

6416

GEOLOGICAL AND GEOCHEMICAL REPORT

on the

LOMOND CLAIM GROUP

Nelson Mining Division

82 F 3 W

40° 0' N, 117° 19' W

by

Robert G. Potter, MAsc. P. Eng.

Vancouver, B.C.

September 19, 1977

<p>MINERAL RESOURCES BRANCH ASSESSMENT REPORT</p> <p>NO. _____</p>
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## SUMMARY

The Lomond property, located in the Salmo area of B.C. is underlain by dolomites and limestones of the Nelway Formation (Cambrian).

Showings on the property consist of limonitic masses which are generally concordant with black to grey dolomite host rocks. Remnant nodules galena are reported.

Significant mineralization in the Salmo and Metaline (Washington) district includes sphalerite/galena and pyrite/sphalerite/galena ores. The high iron content of the Lomond showings and their probable stratigraphic level indicates that the original sulphide masses are of the pyrite/sphalerite/galena type.

Analyses of soils collected over part of the property show areas of anomalously high lead and zinc which reflect both areas of known mineralization and possible extensions of these.

## INTRODUCTION

During the period September 1 to 5, 1977, Merv Engineering Ltd. carried out a program of geological mapping and soil sampling on the Lomond claim group.

The writer carried out the geological mapping and supervised the geochemical program.

This report is based on observations on the property and on a study of available literature of the Salmo and Metaline lead-zinc areas.

## LOCATION AND ACCESS

The Lomond property is located 1 km west of the border crossing point of Nelway in the Nelson Mining Division of B.C. Co-ordinates are  $49^{\circ} 0' N$ ,  $117^{\circ} 19' W$ ; NTS reference 82F3W.

Access is by highway number 3 via Trail and Salmo and by highway number 6 about 28 km south from Salmo to Nelway. The Nelway-Waneta road passes through the southern part of the property between km 1 and 3 west of Nelway.

Several old logging trails on the property require only minor repair to provide good access within the claim group.

PROPERTY

The subject property comprises a contiguous block of 15 full sized and fractional reverted crown-grant mineral claims. The ground is currently held by J.W. MacLeod of #333-885 Dunsmuir St., Vancouver, B.C. (FMC #143081).

Figure 2 shows the claim layout and the area surveyed as per this report.

Details of the claims are as follows:

<u>NAME</u>	<u>LOT NO.</u>	<u>ACREAGE</u>	<u>RECORD DATE</u>
Hastings	6598	51.65	October 1, 1976
Glasgow	6599	38.09	"
Salmo	6600	51.65	"
Pioneer	6601	51.65	"
Lake View	6602	40.12	"
Medol	6603	49.91	"
Renfrew	6604	51.65	"
Golden Rod	6605	23.20	"
International	6606	11.84	"
Golden Fleece	6607	23.73	"
Pioneer No. 1 Fr.	6608	8.16	"
Renfrew No. 1	6609	40.24	"
International No. 1	6610	36.99	"
Glasgow No. 1 Fr.	6611	12.05	"
Salmo No. 1 Fr.	6612	15.71	"

## HISTORY

Sporadic prospecting was carried out on the ground covered by the Lomond claims between 1908 and 1929.

Sheep Creek Gold Mines Ltd. held an option on the property during 1946 and 1947. A reported 816 ft. of diamond drilling was done at this time but results were negative.

During the period 1948 to 1950 the deposits were worked under lease. Shipments of iron oxides were made to Lehigh Cement Works of Metaline Falls, Washington totaling 7292 tons. About 19 tons of selected galena rich nodules were also shipped to Trail. Estimated grades of this material are 25% Pb, 2.4% Zn, and 2 oz. Ag per ton.

International Lead and Zinc Mines Ltd. acquired the property in 1951. A geological study was carried out in 1952.

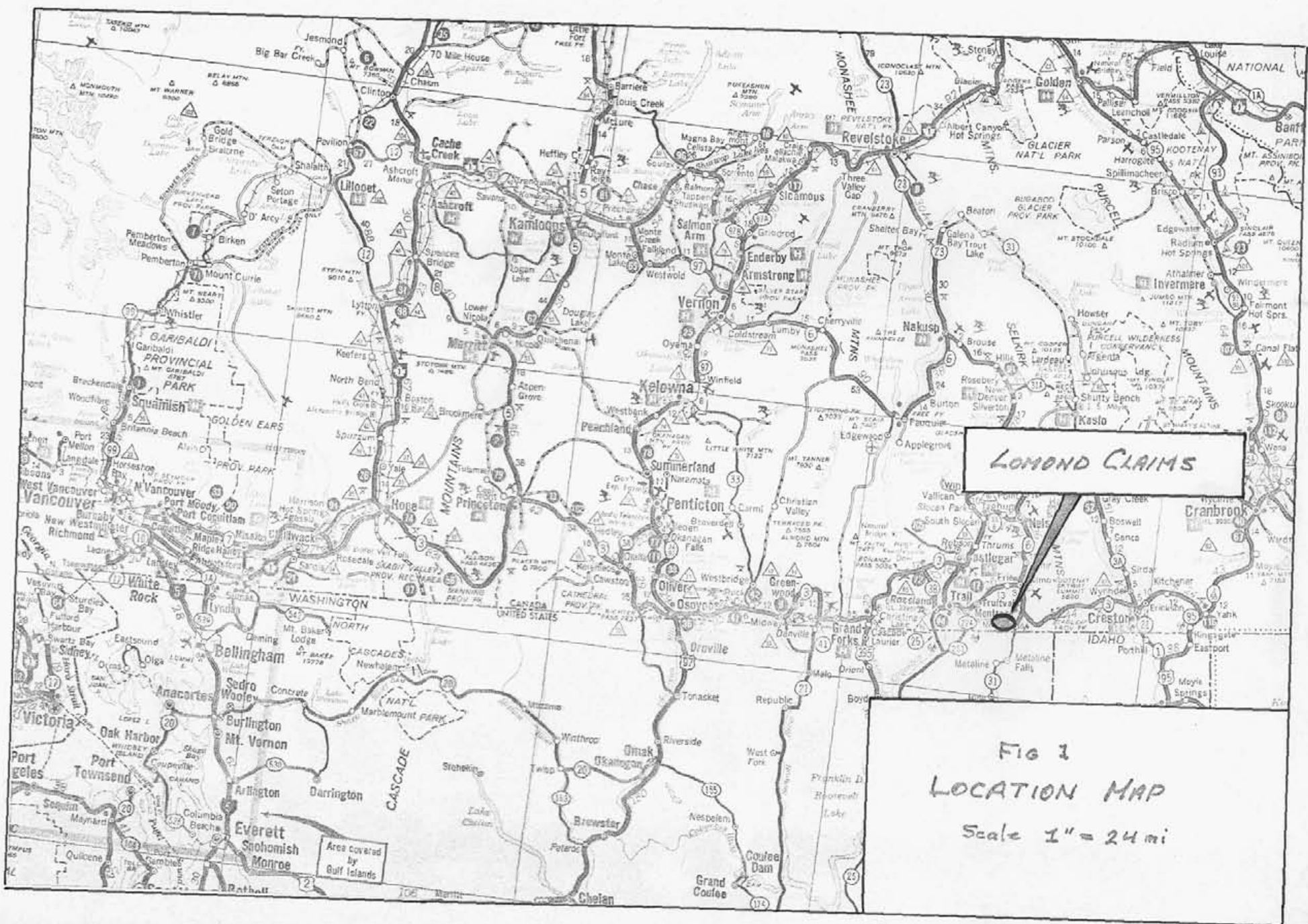
No further activity to the present is reported.

### GEOLOGICAL SETTING

The Lomond Property lies within the Salmo Lead-Zinc area. The Salmo area is located at the southern end of the Kootenay arc, a structural belt which extends from Revelstoke through Salmo to north-eastern Washington state. The Kootenay arc comprises early Palaeozoic sediments of which limestones and dolomites of Cambrian age are the most important economically.

Table I shows columnar sections of Ordovician and Cambrian rocks for the Salmo and Metaline (Washington) areas. Lead zinc mineralization in the Salmo area is notably concentrated in the Reeves member of the Laib Formation (eg Reeves Mac Donald, H.B., Jersey and Emerald Mines). A few miles to the south, in the Metaline district of Washington, lead-zinc ore bodies are found mostly within a zone of secondary dolomite lying at the top of the Metaline (Nelway) formation immediately below the Ledbetter slate (Active formation). The mineralogy of ores from both areas is characteristically sphalerite and galena with minor pyrite.

A second mineral bearing horizon is recognized in the Metaline area. This lies about 1000 to 1500 feet below the slate contact. The ores of this zone carry sphalerite and galena but are pyrite rich. The host rocks are dolomites. This horizon is best known at the Yellowhead Mine near Metaline Falls, Washington. A measure of the grade of ore from the Yellowhead is reported by Dings and Whitebread (1) as 10.5% Zn and 0.58% Pb. The yellowhead horizon lies within the stratigraphic interval represented by the middle dolomitic member of the Nelway Formation.



LOMOND CLAIMS

FIG 3  
LOCATION MAP  
Scale 1" = 24 mi

Area covered by  
Gulf Islands

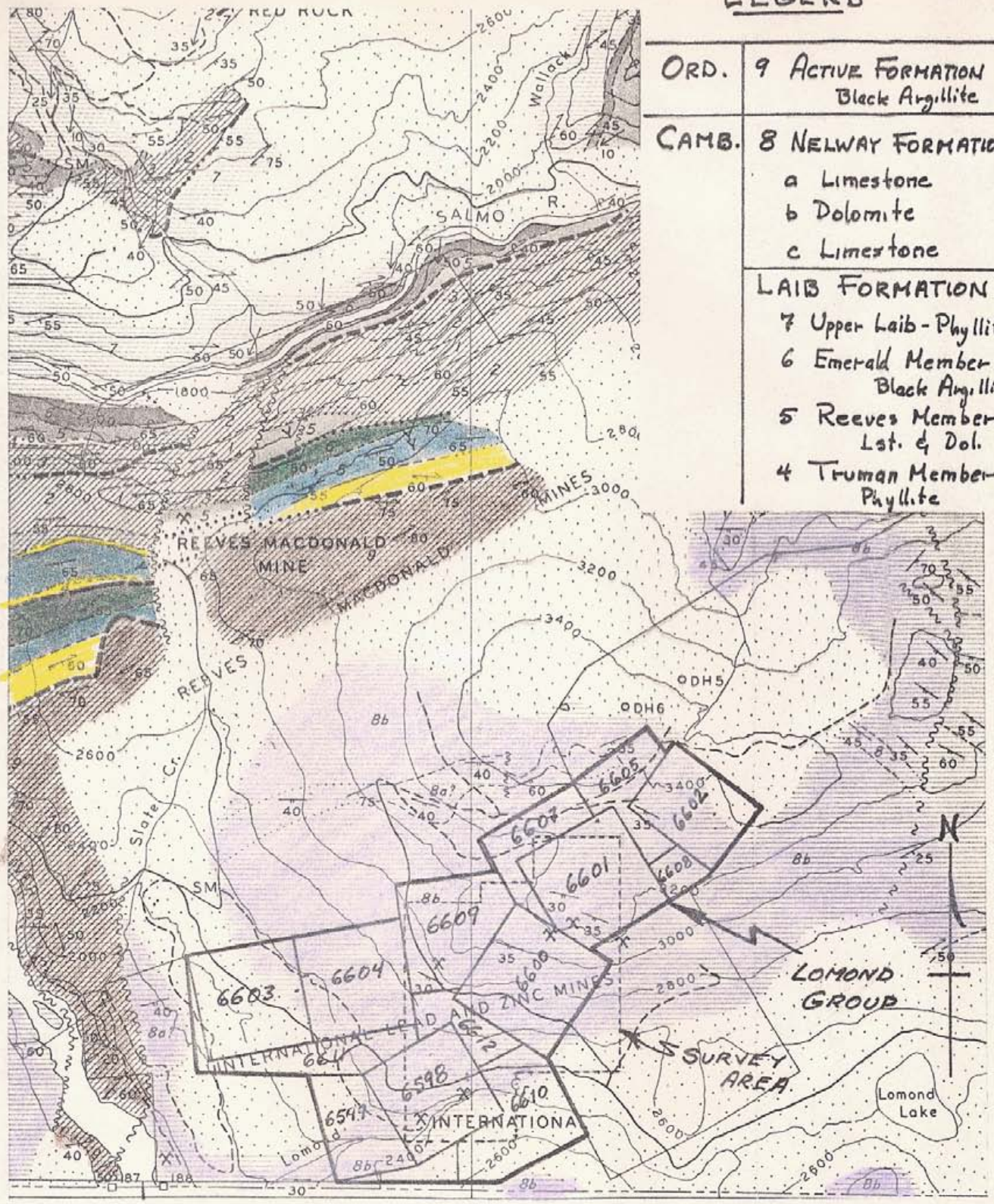


TABLE I - COLUMNAR SECTIONS OF ORDOVICIAN AND CAMBRIAN ROCKS

		SALMO AREA			METALINE AREA		
ORDOVICIAN	<u>FORMATION</u>	<u>LITHOLOGY</u>	<u>APPROX. THICKNESS</u>	<u>FORMATION</u>	<u>LITHOLOGY</u>	<u>APPROX. THICKNESS</u>	
		<u>ACTIVE</u>	Black argillite, slate and argillaceous limestone.	?	<u>LEDBETTER</u>	Black carbonaceous argillite and slate	2200 to 2500
CAMBRIAN	<u>NELWAY</u>			<u>METALLINE LIMESTONE</u>		4500 to 6500	
	Upper Member: * ?	Fine grained grey massive lst locally dolomitic	?	* Josephine Unit: Grey lst. Unit:	Black and grey dolomite Massive grey lst.	0 to 200 0 to 1500	
	Middle Member: * ?	Fine grained grey dolomite with discontinuous layers of spotted black dolomite	?	Bedded Dolomite Unit:	Light grey dolomite with beds and lenses of spotted black dolomite.	3500	
	Lower Member:	Fine grained, bedded dark grey limestone.		Bedded Limestone Unit:	Thin to med. bedded dark grey limestone.	1000 to 1200	
	<u>LAIB</u>			<u>MAITLEN PHYLLITE</u>			
	Upper Laib:	Grey and green phyllite			Green phyllite with limestone near top	5000	
	Emerald Member:	Black argillite	200-500				
	*Reeves Member:	Grey Limestone locally dolomitized	130-450				
	Truman Member:	Brown and green argillite	60-350	* Lead-Zinc mineralization			

# LEGEND

ORD.	9 ACTIVE FORMATION Black Argillite	
CAMB.	8 NELWAY FORMATION a Limestone b Dolomite c Limestone	
	LAIB FORMATION 7 Upper Laib - Phyllite 6 Emerald Member Black Argillite 5 Reeves Member Lst. & Dol. 4 Truman Member Phyllite	

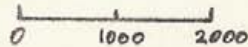


## LOMOND CLAIM GROUP

FIG. 2

## AREA GEOLOGY AND PROPERTY MAP

SCALE 1" = 2000'



(Geol from Fyles & Hewlett fig 3)

PROPERTY GEOLOGY

Control for geological and geochemical coverage was established by compass and chain (topofil). North-south lines are spaced at 100 meters with stations along same at 50 meters. Total linear coverage is 9.6 km.

Two areas of relatively good rock exposure are found on the property. These are the vicinity of Lomond Creek south of the Nelway-Waneta road and the break in slope at the top of the hill about 600 meters north of the road. The rocks of both areas are dolomites including black carbonaceous rocks with spots and bands of white calcite, and blue grey to buff rocks of fine to sugary texture which locally have small drusy vugs (5 to 10mm). The vugs probably represent remnants of the primary porosity which permitted ingress of dolomitizing solutions.

Bedding features have been largely obliterated by dolomitization. The banding in black dolomite and indistinct flaggy jointing of some grey dolomite outcrops appear to represent depositional planes. These are best seen along the road cut 200 meters south-east of the Hydro substation. General strike is east-west with dips ranging from 20 to 40 degrees to the south.

Small outcrops of dense fine grained, lightgrey limestone are scattered along the hillside north of the old road which cuts diagonally across the property.

The dolomites which underlie the Lomond ground are considered by Fyles and Hewlett (2) to belong to the middle member of the Nelway Formation.

Known mineralization within the property includes several zones of limonitic material within the dolomites of Lomond Creek and the hilltop outcrops. The showings along the creek as presently exposed are from 1 to 3 meters thick and up to 10 meters long.

These are confirmable to bedding. The hill top showings are small (1 x 5m and .1 x 1m) and appear to cross-cut bedding.

PROPERTY GEOLOGY CONT'D.

The showings consist of earthy limonite and hard goethite. Nodules of galena and cerussite ore reported to have been found at the Lomond Creek workings in the 1940's but none were seen by the present writer. Grab samples were collected across limonitic zones during the course of the present survey. These returned the following values:

<u>SAMPLE LOCATION</u>	<u>% Zn</u>	<u>% Pb</u>	<u>Oz/T Ag</u>
14 E 7.85 N	3.80	1.22	.09
15.9 E 8.7 N	1.44	.91	.06
20 E 15.9 N	.70	.38	.06

These iron rich deposits are the oxidized remnants of sulphide masses with a high pyrite content. The high mobility of zinc relative to that of lead in the oxidizing environment would indicate a parent material having a higher zinc to lead ratio than is given by the above sample results. The expected composition plus the probable stratigraphic position of the showings indicates that the original sulphide masses and those which may exist at depth are of the type found at the Yellowhead Mine.

GEOCHEMISTRY

Samples were collected from B horizon soils on 50 meter stations. These were packed in craft envelopes and shipped to Vangeochem Lab. Ltd., 1521 Pemberton Ave., North Vancouver, B.C.

Details of sample preparation and analysis as well as tabulated results are presented in appendix IV to this report.

Figure 3 shows the frequency distribution for lead and zinc in the soil samples. Anomalous levels for the two elements have been chosen by consideration of the distribution curves and by the spatial distribution of the values on the ground. These are greater than 100 ppm for lead and 400 ppm for zinc.

Figures 5 and 6 show values plotted in plan at a scale of 1:2500 for zinc and lead respectively.

Anomalous areas outlined are virtually coincident for both metals. The strongest anomalies occur over the areas of relatively dense outcrop adjacent to showings and old workings (A). The hilltop anomaly (B) (16N on lines 18E to 22E) shows a down slope migration pattern for up to 200 meters south of the source area.

The anomaly of 12.5 N. between 19E and 22E (C) and that of line 18E between 10N and 11.5N may reflect a continuation of the mineralized horizon of the creek showings. Anomalies E and F are probably reflecting continuations of the hilltop mineralization.

Respectfully submitted,



Robert G. Potter, MSc. P. Eng.

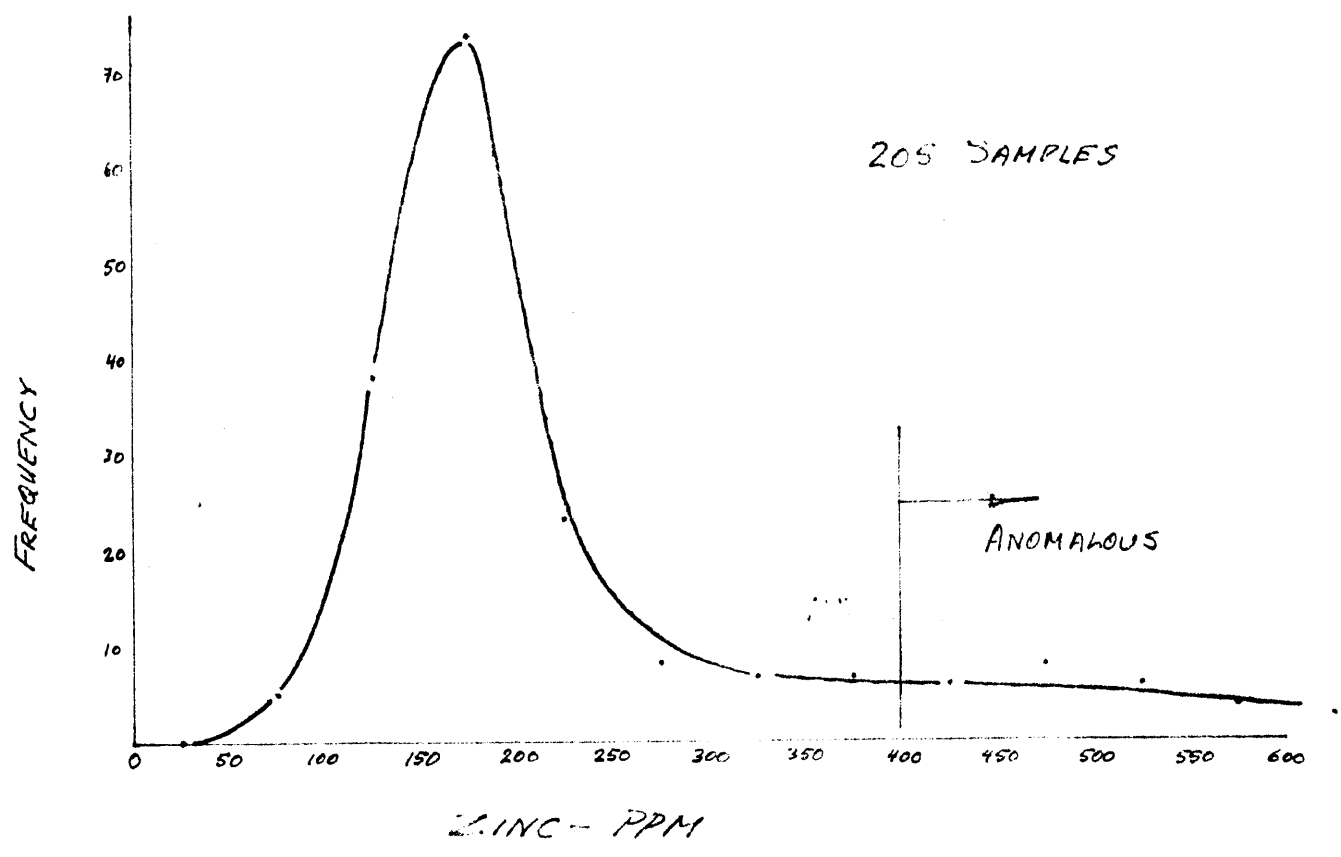
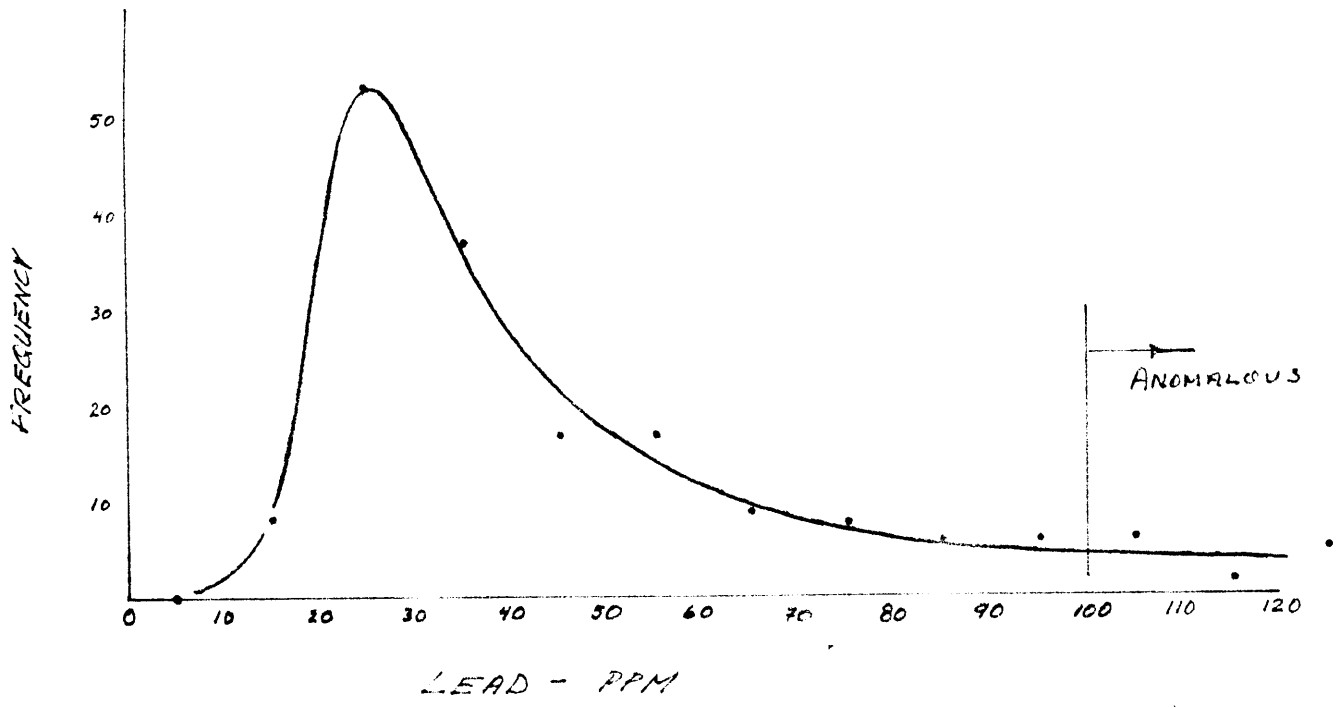


FIG. 3  
 FREQUENCY DISTRIBUTIONS  
 FOR LEAD AND ZINC IN SOILS

LONOND PROPERTY - NELSON M.D.

RGP

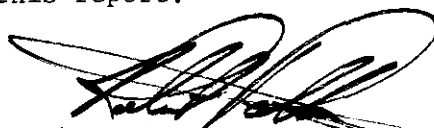
APPENDIX I

CERTIFICATE

CERTIFICATE

I, ROBERT G. POTTER, of R.R. 1 Fulford Harbour, British Columbia,  
do hereby declare:

1. That I am a consulting geological engineer.
2. That I am a graduate of the University of British Columbia (BASc 1961) and McGill University (MSc (Applied) 1972).
3. That I have actively practiced my profession both in Canada and Europe since graduation.
4. That I am a member in good standing, of the Association of Professional Engineers of British Columbia.
5. That I have no financial interest, direct or indirect, in the Lomond Property as described in this report.



Robert G. Potter, MASC. P. Eng.

Dated at the City of Vancouver,  
Province of British Columbia,  
September 19, 1977.



APPENDIX II

REFERENCES CONSULTED

REFERENCES CONSULTED

1. Dings, M.G. and Whitebread, D.H. 1965. Geology and ore deposits of the Metaline zinc-lead district: U.S.G.S. prof. paper 489.
2. Fyles, J.T. and Hewlett, C.G. 1959, Stratigraphy and Structure of the Salmo lead-zinc area: B.C. Dept. of Mines Bull. no. 41.
3. Little, H.W. 1960. Nelson Map-Area, West Half G.S.C. Mem. 308.
4. McConnel, R.H. and Anderson, R.A. 1968. The Metaline District Washington: In Graton-Sales Vol. II, Ore Deposits in the United States. PP 1460-1480.
5. Park, C.F. and Cannon, R.S. 1943 Geology and ore deposits of the Metaline quadrangle Washington: U.S.G.S. prof. paper 202.
6. Reports of the B.C. Minister of Mines 1948 and 1950.

APPENDIX III

PERSONNEL AND COST STATEMENT

PERSONNEL

<u>NAME</u>	<u>POSITION</u>	<u>PERIOD OF WORK</u>	<u>WAGE RATE</u>	<u>TOTAL</u>
Robert Potter	Geologist	Sept. 1 to 7	\$100/day	\$700.00
Scott MacLellan	Soil Sampler	Sept. 3 to 5	\$ 40/day	120.00

COST STATEMENT

Wages	\$ 820.00
Geochemical Analyses as per attached invoice	506.45
Food and Lodging (Salmo)	183.59
Transport (gas plus auto rental @ \$20/day)	198.71
Report	<u>200.00</u>
TOTAL	\$1,908.75



VANGEOCHEM LAB LTD.

986-5211  
604-988-2000

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.  
CANADA V7P 2S3

IN ACCOUNT WITH:

Merv Engineering  
# 333 - 885 Dunsmuir St.  
Vancouver, B.C. V6C 1N5

INVOICE: 4349

DATE: Sept. 12, 1977

TERMS: NET 21 DAYS

FOR REPORT 77 60 012  
Job# 77 177

PROJECT: Lomend Property

ORDER NO.

1 rock sample for preparation	@ \$1.25	\$ 1.25
207 soil samples for preparation	@ \$0.35	\$ 72.45
205 trace analysis for Pb & Zn	@ \$1.75	\$358.75
3 assay for Pb	@ \$5.00	\$ 15.00
3 assay for Zn	@ \$5.00	\$ 15.00
3 assay for Ag	@ \$4.50	\$ 13.50
	sub-total:	<u>\$475.95</u>
500 ea. geochem envelopes	@ \$50.00/M	\$ 25.00
plus 7% B.C S.S.Tax		\$ 1.75
plus shipping charge waybill #A280163		\$ 3.75
	Total:	<u>\$506.45</u>

Lomend  
CARMAC

APPENDIX IV

ANALYTICAL PROCEDURES

and

TABULATED RESULTS



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-~~986-5211~~ 986-5211

V7P 2S3

September 13, 1977

TO: Merv Engineering Ltd.,  
# 333 - 885 Dunsmuir Street,  
Vancouver, B. C. V6C 1N5

FROM: Vangeochem Lab Ltd.,  
1521 Pemberton Avenue,  
North Vancouver, B. C. V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble Pb and Zn  
in geochemical silt and soil samples.

Re: Geochemical Analytical Report # 77-60-012, September 12, 1977

1. Sample Preparation

- (a) Geochemical soil or silt samples were received in the laboratory in wet-strength  $3\frac{1}{2}$  x  $6\frac{1}{2}$  Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine with 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

2. Methods of Digestion

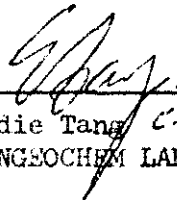
- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

.....2

3. Method of Analysis

Pb and Zn analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamps. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun and the laboratory staff.



---

Eddie Tang C.E.T.  
VANGEOCHEM LAB LTD.

ET:mb





VANGEOCHEM LAB LTD.  
1521 PEMBERTON AVE.,  
NORTH VANCOUVER, B.C.,  
CANADA V7P 2S3

TELEPHONE: ~~XXXXXX~~  
AREA CODE: 604-986-5211

• Specialising in Trace Elements Analyses •

### Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Merv. Engineering  
# 333 - 885 Dunsmuir Street  
Vancouver, B.C. V6C 1N5

Attention:

Report No: 77 60 012 Page 1 of 6  
Samples Arrived: Sept. 7, 1977  
Report Completed: Sept. 12, 1977  
For Project: Lomend Property  
Analyst: E.T., S.C.  
Invoice# 4349 Job# 77 177

Sample Marking	Pb ppm	Zn ppm			
L 12 E 13 N	12	60			
L 13 E 7.5 N	68	206			
8.0	37	192			
8.5	34	156			
9.0	20	238			
9.5	35	230			
10.5	26	108			
11.0	26	123			
11.5	20	162			
12.0	18	172			
12.5	16	143			
13.0	41	255			
13.5	18	186			
14.0	28	188			
14.5	25	148			
15.0	23	147			
15.5	26	152			
16.0	23	193			
16.5	26	260			
L 13 E 12.0 N	25	215			
L 14 E 7.5 N	2550	3000			
8.0	97	338			
8.5	35	193			
9.0	27	248			
9.5	40	225			
10.0	53	237			
10.5	48	243			
11.0	18	137			
11.5	21	177			
12.0	23	153			
12.5	21	162			
13.0	25	173			
13.5	25	173			
14.0	26	195			
14.5	23	158			
15.0	27	191			
15.5	26	136			
16.0	46	159			
L 14 E 16.5 N	42	193			

*Bob Patten*  
*2/5*

*CS*

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REMARKS:

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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-IN ACCOUNT WITH-  
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Report No: 77 60 012 Page 2 of 6  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm			
L 14 E 17.0 N	36	120			
L 15 E 7.5 N	37	110			
8.0	63	165			
8.5	123	273			
8.65	140	356			
9.0	50	163			
9.5	32	200			
10.0	52	168			
10.5	25	158			
11.0	25	156			
11.5	32	190			
12.0	32	173			
12.5	20	205			
13.0	40	184			
13.5	31	182			
14.0	157	392			
14.5	40	180			
15.0	31	188			
15.5	53	146			
L 15 E 16.0 N	27	170			
L 15 E 16.5 N	26	176			
L 15 E 17.0 N	30	162			
L 16 E 7.5 N	27	149			
8.0	28	158			
8.5	67	168			
8.7	7600 ✓	8000 ✓			
9.0	620 ✓	1240 ✓			
9.5	42	138			
10.0	40	133			
10.5	35	115			
11.0	28	133			
11.5	37	170			
12.0	130	256			
12.5	390	800			
13.0	57	152			
13.5	87	207			
14.0	410 ✓	720 ✓			
14.5	415 ✓	930 ✓			
L 16 E 15.0 N	80,	227,			

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REMARKS:

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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-IN ACCOUNT WITH-

Merv Engineering

Attention:

Report No: 77 60 012 Page 3 of 6  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Sample Marking	Pb ppm	Zn ppm			
L 16 E 15.5 N	64	155			
16.0	207	272			
16.5	30	133			
L 16 E 17.0 N	31	138			
L 17 E 8.0 N	21	190			
8.5	56	147			
9.0	31	150			
9.3	26	100			
9.5	30	110			
10.0	80	290			
10.5	25	153			
11.0	36	159			
11.5	26	120			
12.0	42	178			
12.5	35	134			
13.0	32	146			
13.5	34	132			
14.0	37	129			
14.5	36	144			
L 17 E 15.0 N	44	166			
L 17 E 15.5 N	60	203			
16.0	31	152			
16.5	24	169			
17.0	26	223			
17.5	27	184			
L 17 E 18.0 N	24	145			
L 18 E 10.0 N	137	450			
10.5	144	500			
11.0	136	520			
11.5	146	510			
12.0	35	153			
12.5	43	155			
13.0	67	197			
13.5	53	168			
14.0	96	203			
14.5	450 ✓	800 ✓			
15.0	56	162			
15.5	710 ✓	1300 ✓			
L 18 E 16.0 N	46,	147,			

MASTER PRINTING LTD.

REMARKS:

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

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AREA CODE: 604-986-5211

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## Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Merv. Engineering

Attention:

Report No: 77 60 012 Page 4 of 6  
Samples Arrived:  
Report Completed:  
For Project:  
Analyst:

Sample Marking	Pb ppm	Zn ppm			
L 18 E 16.5 N	61	308			
17.0	107	500			
17.5	148	362			
L 18 E 18.0 N	24	71			
L 19 E 10.0 N	51	315			
10.5	65	417			
11.0	40	180			
11.5	47	192			
12.0	82	700			
12.5	106	480			
13.0	82	192			
13.5	170	358			
14.0	115	232			
14.5	56	166			
15.0	65	232			
15.5	322	820 ✓			
16.0	51	166			
16.5	35	148			
17.0	21	190			
L 19 E 17.5 N	72	540 ✓			
L 19 E 18.0 N	23	148			
18.5	22	170			
19.0	25	140			
19.5	36	115			
L 19 E 20.0 N	42	188			
L 20 E 10.0 N	135	580 ✓			
10.5	94	610 ✓			
11.0	85	480 ✓			
11.5	84	510			
12.0	53	242			
12.5	105	450			
13.0	77	313			
13.5	108	384			
14.0	216	590 ✓			
14.5	147	349			
15.0	150	373			
15.5	420 ✓	630 ✓			
16.0	124	480 ✓			
L 20 E 16.5 N	74,	350,			

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REMARKS:

Signed: 

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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-IN ACCOUNT WITH-  
Merv Engineering

Report No: 77 60 012 Page 5 of 6  
Samples Arrived:  
Report Completed:  
For Project:  
Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm			
L 20 E 17.0 N	27	152			
17.5	21	175			
18.0	61	306			
18.5	30	162			
19.0	22	107			
19.5	22	126			
L 20 E 20.0 N	24	135			
L 21 E 10.0 N	45	150			
10.5	57	179			
11.0	47	203			
11.5	42	247			
12.0	58	295			
12.5	112	700 ✓			
13.0	158	1250 ✓			
13.5	103	570			
14.0	175	530			
14.5	80	210			
15.0	345 ✓	660 ✓			
15.5	174	420			
L 21 E 16.0 N	670 ✓	1750 ✓			
L 21 E 16.5 N	75	324			
17.0	54	250			
17.5	40	140			
18.0	36	167			
18.5	92	430			
19.0	23	163			
19.5	21	162			
L 21 E 20.0 N	19	79			
L 22 E 10.0 N	31	133			
10.5	75	191			
11.0	55	182			
11.5	29	175			
12.0	75	430 ✓			
12.5	92	337			
13.0	122	560 ✓			
13.5	50	460 ✓			
14.0	142	650 ✓			
14.5	132	480 ✓			
L 22 E 15.0 N	126,	690, ✓			

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REMARKS:

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

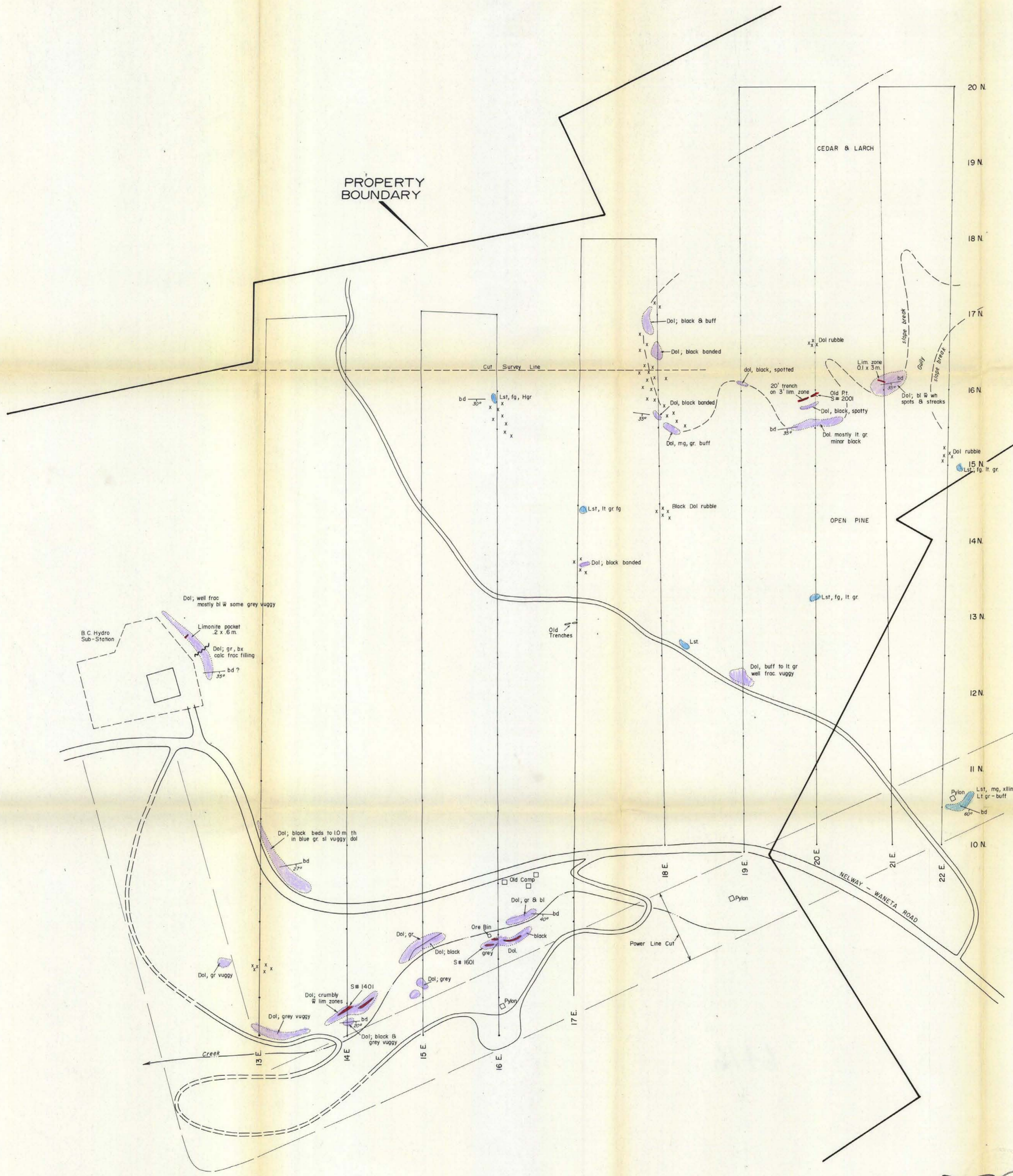
ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.





PROPERTY BOUNDARY



LEGEND

- Area of outcrop
- Bedding Attitude
- Limonite zones

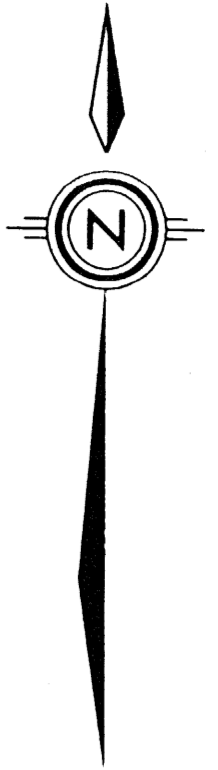
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. **6416**

**LOMOND PROPERTY**  
SALMO AREA, NELSON M.D.  
**GEOLOGY**

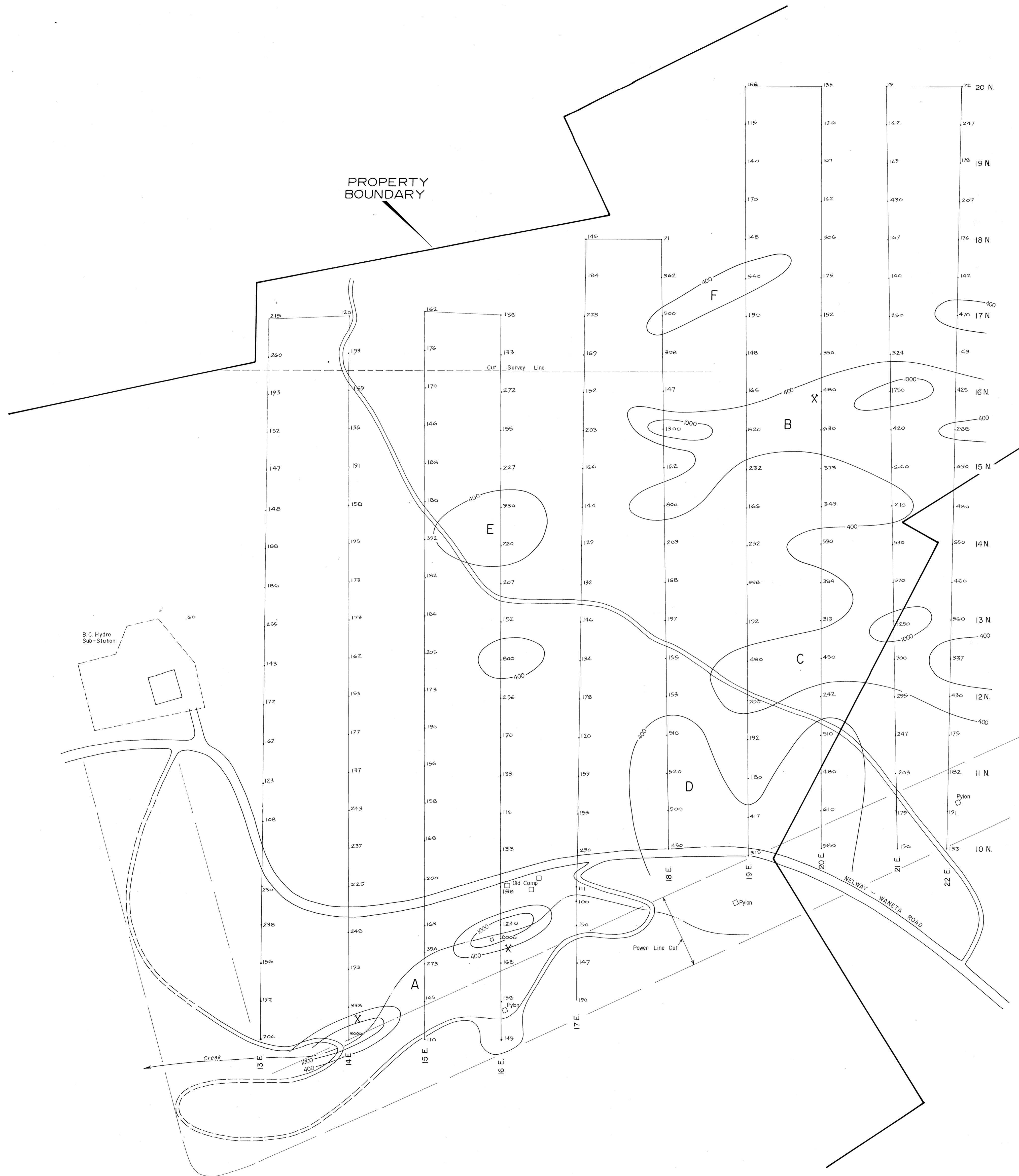
METRES 50 0 50 100 150 METRES

DRAWN BY: R. POTTER, P.Eng. DATE: SEPT. 19, 1976  
SCALE: 1" = 2500' FIG.: 4

*[Signature]*  
To accompany report on the Lomond Claim Group  
by R. Potter P.Eng. dated Sept. 19, 1977



PROPERTY  
BOUNDARY



**LEGEND**

- Sample station with zinc value in ppm.
- Anomalous area zinc > 400 ppm.
- Anomalous area zinc > 1000 ppm.
- Old workings

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
No. **6416**

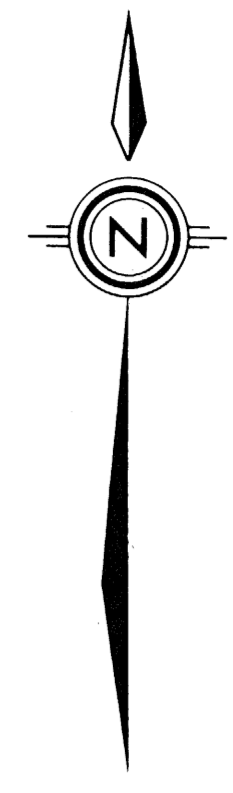
**LOMOND PROPERTY**  
SALMO AREA, NELSON M.D.  
**GEOCHEMISTRY**  
(ZINC IN SOILS)

METRES 50 0 50 100 150 METRES

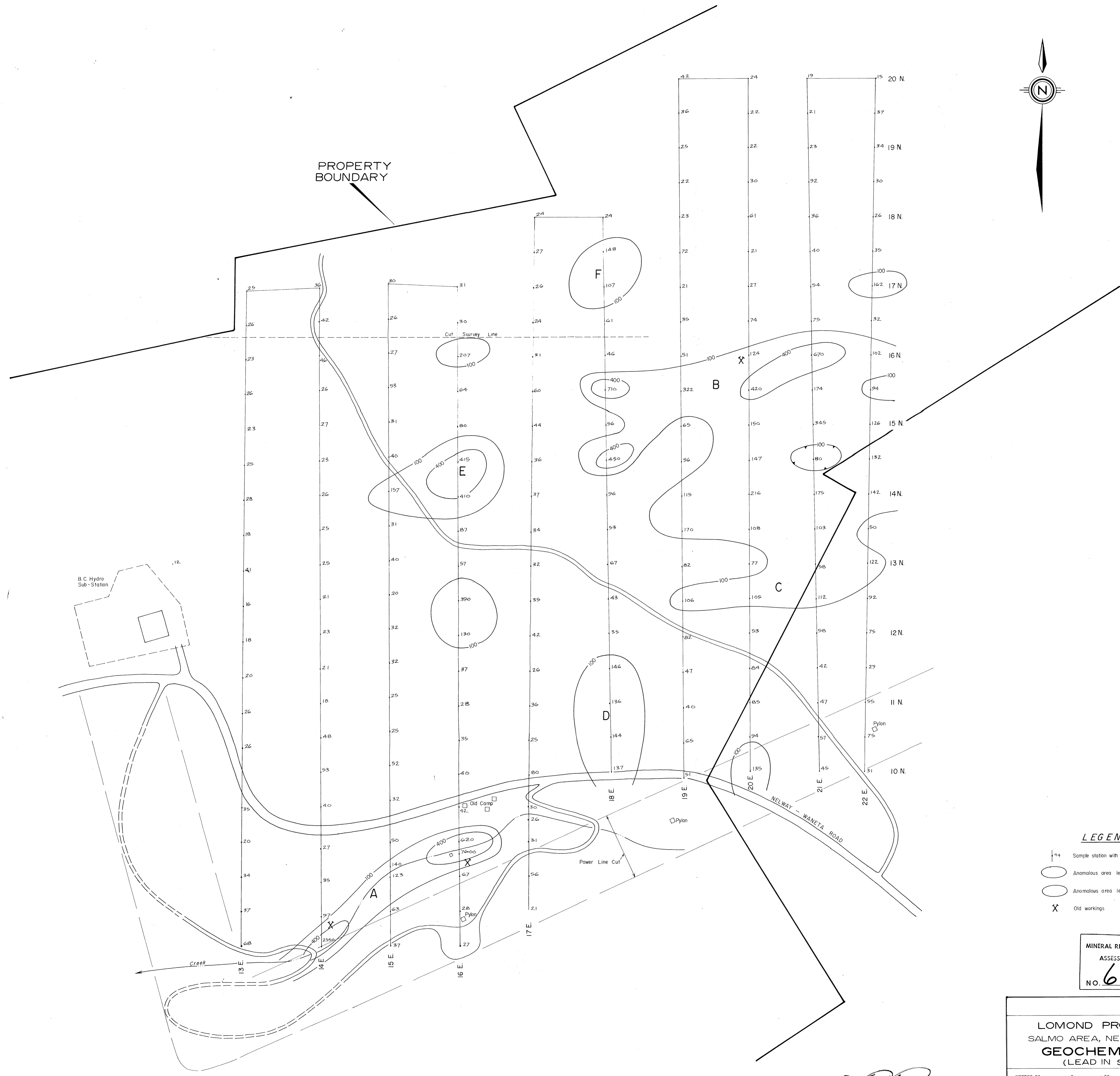
DRAWN BY : R. POTTER, P.Eng DATE : SEPT. 19, 1976  
SCALE : 1:2500 FIG. : 5

*[Signature]*  
To accompany report on the Lomond Claim Group  
by R. Potter, P.Eng., dated Sept. 19, 1977





PROPERTY  
BOUNDARY



**LEGEND**

- X— Sample station with lead value in p.p.m.
- Anomalous area lead >100 ppm.
- Anomalous area lead >400 ppm.
- X Old workings

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. **6416**

LOMOND PROPERTY  
SALMO AREA, NELSON M. D.  
**GEOCHEMISTRY**  
(LEAD IN SOILS)

METRES 50 0 50 100 150

DRAWN BY : R. POTTER, P. Eng. DATE : SEPT. 19, 1976  
SCALE : 1:2500 FIG. : 6

*R. Potter*  
To accompany report on the Lomond Claim Group  
by R. Potter P. Eng. dated Sept. 19, 1977