

GEOCHEMICAL REPORT ON THE SPOT NO. 1 ;
COP Nos 1, 2, 25 TO 30; KEN 2; KENT 1,2 AND
ALPINE 1-8 CLAIMS, PART OF THE EAST GROUP

LOCATED: 14 miles north of Lytton, B.C.
(49° 27'N, 121° 37'W) KAMLOOPS, M.D.

BY: H. M. Jones, P. Eng. Geologist

EL PASO MINING AND MILLING COMPANY
AUGUST 24 - OCTOBER 5, 1972

3937

3937

GEOCHEMICAL REPORT ON THE SPOT No 1;

COP Nos 1, 2, 25, TO 30; KEN 2; KENT 1, 2,

AND

ALPINE 1 - 8 CLAIMS, PART OF THE EAST GROUP

LOCATED - 14 miles North of Lytton, B.C.
(49° 27'N, 121° 37' W.)

KAMLOOPS MINING DIVISION, B.C.

BY



HAROLD M. JONES - (P. Eng.) Geologist

EL PASO MINING AND MILLING COMPANY

AUGUST 24 - OCTOBER 5, 1972

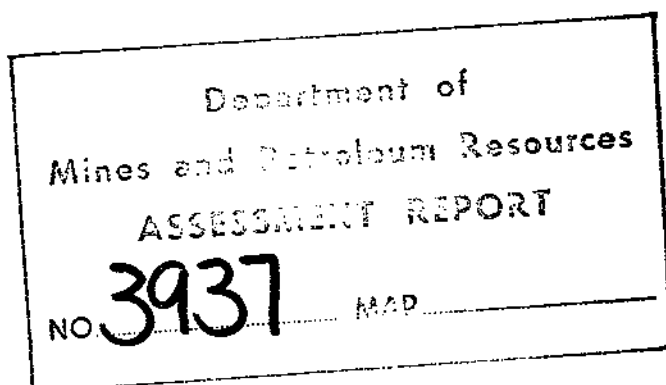


TABLE OF CONTENTS

	<u>PAGE</u>
Summary	1
Introduction	2
Fieldwork	5
General Geology	6
Geochemical Results.....	6 - 7
1. Copper	6
2. Silver	7
3. Molybdenum	7 - 11
Conclusions	11
Appendix A - Soil Assasy	12
Appendix B - Statement of Qualifications	34
Appendix C - Statement of Costs	36

ILLUSTRATIONS

#1 Figure 1 - Location map, Izman Creek Property	3
#2 Figure 2 - Claim map, Izman Creek property	4
#3 Figure 3 - Frequency Curve, Copper in Soils	8
#4 Figure 4 - Frequency Curve, Silver in Soils.....	9
#5 Figure 5 - Frequency Curves, Molybdenum in Soils.....	10
#6 Map - 92-I-5-A1 - Geochemical Soils, copper in P.P.M. - East Group, Izman Creek Property	- Map Pocket
#7 Map - 92-I-5-A3 - Geochemical Soils, Silver in P.P.M. - East Group, Izman Creek Property	- Map Pocket
#8 Map - 92-I-5-A2 - Geochemical Soils, Molybdenum in P.P.M.-Map Pocket - East Group, Izman Creek Property	- Map Pocket

SUMMARY

A geological soil survey was conducted between August 24th and October 5th, 1972 on the Spot No 1; Cop Nos. 1, 2, 25 to 30; Ken Nos 1 and 2; and Alpine Nos 1 to 8 Claims by El Paso Mining and Milling Company, who have optioned the ground from Santana International Resources Ltd. These claims are located approximately 14 miles north of Lytton, B.C.

The claims are underlain by a pendant of altered sediments and volcanics enclosed within the Lytton batholith. Narrow quartz veins mineralized with chalcopyrite and molybdenite follow fractures and faults in the altered rocks. Copper and molybdenum soil anomalies approximately outline this mineralized zone. Weak silver anomalies also coincide with the above anomalies.

Geological mapping of the area is necessary to assess the anomalous area.

Hm
J

INTRODUCTION

Between August 24th and October 5th, 1972 a geochemical soil survey was completed on the Izman Creek copper prospect by a field crew of two to three men, working for El Paso Mining and Milling Company. The work was done on the Spot No 1; Cop 1, 2, 25 to 30; Ken, Nos 1 and 2, and Alpine Nos 1 to 8 which are owned by Santana International Resources Ltd., and are part of a larger block of claims owned by that company. The claims upon which the work was done are a part of those included in grouping notice for the East Group.

The claims are located 14 miles north of Lytton, B.C., and 3 miles east of the Fraser River. They cover the top and north and south slopes of a mountain which is bounded on the north, west and south by Izman Creek and one of its tributaries. Topography in the claims area is steep, except at the top where the land surface is rolling.

Vegetation consists of thick jack pine on the north slopes and mixed open grassy meadows and thinner pine stands on the southern slopes.

Outcrop is fairly abundant at the higher elevations, especially on the south slope. Lower areas are either talus or alluvial covered.

Access to the property is by highway 12, north of Lytton for 14 miles, then by Izman Creek forestry access road for 3 miles.

H.M.D.



EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

**FIGURE I
LOCATION MAP
IZMAN CREEK PROPERTY
LYTTON AREA, B. C.**

DRAWN BY:	K.E.J.	DATE	NOV. 1972	SCALE	1 Inch = 4 Miles
TRACED BY:		DATE			
REVISED	DATE	REVISED	DATE		
				DRAWING No.	

M-1
3937

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3937 MAP # 1

7000



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3937 MAP # 2

EL PASO MINING AND MILLING COMPANY				
DEL NORTE MINING GROUP				
FIGURE 2 CLAIM MAP IZMAN CREEK PROPERTY LYTTON AREA, B.C.				
DRAWN BY:	S.L.G.	DATE:	NOV. 1975	SCALE:
TRACED BY:		DATE:		1" = 2640'
REVISED:	DATE:	REVISED:	DATE:	
				DRAWING NO.

Handwritten signature or initials.

FIELDWORK

A geochemical soil survey was completed over a part of the East Group during the period August 4 to October 5, 1972 by El Paso Mining and Milling Company. For grid control, several roads on the property were surveyed using Brunton Compass and nylon rope chain, marking each station with a wood peg at every corner in the road or each 200 foot interval, whichever was the shorter distance. A gate on the road was designated 100,000 North and 100,000 East. North-south grid lines were run at 400 foot spacings from approximately 9,200N to 16,300N between 6,800E and 10,800E. These lines are of varying lengths due to the location of the roads and/or claim boundaries. All grid lines were tied to the control survey along the roads.

Soil samples were taken at 200 foot intervals along each grid line using a mattock. They were taken from the "B" horizon wherever possible but in areas of talus and swampy ground, the favourable horizon either could not be found or no soil was available for sampling. Some of these samples included appreciable organic material. Each sample was placed in a kraft envelope upon which was marked the sample number, co-ordinates and description of the character of the sample. A total of 297 samples were collected and analyzed for total copper, molybdenum and silver by Min-En Laboratories Ltd., 705 West 15th Avenue, North Vancouver, B.C. Frequency curves were plotted for copper, molybdenum and silver and from these plots and some statistical analysis, the background and anomalous values were established. The copper, molybdenum and silver values in parts per million were plotted on base maps on a scale of one inch equals 200 feet and contoured to indicate the anomalous results for each metal. These contour maps are included in the pocket at the back of this report.

Handwritten signature

GENERAL GEOLOGY

The Izman Creek area is underlain by lower Cretaceous granodiorite of the Mount Lytton batholith. It is in fault contact to both the east and the west of the property with rocks of lower Cretaceous age. To the east are volcanics and sediments of the Spences Bridge Group and to the west by sediments of the Jackass Mountain and Lillooet Groups.

A small pendant of Permian or earlier Cache Creek rocks outcrops within the claims area. This pendant, which includes garnet-epidote skarn, limestone, andesite, and dioritized andesite is enclosed within the granodiorite of the batholith. A swarm of narrow quartz veins, mineralized with chalcopyrite, malachite and minor molybdenite crosscut the skarn zone.

GEOCHEMICAL RESULTS

The field work for this report also covered an adjacent block of contiguous claims which are grouped as the West Group. The latter claims are part of the Santana International Resources Ltd., property and are underlain by similar geology to the claims to the East Group. For this report all geochemical data was combined in determining the arithmetic means and plotting the frequency distribution curves.

1. COPPER

The arithmetic means of all the copper analyses is 161 ppm, but from the frequency curve for copper (Figure 3) the norm or background value is about 50 ppm. The wide variation between the two values is due to the smaller number of very high copper assays. The possible anomalous copper range is taken as two to four times background or 100 to 200 ppm. Probably anomalous values range from four to eight times background or 200 to 400 ppm.



Definitely anomalous values are those above 400 ppm.

All copper analyses are plotted on Map No: 92-I-5-A1, which shows a significant anomaly developing on the western part of the sample grid. This anomalous area is centered at 12,000N, 10,400E and appears to coincide with the eastern end of the mineralized skarn zone.

2. SILVER

The arithmetic means of all silver values is 0.85 ppm., and from the frequency curve for silver (Figure 4) the norm or background is about 0.80 ppm. Possibly anomalous silver range is taken as two to three times background or 1.6 to 2.4 ppm; probably anomalous range as three to four times background or 2.4 to 3.2 ppm; and definitely anomalous as all values greater than 3.2 ppm.

All silver results are plotted on Map No: 92-I-5-A3, which shows two weak anomalies centered at 12,400N, 10,400E and 12,100N, 10,300E. These appear to be related to the eastern end of skarn zone.

3. MOLYBDENUM

The arithmetic mean of all molybdenum analyses is 4.5 ppm. From the frequency curve for molybdenum (Figure 5) the norm or background is approximately 3.0 ppm. Possibly anomalous molybdenum values are 6 to 9 ppm; probably anomalous 9 to 12 ppm and definitely anomalous are values greater than 12 ppm.

Handwritten signature

FIGURE 3
FREQUENCY DISTRIBUTION CURVE
COPPER IN SOILS
IZMAN CREEK PROPERTY
LYTTON AREA, B. C.
OCTOBER 31st 1972

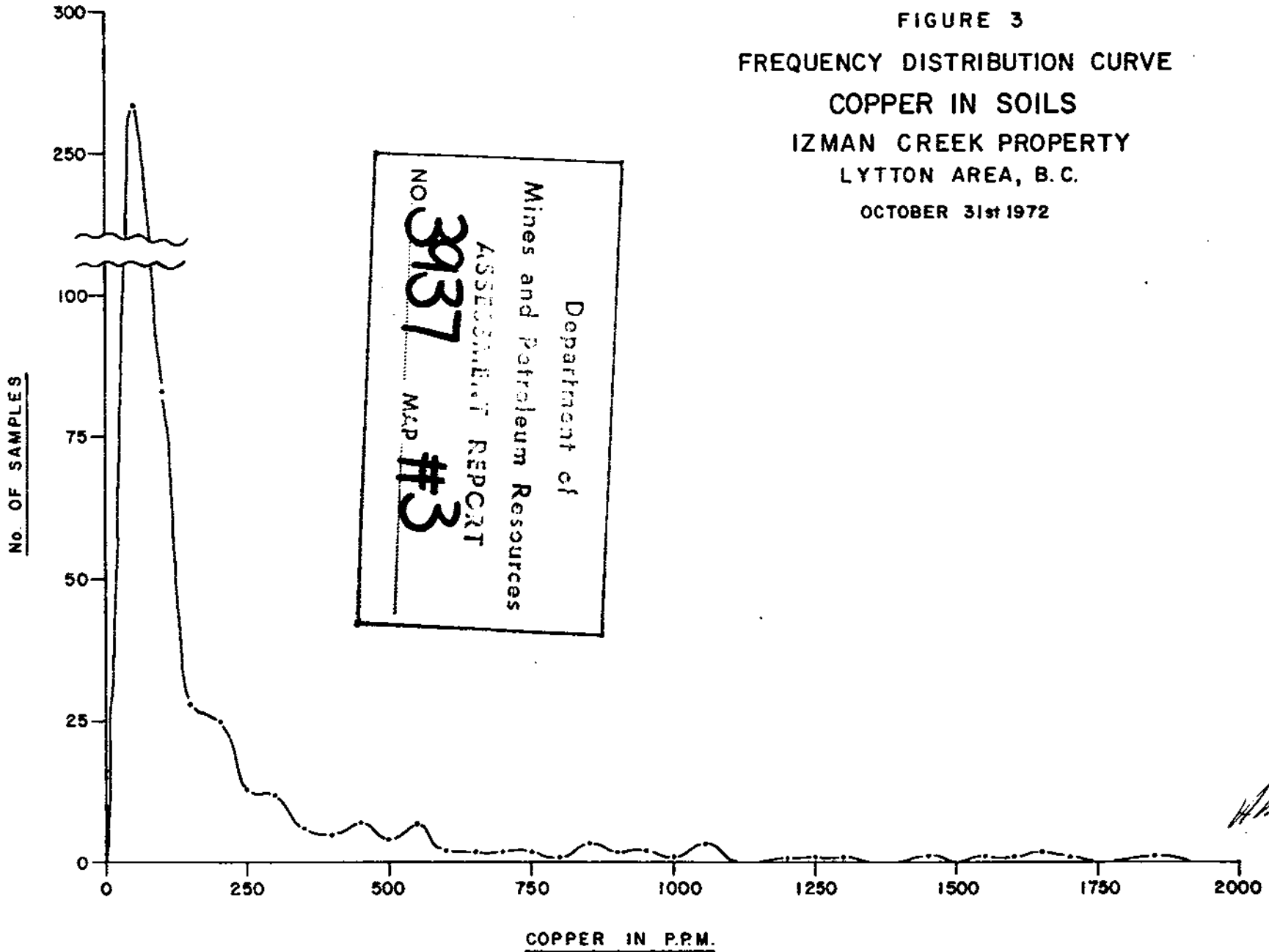
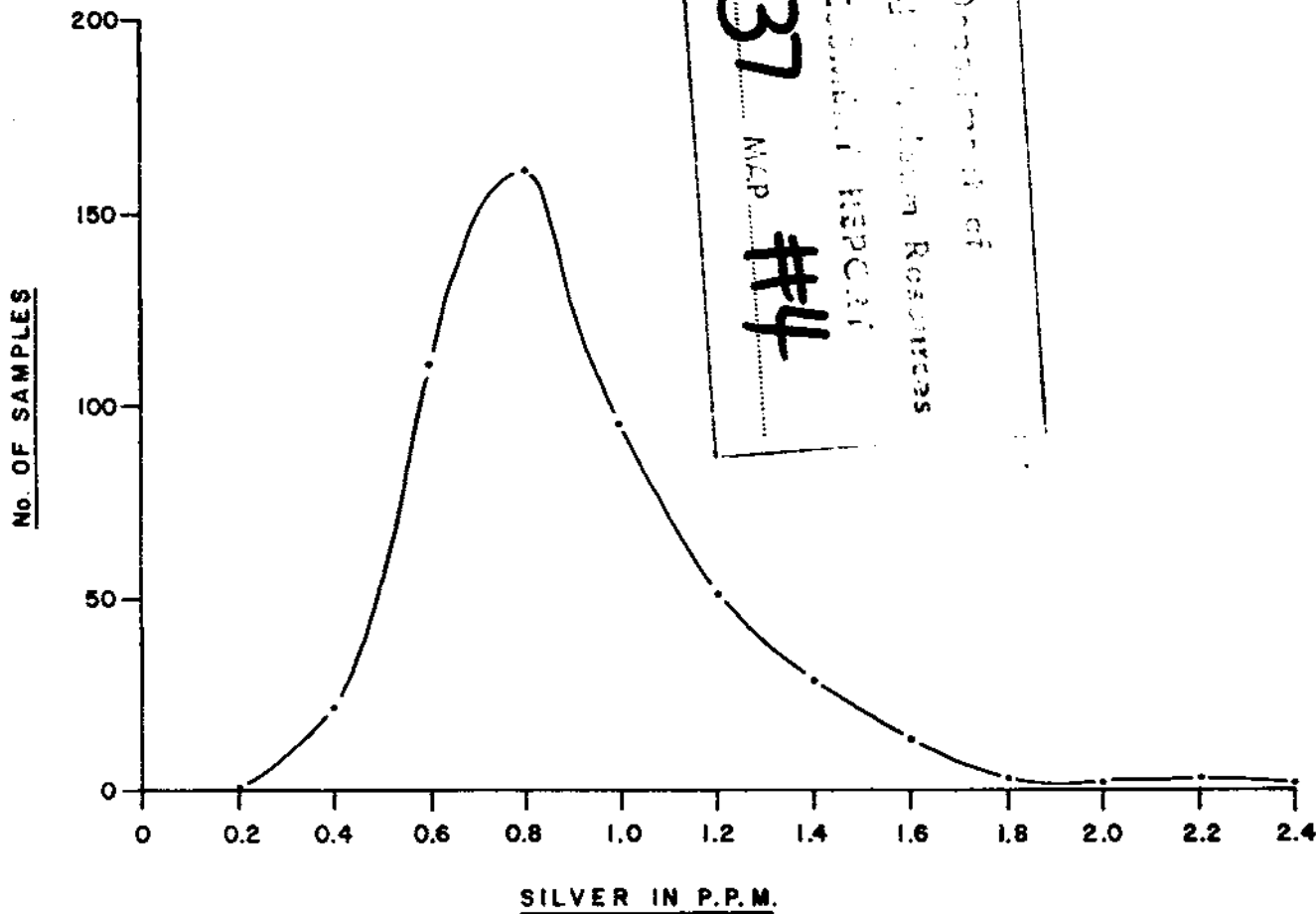


FIGURE 4
FREQUENCY DISTRIBUTION CURVE

SILVER IN SOILS
IZMAN CREEK PROPERTY
LYTTON AREA, B.C.

OCTOBER 31st 1972

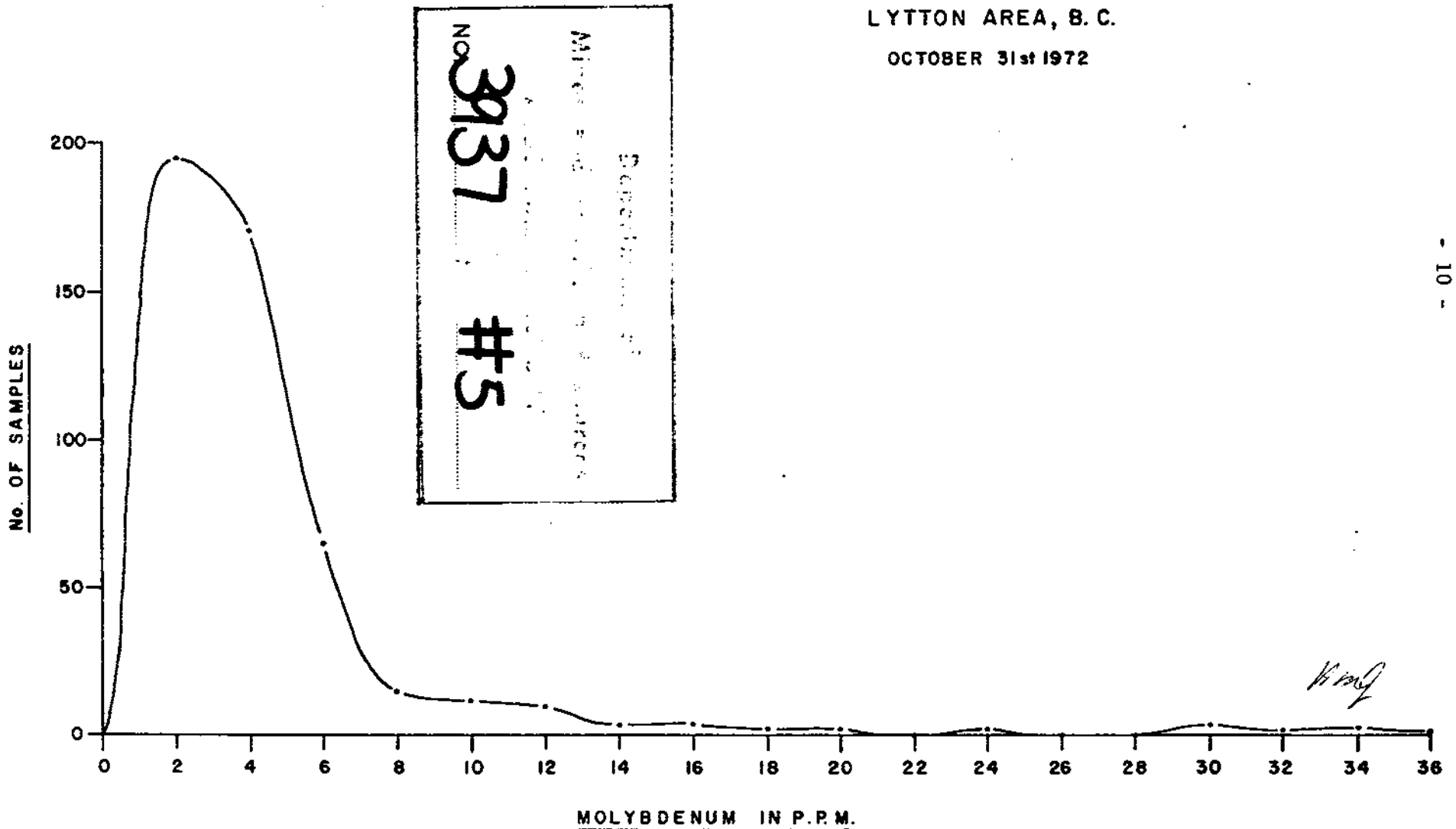
Department of
Mines and Technical Resources
ASSESSMENT REPORT
NO. 3937 MAP #4



Handwritten signature

FIGURE 5
FREQUENCY DISTRIBUTION CURVE
MOLYBDENUM IN SOILS
IZMAN CREEK PROPERTY
LYTTON AREA, B. C.

OCTOBER 31st 1972




All molybdenum results are plotted on Map No: 92-I-5-A2, which shows two small anomalies, one centered at 13,000N, 11,200E and the other at 12,400N, 10,400E. These anomalies appear to coincide with the eastern end of the skarn area and to extend downslope from it.

CONCLUSION

The results of the geochemical survey show coincident copper, molybdenum and to a lesser degree silver anomalies over the skarn section of the pendant. These anomalies are significant because several areas of interesting copper mineralization are known within the anomalous areas.

Geological mapping must be done in the survey area to assess these geochemical anomalies.

Vancouver, B.C.



Harold M. Jones,
Senior Geologist,
El Paso Mining and Milling Company

HMJ/dr

November 6, 1972

APPENDIX A

SOIL ASSAYS

COMPANY: El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

FILE No. _____

PROJECT No.: 186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Sept 6,
1972.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6 81	10 86	15 90	20 95	25 100	30 105	35 110	40 115	45 120	50 125	55 130	60 135	65 140	70 145	75 150	80 155
230001	8	410					10					.			
.02	1	104					08					.			
.03	5	530					12					.			
.04	5	260					06					.			
.05	4	410					09					.			
.06	29	1250					12					.			
.07	6	250					10					.			
.08	30	190					14					.			
.09	2	600					14					.			
.10	10	880					10					.			
.11	6	1700					12					.			
.12	3	130					15					.			
.13	5	140					08					.			
.14	4	150					07					.			
230015	5	260					08					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			
							.					.			

RECEIVED
SEP. - 7 1972
El Paso Mining & Milling Co.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6 81	10 86	15 95	20 100	25 105	30 110	35 115	40 120	45 125	50 130	55 135	60 140	65 145	70 150	75 155	80 160
230045	2	30					0.8					?			
46	2	37					1.2					?			
47	1	5.0					0.8					?			
48	1	2.8					0.7					?			
49	1	2.0					0.7					?			
50	1	7.1					0.8					?			
51	2	9.0					0.8					?			
52	3	9.5					0.6					?			
53	2	11.0					0.7					?			
54	2	4.2					0.5					?			
55	1	4.8					0.5					?			
56	2	8.9					0.6					?			
57	5	21.0					0.6					?			
58	3	12.2					0.9					?			
59	3	8.1					0.8					?			
60	2	7.3					0.8					?			
61	3	19.0					0.9					?			
62	8	20.0					1.0					?			
63	2	23.0					1.5					?			
64	4	27.5					1.0					?			
65	2	24.0					0.8					?			
66	4	42.0					0.9					?			
67	3	37.0					0.9					?			
68	2	5.4					0.7					?			
69	2	8.7					0.7					?			
70	4	18.5					0.8					?			
71	2	22.0					0.9					?			
72	3	19.0					1.0					?			
73	1	5.4					0.6					?			
230074	3	2.1					0.6					?			

RECEIVED
 SEP - 7 1972
 El Paso Mining & Milling Co.

CERTIFIED BY *Silbert V. Henscalle*

COMPAN

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No. _____

PROJECT No.:

186-Cu 26

MIN - EN Laboratories Ltd.

DATE: Sept 22
1972.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230081	4	30					1.3								
82	5	12					0.4								
83	2	25					0.7								
84	2	4.3					0.8								
85	4	4.7					0.8								
86	4	2.2					0.8								
87	4	6.3					0.9								
88	4	3.7					0.7								
89	6	4.5					0.8								
90	3	8.4					1.3								
91	3	3.7					0.4								
92	3	2.7					1.0								
93	4	5.8					1.2								
94	3	6.6					1.0								
95	3	2.2					0.9								
96	4	2.4					0.7								
97	3	2.8					0.8								
98	3	2.5					0.9								
99	3	3.3					1.2								
100	4	3.8					0.8								
01	4	2.4					1.0								
02	3	2.4					0.8								
03	4	4.0					1.2								
04	3	4.7					1.2								
05	3	1.8					0.8								
06	4	4.5					1.2								
07	3	8					0.3								
08	4	5.2					1.3								
09	4	3.3					0.9								
230110	5	2.3					0.5								

RECEIVED
SEP 25 1972
El Paso Mining & Milling Co.

COMPAN

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No. _____

PROJECT No.: _____

MIN - EN Laboratories Ltd.

DATE: Sept 22
1972.

6	10	15	20	25	30	35	40	45	50	55	60	65	75	80
Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm		
81	86	95	100	105	110	115	120	125	130	135	140	145	155	160
230111	3	36					09					?		
12	3	22					06					?		
13	4	26					08					?		
14	6	26					09					?		
15	6	40					10					?		
16	6	39					14					?		
17	5	14					05					?		
18	6	45					08					?		
19	4	118					10					?		
20	4	44					06					?		
21	3	29					05					?		
22	5	21					06					?		
23	4	77					10					?		
24	6	54					06					?		
25	2	58					06					?		
26	3	31					05					?		
27	3	33					05					?		
28	3	13					05					?		
29	2	17					07					?		
30	6	30					06					?		
31	2	36					06					?		
32	2	30					04					?		
33	2	26					06					?		
34	1	23					03					?		
35	1	19					03					?		
36	1	31					05					?		
37	1	28					03					?		
38	1	25					06					?		
39	1	24					06					?		
230140	1	20					04					?		

RECEIVED
SEP 25 1972
El Paso Mining & Milling Co.

100 L 100 PV.

COMPAN.

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No. _____

PROJECT No.: _____

MIN - EN Laboratories Ltd.

DATE: Sept 22
1972.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	160
230141	2	70					09					.			
42	1	22					06					.			
43	1	19					05					.			
44	2	27					05					.			
45	1	55					07					.			
46	2	41					05					.			
47	1	28					05					.			
48	2	49					07					.			
49	1	52					09					.			
50	1	18					05					.			
51	1	44					06					.			
52	2	69					06					.			
53	1	32					06					.			
54	1	26					04					.			
55	2	56					06					.			
56	1	18					05					.			
57	2	26					05					.			
58	2	17					09					.			
59	2	26					08					.			
60	3	16					06					.			
61	2	30					06					.			
62	2	23					04					.			
63	2	42					06					.			
64	3	19					05					.			
65	3	36					06					.			
66	2	24					06					.			
67	1	23					08					.			
68	2	21					06					.			
69	2	16					04					.			
230170	2	21					05					.			

RECEIVED
SEP 25 1972
El Paso Mining & Milling Co.

COMPAN El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No. _____

PROJECT No.: _____

MIN - EN Laboratories Ltd.

DATE: Sept 2
1972.

6 Sample Number	10 Mo pppm	15 Cu ppm	20 Pb ppm	25 Zn ppm	30 Ni ppm	35 Co ppm	40 Ag ppm	45 Fe ppm	50 Hg ppb	55 As ppm	60 Mn ppm	65 Au ppm	70	75	80
81 230201	86 2	90 14	100	105	110	115	120 03	125	130	135	140	145	150	155	160
.02	2	20					06								
.03	2	19					03								
.04	2	21					05								
.05	2	33					07								
230206	2	29					06								

RECEIVED
SEP 25 1972
El Paso Mining & Milling Co.

COMPAN

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

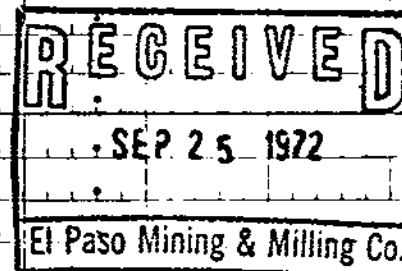
File No.

PROJECT No.:

MIN - EN Laboratories Ltd.

DATE: Sept 22
1972.

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	160
230171	3	22					05								
72	3	37					04								
73	3	19					05								
74	3	22					06								
75	2	13					03								
76	2	28					06								
77	2	25					05								
78	2	17					06								
79	2	18					04								
80	2	14					05								
81	2	17					04								
82	4	51					05								
83	4	68					06								
84	12	310					10								
85	20	215					08								
86	16	195					08								
87	11	160					07								
88	6	102					06								
89	12	100					07								
90	11	150					07								
91	4	81					08								
92	4	69					09								
93	4	44					08								
94	3	26					08								
95	4	24					07								
96	2	45					07								
97	2	34					07								
98	3	33					05								
99	2	40					06								
230200	2	33					04								



Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230207	12	5.00					1.8					?			
08	8	4.00					1.5					?			
09	6	2.30					1.4					?			
10	6	1.68					1.4					?			
11	24	2.00					1.3					?			
12	4	6.3					1.0					?			
13	2	6.2					1.1					?			
14	5	5.0					1.2					?			
15	4	5.4					1.1					?			
16	3	4.3					1.2					?			
17	3	7.8					1.3					?			
18	2	5.0					1.3					?			
19	3	3.8					1.3					?			
20	4	5.8					1.4					?			
21	3	3.8					1.2					?			
22	5	3.4					1.0					?			
23	2	2.4					1.0					?			
24	4	4.1					1.3					?			
25	2	3.1					1.2					?			
26	3	2.0					1.0					?			
27	2	1.6					0.8					?			
28	3	1.7					1.0					?			
29	3	1.9					0.9					?			
30	3	2.6					1.0					?			
31	2	4.4					1.1					?			
32	2	2.8					1.2					?			
33	2	3.6					1.5					?			
34	2	2.0					0.9					?			
35	3	3.4					1.2					?			
230236	2	3.6					1.3					?			

RECEIVED
OCT - 4 1972
El Paso Mining & Milling Co.

176-311-36 Izman Creek Property

CERTIFIED BY Gilbert V. Henshaw

COMPAN

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No.

108

PROJECT No.:

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 3,
1972.

Sample Number	Mo ppmm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
81	86	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230237	2	22					1.1					?			
38	2	30					1.1					?			
39	4	28					1.0					?			
40	1	18					0.8					?			
41	2	28					0.9					?			
42	2	26					1.0					?			
43	2	20					0.9					?			
44	3	18					0.9					?			
45	3	45					1.1					?			
46	2	33					1.2					?			
47	3	33					1.0					?			
48	2	20					1.0					?			
49	2	22					1.0					?			
50	3	48					1.2					?			
51	2	21					0.9					?			
52	2	23					0.9					?			
53	2	16					0.9					?			
54	2	22					0.8					?			
55	3	38					1.2					?			
56	3	28					1.0					?			
57	4	24					0.7					?			
58	2	25					0.9					?			
59	3	22					0.9					?			
60	2	26					0.9					?			
61	66	730					2.2					?			
62	33	480					1.8					?			
63	7	285					1.4					?			
64	9	500					1.5					?			
65	6	235					1.4					?			
230266	6	405					1.5					?			

RECEIVED
 OCT - 4 1972
 El Paso Mining & Milling Co.

COMPAN

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

FILE No. 108

PROJECT No.:

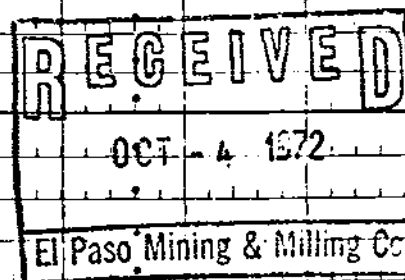
186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 3,

1972.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6 81	10 86	15 95	20 100	25 105	30 110	35 115	40 120	45 125	50 130	55 135	60 140	65 145	70 150	75 155	80 160
230267	5	30.0					1.6					?			
68	3	9.8					0.9					?			
69	2	6.0					0.8					?			
70	6	5.4					1.2					?			
71	5	8.8					1.5					?			
72	3	7.4					1.4					?			
73	4	8.6					1.5					?			
74	3	4.4					1.2					?			
75	3	4.2					1.3					?			
76	3	4.4					1.2					?			
77	3	5.0					1.3					?			
78	5	4.5					1.3					?			
79	2	4.5					1.0					?			
80	2	3.2					0.8					?			
81	2	3.3					1.1					?			
82	2	2.5					0.8					?			
83	3	3.4					1.1					?			
84	3	4.1					0.8					?			
85	2	3.2					1.1					?			
86	2	2.2					0.6					?			
87	2	2.6					0.6					?			
88	2	3.1					0.6					?			
89	2	3.7					0.9					?			
90	3	4.3					0.8					?			
91	3	3.6					0.8					?			
92	3	2.1					0.6					?			
93	10	4.75					1.1					?			
94	14	16.40					1.4					?			
95	8	5.50					1.1					?			
230296	10	9.00					1.2					?			



- 25 -

COMPAN.

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

File No 108

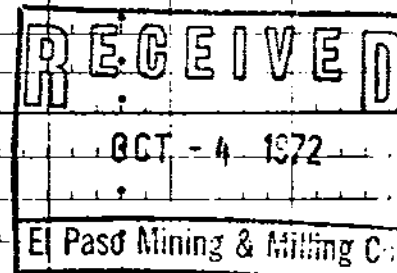
PROJECT No.:

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 3,
1972.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm			
6 81	10 90	15 95	20 100	25 105	30 110	35 115	40 120	45 125	50 130	55 135	60 140	65 145	70 150	75 155	80 160
230297	10	920					11					.			
98	6	500					11					.			
99	14	1030					12					.			
300	3	230					08					.			
01	7	545					10					.			
02	5	1030					15					.			
03	3	850					22					.			
04	5	1420					21					.			
05	6	2350					23					.			
06	11	1180					14					.			
07	16	255					14					.			
08	7	210					12					.			
09	6	85					08					.			
10	4	81					10					.			
11	2	156					10					.			
12	3	135					07					.			
13	4	130					09					.			
14	2	250					10					.			
15	2	101					06					.			
16	4	520					09					.			
17	2	660					11					.			
18	1	22					07					.			
19	1	19					06					.			
20	2	22					07					.			
21	2	15					06					.			
22	1	19					06					.			
23	2	60					09					.			
24	2	93					08					.			
25	2	14					07					.			
230326	1	72					07					.			



GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.:

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 3, 1972.

Sample. 6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230327	1	59					09					.				
28	2	40					09					.				
29	5	270					08					.				
30	4	325					08					.				
31	5	110					08					.				
32	29	825					11					.				
230333	2	70					06					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				
							.					.				

RECEIVED
 OCT - 4 1972
 El Paso Mining & Milling Co.

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

FILE NO. 126

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 16, 1972.

	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Mo	Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au			
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm			
	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230334	9	390					10					*			
35	10	150					08					*			
36	30	525					08					*			
37	12	182					08					*			
38	10	151					07					*			
39	5	132					08					*			
40	4	54					08					*			
41	4	67					06					*			
42	4	54					08					*			
43	2	30					07					*			
44	4	38					08					*			
45	2	24					06					*			
46	2	40					06					*			
47	2	49					08					*			
48	2	35					07					*			
49	2	31					07					*			
50	2	54					08					*			
51	1	34					06					*			
52	1	26					05					*			
53	2	78					08					*			
54	2	50					06					*			
55	1	28					06					*			
56	2	40					07					*			
57	2	24					07					*			
58	3	36					08					*			
59	12	720					08					*			
60	42	3875					17					*			
61	32	1590					08					*			
62	16	2125					16					*			
230363	5	3150					1.5					*			

CERTIFIED BY *Albert K. Hennrich*

Sample No.	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
230364	14	980					12				
65	4	315					0.8				
66	8	205					0.9				
67	5	118					0.7				
68	8	72					0.8				
69	4	61					0.6				
70	8	102					0.8				
71	6	162					0.7				
72	10	300					1.0				
73	2	108					0.5				
74	23	1240					1.0				
75	17	1640					1.5				
76	10	600					1.0				
77	12	1040					1.1				
78	5	165					1.1				
79	3	178					0.7				
80	6	157					1.0				
81	3	42					0.8				
82	7	57					0.9				
83	6	120					0.8				
84	12	84					0.8				
85	20	830					1.2				
86	9	240					1.0				
87	35	770					1.1				
88	5	350					1.3				
89	10	290					1.0				
90	6	260					1.1				
91	4	151					0.9				
92	4	108					0.7				
230393	5	128					0.7				

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 16, 1972.

		15	20	25	30	35	40	45	50	55	60	65	70	75	80
		Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au			
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm			
		95	100	105	110	115	120	125	130	135	140	145	150	155	160
230394	6	150					0.8					.			
	95	4	124				0.7					.			
	96	4	45				0.6					.			
	97	6	84				0.7					.			
	98	4	82				0.8					.			
	99	4	44				0.6					.			
400	4	84					0.7					.			
	01	3	40				0.6					.			
	02	3	54				0.7					.			
	03	4	33				0.7					.			
	04	5	58				1.0					.			
	05	3	46				0.9					.			
	06	2	49				1.0					.			
	07	5	67				0.9					.			
	08	2	37				1.0					.			
	09	1	24				0.8					.			
	10	3	38				0.9					.			
	11	3	34				0.8					.			
	12	3	112				0.9					.			
	13	3	32				0.7					.			
	14	18	124				0.7					.			
	15	3	55				0.8					.			
	16	3	61				0.7					.			
	17	5	83				0.8					.			
	18	2	28				0.5					.			
	19	4	16				0.5					.			
	20	6	34				0.7					.			
	21	5	143				0.7					.			
	22	3	28				0.7					.			
230423	3	22					0.5					.			

CERTIFIED BY Robert K. Hennrich

El Paso

GEOCHEMICAL ANALYSIS DATA SHEET

FILE No 126

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 16, 1972.

Sample No	No	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
		Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm				
		95	100	105	110	115	120	125	130	135	140	145	150	155	160	
230424	2	16					05					.				
	25	25					06					.				
	26	49					08					.				
	27	27					06					.				
	28	20					07					.				
	29	28					08					.				
	30	34					06					.				
	31	21					04					.				
	32	24					06					.				
	33	68					07					.				
	34	25					07					.				
	35	25					06					.				
	36	32					08					.				
	37	71					06					.				
	38	28					07					.				
	39	56					11					.				
	40	34					07					.				
	41	49					06					.				
	42	83					08					.				
	43	38					08					.				
	44	34					08					.				
	45	41					07					.				
	46	38					08					.				
	47	43					08					.				
	48	34					07					.				
	49	35					07					.				
	50	19					06					.				
	51	69					08					.				
	52	29					05					.				
230453	2	20					06					.				

- 31 -

CERTIFIED BY *Gilbert V. Hemicelle*

186 Cu 26

MIN - EN Laboratories Ltd.

DATE: Oct 16, 1972.

	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Cu	Pb	Zn	Ni	Ce	Ag	Fe	Hg	As	Mn	Au			
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm			
	95	100	105	110	115	120	125	130	135	140	145	150	155	160
230454	3	32				0.7								
55	2	50				0.8								
56	2	26				0.6								
57	2	34				0.6								
58	3	8				0.5								
59	2	17				0.5								
60	2	25				0.5								
61	3	21				0.4								
62	2	30				0.6								
63	4	30				0.6								
64	2	28				0.6								
65	2	36				0.7								
66	1	24				0.9								
67	5	158				1.4								
68	6	270				1.4								
69	8	183				1.0								
70	6	134				1.1								
71	7	136				1.0								
72	34	570				1.2								
73	2	36				0.9								
74	2	24				0.9								
75	2	29				0.8								
76	2	38				0.7								
77	3	22				0.7								
78	3	38				0.8								
79	2	32				0.8								
80	3	26				0.8								
81	4	34				0.9								
82	3	50				0.9								
230483	3	38				0.9								

CERTIFIED BY *Albert V. Hernandez*



El Paso

186 Cu 26

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

126

DATE: Oct 16, 1972.

		15	20	25	30	35	40	45	50	55	60	65	70	75	80
		Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au			
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm			
		05	100	100	100	115	115	125	130	135	140	145	150	155	160
230484	3	28					0.7								
85	4	100					14								
86	3	54					0.6								
87	2	28					0.8								
88	4	34					0.8								
89	2	26					0.8								
90	5	94					0.9								
91	2	50					0.8								
92	14	670					1.2								
93	4	48					0.8								
230494	6	105					0.7								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								
							.								

CERTIFIED BY *[Signature]*

APPENDIX B

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

The fieldwork for this report was done under the supervision of H.M. Jones, whose qualifications are listed below:

H. M. Jones: P. Eng. (Geol. Eng.) - Senior Geologist
El Paso Mining and Milling Company
Vancouver, B.C.

Completed B.A. Sc. (Geological Engineering) at University of British Columbia in 1956; employed by - Bethlehem Copper Corporation - from May, 1956 to September, 1956 as junior geologist under the supervision of C.S. Coveney. Employed by Utah Construction and Mining Company - from October, 1956 to September, 1963 in British Columbia and Alaska as a field geologist, under the supervision of L. C. Clark and G.A. Noel. Employed by Noranda Exploration from January, 1964 to July, 1966 in Australia as supervisor of Queensland field office, under the supervision of B. O. Brynelsen and E. B. Bell. Employed by the Brenda Group from August, 1966 to December, 1969 in British Columbia and the United States as project engineer, under the supervision of B. O. Brynelsen and L. S. Trenholme. Employed from January, 1970 to present in British Columbia and Yukon as Senior Geologist for El Paso Mining and Milling Company, under the supervision of G. A. Noel.

AWC

APPENDIX C

STATEMENT OF COSTS

STATEMENT OF COSTS

SALARIES

T. Samoil	10 days @ \$900/ month	\$ 290.30
P. Brandley	10 days @ \$600/month	193.55
D. Patterson	6 days @ \$575/month	111.30
R. Warner	6 days @ \$525/month	101.64
R. Ney	6 days @ \$400/month	<u>77.40</u>
	TOTAL SALARIES	\$ 774.19

Analysis of Soil Samples for Copper, Molybdenum and
Silver - 297 samples @ \$2/sample = \$ 594.00

Room and Board 38 man days @ \$15/man/day 570.00

Vehicle Rental 118.00

TOTAL

\$2,056.19

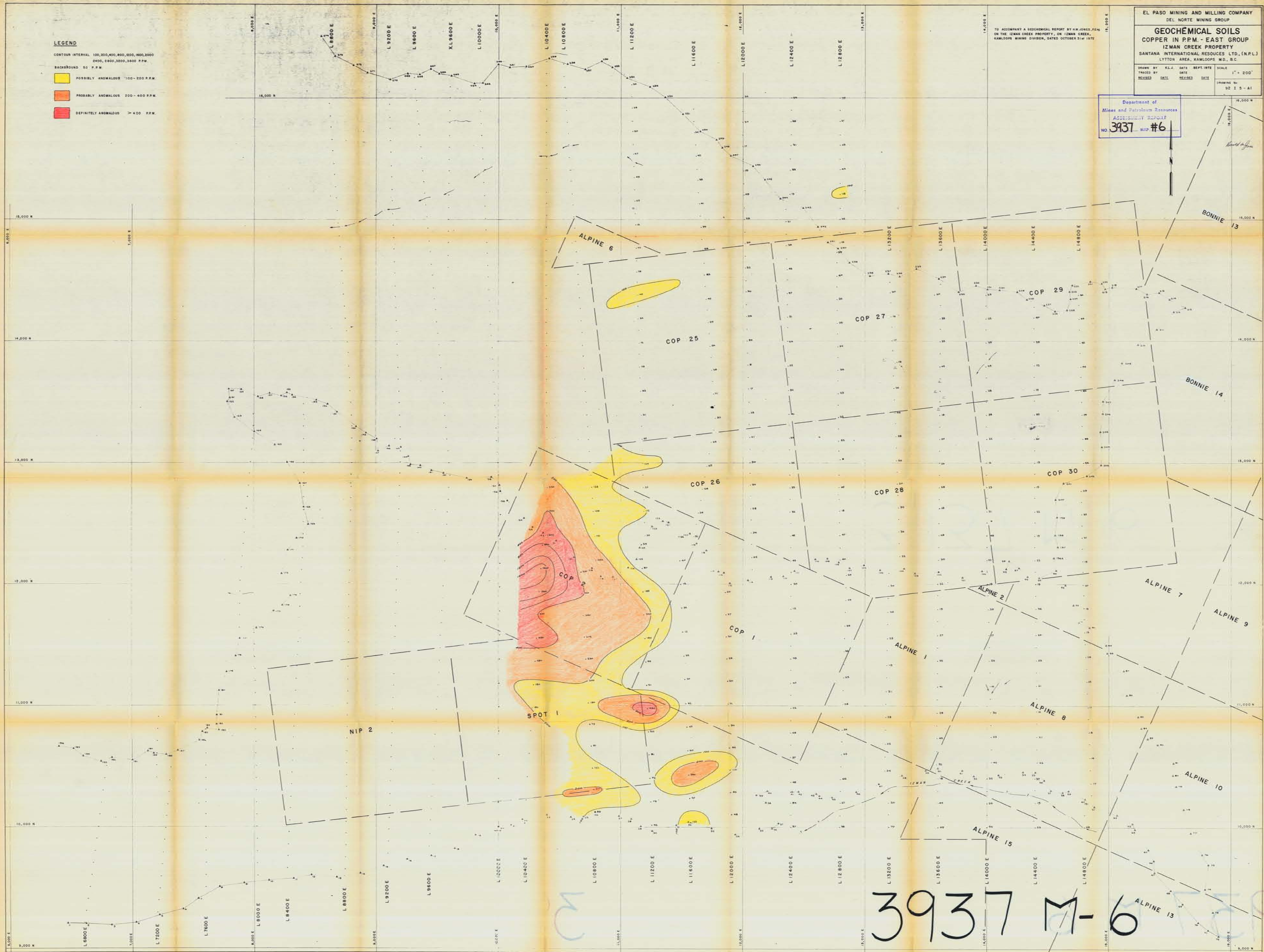

H. M. Jones

TO ACCOMPANY A GEOCHEMICAL REPORT BY H.W. JONES, P. ENG.
 ON THE IZMAN CREEK PROPERTY, ON IZMAN CREEK,
 KAMLOOPS MINING DIVISION, DATED OCTOBER 31st 1972

DRAWN BY	K.L.A.	DATE	SEPT. 1972	SCALE	1" = 200'
TRACED BY		DATE			
REVISION		DATE			
					DRAWING NO.
					92 I 5 - A1

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3937 MAP #6

LEGEND
 CONTOUR INTERVAL 100,200,400,800,1600,3200
 2400,2400,3200,3200 P.P.M.
 BACKGROUND 50 P.P.M.
 POSSIBLY ANOMALOUS 100-200 P.P.M.
 PROBABLY ANOMALOUS 200-400 P.P.M.
 DEFINITELY ANOMALOUS > 400 P.P.M.



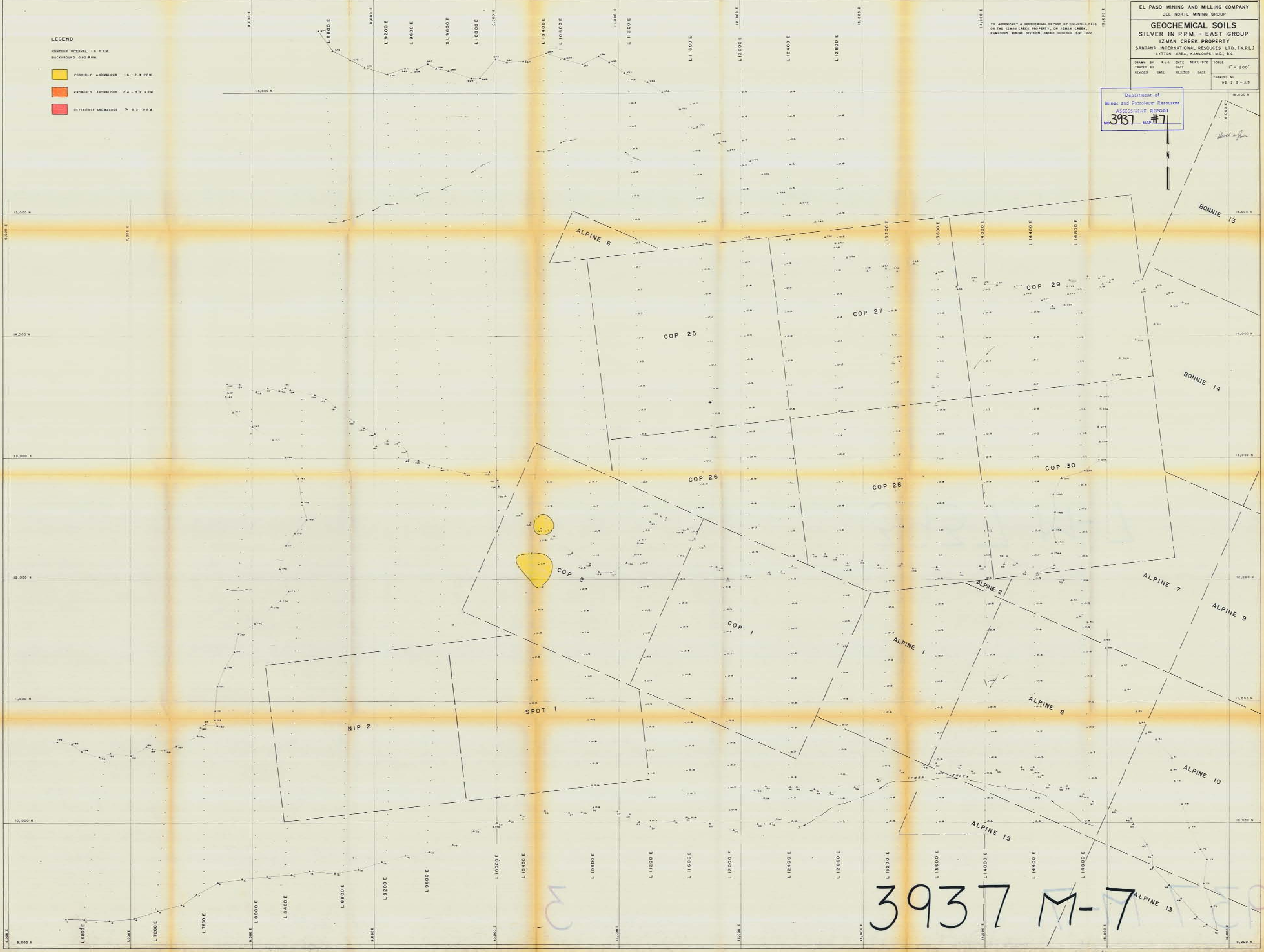
TO ACCOMPANY A GEOCHEMICAL REPORT BY W.W. JONES, P. ENG.
 ON THE IZMAN CREEK PROPERTY, ON IZMAN CREEK,
 KAMLOOPS MINING DIVISION, DATED OCTOBER 23RD 1972

DRAWN BY: K.L.A. DATE: SEPT 1972 SCALE: 1" = 200'
 TRACES BY: DATE: REVISED: DATE: DRAWING NO: 92 I 5 - A 3

Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 3937 MAP #7

LEGEND
 CONTOUR INTERVAL: 1.0 P.P.M.
 BACKGROUND: 0.00 P.P.M.

- POSSIBLY ANOMALOUS 1.6 - 2.4 P.P.M.
- PROBABLY ANOMALOUS 2.4 - 3.2 P.P.M.
- DEFINITELY ANOMALOUS > 3.2 P.P.M.

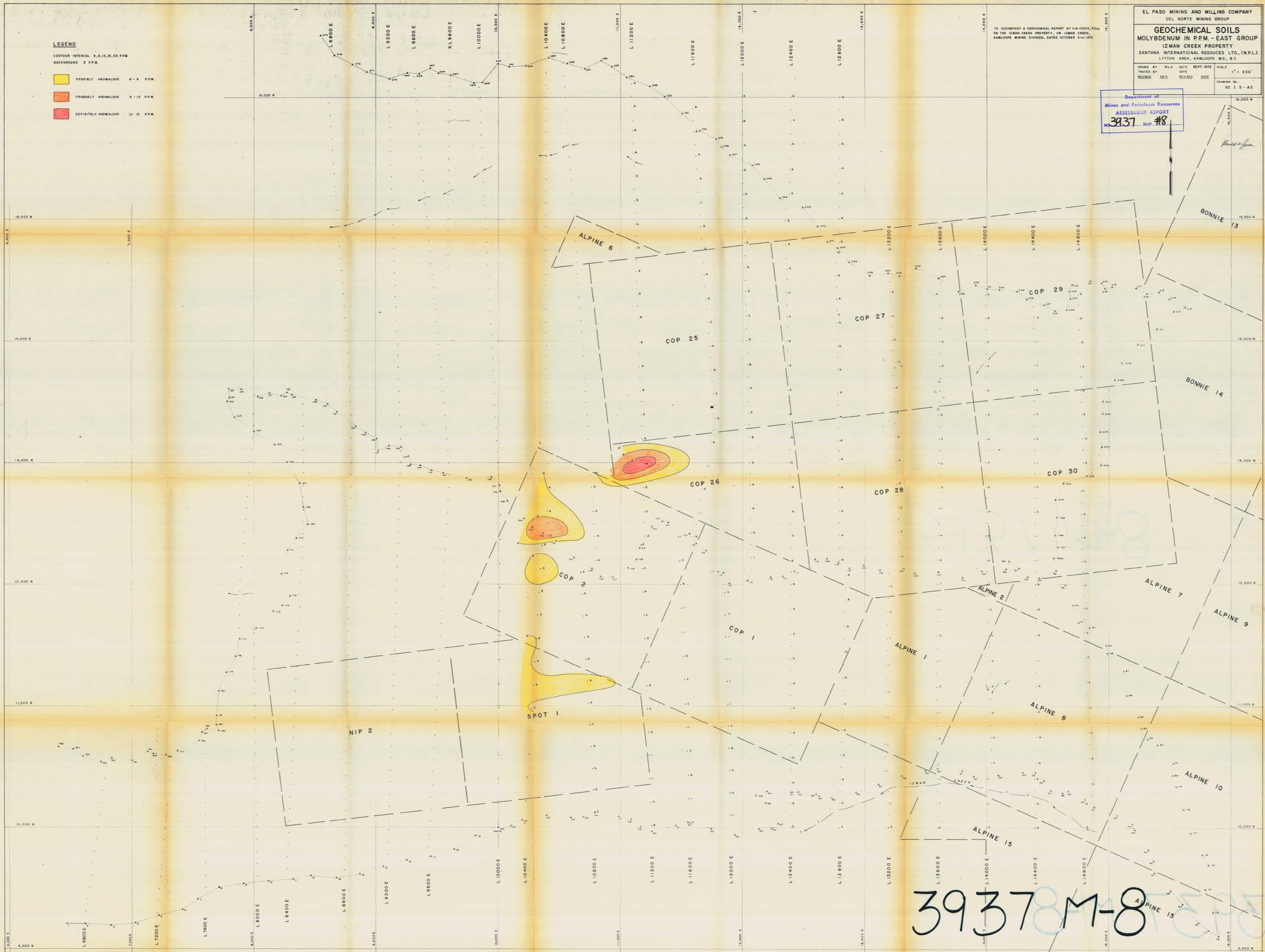


3937 M-7

Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 3937 MAP #8

LEGEND
 CONTOUR INTERVAL 5, 10, 15, 20 P.P.M.
 BACKGROUND 3 P.P.M.

- POSSIBLY ANOMALOUS 6 - 9 P.P.M.
- PROBABLY ANOMALOUS 9 - 12 P.P.M.
- DEFINITELY ANOMALOUS > 12 P.P.M.



3937 M-8