

REPORT ON THE MOLY CLAIMS  
OF  
NORSEMONT MINING CORPORATION

This report covers a geological and geochemical survey, a trenching and percussion drilling program, and a road construction program completed in 1979.

A soil sampling survey and grid were completed on the KD No. 1, KM No. 2, KM No. 3, KM No. 4, and the Moly Claims.

The road work was completed on the Moly, KM No.1, KM No. 2, KM No. 3 and KM No. 4 claims.

The geological survey, trenching and percussion drilling were completed on the Moly claim.

The Norsemont claims are located in the Kamloops Mining Division, Map 92P/16W, Longitude 120°25'W, Latitude 51°48'N.

The owner-operator of the claims is Norsemont Mining Corporation.

Consulting Geologist: John DeLeen, P.Eng.  
Report by: John DeLeen, P.Eng.  
Date: February 4, 1980  
Vancouver, B.C.

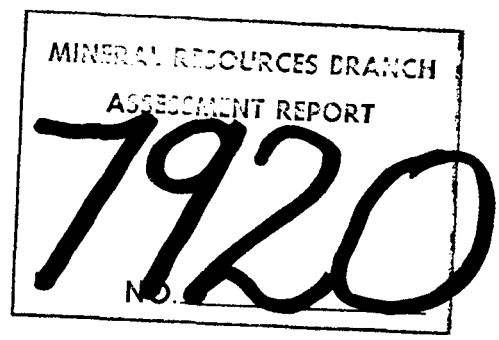


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## APPENDIX

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Not Filing

Centre Group	-	Work
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Egil Livgard, P. Eng.

## INTRODUCTION

### LOCATION AND ACCESS

The Moly Group is located about <sup>30</sup>~~48~~ kilometers northwest of Clearwater, B.C. (see Figure 1). Access to the property is by vehicle on the roads of the Clearwater Timber Company. The distance by road is about 30 miles. Traffic during the daytime is restricted as these roads are used for logging purposes.

## PROPERTY DEFINITION

### HISTORY OF THE MOLY CLAIM GROUP

The Moly claims were staked in 1978 by Kaare Peterson and Magnus Bratlien on two molybdenum occurrences located in the Sicily Lake area of British Columbia (see Fig. 1). In December 1978 the claims were optioned by Lorado Mining Corporation. The name of the company changed to Norsemont Mining Corporation in January 1980.

The Moly claims were located over the former AKU "A", AKU "B", "Nod" and "SL" claim group. A geochemical soil sampling program for copper and molybdenum, and an IP survey were completed on the property by the previous owners and the data is summarized on Figure 6. This survey was completed over an area of 6.44 by 4.02 kilometers. Molybdenum geochemical anomalies occur over an area of 4.0 by 2.0 kilometers. Four short x-ray drill holes were completed by Noranda Mines on the northwestern side of one of the anomalies. In general, low molybdenum values are reported to have been found in the holes; one of the holes,

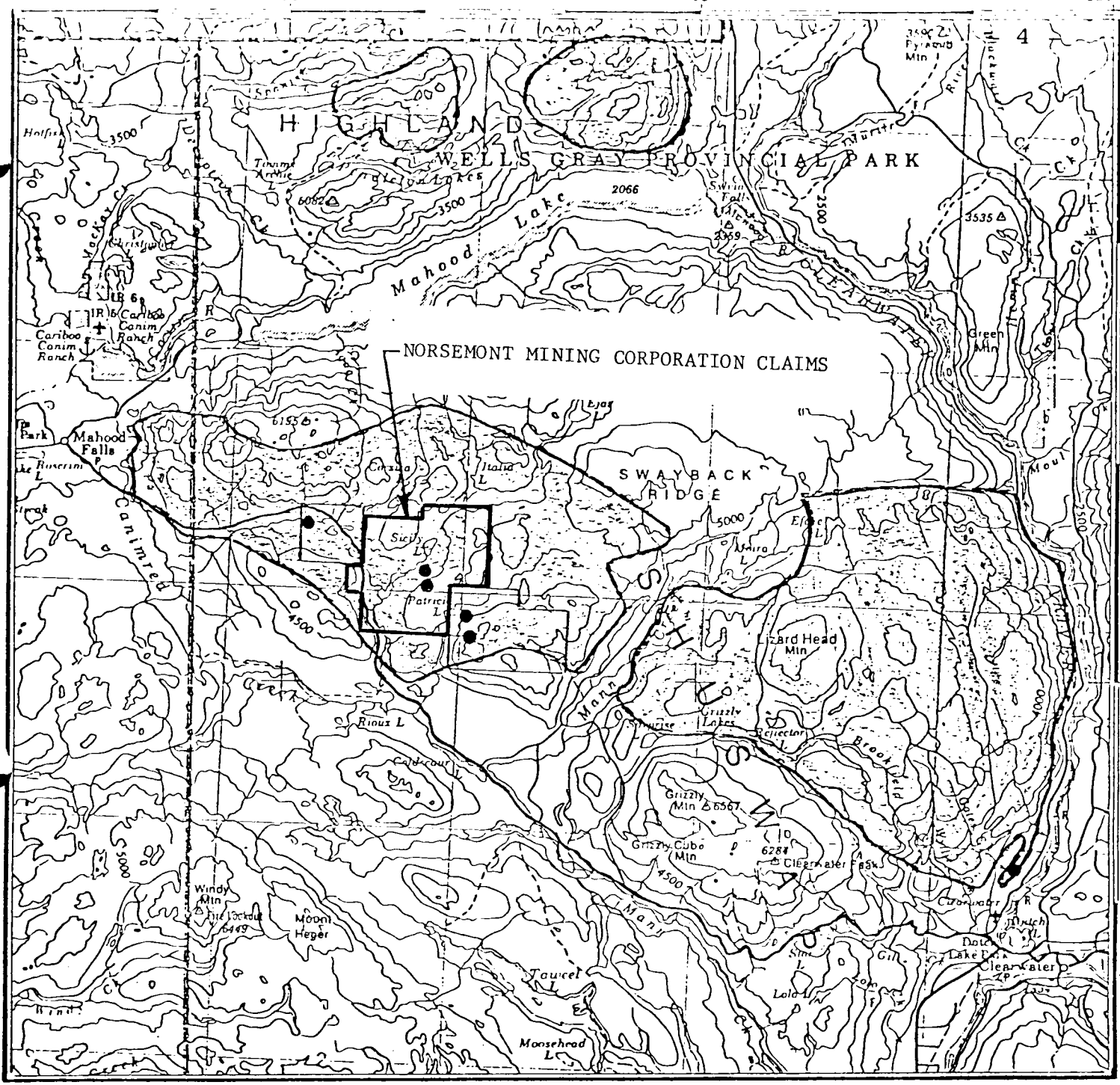


Figure 1

MOLY CLAIMS

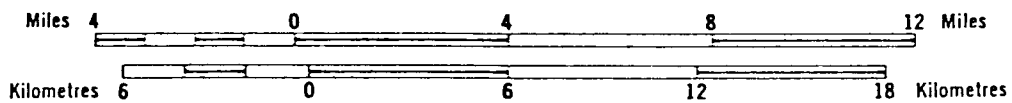
Norsemont Mining Corporation

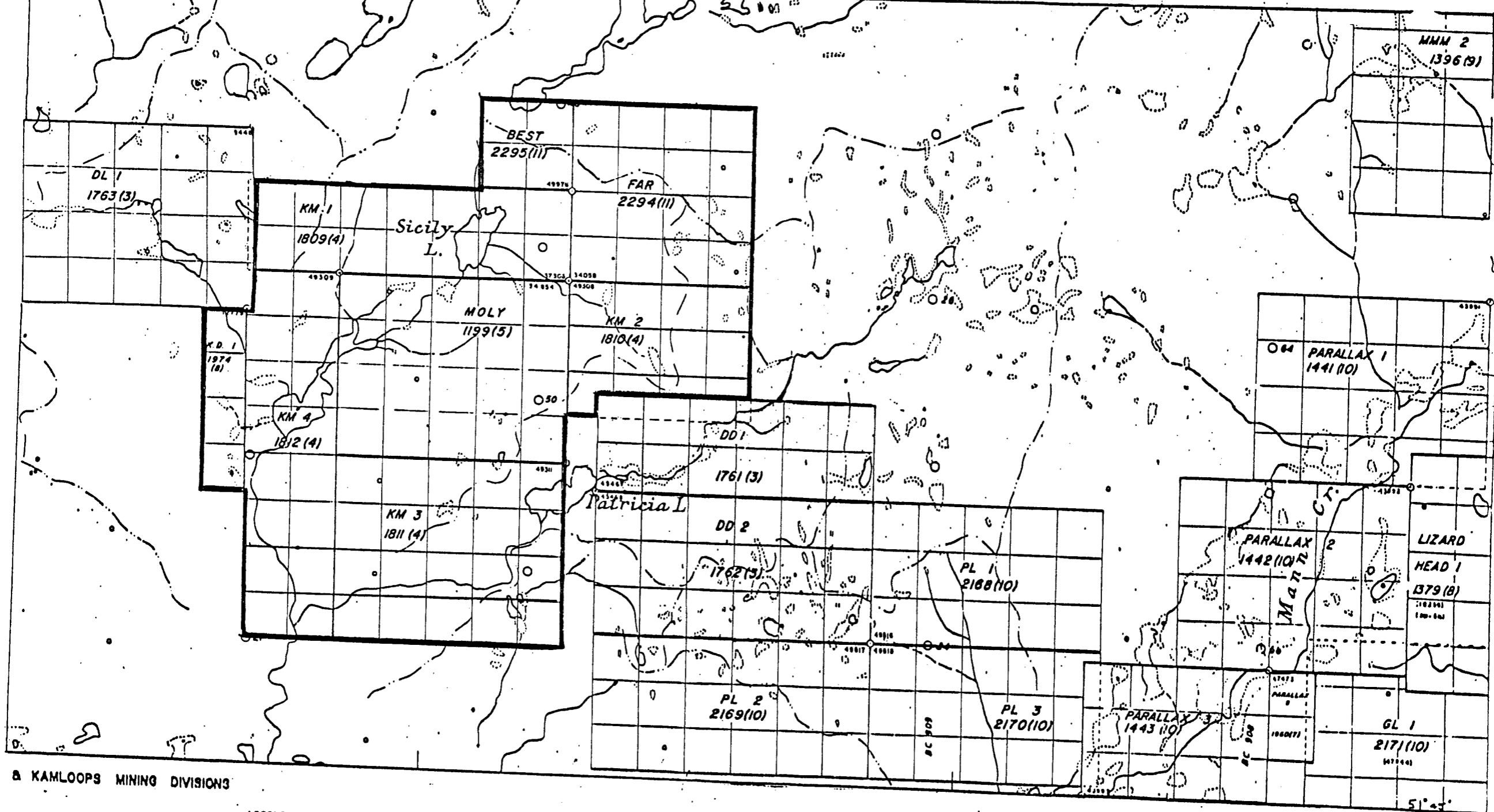
● Molybdenum Occurrence



Raft and Baldy Batholiths  
Quartz monzonite & granodiorite,

Scale 1:250,000





8 KAMLOOPS MINING DIVISIONS

LEGEND  
 CROWN-GRANTED MINERAL CLAIM  
 REVERTED C.G. MINERAL CLAIM  
 FORFEITED MINERAL CLAIM  
 VERIFIED LEGAL CORNER POST  
 LEGAL SURVEY  
 LEGAL CORNER POST & TAG NUMBER

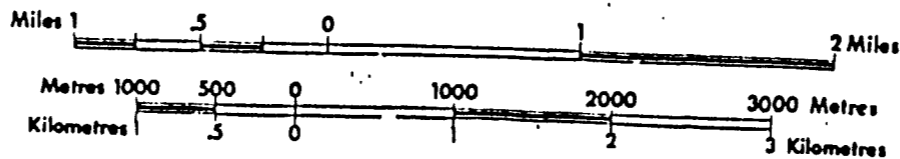


FIGURE 2  
 MOLY CLAIMS  
 Norsemont Mining Corporation  
 Clearwater, B.C.

120° 15'

however, is reported to have intersected a 3 meter section of high grade molybdenite. Unfortunately, only a small fragment of this core was available for assay. The assay data from the drilling is not available. An examination of the IP data shows that there is no spatial relation between the IP and the geochemical anomalies. The water-saturated sediments and the clay beds located within the glacial debris, have produced false IP anomalies, or have masked areas of sulfide mineralization.

#### CURRENT OWNER OF THE MOLY CLAIMS

The claims, which were acquired by Norsemont Mining Corporation, cover the two of the five known molybdenum occurrences in the Sicily-Patricia Lake area. (see Figure 1) The work noted below was carried out by Norsemont Mining Corporation during the 1979 field season.

#### ASSESSMENT OF PROPERTY

The molybdenite and chalcopryrite occurs as fracture plane fillings and disseminations within the quartz monzonite of the Raft and Baldy Mountain Batholiths. The area of molybdenite mineralization is believed to be located in a northwest-trending zone that has a width of about one kilometer and a length of about six kilometers. Molybdenite and chalcopryrite have been found in non-economic quantities in all of the trenches and drill holes completed in this zone to date. However, only a minor portion of the molybdenite zone was tested in 1979. A program of geological mapping, geochemical surveying and percussion drilling is warranted on the



molybdenite zone on the Moly claims.

SUMMARY OF WORK COMPLETED IN 1979

GEOCHEMICAL SURVEYS

Six hundred four (604) soil samples were assayed for Mo, Cu and some for Ag. Seventeen (17) grab samples were assayed for Mo, Cu, Au and Ag. (Figures 7 & 3) (Appendix "D")

DRILLING

Eleven (11) percussion holes were completed for a total of 683 meters (Figures 3 & 9-11, inclusive).

GEOLOGICAL SURVEY

An area of 1000 x 200 meters was mapped on a scale of 1:250 (Figure 3).

PROSPECTING

An area of almost 12 square kilometers was prospected.

LINE CUTTING

A 4000 meter baseline was cut and 13,700 meters of cross lines were flagged. (See Figure 4)

TRENCHING AND ROAD CONSTRUCTION

Two thousand (2,000) meters of trenching and 9,300 meters of road were completed (See Figure 4).

WORK PERFORMED

The work completed in 1979 was performed on the following claims:

GEOCHEMICAL SURVEYS, LINE CUTTING & FLAGGING

KD No. 1, Moly, KM No. 2, KM No. 3 and KM No. 4 Claims.

DRILLING

Drilling was completed on the Moly claims.

GEOLOGICAL SURVEY

Geological mapping was completed on the Moly claim.

PROSPECTING

Prospecting was completed on the KM No. 1, KM No. 2, KM No. 3, KM No. 4, KD No. 1, Far and Moly claims.

TRENCHING AND ROAD CONSTRUCTION

The trenching was completed on the Moly claim and the road construction was completed on the KM No. 1, KM No. 2, KM No. 3, KM No. 4 and Moly claims.

GEOLOGY OF THE MOLY CLAIM

The rocks on the claim group are all of intrusive origin (See Figure 1). These rocks are a part of the Raft and Baldy Intrusives. This intrusive has a length of about 42 kilometers and a width of about 12 kilometers. The rocks of the intrusive vary in composition from a quartz-monzonite to a diorite, and the rocks on the claim group are quartz-monzonite which contain an unusually large amount of pink potash feldspar. The pegmatitic quartz-monzonite has a

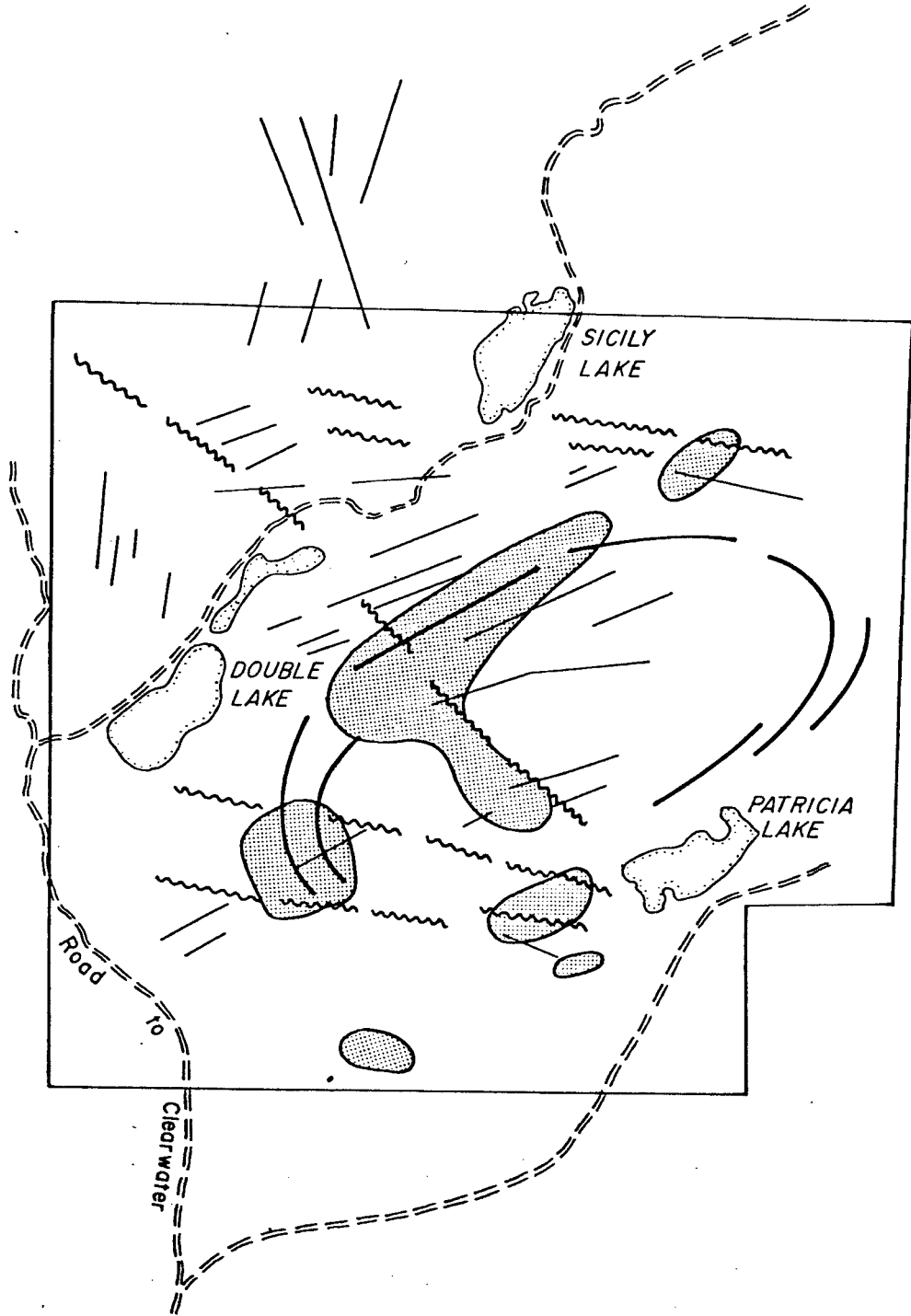
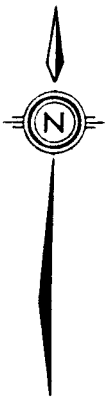
medium grain size. While the potassium feldspar crystals vary in size and colour, they are generally about 0.5 centimeters in diameter and have a pinkish colour. The size of the pegmatite phase of the Raft and Baldy Mountain Intrusive is unknown; the pegmatite phase, however, has been found on all of the Norsemont claims.

A study of the aerial photographs of the area of mineralization shows a fracture pattern similar to that of shallow intrusive (See Figure 5). However, the field work to date has not found evidence of this intrusion.


#### MINERALIZATION

The mineralization on the claim group is chalcopyrite, molybdenite and pyrite. The zone of mineralization was found by geochemical sampling of the streams. The molybdenite forms a major geochemical anomaly of about 4 kilometers by 2.0 kilometers. Contouring has been completed on the 12 and 26 ppm on Figure 4. The geochemical anomalies on the Moly claim group have been compiled by Mr. C. Livgard, P.Eng., on Figure 4. The molybdenum values have been contoured on 12 and 26 ppm molybdenum. The anomalous areas were re-sampled and the molybdenum anomalies check the results of the previous sampling of the property by Noranda Mines (see Figure 6).

The molybdenum anomaly of plus 26 ppm located about 1400 meters due south of Sicily Lake was trenched by Norsemont (Lorado) Mining Corporation in October 1979 (see Figure 3). The trenched area was 2,000 meters in length and about



LEGEND

 Photo interpretation lineaments and probable faults.

 Soil anomaly


 Probable intrusive plug.

FIGURE 5  
NORSEMONT MINING CORPORATION  
PHOTO INTERPRETATION  
and  
POSSIBLE INTRUSION  
Moly Claims, Clearwater, B.C.  
Scale 1:283

by  
E. Livgard

100 meters in width. Only the trenches located in the northeastern part of the area reached bedrock. The southwestern 1.1 kilometers of the trench, which was located in an anomalous area of plus 12 ppm molybdenum, failed to expose bedrock. All of the trench area is covered by glacial debris.

The Norsemont personnel surveyed the trenched area by tape and compass (see Figure 3). All of the rocks found in the trenches were found to be a pink, pegmatitic quartz-monzonite. The rocks have been fractured and faulted. The faults in the trenches have a strike of 200 degrees and dip east at angles of 35 to 90 degrees. The fractures, generally, have a strike of 020 to 110 degrees, and vertical dip. These structures are, in general, parallel to the linears noted in Figure 4. The pegmatitic quartz-monzonite has been drilled and blasted. The mineralization is limonite, chalcopryrite, molybdenite and pyrite which occur along fracture planes and as disseminations within the intrusive. It is thought that the limonite has been partly developed from the molybdenite, chalcopryrite and pyrite.

Grab samples of representative material were taken from the blasted material in the trenches in Figure 3. The locations of these samples are plotted on Figure 3. The samples taken by the writers were as follows:

	<u>SAMPLE</u>	<u>% Mo</u>	<u>% Cu</u>	<u>Oz Au</u>	<u>Oz Ag</u>	<u>DESCRIPTION</u>
(A)	Grab	0.049	0.100	0.002	0.20	Oxidized intrusive
(B)	Grab	0.002	0.010	0.002	0.10	Oxidized intrusive
(C)	Grab	0.240	0.01	0.002	Tr	Fresh intrusive
(C <sub>1</sub> )	Grab	0.140	0.002	0.002	Tr	Fresh intrusive
(D)	Grab	0.007	0.010	0.002	0.05	Crushed & Oxidized intrusive 2 meters below surface
(E)	Grab	0.004	0.010	0.006	0.05	Crushed & Oxidized intrusive 4 meters below surface
(F)	Grab	0.039	0.003	0.004	Tr	Fresh intrusive
(G)	Grab	0.024	0.020	0.002	Tr	Fresh intrusive
(H)	Grab	0.001	0.020	0.018	0.20	Limonitic intrusive
(I)	Grab	0.090	0.84	0.002	0.21	Fresh intrusive
(I <sub>1</sub> )	Grab	0.061	0.02	0.002	Tr	Fresh intrusive
(J)	Grab	0.006	0.48	0.004	1.33	From large boulder

The grab samples taken by Norsemont Mining Corporation gave the following results:

<u>LOCATION OF GRAB SAMPLE</u>	<u>% Cu</u>	<u>% Mo</u>	<u>Oz Au</u>	
825 SW, 50 NW	0.71	0.056		
825 SW, 50 NW	0.95	0.13	0.003	Pegmatite-monzonite
1000 SW, 50 NW	2.89	0.030		Pegmatite-monzonite
Limonite Soil, Trench 2	0.03	0.018		Pegmatite-monzonite
	0.01	1.30		Brecciated aplitic material

## PERCUSSION DRILLING

In order to further test the anomalous areas, eleven shallow percussion drill holes for a total of 683.0 meters were completed in a limited area in the plus 26 molybdenum anomaly (See Figure 6). The cuttings from the percussion drilling were collected in large plastic containers, mixed with a flocculant and set aside to settle. The water was decanted and the sludge was collected in a plastic bag and sent for assay. Owing to the heavy snowfall, only an area of 200 x 300 meters was tested by drilling (See Figure 3 for drill hole location). The first five holes of the proposed program could not be completed, and the holes are numbered P79-6 to P79-16, inclusive. The cuttings from the percussion drilling were assayed by geochemical methods. The results of the drilling are shown on Figures 8 to 11, inclusive.

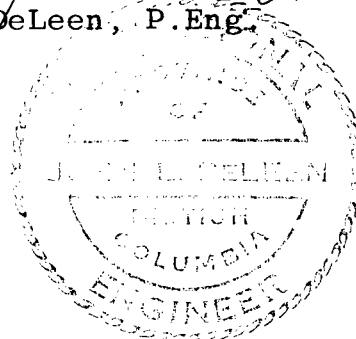
The silver in the percussion holes appears to be related to the copper mineralization. The silver values found in the drilling completed by Norsemont Mining explains the silver anomalies found in the soil samples taken by Amoco in 1974 (See Figure 4). The molybdenum content found to date in the limited area tested by the percussion drilling, had a lower grade than that of the surface samples. It is thought that, owing to platy nature of the molybdenite, there could be a loss of molybdenum in the drilling and the preparation of the samples. However, as noted, the samples were carefully collected and prepared.

CONCLUSIONS

The work on the Moly claim group has confirmed the presence of molybdenum and copper in the pegmatitic phase of the Baldy Intrusion. There is evidence suggesting that the molybdenite has been partially leached. To date only a minor portion of the anomalous molybdenum areas on the claim group have been tested. It is necessary to sample and to test all of the anomalous molybdenum areas in order to determine if there is an economic deposit of molybdenum and/or copper. An exploration program on the Moly claims is warranted. The geochemical check grid of Figure 7 should be extended to cover the area of Figure 4, and the geology of the claim area should be mapped in detail. A program of percussion and diamond drilling will be necessary to complete the sampling of the molybdenum anomalies. It is estimated that the cost of mapping, sampling and drilling will be \$ 200,000.

Respectfully submitted,  
DELEEN GEOLOGICAL CONSULTANTS LTD.

  
John DeLeen, P.Eng.





REFERENCES ON THE MOLY CLAIMS, CLEARWATER AREA

GSC Memoir 336 "Bonaparte Lake" by R.B. Campbell  
and H.W. Tipper

B.C. Dept. of Mines Annual Reports

1967	"CL" Mineral Claims, p. 131 "Mad-Nod" Mineral Claims, p. 132
1968	"CL-OX" Mineral Claims, p. 165 "Wet Sun Aku" Mineral Claims, p. 160
1969	"CL-OX" Mineral Claims, p. 230 "SL" Mineral Claims, p. 231
1970	"CS" Mineral Claim, p. 303 "Wet-Sun-Aku" Mineral Claims, p. 303
1971	"CS" Mineral Claims, p. 336
1973	"Nod-SL-CS" Mineral Claims, p. 283
1974	"Nod-SL-CS" Mineral Claims, p. 229
1976	"Nod-Aku-SL-CS" Mineral Claims, p. E132

APPENDIX "A"

LOGS OF PERCUSSION HOLES

P79-6 to P79-16

COMPLETED IN 1979

ON THE

MOLY CLAIMS

OWNED BY

NORSEMONT MINING CORPORATION

PERCUSSION HOLE NO.	FOOTAGE		DESCRIPTION
	FROM	TO	
P79-6	0	5	Overburden
	5	10	Oxidized light brown
	10	20	50% grey-black fragments, basic dyke
	20	40	Part basic dyke - also K-feldspar quartz-diorite with feldspathic quartz diorite
	40	60	Kaolinization, some epidote
	60	70	Mainly K-feldspar
	70	80	High kaoline content
	80	90	Part kaolinization, part K-feldspar
	90	110	Quartz-diorite, moderate K-feldspar
	110	180	Quartz-diorite unaltered
			END OF HOLE
P79-7	0	5	Overburden
	5	10	Light oxidation
	10	40	Quartz-diorite, kaolin & K-feldspar alteration in moderate amounts
	40	50	Intense K-feldspar alteration
	50	60	Quartz-diorite, moderate K-feldspar MoS <sub>2</sub> minor
	60	90	Quartz-diorite, minor K-feldspar
	90	100	Very high K-feldspar content
	100	120	Moderate K-feldspar content
	120	130	Minor K-feldspar content
	130	150	Quartz-diorite unaltered
			END OF HOLE
P79-8	0	10	Overburden
	10	20	Highly Oxidized
	20	30	Quartz-diorite, light kaolinization
	30	60	Quartz-diorite, increasing kaolinization
	60	70	Moderate to high kaolinization
	70	90	Moderate to high K-feldspar
	90	120	Quartz-diorite with minor K-feldspar
	120	140	Quartz-diorite
	140	150	Quartz-diorite, moderate kaolinization
	150	180	Quartz-diorite
		END OF HOLE	

PERCUSSION HOLE NO.	FOOTAGE		DESCRIPTION
	FROM	TO	
P79-9	0	10	Overburden
	10	20	Moderate Oxidation
	20	30	Quartz-diorite
	30	40	Quartz-diorite, high K-feldspar MoS <sub>2</sub> & chalcopyrite showing
	40	70	Quartz-diorite, moderate K-feldspar
	70	100	Quartz-diorite
	100	110	Quartz-diorite, minor K-feldspar
	110	250	Quartz-diorite, unaltered
			END OF HOLE
P79-10	0	20	Overburden
	20	30	Quartz-diorite, unaltered
	30	40	Quartz-diorite, minor K-feldspathization
	40	200	Quartz-diorite, unaltered
			END OF HOLE
P79-11	0	15	Overburden
	15	30	Moderately oxidized
	30	40	Quartz-diorite, minor K-feldspar
	40	220	Quartz-diorite, unaltered
			END OF HOLE
P79-12	0	10	Overburden
	10	20	Quartz-diorite, fresh quartz veining (50%)
	20	40	Quartz-diorite
	40	60	Quartz-diorite, K-feldspath (30%)
	60	70	Kaolinized, 30-40% K-feld. Specks of Cu
	70	100	Quartz-diorite, 35% K-feldspath, moderate kaolinization, specks of MoS <sub>2</sub> , chalcopyrite
	100	110	Quartz-diorite, fresh specks of MoS <sub>2</sub> with K-feldspar
	110	250	Quartz-diorite, fresh specks of MoS <sub>2</sub> with K-feldspar
			END OF HOLE
P79-13	0	10	Overburden
	10	60	Quartz-diorite, light argillic alteration
	60	70	Quartz-diorite
	70	80	Quartz-diorite, 20% K-feldspath Specks of MoS <sub>2</sub>
	80	100	Quartz-diorite, moderate argillic alteration

PERCUSSION HOLE NO.	FOOTAGE		DESCRIPTION
	FROM	TO	
P79-13	100	110	High kaoline and K-feldspar, moderate argillic alteration, specks of molybdenite and chalcopryrite
	110	120	Moderate to high argillic alteration
	120	130	Quartz-diorite, light argillic alteration
	130	230	Quartz-diorite, fresh
	230	240	Quartz-diorite, fresh High molybdenite content
			END OF HOLE
P79-14	0	5	Overburden
	5	30	Quartz-diorite, moderate argillic alteration
	30	40	Weak kaolin, weak K-feldspar
	40	80	Quartz-diorite, weak argillic alteration
	80	150	Quartz-diorite, fresh
	150	170	Quartz-diorite, considerable molybdenite
	170	250	Quartz-diorite, fresh
			END OF HOLE
P79-15	0	20	Overburden
	20	130	Quartz-diorite, fresh
			END OF HOLE
P79-16	0	15	Overburden
	15	30	High K-feldspar, specks of chalcopryrite
	30	40	Quartz-diorite, light kaolin
	40	190	Quartz-diorite, fresh
			END OF HOLE

Total drilling - 2,240 feet or 683 meters in 11 holes.

APPENDIX "B"

STATEMENT OF COSTS

for the

1979 EXPLORATION WORK

completed by

NORSEMONT MINING CORPORATION

on the

"MOLY CLAIM GROUP"

# DELEEN CONSULTING GEOLOGISTS LTD.

1015 - 837 W. HASTINGS STREET  
VANCOUVER, B.C. CANADA V6C 1C4

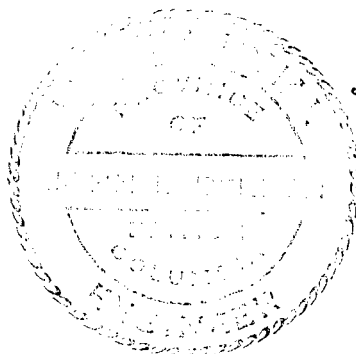
TELEPHONE (604) 685-5533  
TELEX - 04 - 54575

## CERTIFICATE

I, John L. DeLeen, of the City of Vancouver, in the Province of British Columbia, hereby certify the following:

1. I am a geological and mining engineer with an office at 1015 - 837 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with a B.A.Sc. (1943) and M.A.Sc. (1946) degrees in Geological Engineering. In 1950 I obtained the degree of Mining Engineer from the University of California.
3. I have practiced my profession since 1946.
4. I am a member of the Association of Professional Engineers of British Columbia.
5. I have no interest, direct or indirect, in the Moly claims, or the Norsemont Mining Corporation, nor do I expect to receive any such interest in the future.
6. This report is based upon personal examination of the property in October 1979, and upon the reports of the British Columbia Department of Mines.
7. I consent to the use of this report in a Prospectus or Statement of Material Facts.

Dated at Vancouver, British Columbia this 4th  
day of February 1980.



*John L. DeLeen*  
John L. Deleen, P.Eng.

APPENDIX "D"

ASSAY CERTIFICATE

from the

MOLY GROUP OF CALIMS

owned by

NORSEMONT MINING CORPORATION  
Vancouver, B.C.





To: Norsemont Mining Corporation  
409 - 1199 W. Pender St.,  
Vancouver, B.C.  
V6E 2R1

Assaying & Trace Analysis  
852 E. Hastings St., Vancouver, B. C. V6A 1R6  
phone:253 - 3158

File No. 0723

Type of Samples P. cuttings

Disposition \_\_\_\_\_

### GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Tag. No.	
P-79#6NW 5- 10	74	16	364	1
10- 20	158	23	365	2
20- 30	80	18	366	3
30- 40	320	18	367	4
40- 50	116	9		5
50- 60	58	6		6
60- 70	39	17	370	7
70- 80	68	28	371	8
80- 90	37	13	372	9
90-100	112	16	373	10
100-110	162	17	374	11
110-120	66	18	375	12
120-130	84	17		13
130-140	29	9	360	14
140-150	21	8	361	15
150-160	20	6	362	16
160-170	31	9	363	17
D-79#6NW 170-180	64	15	0526	18
				19
P-79-7SE 5- 10	220	122	373	20
10- 20	108	50	374	21
20- 30	320	230	375	22
30- 40	136	92	352	23
40- 50	235	94	353	24
50- 60	100	26	354	25
60- 70	92	24	355	26
70- 80	50	32	356	27
80- 90	43	30	357	28
90-100	28	23	358	29
100-110	47	24	359	30
110-120	45	22	360	31
120-130	98	34	361	32
130-140	62	46	362	33
P-79-7SE 140-150	146	25	363	34
				35
P-79-8NW 10- 20	68	220	364	36
20- 30	16	22	365	37
P-79-8NW 30- 40	15	8		38
				39
				40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 14, 1979

DATE REPORTS MAILED Dec. 21, 1979

ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corporation

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0723

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

2

SAMPLE No.	Mo	Cu	Tag. No.	
P-79-8NW 40- 50	26	14	367	1
50- 60	38	22	368	2
60- 70	34	14	369	3
70- 80	52	14	370	4
80- 90	50	22	371	5
90-100	31	25	372	6
100-110	25	13	373	7
110-120	124	9	374	8
120-130	46	14	375	9
130-140	35	18	351	10
140-150	24	10	352	11
150-160	46	14	353	12
160-170	29	24	354	13
170-180	24	15	355	14
180-190	27	11	356	15
P-79-8NW 190-200	20	13	357	16
P-79-9 10- 20	33	39	0527	17
20- 30	15	17	0528	18
30- 40	58	54		19
40- 50	96	58	0530	20
50- 60	230	17	0531	21
60- 70	96	14	0532	22
70- 80	134	14	0533	23
80- 90	128	12	0534	24
90-100	74	22	0535	25
100-110	78	18	0536	26
110-120	40	15	0537	27
120-130	68	12	0538	28
130-140	70	10	0539	29
140-150	60	7	0540	30
150-160	62	6	0541	31
160-170	168	15	0542	32
170-180	68	13	0543	33
180-190	54	10		34
190-200	270	16	0545	35
200-210	230	9	0546	36
P-79-9 210-220	104	11	0547	37
				38
				39
				40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 14, 1979

DATE REPORTS MAILED Dec. 21, 1979

ASSAYER *Dean Toy*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corporation

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0723

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

3

SAMPLE No.	Mo	Cu	Tag. No.	
P-79-9 220-230	49	10	0548	1
230-240	50	11	0549	2
P-79-9 240-250	176	8	0550	3
				4
P-79-11 15- 20	72	12	351	5
20- 30	19	8	352	6
30- 40	21	9	351	7
40- 50	98	12	352	8
50- 60	250	15	354	9
60- 70	112	17	355	10
70- 80	84	16	356	11
80- 90	260	8	357	12
90-100	46	4	358	13
100-110	134	46	359	14
110-120	31	24	360	15
120-130	25	20	361	16
130-140	22	11	362	17
140-150	54	16	363	18
150-160	23	7	364	19
160-170	31	12	365	20
170-180	18	29	366	21
180-190	78	33	367	22
190-200	58	25	368	23
200-210	74	22	369	24
P-79-11 210-220	48	12	370	25
				26
P-79-12 50- 60	210	20		27
				28
				29
				30
				31
				32
				33
				34
				35
				36
				37
				38
				39
				40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 14, 1979

DATE REPORTS MAILED Dec. 21, 1979

ASSAYER *[Signature]*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corporation  
409 - 1199 W. Pender St.,  
Vancouver, B.C.  
V6E 2R1

File No. 0707

Type of Samples P. cutting

Disposition \_\_\_\_\_

### GEOCHEMICAL ASSAY CERTIFICATE

1	SAMPLE No.														
		Mo	Cu												
P-79-10	20 - 30	38	56												1
	30 - 40	52	24												2
	40 - 50	43	33												3
	50 - 60	15	35												4
	60 - 70	14	32												5
	70 - 80	165	70												6
	80 - 90	190	50												7
	90 -100	180	32												8
	100 -110	176	33												9
	110 -120	106	26												10
	120 -130	108	22												11
	130 -140	70	33												12
	140 -150	68	26												13
	150 -160	52	20												14
	160 -170	52	22												15
	170 -180	84	35												16
	180 -190	132	44												17
P-79-10	190 -200	240	29												18
															19
P-79-12	10 - 20	32	45												20
	20 - 30	70	29												21
	30 - 40	102	36												22
	40 - 50	245	98												23
															24
	60 - 70	110	285												25
	70 - 80	58	600												26
	80 - 90	39	510												27
	90 -100	47	270												28
	100 -110	56	210												29
	110 -120	33	102												30
	120 -130	74	102												31
	130 -140	72	110												32
	140 -150	54	60												33
	150 -160	80	78												34
	160 -170	29	90												35
	170 -180	20	58												36
	180 -190	160	140												37
P-79-12	190 -200	200	98												38
															39
															40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 6, 1979

DATE REPORTS MAILED Dec. 13, 1979

ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corporation

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0707

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

2

SAMPLE No.	Mo	Cu																			
P-79-12 200 -210	70	68																			1
210 -220	35	42																			2
220 -230	98	40																			3
230 -240	112	37																			4
P-79-12 240 -250	78	42																			5
																					6
P-79-13 10 - 20	124	52																			7
20 - 30	108	11																			8
30 - 40	140	9																			9
40 - 50	68	12																			10
50 - 60	106	5																			11
60 - 70	164	31																			12
70 - 80	68	15																			13
80 - 90	68	200																			14
90 -100	21	420																			15
100 -110	15	124																			16
110 -120	19	88																			17
120 -130	30	19																			18
130 -140	52	17																			19
140 -150	380	52																			20
150 -160	102	21																			21
160 -170	44	18																			22
170 -180	100	34																			23
180 -190	76	54																			24
190 -200	76	26																			25
200 -210	68	30																			26
210 -220	54	26																			27
220 -230	34	29																			28
P-79-13 230 -240	2250	35																			29
																					30
																					31
																					32
																					33
																					34
																					35
																					36
																					37
																					38
																					39
																					40

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DIGESTION:.....  
DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 6, 1979  
DATE REPORTS MAILED Dec. 13, 1979  
ASSAYER Dean Toye  
DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corp.  
 409 - 1199 W. Pender St.,  
 Vancouver B.C.  
 V6E 2R1

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0729

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

SAMPLE No.	Mo	Cu	Ag						
P-79-14 0- 10	14	26	.8					0662	1
10- 20	18	38	.1					0663	2
20- 30	12	29	.1					0664	3
30- 40	8	11	.1					0665	4
40- 50	69	8	.1					0666	5
50- 60	6	5	.1					0667	6
60- 70	15	2	.1					0668	7
70- 80	18	3	.1					0669	8
80- 90	19	9	.1					0670	9
90-100	77	9	.1					0671	10
100-110	306	5	.1					0672	11
110-120	60	5	.1					0673	12
120-130	71	13	.1					0674	13
130-140	380	15	.1					0675	14
140-150	180	6	.1					0662	15
150-160	170	2	.1					0663	16
160-170	1200	5	.1					0664	17
170-180	1700	3	.1					0665	18
180-190	220	4	.6					0666	19
190-200	68	14	1.0					0667	20
200-210	230	40	.2					0668	21
210-220	140	20	.1					0669	22
220-230	92	26	.2					0670	23
230-240	210	6	.1					0671	24
P-79-14 240-250	94	6	.2					0672	25
P-79-14 0-250	314	19	.1					0652	26
P-79-14X 0- 10	29	36	.1					0653	27
10- 20	68	43	.5					0654	28
P-79-14X 20- 30	47	23	.4					0655	29
P-79-15 20- 30	4	9	.1					0652	30
30- 40	5	6	.1					0653	31
40- 50	6	5	.1					0654	32
50- 60	28	6	.1					0655	33
60- 70	78	7	.1					0656	34
70- 80	62	39	.1					0657	35
80- 90	72	21	.1					0658	36
P-79-15 90-100	520	19	.2					0659	37

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Dec. 24, 1979

DATE REPORTS MAILED Jan. 4, 1980

ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
 CHIEF CHEMIST  
 CERTIFIED B.C. ASSAYER



To: Norsemont Mining Corporation

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0729

Type of Samples

Disposition

### GEOCHEMICAL ASSAY CERTIFICATE

2

SAMPLE No.	Mo	Cu	Ag								
P-79-15 100-110	145	16	.1							0651	1
110-120	31	25	.1							0660	2
P-79-15 120-130	24	31	.2							0661	3
											4
P-79-15N 20-130	88	14	.1							0651	5
											6
P-79-16W 15- 20	34	3300	25.3							0656	7
20- 30	16	590	5.6							0657	8
30- 40	28	245	2.7							0658	9
40- 50	51	62	.7							0659	10
50- 60	31	13	.2							0660	11
60- 70	84	13	.3							0661	12
70- 80	75	62	.9							0673	13
80- 90	41	20	.1							0674	14
90-100	51	36	.1							0675	15
100-110	42	41	.3							0652	16
110-120	211	20	.2							0653	17
120-130	164	22	.2							0654	18
130-140	106	21	.2							0655	19
140-150	19	16	.1							0656	20
150-160	17	17	.1							0657	21
160-170	31	16	.1							0658	22
170-180	23	11	.2							0659	23
P-79-16W 180-190	14	12	.1							0660	24
											25
P-79-16 15-190	63	52	.4							0661	26
											27
											28
											29
											30
											31
											32
											33
											34
											35
											36
											37
											38
											39
											40

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DIGESTION:.....

DETERMINATION:.....

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DATE REPORTS MAILED Jan. 4, 1980

ASSAYER *D. Toye*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER

# GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2  
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO: Norsemont Mining Corporation  
 409 - 1199 West Pender Street  
 Vancouver, B.C.  
 V6E 2R1

## CERTIFICATE OF ASSAY

No.: 7909-0464 DATE: Sept. 21/79

We hereby certify that the following are the results of assays on: **Soil samples**

MARKED	xxxxxx	xxxxxx	Molybdenum Mo (ppm)	xxx	xxx	SAMPLE MARKED:	Molybdenum Mo (ppm)
<u>L1+OONW</u>						<u>L5+OONW</u>	
34+25SW			1.25			33+00SW	9.01
34+50SW			4.73			33+25SW	< 1.0
34+75SW			1.25			33+50SW	< 1.0
35+00SW			3.75			33+75SW	< 1.0
35+25SW			2.50			34+25SW	5.00
35+50SW			1.25			34+50SW	6.84
35+75SW			2.50			34+75SW	< 1.0
36+00SW			1.25			35+00SW	5.00
<u>L2+OONW</u>						<u>L6+OONW</u>	
34+25SW			7.50			32+00SW	2.50
34+50SW			9.90			32+25SW	3.78
34+75SW			7.50			32+50SW	5.00
35+00SW			2.50			32+75SW	6.22
35+25SW			1.25			33+00SW	7.44
35+50SW			3.75			33+25SW	5.00
35+75SW			1.25			33+50SW	5.00
36+00SW			1.25			33+75SW	8.70
<u>L3+OONW</u>						<u>L7+OONW</u>	
34+25SW			1.25			32+00SW	9.19
34+50SW			1.25			32+25SW	7.30
34+75SW			2.50			32+50SW	10.00
35+00SW			1.25			32+75SW	7.44
35+25SW			2.50			33+00SW	7.44
35+50SW			6.25			33+25SW	17.97
35+75SW			2.50			33+50SW	8.70
36+00SW			2.50			33+75SW	12.83
<u>L4+OONW</u>						<u>L8+OONW</u>	
33+00SW			3.74			32+00SW	11.37
33+25SW			7.36			32+25SW	8.70
33+50SW			2.50			32+50SW	7.44
33+75SW			< 1.00			32+75SW	7.44
34+25SW			6.84			33+00SW	7.44
34+50SW			2.50			33+50SW	5.00
34+75SW			< 1.0			33+75SW	5.00
35+00SW			10.80				

Continued on page 2 .....

RE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

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*R. Naudeau*  
**R. NADEAU, Chemist**

PROVINCIAL ASSAYER  
~~XXXXXXXXXXXX~~

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER American Society For Testing Materials • The American Oil Chemists' Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR National Institute Of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR Vancouver Board Of Trade



# GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD

1001 EAST PENDER ST VANCOUVER, B.C., CANADA, V6A 1W2  
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO: Norsemont Mining Corporation

(Continued) ... page 2 ...

## CERTIFICATE OF ASSAY

No.: 7909-0464

DATE: Sept. 21/79

We hereby certify that the following are the results of assays on: Soil samples

MARKED	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	Molybdenum	xxx	xxx	SAMPLE	MARKED:	Molybdenum
			Mo (ppm)					Mo (ppm)
<u>L9+00NW</u>						<u>L13+00NW</u>		
32+00SW			6.22			32+00NE		3.77
32+25			6.22			32+25		5.00
32+50			6.22			32+50		6.22
32+75			8.70			32+75		6.22
33+00			10.00			33+00		7.44
33+25			11.37			33+25		3.77
33+50			12.83			33+50		6.22
33+75SW			16.11			33+75NE		6.22
<u>L10+00NW</u>						<u>L34+00SW</u>		
32+00SW			12.83			0+25NW		6.22
32+25			11.37			0+50		6.22
32+50			12.83			0+75		3.77
32+75			11.37			1+00		2.50
33+00			11.37			1+25		2.50
33+25			8.70			1+50		3.77
33+50			6.22			1+75		1.18
33+75SW			6.22			2+00		1.18
<u>L11+00NW</u>						2+25		3.77
32+00SW			5.00			2+50		3.77
32+25			5.00			2+75		3.77
32+50			5.00			3+00		3.77
32+75			5.00			3+25		3.77
33+00			7.44			3+50		6.22
33+25			6.22			3+75		6.22
33+50			7.44			4+00		5.00
33+75SW			8.70			4+25NW		2.50
<u>L12+00SW</u>						<u>BL</u>		
32+00SW			8.70			34+25SW		2.50
32+25			10.00			34+50		2.50
32+50			2.50			34+75		3.77
32+75			2.50			35+00		6.21
33+00			5.00			35+25		7.44
33+25			2.50			35+50		3.77
33+50			3.77			35+75		3.77
33+75SW			5.00			36+00SW		3.77

/Continued on page 3 .....

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*R. Naudeau*  
**R. NADEAU, Chemist**

~~XXXXXXXXXX~~

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

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PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO: Norsemont Mining Corporation

(Continued) ... page 3 ...

## CERTIFICATE OF ASSAY

No.: 7909-0464      DATE: Sept. 21/79

We hereby certify that the following are the results of assays on:      Soil samples

MARKED	<del>xxxx</del>	<del>xxxx</del>	Molybdenum Mo (ppm)	<del>xxxx</del>	<del>xxx</del>	SAMPLE MARKED:	Molybdenum Mo (ppm)
<u>L34+00SW</u>						<u>L34+00SE</u>	
0+00SE			29.71			6+50NW	2.50
0+25			5.00			6+75	1.01
0+50			5.00			7+00	1.01
0+75			3.77			7+25	2.50
1+00			3.77			7+50	< 1.0
1+25			6.21			7+75	1.01
1+50			5.00			8+00	1.01
2+00			3.77			8+25	1.01
2+25			3.77			8+50	7.84
2+50			10.00			8+75	10.66
2+75			27.01			9+00	14.25
3+00			12.86			9+25	10.66
3+25			2.50			9+50	1.01
3+50			2.50			9+75	1.01
3+75			14.44			10+00	6.05
4+00			2.50			10+25	1.01
4+25			2.50			10+50	2.50
4+50			3.77			10+75	2.50
4+75			2.50			11+00	3.82
5+00			2.50			11+25	3.82
5+25			3.77			11+50	1.01
5+50			2.50			11+75	6.26
5+75			3.77			12+00	7.52
6+00			2.50			12+25	1.27
6+25			3.77			12+50	2.50
6+50			6.21			12+75	6.26
6+75			2.50			13+00	2.50
7+00SE			3.77			13+25	6.26
						13+50NW	5.00
<u>L34+00SE</u>						<u>L1+00SE</u>	
4+50NW			3.82			36+00SW	5.00
4+75			7.84			35+00	3.75
5+00			6.99			35+25	3.75
5+25			6.05			35+50	7.52
5+50			9.32			35+75SW	8.76
5+75			2.50				
6+00			1.01				
6+25NW			2.50				

/Continued on page 4 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

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*R. Naudeau*  
**R. NADEAU, Chemist**

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# GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD.

1001 EAST PENDER ST VANCOUVER, B.C., CANADA, V6A 1W2  
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO: **Norsemont Mining Corp.**

(Continued) ... page 4 ...

## CERTIFICATE OF ASSAY

No.: **7909-0464** DATE: **Sept. 21/79**

We hereby certify that the following are the results of assays on: **Soil samples**

MARKED	<del>xxxx</del>	<del>xxxx</del>	Molybdenum Mo (ppm)	<del>xxx</del>	<del>xxx</del>	SAMPLE MARKED:	Molybdenum Mo (ppm)
<u>L1+OOSE</u>						<u>L5+OOSE</u>	
34+75SW			2.50			34+25SW	2.50
34+50			15.85			34+50	1.20
34+25SW			31.26			34+75	2.50
						35+00	2.50
<u>L2+OOSE</u>						35+25	11.31
34+25SW			31.26			35+50	2.50
34+50			20.96			35+75	2.50
34+75			7.52			36+00SW	1.20
35+00			7.52				
35+25			5.00			<u>L6+OOSE</u>	
35+50			2.50			34+25SW	1.20
35+75			3.75			34+50	< 1.0
36+00SW			2.50			34+75	< 1.0
						35+00	< 1.0
<u>+OOSE</u>						35+25	< 1.0
36+00SW			2.50			35+50	< 1.0
35+75			5.00			35+75	< 1.0
35+50			1.27			36+00	1.20
35+25			1.27				
35+00			2.50			<u>L7+OOSE</u>	
34+75			1.20			34+25SW	< 1.0
34+50			1.20			34+50	18.15
34+25SW			1.20			34+75	< 1.0
						35+00	< 1.0
<u>L4+OOSE</u>						35+25	< 1.0
34+25SW			40.95			35+50	< 1.0
34+50			5.00			35+75	< 1.0
34+75			21.58			36+00SW	< 1.0
35+00			6.23				
35+25			18.87				
35+50			8.53				
35+75			15.67				
36+00SW			5.00				

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*R. Wadeau*  
**R. WADEAU, Chemist**

~~7909-0464~~

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1001 EAST PENDER ST. VANCOUVER, B.C. CANADA. V6A 1W2  
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:  
Norsemont Mining Corp.  
409 - 1199 West Pender Street  
Vancouver, B.C.  
V6E 2R1

## CERTIFICATE OF ASSAY

No.: 7907-1352      DATE: July 23/79

We hereby certify that the following are the results of assays on:      **soil samples**

MARKED	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	Molybdenum Mo (ppm)	<del>XXXX</del>	<del>XXXX</del>	SAMPLE MARKED:	Molybdenum Mo (ppm)
L2 SW			11.3			L4 SW - 1 + 75 SE	11.7
L2 SW - 0 + 50 SE			15.5			2 + 00 SE	20.0
0 + 75 SE			15.5			2 + 25 SE	22.7
1 + 00 SE			15.5			2 + 50 SE	14.9
1 + 25 SE			17.0			2 + 75 SE	13.7
1 + 50 SE			37.1			3 + 00 SE	11.2
1 + 75 SE			10.0			3 + 25 SE	7.5
2 + 00 SE			23.2			3 + 50 SE	3.7
0 + 25 NW			14.1			3 + 75 SE	3.7
0 + 50 NW			14.1			4 + 00 SE	3.7
0 + 75 NW			7.4			0 + 25 NW	16.2
L2 SW - 1 + 00 NW			11.3			0 + 50 NW	17.4
						0 + 75 NW	21.3
L3 SW			11.3			1 + 00 NW	8.8
L3 SW - 0 + 25 SE			14.1			1 + 25 NW	8.8
0 + 50 SE			11.3			L4 SW - 1 + 50 NW	29.8
0 + 75 SE			5.9				
1 + 00 SE			27.0			L5 SW	22.7
1 + 25 SE			29.4			L5 SW - 0 + 25 SE	13.7
1 + 50 SE			11.7			0 + 50 SE	20.0
1 + 75 SE			10.0			0 + 75 SE	15.7
2 + 00 SE			5.0			1 + 00 SE	28.3
2 + 25 SE			8.4			1 + 25 SE	17.3
2 + 50 SE			8.4			1 + 50 SE	5.0
2 + 75 SE			4.3			1 + 75 SE	2.0
3 + 00 SE			3.9			2 + 00 SE	2.0
0 + 25 NW			4.3			2 + 50 SE	7.6
0 + 50 NW			5.9			2 + 75 SE	14.0
0 + 75 NW			3.9			3 + 00 SE	21.2
L3 SW - 1 + 00 NW			7.1			3 + 25 SE	66.6
						3 + 50 SE	20.0
L4 SW			51.0			3 + 75 SE	2.0
L4 SW - 0 + 25 SE			52.1			4 + 00 SE	5.0
0 + 50 SE			27.1			0 + 25 NW	29.6
0 + 75 SE			53.2			0 + 50 NW	15.7
1 + 00 SE			37.6			0 + 75 NW	27.1
1 + 25 SE			31.8			L5 SW - 1 + 00 NW	17.3
L4 SW - 1 + 50 SE			24.7				

Continued ....

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*R. Nadeau*  
**R. Nadeau, Chemist**

~~XXXXXXXXXX~~

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Norsemont Mining Corp.

(Continued) ... page 2 .....

## CERTIFICATE OF ASSAY

No.: 7907-1352      DATE: July 23/79

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MARKED	<del>GOLD</del>	<del>SILVER</del>	Molybdenum	xxx	xxx	SAMPLE	MARKED:	Molybdenum
			Mo (ppm)					Mo (ppm)
L5 SW - 1 + 25 NW			10.0			L7 SW -	1 + 50 SE	5.0
1 + 50 NW			25.9			1 + 75 SE	12.7	
1 + 75 NW			4.1			2 + 00 SE	10.0	
L5 SW - 2 + 00 NW			6.0			2 + 25 SE	3.9	
L6 SW			12.0			2 + 50 SE	7.4	
L6 SW - 0 + 25 SE			12.0			2 + 75 SE	12.7	
0 + 50 SE			18.0			3 + 00 SE	3.9	
0 + 75 SE			27.8			3 + 25 SE	6.2	
1 + 00 SE			18.0			3 + 50 SE	3.9	
1 + 25 SE			22.0			3 + 75 SE	3.9	
1 + 50 SE			12.0			4 + 00 SE	12.7	
1 + 75 SE			31.5			0 + 25 NW	18.5	
2 + 00 SE			6.0			0 + 50 NW	18.5	
2 + 25 SE			4.1			0 + 75 NW	14.1	
2 + 50 SE			6.0			1 + 00 NW	14.1	
2 + 75 SE			10.0			1 + 25 NW	20.0	
3 + 00 SE			14.0			1 + 50 NW	12.7	
3 + 25 SE			22.0			1 + 75 NW	8.7	
3 + 50 SE			20.0			L7 SW - 2 + 00 NW	18.0	
3 + 75 SE			10.0			L8 SW	100.0	
4 + 00 SE			16.0			L8 SW - 0 + 25 SE	23.9	
0 + 25 NW			8.0			0 + 50 SE	12.0	
0 + 50 NW			20.0			0 + 75 SE	29.7	
0 + 75 NW			18.5			1 + 00 SE	29.7	
1 + 00 NW			10.0			1 + 25 SE	46.4	
1 + 25 NW			23.0			1 + 50 SE	27.8	
1 + 50 NW			10.0			1 + 75 SE	12.0	
1 + 75 NW			5.0			2 + 00 SE	12.0	
L6 SW - 2 + 00 NW			3.9			2 + 25 SE	12.0	
L7 SW			11.4			2 + 50 SE	25.9	
L7 SW - 0 + 25 SE			5.0			2 + 75 SE	22.0	
0 + 50 SE			18.5			3 + 00 SE	31.6	
0 + 75 SE			12.7			3 + 25 SE	20.0	
1 + 00 SE			7.4			3 + 50 SE	37.2	
L7 SW - 1 + 25 SE			34.8			L8 SW - 3 + 75 SE	8.0	

/ Continued on page 3 .....

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*R. Nadeau*  
**R. Nadeau, Chemist**

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TO: Norsemont Mining Corp.

(Continued) ... page 3 ....

## CERTIFICATE OF ASSAY

No.: 7907-1352      DATE: July 23, 1979

We hereby certify that the following are the results of assays on:

### Soil samples

MARKED	<del>XXXXXXXXXXXX</del>	Molybdenum	<del>XXX</del>	<del>XXX</del>	SAMPLE MARKED :	Molybdenum
		Mo (ppm)				Mo (ppm)
L8 SW - 4 + 00 SE		5.9			L10+50SW - 0+25 NW	7.1
4 + 25 SE		44.6			0+50 NW	43.8
4 + 50 SE		20.0			0+75 NW	17.8
4 + 75 SE		12.0			1+00 NW	29.4
5 + 00 SE		16.0			1+25 NW	4.3
0 + 25 NW		29.7			1+50 NW	7.7
0 + 50 NW		33.5			1+75 NW	17.0
0 + 75 NW		61.8			2+00 NW	7.7
1 + 00 NW		34.8			2+25 NW	8.4
1 + 25 NW		20.0			2+50 NW	7.7
1 + 50 NW		32.1			2+75 NW	34.2
1 + 75 NW		103.0			3+00 NW	5.9
2 + 00 NW		18.4			3+25 NW	5.9
2 + 25 NW		30.7			3+50 NW	5.0
2 + 50 NW		15.1			3+75 NW	7.1
2 + 75 NW		6.7			L10+50SW - 4+00 NW	11.7
3 + 00 NW		13.4			L11 SW - 0+25 NW	34.2
3 + 25 NW		8.3			0+50 NW	22.3
3 + 50 NW		1.8			0+75 NW	44.8
3 + 75 NW		5.0			1+00 NW	36.5
L8 SW - 4 + 00 NW		6.7			1+25 NW	17.0
L9+00 SW 0 + 25 NW		11.7			1+50 NW	8.4
L9 SW - 0 + 50 NW		8.3			1+75 NW	3.4
0 + 75 NW		26.3			2+00 NW	1.2
1 + 00 NW		29.3			2+25 NW	30.4
1 + 25 NW		36.1			2+50 NW	5.7
1 + 50 NW		33.5			2+75 NW	7.9
1 + 75 NW		36.5			3+00 NW	12.1
2 + 00 NW		11.7			3+25 NW	3.4
2 + 25 NW		40.8			3+50 NW	1.2
2 + 50 NW		17.8			3+75 NW	1.2
2 + 75 NW		8.4			4+00 NW	1.2
3 + 00 NW		5.0			BL L11 SW	1.2
3 + 25 NW		11.7			BL 11+25 SW	3.4
3 + 50 NW		5.0			BL 11+50 SW	2.4
3 + 75 NW		4.3			BL 11+75 SW	1.2
L9 SW - 4 + 00 NW		5.0			BL +12+00 SW	2.4
					* L5 SW - 2 + 25 SE	2.0

*R. Naudeau*  
**R. NADEAU, Chemist**

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NORSEMONT MINING CORPORATION

1979 Expenses - Moly Claims, Clearwater, B. C.

Percussion Drilling \$ 18,016.91

Cat Work 25,588.58

Assaying 3,233.42

On Site Labour:

<u>Name</u>	<u>No. of days</u>	<u>Dates</u>	<u>Daily rate</u>	<u>Monthly rate</u>	<u>Total</u>	
Jack McDonald	23	August	-	1,520.00	1,520.00	
Jerry Mills	9	Sept. 6 - 15	65.00		585.00	
	12	Sept. 16 - 30	65.00		780.00	
	10	Oct. 4 - 15	65.00		650.00	
	13	Oct. 16 - 31	65.00		845.00	
K. Pettersen		June 15-July 15		1,000.00		
		July 16-Aug. 15		1,000.00		
		Aug. 16-Sept. 15		1,000.00		
		Sept. 16-Oct. 15		1,000.00		
		Oct. 16-Nov. 15		1,000.00		
		Nov. 16-Dec. 15		1,000.00	6,000.00	
	142	Aug. 1-Dec. 20	50.00		<u>7,100.00</u>	17,480.00

Livgard Consulting Ltd.  
(Engineering) 8,000.00

Camp and Groceries From June 15th to December 15th, 1979 8,991.22

Blasting , Dynamite 2,593.35

\$ 83,903.48

*E. J. ...*

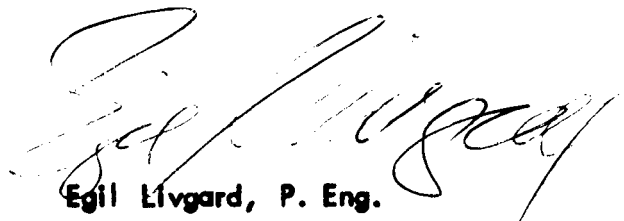
ROADS

4.4 km of roads were constructed as access roads to drill sites and trenches. The roads were built partly by D8 caterpillar tractor and partly by D9 caterpillar tractor. The roadwork was difficult due to insufficient overburden in some hillsides. The roads are approximately 4 meters wide and passable to 4 wheel drive vehicles.

500 m	road is on	KM #3	Claim	
500 m	" "	"	KM #2	Claim
400 m	" "	"	KM #1	Claim
3,000 m	" "	"	Moly	Claim
<hr/>				
4,400 m	Total			

Total cost of cat work	\$ 25,588.58
Trenching	7,000.00
	<hr/>
Total Roadwork	<u>\$ 18,588.58</u>

\$4.00 per meter

  
Egil Livgard, P. Eng.



SOIL SURVEY

15,000 M Line

Samples at 25 M Spacing

Grid and Sampling 15 days

2 men - wages:  $(\$100 + 80) \times 15$  \$ 2,700.00

Camp, Groceries, Vehicles,  $\$65.00 \times 15$  975.00

Assaying 1,200.00

Supervision, maps and reports 2,000.00

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\$ 6,875.00

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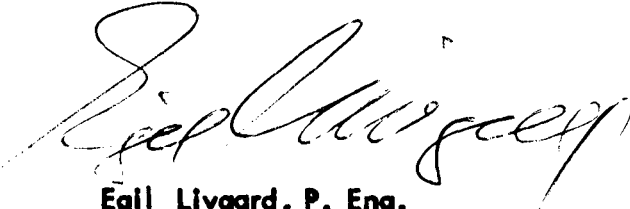
\$458.00 per kilometer



Egil Livgard, P. Eng.

NOT FILING

Cat Trenching	\$ 7,000.00
Rock Trenching (Approximately)	20,000.00
	<hr/>
	\$ 27,000.00



Egil Livgard, P. Eng.



AROUND GROUP

KD #1	1974	- 4	Units
KM #1	1809	14	Units
KM #4	1812	<u>16</u>	<u>Units</u>
		34	Units

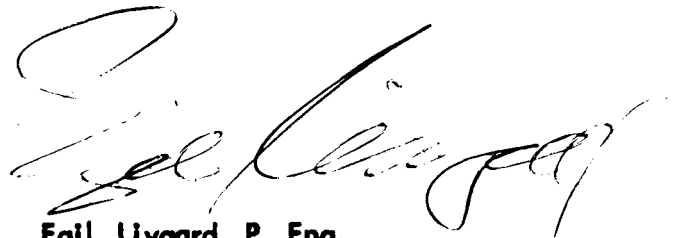
Road KM #1    400 m x \$4.00                      \$    1,600.00

Soil Survey

    KM #4    2.6 km x \$458.00                      1,190.00

    KD #1    3.0 km x \$458.00                      1,374.00

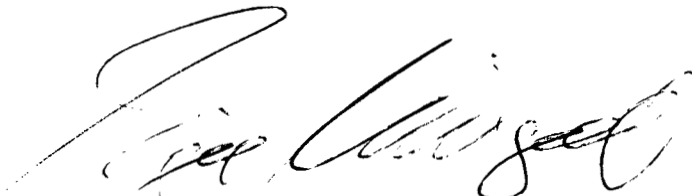
\$    4,164.00



Egil Livgard, P. Eng.

CLAIM KM #2 - 12 UNITS

Road work	500 m x \$4.00	\$ 2,000.00
Soil Survey	0.2 km x \$458.00	91.60
		<hr/>
		\$ 2,091.60
		<hr/> <hr/>



Egil Livgard, P. Eng.



## General Testing Laboratories

Division of:  
Superintendence Company (Canada) Ltd.

1001 East Pender Street  
Vancouver, B.C. V6A 1W2  
Telephone: (604) 254-1647  
Cable: Supervise  
Telex: 04-507514

March 12, 1980

Your ref.:

Our ref.:

MR. E. LIVGARD  
1990 King Albert  
Coquitlam, B.C.  
V3J 1Z2

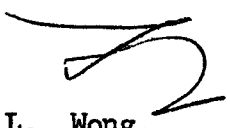
Dear Mr. Livgard,

Referring to our telephone conversation yesterday, I am providing a synopsis of the geochem method which we presently used to determine molybdenum at our laboratory:

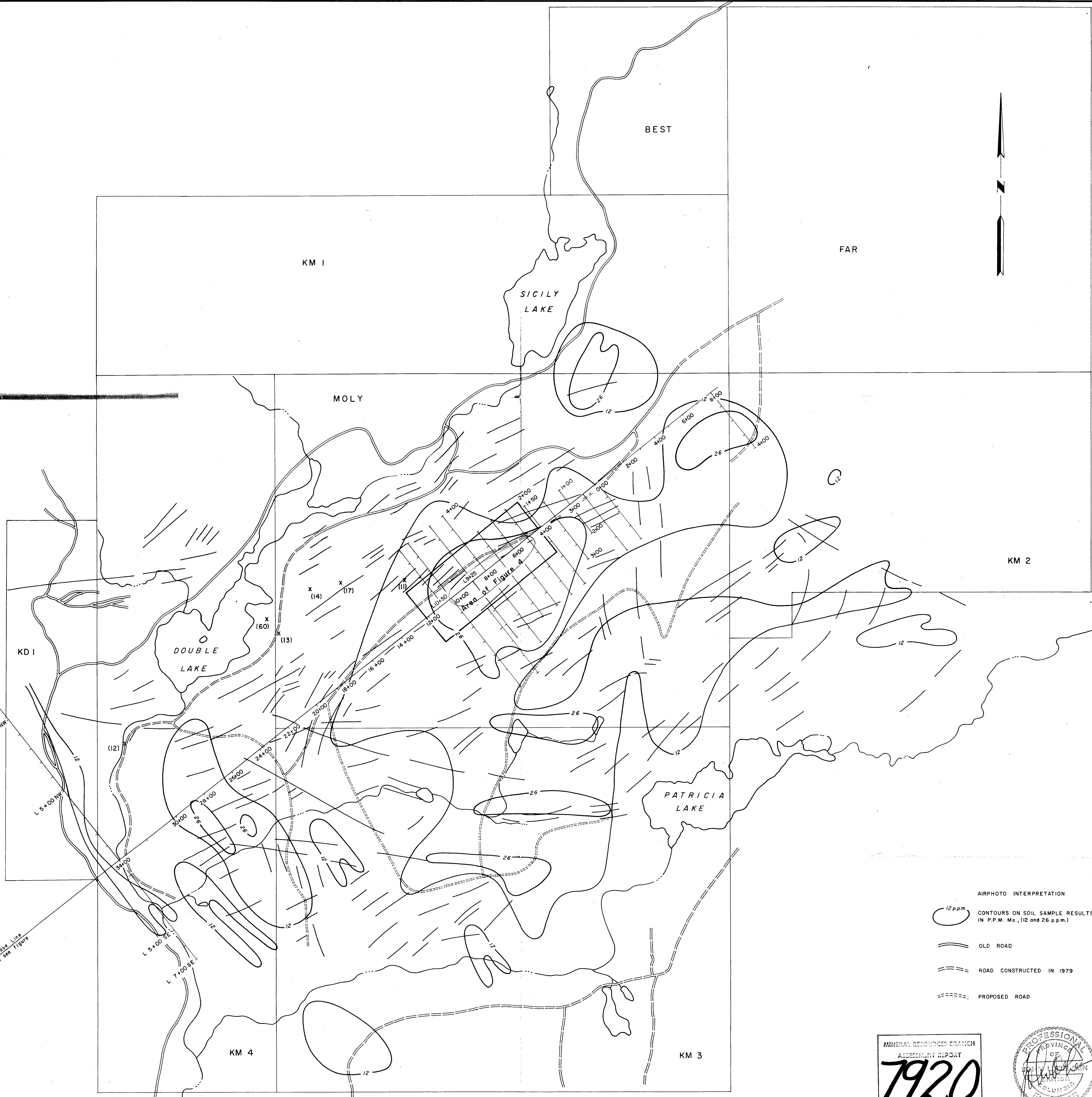
2 gm. sample into 50 ml beaker; add 10 ml  $\text{HNO}_3$ , 5 HCl, and 10  $\text{HClO}_4$  acids to beaker. Heat sample to perchloric fumes, remove from hot plate, add Al-HCl reagent to sample and heat to dissolve sample. Cool, dilute sample to 20 ml volume and mix. Let settle, determine Mo sample by atomic absorption spectrophotometry.

We believe the above general information will be sufficient for your need. We are pleased to be of service to you.

Yours truly,  
GENERAL TESTING LABORATORIES  
A Division of SGS SUPERVISION SERVICES INC.



L. Wong,  
Chief Assayer.



L 13400 NW  
L 10400 NW  
L 5400 NW

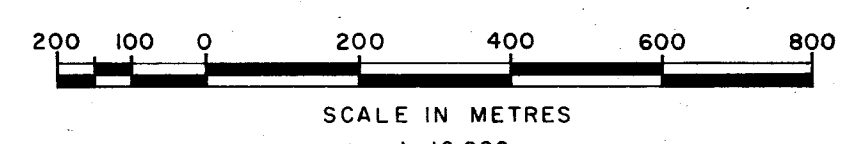
L 500 SE  
L 7100 SE

- AIRPHOTO INTERPRETATION
- 12 p.p.m. CONTOURS ON SOIL SAMPLE RESULTS IN P.P.M. Mo., (12 and 26 p.p.m.)
  - OLD ROAD
  - ROAD CONSTRUCTED IN 1979
  - PROPOSED ROAD

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7920**



NORSEMONT MINING CORPORATION  
MOLY CLAIMS  
PHOTO INTERPRETATION OF LINEARS  
AND GEOCHEMICAL SURVEY GRID



CLEARWATER, BRITISH COLUMBIA

NOTE:  
Compilation of geochemical surveys  
and photolines  
by E. Livgard P. Eng.  
x Ag - Silt samples +11 p.p.m.  
(Location approximate) AMOCO

ASSAY TABLE

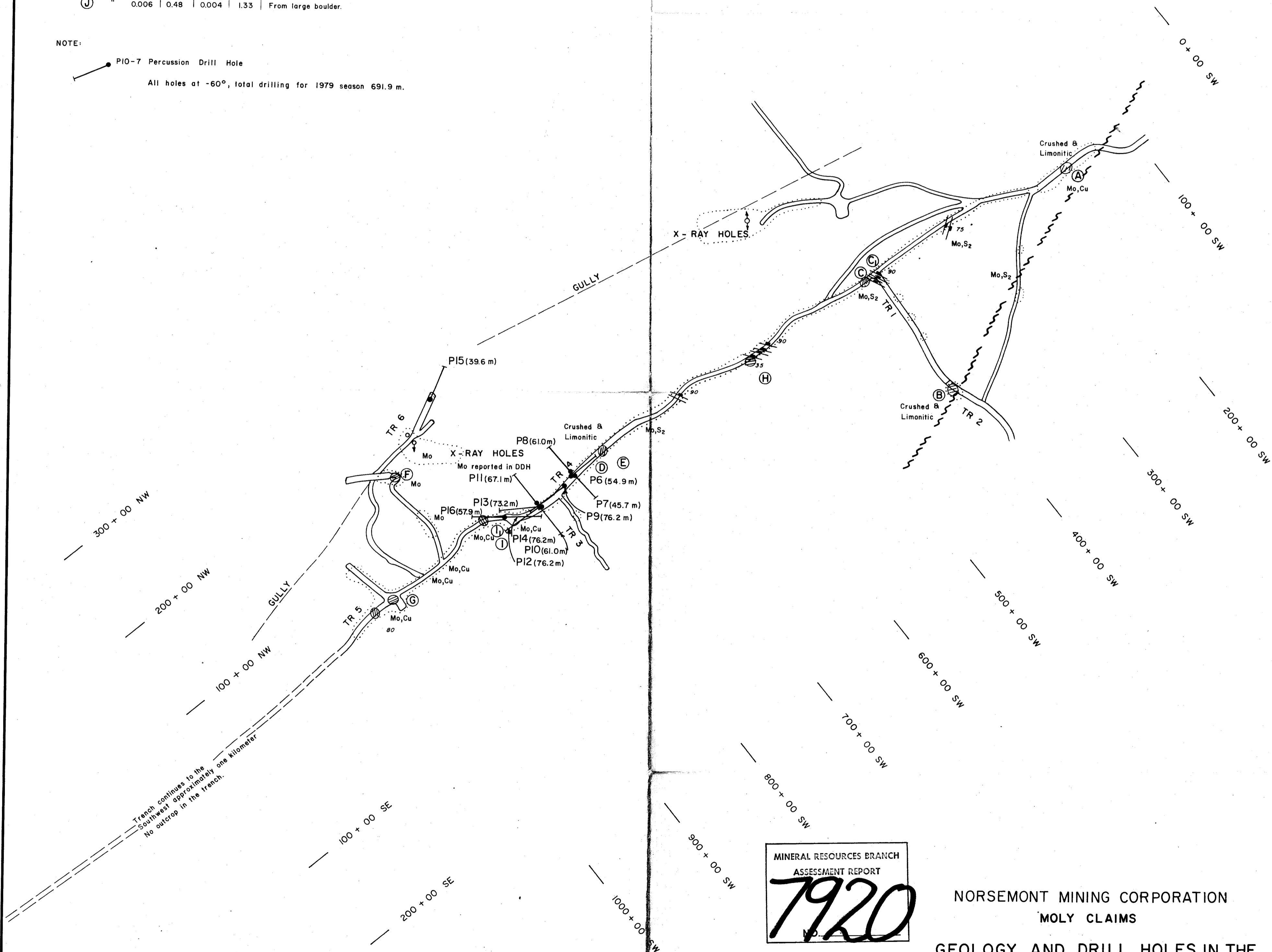
Sample	Mo	Cu	Au	Ag	Description
(A) Grab	0.049	0.100	0.002	0.20	Oxidized intrusive
(B) "	0.002	0.010	0.002	0.10	" "
(C) "	0.240	0.01	0.002	Tr.	Fresh intrusive
(D) "	0.140	0.002	0.002	Tr.	" "
(E) "	0.007	0.010	0.002	0.05	Crushed & oxidized intrusive 2 meters below surface.
(F) "	0.004	0.010	0.006	0.05	" " " 4 " " "
(G) "	0.039	0.003	0.004	Tr.	Fresh intrusive
(H) "	0.024	0.020	0.002	Tr.	" "
(I) "	0.001	0.020	0.018	0.20	Limonitic intrusive
(J) "	0.090	0.84	0.002	0.21	Fresh intrusive
(K) "	0.061	0.02	0.002	Tr.	" "
(L) "	0.006	0.48	0.004	1.33	From large boulder.

LEGEND

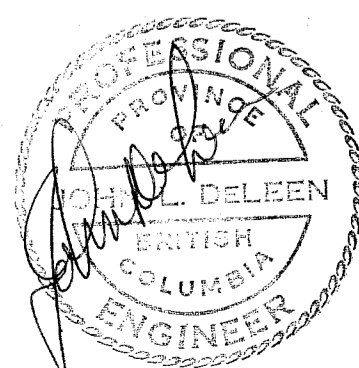
- (A) ⊕ SAMPLE LOCATION
- ⊖ PEGMATITIC QUARTZ MONZONITE EXPOSED IN TRENCH OR ROAD
- ⋯ FAULT
- TRENCH OR TRACTOR ROAD CONSTRUCTED IN 1979
- ↘ FRACTURE



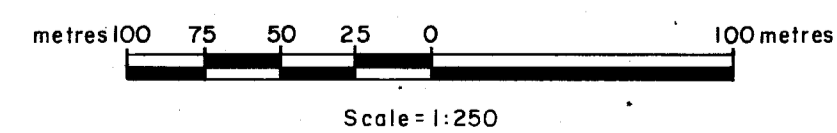
NOTE:  
 P10-7 Percussion Drill Hole  
 All holes at -60°, total drilling for 1979 season 691.9 m.



MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**7920**

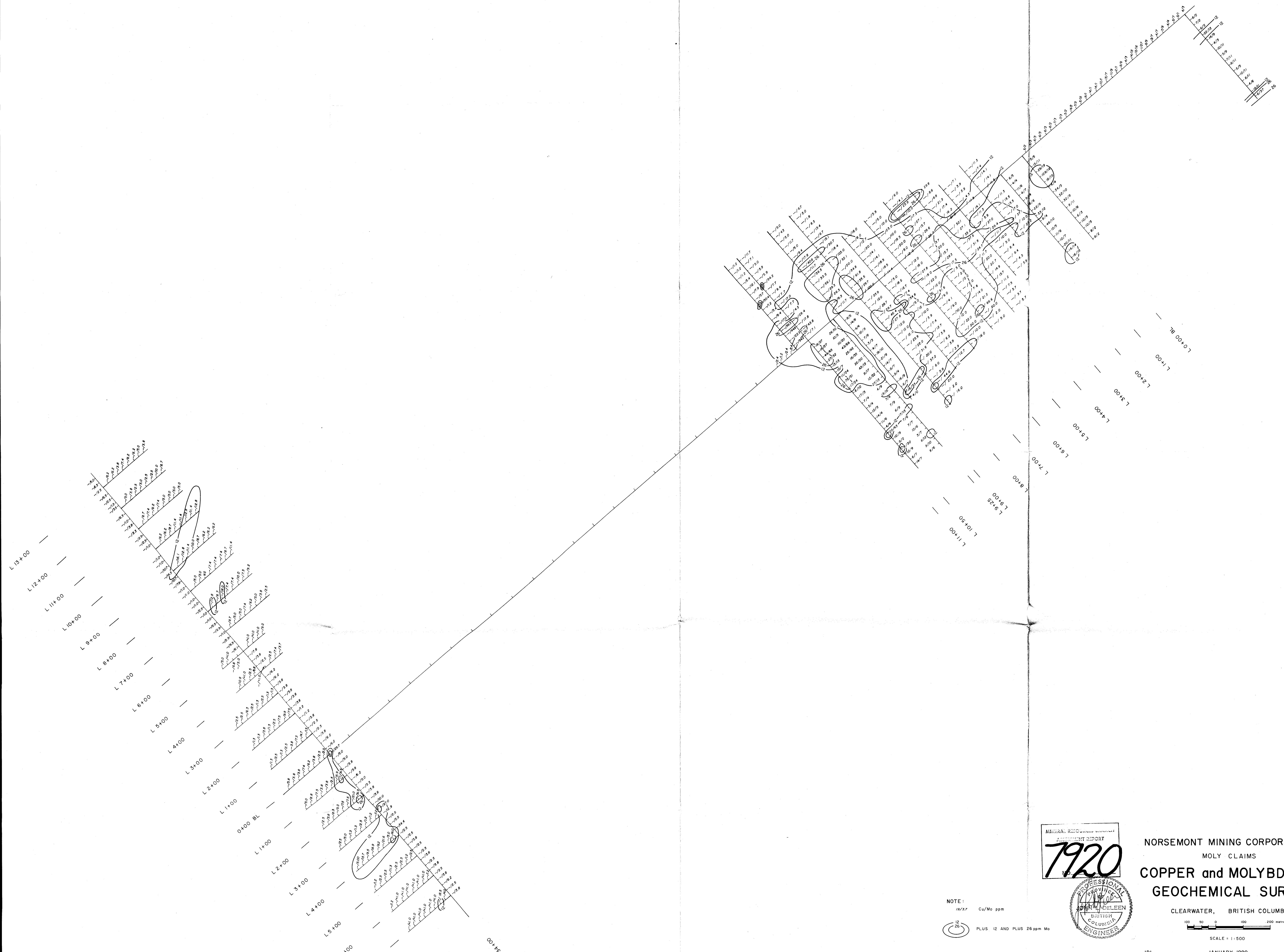


NORSEMONT MINING CORPORATION  
 MOLY CLAIMS  
 GEOLOGY AND DRILL HOLES IN THE  
 TRENCH AREA



CLEARWATER, BRITISH COLUMBIA





L 15+00  
L 12+00  
L 11+00  
L 10+00  
L 9+00  
L 8+00  
L 7+00  
L 6+00  
L 5+00  
L 4+00  
L 3+00  
L 2+00  
L 1+00  
0+00 BL  
L 1+00  
L 2+00  
L 3+00  
L 4+00  
L 5+00  
6+00

NOTE:  
12/27 Cu/Mo ppm  
12 26 PLUS 12 AND PLUS 26 ppm Mo

MINERAL RESOURCES CONSULTANTS  
ASSESSMENT REPORT  
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NORSEMONT MINING CORPORATION  
MOLY CLAIMS  
**COPPER and MOLYBDENUM  
GEOCHEMICAL SURVEY**

CLEARWATER, BRITISH COLUMBIA



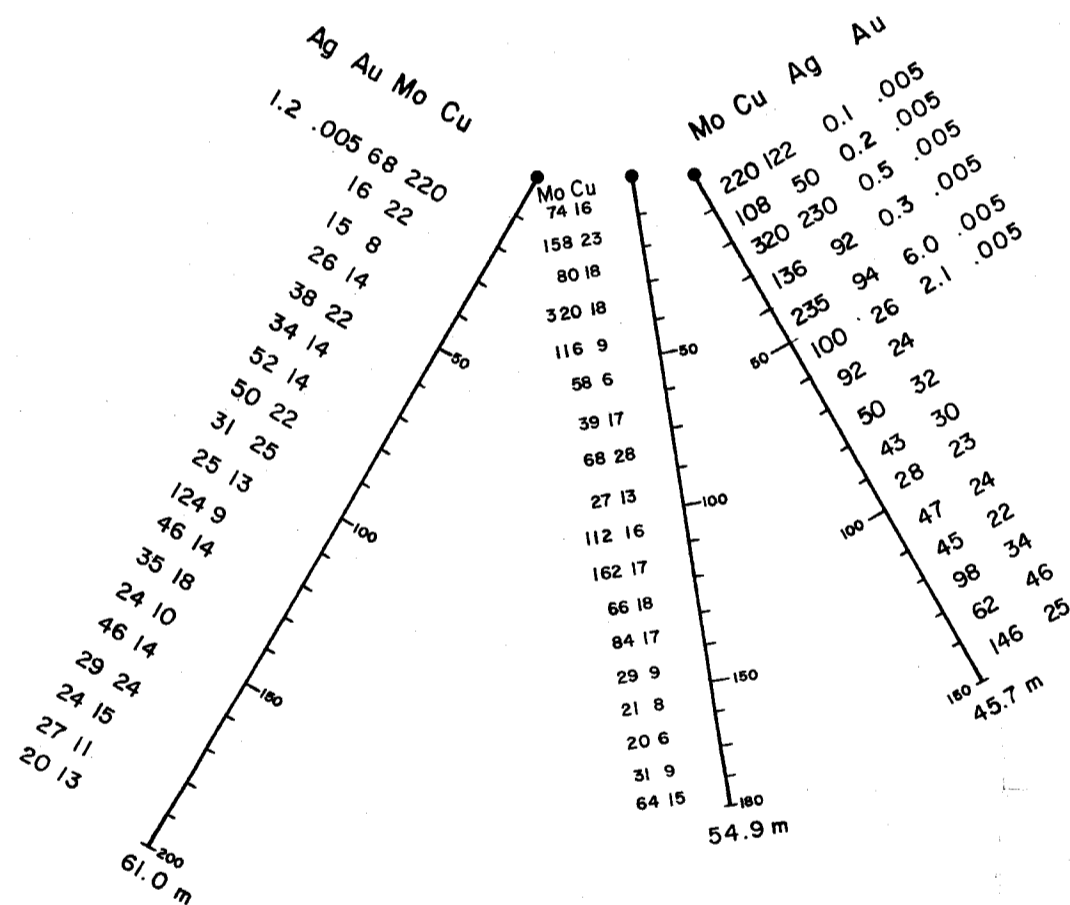
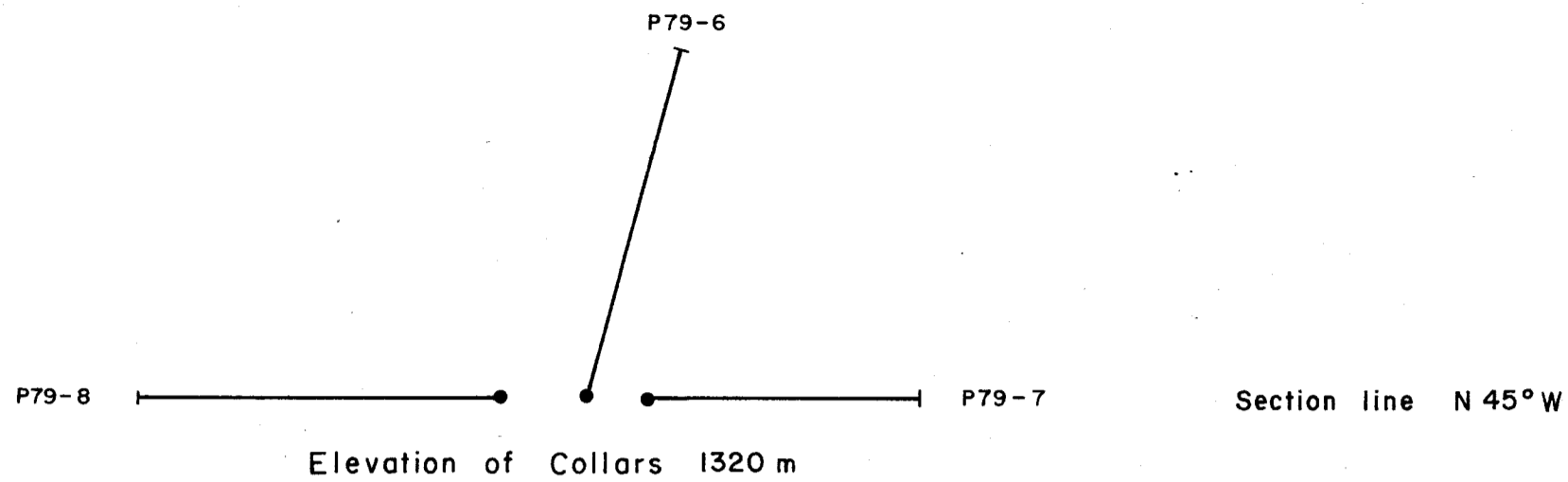
SCALE = 1:500

JDL JANUARY, 1980

FIGURE 7

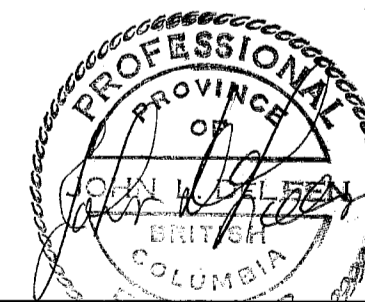
004-1E 7

004-1E 7



— all assays in ppm  
Looking Northeast

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7920**



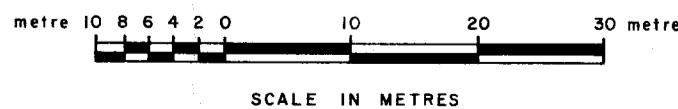
NORSEMONT MINING CORPORATION

MOLY CLAIMS, CLEARWATER, B.C.

PERCUSSION  
HOLES

P79-6, P79-7, P79-8

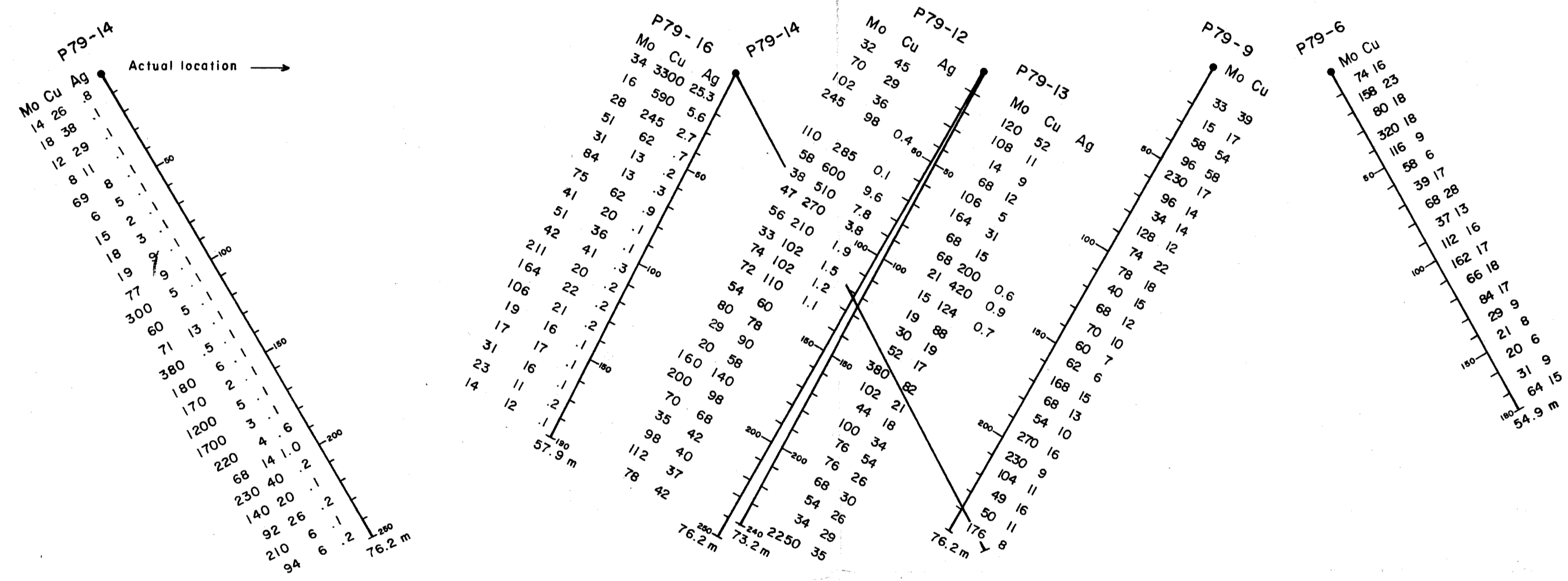
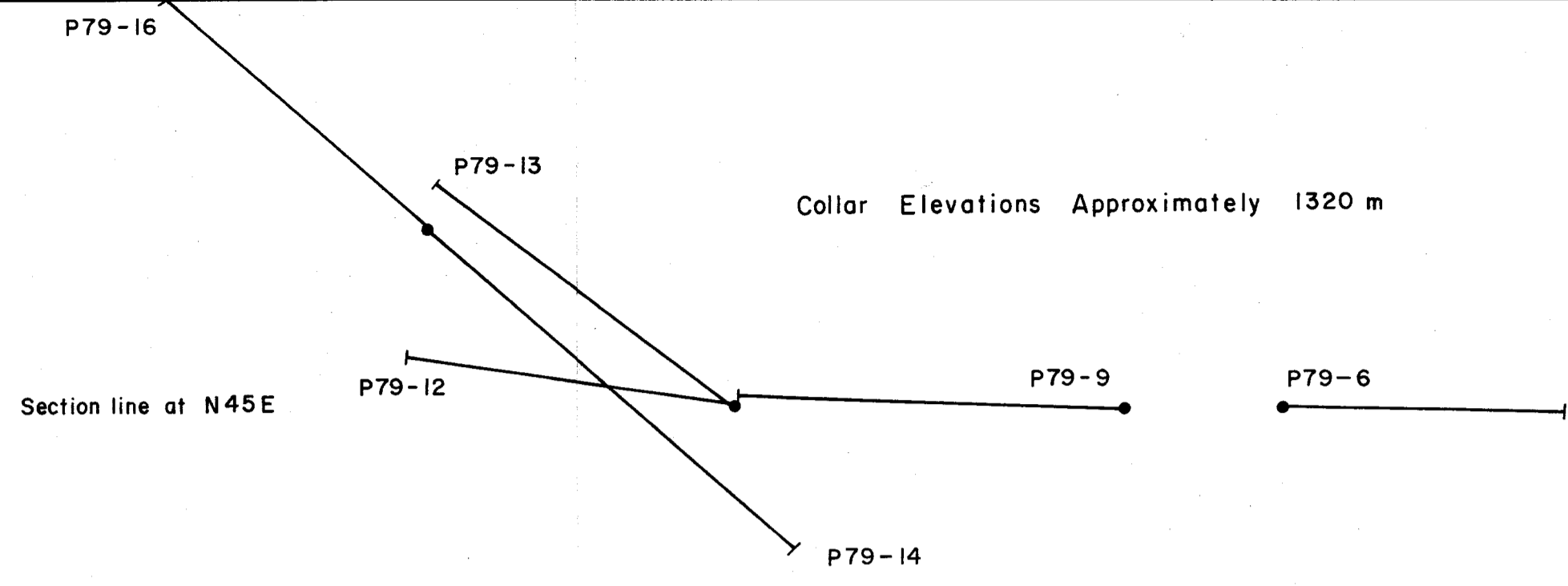
1 PPM Ag = 0.029 oz/short ton



SCALE = 1:600

JANUARY, 1980

FIGURE 8



All assays in PPM  
 Cu 3300 PPM = 0.33%  
 Ag 25.3 PPM = 0.74 oz/T  
 Mo 34 PPM = 0.0034%

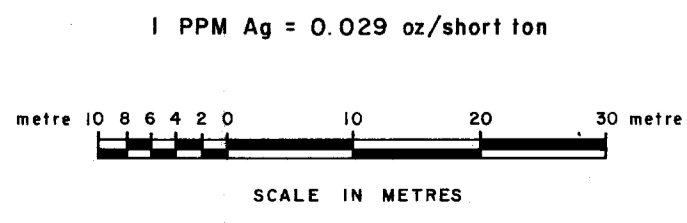


MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**7920**

NORSEMONT MINING CORPORATION

MOLY CLAIMS, CLEARWATER, B.C.  
 PERCUSSION HOLES -  
 P79-6, P79-9, P79-12, P79-13  
 P79-14 and P79-16

Looking Northwest

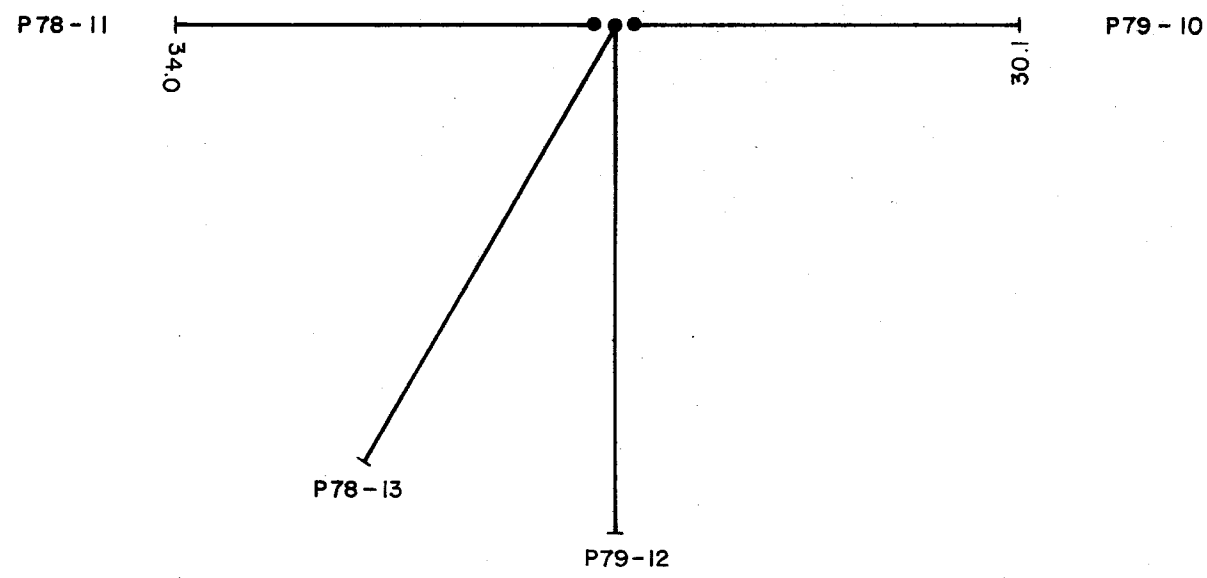


SCALE = 1 : 600

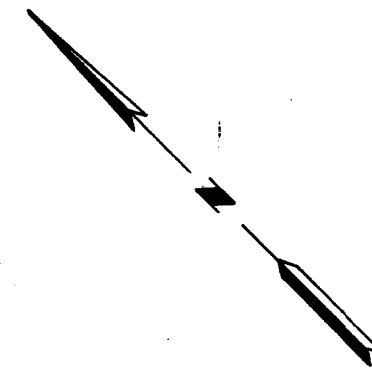
JANUARY, 1980

FIGURE 9

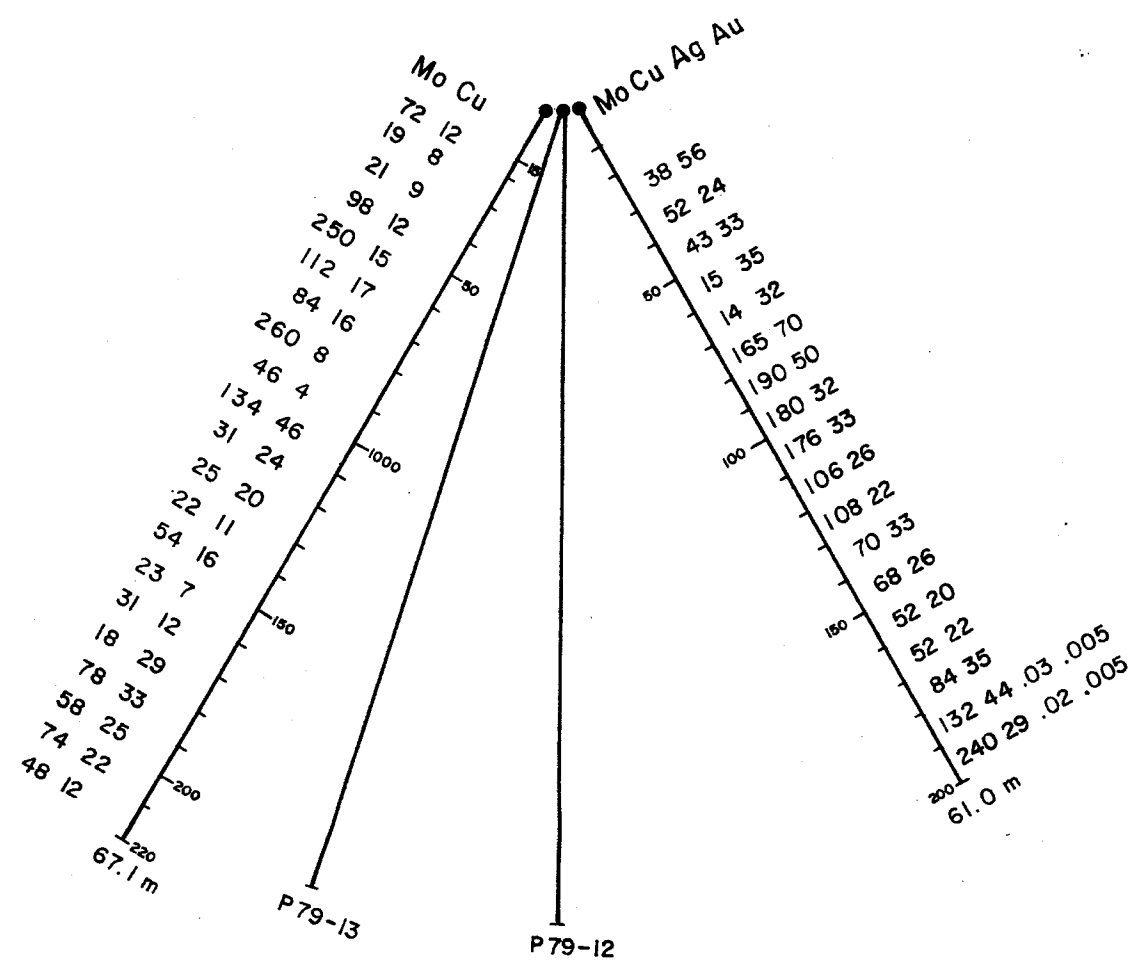
Elevation of Collars 1320 m



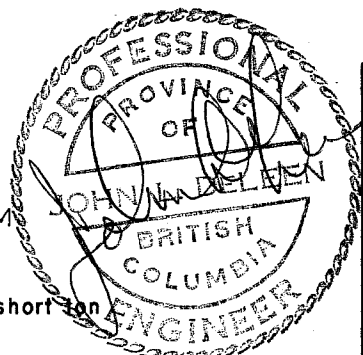
Section line N 45°W



Looking Northeast

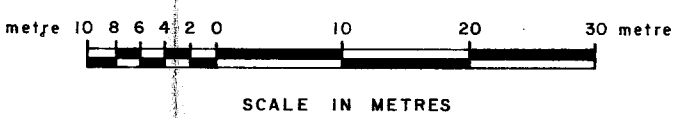


MINERAL REVENUE BRANCH  
 Assessment  
**7920**  
 No.



ASSAYS IN PPM

1 PPM Ag = 0.029 oz/short ton

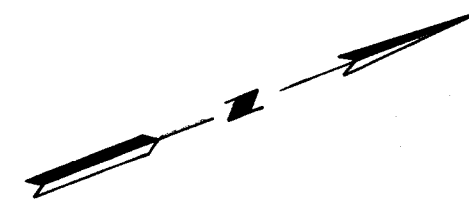


NORSEMONT MINING CORPORATION		
MOLY CLAIMS, CLEARWATER, B.C.		
PERCUSSION HOLES P79-10, P79-11		
SCALE = 1 : 600	JANUARY, 1980	FIGURE 10

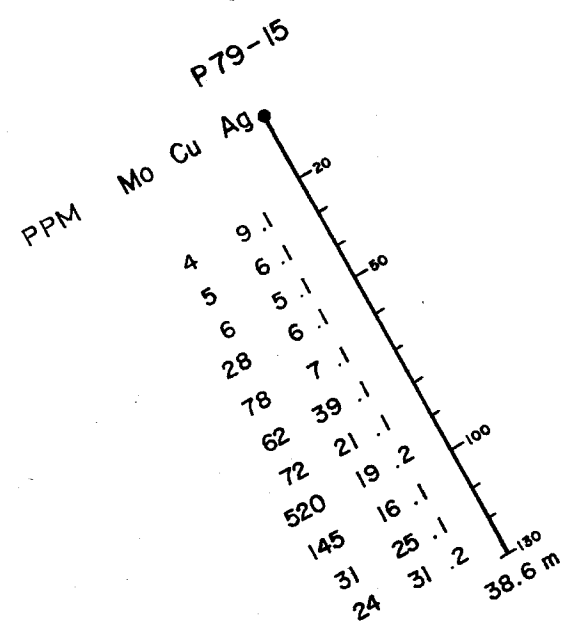
P79-15



Section N21E

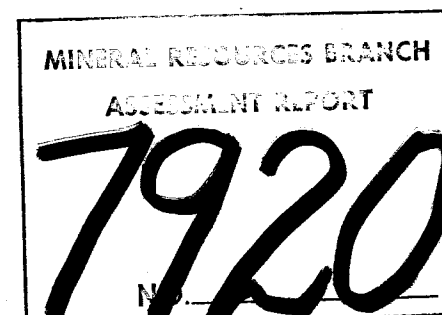
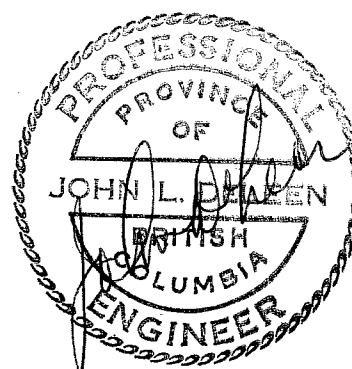


Bearing of Hole N21E, Elevation of Collar Approximately 1325 m



Mo 520 PPM = 0.052 %  
 Cu 39 PPM = 0.0039%  
 Ag 0.2 PPM = 0.058 oz/T

Section Looking Northwest

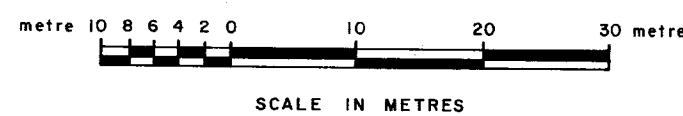


NORSEMONT MINING CORPORATION

MOLY CLAIMS, CLEARWATER, B.C.

PERCUSSION  
HOLE  
P79-15

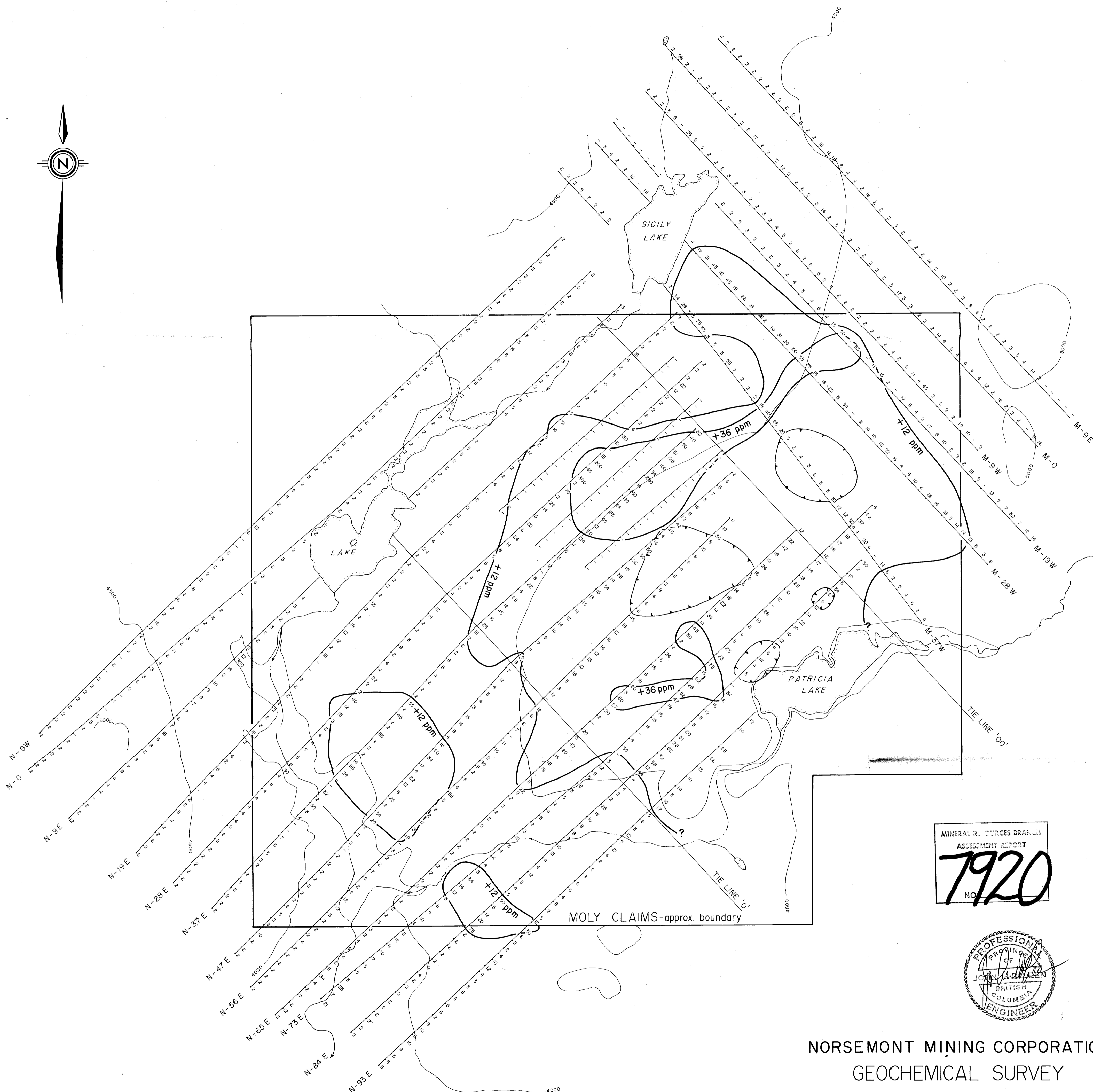
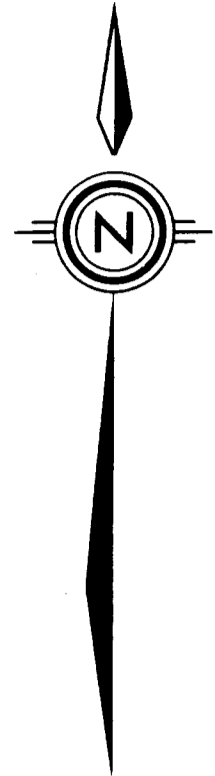
1 PPM Ag = 0.029 oz/short ton



SCALE = 1 : 600

JANUARY, 1980

FIGURE II



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7920**  
NO.



NORSEMONT MINING CORPORATION  
GEOCHEMICAL SURVEY  
MOLYBDENUM IN PPM.

(AFTER NORANDA EXPLORATIONS)

SCALE  
1 : 13,640