

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2778** MAP

GEOLOGICAL - GEOCHEMICAL REPORT

ON THE

MISTY MINERAL CLAIMS

DUCKLING CREEK AREA

Located 35 miles WNW
of Germansen Landing, B. C.

(55° 55' N, 125° 32' W)
Omineca Mining Division, B. C.

by

G. A. Noel, P. Eng.

December 1, 1970

2778

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SMITHERS. B. C.

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JK

SUMMARY

From September 1 to September 16, 1970 a four-man crew did geological mapping, a ground magnetometer survey and a geochemical survey on the Misty claims, about 35 miles west-northwest of Germansen Landing, B.C., in the Omineca Mining Division. The property consists of six claims, Misty 1 - 6, northwest of the headwaters of Duckling Creek. The property is underlain by quartz diorite of the Hogem batholith which is cut by a small body of syenite. Disseminated chalcopyrite and some bornite occur along the sheared quartz diorite-syenite contact. The magnetometer survey was useful in determining the contact between Quartz diorite and syenite, due to the magnetite content of the former rock. The main faulting, which trends $N40^{\circ}W$ through the syenite, is defined as a magnetic low. The geochemical soil survey covered the Misty claims and an area to the northwest of the claims. Two strong copper anomalies were outlined - one associated with the known mineralization in the sheared quartz diorite and extending along the fault to the southeast; and the second about 2000 feet to the southeast in an area of alluvial cover below talus slopes. Further work is planned on the mineralized fault section in syenite and on the geochemical soil anomaly to the southeast.

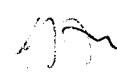
INTRODUCTION

Between September 1 and September 16, 1970 a crew of four men conducted geological mapping, a ground magnetometer survey and a geochemical soil survey on the Misty property, owned by El Paso Mining and Milling Company.

The Misty property consists of six claims, Misty 1 to 6 inclusive, and is located in the Omineca Mining Division about 35 miles west-northwest of Germansen Landing, which is on the Omineca River. The claims lie northwest of the headwaters of Duckling Creek at an elevation of 5000 to 6000 feet. From Germansen Landing, a dirt road follows the north bank of the Omineca River for 22 miles and then swings north to Discovery Creek and eventually reaches Aiken Lake. The Misty claims are about 12 miles west of this road at the closest point and require servicing by helicopter.

FIELDWORK

A total of fifteen days was spent in geological mapping and the magnetometer and geochemical soil surveys by a crew of four men. On Misty 3, 4, 5 and 6 claims, a survey grid was laid out by Silva compass and nylon tape covering an area 3000 feet long (northwest - southeast) by 1500 feet wide. Lines were spaced at 200 feet and stations at 100 feet. On Misty 1 and 2 claims, the same grid was extended to cover an area 600 feet (NW-SE) by 1500 feet wide.



The northwest-southeast baseline was extended 2700 feet to the northwest and lines were run 1000 feet northeast and 1000 feet southwest of the baseline, at 400 foot intervals. Stations were again spaced at 100 foot intervals. This grid was used for geological mapping as well as for the magnetometer and geochemical surveys. Surface samples were taken from most of the mineralized exposures and tied to the survey grid.

The magnetometer survey was done using a McPhar M-700 flux gate magnetometer. This instrument reads from 0 to 250,000 gammas in five ranges with either positive or negative polarity. The baseline was run back and forth over a reasonably short time interval to establish control stations for each line. The readings along each traverse line were corrected after closing a traverse by making a time-correction plot.

The soil samples were taken from the "B" horizon, using a 1-inch diameter auger. This horizon was found at about six inches to one foot in depth below the surface. A total of 493 samples was collected and analyzed by the atomic absorption method for total copper in parts per million by Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, B. C.

GEOLOGY

The Misty claims are underlain by intrusive rocks of the Hogen batholith, which include quartz diorite, diorite and syenite. The quartz diorite and diorite have mainly gradational contacts,

which suggests that the diorite may be a finer grained phase of the quartz diorite. However, in places the quartz diorite is intruded by small plugs and dikes of diorite. The quartz diorite ranges from coarse grained and crystalline to medium grained and gneissic. The diorite is generally much darker and finer grained than the quartz diorite, but it may be also foliated. This foliation generally occurs along contacts and fault zones. The syenite is a late phase and intrudes both diorite and quartz diorite. It is medium to coarse grained and consists largely of orthoclase feldspar with some biotite in places. On the claims, it occurs as an elongate tongue trending N50°W and at least 6000 feet long and 1400 feet wide (See Map No. 1). The quartz diorite and diorite have been severely foliated along the contact with the syenite. Aplite dikes cut the quartz diorite, diorite and syenite, and lamprophyre and pegmatite dikes cut the syenite.

The main shear and fault zones strike N40°W and cut all rock types. A prominent N40°W fault has been traced for about 2000 feet, cutting through the southeast lobe of the syenite and transgressing into the quartz diorite at its northwest end. The syenite has been intensely sheared and altered along this main fault zone. A series of secondary shears striking due east also cut all rock types.

Mineralization consisting of pyrite, chalcopyrite and, in places, a little bornite, is disseminated in places along the sheared syenite-quartz diorite contact and also along the main

fault in the syenite. Minor copper mineralization occurs in places in some of the aplite and lamprophyre dikes. Nine shallow trenches were dug by hand in 1963 for Fort Reliance Minerals Ltd., along the main fault and showed weak copper mineralization over a length of 800 feet.

MAGNETOMETER RESULTS

The corrected magnetometer readings were plotted to the nearest 10-gamma value and contoured at an interval of 500 gammas, as shown on Map No. 2. The higher magnetic relief along the southwest and northeast parts of the survey grid reflect the higher magnetite content of the diorite and quartz diorite. The tongue of syenite, on the other hand, occupies the northwest-trending central belt of low relief. The main fault is indicated in this belt by the narrow northwest trending line of magnetic lows.

GEOCHEMICAL RESULTS

The arithmetic mean of the soil sample assays is 223 p.p.m. copper. The cumulative frequency curve (Figure 2) indicates a graphic mean of 112 p.p.m. copper. The background value is thus 100 - 150 p.p.m. copper with the "possibly anomalous" range 300 to 600 p.p.m. and the "probably anomalous" range 600 to 1200 p.p.m. Definitely anomalous values are those above 1200 p.p.m. copper. The geochemical soils map (Map No. 3) is contoured at 150 p.p.m. below 900 p.p.m. and at 300 p.p.m. above 900 p.p.m. The "possibly",

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FIGURE 1
 FREQUENCY HISTOGRAM
 MISTY CLAIMS
 DUCKLING CREEK AREA
 OMINECA M.D. B.C.

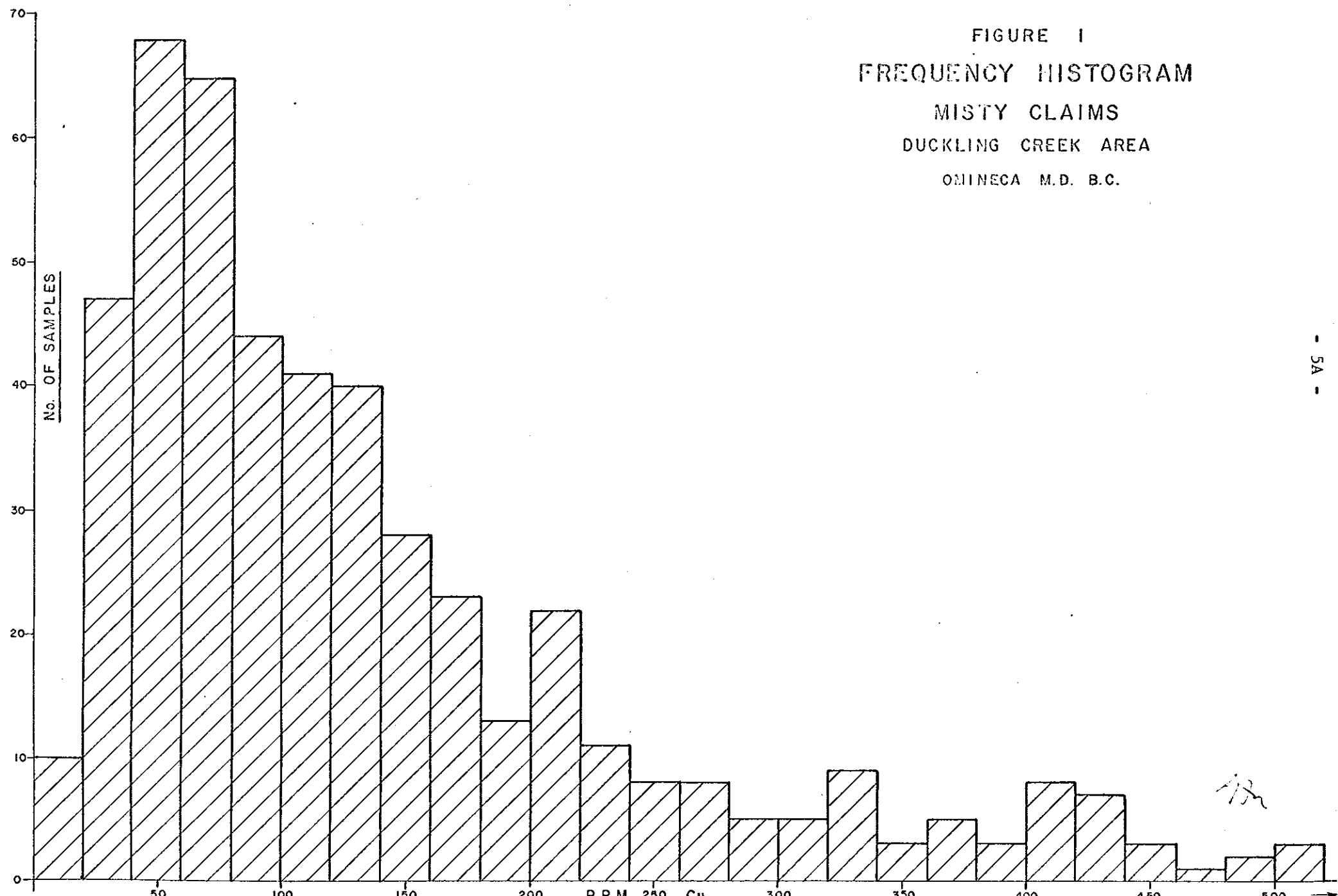
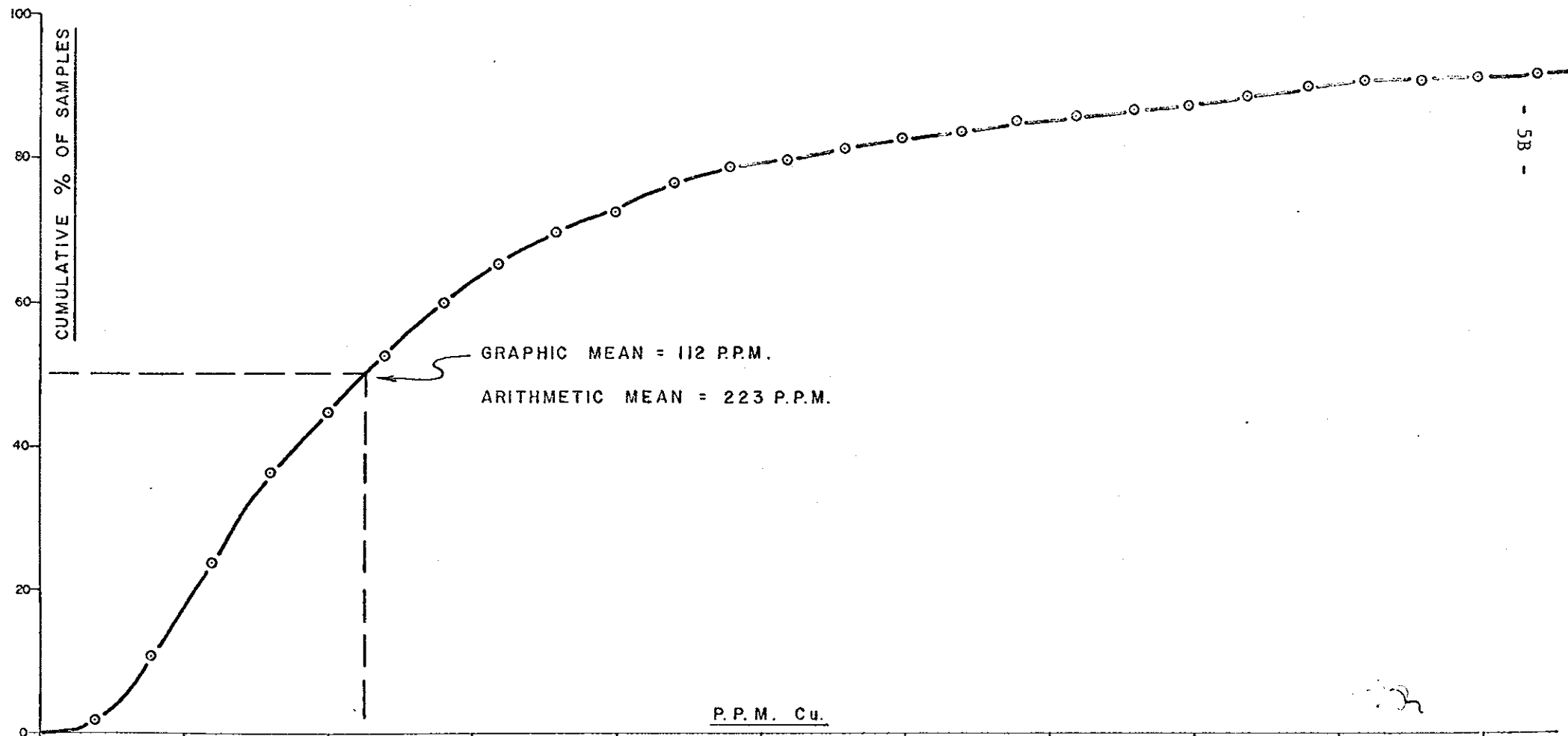


FIGURE 2
CUMULATIVE FREQUENCY CURVE
MISTY CLAIMS
DUCKLING CREEK AREA
OMINECA M.D. B.C.

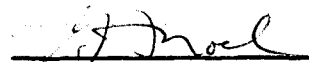


"probably" and "definitely" anomalous areas are outlined in yellow, orange and red respectively. Two main copper anomalies are outlined on this map. The larger anomaly occupies the higher ground on Misty No. 3 claim and extends into Misty No. 1 claim. This anomaly coincides in part with the copper mineralization along the contact between syenite and quartz diorite and it extends downslope to the northeast into the fault defined valley which the baseline parallels (See Map No. 1).

The second anomaly extends southeast along the fault zone and broadens into a branching anomaly in the southwestern quadrant of Misty No. 6 claim. This anomaly occupies an area of probably light overburden below the talus along a moderate southwest-facing slope.

CONCLUSIONS

The exposed copper mineralization on the Misty claims is limited to small showings generally associated with northwest-trending faults or shears. The copper soil anomaly at the southeastern end of the claims warrants further investigation.


G. A. Noel



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#500 - 885 Dunsmuir St.,
Vancouver, B. C.

El Paso Mining & Milling Co.

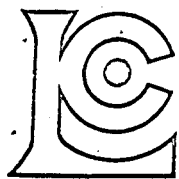
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DATE RECEIVED Oct. 2/70
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ATTN: Mr. G. A. Noel "Misty Project"

SAMPLE NO.:		PPM Copper
15N	20W	146 ✓
	21	64 ✓
	22	2000 ✓
	23	437 ✓
	24	173 ✓
	25	66 ✓
	26	120 ✓
	27	880 ✓
	28	152 ✓
	29	218 ✓
	30	410 ✓
	31	484 ✓
	32	173 ✓
	33	114 ✓
	34	60 ✓
	35	46 ✓
	36	76 ✓
	37	54 ✓
	38	31 ✓
	39	131 ✓
	40	56 ✓
	41	74 ✓
	42	46 ✓
	43	26 ✓
	44	200 ✓
15N	45W	72 ✓
16N	30W	200 ✓
17N	20W	36 ✓
	21	68 ✓
	22	520 ✓
	23	386 ✓
	24	600 ✓
	25	194 ✓
	26	410 ✓
	27	520 ✓
	28	100 ✓
	29	96 ✓
	30	224 ✓
	31	424 ✓
17N	32W	144 ✓
Std.		94

186-105
Misty Project

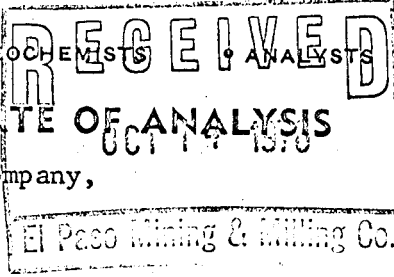
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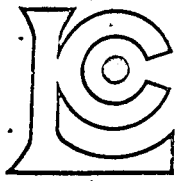
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ATTN: MR G. A. Noel "Misty Project"

SAMPLE NO.:	PPM Copper
17N 33W	.160 ✓
34	72 ✓
35	189 ✓
36	102 ✓
37	24 ✓
38	86 ✓
39	34 ✓
40	62 ✓
41	54 ✓
42	56 ✓
43	41 ✓
44	70 ✓
17N 45W	.46 ✓
18N 30W	.270 ✓
19N 22W	.78 ✓
23	840 ✓
24	760 ✓
25	410 ✓
26	400 ✓
27	136 ✓
28	124 ✓
29	189 ✓
30	88 ✓
31	520 ✓
32	374 ✓
33	320 ✓
34	154 ✓
35	42 ✓
36	141 ✓
37	212 ✓
38	320 ✓
39	41 ✓
40	.41 ✓
41	56 ✓
42	18 ✓
43	94 ✓
44	64 ✓
19N 45W	.31 ✓
20N 30W	.194 ✓
21N 22W	.68 ✓
Std.	92

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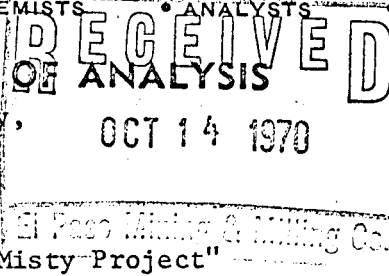


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SAMPLE NO.:		PPM Copper
21N	23W	128 ✓
	24	126 ✓
	25	236 ✓
	26	1080 ✓
	27	424 ✓
	28	183 ✓
	29	200 ✓
	30	320 ✓
	31	114 ✓
	32	300 ✓
	33	410 ✓
21N	34	76 ✓
	35	168 ✓
	36	183 ✓
	37	66 ✓
	38	136 ✓
	39	68 ✓
	40	118 ✓
	41	.80 ✓
	42	68 ✓
	43	31 ✓
	44	10 ✓
21N	45W	.84 ✓
22N	30W	.424 ✓
23N	23W	.374 ✓
	24	112 ✓
	25	134 ✓
	26	270 ✓
	27	152 ✓
	28	54 ✓
	29	168 ✓
	30	352 ✓
	31	46 ✓
	32	110 ✓
	33	100 ✓
	34	136 ✓
	35	200 ✓
23N	36	118 ✓
	37	41 ✓
23N	38W	.48 ✓

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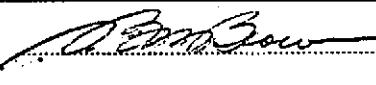
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SAMPLE NO.:		PPM Copper
23N	39W	. 80 ✓
	40	. 352 ✓
	41	126 ✓
	42	24 ✓
	43	33 ✓
	44	30 ✓
23N	45W	. 74 ✓
24N	30W	. 400 ✓
25N	23W	. 152 ✓
	24	320 ✓
	25	310 ✓
	26	168 ✓
	27	136 ✓
	28	206 ✓
	29	144 ✓
	30	400 ✓
	31	189 ✓
	32	128 ✓
	33	212 ✓
	34	620 ✓
	35	173 ✓
	36	200 ✓
	37	118 ✓
	38	96 ✓
	39	62 ✓
	40	64 ✓
	41	41 ✓
	42	74 ✓
	43	178 ✓
	44	46 ✓
25N	45	. 108 ✓
26N	30W	. 452 ✓
27N	26W	. 86 ✓
	27	114 ✓
	28	88 ✓
	29	189 ✓
	30	330 ✓
	31	116 ✓
	32	386 ✓
27N	33W	. 484 ✓
Std.		90

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SAMPLE NO.:		PPM Copper
27N	34W	1160 ✓
	35	146 ✓
	36	44 ✓
	37	42 ✓
27N	38W	22 ✓
28N	30W	452 ✓
29N	25W	63 ✓
	26	76 ✓
	27	80 ✓
	28	136 ✓
	29	173 ✓
	30	52 ✓
	31	88 ✓
	32	146 ✓
	33	72 ✓
	34	46 ✓
	35	74 ✓
	36	270 ✓
	37	48 ✓
29N	38W	110 ✓
30N	30W	106 ✓
31N	26W	72 ✓
	27	124 ✓
	28	700 ✓
	29	840 ✓
	30	248 ✓
	31	52 ✓
	32	310 ✓
	33	64 ✓
	34	236 ✓
	35	76 ✓
	36	144 ✓
	37	160 ✓
	38	63 ✓
31N	39W	98 ✓
32N	30W	68 ✓
33N	26W	136 ✓
	27	136 ✓
	28	300 ✓
33N	29W	200 ✓
Std.		98

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SAMPLE NO.:	PPM Copper
33N 30W	76 ✓
31	160 ✓
32	189 ✓
33	168 ✓
34	66 ✓
35	126 ✓
36	236 ✓
37	118 ✓
38	74 ✓
39	78 ✓
40	44 ✓
33N 41W	74 ✓
34N 30W	80 ✓
35N 26W	218 ✓
27	98 ✓
28	148 ✓
29	124 ✓
30	70 ✓
31	114 ✓
32	102 ✓
33	146 ✓
34	134 ✓
35	114 ✓
36	242 ✓
37	320 ✓
38	160 ✓
39	88 ✓
35N 40W	92 ✓
36N 30W	42 ✓
37N 26W	82 ✓
27	46 ✓
28	78 ✓
29	540 ✓
30	230 ✓
33	1040
34	880 ✓
35	292 ✓
36	437 ✓
37	126 ✓
37N 38W	168 ✓
Std.	94

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SAMPLE NO.:	PPM Copper
37N 39W	.76 ✓
37N 40W	.72 ✓
38N 30W	.2960
39N 27W	.236 ✓
28	.90 ✓
29	212 ✓
30	2080 ✓
31	1320 ✓
32	1280 ✓
33	1520 ✓
34	920 ✓
35	1240
36	2560
37	1800
38	66 ✓
39	138 ✓
40	78 ✓
41	106 ✓
39N 42W	.116 ✓
40N 30W	.236 ✓
41N 27W	.76 ✓
28	54 ✓
29	330 ✓
30	1480 ✓
31	1160 ✓
32	760 ✓
33	500 ✓
34	292 ✓
35	645 ✓
36	1120 ✓
37	386 ✓
38	110 ✓
39	173 ✓
40	68 ✓
41	136 ✓
41N 42W	.224 ✓
42N 30W	.467 ✓
43N 29W	.206 ✓
30	362 ✓
43N 31W	.562 ✓
Std. #2	94

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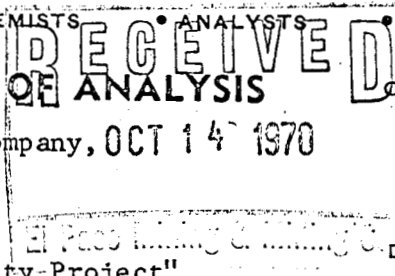


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SAMPLE NO.:	PPM Copper
43N 32W	645 ✓
33	1240 ✓
34	1480 ✓
35	840 ✓
36	242 ✓
37	1800 ✓
38	1760 ✓
39	206 ✓
40	270 ✓
41	500 ✓
42	206 ✓
43N 43W	128 ✓
44N 30W	362 ✓
45N 29W	320 ✓
30W	82 ✓
31	310 ✓
32	320 ✓
33	255 ✓
34	600 ✓
35	520 ✓
36	1760
37	3440
38	670 ✓
39	437 ✓
40	1080 ✓
41	500 ✓
42	183 ✓
45N 43W	400 ✓
46N 30W	158 ✓
47N 30W	620 ✓
48N 30W	437 ✓
52N 30W	144 ✓
53N 30W	80 ✓
54N 30W	58 ✓
55N 30W	200 ✓
56N 20W	148 ✓
21	134 ✓
22	126 ✓
23	92 ✓
56N 24W	41 ✓
Std. #2	90

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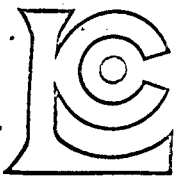
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ATTN: Mr. G. A. Noel

"Misty Project"

SAMPLE NO.:		PPM	
		Copper	
56N	25W	116	✓
	26	31	✓
	27	152	✓
	28	131	✓
	29	50	✓
	30	120	✓
	31	136	✓
	32	131	✓
56N	33W	173	✓
57N	30W	248	✓
58N	20W	262	✓
	21	104	✓
	22	292	✓
	23	112	✓
	24	108	✓
	25	33	✓
	26	90	✓
	27	38	✓
	28	141	✓
	29	90	✓
	30	102	✓
	31	48	✓
	32	168	✓
58N	33W	116	✓
59N	30W	128	✓
60N	20W	218	✓
	21	168	✓
	22	46	✓
	23	114	✓
	24	41	✓
	25	200	✓
	26	34	✓
	27	46	✓
	28	72	✓
	29	82	✓
	30	200	✓
	31	88	✓
	32	31	✓
	33	183	✓
60N	34W	86	✓
Std. #2		98	

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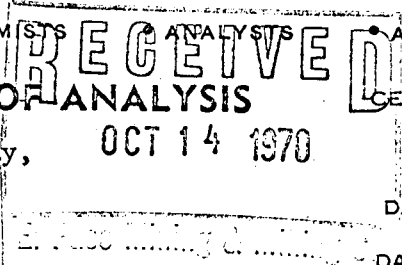


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TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

CERTIFICATE NO. 12294
INVOICE NO. 4269
DATE RECEIVED Oct. 2/70
DATE ANALYSED Oct. 9/70

ATTN: Mr. G. A. Noel

"Misty Project"

SAMPLE NO.:	PPM Copper
61N 30W	34 ✓
62N 20W	52 ✓
21	40 ✓
22	28 ✓
23	28 ✓
24	80 ✓
25	96 ✓
26	178 ✓
27	112 ✓
28	255 ✓
29	24 ✓
30	173 ✓
31	82 ✓
32	110 ✓
33	212 ✓
34	285 ✓
35	74 ✓
36	452 ✓
37	58 ✓
38	76 ✓
39	54 ✓
40	178 ✓
62N 41W	118 ✓
63N 30W	21 ✓
64N 30W	66 ✓
65N 30W	64 ✓
66N 20W	66 ✓
21	28 ✓
22	183 ✓
23	44 ✓
24	116 ✓
25	66 ✓
26	98 ✓
27	70 ✓
28	52 ✓
29	64 ✓
30	48 ✓
31	51 ✓
32	86 ✓
66N 33W	30 ✓
Std. #2	90

Certified by

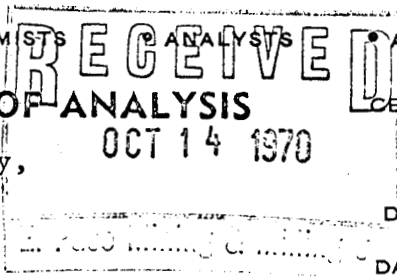


12 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648

CHEMEX LABS LTD.

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ANALYSIS



CERTIFICATE NO. 12295
INVOICE NO. 4269
DATE RECEIVED Oct. 2/70
DATE ANALYSED Oct. 9/70

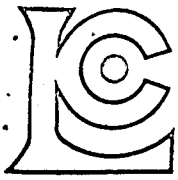
TO: El Paso Mining and Milling Company,
#500 - 885 Dunsmuir St.,
Vancouver, B. C.

ATTN: Mr. G. A. Noel

"Misty Project"

SAMPLE NO.:		PPM Copper
66N	34W	31 ✓
	35	52 ✓
	36	72 ✓
	37	33 ✓
	38	224 ✓
	39	212 ✓
	40	270 ✓
66N	41W	352 ✓
67N	30W	30 ✓
68N	30W	21 ✓
69N	30W	100 ✓
70N	21W	51 ✓
	22	41 ✓
	23	52 ✓
	24	60 ✓
	25	8 ✓
	26	18 ✓
	27	16 ✓
	28	30 ✓
	29	20 ✓
	30	50 ✓
	31	13 ✓
	32	12 ✓
	33	34 ✓
	34	34 ✓
	35	4 ✓
	37	20 ✓
70N	38W	21 ✓
71N	30W	48 ✓
72N	30W	46 ✓
73N	30W	54 ✓
74N	20W	14 ✓
	21	20 ✓
	22	134 ✓
	23	31 ✓
	24	46 ✓
	25	42 ✓
	26	84 ✓
	27	54 ✓
74N	28W	116 ✓
Std.		94

Certified by 

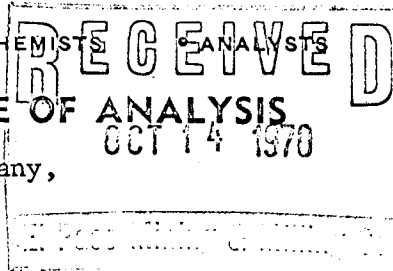


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TO: El Paso Mining and Milling Company,
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Vancouver, B. C.

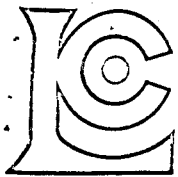
CERTIFICATE NO. 12296
INVOICE NO. 4269
DATE RECEIVED Oct. 2/70
DATE ANALYSED Oct. 9/70

ATTN: Mr. G. A. Noel

"Misty Project"

SAMPLE NO.:	PPM Copper
74N 29W	108 ✓
31W	26 ✓
32	122 ✓
33	38 ✓
34	51 ✓
35	33 ✓
36	34 ✓
37	58 ✓
74N 38W	141 ✓
75N 30W	22 ✓
76N 30W	40 ✓
77N 30W	28 ✓
78N 20W	128 ✓
21	78 ✓
22	46 ✓
23	152 ✓
24	131 ✓
25	44 ✓
27	183 ✓
28	262 ✓
29	90 ✓
30	56 ✓
31	60 ✓
32	285 ✓
33	148 ✓
34	146 ✓
35	242 ✓
36	90 ✓
37	138 ✓
78N 38W	645 ✓
80N 30W	74 ✓
81N 30W	86 ✓
82N 20W	30 ✓
21	46 ✓
22	68 ✓
23	230 ✓
24	56 ✓
25	52 ✓
27	48 ✓
82N 28W	76 ✓
Std.	96

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TELEPHONE: 985-0648

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RECEIVED

CERTIFICATE OF ANALYSIS

OCT 14 1970

CERTIFICATE NO. 12297
INVOICE NO. 4269
DATE RECEIVED Oct. 2/70
DATE ANALYSED Oct. 9/70

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

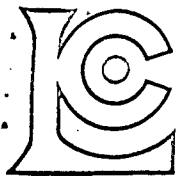
ATTN: Mr. G. Noel

"Misty Project"

SAMPLE NO.:	PPM Copper
82N 29W	98 ✓
30	28 ✓
31	104 ✓
32	70 ✓
33	116 ✓
34	50 ✓
35	72 ✓
36	94 ✓
37	88 ✓
82N 38W	124 ✓
83N 30W	880 ✓
84N 30W	94 ✓
86N 20W	34 ✓
21	21 ✓
22	106 ✓
23	20 ✓
24	86 ✓
25	22 ✓
26	168 ✓
27	51 ✓
28	41 ✓
29	141 ✓
30	136 ✓
31	277 ✓
32	156 ✓
33	212 ✓
34	84 ✓
35	218 ✓
36	126 ✓
37	80 ✓
86N 38W	242 ✓
87N 30W	100 ✓
88N 30W	154 ✓
89N 30W	126 ✓
90N 20W	48 ✓
21	16 ✓
22	94 ✓
23	128 ✓
24	141 ✓
90N 25W	156 ✓
Std.	96

500
26

Certified by *[Signature]*



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CANADA
TELEPHONE: 985-0648

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CERTIFICATE OF ANALYSIS

RECEIVED

CERTIFICATE NO. 12298

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

OCT 14 1970

INVOICE NO. 4269

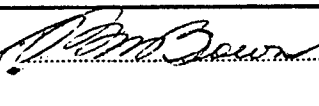
DATE RECEIVED Oct. 2/70

DATE ANALYSED Oct. 9/70

ATTN: Mr. G. A. Noel

"Misty Project"

SAMPLE NO.:	PPM
90N 26W	Copper
27	72 ✓
28	144 ✓
29	74 ✓
30	168 ✓
90N 31W	72 ✓
	104 ✓

Certified by 

Canada

Province of British Columbia

To Wit:

In the Matter of

Wages and costs incurred in a detailed
geochemical survey, Misty claims, Duckling
Creek Area, Omineca M.D., B. C.

I,

H. G. Hester

, of

Vancouver

in the Province of British Columbia.

Do Solemnly Declare that the following wages and costs were directly expended on a geological and geochemical survey of the Misty claims between September 1, 1970 and September 15, 1970

Wages

H.R. Bullis	15 days	Sept.1-Sept.15, 1970 @ \$850/month	\$ 425.00
P. Kehler	15 days	Sept.1-Sept.15, 1970 @ \$550/month	225.00
R. Sweder	15 days	Sept.1-Sept.15, 1970 @ \$550/month	225.00
M. Thompson	15 days	Sept.1-Sept.15, 1970 @ \$550/month	<u>225.00</u>
			\$ 1,100.00

Total Wages:	\$ 1,100.00
Helicopter Servicing:	1,000.00
Geochemical Analyses	
-Cu 577 samples	<u>619.08</u>
	\$ 2,719.08

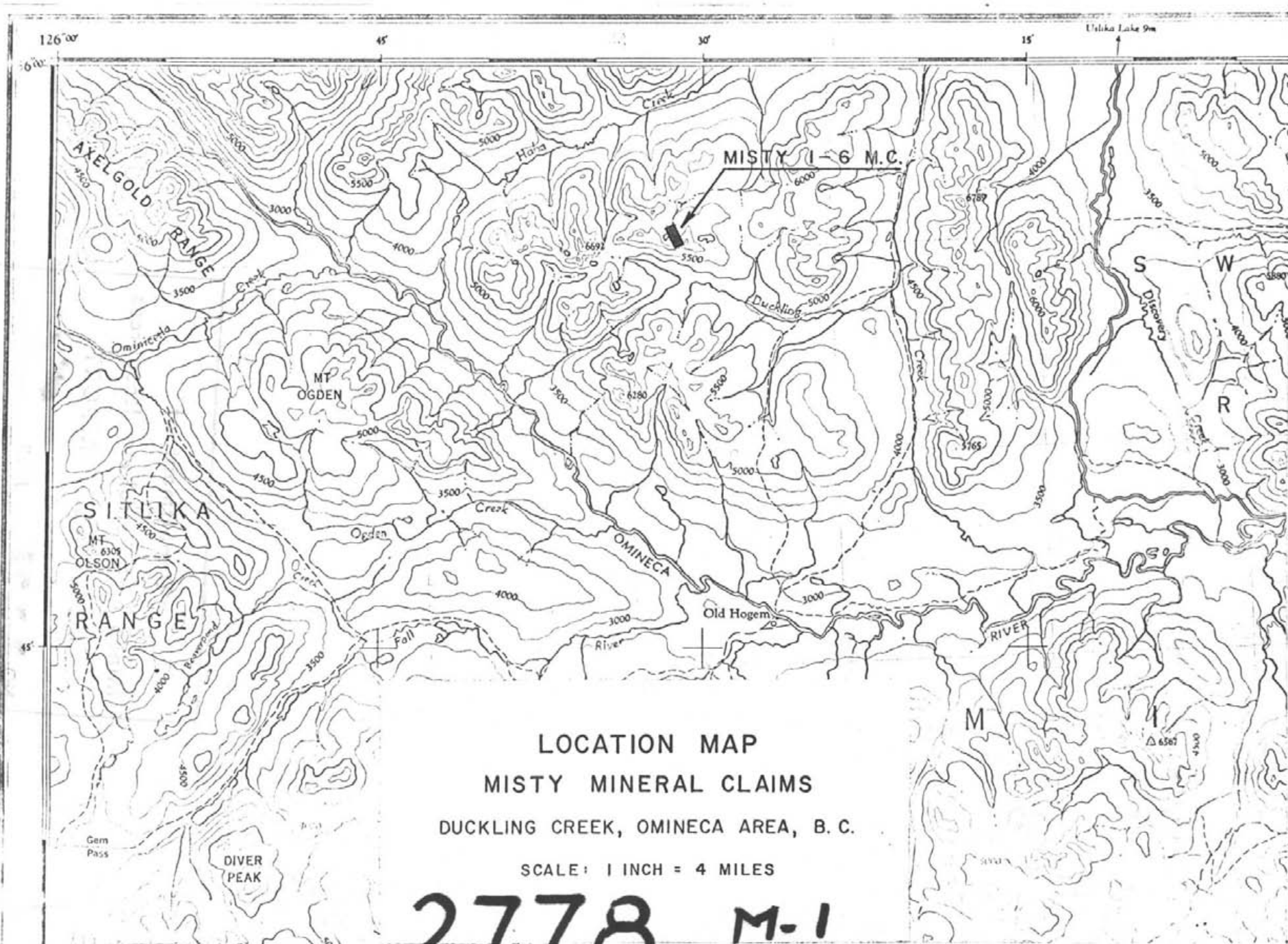
And I make this solemn Declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath, and by virtue of the Canada Evidence Act.

Declared before me

APPENDIX A
GEOCHEMICAL ANALYSES

APPENDIX B

STATEMENT OF COSTS



90 N
BASE LINE

S-M 875 W-5

2778 M-2



LEGEND

- 4 COARSE TO FINE GRAINED DIORITE
- 3 COARSE TO FINE GRAINED QUARTZ DIORITE
- 2 COARSE TO FINE GRAINED ORTHOCLASE - SYENITE
- 1 APLITIC DYKES

SYMBOLS

- OUTCROP
- GEOLOGICAL CONTACT
- GEOLOGICAL CONTACT, INFERRED
- FAULT
- DYKE OR VEIN WITH STRIKE & DIP
- SHEAR
- FRACTURE
- MINERALIZED AREA
- PIT
- CLAIM POST

NOTE: ASSAY RESULTS MARKED (63) WERE TAKEN BY RELIANCE MINERALS LTD. IN JULY 1963.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2778 MAP

MAP No. 1

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

GEOLOGY
MISTY CLAIMS
DUCKLING CREEK, OMINECA AREA, B.C.

DRAWN BY: K.L.J.	DATE: NOV 1970	SCALE: 1"=200'
TRACED BY:	DATE:	
REVISED: DATE	REVISED: DATE	
DRAWING No:		93 N 13-A1



- LEGEND**
- 525 SURVEY STATION WITH MAGNETOMETER VALUE IN GAMMAS
 - 500 CONTOUR INTERVAL 500 GAMMAS
 - MAGNETIC DEPRESSION
 - - - APPROXIMATE EDGE OF TALUS
 - ~~~~~ APPROXIMATE EDGE OF BRUSH

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2778 MAP

MAP No. 2

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

MAGNETOMETER SURVEY
MISTY CLAIMS
DUCKLING CREEK, Omineca AREA, B.C.

DRAWN BY: K.L.J.	DATE: OCT 1970	SCALE: 1" = 200'
TRACED BY:	DATE:	
REVISED:	DATE:	
		DRAWING No.:
		93 N 13-A2

M-3

2778



W-7
8775

2778
M-4

LEGEND

CONTOUR INTERVAL 150 PPM BELOW 900 PPM.
CONTOUR INTERVAL 300 PPM ABOVE 900 PPM.
BACKGROUND 150 PPM.

- POSSIBLY ANOMALOUS 300 - 600 PPM.
- PROBABLY ANOMALOUS 600 - 1200 PPM.
- DEFINITELY ANOMALOUS > 1200 PPM.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2778 MAP

MAP No. 3

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

GEOCHEMICAL SOILS
COPPER IN P.P.M.
MISTY CLAIMS
DUCKLING CREEK, Omineca Area, B.C.

DRAWN BY - K.L.J.	DATE - NOV. 1970	SCALE - 1" = 200'
TRACED BY	DATE	
REVISED	DATE	
		DRAWING No. 93 N 13 - A3