58 kilometers southeast of Ashcroft, B.C., and is some 10 km southeast of Cominco's Valley Copper Division and 8 km to the east of Highmont Operating Corporation and Lornex Mines Ltd. deposits. It is situated at elevations from 1190 to 1525 metres above sea level.

Access to the survey area is by 1.5 km of bush road (suitable for 4-wheel drive vehicles), which leaves the Ashcroft - Logan Lake highway between Indian Reserves #14 and #15 and crosses Witches Brook by a narrow log bridge.

The drilling area is approximately 2½ km southeast of Cominco's "J.A." mineralization zone, 1.5 km northeast of the Gaza "Gap" mineralization showing and 1.5 km northwest of the Jericho adit mineralization zone.

(ii) History of Gaza-Jericho Property

The property has been tested by induced polarization surveys and tunnel work, diamond and percussion drillings. Most of the exploration work was done during the period July 1963 to November 1965.

Canadian Superior Exploration Ltd. explored the Jericho property during 1966 and 1967, and both the Jericho and Gaza properties were taken under option by Tremar Mines Ltd. in 1968. Tremar conducted I.P. surveys in the vicinity of the Jericho adits and the Gaza claims, and did 1035 metres of percussion drilling in 11 drill holes on the gaza property during 1970 field season.

Highmont Mining Corporation Ltd. optioned the property from Jericho Mines Ltd. and Gaza Mines Ltd. in 1971. A drilling program was immediately launched to test the property area along the strike of the Cominco's "J.A." zone.

Drill holes were planned on a 490 metre square grid pattern, utilizing a combination of diamond and percussion drills.

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Seventeen diamond drill holes and 30 percussion drill holes were completed, with totals of 2538 metres of diamond drilling and 2926 metres of percussion drilling.

In 1979, another 502 metres of diamond drilling was done at the North and South dam foundation sites, before the construction of Highmont Tailings pond commenced. No significant mineralization was encountered in the last two drilling programs.

(iii) Summary of Work Done

Canadian Superior had conducted a geochemical survey across most of the Gaza-Jericho property in 1966 (refer to Assessment Report #922 - Jericho Property in 1966). The result showed an area of anomalous copper zones trending NW-SE, from the east end of line 64S to the west end of 136S, with some coincident anomalous molybdenum zones (+3 ppm Mo.). (see "Highmont Assessment Report #922-Jericho Property"-by R.A.Dujardin in 1966.)
The present geochemical survey was carried out to the north of these anomalous copper zones, to trace the possible extension of those zones. The soil survey lines were corresponding to the same grid system used by Canadian Superior.

The total number of soil samples collected in this survey are 173, with a total length of ground travelled 840 metres. Approximately 46% of the work was performed within Gaza 2 and Jericho mineral claims of "Jericho Link" claim group and the rest of the work was performed within Gaza 1. Therefore, the assessment work done on these two claim groups was apportioned according to the ratio above.

2. SURVEY PROCEDURE

173 samples were collected at intervals of 30.48 metres along lines spaced ranging 244 m and 122 m apart. Most of the samples were taken from the upper part of the B soil horizon at a depth of at least fifteen cm. Swamp areas were often sampled at greater depth. The samples were placed into paper envelopes and shipped to MIN-EN LABORATORIES LTD. (705 West 15th Street, North Vancouver) for chemical analysis of the copper and molybdenum content.

At Min-En the samples were processed, employing the following procedures for copper and molybdenum:

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After drying the samples at 95°C soil samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis.

1.0 gram of each sample is digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper is analysed using the C_2H_2 -Air flame combination, but the molybdenum determination is carried out by CH_2CH_2 N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

4. SURVEY RESULTS AND INTERPRETATION

Figure 2 shows the analytical values for copper and molybdenum in the soil samples on a plan map of the survey area at a scale of 1:4800 (in the envelope at the back of the report). The values of 400 ppm for copper and 7 ppm for molybdenum were chosen for anomalous values. These values were derived from the statistical analysis of sample values obtained from the last geochemical survey in the general area in July 1974 (details refer to Geochemical Assessment Report on the NAT, JAMES, DICK and HORN mineral claims - by A.J. Reed).

The 400 ppm copper isograd on figure 3 shows two anomalous areas. The only anomalous molybdenum values were found to coincide with the northern copper anomaly.

The copper isograd plan (Figure 3) shows pronounced northeasterly alignment. The survey area occupies a steep north-facing hillside drained by seasonally intermittant streams. The glacial trend in the area is from northwest to southeast. Therefore the soil sampling gives no indication of a glacial train anomaly derived from the adjacent Cominco's J-A zone.

The northern anomaly is situated on a small dissected plateau along the Highland Valley and in a swampy area. The anomaly is probably just a "drain" anomaly with a source presently unknown.

The southeastern anomaly has a pronounced northeasterly trend parallel to Gaza Gap mineralization zone. It seems that it probably represents small areas of copper mineralization similar to that occuring on the GAP showing.

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SUMMARY AND CONCLUSIONS

A Small, but clearly defined, copper anomaly has been located in the southeastern part of the survey area by soil geochemistry. This could be further explored by I.P. survey and/or by bulldozer trenching, but at the present time further development does not appear to be warranted on such a small anomaly.

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5. ITEMIZED COST STATEMENT

1.	Geochemical Sampling (Sept/84)	$ 955.02
2.	Sample Preparation & Assaying (Sept/84)	744.15
3.	Drafting	40.34
4.	Travelling and Meals (From Vancouver to Logan Lake)	832.85
	(i) W.R. Bergey — Chief Geologist, Teck Corporation (Aug-Sept/84)	
	(ii) K. McKirdy — Geological Staff, Teck Corporation (Sept/84)	
5.	Miscellaneous — Pick Axe	22.29
6.	Consulting — W.R. Bergey, Chief Geologist, Teck Corporation (Aug-Sept/84) — 12 hours @ $60/hour	720.00
7.	Preparation of Report — Louis H.C. Tsang (Nov/84), Chief Geologist, Highmont Operating Corporation	720.00
	TOTAL	$4,034.65

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6. APPORTIONMENT OF COST

1. To Gaza 2 and Jericho 1 mineral claims of "Jericho Link" group

   46% of total cost of the program $1,850

2. To Gaza 1 of "Gaza 1 - Jericho 2" group

   54% of total cost of the program $2,150

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7. Author's Certificate

I, Louis Tsang, of Logan Lake, British Columbia, do hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Sc. degree (1972) in geology and geophysics.

2. I am a member of the Geological Association of Canada.

3. I have practiced my profession since 1972 while employed by Bacon & Crowhurst Consulting Engineering Ltd., (one summer season), and by Zapata - Granby Corporation, Granisle Division (seven years).

4. Present, I am employed by Highmont Operating Corporation Ltd., Post Office Box 3000, Logan Lake, B.C.

5. I have directed the geochemical survey described herein.

Louis H.C. Tsang
Chief Geologist
Highmont Operating Corporation

K.F. Bradley, P. Eng.
Chief Engineer
Highmont Operating Corporation

APPENDIX 1

GEOCHEMICAL ANALYSIS CERTIFICATE

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MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352628

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W.BERGEY

FILE:4-1014/P1
DATE: SEPT.21/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM
L60S-46S	1	17
47W	1	14
48W	1	44
49W	1	28
50W	1	60
51W	1	106
52W	1	258
53W	NO SAMPLE	
54W	NO SAMPLE	
55W	1	136
56W	62	805
57W	1	150
58W	1	116
59W	8	425
60W	8	322
61W	22	424
62W	28	332
63W	50	315
64W	56	460
65W	160	1200
L60S-66W	80	323
L64S-41W	1	32
42W	1	13
43W	1	46
44W	1	15
45W	1	56
46W	1	48
47W	1	40
48W	2	33
L64S-49W	1	800

Certified by [signature]

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MIN-EN Laboratories Ltd.
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PHONE (604)980-5814 OR (604)988-4524 TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W. BERGEY

FILE:4-1014/P2
DATE: SEPT.21/84
TYPE:SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM	
L64S-50W	2	475	
51W	1	1760	
52W	6	3800	
53W	10	2390	
54W	1	620	
55W	1	72	
56W	NO SAMPLE		
57W	15	1780	
58W	114	270	
59W	142	615	
60W	55	640	
61W	14	960	
61W	10	640	ORG
62W	6	483	
63W	2	232	
64W	1	358	
65W	1	295	
L64S-66W	1	112	
L68S-38W	1	60	
39W	1	48	
40W	1	47	
41W	1	19	
42W	1	47	
43W	1	140	
44W	1	110	
45W	1	57	
46W	1	190	
47W	2	77	
48W	1	675	
L68S-49W	2	400	

Certified by

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GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W. BERGEY

FILE:4-1014/P3
DATE: SEPT.21/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM
L68S-50W	1	52
51W	1	165
52W	2	41
53W	1	63
54W	1	74
55W	1	48
56W	1	47
57W	1	53
58W	1	66
59W	1	89
60W	1	67
61W	1	50
62W	1	205
L68S-63W	1	135
L72S-19W	1	71
20W	1	66
21W	1	50
22W	1	325
23W	1	46
24W	1	23
25W	1	42
26W	1	43
27W	1	49
28W	1	1380
29W	1	265
30W	1	240
31W	1	110
32W	1	270
33W	1	285
L72S-34W	2	148

Certified by _____

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PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W. BERGEY

FILE: 4-1014/P4
DATE: SEPT.21/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM
L72S-35W	2	89
36W	1	45
37W	2	115
38W	1	63
39W	1	120
40W	1	80
41W	1	212
42W	1	127
43W	2	69
44W	1	57
45W	1	66
46W	1	190
47W	2	115
48W	1	70
49W	1	63
50W	1	40
51W	1	35
52W	2	220
53W	1	38
54W	1	35
55W	2	59
56W	1	54
57W	1	31
58W	1	33
59W	2	285
60W	1	83
61W	1	157
62W	1	178
63W	1	77
L72S-64W	1	192

Certified by _____

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PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W. BERGEY

FILE: 4-1014/P5
DATE: SEPT. 21/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM
L72S-65W	1	83
66W	1	103
67W	1	63
68W	1	233
L72S-69W	1	420
L80S-21W	1	155
22W	1	355
23W	1	180
24W	1	720
25W	1	273
26W	1	162
27W	2	170
28W	1	253
29W	1	345
30W	2	1200
31W	1	171
32W	1	130
33W	1	157
34W	1	140
35W	1	77
36W	1	95
37W	1	94
38W	1	89
39W	1	99
40W	1	59
L80S-41W	1	270
L88S-08W	1	60
09W	2	267
10W	NO SAMPLE	
L88S-11W	NO SAMPLE	

Certified by Eric Grant

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MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
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GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: TECK EXPLORATIONS
PROJECT: HIGHMONT MINES
ATTENTION: W. BERGEY

FILE: 4-1014/P6
DATE: SEPT.21/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	MO PPM	CU PPM
L88S-12W	NO SAMPLE	
13W	1	81
14W	1	156
15W	1	135
16W	1	157
17W	1	207
18W	1	290
19W	1	283
20W	1	240
21W	1	735
22W	1	560
23W	1	640
24W	2	302
25W	2	330
26W	2	81
27W	1	640
28W	1	124
29W	1	73
30W	1	250
31W	2	348
32W	1	53
33W	1	213
34W	2	150
35W	1	100
36W	2	62
37W	2	220
38W	1	110
39W	1	98
40W	1	45
L88S-41W	1	51

Certified by _____

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APPENDIX 2

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

(i) Abbreviations Used
(ii) Field Notes

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(i) Abbreviations used on field notes

Color

Br	Brown
Gy	Grey
Bk	Black

Consolidation

Snd	Sand
Cl	Clay

Vegetation

Pop	Poplar
Spr	Spruce

Slope

Down sloping

Directions

Level ground

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FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 60 S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
66 W	16	A	Black	Topsoil	Grass	—	Swamp, Sample Organic
65	24	A	〃	〃	Grass	—	〃
64	24	A	〃	〃	Alder	—	〃
63	24	A	〃	〃	Grass	—	〃
62	24	A	〃	〃	〃	—	〃
61	8	A	〃	〃	〃	—	〃
60	24	B	Brown	Sand	〃	—	
59	16	A	Black	Topsoil	〃	—	Organic sample
58	12	B	Brown	Sand	Spruce	—	edge of Swamp
57	6	B	BR/GY	Ci/Snd	〃	—	〃
56	20	A	Black	Topsoil	Spr/Pop	—	〃, Oranic sample
55	8	B	BR/GY	Ci/Sand	Grass	↘SW	Powerline, Kame
54	—	—	—	—	—	↘SW	〃 Angular floats
53	—	—	—	—	—	↘SW	〃 Angular floats
52	6	B/C	BR/GY	Sand/Gravel	Grass	↘SW	〃 , Road
51	6	B/C	BR/GY	Sand/Gravel	Grass	↘SW	edge of powerline, Road
50	6	B	〃	〃	Pine/Fir	→SW	
49	6	B	〃	〃	〃	→SW	Boulder floats
48	6	B	〃	〃	Pine/pop	→SW	Boulder floats
47	8	B	〃	〃	〃	↘SW	
46	8	B	〃	〃	〃	↘SW	

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 64S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
66W	10	B	BROWN(BR)	Sand	Poplar(Pop.)	↘E	Esker, logging Rd.
65	6	B	GREY/BR	Clay/Sand	〃	—	Logging slash
64	8	B	〃	Sand	〃	—	〃
63	8	B	〃	Gravel	〃	—	〃
62	10	B	〃	Clay/Gravel	〃	—	〃
61	24	B	BR	Sand	〃	—	〃 /Organic Sample
60	24	B	BR	Sand	〃	—	Powerline
59	22	B	BR	Clay	Grass	—	〃
58	20	B	BR	Clay/Sand	〃	—	〃
57	20	A	BLACK(BK)	Topsoil	Poplar	—	Powerline (edge)
56	—	—	—	—	Spruce(Spr.)	—	Rocky, No Sample.
55	6	B	BR/GY	Clay	〃	—	Gulley
54	6	B	〃	Clay/Sand	〃	—	〃
53	18	A	BK	Topsoil	Spr./Pop.	—	Organic & Boulders
52	24	B	GY	Clay	〃	—	Hill @ 50' SW
51	24	B	GY	Clay/Sand	〃	—	Hill @ 75' SW
50	16	B	BR	Sand	〃	—	Hill @ 20' SW
49	8	B	BR	Sand	〃	—	Hill @ 10' SW
48	8	B	BR/GY	Clay/Sand	Spr./Pine	↘N.	Edge of hill
47	8	B	〃	〃	Pine	↘N.	〃
46	8	B	〃	Sand	〃	↘N.	〃
45	8	B	〃	〃	〃	→W.	Creek 20' West
44	8	B	〃	Clay/Sand	〃	—	Brow of Hill
43	8	B	〃	〃	Spr./Pop.	—	Bench
42	6	B	〃	〃	Pine	—	Bench
41	8	B	〃	〃	〃	—	Bench

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 68S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
38W	8	B	BR/Gy	Sand	Spr/Pine	↘N	Gulley 150' NE
39	8	B	〃	〃	〃	↘N	
40	8	B	〃	〃	Pine	↘N	
41	8	B	〃	〃	〃	Ridge	NE/SW Ridge
42	8	B	〃	〃	Spr./Pine/Fir	↘WNW	Gulley 15' NW
43	8	B	〃	Sand/Gravel	Spruce	↘NE	
44	8	B	〃	〃	〃	↘NE	
45	8	B	〃	〃	Pine	↘NE	
46	8	B	〃	〃	〃	↘NNE	
47	8	B	〃	〃	〃	↘NNE	
48	8	B	〃	〃	〃	↘NNE	
49	8	B	〃	〃	〃	↘NNE	
50	8	B	〃	〃	Spruce	↘NNE	
51	8	B	〃	〃	Spr./Fir	↘NNE	
52	8	B	〃	〃	Fir	↘NNE	
53	8	B	〃	〃	Spr./Fir	↘NNE	
54	8	B	〃	〃	Pine/Fir	↘NNE	
55	8	B	〃	〃	〃	↘N	
56	8	B	〃	〃	〃	↘N	
57	8	B	〃	〃	〃	↘N	
58	8	B	〃	〃	Spr./Pine/Fir	↘N	
59	8	B	〃	〃	Spr./Pine	↘N	Gravel = Esker(?)
60	8	B	〃	〃	〃	↘N	
61	8	B	〃	Sand	〃	↘N	Road 10' W
62	8	B	〃	Sand	〃	—	Coarse sand, Esker(?)
63	8	B	〃	Gravel	Grass	=	Powerline, Esker(?) — 300' N 70° W

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 72S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
19W	8	B	BR/Gy	Sand/Gravel	Pine/Alder	↘N	Edge of Road.
20	8	B	〃	〃	〃	↘N	
21	8	B	〃	〃	〃	↘N	
22	8	B	〃	〃	Spr./Pop	↘N	
23	8	B	〃	〃	Pine	↘N	
24	8	B	〃	〃	Pine/Alder	↘N	
25	8	B	〃	〃	〃	↘N	
26	8	B	〃	〃	〃	↘N	Edge of burnt area
27	8	B	〃	〃	〃	↘NNW	
28	8	B	〃	〃	〃	↘N	
29	6	B	〃	〃	Pine	↘N	Rocky - a trench(?)
30	8	B	〃	〃	〃	↘N	Rocky
31	8	B	〃	〃	Pine/Fir	↘NNW	
32	6	B/C	〃	Gravel	Grass	↘NNW	
33	8	B	〃	Sand/Gravel	Fir/Spr.	↘NW	Gully 20'W
34	6	B	〃	〃	〃	↘NW	Deep Gully 40'W
35	8	B	〃	〃	Pine/Alder	↘E	Possible outcrop 90' back
36	8	B	〃	〃	Pine/Fir	↘NE	Old road 100' SW
37	8	B	〃	〃	〃	↘NE	Old road 70' SW
38	8	B	〃	〃	〃	↘NE	Rocky
39	8	B	〃	〃	Pine	↘NE	
40	8	B	〃	〃	〃	↘NE	
41	8	B	〃	〃	Pine/Willow	↘NW	Gully 60'W
42	8	B	〃	〃	Pine/Alder	↘ENE	Outcrop 100' WSW
43	8	B	〃	〃	〃	↘NE	Outcrop 20' SW
44	8	B	〃	〃	〃	↘NNE	
45	8	B	〃	〃	〃	↘NE	
46	8	B	〃	〃	〃	↘NE	
47	8	B	〃	〃	〃	↘NE	Old Burn
48	8	B	〃	〃	Pine	↘NE	〃
49	8	B	〃	〃	〃	↘NNW	〃
50	8	B	〃	〃	Pine/Alder	↘NW	〃 (edge)

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 72S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
51	8	B	BR/Gy	Snd/Gravel	Pine/Alder	↘NW	Old Burn (edge)
52	8	B	〃	〃	〃	↘NNE	Wide Draw Wet
53	8	B	〃	〃	Spr./Alder	〃	〃
54	8	B	〃	〃	〃	↘N	〃
55	8	B	〃	〃	〃	↘NE	〃
56	8	B	〃	〃	Pine/Fir	↘NE	
57	8	B	〃	〃	Pine/Alder	↘NNE	
58	8	B	〃	〃	〃	↘N	
59	8	B	〃	〃	〃	Valley	One of two adjacent gulley
60	8	B	〃	〃	〃	↘ENE	
61	8	B	〃	〃	Pine	↘E	Esker(?)
62	8	B	〃	〃	〃	↘NW	〃
63	8	B	〃	〃	〃	↘N	〃
64	8	B	〃	〃	〃	↘NW	〃
65	8	B	〃	Sand	Pine/Alder	↘E	Esker, Gulley 20'SE
66	8	B	〃	Sand/Gravel	〃	↘NW	Esker,
67	8	B	Brown	Sand	〃	—	Bottom edge of Esker
68	8	B	〃	Sand/Gravel	〃	---	Edge of Powerline
69	8	B	〃	〃	〃	—	Powerline

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 80 S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
21 W	8	B	BROWN/GREY	Sand/Clay	Pine/Alder	→NE	
22	8	B	〃	〃	〃	→NE	
23	8	B	〃	〃	〃	→NE	
24	8	B	〃	〃	〃	→NE	
25	8	B	BROWN	Sand/Gravel	〃	→NE	
26	8	B	BR/GY	〃	〃	→NE	
27	8	B	〃	〃	〃	→NE	
28	8	B	〃	〃	〃	→NE	
29	8	B	〃	〃	〃	→N	
30	8	B	BROWN	〃	〃	→N	
31	10	B	BR./GY	〃	〃	→N	
32	8	B	〃	〃	〃	→N	
33	8	B	〃	〃	〃	→NE	
34	8	B	〃	〃	〃	—	SE/NW Ridge
35	6	B	BROWN	〃	Willow	→NE	Dry Gully 15' east
36	8	B	BR./GY.	〃	Pine/Alder	→E	Brow of hill
37	8	B	〃	〃	〃	→E	Back of bench
38	10	B	〃	〃	〃	→NE	
39	8	B	〃	〃	〃	→NE	
40	8	B	〃	〃	〃	→NE	Outcrop 70'S
41 W	8	B	〃	〃	〃	→NE	

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FIELD NOTES
ON
GEOCHEMICAL SOIL SURVEY

LINE 88S

STATION	SAMPLE DEPTH (in)	SAMPLE HORIZON	SAMPLE COLOR	SAMPLE CONSOLIDATION	VEGETATION	SLOPE	COMMENTS
42W	8"	B	BROWN/GREY	Sand/Gravel	Pine	—	Bench Outcrop 100'N 35°E
41	8	B	〃	〃	〃	→NE	
40	8	B	〃	〃	〃	→NE	
39	10	B	〃	〃	〃	→NE	
38	8	B	BROWN	〃	〃	→NE	Slope Steepens
37	8	B	BR/GY	〃	〃	→NE	
36	8	B	〃	〃	〃	→NE	
35	8	B	〃	〃	〃	→NE	
34	8	B	〃	〃	〃	→NE	
33	12	B	〃	〃	〃	Valley	Dry Gully
32	6	B	BROWN(BG)	〃	〃	→NW	
31	8	B	〃	〃	〃	→NW	
30	8	B	BR/GY	〃	〃	→NW	Brow of hill
29	8	B	〃	〃	Pine/Alders	→N	
28	8	B	〃	〃	〃	→N	
27	8	B	〃	〃	Pine/Poplar	→N	Road
26	8	B	〃	〃	Pine	→N	
25	8	B	〃	〃	〃	→NE	
24	8	B	〃	〃	〃	→NE	
23	8	B	GY/BR	〃	Pine	→N	Old trench 10'N
22	4	B/C	〃	〃	Grass	→NE	Powerline
21	5	B	〃	〃	Grass	→NE	〃
20	8	B	〃	〃	Pine	→NE	
19	8	B	〃	〃	Pine	→NE	
18	8	B	〃	〃	Pine/Alders	→NE	
17	8	B	〃	〃	Pine	→NE	
16	8	B	〃	〃	Pine	→NE	Edge of clearing
15	8	B	〃	〃	Grass	→NE	〃
14	8	B	〃	〃	Grass	→NE	Road 20'S
13	—	—	—	—	—	—	Seepage dam
12	—	—	—	—	—	—	Seepage pond
11	—	—	—	—	—	—	〃 〃

FIELD NOTES ON GEOCHEMICAL SOIL SURVEY

LINE 88 S

STATION	SAMPLE				VEGETATION	SLOPE	COMMENTS
	DEPTH (in)	HORIZON	COLOR	CONSOLIDATION			
10	—	—	—	←	—	—	Seepage pond
9	8	B	Be/Gy	Sand	Grass	→W	Possible contaminated with tailings seepage
8	8	B	"	Sand	Grass	→W	
7	—	—	—	—	—	—	Rocky

122,000 E
124,000 E
126,000 E
128,000 E
130,000 E
132,000 E
134,000 E
88,000 N
86,000 N
84,000
82,000 N
80,000 N
78,000 N

GAZA 2 M.C.
GAZA 1 M.C.
JERICHO 1 M.C.
JERICHO 4 M.C.
JERICHO 5 M.C.
SHEBA 23
SHEBA 25
SHEBA 26
LOT 1034 (FORMERLY INDIAN RESERVE 15)
LILY
B.C. HYDRO POWERLINE
BASELINE
TAILINGS DAM CENTRE LINE
TAILINGS IMPOUNDMENT AREA
DAM S1
DAM S2
DAM S3
L 60S
L 64S
L 68S
L 72S
L 80S
L 88S
B/L
MSEL 47
MSEL 46

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LEGEND
CLAIM BOUNDARY'S
L.C.P.'S.
ROAD'S
B.C. HYDRO POWERLINE
STREAMS
CONTOURS
SWAMP AREAS
SEEPAGE DAMS S4
TAILINGS LINE

METRIC SCALE 1 = 4800

HIGHMONT OPERATING CORP.
LOGAN LAKE, B.C.

FIGURE 2
1984 - GEOCHEM SURVEY - ASSAY'S
GAZA - JERICHO, PROPERTY.

SCALE 1" = 400'
DESIGNED
DRAWN R.J.K.
CHECKED
APPROVED
DRAWING NO.
ISSUE

122,000 E
124,000 E
126,000 E
128,000 E
130,000 E
132,000 E
134,000 E
88,000N
86,000N
84,000N
82,000N
80,000N
78,000N

LOT 1034 (FORMERLY INDIAN RESERVE 15)

GAZA 2 M.C.
GAZA 1 M.C.
JERICHO 1 M.C.
JERICHO 4 M.C.
JERICHO 5 M.C.
SHEBA 23
SHEBA 25
SHEBA 26

L 60S
L 64S
L 68S
L 72S
L 80S
L 88S

B.C. HYDRO POWERLINE
B/L
BASELINE
DAM S1
DAM S2
DAM S3
TAILINGS DAM CENTRE LINE
TAILINGS IMPOUNDMENT AREA
To Logan Lake 10 km
To Logan Lake 3 km
To Blue Lake

GEOLOGICAL BRANCH
ASSESSMENT REPORT
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COPPER ISOGRADS
100 PPM.
200 PPM
400 PPM

LEGEND
CLAIM BOUNDARY'S
L.C.P.'S.
ROAD'S
B.C. HYDRO POWERLINE
STREAMS
CONTOURS
SWAMP AREAS
SEEPAGE DAMS S4
TAILINGS LINE

0 400 800
METRIC SCALE 1:4800

HIGHMONT OPERATING CORP.
LOGAN LAKE, B.C.

FIGURE, 3
1984 – GEOCHEM SURVEY – CU ISOGRADS
GAZA – JERICHO, PROPERTY.

SCALE 1" = 400'
DESIGNED
DRAWN R.J.P.
CHECKED
APPROVED
DRAWING NO.
ISSUE