

5218

92I/7W

92I/7W

Geochemical Report on the Price 13, 14,
23, 24, 25, 26, 28, 37, 38, 55, 56, 57, 58
and the Ruby 15Fr., 19Fr., and 22Fr. Mineral
claims,

Roscoe Lake - 50 23' N., 120 58'W.
(NTS 92I/SE)

Kamloops Mining Division.

Highmont Mining Corporation Ltd. and
Pathfinder Resources Ltd.

26th August - 25th September, 1974.

By

A. J. Reed, P.Eng.

October 29th, 1974.

Ashcroft, B.C.

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. 5218 MAP.....

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Geochemical Report on the Price 13,14,
23,24,25,26,28,37,38,55,56,57,58, and the
Ruby 15FR., 19FR., and 22FR. Mineral Claims,

Roscoe Lake - 50 23' N., 120 58' W(NTS 92 I/SE)

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26th August - 25 September, 1974.

INTRODUCTION

This report describes approximately 19 linemiles of geochemical soil-sampling performed by Highmont Mining Corporation Ltd. near Roscoe Lake in the Highland Valley area of British Columbia during the period 26 August to 25 September, 1974. The sampling program covered three distinct areas which are shown on the claim map of Figure 1. Survey area #1 included the Price 55-58 and Ruby 22Fr. mineral claims, Survey area #2 included the Price 23-26, 28, 13,14 and the Ruby 15Fr. and 19Fr. mineral claims and survey area #3 covered the Price 37 and 38 mineral claims. All of these mineral claims are owned by Pathfinder Resources Ltd. Survey areas #1 and #2 were chosen to investigate areas in which a previous electromagnetic survey had defined anomalies (Reed, 1974) and survey area #3 investigated an overburden covered area considered to have mineralogical potential due to its proximity to the contact between the Chataway and Bethlehem phases of the Guichon batholith.

Access to the Roscoe Lake area is by 28 miles of paved highway from Ashcroft to the Highland Valley and then by 12 miles of rough bush road southeastwards over Gnawed Mountain. Four-wheel drive vehicles were used for access and a temporary camp was established near the south end of Roscoe Lake.

SURVEY PROCEDURE

A total of 1005 samples were collected at intervals of 100 feet along lines spaced 100 feet apart. The survey area is covered by a system of east-west cut lines spaced 400 feet apart which were established several years ago. These cut-lines were used for control and intermediate lines were established by compass and pacing. The samples were taken from the upper part of the B soil horizon at a depth of approximately six inches. Swamp areas were not sampled. The samples were placed into paper envelopes and shipped to Bobdar-Clegg and Company Ltd., 1500 Pemberton Ave., North Vancouver for analysis of the copper, silver and molybdenum content. At Bondar-Clegg the samples were :-

1. Dried in infra-red driers
2. Sieved to -80 mesh
3. Weighed on 0.5gm
4. Digested in LeFort aqua regia for three hours
5. Bulked to 20% acid concentration and homogenized
6. Allowed one hour setting time
7. Analyzed by atomic absorption in constant comparison with both synthetic and matrix standards
8. Permanently recorded on chart paper.

SURVEY RESULTS AND INTERPRETATION

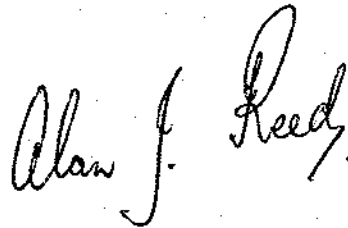
Average values, standard deviations, threshold values and anomalous values were calculated for copper, silver and molybdenum analyses respectively. Figures 2, 3 & 4 show the frequency distribution of these analyses in histogram form. The positively - skewed unimodal shape of the three histograms indicates that we have no major anomalies within the survey areas. The direction of glacial movement was from NW to SE across each of the three survey areas.

Survey Area #1 A weak copper anomaly at 52N56E and 51N57E is supported by a weak silver anomaly at the same stations and by a slightly more extensive molybdenum anomaly occurring about 200 feet to the southeast. The electromagnetic anomaly described by Reed (1974) centres upon 52N54E and would appear to be the source of these geochemical anomalies although the weakness of the geochemical expression indicates that this occurrence is not of any economic importance. Analytical values for copper, silver and molybdenum in the soils of survey area #1 are shown on Figures 5 & 6 on plan maps at a scale of 1 inch represents 200 feet.

Survey Area #2 Analytical values for copper, silver and molybdenum in the soils of survey area #2 are shown in Figure 7 on plan maps at a scale of 1 inch represents 200 feet. A weak copper anomaly at 40N5W and 39N4W is not supported by values in molybdenum and silver but appears to represent traces of bornite and malachite in quartz veins reported by Ulrich and Reed (1972).

CONCLUSIONS

A detailed geochemical soil survey has been performed on three areas of the Price 13,14, 23,24,25,26,37,38,55,56,57,58 and the Ruby 15Fr. , 19Fr. and 22 Fr. mineral claims. Weak copper, molybdenum and silver soil anomalies are associated with an electromagnetic anomaly on the Price 58 M.C. The remainder of the survey areas returned values too low to be of economic interest. No further work is recommended at the present time.

A handwritten signature in cursive script that reads "Alan J. Reed". The signature is written in dark ink and is positioned to the right of the main text block.

A.J. Reed, P.Eng.

October 29th, 1974

REFERENCES

1. Reed, A.J. (1974)
" Geophysical Report on the Price, Ruby
and Pen Claims ", Kamloops Mining Division,
dated 15 March - 15 April, 1974.
(Assessment Report) .

2. Ulrich, G.D. and Reed, A.J. (1972)
" Geological Report on the Price and Ruby
claims, Kamloops Mining Division , dated
July 13th - August 7th, 197².
(Assessment Report) .

STATEMENT OF PERSONNEL AND COSTS

<u>Name</u>	<u>Position</u>	<u>No. of Days employed</u>	<u>Cost</u>
A.J.Reed Box 158 Ashcroft, B.C.	Geologist	26 Aug. - 25 Sept.1974	1500
M.J.Porter, Box 144, Ashcroft, B.C.	Fieldman	26 Aug. - 25 Sept.1974	1000
Sample preparation and assaying			2148.19
Sample envelopes and shipping			50.00
1 4X4 pickup at \$400 per month			400.00
1 all-terrain motor-cycle at \$10 per day			200.00
Camp supplies and groceries			200.00
Preparation of report			600.00
		Total Cost	\$ 6098.19

APPROXIMATE DISTRIBUTION OF COSTS

1. Price 13,14,24,26,28 and Ruby 19Fr. (Red Group)	2500
2. Price 23,25, Ruby 15Fr and 22 Fr. (Green group)	1500
3. Price 37,38 (Purple group)	900
4. Price 55,56 (Black group)	600
5. Price 57,58 (White group)	600

\$ 6100

Alan J. Reedy

A.J.Reed, P.Eng.
October 29, 1974

CERTIFICATE

I, Alan James Reed of 1265 Brunswick Place,
Ashcroft, British Columbia, do hereby certify that :

1. I am a geologist employed by Highmont Mining Corporation Ltd. of 700 - 1177 West Hastings Street, Vancouver, B.C.
2. I am a Professional Engineer registered in the Province of British Columbia and the Province of Ontario.
3. I am a graduate of the University of Leeds with a B.Sc. (Hons.1963) in Geology.
4. I have practised my profession since 1963 while employed by the Geological Survey of Jamaica, Siscoe Metals of Ontario Ltd., and Highmont Mining Corporation Ltd.
5. This report describes work performed on the Price 13, 14, 23, 24, 25, ^{26, 28,} 37, 38, 55, 56, 57, 58, Ruby 15Fr., 19Fr. and 22Fr. mineral claims under my supervision during the period August 26th to September 25th, 1974.

Alan J. Reed

A. J. Reed, P.Eng.
October 29, 1974

APPENDIX:

DETAILED CALCULATIONS OF AVERAGE VALUE,
STANDARD DEVIATION, THRESHOLD VALUE AND ANOMALOUS
VALUE FOR COPPER, MOLYBDENUM AND SILVER IN THE B -HORIZON
SOILS IN THE ROSCOE LAKE AREA.

CALCULATIONS OF THRESHOLD VALUES AND ANOMALOUS VALUES USING STANDARD DEVIATION

HIGHMONT MINING CORP.
LTD (NPL)

PATHFINDER RESOURCES LTD

ROSCOE LAKE PROPERTY

Cu (ppm.)

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}}$$

S = STANDARD DEVIATION

$$\bar{X} = \frac{\sum X_i}{N} = \frac{53080}{1003}$$

✓ \bar{X} = MEAN OR AVERAGE VALUE = 52.92 \approx 52.9

✓ N = TOTAL NUMBER OF VALUES = 1003

✓ $\sum X_i$ = SUM OF THE VALUES (IE. 5 PPM + 9 PPM) = 53080

✓ $\sum (X_i)^2$ = SUM OF EACH OF THE VALUES SQUARED = 5023658

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}} = \sqrt{\frac{5023658 - 2808927.979}{1002}}$$

$$S = \sqrt{\frac{2214730.0208}{1002}} = \sqrt{2210.2} = 47.01$$

S = 47.01

THRESHOLD VALUE = $\bar{X} + 2S = 52.9 + 2 \times 47.01 \approx 147$

ANOMALOUS VALUE = $\bar{X} + 3S = 52.9 + 3 \times 47.01 \approx 194$

CALCULATIONS OF THRESHOLD VALUES AND ANOMALOUS VALUES USING STANDARD DEVIATION

HIGHMOUNT MINING CORP.
LTD. (NPL)

PATHFINDER RESOURCES LTD.

ROSCOE LAKE PROPERTY

Mo (PPM)

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}}$$

S = STANDARD DEVIATION

$$\bar{X} = \frac{\sum X_i}{N} = \frac{2043}{1003} = 2.036889$$

✓ \bar{X} = MEAN OR AVERAGE VALUE = 2.036 \approx 2.04

✓ N = TOTAL NUMBER OF VALUES = 1003

✓ $\sum X_i$ = SUM OF THE VALUES (IE. 5 PPM + 9 PPM) = 2043

✓ $\sum (X_i)^2$ = SUM OF EACH OF THE VALUES SQUARED = 11214

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}} = \sqrt{\frac{11214 - 4174.08}{1002}}$$

$$S = \sqrt{\frac{7039.92}{1002}} = \sqrt{7.0259}$$

S = 2.65

THRESHOLD VALUE = $\bar{X} + 2S = 2.04 + 2 \times 2.65 = 7.34 \approx 7.3$

ANOMALOUS VALUE = $\bar{X} + 3S = 2.04 + 3 \times 2.65 = 9.99 \approx 10$

CALCULATIONS OF THRESHOLD VALUES AND ANOMALOUS VALUES USING STANDARD DEVIATION

HIGHMONT MINING CORP
LTD. (NPL)

PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY

Ag (PPM)

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}}$$

S = STANDARD DEVIATION

$$\bar{X} = \frac{\sum X_i}{N} = \frac{489.33}{1003}$$

✓ \bar{X} = MEAN OR AVERAGE VALUE = 0.487 \approx 0.49

✓ N = TOTAL NUMBER OF VALUES = 1003

✓ $\sum X_i$ = SUM OF THE VALUES (IE. 5 PPM + 9 PPM) = 489.33

✓ $\sum (X_i)^2$ = SUM OF EACH OF THE VALUES SQUARED = 291.62

$$S = \sqrt{\frac{\sum (X_i)^2 - N(\bar{X})^2}{N-1}} = \sqrt{\frac{291.62 - 238.727}{1002}}$$

$$S = \sqrt{\frac{52.893}{1002}} = \sqrt{0.052787}$$

S = 0.2297 \approx 0.23

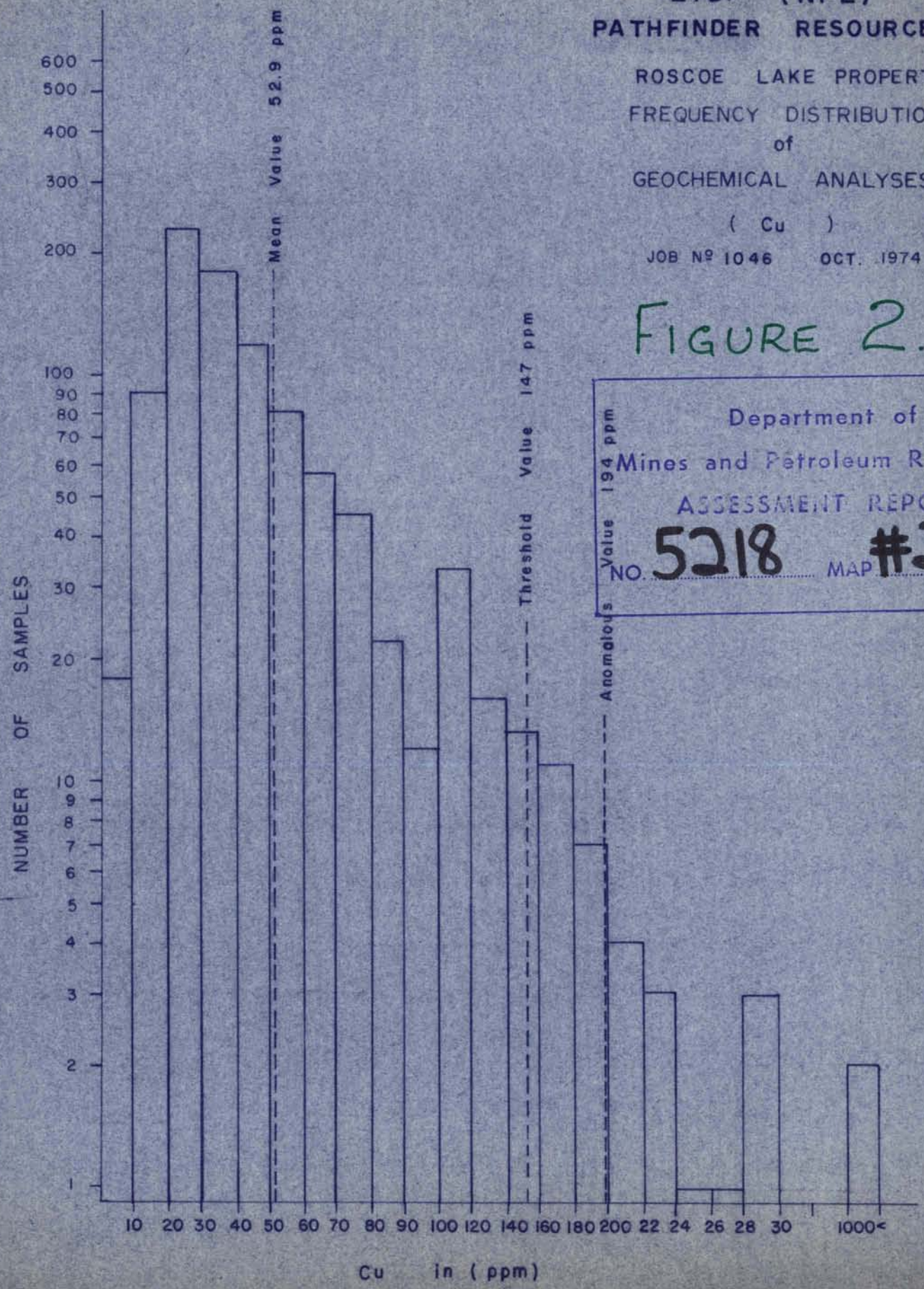
THRESHOLD VALUE = $\bar{X} + 2S = 0.49 + 2 \times 0.23 = 0.95 \approx 1.0$

ANOMALOUS VALUE = $\bar{X} + 3S = 0.49 + 3 \times 0.23 = 1.18 \approx 1.2$

HIGHMONT MINING CORP
LTD. (NPL)
PATHFINDER RESOURCES LTD.

ROSCOE LAKE PROPERTY
FREQUENCY DISTRIBUTION
of
GEOCHEMICAL ANALYSES
(Cu)
JOB N° 1046 OCT. 1974

FIGURE 2.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **5218** MAP **#2**

HIGHMONT MINING CORP.
LTD (NPL)

PATHFINDER RESOURCES LTD.

ROSCOE LAKE PROPERTY

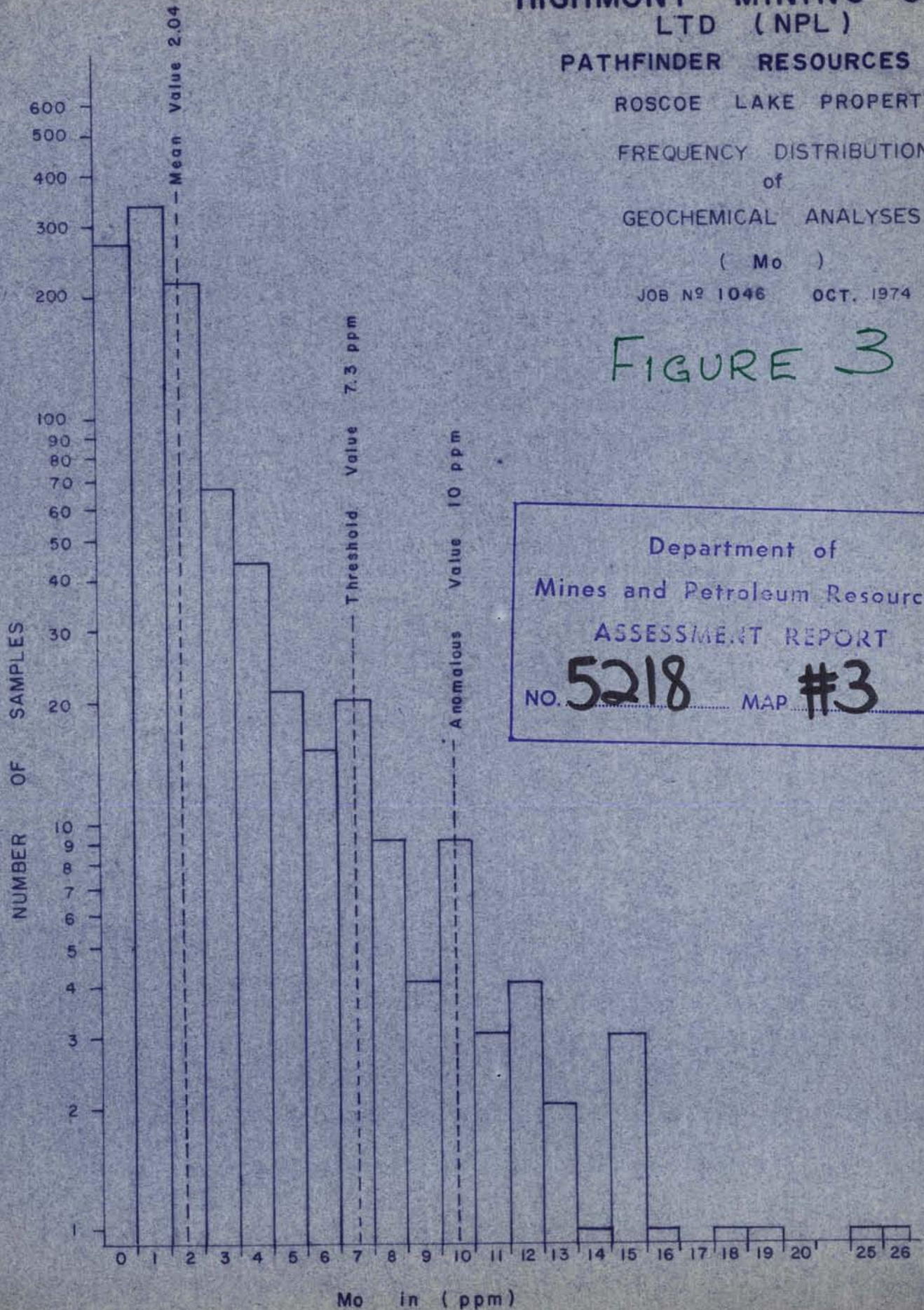
FREQUENCY DISTRIBUTION
of

GEOCHEMICAL ANALYSES

(Mo)

JOB N^o 1046 OCT. 1974

FIGURE 3



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5218 MAP #3

HIGHMONT MINING CORP.
LTD. (NPL)

PATHFINDER RESOURCES LTD.

ROSCOE LAKE PROPERTY

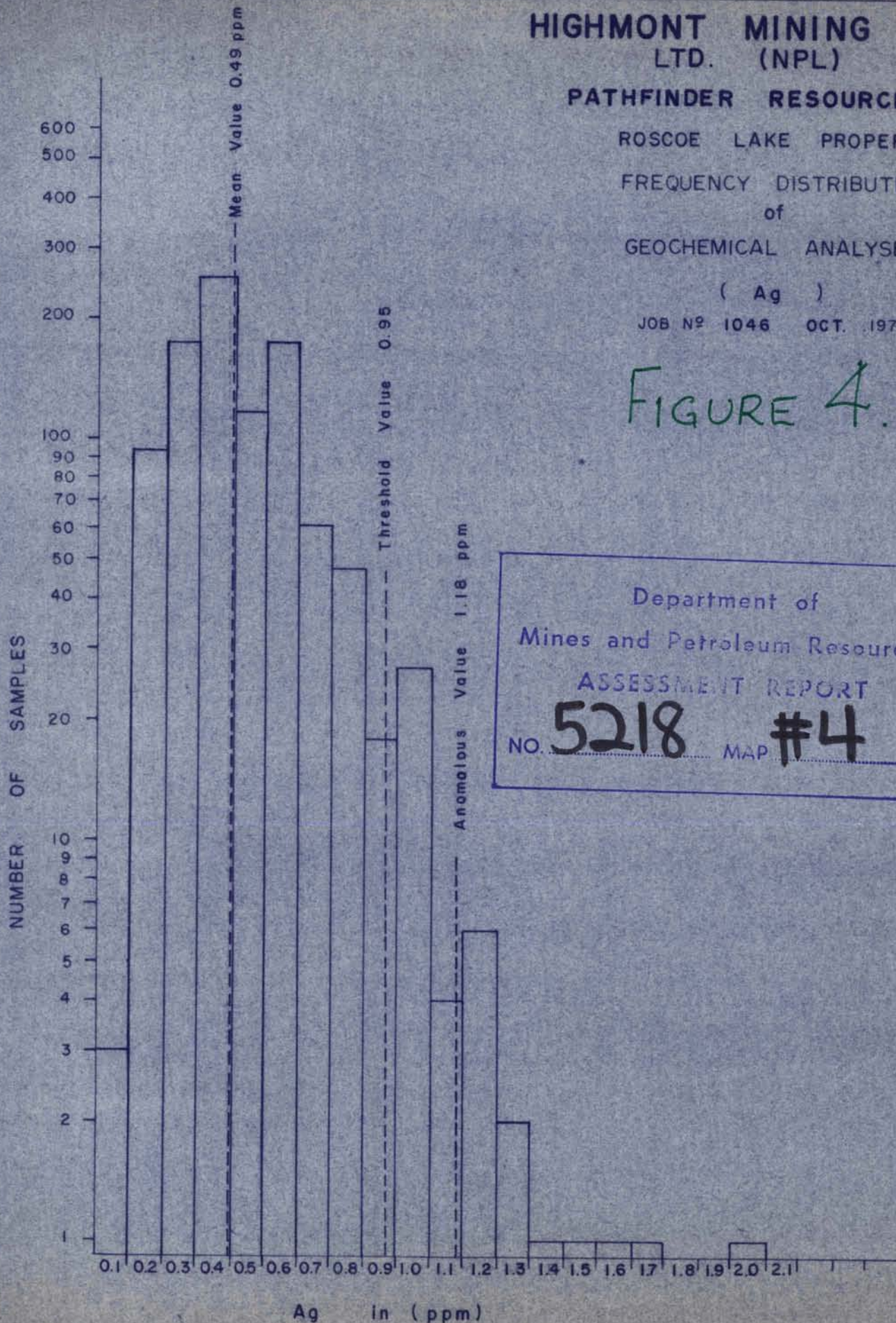
FREQUENCY DISTRIBUTION
of

GEOCHEMICAL ANALYSES

(Ag)

JOB N° 1046 OCT. 1974

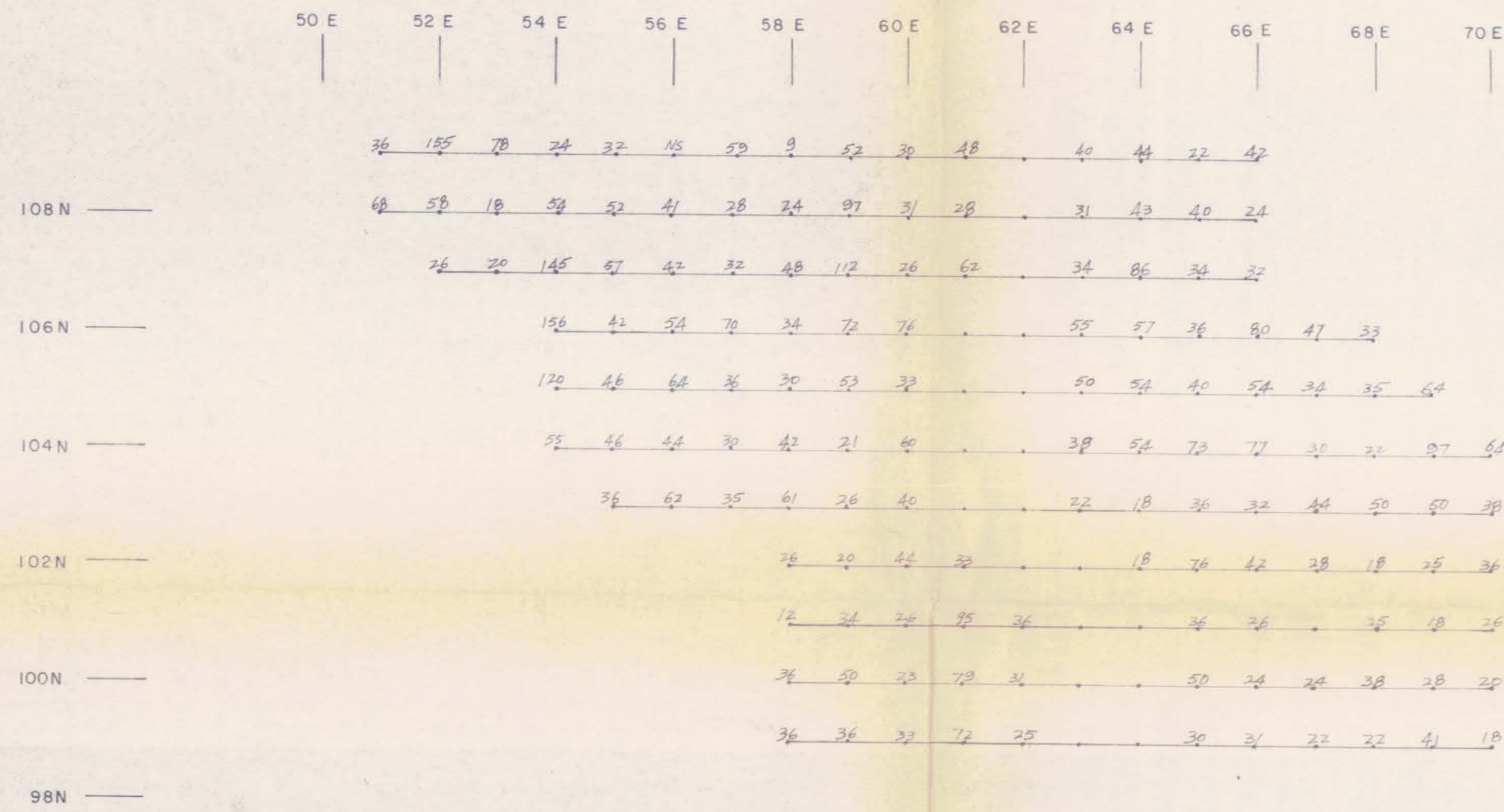
FIGURE 4.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5218 MAP #4

The electromagnetic anomaly centring at 60N14W reported by Reed (1974) has no expression in the soil geochemistry and probably represents a zone of faulting.

Survey area #3 Analytical values for copper, silver and molybdenum in the soils of survey area #2 are shown in Figure 7 on plan maps at a scale of 1 inch represents 200 feet. Analytical values for copper, silver and molybdenum in the soils of survey area #3 are shown in Figure 8 on plan maps at a scale of 1 inch represents 200 feet. None of the samples from this area returned values that can be considered anomalous. The general decrease in values across the area from northwest to southeast indicates in general terms a source of mineralisation away to the northwest.



NS denotes 'no sample'

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO 5218 MAP #8

Alan J. Reed,
29 Oct., 1974.

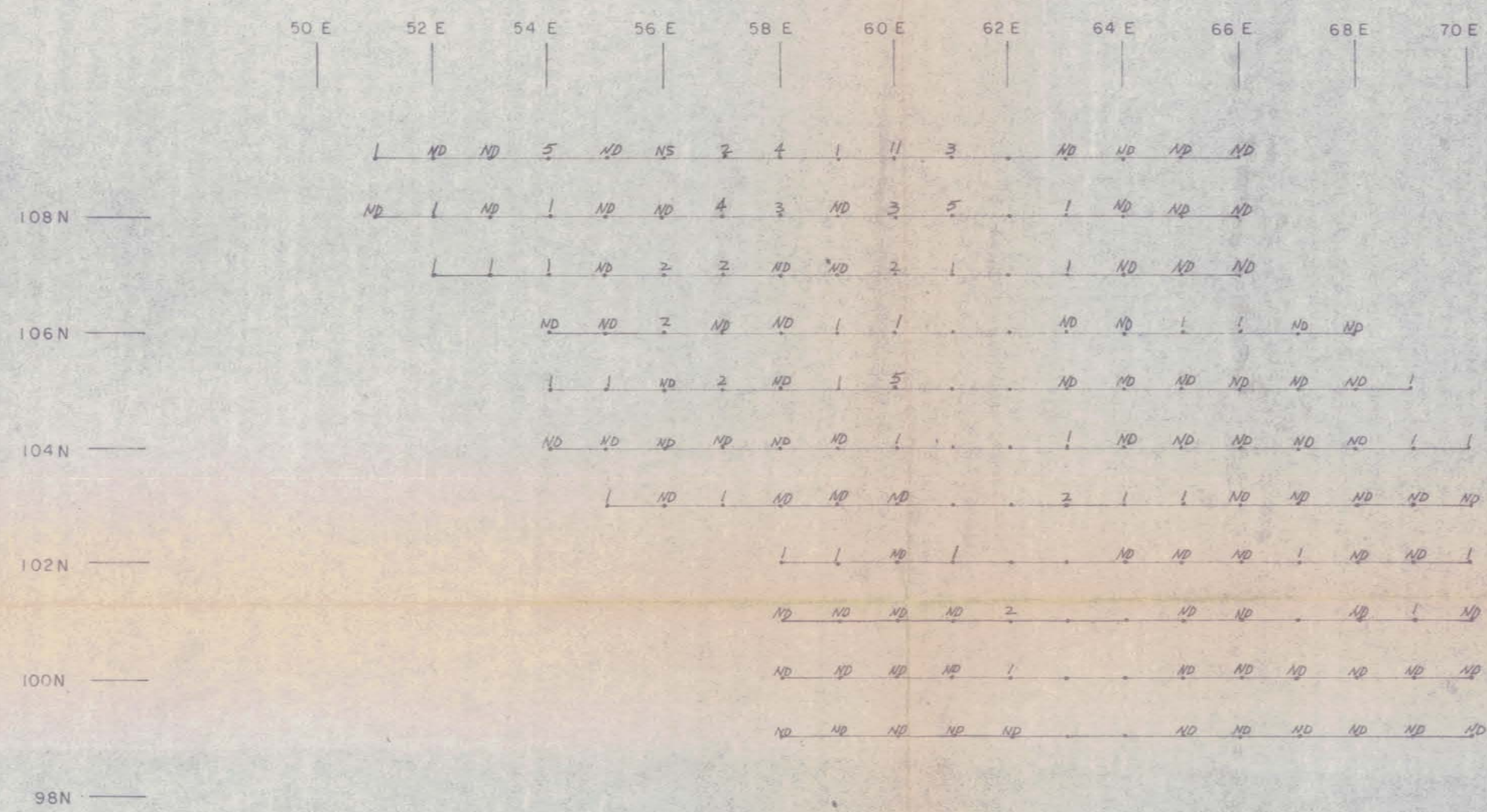
FIGURE 8.
Geochem. Rept. by A. J. Reed, P. Eng.,
29 Oct., 1974.

HIGHMONT MINING CORP. LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 3.

Cu (ppm)

SCALE 1"=200'

DATE: OCTOBER 1974 JOB NO. 1046



ND denotes 'not detected'

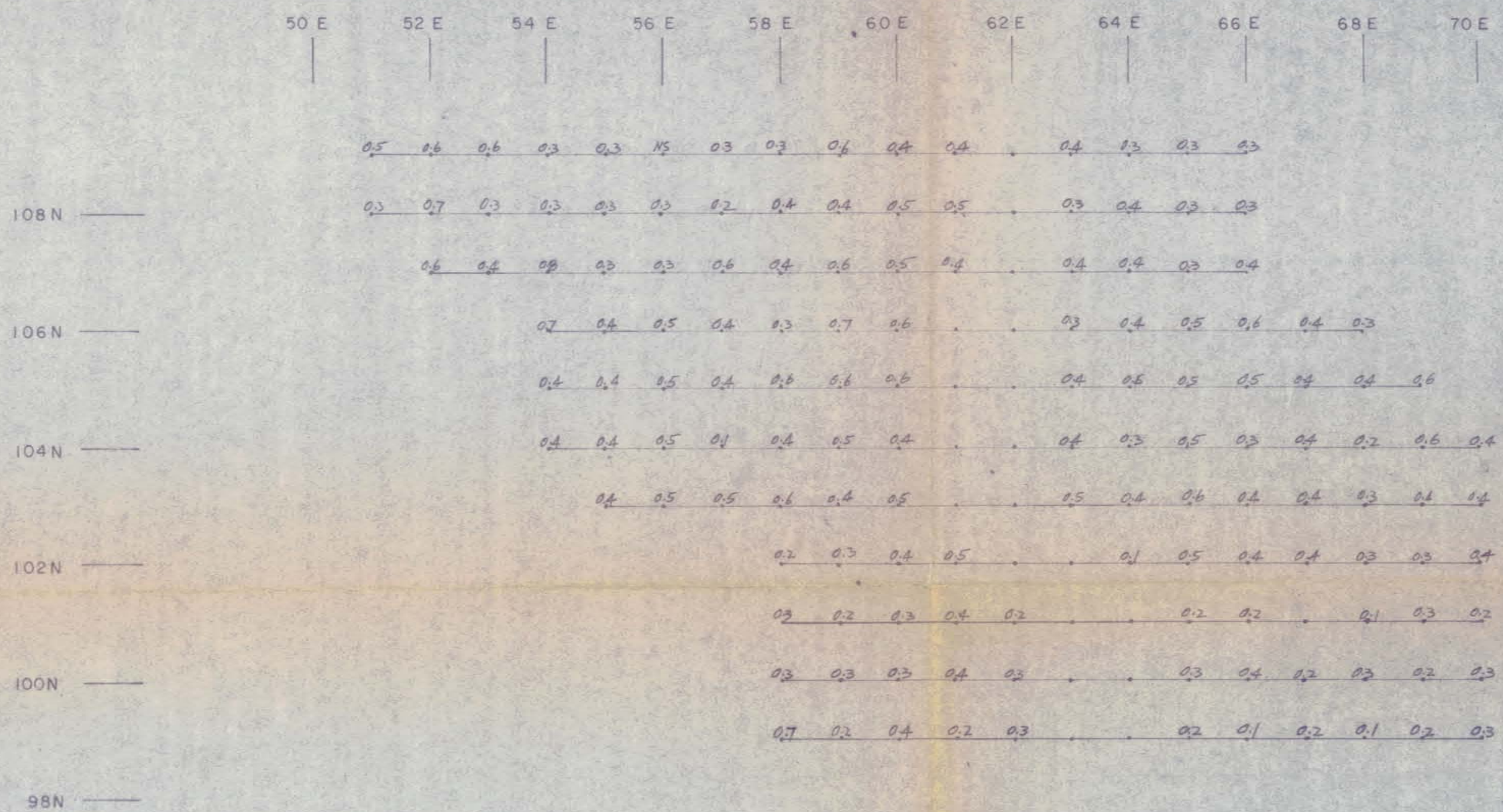
NS denotes 'no sample'

HIGHMONT MINING CORP. LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 3.

Mo (ppm)

SCALE 1"=200'

DATE: OCTOBER 1974 JOB NO. 1046



NS denotes 'no sample'

FIGURE 8
Geochem. Rept. by A. J. Reed, P. Eng.,
29 Oct., 1974.

HIGHMONT MINING CORP. LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 3.

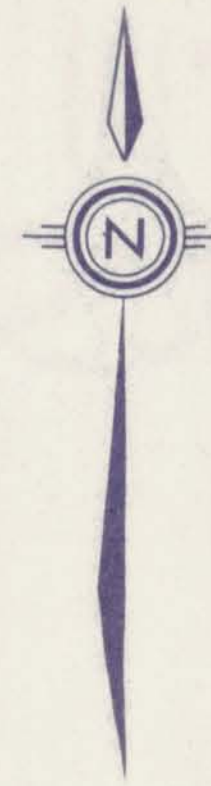
Ag (ppm)

SCALE 1"=200'

DATE: OCTOBER 1974 JOB NO. 1046

Alan J. Reed,
29 Oct., 1974.

5218 MB



	44E	46E	48E	50E	52E	54E	56E	58E	60E	62E	64E	66E	68E									
60N	12	28	26	13	23	24	22	25	145	42	27	19	23	44	43	84	42					
	18	10	30	36	24	16	32	35	50	148	35	29	26	62	80	90	150					
58N	152	25	24	12	27	28	110	116	54	23	30	27	54	23	56	74	34					
	55	44	62	15	29	97	90	15	28	7	37	36	54	40	26	172	72					
56N	26	20	45	27	11	23	28	34	34	38	32	33	32	29	25	31	32	34				
	64	18	20	52	69	27	31	52	17	23	38	44	36	24	25	19	26	38	30			
54N	215	65	30	26	245	32	23	24	25	26	33	38	24	35	49	54	20	34	68	50		
	68	230	40	37	35	20	15	22	44	30	32	25	21	66	33	54	57	22	46	82		
52N		47	30	20	28	38	26	36	104	20	32	300	26	14	32	37	42	54	64	62		
	28	27	31	30	29	27	30	27	62	20	50	35	335	97	45	63	23	37	55	42	45	
50N	25	30	28	30	32	26	85	20	111	13	40	135	94	48	21	135	31	46	63	48	42	
	30	24	32	25	63	27	25	10	220	20	23	60	56	29	51	41	120	320	50	52	54	23
48N	20	32	33	45	22	18	41	22	15	10	80	27	77	95	30	185	77	45	30	31	111	32
	16	30	30	22	28	29	43	46	16	13	46	40	40	58	12	33	26	29				12
46N	15	23	33	23	27	25	32	23	22	19	24	49	35	29	29	38	22	24				
	44	31	31	28	28	27	26	40	35	71	26	37	25	40	460	20	14	36				
44N	24	34	26	33	33	34	45	17	20	25	52	26	53	24		24	30	26				
	43	25	24	22	52	24	30	33	13	135	48	72	27	30	33	20	63	55				
42N	29	38	50	33	20	18	105	42	54	15	23	29	38	54	7	22	18	24	29	62		
	26	17	30	17	14	20	31	28	38	32	20	64	29	28	25	46	17	35	27	31	29	
40N	42	25	25	29	8		32	26	24	26	5	14	16	22	32	14		29	24	29	43	

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **5218** MAP **#5**

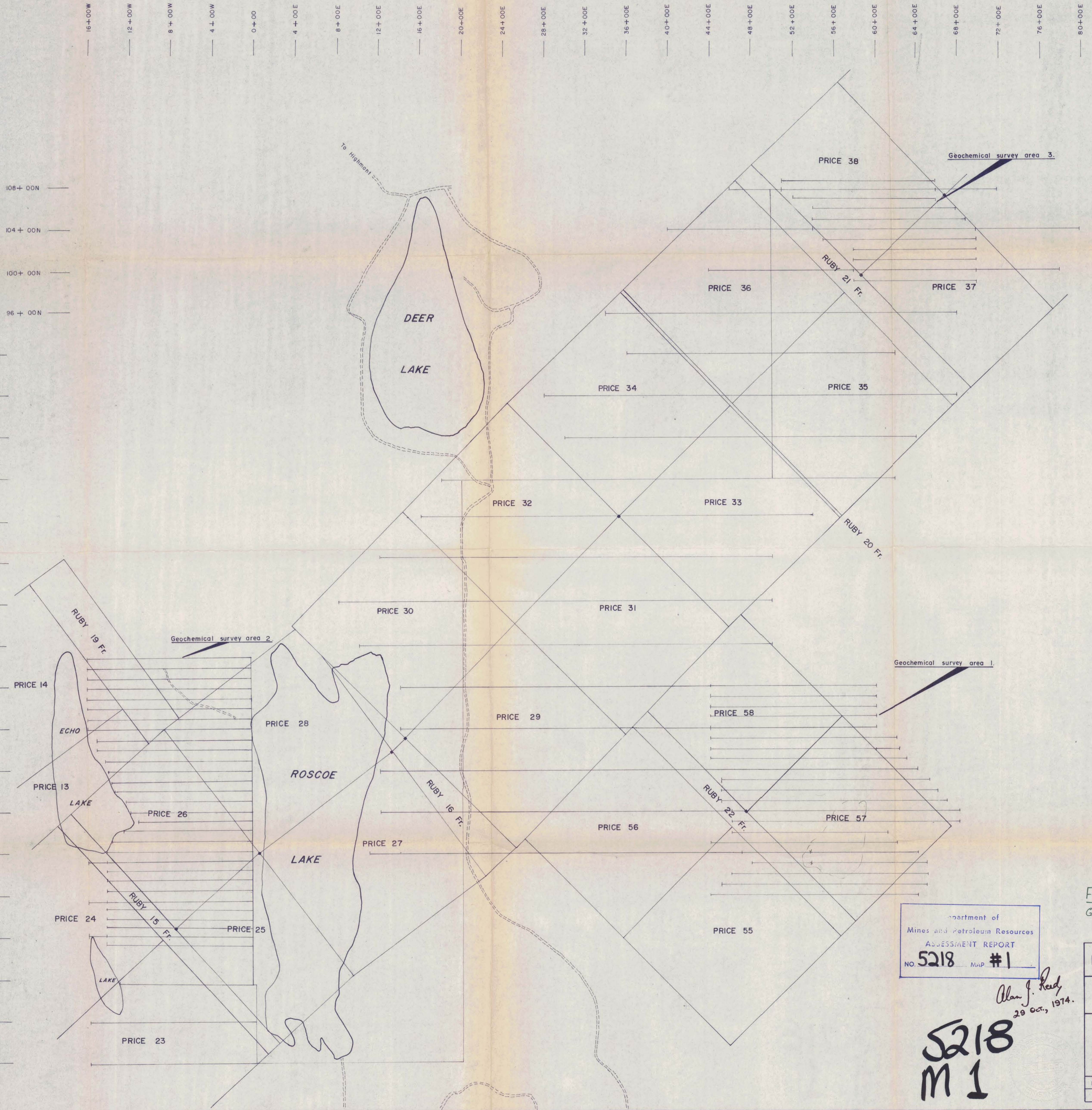
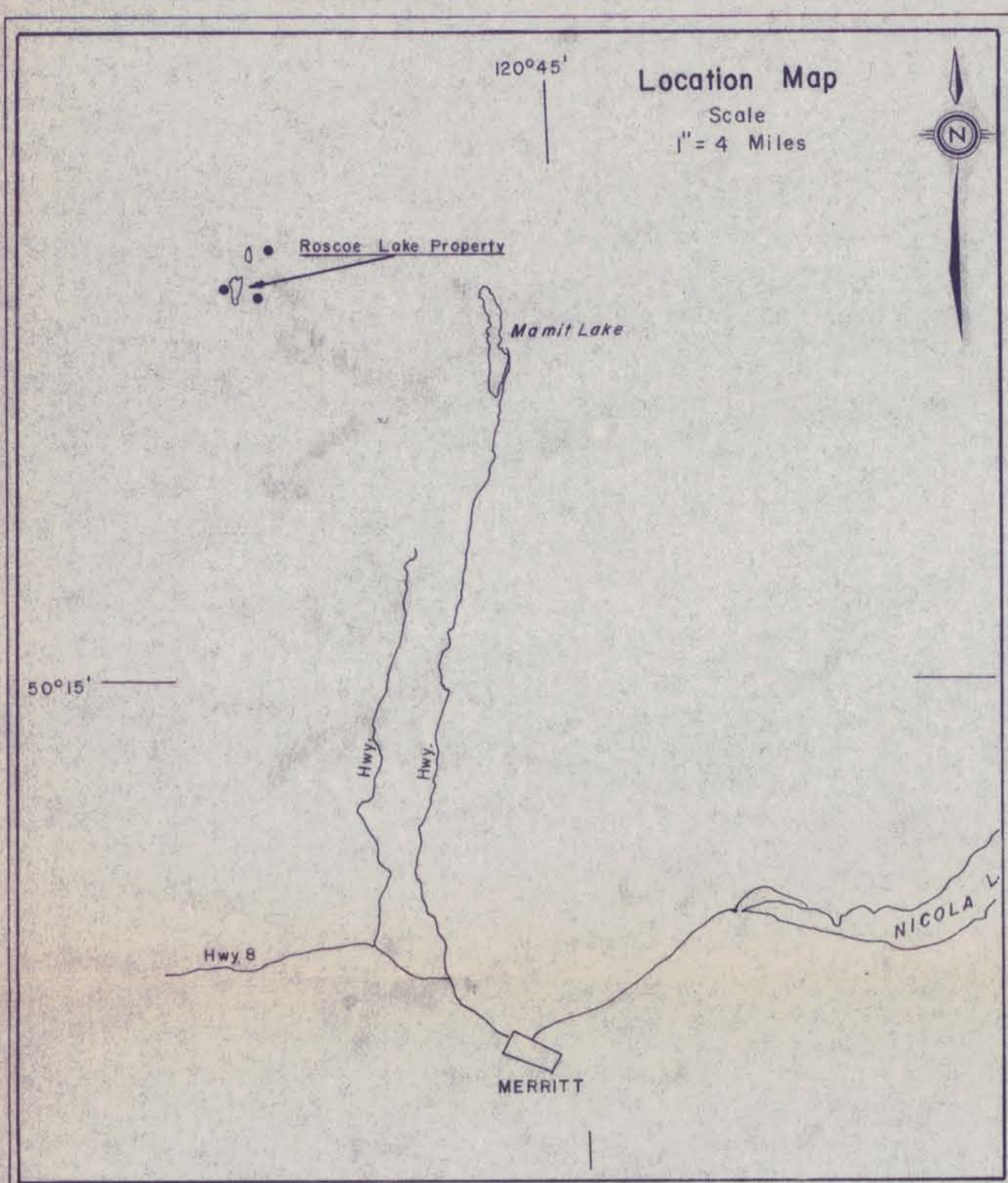
200 ppm. isograd.

FIGURE 5
Geochem. Rept. by A. J. Reed, P. Eng.,
29 Oct., 1974.
HIGHMONT MINING CORP. LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area I.

Cu (ppm) **5218**
M5
SCALE: 1" = 200'
DATE: OCTOBER 1974 JOB NO. 046

Alan J. Reed
29 Oct., 1974.





- LEGEND**
- Claim post
 - Claim boundary
 - Grid line
 - Road

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5218 MAP #1

Alan J. Reed
29 Oct., 1974.
5218
M 1

FIGURE 1.
Geochem. Rept. by A.J. Reed, P. Eng.
29 Oct., 1974.

HIGHMONT MINING CORP. LTD (NPL)	
PATHFINDER RESOURCES LTD. ROSCOE LAKE PROPERTY Kamloops Mining Division	
CLAIM MAP	
DATE: OCTOBER 1974	JOB NO: 1046
N.T.S. 92 1/SE	DWG. NO:



18W	16W	14W	12W	10W	8W	6W	4W	2W	0									
58	78	52	52	46	34	38	34	48	26	35	66	22	35	24	14	30		
62	85	68	185	71	42	132	42	44	10	36	60	29	32	60	19	20		
60	60	56	42	47	112	44	30	29	16	37	31	28	22	41	54	23	14	
55	57	30	20	20	36	31	29	26	44	40	28	46	113	68	21	36	20	
108	70	84	48						40	32	36	68	18	56	28	40	65	1470
73	44	51	80	62	24	61	41	48	43	48	70	66	16	22	31	48	5	
23	64	28	80	228	74	52	76	44	35	54	65	45	44	126	14	24	17	
92	96	122	89	70	120	112	42	55	67	31	96	74	104	21	18	70		
32	29	66	44	78	60	32	32	40	40	16	36	46	79	50	26	32		
68	180	76	64	178	47	33	39	26	26	48	52	8	97	38	31			
68	100	94	48	36	180	89	75	40	26	44	22	80	70	75				
18	107	20	60	96	38	38	27	26	26	33	8	83	13	36				
45	75	144	96	225	54	50	38	43	52	27	48	38	30	212				
107	88	30	125	78	74	31	26	40	28	12	23	11	88	32				
124	36	63	73	77	188	24	19	25	62	20	12	24	67					
108	60	76	108	107	61	33	63	37	21	32	10	22						
81	120	113	125	58	35	30	30	27	27	14	36							
67	83	102	86	80	144	56	14	45	28	30	44	116	35					
64	28	47	112	156	179	220	136	65	16	44	32	36	105	25				
116	56	68	83	76	160	168	160	82	14	25	38	36	109	30				
88	21	49	59	76	97	106	128	64	39	10	48	49	44	30				
87	76	48	51	110	122	164	79	106	72	20	6	37	38	30				
56	92	52	25	50	80	117	93	68	104	44	29	27	24	26				
47	48	18	28	30	94	68	79	167	39	72	56	80	50	20				
72	22	10	45	44	268	44	47	53	26	52	112	27	44	24				
114	17	17	12	136	74	53	79	51	310	75	48	304	32					
118	186	80	26	27	64	28	170	64	17	51	122	28	21	17				
58	50	66	38	30	24	85	156	185	89	108	44	75	46	30				
46	51	64	32	44	41	40	80	51	52	123	64	76	4	21				
40	45	36	24	50	180	100	33	83	53	110	124	13	1600	140				

○ 150 ppm isograd.

HIGHMONT MINING CORP.
LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 2.

Cu. (ppm)

SCALE 1" = 200'
DATE: OCTOBER 1974 JOB NO. 1046



18W	16W	14W	12W	10W	8W	6W	4W	2W	0								
1	NO	NO	NO	NO	3	NO	1	3	1	1	NO	1	1	2	1	3	
3	1	1	NO	NO	2	4	1	1	2	2	3	1	4	3	11	4	
4	1	NO	1	1	7	1	1	NO	NO	2	2	2	2	3	6	4	6
2	1	4	4	2	1	7	NO	NO	1	1	2	2	2	2	4	4	3
NO	2	1	3				NO	2	1	2	3	NO	3	3	1	19	
1	2	1	2	1	1	1	NO	NO	1	1	3	2	4	3	2	NO	1
1	1	1	1	2	1	1	1	1	NO	1	3	4	4	1	6	4	3
1	NO	1	NO	1	3	2	1	NO	2	1	NO	1	1	1	3	1	
3	2	2	NO	NO	1	2	1	NO	NO	1	NO	NO	NO	NO	NO	NO	
NO	NO	3	2	1	2	1	2	1	1	1	2	NO	1	NO	5		
1	2	1	NO	1	1	1	1	2	3	1	4	NO	1	NO			
1	1	1	2	NO	1	NO	1	1	NO	2	NO	NO	3	4			
2	2	2	2	2	2	2	1	1	1	NO	1	1	1	1	1		
14	2	1	2	1	1	1	1	1	4	2	1	2	4	3			
10	7	3	3	2	2	1	1	2	2	1	NO	1	1				
9	2	1	1	1	1	1	NO	1	1	2	NO	1					
NO	2	3	1	3	3	1	NO	2	2	NO	2						
2	2	2	2	2	NO	1	NO	2	1	1	1	1	1				
2	NO	1	2	1	1	2	2	1	2	3	1	1	1	1			
1	1	NO	2	1	2	1	1	1	NO	2	2	NO	1	2			
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
2	2	1	1	2	1	NO	1	1	1	1	1	2	2	NO			
2	2	1	1	2	2	1	1	1	1	1	2	2	3	1			
2	3	NO	3	1	1	1	1	1	NO	3	1	1	NO	2			
2	NO	2	NO	2	NO	NO	NO	1	1	NO	1	2	3	3			
1	1	3	2	1	2	2	NO	1	1	1	1	2	1				
2	2	1	1	NO	NO	NO	NO	2	NO	2	1	1	NO	1			
1	1	NO	NO	NO	NO	NO	1	NO	NO	2	NO	NO	1	NO			
1	NO	NO	NO	NO	1	1	NO	1	NO	1	NO	NO	NO	1			
1	NO	NO	1	2	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		

NO denotes 'not detected'

HIGHMONT MINING CORP.
LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 2.

Mo. (ppm)

SCALE 1" = 200'
DATE: OCTOBER 1974 JOB NO. 1046



18W	16W	14W	12W	10W	8W	6W	4W	2W	0									
0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	
0.6	0.4	0.4	0.6	0.2	0.3	0.6	0.3	0.3		0.2	0.3	0.4	0.3	0.5	0.2	0.4	<0.2	
0.2	0.4	0.4	0.4	0.2	0.6	0.3	0.2	<0.2		<0.2	0.4	0.4	0.5	0.2	0.2	0.4	0.2	0.2
0.4	0.4	0.6	0.6	0.2	0.2	0.2	0.2	<0.2	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	<0.2	
0.2	0.3	0.3	0.3					<0.2	0.4	0.2	0.3	0.4	0.2	0.4	0.3	0.3	1.2	
0.2	0.5	0.6	0.5	0.3	0.4	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.3	<0.2	
<0.2	0.4	0.2	0.4	0.6	0.4	0.4	0.6	0.4	0.2	0.3	0.4	0.4	0.4	0.6	0.4	0.2	<0.2	
0.3	0.2	0.6	0.4	0.6	0.6	0.5	0.4	0.3	0.5	0.2	0.4	0.4	0.3	0.2	0.2	0.2		
0.2	0.5	0.5	0.2	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	<0.2	0.3	
0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.3	0.3	0.3	0.2	<0.2	0.3	0.2	0.3			
0.4	0.6	0.3	0.5	0.5	0.8	0.4	0.4	0.6	0.5	0.3	0.4	0.4	0.4	0.4	0.3			
0.3	0.6	0.4	0.4	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4		
0.4	0.5	0.6	0.4	0.4	0.6	0.3	0.3	0.4	0.4	0.2	0.4	0.6	0.2	0.6				
0.3	0.5	0.3	0.4	0.4	0.4	0.2	0.3	0.4	0.6	0.3	0.3	0.6	0.8	0.6				
0.3	0.2	0.3	0.4	0.4	0.5	0.3	0.2	0.5	0.6	0.3	0.3	0.4	0.5					
0.4	0.4	0.3	0.2	0.4	0.5	0.3	0.3	0.3	0.4	0.6	0.3	0.4						
<0.2	0.5	0.5	0.3	0.3	0.4	0.2	0.2	0.5	0.5	0.3	0.4							
0.5	0.5	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.3	0.4	0.6	0.5					
0.3	0.4	0.5	0.6	0.5	0.6	0.6	0.5	0.3	0.4	0.5	0.2	0.4	0.3	0.3				
0.4	0.5	0.2	0.6	0.6	0.7	0.4	0.5	0.4	0.3	0.4	0.3	0.3	0.4	0.2				
0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.4	0.4	0.4	0.2				
0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.6	0.4	0.4	0.5	0.2	0.4	0.6	0.2				
0.4	0.5	0.6	0.3	0.4	0.6	0.4	0.5	0.4	0.5	0.6	0.4	0.6	0.4	0.4				
0.5	0.8	0.3	0.3	0.3	0.4	0.3	0.5	0.6	0.3	0.4	0.4	0.3	0.3	0.4				
0.4	0.3	0.3	0.2	<0.2	0.4	0.2	0.4	0.2	0.5	0.4	0.4	0.6	0.5	0.6				
0.3	0.2	0.2	0.2		0.3	0.6	0.3	0.4	0.4	0.5	0.4	0.4	0.4	<0.2				
0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.7	0.2	0.3	0.3				
0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.4	0.5				
0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.5	0.5	0.3	0.3	0.6	0.6	<0.2	0.3				
0.3	0.3	0.4	0.7	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.4	0.3				

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5218 MAP #7

FIGURE 7
Geochem. Rept. by A.J. Reedy, P.Eng.,
29 Oct., 1974.

HIGHMONT MINING CORP.
LTD. (NPL)
PATHFINDER RESOURCES LTD.
ROSCOE LAKE PROPERTY
Kamloops Mining Division
Geochemical Survey Area 2.

A.J. Reedy
29 Oct., 1974.

5218 M7 Ag. (ppm)
SCALE 1" = 200'
DATE: OCTOBER 1974 JOB NO. 1046



	44E	46E	48E	50E	52E	54E	56E	58E	60E	62E	64E	66E	68E			
60N	1	1	2	2	3	5	1	2	1	2	1	2	1	ND	1	ND
58N	ND	1	4	1	2	5	2	1	ND	4	2	ND	ND	ND	ND	ND
56N	2	2	1	ND	4	2	ND	ND	ND	3	2	2	2	1	1	1
54N	ND	1	1	1	4	ND	ND	2	1	4	1	ND	ND	2	1	2
52N	1	4	1	ND	ND	ND	ND	2	2	1	8	1	1	1	1	2
50N	14	3	2	2	3	4	3	ND	1	4	1	1	1	1	2	1
48N	6	5	3	9	5	3	2	2	3	1	1	1	4	2	2	1
46N	2	5	1	1	2	2	1	2	1	1	8	5	1	3	4	2
44N	3	2	2	2	2	2	4	4	8	10	7	8	7	18	6	14
42N	2	1	1	ND	ND	ND	8	1	7	8	5	5	7	4	16	4
40N	3	2	ND	1	ND	1	2	2	7	8	2	ND	12	25	19	5
	2	1	1	1	2	1	1	1	2	2	2	5	6	4	10	7
	1	ND	ND	2	1	1	ND	2	2	2	ND	ND	10	4	7	4
	1	1	1	2	1	1	1	2	2	1	1	ND	2	6	7	8
	1	2	2	1	2	ND	ND	1	1	1	1	2	3	3	7	12
	3	2	1	1	1	1	2	3	1	5	10	6	12	4	2	5
	2	1	2	1	1	3	18	3	10	12	9	7	15	5	5	ND
	2	ND	5	1	3	2	15	2	4	1	2	2	4	2.6	5	7
	2	3	3	1	2	2	2	ND	2	4	2	2	1	2	10	7
	2	3	2	1	1	ND	2	2	2	3	5	5	1	1	7	2

ND denotes 'not detected'

10 ppm isograd.

HIGHMONT MINING CORP. LTD. (NPL)
 PATHFINDER RESOURCES LTD.
 ROSCOE LAKE PROPERTY
 Kamloops Mining Division
 Geochemical Survey Area I.

Mo (ppm)

SCALE 1" = 200'
 DATE: OCTOBER 1974 JOB NO. 1046



	44E	46E	48E	50E	52E	54E	56E	58E	60E	62E	64E	66E	68E			
60N	0.8	0.6	0.5	0.4	0.3	0.1	0.8	0.5	0.6	0.7	0.7	0.7	0.4	0.7	0.6	1.0
58N	0.4	0.3	0.3	0.7	0.5	0.7	0.5	0.8	0.6	1.2	0.6	0.6	0.6	0.6	0.8	0.8
56N	1.2	0.5	0.6	0.3	0.6	0.6	1.0	1.1	0.5	0.4	0.8	0.7	1.0	0.7	0.8	0.8
54N	0.6	0.8	0.8	0.4	1.0	0.8	0.8	0.6	0.5	0.6	0.7	0.5	0.7	1.0	0.8	1.5
52N	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.5	0.8	0.8	0.8	0.9	0.9	0.9	0.7	0.6
50N	0.7	0.4	0.4	0.1	0.8	0.4	0.5	0.7	0.6	0.8	0.6	0.8	0.6	0.7	0.6	0.6
48N	1.2	0.5	0.3	0.5	1.3	0.3	0.3	0.4	0.4	0.4	0.6	0.4	0.6	0.6	0.7	0.5
46N	0.6	1.0	0.5	0.6	0.5	0.4	0.5	0.6	0.8	1.6	0.4	0.4	1.1	0.6	0.4	0.5
44N	0.7	0.6	0.5	0.5	0.6	0.7	0.4	0.7	0.4	0.5	1.1	0.4	0.5	0.6	0.6	0.7
42N	0.4	0.6	0.7	0.6	0.7	0.5	0.4	0.8	0.8	0.8	0.6	0.9	1.0	0.4	0.9	0.7
40N	0.6	0.7	0.6	0.4	0.6	0.6	0.8	0.4	1.0	0.2	0.4	1.1	0.9	0.8	0.6	1.0
	0.4	0.4	0.4	0.5	0.6	0.4	0.6	0.4	1.2	0.4	0.5	0.4	0.6	0.8	0.8	0.5
	0.2	0.4	0.6	0.4	0.4	0.3	0.5	0.4	0.6	0.2	0.8	0.5	0.6	0.8	0.4	1.0
	0.2	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.6	0.2	0.6	0.6	0.8	1.0	0.8	1.0
	0.4	0.6	0.6	0.6	0.5	0.6	0.7	0.4	0.6	0.6	0.6	0.7	0.7	0.9	1.0	0.7
	0.6	0.4	0.7	0.6	0.6	0.4	0.6	0.6	0.5	0.6	0.5	0.7	0.8	0.9	1.4	0.5
	0.5	0.6	0.6	0.7	0.6	0.6	0.3	0.6	0.7	0.7	0.8	0.9	1.2	0.6	0.6	0.7
	0.4	0.6	0.6	0.4	0.6	0.6	0.8	0.6	0.6	0.6	1.3	0.8	1.0	0.4	0.8	0.7
	1.5	0.6	0.4	0.6	0.6	0.5	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.4
	0.6	0.7	0.9	0.6	0.4	0.5	0.7	0.6	0.6	1.0	0.6	1.0	0.6	0.6	0.4	0.4
	0.2	0.7	0.7	0.6	0.4	0.4	0.7	0.5	0.4	0.4	0.8	0.8	0.4	0.4	0.6	0.4

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5218 MAP. #6

FIGURE 6
 Geochem. Rept. by A.J. Reed, P. Eng.,
 29 Oct., 1974.

1.2 ppm. isograd.
 HIGHMONT MINING CORP. LTD. (NPL)
 PATHFINDER RESOURCES LTD.
 ROSCOE LAKE PROPERTY
 Kamloops Mining Division
 Geochemical Survey Area I.

Ag (ppm)

SCALE 1" = 200'
 DATE: OCTOBER 1974 JOB NO. 1046

5218
 M6