

2457

GEOCHEMICAL REPORT

ON THE "O" CLAIMS

Located six miles

WNW of Topley Landing,

Babine Lake - 54^o, 126^o N.E.

Omineca Mining Division, B.C.

By:

G.A. Noel (P. Eng.), Geologist

El Paso Mining and Milling Company

April 29 - May 15, 1970.

Canada

Province of British Columbia

To Wit:

In the Matter of

Wages and costs incurred in a detailed geochemical survey of the "O" claims, Babine Lake Area, Omineca M.D., B.C.

I, Gerald A. Noel, of
 Vancouver in the Province of British Columbia.

Do Solemnly Declare that the following wages and costs were directly expended on a detailed geochemical survey of the "O" claims between June 28, 1969 and June 28, 1970:

Wages:

E.H. Ewer	15 days	April 29 - May 15, 1970	@ \$1,000/month	\$ 500.00
P. Verner	15 days	April 29 - May 15, 1970	@ \$ 850/month	\$ 425.00
H. Derickson	15 days	April 29 - May 15, 1970	@ \$ 700/month	\$3 350.00
R. Wellwood	15 days	April 29 - May 15, 1970	@ \$ 575/month	\$ 287.50
				<u>\$1,562.50</u>

Total wages	\$ 1,562.50
Helicopter Servicing	800.00
Camp costs (wood and supplies)	300.00
Geochemical Analyses (Cu, Pb, Zn, Mo) 464 S/s @ \$2.50	<u>1,160.00</u>
	<u>\$ 3,822.50</u>

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

Declared before me
 at **VANCOUVER, B.C.**
 in the Province of British Columbia.
 this **JUN 12 1970** day of

Gerald A. Noel

Sub-Mining Recorder 19

GEOCHEMICAL REPORT

ON THE "O" CLAIMS

Located six miles

WNW of Topley Landing,

Babine Lake - 54° , 126° N.E.

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April 29 - May 15, 1970.

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- #1 Plate 1 Geochemical Soils - CU - Map Pocket
"O" Claims.
1 inch = 200 feet
- #2 Plate 2 Geochemical Soils - Zn - Map Pocket
"O" Claims.
1 inch = 200 feet
- #3 Plate 3 Geochemical Soils - Pb - Map Pocket
"O" Claims.
1 inch = 200 feet

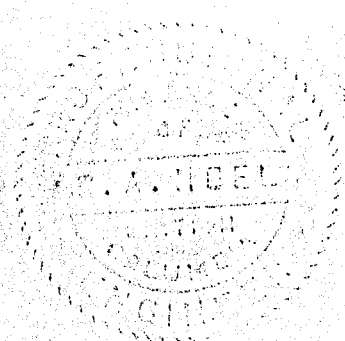
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2457 MAP

SUMMARY

A geochemical soil survey was conducted over the seven "O" Claims held by El Paso Mining and Milling Company from April 29 to May 15, 1970. These claims are about six miles west of Topley Landing on Babine Lake. The claims are underlain by volcanics and pyroclastics of the Hazelton group of Triassic - Jurassic age. One main copper anomaly was outlined on the claims and this anomaly deserves further attention.

MAN



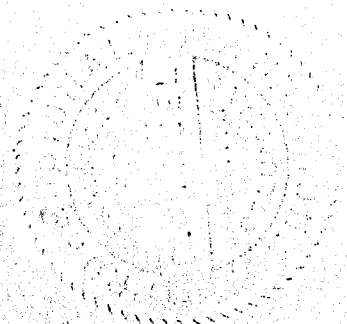
INTRODUCTION

Between April 29 and May 15, 1970, a geochemical soil survey was done on the "O" claims by a field crew of four men working for El Paso Mining and Milling Company. The claims covered in this work include "O" No.'s 5, 6, 8, 25 and 27, which are owned by El Paso Mining and Milling Company and were originally part of a larger group of claims located and recorded in June 1967, three miles north of Fulton Lake and six miles west of Topley Landing on Babine Lake.

The claims straddle a small slough about 1500 feet long east - west by 800 feet north-south which opens into another slough at its south-east end. This latter slough is roughly 800 feet east - west by 500 feet north - south. The topography is flat to rolling with a total elevation change from 2850 feet at the slough to about 3000 feet at the north end of the claims. The terrain consists of open and timbered (spruce) swamps broken by low jack pine ridges. The only outcrop noted was along the south edge of the main slough.

Access to the property is via helicopter from Houston or Smithers, about 30 miles to the southwest. However, the Topley to Granisle road is within four miles of the claims.

MAN



FIELDWORK

The fieldwork completed in May 1970 by El Paso Mining and Milling Company on the "O" claims consisted of a geochemical soil survey. A north-south baseline was run for 4,000 feet with a staff compass and tape, roughly through the center of the "O" claims. A central point on this line was used as grid control and designated 5,000 N, 5,000 E. East-west traverse lines were run at 200-foot spacing from 2800 N to 6600 N; i.e., 19 lines with stations set at 100 foot intervals from 40 E to 70 E. The small lake and extremely swampy areas could not be traversed, but otherwise an area about 4,000 feet north-south by 3,000 feet east-west was covered. All traverse lines were tried at their east and west ends. Topographic features such as streams, lakes, swamps, ridges and timbered areas were indicated on the map as well as any areas of rock outcrop.

A soil sample was taken at each station using a four foot long, 1½-inch auger. The sample was taken from the "B" soil horizon wherever possible. In the swampy areas, it was difficult to avoid including some organic material in the sample, even at depths up to three feet. Each soil sample was placed in a kraft envelope marked with the station coordinates; e.g., 50 N, 50 E for 5,000 north, 5,000 east. In all, 464 samples were collected and analyzed for total copper, lead, zinc and molybdenum by Chemex Labs Ltd., 1416 Crown Street, North Vancouver, B.C. Frequency curves were plotted for copper, zinc and lead and from these plots and some statistical analysis, the background and anomalous values were established. The copper, zinc and lead analyses in parts per million were plotted on base maps at a scale of one inch equals 200 feet and

Jan

contoured to indicate the anomalous results for each metal. These contour maps are included in the map envelope at the back of this report.

GENERAL GEOLOGY

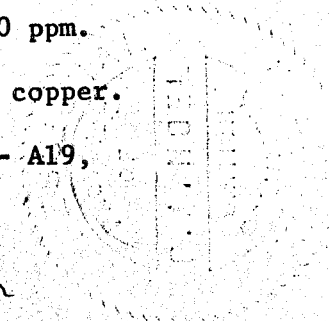
The Babine Lake area is underlain by sedimentary and volcanic rocks of the Hazelton group of Triassic - Jurassic age. These rocks include andesite, latite and rhyolite flows and related tuffs and breccias. On the east side of Babine Lake, at the Granisle Copper mine and on Newman Peninsula, the Hazelton rocks are intruded by small granitic plugs with associated copper mineralization.

The only outcrops seen on the property occur along the south edge of the small lake and include quartz latite porphyry, amygdaloidal andesite; and tuff-agglomerate. All of these rocks are considered members of the Hazelton volcanic group. A few specks of bornite, chalcocite and malachite were seen in the amygdaloidal andesite.

GEOCHEMICAL RESULTS

i) COPPER

The arithmetic mean of all the copper analyses is 39 ppm. From the frequency curve for copper (Figure 1), the norm or background value is about 25 ppm. The possibly anomalous "copper" range is taken as two to four times background, or 50 to 100 ppm. "Probably anomalous" values range from four to eight times background, or 100 to 200 ppm. "Definitely anomalous" values are shown as those above 200 ppm copper. Accordingly, the plot of "Copper in ppm", Drawing No. 93 L 16 - A19,



which is in the rear map pocket, is contoured using a 50 ppm contour interval below 100 ppm and 100 ppm contour interval above 100 ppm. The area of "possibly anomalous" copper values in the soil has been shown in yellow, "probably anomalous" area in orange and "definitely anomalous" area in red.

The main area of anomalous copper values is just south of the lake. The anomalous area is open to the north and southeast due to water cover. A number of isolated outcrops of volcanic rock are present in this area and some specimens show a little copper mineralization.

ii) ZINC

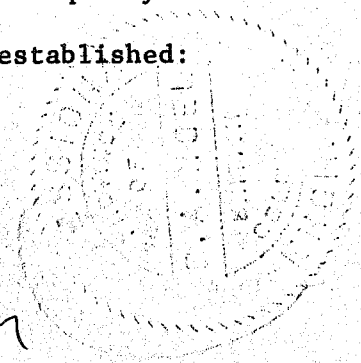
The arithmetic mean of all zinc analyses is 90 ppm. From the frequency curve for zinc, Figure 2, the background value is about 80 ppm. The "possibly anomalous" range is taken as 200 to 300 ppm. zinc; the "probably anomalous" range from 300 - 500 ppm zinc; and the "definitely anomalous" as greater than 500 ppm. These three categories of anomaly have been color coded as for copper and shown on Drawing No. 93 L 16 - A22, which is included in the rear map pocket.

The only area of anomalous zinc values is at the western end of lines 56 N, 58 N and 60 N and this anomaly coincides fairly well with a minor copper soil anomaly in the same area.

iii) LEAD

The arithmetic mean of all lead analyses is 21 ppm. From the frequency curve for lead, Figure 3, the following parameters have been established:

Background	20 ppm lead.
Possibly anomalous range	25 - 50 ppm.



No lead values greater than 50 ppm. were obtained in this survey.

None of the "possibly anomalous" lead anomalies are considered particularly significant.

iv) MOLYBDENUM

The molybdenum content of the soils in this area is particularly low with most of the analyses 0 - 1 ppm. Seven scattered molybdenum analyses range from 2 to 10 ppm. This data was not considered sufficiently significant for further analysis.

Handwritten initials

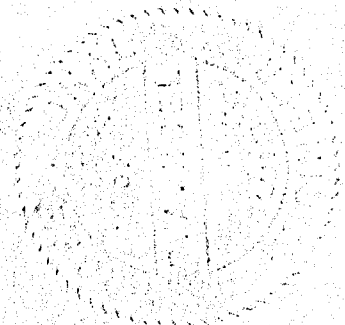
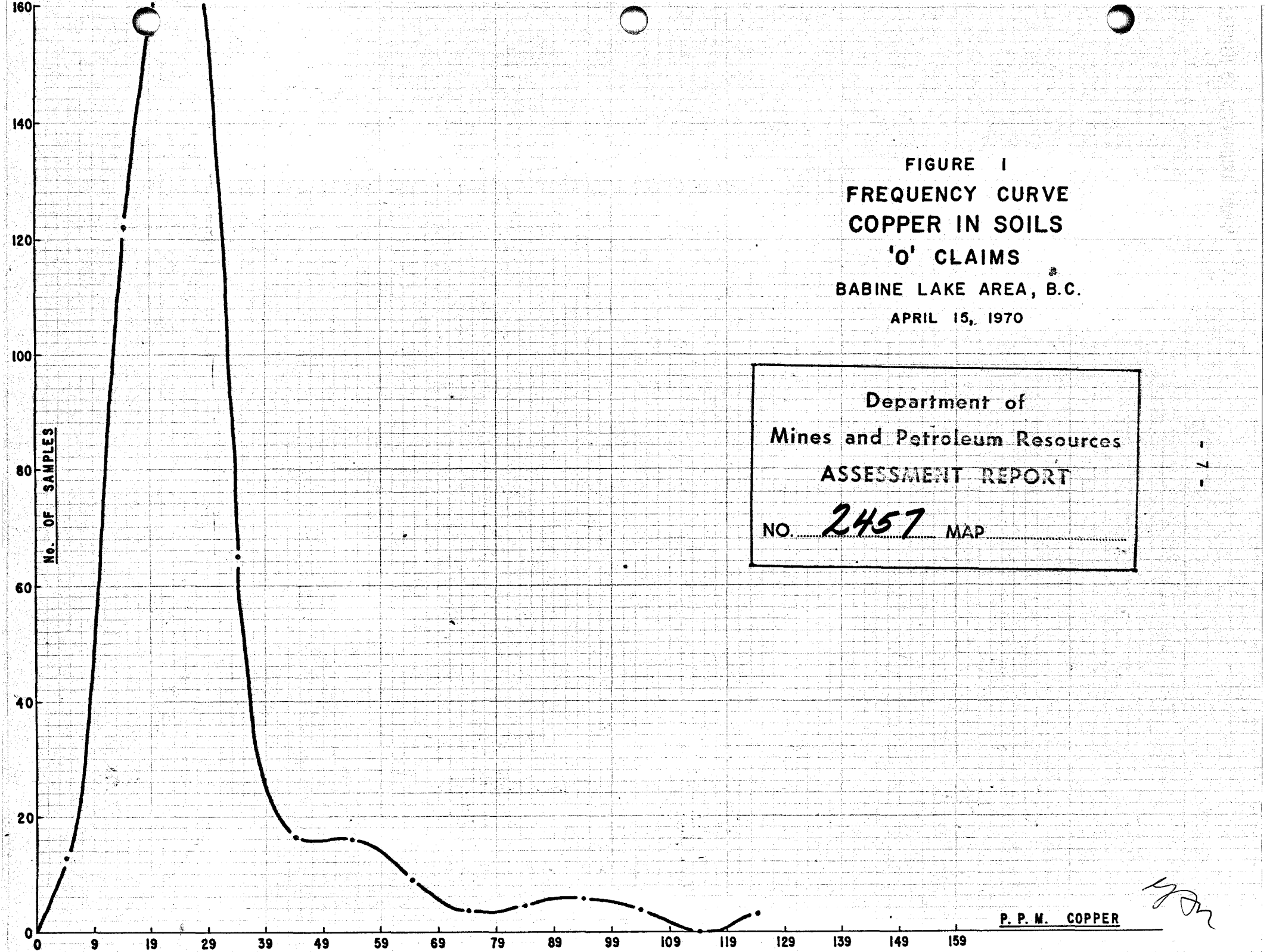


FIGURE 1
FREQUENCY CURVE
COPPER IN SOILS
'O' CLAIMS
BABINE LAKE AREA, B.C.
APRIL 15, 1970

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2457 MAP

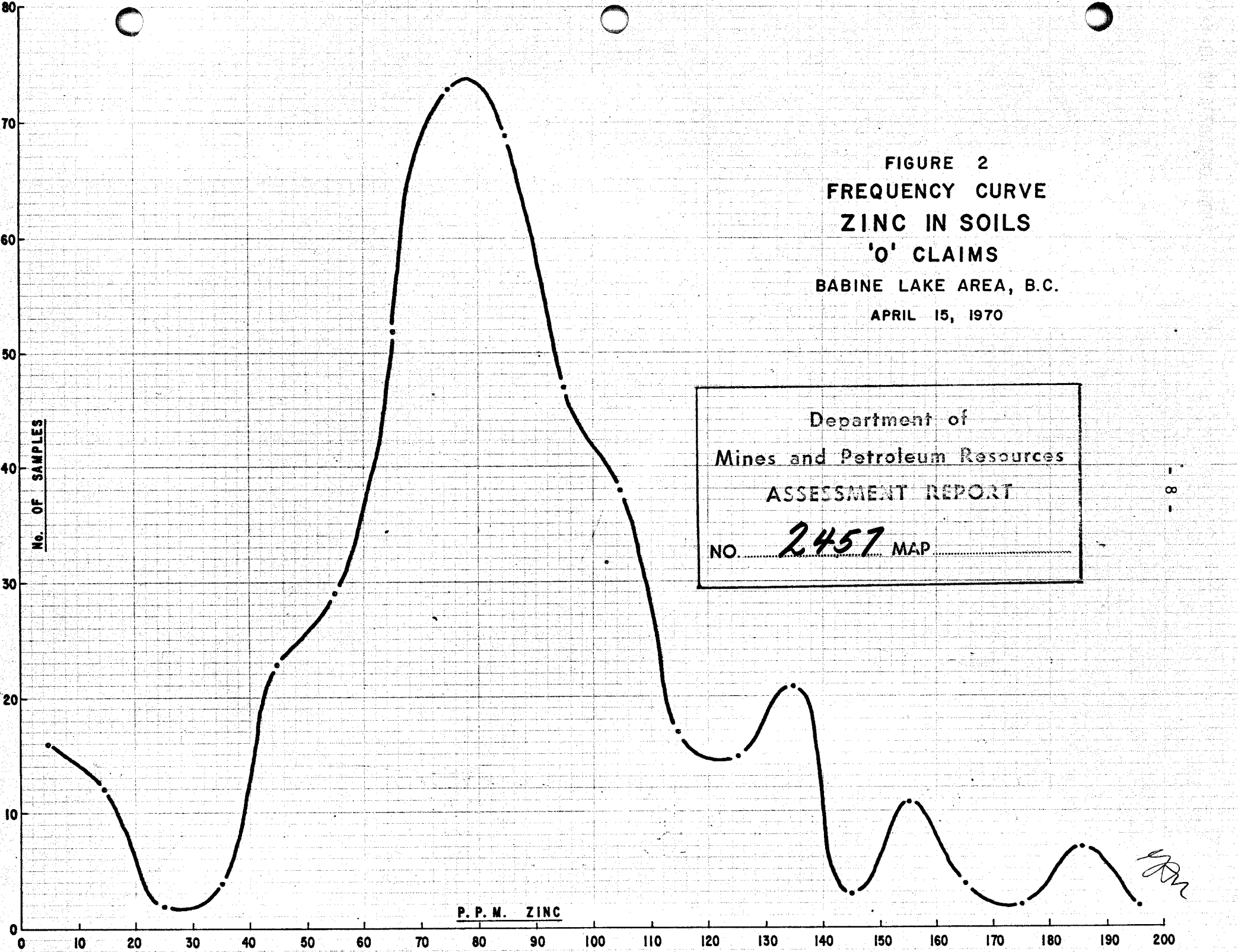


P. P. M. COPPER

gjm

FIGURE 2
FREQUENCY CURVE
ZINC IN SOILS
'O' CLAIMS
BABINE LAKE AREA, B.C.
APRIL 15, 1970

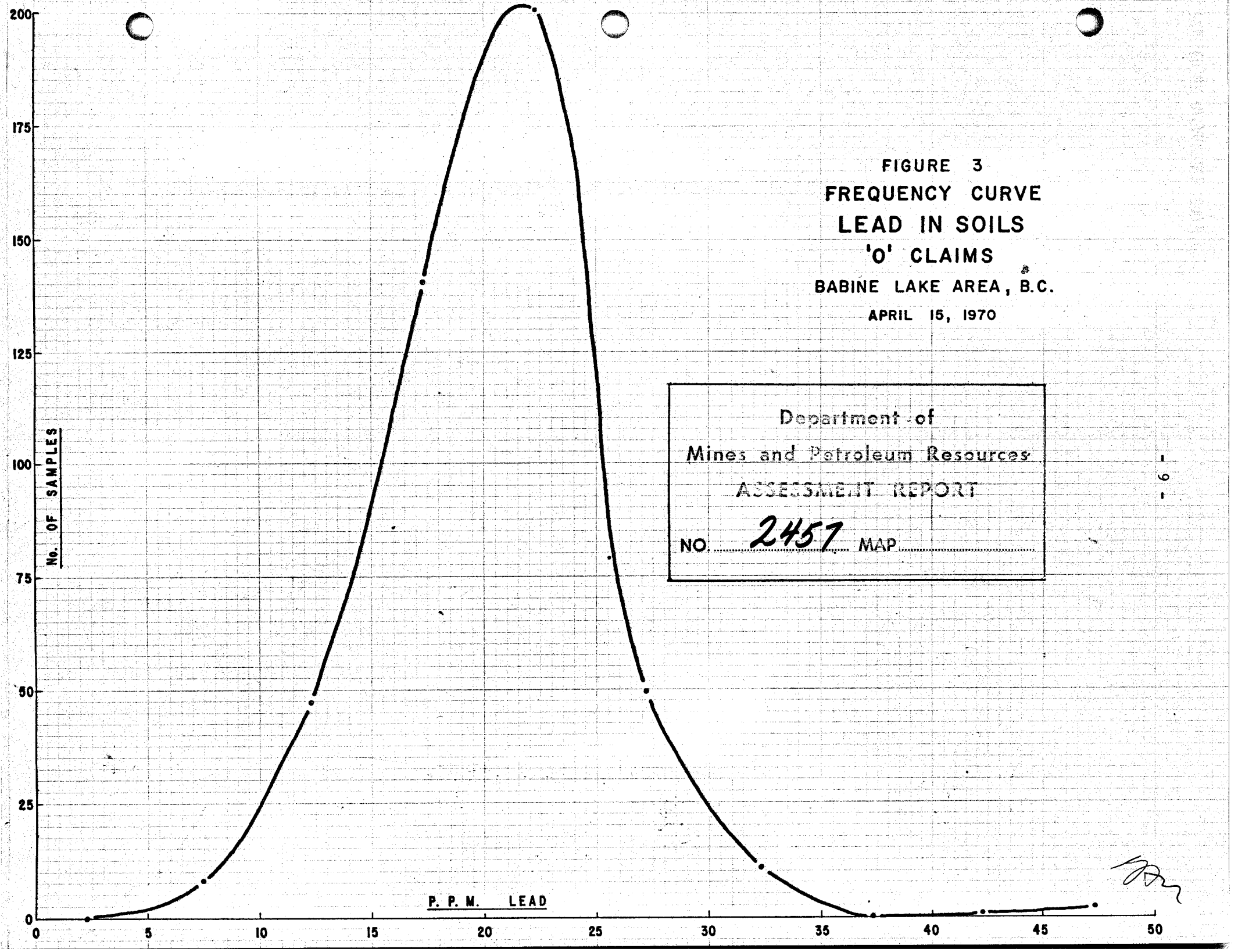
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2457 MAP



SRM

FIGURE 3
FREQUENCY CURVE
LEAD IN SOILS
'O' CLAIMS
BABINE LAKE AREA, B.C.
APRIL 15, 1970

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. *2457* MAP



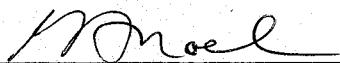
16

CONCLUSIONS

The geochemical soil survey on the "O" claims has outlined a copper anomaly south of the lake on "O" No. 8 claim. This copper anomaly is considered quite significant for the following reasons:

- i) it occurs across several traverse lines.
- ii) it is open to the north and southeast.
- iii) it is associated with rather sparse outcrops of volcanic rock, some of which show a little copper mineralization.
- iv) the anomalous values are generally higher on higher ground and lower in the swampy areas.

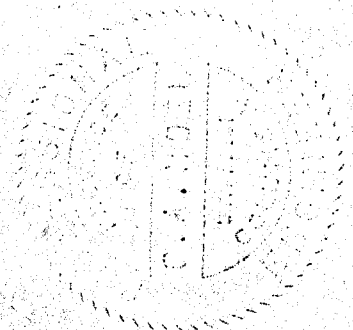
Vancouver, B.C.



G.A. NOEL
Manager of Canadian Exploration
El Paso Mining and Milling Company.

GAN:djh

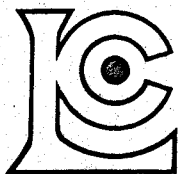
June 8, 1970.





APPENDIX A

SOIL ASSAYS



1416 CROWN STREET
NORTH VANCOUVER, B. C.
CANADA
TELEPHONE: 988-6955

CHEMEX LABS LTD.

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ANALYSIS

NO. 7997

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 8/70

DATE ANALYSED May 12/70

0 CLAIMS - 1970
50145

ATTN: Mr. G. Noel

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
28N 40E	15	0	25	72
41	18	1	19	8
42	6	0	13	8
43	5	0	13	4
44	6	0	19	10
45	5	0	13	3
46	18	0	17	6
47	82	0	22	56
48	26	0	20	46
49	64	0	20	68
50	13	0	22	104
51	15	0	22	120
52	22	0	25	107
53	11	0	20	104
54	23	0	24	68
55	20	0	20	53
56	46	0	22	78
57	16	0	22	100
58	20	0	22	104
59	13	0	27	182
60	26	0	25	89
28N 61E	11	0	27	65
30N 40E	22	0	22	83
41	13	0	24	83
42	13	0	22	53
43	22	0	22	51
44	28	0	24	58
45	30	0	25	58
46	33	0	22	89
47	645	0	22	192
48	100	0	44	30
49	36	0	17	10
50	18	0	25	70
51	10	0	24	89
52	32	0	27	127
53	16	0	24	86
54	28	0	22	113
55	15	0	22	95
56	24	0	25	120
30N 57E	10	0	25	110

"0" Molybdenum=<1 PPM

Certified by Hart Richler



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NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 7998

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 18/70

DATE ANALYSED May 12.70

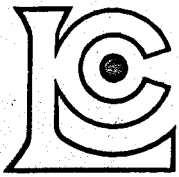
ATTN: Mr. G. Noel

*O CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
30N 58E	10	0	22	92
59	18	0	22	83
60	20	0	19	11
30N 61E	30	0	15	4
32N 40E	18	0	22	113
41	15	0	22	80
42	8	0	22	83
43	24	0	19	75
44	13	0	25	98
45	11	0	19	83
46	23	0	17	70
47	23	0	13	13
48	13	0	10	6
49	16	0	13	3
50	23	1	22	75
51	28	0	22	98
52	15	0	20	127
53	26	0	22	83
54	20	0	24	68
55	183	0	22	49
56	16	0	20	98
57	23	0	22	46
58	80	0	13	3
59	52	0	13	19
60	11	0	22	3
61	8	0	20	3
32N 62E	80	0	20	38
34N 40E	13	0	22	120
41	13	0	24	150
42	23	0	20	78
43	22	0	20	89
44	22	0	19	56
45	18	0	17	80
46	18	0	20	158
47	158	0	24	63
48	32	0	17	56
49	24	0	13	10
50	24	0	22	58
51	40	0	22	100
34N 52E	20	0	22	162
Std. #20	96	21	82	116

Certified by

Hart Richler



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CANADA
TELEPHONE: 988-6955

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NO. 7999

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 8/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

"O" CLAIMS
1970 SOILS

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
34W 53E	16	0	22	204	"O" Molybdenum = <1 PPM
54	69	0	22	95	
55	83	0	22	68	
56	40	0	13	10	
57	8	0	6	3	
58	18	0	6	6	
59	22	0	8	1	
60	22	0	17	44	
61	22	0	17	70	
34N 62E	145	0	22	68	
36N 48E	24	0	15	72	
49	107	0	20	130	
50	60	0	17	158	
51	30	0	17	92	
52	64	0	22	83	
53	189	0	22	70	
54	46	0	15	10	
55	43	0	12	6	
56	46	0	20	44	
57	147	0	20	70	
58	50	0	24	70	
59	150	0	22	86	
60	67	0	25	130	
61	52	0	22	113	
62	424	0	27	120	
63	183	0	27	75	
64	400	0	27	167	
65	104	0	22	146	
66	57	0	22	107	
36N 67E	341	0	24	98	
42N 40E	51	0	20	78	
41	24	0	20	104	
42	28	0	22	110	
43	30	0	17	68	
44	22	0	17	98	
45	22	0	20	100	
46	24	0	19	104	
47	22	0	22	92	
42N 48	28	0	20	104	
42N 49E	No sample taken				

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CANADA
TELEPHONE: 988-6955

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NO. 8000

TO: El Paso Mining and Milling Company,
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Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 8/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

*"O" CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
42N 50E	No sample taken			
51	"	"	"	"
52	"	"	"	"
53	"	"	"	"
54	"	"	"	"
55	"	"	"	"
56	"	"	"	"
57	"	"	"	"
58	"	"	"	"
59	"	"	"	"
60	"	"	"	"
61	"	"	"	"
62	"	"	"	"
63	"	"	"	"
64	"	"	"	"
42N 65E	"	"	"	"
44N 40E	32	0	20	98
41	20	0	19	98
42	24	0	13	100
43	23	0	20	127
44	30	0	13	116
45	52	0	22	192
46	22	0	13	80
47	22	0	13	162
48	16	0	8	70
49	26	0	13	78
50	30	0	15	92
51	24	0	12	89
52	24	0	12	86
53	26	0	19	68
54	23	0	27	51
44N 55E	28	0	27	49
46N 40E	24	0	20	98
41	33	0	19	92
42	24	0	20	100
43	42	0	22	130
44	43	0	20	158
45	23	0	17	138
46	24	0	20	187
46N 47E	26	0	19	113
Std. #20	93	20	82	113

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NORTH VANCOUVER, B. C.
CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8001

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 8/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

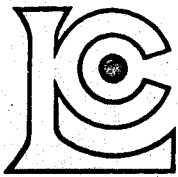
"U" CLAIMS

1970 SOILS

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
46N 48E	18	0	24	70
49	20	0	25	83
50	33	0	29	86
51	48	0	25	83
52	38	0	24	100
53	33	0	22	86
54	26	0	22	83
55	26	0	20	75
46N 56E	15	1	15	28
38N 49E	62	0	17	46
50	80	1	17	51
51	26	0	12	13
52	48	1	6	34
53	30	0	8	17
54	122	0	13	86
55	160	0	15	100
56	424	0	24	104
57	236	0	22	80
58	100	0	27	72
59	70	0	22	98
60	300	0	17	120
61	69	0	19	95
62	600	0	20	98
63	242	0	17	154
64	120	0	22	120
38N 65E	93	0	13	72

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CERTIFICATE OF ANALYSIS

NO. 8002

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

*0' CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
48N 40E	32	0	15	56	"0" Molybdenum = <1 PPM
41	30	0	22	78	
42	30	0	17	104	
43	36	0	13	89	
44	20	0	10	98	
45	129	0	25	158	
46	32 <i>20(A)</i>	0	25	130	
47	11	0	24	72	
48	30 <i>12 A</i>	0	20	107	
49	50	0	25	107	
50	38 <i>34 A</i>	0	25	92	
51	32	0	25	89	
52	33 <i>30 A</i>	0	20	100	
53	30	0	19	89	
54	20 <i>24 A</i>	5	19	28	
55	38	4	27	40	
56	15 <i>36 A</i>	10	25	10	
57	16	0	25	83	
58	11 <i>21 A</i>	0	22	92	
59	15	0	20	98	
60	26	0	22	68	
61	23	0	20	68	
62	64	0	22	98	
63	38	0	24	72	
64	32	0	25	83	
65	20	0	25	83	
66	13	0	24	72	
67	8	0	22	72	
68	10	0	20	72	
69	28	0	25	187	
48N 70E	22	0	25	89	
50N 40E	33	0	20	65	
41	22	0	22	95	
42	33	0	19	75	
43	36	0	25	49	
44	38	0	29	116	
45	15	0	25	182	
46	26	0	25	127	
47	22	0	22	187	
50N 48E	35	0	17	78	
50N 49E	38	0	34	92	

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CERTIFICATE OF ANALYSIS

NO. 8003

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

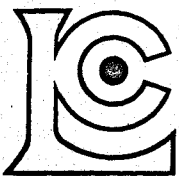
NO CLAIMS

1970 SULFS

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
50N 50E	32	0	29	80	"0" Molybdenum = <1 PPM
51	46	0	31	98	
52	30	0	49	40	
53	20	0	34	58	
54	20	0	33	68	
55	18	0	33	70	
56	13	0	33	134	
57	26	0	31	95	
58	18	0	34	110	
59	11	0	20	104	
60	22	0	22	83	
61	8	0	20	138	
62	22	0	20	70	
63	23	0	19	58	
64	24	0	22	58	
65	15	0	24	138	
66	20	0	20	63	
67	16	0	20	177	
68	20	0	20	63	
69	18	0	20	110	
50N 70E	15	0	19	95	
52N 40E	24	2	24	89	
41	24	0	20	100	
42	22	0	24	130	
43	11	1	25	210	
44	38	0	49	95	
45	20	0	25	205	
46	18	0	25	247	
47	48	0	25	127	
48	42	0	25	104	
49	54	0	27	120	
50	32	0	25	78	
51	24	0	24	70	
52	26	0	24	65	
53	10	0	22	68	
54	26	0	22	70	
55	13	0	19	113	
56	15	0	20	65	
57	28	0	24	58	
52N 58E	24	0	24	51	
Std. #20	96	21	84	107	

Certified by

Hart Bickler



1416 CROWN STREET
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8004

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 12/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

*0 CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
52N 59E	16	0	24	89
60	28	0	24	75
61	8	0	19	100
62	15	0	19	68
63	13	0	20	158
64	8	0	20	44
65	18	0	22	92
66	28	0	24	104
67	20	0	20	89
68	20	0	24	130
69	15	0	19	70
52N 70E	15	0	19	75
54N 40E	24	0	20	95
41	78	0	20	86
42	20	0	27	158
43	28	0	20	83
44	16	0	20	172
45	20	0	17	142
46	28	2	24	150
47	20	2	20	80
48	51	0	22	116
49	20	0	17	86
50	16	0	19	98
51	18	0	19	86
52	20	0	19	63
53	10	0	19	75
54	16	0	19	75
55	20	0	17	70
56	16	0	15	83
57	20	0	17	100
58	20	0	17	104
59	22	0	17	75
60	15	0	17	231
61	15	0	17	162
62	13	0	19	89
63	145	0	19	44
64	26	0	19	65
65	22	0	19	53
66	24	0	34	92
54N 67E	35	0	34	65

Certified by Hart Bickler



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CERTIFICATE OF ANALYSIS

NO. 8005

TO: El Paso Mining and Milling Company,
c #500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

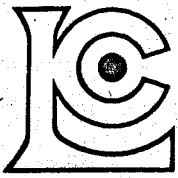
ATTN: Mr. G. Noel

*0 CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
54N 68E	20	0	15	65	Molybenum "0" = <1 PPM
69	30	0	17	58	
54N 70E	16	0	19	65	
56N 40E	285	0	22	72	
41	32	1	27	327	
42	24	0	22	340	
43	50	0	22	304	
44	38	0	22	292	
45	26	0	20	315	
46	51	0	22	98	
47	38	0	22	86	
48	55	0	24	104	
49	18	0	19	70	
50	18	0	19	70	
51	16	0	20	80	
52	18	0	20	72	
53	20	0	19	98	
54	20	0	19	60	
55	22	0	19	75	
56	16	0	19	86	
57	22	0	19	123	
58	15	0	15	182	
59	11	0	17	154	
60	20	0	15	49	
61	23	0	15	70	
62	20	0	13	51	
63	20	0	17	68	
64	15	0	15	138	
65	26	0	15	65	
66	20	0	17	83	
67	33	0	19	46	
68	22	0	19	98	
69	22	0	17	44	
56N 70E	20	0	19	83	
58N 40E	33	0	24	138	
88N 41	30	0	25	494	
42	26	0	22	78	
43	26	0	20	78	
44	70	0	22	98	
58N 45E	24	0	20	75	

Certified by

Hart Riehl



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CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8006

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

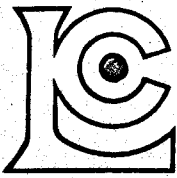
ATTN: Mr. G. Noel

*0' CLAIMS
1970 SOILS*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
58N 46E	33	0	22	86
47	78	0	20	182
48	35	0	20	78
49	11	0	15	53
50	24	0	19	68
51	11	0	19	70
52	20	0	20	63
53	20	0	19	80
54	26	0	15	60
55	8	0	15	40
56	52	0	19	83
57	55	0	19	49
58	30	0	20	80
59	20	0	19	104
60	24	0	19	80
61	16	0	19	80
62	23	0	15	89
63	15	0	19	75
64	20	0	17	120
65	28	0	15	58
66	30	0	19	98
67	18	0	19	110
68	16	0	20	116
69	18	0	19	98
58N 70E	24	0	20	60
60N 40E	22	0	24	340
41	18	0	24	384
42	33	0	20	89
43	28	0	19	65
44	36	0	20	89
45	32	0	22	78
46	24	0	22	72
47	20	0	17	104
48	13	0	17	95
49	16	0	19	60
50	20	0	20	70
51	20	0	20	70
52	16	0	19	134
53	15	0	17	58
60N 54E	13	0	19	134
Std. #20	96	21	82	104

Certified by

Hart Biehn



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CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8007

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

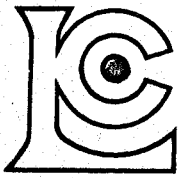
ATTN: Mr. G. Noel

*O' CLAIMS
1970 SALES*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc
60N 55E	18	0	22	89
56	22	0	19	70
57	24	0	17	68
58	22	0	15	63
59	10	0	10	40
60	24	0	10	146
61	154	0	12	53
62	16	0	13	80
63	22	0	15	83
64	20	0	13	80
65	10	0	12	42
66	20	0	12	92
67	20	0	10	92
68	22	0	10	65
69	20	0	13	107
60N 70E	32	0	15	68
62N 50E	22	0	15	92
51	23	0	15	100
52	23	0	13	158
53	45	0	13	17
54	42	0	15	58
55	65	0	20	46
56	22	0	12	60
57	16	0	12	92
58	48	0	10	70
59	32	0	8	51
60	23	0	12	100
61	18	0	12	65
62	23	0	10	63
63	13	0	12	40
64	28	6	8	8
65	22	0	20	65
66	18	0	20	58
67	18	0	22	86
68	23	0	19	130
69	36	0	15	70
62N 70E	18	0	19	83
63N 40E	32	0	19	120
41	33	0	20	113
63N 42E	32	0	20	100

Certified by

Hart Richler



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NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8008

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

ATTN: Mr. G. Noel

DATE ANALYSED May 12/70

*"0" CLAIMS
1970 50125*

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
63N 43E	28	0	24	100	
44	20	0	20	78	"0" Molybdenum = <1 PPM
45	20	0	19	116	
46	22	0	19	70	
47	30	0	20	72	
48	18	0	17	70	
63N 49E	23	0	20	78	
64N 50E	15	0	20	264	
51	13	0	17	100	
52	20	0	22	65	
53	22	0	22	134	
54	22	0	19	46	
55	16	0	15	68	
56	24	0	15	58	
57	23	0	19	75	
58	11	0	19	36	
59	18	0	17	68	
60	20	0	19	70	
61	23	0	20	65	
62	20	0	34	68	
63	24	0	17	70	
64	22	0	19	70	
64N 65E	20	0	19	65	
66N 40E	51	0	25	130	
41	33	0	24	138	
42	28	0	22	83	
43	28	0	24	95	
44	11	0	20	72	
45	5	0	20	83	
46	18	0	22	107	
47	52	0	24	60	
48	13	0	22	72	
49	11	0	20	130	
50	30	0	24	89	
51	16	0	29	113	
52	16	0	19	83	
53	26	0	22	89	
54	10	0	20	89	
55	20	0	20	70	
66N 56E	20	0	20	70	
Std. #20	98	21	84	113	

Certified by W. R. R. R.



1416 CROWN STREET
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 988-6955

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CERTIFICATE OF ANALYSIS

NO. 8009

TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

INVOICE NO. 2791

DATE RECEIVED May 11/70

DATE ANALYSED May 12/70

ATTN: Mr. G. Noel

0 CLAIMS
1970 SOILS

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Lead	PPM Zinc	
66N 57E	23	0	24	60	"0" Molybdenum = <1 PPM
58	16	0	22	89	
59	10	0	22	40	
60	23	0	20	58	
61	16	0	13	83	
62	18	0	10	98	
63	11	0	12	130	
64	18	0	12	65	
66N 65E	46	0	13	95	

Certified by *Hart Biddle*

APPENDIX B

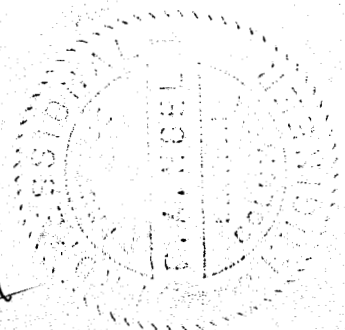
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

The fieldwork for this report was done under the supervision of G.A. Noel, whose qualifications are outlined below:

G.A. NOEL: P. Eng. (Geol. Eng.), Manager of Canadian Exploration for El Paso Mining and Milling Company, Vancouver, B.C.

Completed B.A. Sc. (Geology) at University of B.C. in 1950 and M.A.Sc. (Geology) at University of Toronto in 1951; employed by Kennco Explorations (Canada) Ltd. from May 1951 through March 1956 as a field geologist in B.C. and Yukon Territory under the supervision of J.S. Scott; employed by Utah Construction and Mining Co. from March 1956 through September 1969 in B.C. and Alaska mineral exploration as a project geologist, acting district geologist and senior project geologist under L.C. Clark, W. Bourret, H.G. Peacock and E.S. Rugg; opened an office for El Paso in Vancouver and built up permanent and temporary staff for the 1970 field season.



APPENDIX C

STATEMENT OF COSTS

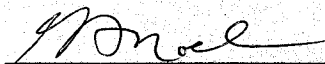
STATEMENT OF COSTS

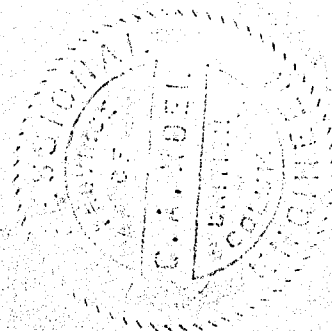
1970 SOIL

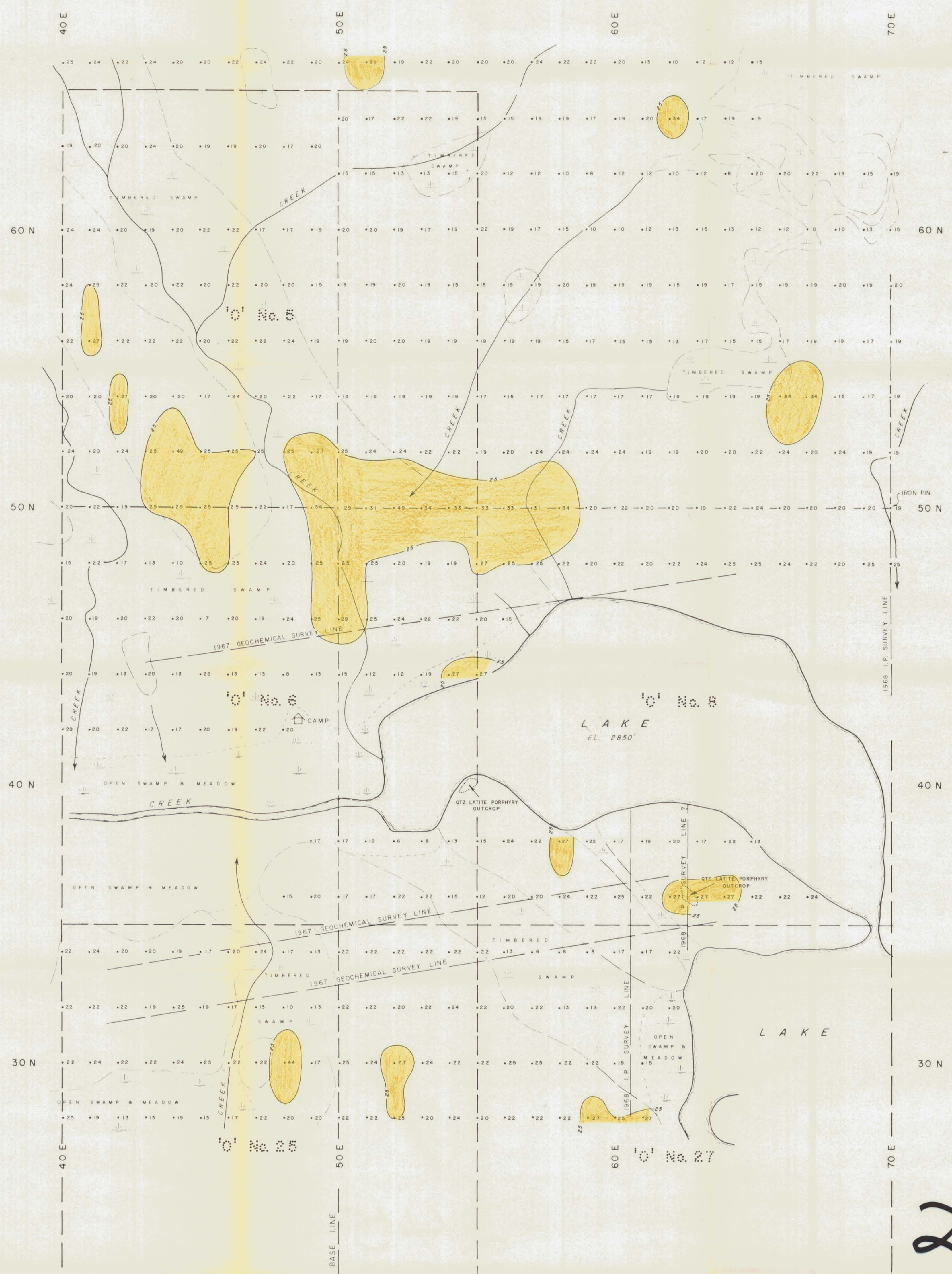
SALARIES

E.H. Ewer	15 days @ \$1,000/month	\$500.00
R. Wellwood	15 days @ \$575/month	\$287.50
P. Verner	15 days @ \$850/month	\$425.00
H. Derickson	15 days @ \$700/month	<u>\$350.00</u>
	TOTAL SALARIES	<u>\$1,562.50</u>

Analysis of Soil Samples for Cu, Pb, Zn, Mo 464 samples @ \$2.50		\$1,160.00
Helicopter Servicing		\$ 800.00
Food and Supplies		<u>\$ 300.00</u>
TOTAL		<u>\$3,822.50</u>


G.A. Noel





2457

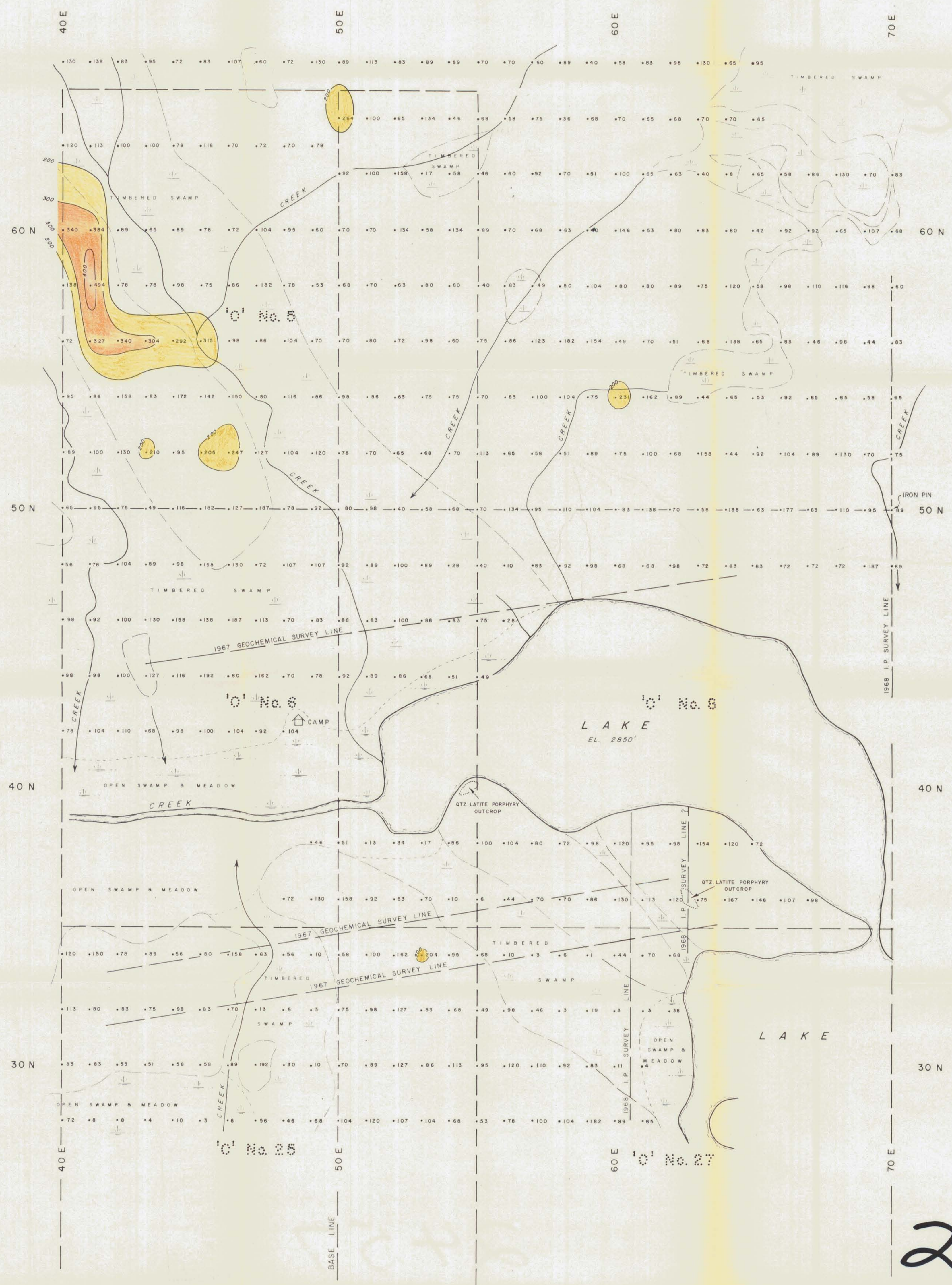
- LEGEND**
- OPEN SWAMP & MEADOW
 - TIMBERED SWAMP
 - HIGH GROUND, RIDGE, BENCH, HILL ETC.
 - CLAIM BOUNDARY INDEFINITE
 - OTHER SAMPLE LINES ENCOUNTERED
 - SOIL SAMPLE LOCATION WITH VALUE FOR Pb IN P.P.M.
 - CONTOUR WITH GEOCHEM. VALUE IN P.P.M.

- CONTOUR INTERVAL 25 P.P.M.
BACKGROUND VALUE 20 P.P.M.
- POSSIBLY ANOMALOUS 25-50 P.P.M.
- PROBABLY ANOMALOUS
- DEFINITELY ANOMALOUS

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2457 MAP #3

EL PASO MINING AND MILLING COMPANY DEL NORTE MINING GROUP			
GEOCHEMICAL SOILS LEAD IN P.P.M. 'O' CLAIMS BABINE LAKE AREA, B.C.			
DRAWN BY K.L.J.	DATE 15 APRIL '70	SCALE 1" = 200'	DRAWING No. 93 L 16 - A21
TRACED BY	DATE	REVISED DATE	
REVISED	DATE	REVISED	DATE

FIELD WORK: E.H. EWER, MAY 2-10, 1970



2457

LEGEND

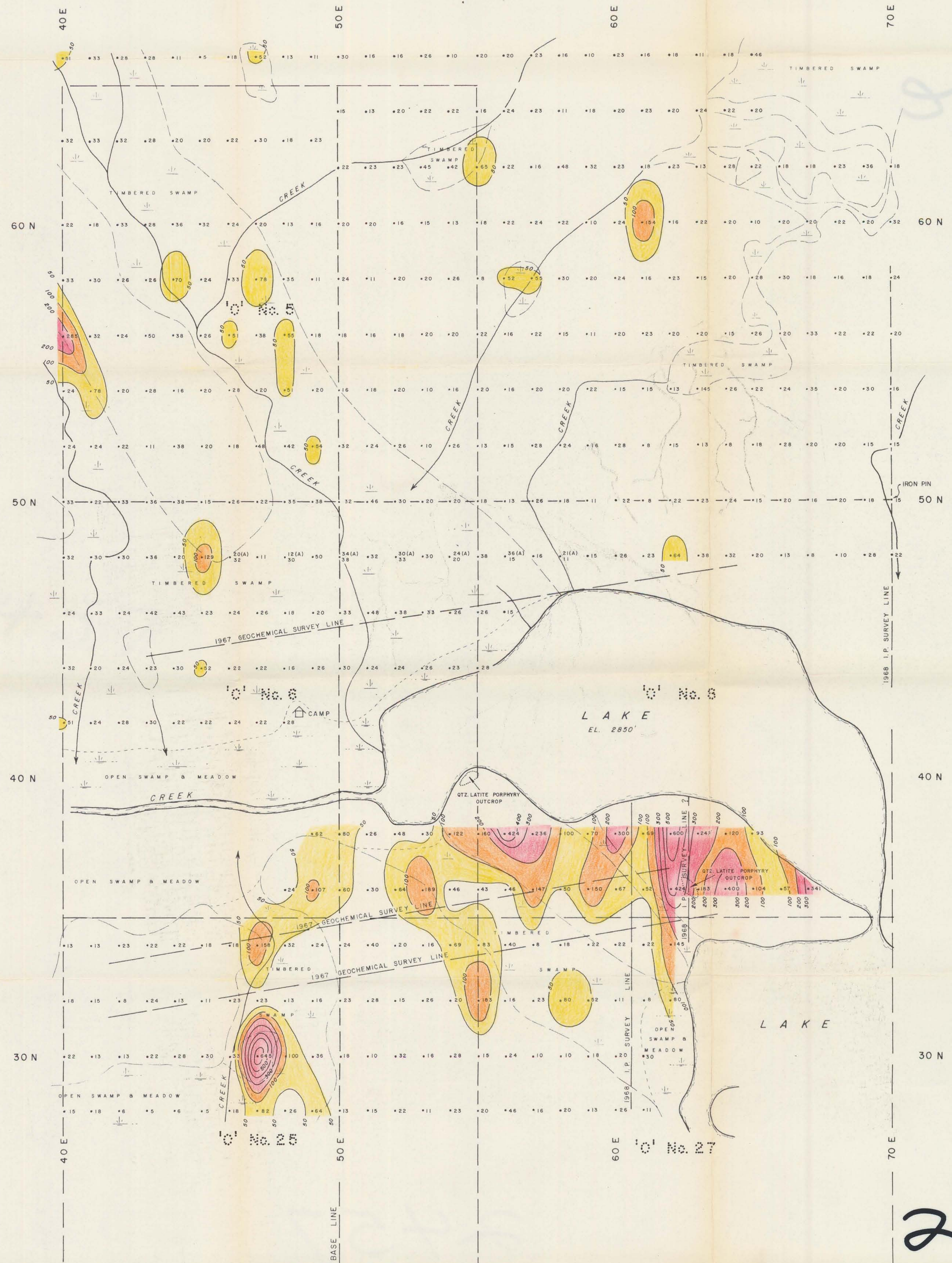
- OPEN SWAMP & MEADOW
- TIMBERED SWAMP
- HIGH GROUND, RIDGE, BENCH, HILL ETC.
- CLAIM BOUNDARY INDEFINITE
- OTHER SAMPLE LINES ENCOUNTERED
- SOIL SAMPLE LOCATION WITH VALUE FOR Zn IN P.P.M.
- CONTOUR WITH GEOCHEM. VALUE IN P.P.M.

- CONTOUR INTERVAL 100 P.P.M. >200 P.P.M.
BACKGROUND VALUE 80 P.P.M.
- POSSIBLY ANOMALOUS 200-300 P.P.M.
- PROBABLY ANOMALOUS 300-500 P.P.M.
- DEFINITELY ANOMALOUS > 500 P.P.M.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2457 MAP #2

EL PASO MINING AND MILLING COMPANY DEL NORTE MINING GROUP			
GEOCHEMICAL SOILS ZINC IN P.P.M. 'O' CLAIMS BABINE LAKE AREA, B.C.			
DRAWN BY	K.L.J.	DATE	15 APRIL '70
TRACED BY		DATE	
REVISED		DATE	
SCALE			1" = 200'
DRAWING No.			93 L 16 - A22

FIELD WORK: E.H. EWER, MAY 2-10, 1970



8721

2457

LEGEND

- OPEN SWAMP & MEADOW
- TIMBERED SWAMP
- HIGH GROUND, RIDGE, BENCH, HILL, ETC.
- CLAIM BOUNDARY INDEFINITE
- OTHER SAMPLE LINES ENCOUNTERED
- SOIL SAMPLE LOCATION WITH VALUE FOR CU IN P.P.M. VALUES WITH (A) AFTER WERE TAKEN ON APRIL 22nd 1970
- CONTOUR WITH GEOCHEM. VALUE IN P.P.M.

- CONTOUR INTERVAL 50 P.P.M. < 100 P.P.M.
- CONTOUR INTERVAL 100 P.P.M. > 100 P.P.M.
- BACKGROUND VALUE 25 P.P.M.
- POSSIBLY ANOMALOUS 50 - 100 P.P.M.
- PROBABLY ANOMALOUS 100 - 200 P.P.M.
- DEFINITELY ANOMALOUS > 200 P.P.M.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2457 MAP #1

EL PASO MINING AND MILLING COMPANY DEL NORTE MINING GROUP			
GEOCHEMICAL SOILS COPPER IN P.P.M. 'O' CLAIMS BABINE LAKE AREA, B.C.			
DRAWN BY	K.L.J.	DATE	15 APRIL 70
TRACED BY		DATE	
REVISED		DATE	
SCALE			1" = 200'
DRAWING No.			93 L 16 - A19

FIELD WORK: E.H. EWER, MAY 2-10, 1970