

GEOLOGICAL AND GEOCHEMICAL REPORT



on the

HPZ - TBO CLAIM GROUP

LOMOND CREEK AREA

Mayo Mining District, Yukon Territory

N.T.S. 116 A/12 and 116 B/9

Latitude: 64° 40.5'N - 64° 44'N

Longitude: 137° 47'W - 138° 12'W

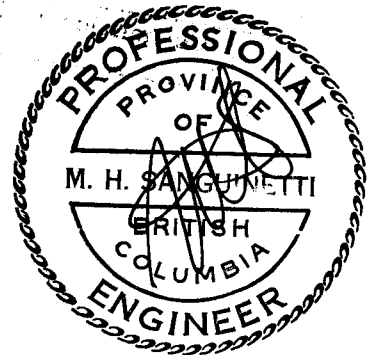
by

G. R. FOYE, B.Sc.

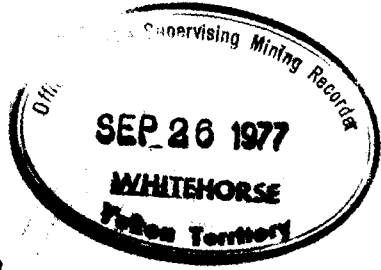
and

M. H. SANGUINETTI, P.Eng.

July, 1977



090207



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$21,000.00


Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 of Yukon Quartz Mining Act.




B. R. BAXTER
Supervising Mining Recorder
 Commissioner of Yukon Territory

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INTRODUCTION

This report describes geological and geochemical work conducted on the HPZ and TBO claim block situated in the Mayo Mining District, Yukon Territory. Work was carried out during the periods of July to September, 1976 and May to June, 1977. The property, which is commonly referred to as the Lomond Creek property, is part of a project for Getty Mining Pacific Limited, being operated by Cordilleran Engineering Limited of Vancouver. The work programs were performed under the direction of M. H. Sanquinetti, P.Eng., of Cordilleran Engineering Limited.

The claims were staked in 1976 to cover an area of Paleozoic shales from which stream sediment samples anomalous in zinc, copper and uranium were collected. The object of the work described in this report was to evaluate the mineral potential of the claims.

The property is located on the south side of Lomond Creek from latitudes $64^{\circ} 40.5'N$ to $64^{\circ} 44'N$ and from longitudes $137^{\circ} 47'W$ to $138^{\circ} 12'W$. (Figure 1) The western edge of the eleven mile long property is approximately six miles east of Mile 62 of the Dempster Highway. Helicopter support during the project was provided by Northern Mountain Helicopters of Prince George, B. C.

The property consists of the HPZ 1-54, HPZ 59-83, TBO 1-54 and TBO 59-77 claims for a total of 152 claims. The claims are all contiguous and all of the claim posts have been tagged. A complete list of claims and tag numbers is contained in Appendix C. Title to the claims is held by Cordilleran Engineering Limited in trust. (Figure 2)

MAP OF THE YUKON TERRITORY

SCALE IN MILES



altair engineering

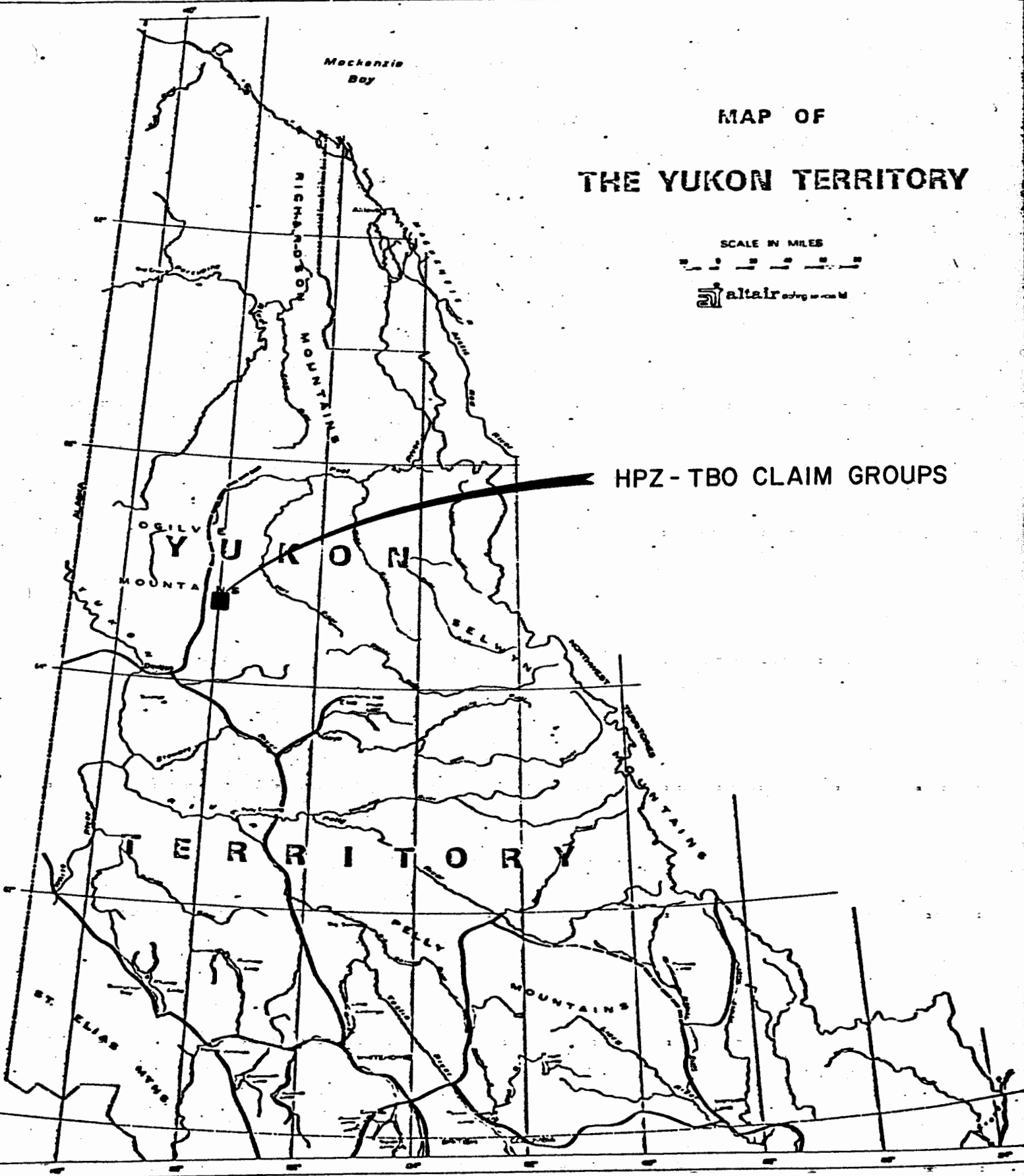
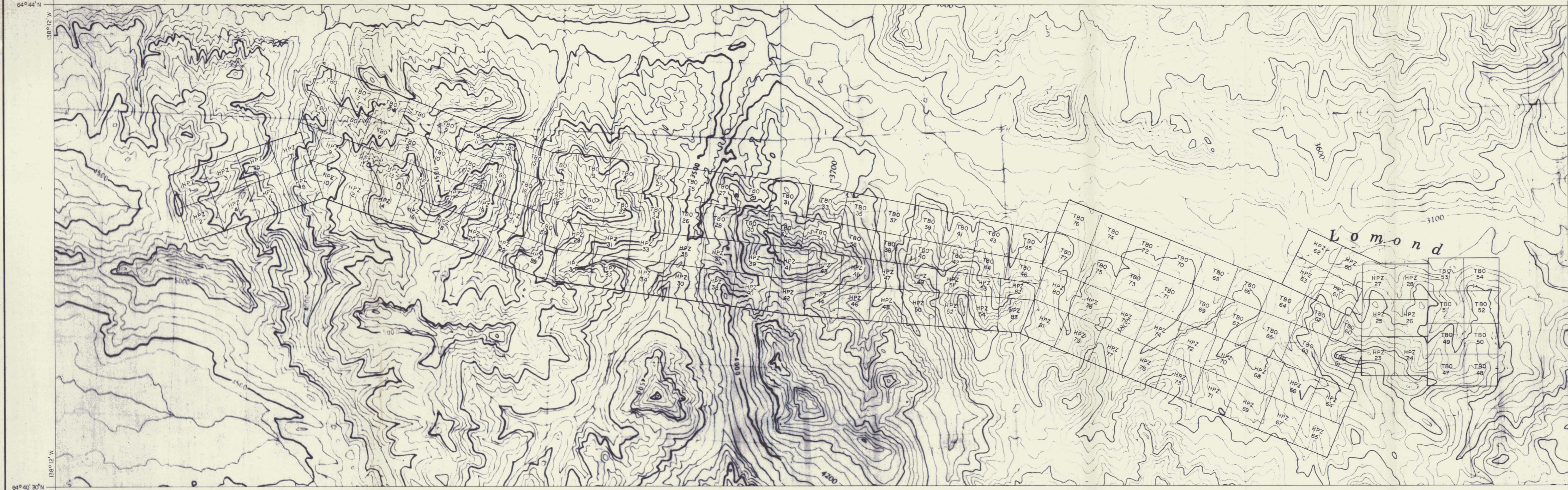


FIGURE 1



GETTY MINING PACIFIC, LIMITED

DAWSON RICHARDSON PROJECT

CLAIM MAP

LOMOND CREEK PROPERTY (N.T.S. 116A 12, 116B 9)

MAYO MINING DISTRICT, YUKON TERRITORY

CONTOUR INTERVAL = 100'



SCALE IN MILES

BY

CORILLERAN ENGINEERING LIMITED

1418-355 BURRARD STREET

VANCOUVER, B. C. V6C 2G8

DEC. 1976

GEOLOGY

General Description

The Lomond Creek property is situated within the area of the G.S.C.'s 1961 mapping program known as Operation Ogilvie. Results of this program are described in G.S.C. Memoir 364 (1972) by L. H. Green. This memoir was used as a framework for the present work. The area covered by the Lomond Creek property is found on the northern parts of the Dawson and Larsen Creek map sheets contained in the memoir.

Mapping and geological plotting were done on a 1:25,000 enlargement of 1:50,000 government topographic sheets (116A/12 and 116B/9). Traverses were mainly made along several northerly flowing creeks which cross-cut the generally east-west striking stratigraphy. Some east-west traverses, which were primarily in conjunction with soil sampling, were also made. The traverses were spaced so that the whole property received equal coverage. A few traverses were extended beyond the property boundaries to aid in the geological interpretation. Mapping was hindered in some areas by the lack of outcrop, particularly along the northern margin of the property which extends into the broad Lomond Creek valley.

The rocks in the area of the property were divided into five units (A to E) for the purpose of mapping. These units are shown on the accompanying Table of Geological Formations (Table I). This table also shows the correspondence of mapped units with those used in Memoir 364. Refer to Figure 3 for the geology of the property. With the exception of Units B and E, which occur as relatively thin layers within the other units, all of the rocks can be generally classified as Paleozoic shales.

A prominent structural feature in the area is the Dawson Thrust which parallels the property near its southern margin. This thrust, which has been previously traced for several hundred miles, has placed Unit D rocks over younger Unit A rocks. The actual thrust zone was not seen in the field but this is likely due to its probable recessive nature.

TABLE 1

TABLE OF GEOLOGICAL FORMATIONS

Area of HPZ - TBO Claim Blocks
Lomond Creek, Yukon Territory

<u>AGE</u>	<u>MAP UNIT</u>	<u>UNIT # USED IN G. S. C. MEMOIR</u>	<u>DESCRIPTION</u>
Devonian - Mississippian	A	364 13	Mainly siliceous argillite which commonly occurs as thin beds alternating with thin paper shale beds. Also found in massive and shale forms.
	B	13	Limestone beds within unit A argillites. Beds up to about 25' thick. Usually baritiferous.
Devonian	C	9 or 12?	Black, calcareous, fissile shales. Fossiliferous - contains "Mono-Twist" graptolites which are lower Middle Devonian index fossils.
Ordovician - Silurian	D	9	Massive, green to black cherts which have been thrust over the younger argillites of unit A. Minor disseminated pyrite.
?	E	20?	Volcanic sills within unit D. The rocks appear to be mainly andesitic but another lithology consisting of feldspar laths in a dark matrix was also mapped. Minor disseminated pyrite.

Description of Units

Unit A: The majority of the property is underlain by rocks of this unit.

They are part of Unit 13 (Memoir 364) which is of Devonian to Mississippian age and which may be at least partly correlative with the Canol and Imperial Formations.

Rocks of Unit A are mainly very silicious, black argillites. The most characteristic form of occurrence of these argillites seems to be as relatively thin, massive beds of variable thickness (commonly 1" - 2") separated by thin (usually less than 1" thick) beds of paper shale. At any one point the bedding appears quite regular, i.e., all of the argillite beds are approximately the same thickness and are separated by shale beds which are all of approximately equal thickness. The argillites of Unit A also occur both in massive form, in which bedding is indistinct or not detectable, and, in some areas, in a thin, platy form.

Unit A is normally highly siliceous. However, the platy forms, particularly near the eastern end of the property are only moderately siliceous. Some of the more massive argillites are so siliceous that they have a conchoidal fracture and could be described as chert. The unit is normally non calcareous with the exception of occasional limy interbedded shales and thin, slightly calcareous intervals. Very fine stringers and blebs of calcite are common in many parts of Unit A. A large vein or knot of calcite is exposed in the bank of a creek near the western end of the property. This calcite exposure measures approximately three feet in width and ten feet in height. Quartz veins and fine stringers are also common in some areas. A few areas, especially near fault zones, are gypsiferous.

As can be seen from the geology map (Figure 3) Unit A generally strikes about east-west and dips to the south. The degree of dip varies across the property but most commonly falls within the range of 30° - 50°. Much of the unit is highly folded and contorted by tight folds which range from vertical to recumbent to overturned. This folding is possibly a reflection

of the thrusting of Unit D over Unit A by the Dawson Thrust. Some zones exhibit strong jointing. Rocks of Unit A are, in general, badly shattered and fractured.

Unit B: Although Unit B is actually part of Unit A it was mapped separately because it is a distinct lithology. Rocks of this unit are exposed on the western half of the property and consist of limestone layers up to about 25 feet thick. The limestones are normally quite massive but in some cases are thinly laminated and in others exhibit an oolitic texture. Most of the limestones are heavy and are probably baritiferous.

Because of poor outcrop exposure it is difficult to determine how laterally extensive or how numerous these limestone layers are. A layer near the western claim boundary can be traced for about 1,500 feet but at other localities the unit is only exposed over a few feet. On the northern part of the property Unit B outcrops mapped over a distance of about four miles are possibly all part of the same bed.

Unit C: Unit C outcrops below Unit A in a small area on the northeast corner of the property. Rocks characteristic of the unit are grey to black, fissile shales. They are commonly highly calcareous and appear to have a gentle dip to the south.

Unit C is fossiliferous. One group of fossils that have been identified are "Mono-Twist" graptolites which are lower Middle Devonian index fossils. How Unit C is correlative with the units of Memoir 364 is not clear. It is possibly part of the Road River (Unit 9) Formation or, as the age would suggest, it may be part of Unit 12.

There is possibly a fault contact between Units A and C. At one outcrop near the contact along the claim line between TBO 49 and 50 a zone of brecciated argillite is cemented by calcite. Slickensided surfaces are also evident at this point.

Unit D: Rocks of Unit D outcrop along the southern margin of the property but they probably occur on the property only in the southeast corner. Unit D rocks consist primarily of massive cherts which range in colour from grey to green to black. Bedding is distinguishable in a few places. Minor amounts of disseminated pyrite occurs in some areas.

These cherts have been thrust over Unit A argillites by the Dawson Thrust and because of their resistant nature form prominent ridges south of the property.

Unit E: Volcanic sills found within Unit D rocks have been designated as Unit E. These sills are possibly correlative with Unit 20 in Memoir 364 where they are referred to as greenstones. With one exception the term andesitic was used as a field description of the rocks of this unit. The andesites have a greenish tinge and in some cases are slightly vesicular. At one outcrop near the eastern end of the property the andesites are porphyritic with small black phenocrysts that are either amphiboles or pyroxenes. Disseminated pyrite is found in some of the andesites.

At one location a completely different type of volcanic rock was found which consisted of abundant feldspar laths up to about 0.5 mm long set in a dark, fine-grained groundmass. Andesite outcrop near this rock type but because of a covered interval it could not be determined if they were in direct contact.

The lateral extent of these sills was not determined. Upper and lower sill contacts were observed at only one location and in this case the sill was approximately 18 inches thick. Most of the other sill outcrops appeared to be thicker than this.

GEOCHEMISTRY

The HPZ and TBO claims were originally staked on the basis of anomalous zinc and copper values found in stream sediment samples.

After property acquisition rock and soil sampling programs were carried out in both 1976 and 1977. Rock sample locations and numbers are plotted on Figure 4 and their geochemical values for zinc, lead and copper are plotted on Figures 5, 6, and 7 respectively. Analyses for other selected elements were also done on some rock samples. All of the rock samples plotted on Figure 4 are also listed in Appendix D along with analytic values and descriptions. Included in this list are some samples that were collected from outside the limits of Figure 4. Except where noted in Appendix D as being chip samples, all of the rock samples can best be described as grab samples.

Soil sampling was carried out along all of the claim lines except for HPZ 60 - 63 and also along lines paralleling and close to the major northerly flowing drainages. Refer to Figure 8 for soil sample locations. During the 1976 program 377 samples were collected and during the 1977 program 239 samples were collected for a total of 616 soil samples. All of the 1976 samples were analyzed for copper, lead and zinc and the 1977 samples were also analyzed for uranium. Refer to Appendix E for the uranium values. Zinc, lead and copper values for the soil samples are plotted on Figures 9, 10 and 11 respectively.

Soil samples were collected at 200 to 250 foot intervals along the lines. An attempt was made at each site to collect a sample from the "B" horizon but in most cases a good "B" horizon sample was impossible to obtain because of poor horizon development, permafrost or talus slopes. In some cases the permafrost was almost at surface level and therefore a sample was not obtainable. Information on soil type, sample depth, soil colour, etc., was recorded on data sheets for each site.

The soil samples were placed in kraft bags and shipped to the laboratory of Bondar-Clegg and Comapny Ltd. in North Vancouver, B. C. After drying and sieving to -80 mesh analyses for zinc, lead and copper were done by atomic absorption and uranium analysis was done by the fluormetric method. The rock samples were also sent to Bondar-Clegg for analysis.

Threshold and anomalous levels for zinc, lead and copper values in the soil samples were determined from a group of 1976 samples that were all collected from the same ("B - C") horizon. The results were then extrapolated over the whole sample population. Statistical parameters were determined by computer using the formula: Threshold = mean plus two standard deviations and the anomalous level = mean plus three standard deviations. The resulting values are shown in the legends on Figures 9, 10 and 11. Frequency distribution plots of all samples for zinc, lead, copper and of 1977 samples for uranium are shown in Figures 12, 13, 14 and 15 respectively.

The soil sample maps indicate small, scattered zones of anomalous zinc, lead and copper values, some of which are coincident.

SOIL SAMPLE FREQUENCY DISTRIBUTION

HPZ - TBO CLAIMS

ZINC

616 SAMPLES

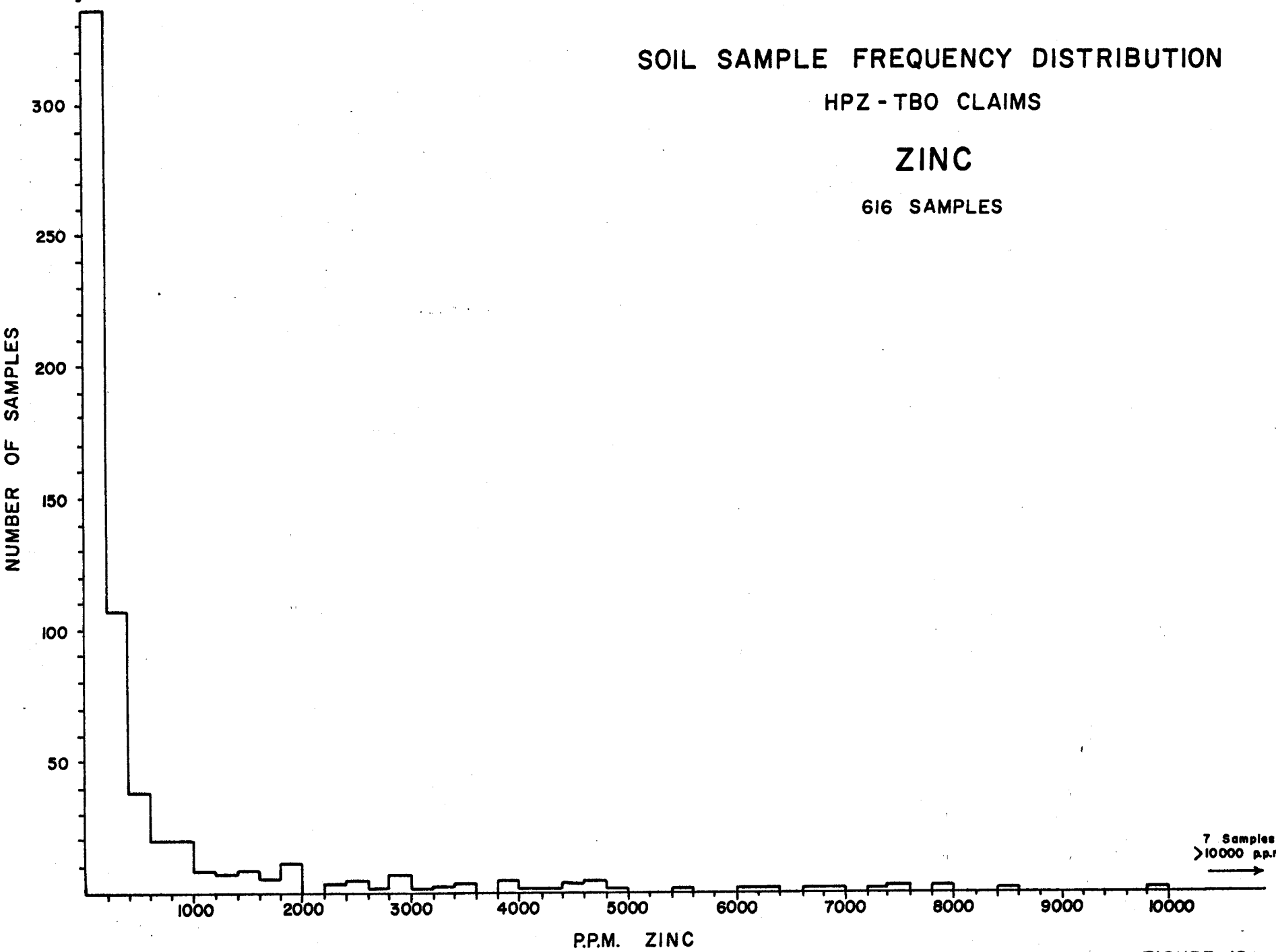


FIGURE 12

SOIL SAMPLE FREQUENCY DISTRIBUTION

HPZ - TBO CLAIMS

LEAD

616 SAMPLES

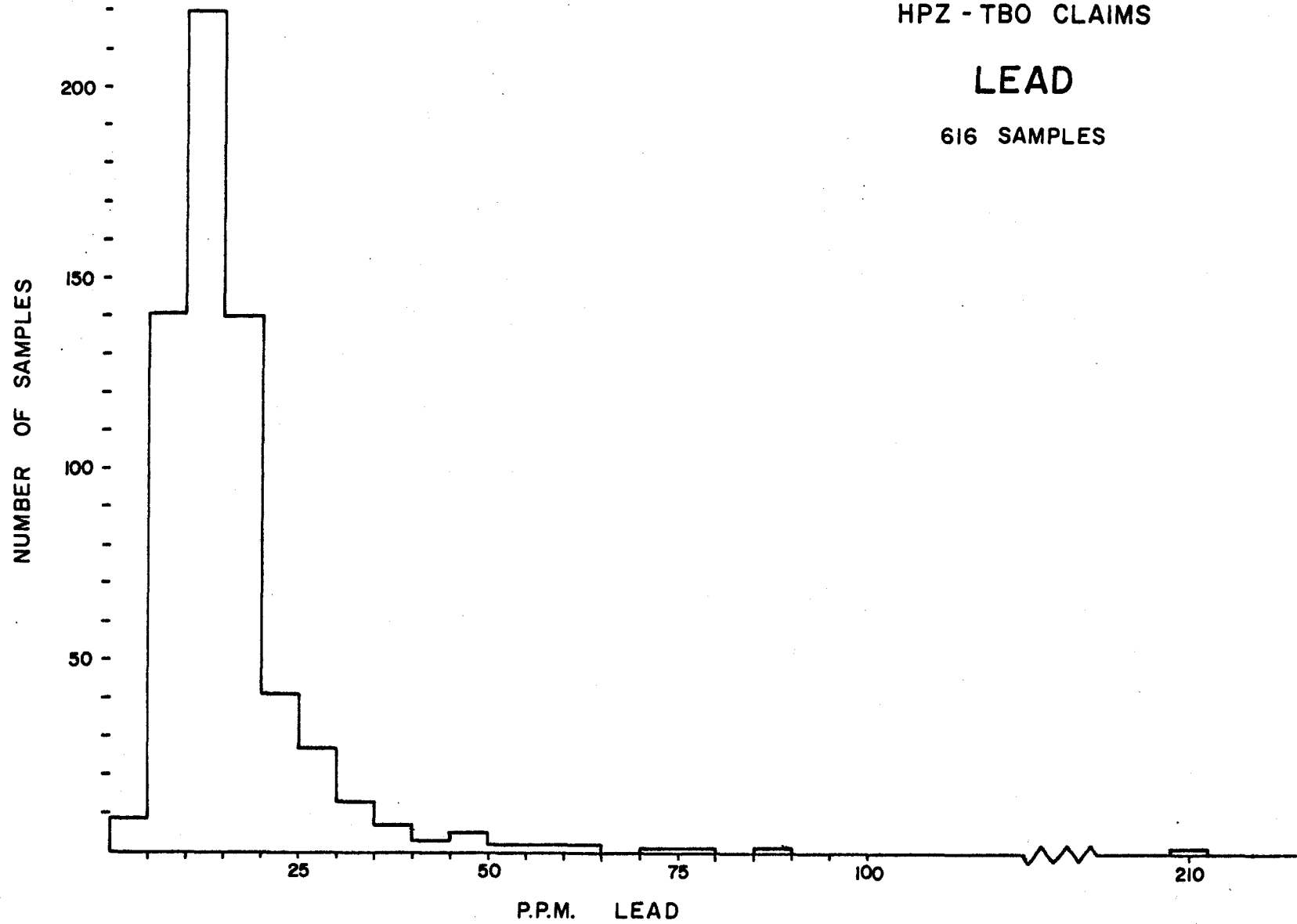


FIGURE 13

SOIL SAMPLE FREQUENCY DISTRIBUTION

HPZ - TBO CLAIMS

COPPER

616 SAMPLES

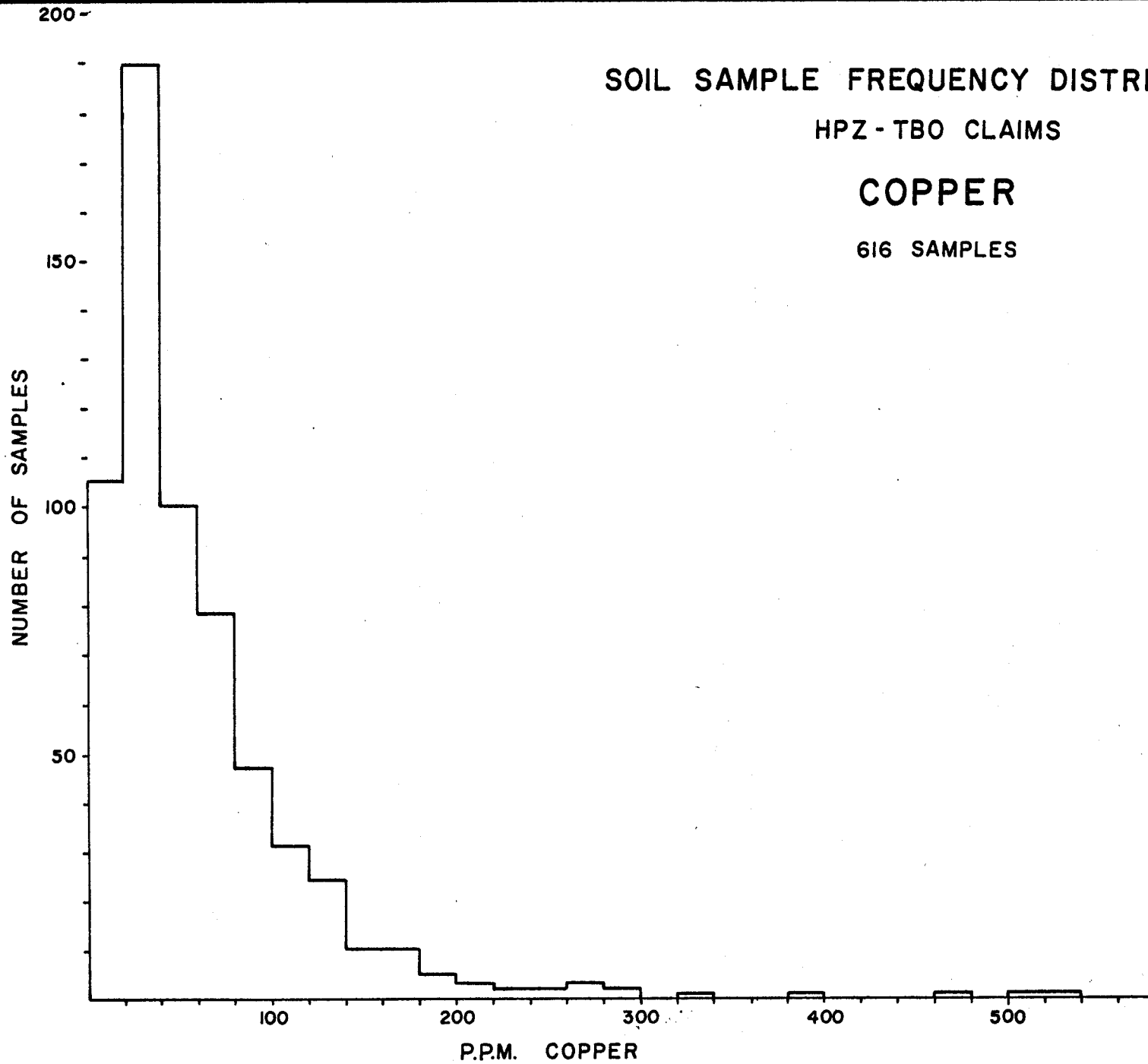


FIGURE 14

SOIL SAMPLE FREQUENCY DISTRIBUTION

HPZ - TBO CLAIMS

URANIUM

239 SAMPLES

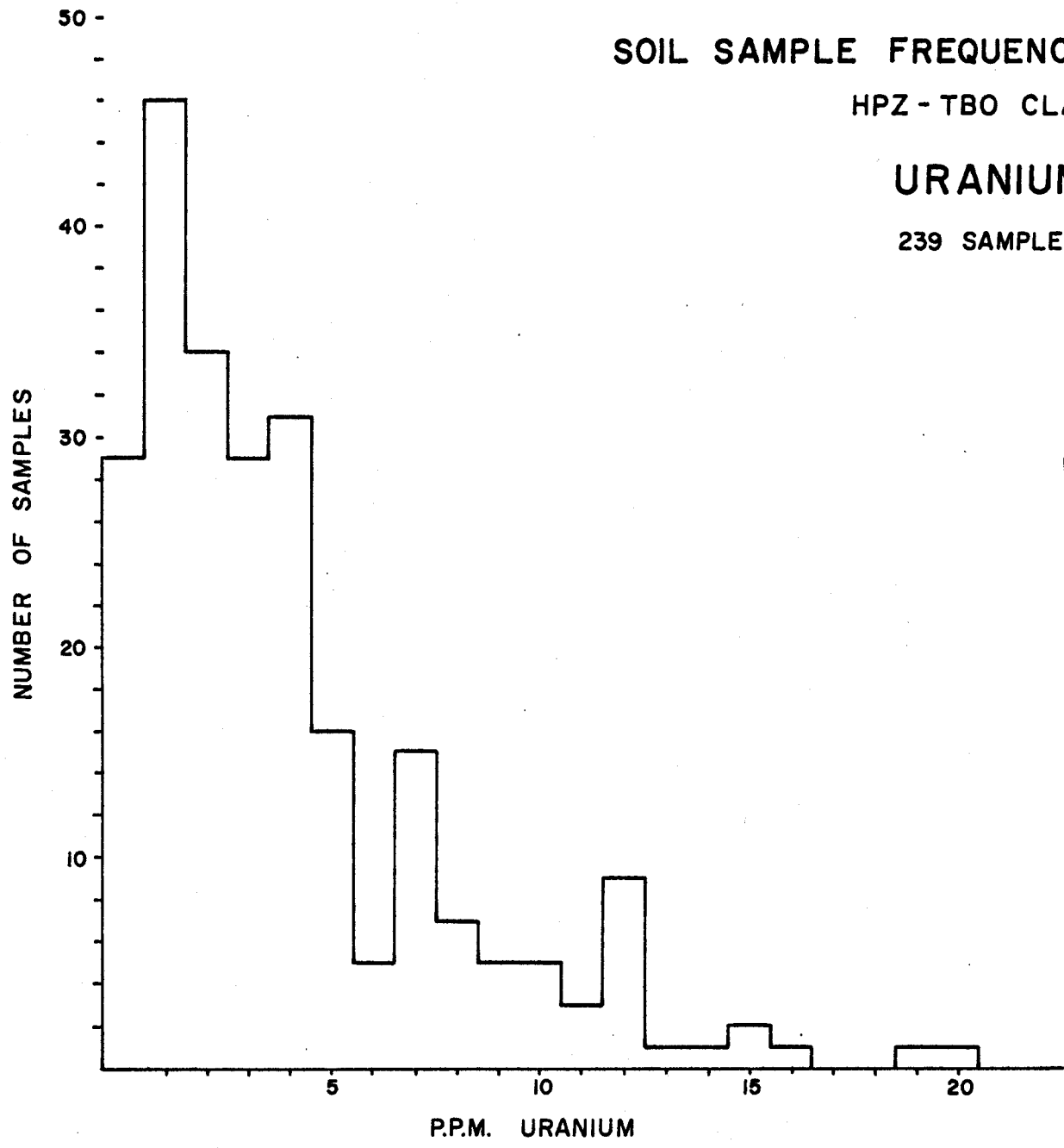


FIGURE 15

COMMENTS ON SPECTROMETER READINGS

A spectrometer was carried on some of the traverses to determine if any zones showed anomalous radioactivity. Readings were not taken at regular intervals. Total count (T₁) readings over Unit A were normally about 2,000 cpm but ranged from 1,300 cpm to 4,500 cpm. In marked contrast were the readings over Unit 3 where T₁ averaged approximately 8,500 cpm. Highly anomalous readings were not obtained anywhere on the property.

MINERALIZATION

Follow-up of anomalous stream sediment and soil samples did not disclose any syngenetic sulphide mineralization within the shale units except for very minor amounts of pyrite. Disseminated pyrite was observed in Unit D cherts and also in Unit E sills. In Unit A minor disseminated pyrite was noted at one location and at the eastern end of the property, near the contact with Unit C, streaks of very fine grained sulphides were seen in Unit A. A rock sample (LC9F) of material containing these sulphide streaks did not contain zinc, lead or copper values that could be considered anomalous.

The only other sulphides seen in the area were associated with widely scattered calcite and/or barite and/or quartz veins. Copper mineralization in quartz veins appears to be the most common type of vein mineralization. Sample LC9B (1374 ppm Cu) collected at the eastern end of the property from a small quartz vein contained chalcocite surrounded by malachite and azurite.

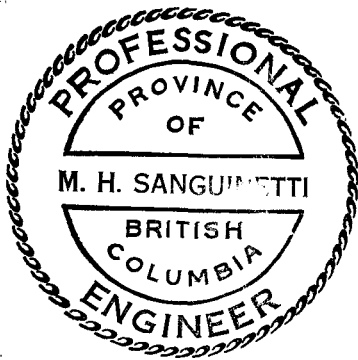
A zinc indicator solution was used while mapping and therefore hydrozincite, or at least secondary zinc minerals, could be readily recognized. Minor amounts of hydrozincite was noted in scattered zones across the property but the heaviest concentration seemed to be associated with two fault zones. Probably the most abundant hydrozincite on the property occurs in Unit A at the eastern end in the vicinity of a suspected fault and near the contact with Unit C. Secondary zinc minerals also occur in a white precipitate found in many creek beds.

A mineral commonly occurring on the property in Unit A rocks and associated calcite veins was identified as sylvanite ($3 \text{ Cu}_2\text{S V}_2\text{S}_3$). Hydrozincite and sylvanite commonly occur together.

SUMMARY AND CONCLUSIONS

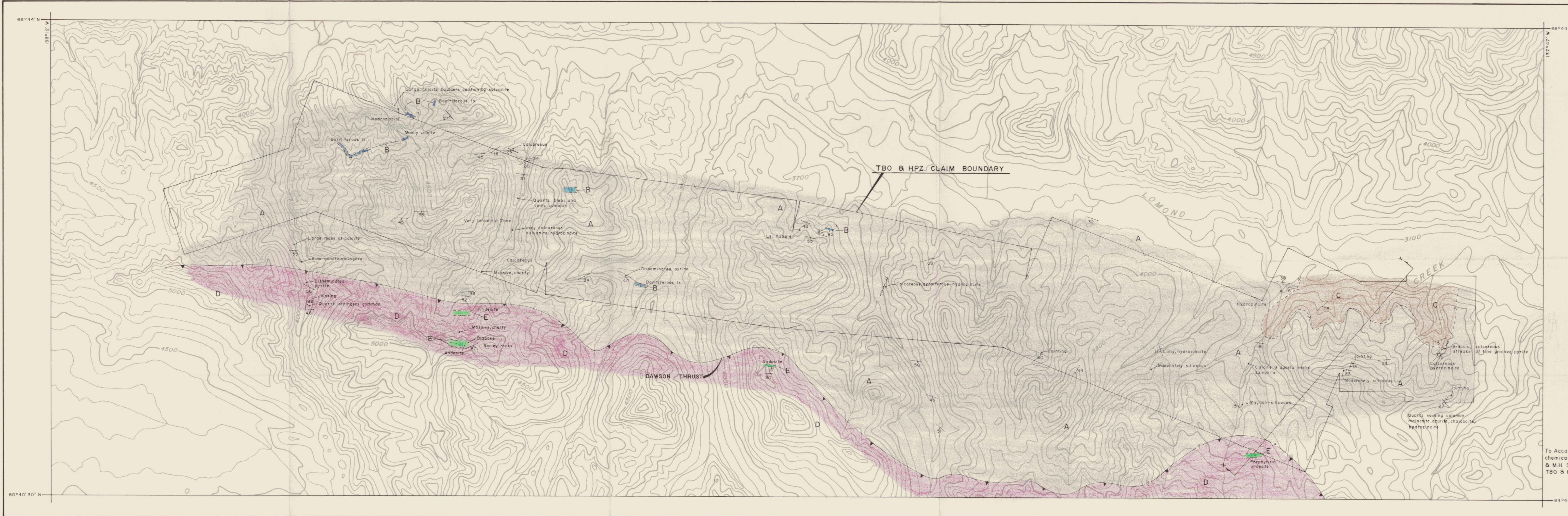
Geological and geochemical programs to date on the HPZ - TBO claim group have not resulted in the discovery of economic mineralization. The original exploration target on the property was for a syngenetic zinc, lead and copper deposit within the shale units. The fact that visible sulphides are almost lacking in the potential host rocks is, therefore, very disappointing. It is felt that secondary mineralization can explain the geochemical anomalies. For example, a sample of the white precipitate found in the creek beds contained 7,000 ppm zinc.

A hidden sulphide deposit is still a possibility but enough evidence has not been found to warrant further work. In view of competitor activity in the area, however, it is recommended that the work carried out on the claims be filed as assessment.

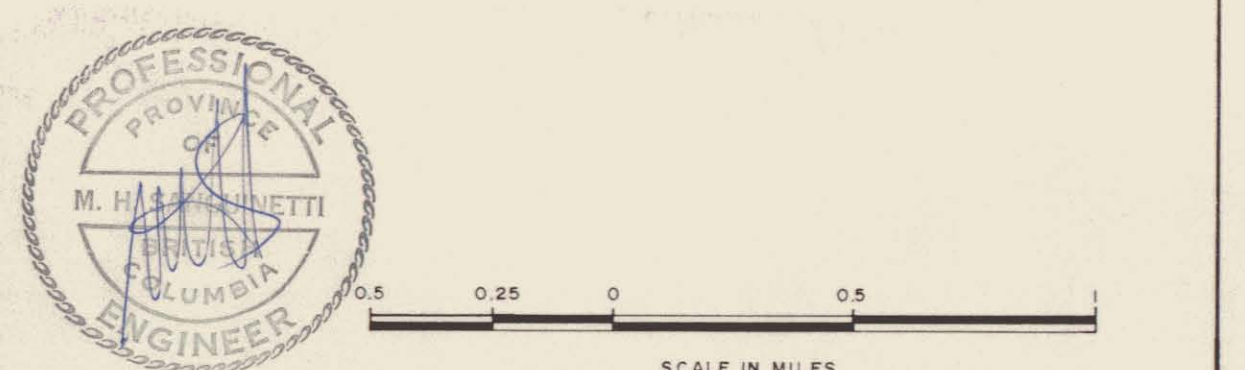
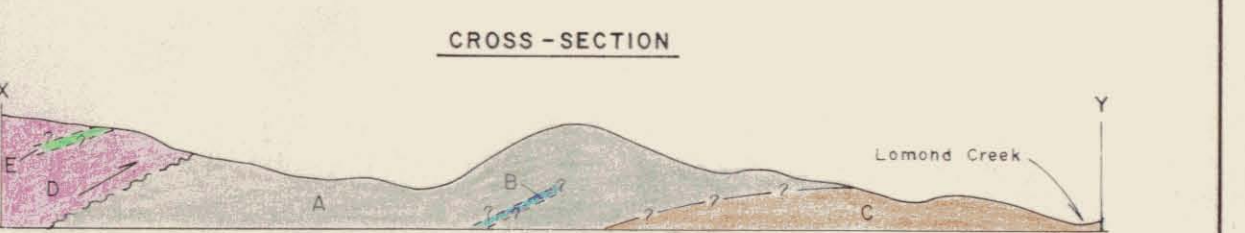


M. H. Sanguinetti
for *G. R. Foye*

July, 1977



- LEGEND**
 (Unit numbers referred to in the descriptions are those used in G.S.C. Memoir 364)
- A** Unit 13 (Devonian - Mississippian) Siliceous argillite which in many areas occurs as thin beds alternating with thin shale beds.
 - B** Limestone beds within Unit 13. Usually barroisiferous.
 - C** Unit 9 (Road River Formation) ? Thin, black, limy shales containing Lower Devonian graptolites.
 - D** Unit 9 (Road River Formation) Grey to green to black chert. Normally quite massive.
 - E** Unit 20 ? Volcanic sills within Unit 9 cherts.



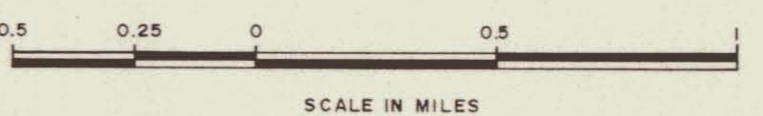
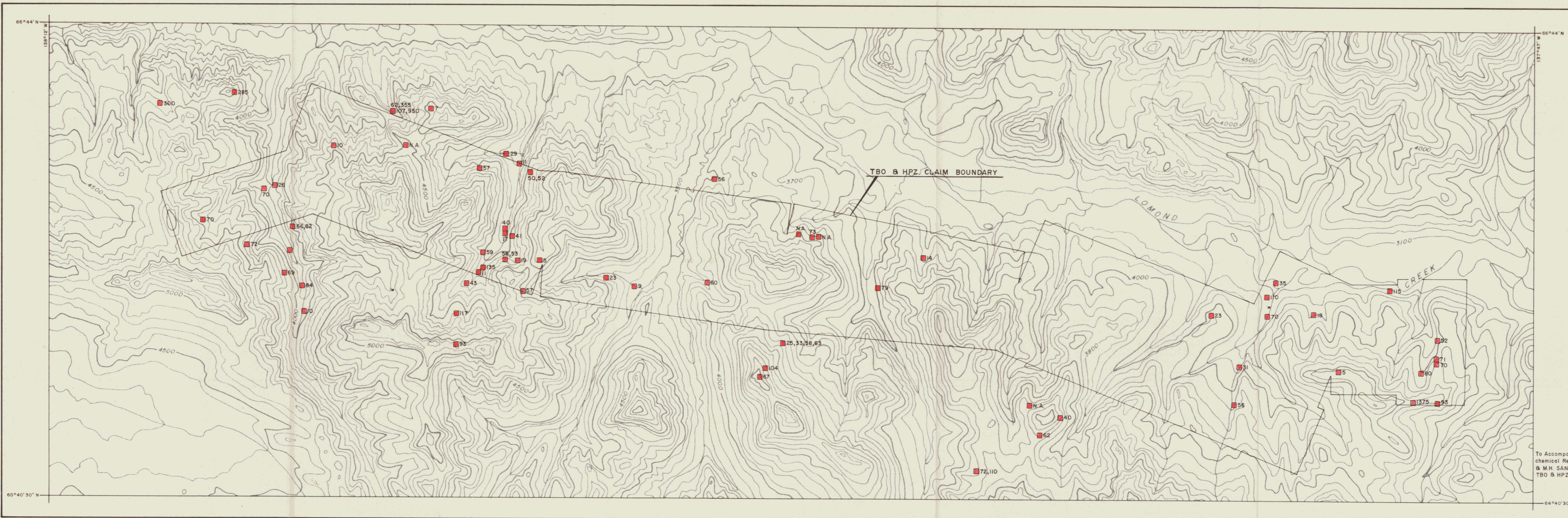
Getty Mines, Limited
 LOMOND CREEK PROPERTY
 MAYO MINING DISTRICT - YUKON TERRITORY

GEOLOGY MAP

By
 Cordilleran Engineering Ltd.
 Vancouver B.C.

To Accompany Geological & Geo-chemical Report By G.R. FOYE B.Sc. & M.H. SANGUINETTI, P.Eng. On The TBO & HPZ CLAIM GROUP.

DRAWN BY: T.M.	JOB No.	FIG No.
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DATE: JULY 1977		3
N.T.S.		



Getty Mines, Limited
 LOMOND CREEK PROPERTY
 MAYO MINING DISTRICT - YUKON TERRITORY

COPPER CONTENT OF ROCK SAMPLES

To Accompany Geological & Geo-chemical Report By G.R. FOYE B.Sc. & M.H. SANGUINETTI, P.Eng. On The TBO & HPZ CLAIM GROUP.

By
 Cordilleron Engineering Ltd.
 Vancouver B.C.

DRAWN BY: T.M.	JOB No.	FIG No.
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DATE: JULY 1977		
NTS.		7



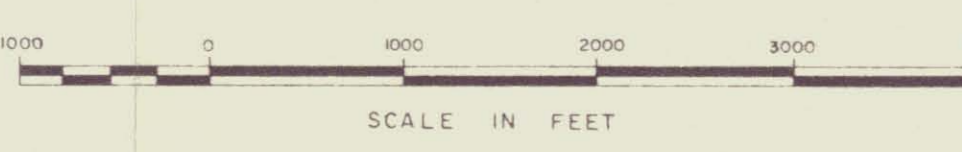
EXPLANATION

- APPROXIMATE LOCATION OF STREAM
- SOIL SAMPLE LOCATION AND NUMBER
- CLAIM POST LOCATION

GETTY MINING PACIFIC, LIMITED

**DAWSON - RICHARDSON PROJECT
SOIL SAMPLE LOCATION MAP**

LOMOND CREEK CLAIM GROUP
N.T.S. 106 A-12, 116B-9
MAYO MINING DISTRICT, YUKON TERRITORY



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TBC & HPZ CLAIM GROUP.

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VANCOUVER, B.C. V5C 2G8

JULY 1977

FIG. 8



ZINC CONCENTRATIONS IN PARTS PER MILLION

- BACKGROUND < 200
- ABOVE BACKGROUND 200 - 999
- POSSIBLY ANOMALOUS 900 - 1599
- ANOMALOUS 1400 - 3000
- STRONGLY ANOMALOUS > 3000

EXPLANATION

- APPROXIMATE LOCATION OF STREAM
- SOIL SAMPLE LOCATION AND ZINC CONTENT IN PPM
- CLAIM POST LOCATION

GETTY MINING PACIFIC, LIMITED

DAWSON - RICHARDSON PROJECT
ZINC CONTENT OF SOIL SAMPLES

LOMOND CREEK CLAIM GROUP
N.T.S. 106 A-12, 116 B-9
MAYO MINING DISTRICT, YUKON TERRITORY



To Accompany Geological & Geochemical Report By
G.R. FOYE B.Sc. & M.H. SANGUINETTI, P.Eng. On The
T80 & HP2 CLAIM GROUP.

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LEAD CONCENTRATIONS IN PARTS PER MILLION

- BACKGROUND < 19
- ABOVE BACKGROUND 19 - 38
- POSSIBLY ANOMALOUS 39 - 47
- ANOMALOUS 48 - 65
- STRONGLY ANOMALOUS > 65

EXPLANATION

- APPROXIMATE LOCATION OF STREAM
- SOIL SAMPLE LOCATION AND LEAD CONTENT IN PPM
- CLAIM POST LOCATION

GETTY MINING PACIFIC, LIMITED

DAWSON - RICHARDSON PROJECT

LEAD CONTENT OF SOIL SAMPLES

LOMOND CREEK CLAIM GROUP

N.T.S. 106 A-12, 116 B-9

MAYO MINING DISTRICT, YUKON TERRITORY



To Accompany Geological & Mechanical Report by G.P. FOYE, B.Sc. & M.H. SANQUINETTI, P.Eng. on the T80 & HPZ CLAIM GROUP.

BY
CORDILLE RAN ENGINEERING LIMITED
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JULY 1977

FIG. 10



COPPER CONCENTRATIONS IN PARTS PER MILLION

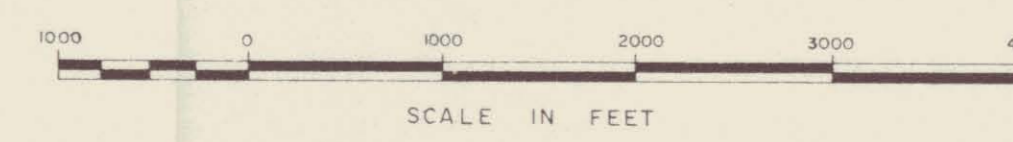
- BACKGROUND <math>< 60</math>
- ABOVE BACKGROUND 60 — 136
- POSSIBLY ANOMALOUS 137 — 174
- ANOMALOUS 175 — 250
- STRONGLY ANOMALOUS > 250

EXPLANATION

- APPROXIMATE LOCATION OF STREAM
- SOIL SAMPLE LOCATION AND COPPER CONTENT IN PPM
- CLAIM POST LOCATION

GETTY MINING PACIFIC, LIMITED
 DAWSON - RICHARDSON PROJECT
 COPPER CONTENT OF SOIL SAMPLES

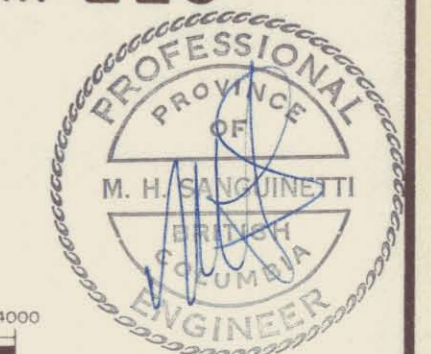
LOMOND CREEK CLAIM GROUP
 N.T.S. 106 A-12, 116 B-9
 MAYO MINING DISTRICT, YUKON TERRITORY



To Accompany Geological & Geochemical Report By
 DR. F. V. B. & M. H. SANGUINETTI, P. Eng. On The
 TRU & HZ CLAIM GROUP

BY
 CORDILLERAN ENGINEERING LIMITED
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 VANCOUVER, B.C. V6C 2G8

JULY 1977



APPENDIX A

REFERENCES

Chinneck, J. M. and Boyd, R. T.

1976: Private Report for Cordilleran Engineering Limited

Green, L. H.

1972: Geology of Nash Creek, Larsen Creek, and Dawson Map Areas,
Yukon Territory. G. S. C. Memoir 364

APPENDIX B

APPENDIX B

PERSONNEL

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G. R. Foye 1028 Moray Street Coquitlam, B. C.	Geologist
M. Robson #1418 - 355 Burrard Street Vancouver, B. C.	Assistant
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T. Turner #1418 - 355 Burrard Street Vancouver, B. C.	Assistant

APPENDIX C

LOMOND CREEK PROPERTY

CLAIM STATUS

Mayo Mining District

<u>CLAIM</u>	<u>TAG NUMBER</u>	<u>EXPIRY DATE</u>
HPZ 1-8	YA5886-YA5893	July 15, 1977
9-16	YA5894-YA5901	July 15, 1977
17-24	YA5902-YA5909	July 15, 1977
25-28	YA5910-YA5913	July 15, 1977
29-36	YA6965-YA6972	September 17, 1977
37-44	YA6973-YA6980	September 17, 1977
45-54	YA5914-YA5923	July 15, 1977
59	YA5924	July 15, 1977
60-67	YA6981-YA6988	September 17, 1977
68-75	YA6989-YA6996	September 17, 1977
76-83	YA5925-YA5932	July 15, 1977
TBO 1-32	YA5853-YA5884	July 15, 1977
33-40	YA6925-YA6932	September 17, 1977
41-46	YA6933-YA6938	September 17, 1977
47-54	YA6939-YA6946	September 17, 1977
59	YA5885	July 15, 1977
60-61	YA6947, YA6948	September 17, 1977
62-63	YA6949, YA6950	September 17, 1977
64-69	YA6951, YA6956	September 17, 1977
70-77	YA6957, YA6964	September 17, 1977

NOTE: Title held in trust
by Cordilleran Engineering Limited

APPENDIX D

ROCK SAMPLES FROM THE LOMOND CREEK AREA

<u>ROCK SAMPLE NUMBER</u>	<u>TAG NUMBER</u>	<u>Cu ppm</u>	<u>Pb ppm</u>	<u>Zn ppm</u>	<u>Ag ppm</u>	<u>U ppm</u>	<u>DESCRIPTION</u>
LC1A	2001	79	8	4000	1.6		Folded, calcareous shales, gypsiferous
LC1B	2002		5	312			Oolitic limestone. A 2' thick band.
LC1D	2003	73	5	1440	1.2		Interbedded siliceous argillites and shales
LC1E	2004		3	220	0.6		Siliceous argillite. Possibly baritiferous.
LC2A	2005	10	3	26	0.2		Siliceous, massive argillite.
LC2B	2006	84	2	64	1.2		Siliceous, massive argillite - Specks of pyrite.
LC2C	2007		6	670			Calcareous shale
LC2D	2008	26	9	112	0.3		Siliceous, massive argillite.
LC2E	2009		4	44	0.2		Limestone. Possibly baritiferous.
LC2F	2010		3	176	0.2		Carbonate layer.
LC3A	2011	11	2	8			Interbedded argillite and shale.
LC3B	2012	17	6	250	0.4		Folded, limonitic argillite.
LC3C	2013	41	5	1130			Calcareous and gypsiferous argillite.
LC3D	2014	11	6	53			Cherty argillite.
LC3E	2015	117	2	119	0.2		Andesite
LC3F	2016	93	2	76	0.2		A sill? consisting of small plagioclase crystals in a dark matrix.

<u>ROCK SAMPLE NUMBER</u>	<u>TAG NUMBER</u>	<u>Cu ppm</u>	<u>Pb ppm</u>	<u>Zn ppm</u>	<u>Ag ppm</u>	<u>U ppm</u>	<u>DESCRIPTION</u>
LC4A	2017	29	2	385			Calcareous argillite.
LC6A	2018	14	10	53			Interbedded argillite and shale.
LC6B	2019	23	4	22			Siliceous argillite.
LC7A	2020	5	4	8			Siliceous, massive argillite.
LC7B	2021	9	4	2650	0.2		Limestone. Possibly baritiferous.
LC7C	2022	23	4	155			Siliceous, folded argillite. Specks of pyrite nearby.
LC7D	2023	19	3	140			Interbedded argillite and shale. Calcareous.
LC8A	2024	56	11	196		17	Shaley, limy argillite.
LC9A	2025	5	13	7		0.4	Moderately to weakly siliceous, shale argillite.
LC9B	2026	1375	2	940			Quartz vein with malachite, azurite and possibly chalcocite.
LC9C	2027	93	10	230			Shaley, limy argillite.
LC9D	2028	70	6	1200			Interbedded argillite and shale. Calcareous.
LC9E	2029	46	42	1400			Brecciated argillite.
LC9F	2030	71	19	440			Massive to shaley, calcareous argillite. Streaks of very fine sulphide.

<u>ROCK SAMPLE NUMBER</u>	<u>TAG NUMBER</u>	<u>Cu ppm</u>	<u>Pb ppm</u>	<u>Zn ppm</u>	<u>Ag ppm</u>	<u>U ppm</u>	<u>DESCRIPTION</u>
LC10A	2031	35	10	296		16	Calcareous, moderately siliceous argillite
LC11B	2032	110	16	1560			Calcareous argillite.
LC11C	2033	70	12	350			Fossiliferous, black shales.
LC11D	2034	31	16	188			Massive, calcareous argillite. Sulvanite present.
LC12A	2035	67	2	36			Chert with minor disseminated pyrite.
LC12B	2036	104	2	100			Vesicular andesite with disseminated pyrite.
LC13A	2037	7	2	104	0.2		Limestone. Possibly baritiferous.

LOMOND CREEK AREA

ROCK SAMPLE NUMBER	% Cu	% Pb	% Total Zn	% Soluble Zn	ppm Ba	ppm V	ppm Mn	Other	DESCRIPTION
12217		<0.01	0.13	0.10					Siliceous argillite +Zn.
12219		<0.01	0.16	0.08					Heavy black shale.
12220		<0.01	0.14	0.12	3570	<u>18,000</u>	160		Chip-folded siliceous argillite +Zn.
12221		<0.01	0.06	0.02					Chip-folded siliceous argillite +Zn.
12222	0.01	<0.01	0.20	0.17					Chip-siliceous argillite +Zn.
12223		<0.01	0.35	0.31					Chip-folded siliceous argillite +Zn.
12224	0.03	23.07	8.92	6.04				2.36 oz Ag/t	Chip-18 inch calcite-sulphide vein.
12225		0.17	0.32	0.27					Black siliceous argillite.
12226		0.03	0.11	0.04					Pyritic baritiferous argillaceous limestone +Zn.
12227	0.03	0.01	0.37	0.30				<u>Cd %</u>	Chip-fractured black argillite +Zn.
12228		<0.02	0.15	0.13				<0.01	Limy argillites +Zn.
12229		<0.02	0.13	0.11				<0.01	Chip-black siliceous argillites.
12230		<0.02	0.11	0.10				<0.01	Black platy shale +Zn.
12231		0.01	0.65	0.20					Argillites with quartz veins +Zn.
12238	0.06	0.47	2.97	-					Unit 8 siliceous dolomite with sphalerite.

NOTE: +Zn means the rock sample had a positive reaction to the zinc indicator solution.
Significantly high analyses are underlined.

LOMOND CREEK AREA

ROCK SAMPLE NUMBER	Cu ppm	Pb ppm	Zn ppm	Ba ppm	V ppm	Mn ppm	Other	DESCRIPTION
C267A	30	24	280					Graptolitic fissile shales.
C452R	56	22	23	3500				Heavy silver weathering shales.
C463R	60	37	32					Heavy siliceous argillites.
C471R	57	120	112					Black cherty argillites near thrust.
C478R	43	88	45					Black siliceous argillites.
C481R	59	73	390					Rusty lithified talus +Zn.
C487R	57	20	66					Black siliceous shale.
C499A	62	20	2500					Black limy argillite +Zn.
C499E	355	13	1680					Rusty limy bed in interbedded argillites and shales.
C499H	107	14	3200					Chip-talus sample of fissile shales +Zn.
C499J	950	-	12600					Rusty fractured rock with quartz and malachite +Zn.
C499K	74	11	5400					Rusty heavy graphitic shale +Zn.
C508R	162	31	4000	3420				Black cherty argillites +Zn.
12207	4	<u>2800</u>	187	33038				Heavy baritiferous limestone
EE44R	54	24	4200	4480				Silicified Unit 8 dolomite.
EE44F	105	120	9600					Slightly mineralized silicified dolomite.
EE49R	70	20	110	7330				Heavy cherty argillites.
EE50R	72	20	20	5100				Heavy rusty siliceous argillites.
EE52R	69	20	300	2530	1500	165		Siliceous argillite.
EE53R	66	18	680	11440	1500			Chip-interbedded black shales and argillites
EE54R	82	20	920	1210	2050			Chip-interbedded black shales and argillites
EE57R	70	18	1300	4000	1000			Chip-folded siliceous argillite.
EE71	37	53	48					Chip-thin bedded rusty siliceous argillite.
EE74	123	26	1950					Chip-quartz veined and folded siliceous argillite.
EE107	78	10	3000					Black shales with mineralized veining +Zn.
EE111	25	7	95					Black rusty siliceous argillites.
EE112	33	17	40					Black rusty siliceous argillites.
EE113	58	9	81					Black rusty siliceous argillites - next to quartz vein.
EE114	63	21	69					Black rusty siliceous argillites - next to quartz vein.
RB39	40	28	40	1160				Heavy siliceous argillite.
RB40F	62	28	15				<5 ppb Au	Pyritic chert.
RB51C	58	18	500		520	250		Concretion in folded siliceous argillites +Zn.
RB51D	53	18	125			175		Heavy siliceous argillites +Zn.
RB53-O	40	20	15	1230				Heavy siliceous argillite.
RB57	50	20	92					Heavy argillaceous limestone +Zn.
RB57A	42	21	28	8750				Heavy siliceous argillite.
RB57B				12500				Heavy siliceous argillite.
RB61-O	80	27	2000	1280				Black graphitic fissile shales +Zn.
RB62	52	27	650	1070				Chip-black graphitic fissile shales +Zn.
RB91B	58							Volcanics interbedded with siliceous argillites.
RB92A	8	4	32	<u>259000</u>				Baritiferous limestone horizon in argillites.
RB92C	54	25	690	-				Graphitic limy fissile shales +Zn.
R21B	-	13	90					Heavy argillaceous limestone.
R101A	135	15	1550	2120				Chip-siliceous black shales +Zn.
R102A	42	19	83	1930	730	270		Black siliceous shale.
R104A	285	16	2200					Dark siliceous argillite +Zn.
R105A	18	26	24					Silver weathering siliceous argillite.
R106C	115	29	4020					Heavy limy argillite +Zn.
R107E	26	10	570					Siliceous fractured argillites +Zn.
R107F	-	8	1950					Black chert +Zn.
R114A	72	12	2200					Fissile black limy argillite +Zn.
R114B	110	37	2780					Fissile black limy argillite +Zn.

VEGETATION SAMPLE

C460V	150	27	6000					Green moss.
V508V	101	22	870					Green moss.

NOTE: +Zn means the rock sample had a positive reaction to the zinc indicator solution.

Significantly high analyses are underlined.

APPENDIX E



BONDAR JLEGG & COMPANY-LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEFAX: 24-1977 64-54554

Geochemical Lab Report

Extraction U, Hot HNO₃;
Cu, Pb, Zn, Ag, Hot Aqua Regia;

Report No. 27 - 304 PROJECT: DR-LOMOND Cr.

Method Cu, Pb, Zn, Ag, Atomic Absorption;
U, Fluorimetric

From Cordilleran Engineering Ltd.

Fraction Used _____

Date June 22, 19 77

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm	SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm
M 100	62	13	88	5	J 106	76	12	840	3
101	25	12	64	1	107	54	6	820	3
102	41	14	88	3	108	470	42	1900	4
103	73	12	52	8	109	37	10	460	2
104	68	20	48	7	110	62	8	520	7
105	80	19	90	6	111	36	12	118	3
106	74	20	162	7	112	105	14	1900	5
107	114	29	680	9	113	48	9	332	4
108	64	19	84	4	114	49	18	236	3
109	133	10	312	8	115	73	15	470	4
110	93	16	450	4	G 100	32	9	100	4
111	40	13	420	0.8	101	20	18	76	0.6
112	36	9	352	1	102	29	16	216	1
113	38	12	440	1	103	36	15	310	0.6
114	24	10	170	3	104	34	21	134	2
115	32	11	136	1	105	32	50	168	2
116	42	15	256	0.8	106	20	8	46	1
117	124	27	900	7	107	13	11	48	0.6
118	89	15	900	7	108	30	11	93	4
119	125	16	3400	4	109	22	19	100	1
120	87	11	4000	4	110	17	14	66	0.2
121	167	19	2600	5	111	26	16	110	1
122	40	9	400	3	112	27	13	69	0.6
123	88	10	1800	5	113	38	10	184	1
J 100	65	14	73	4	114	47	16	138	2
101	104	21	126	6	115	13	10	66	<0.2
102	106	16	640	7	116	33	11	104	0.8
103	89	16	88	5	117	23	9	98	0.6
104	64	17	102	3	118	14	12	121	1
105	109	14	340	5	119	17	13	104	2

BONDAR-C' EGG & COMPANY LTD.

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SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm	SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm
G 120	25	14	80	3	G 155	62	12	196	7
121	39	16	118	3	156	66	7	580	3
122	39	17	140	2	157	44	14	1940	8
123	38	9	96	3	158	18	6	200	0.8
124	20	10	105	1	159	53	14	256	2
125	24	10	122	1	160	148	12	24	1
126	42	8	380	4	161	25	16	40	1
127	48	8	140	6	162	127	13	104	16
128	67	10	360	5	163	96	12	64	12
129	17	6	72	1	164	67	11	100	4
130	21	9	96	2	165	51	14	142	2
131	116	6	22	9	166	73	23	131	3
132	10	6	78	0.4	167	43	16	77	2
133	18	9	80	1	168	20	11	48	1
134	5	6	14	0.8	169	33	8	194	3
135	20	8	62	1	170	7	4	88	0.4
136	17	10	48	1	171	19	5	74	1
137	18	15	76	1	172	18	11	100	3
138	21	11	62	1	173	23	12	92	3
139	27	12	110	2	174	60	15	129	2
140	32	13	54	3	175	42	11	202	1
141	22	8	76	2	176	36	15	54	2
142	72	10	368	3	177	38	15	66	1
143	64	10	400	2	178	58	14	112	1
144	47	10	180	4	179	30	14	134	0.6
145	61	8	181	4	180	20	8	52	1
146	83	8	580	7	181	13	10	40	0.8
147	118	9	520	7	182	21	10	54	1
148	182	9	270	5	183	26	10	44	1
149	61	16	116	3	184	15	13	36	0.2
150	38	17	56	1	185	72	30	196	4
151	46	7	27	1	186	70	16	125	4
152	36	10	24	3	187	48	19	106	4
153	46	11	32	2	188	46	12	82	2
154	20	5	288	2	189	23	14	56	2

BONDAR-C' EGG & COMPANY LTD.

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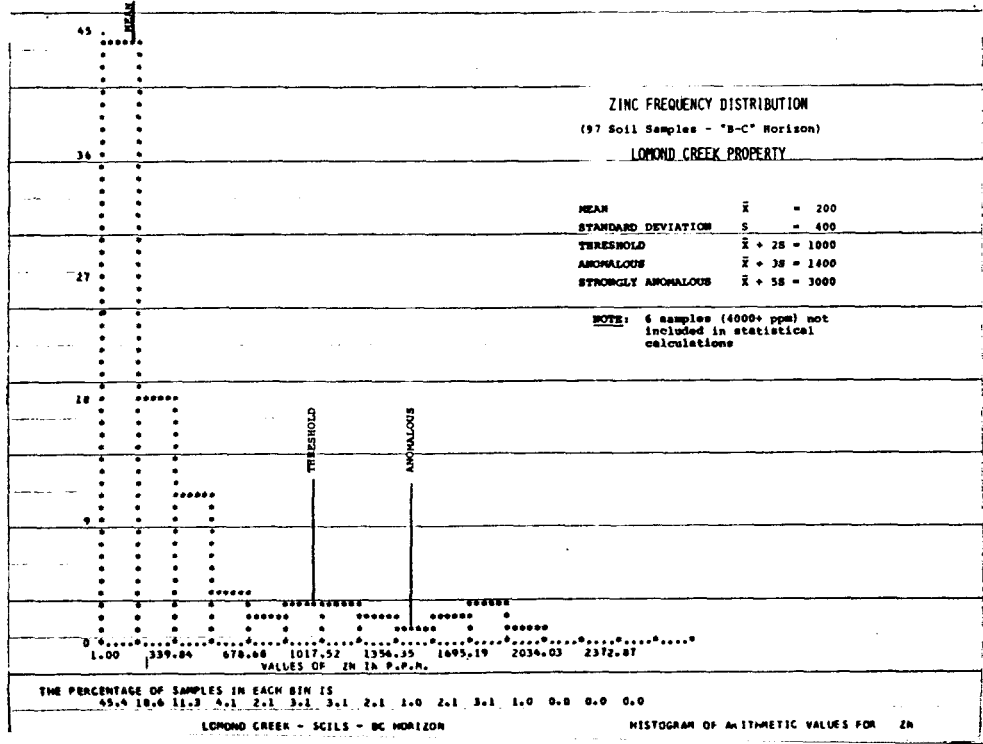
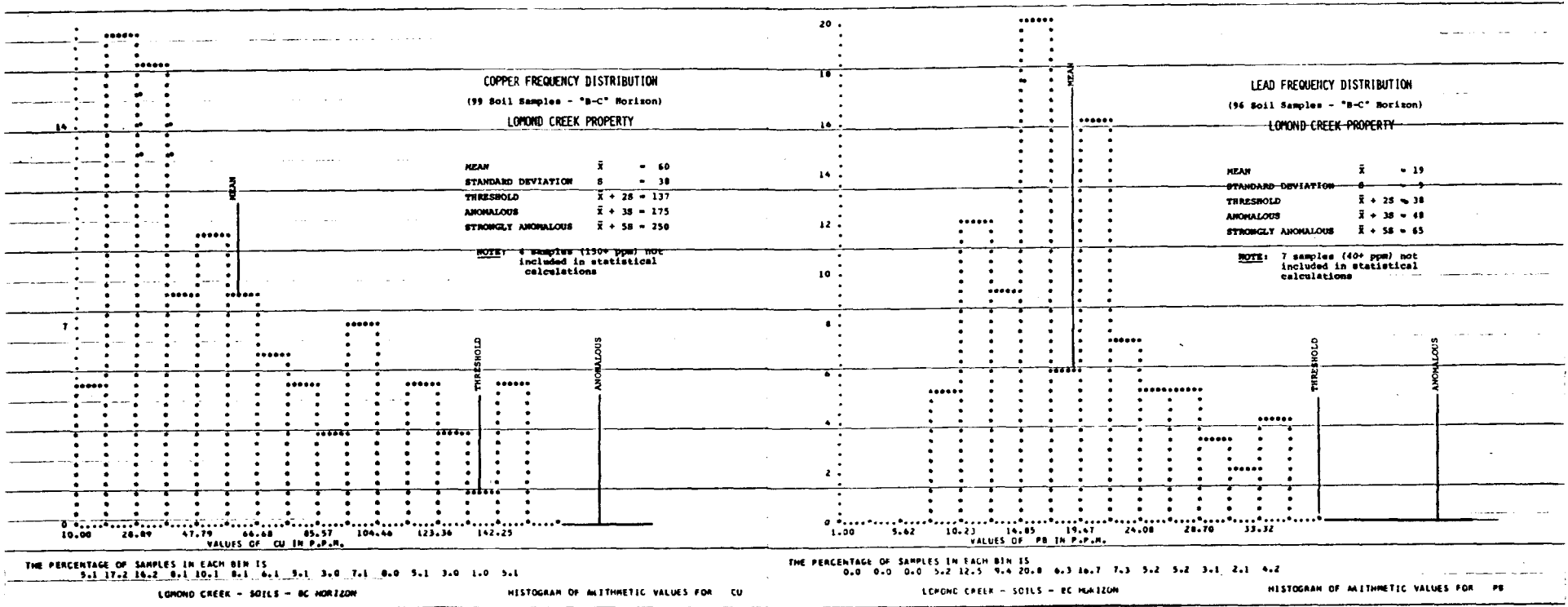
SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm	SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm
G 190	40	15	86	3	G 225	18	11	84	3
191	25	11	44	4	226	42	14	400	7
192	10	10	40	2	227	13	3	75	2
193	33	18	120	2	228	45	12	285	12
194	31	17	32	3	229	26	12	256	4
195	30	14	33	4	230	36	2	278	2
196	23	22	28	1	231	80	9	650	12
197	13	11	28	1	232	13	12	238	1
198	35	17	8	2	233	51	15	362	1
199	20	14	16	2	234	109	30	1060	5
200	53	22	4	3	235	31	11	316	4
201	13	10	38	0.8	236	111	14	1040	15
202	17	16	48	2	237	70	8	410	2
203	44	11	81	2	238	71	17	600	2
204	36	13	164	3	239	125	12	3600	8
205	104	21	440	5	240	93	23	3200	7
206	47	18	144	0.4	241	92	8	1360	5
207	97	18	340	2	242	43	10	360	3
208	33	10	52	0.8	243	38	14	49	4
209	42	18	164	0.2	244	30	13	26	1
210	48	8	178	<0.2	245	24	13	22	1
211	20	12	85	<0.2	246	37	39	6	1
212	23	12	36	0.8	247	46	15	224	9
213	17	9	44	<0.2	248	93	28	160	5
214	94	13	2300	4	249	74	13	232	12
215	154	14	4800	7	250	65	19	212	4
216	173	15	6800	12	251	50	13	240	4
217	132	16	5000	7	252	24	7	48	1
218	114	14	3000	12	253	77	6	264	11
219	54	10	1700	4	254	30	10	198	5
220	128	13	3500	4	255	35	8	276	2
221	43	11	620	12	256	165	13	4000	3
222	36	10	364	6	257	282	16	12000	11
223	55	10	336	19	258	210	12	5500	5
224	66	11	360	5	259	56	6	4000	4

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SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	U ppm	Ag ppm		REMARKS
G 260	36	4	180	4	-		
261	113	12	2400	20	-		
262	72	11	3400	10	-		
263	172	12	7000	7	-		
264	284	15	12000	10	-		
265	236	210	8600	12	-		
266	90	28	3000	14	-		
267	268	17	7300	15	-		
268	49	7	950	12	-		
269	96	13	1000	10	-		
270	94	15	1080	10	-		
271	75	6	1000	10	-		
272	138	14	3600	9	-		
273	50	4	1500	11	-		
274	105	10	4300	8	-		
275	121	10	3000	13	-		
276	38	11	264	1	-		
277	15	4	224	1	-		
278 A	252	16	10200	9	-		
278 B	48	8	650	3	-		
Rocks 2018	14	10	53	-	-		
2019	23	4	22	-	-		
2020	5	4	8	-	-		
2021	9	4	2650	-	0.2		
2022	23	4	155	-	-		
2023	19	3	140	-	-		
2024	56	11	196	17	-		
2025	5	13	7	0.4	-		
2026	1375	2	940	-	-		
2027	93	10	230	-	-		
2028	70	6	1200	-	-		
2030	71	19	440	-	-		
2031	35	10	296	16	-		
2032	110	16	1560	-	-		
2033	70	12	350	-	-		
2034	31	16	188	-	-		cc Cordilleran - Dawson



CCRDILLERAN ENGINEERING LIMITED

LOMOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS	PERCENT ORGANIC C	PPM CU	PPM PB	PPM ZN	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB (H ₂ O)	PPM W	TYPE	AREA	HN	REMARKS
D00566	13	100	NS	NS	NS								2	L	A	
D00332	13	0	00025.	00021	00005.								2	L	A	
D00336	13	0	00028.	00018	00056.								2	L	A	
D00337	13	0	00042.	00020	00054.								2	L	A	
D00403	13	100	00015.	00026	00046.								2	L	A	
D00409	13	100	00055.	00014	00230.								2	L	A	
D00415	13	50	00028.	00008	00060.								2	L	A	
D00416	13	50	00008.	00020	00020.								2	L	A	
D00549	13	100	00033.	00017	00570.								2	L	A	
D00580	13	0	00031.	00014	00044.								2	L	A	
D00595	13	0	00024.	00009	00088.								2	L	A	
D00381	13	50	00016.	00019	00155.								2	L	AB	
D00519	13	50	00056.	00013	00640.								2	L	AC	
D00530	13	0	00076.	00011	01420.								2	L	AC	
D00548	13	50	00016.	00012	00075.								2	L	AC	
D00620	13	0	00127.	00023	08000.								2	L	AC	
D00162	13	0	00137.	00018	01500.								2	L	B	
D00163	13	0	00250.	00018	07500.								2	L	B	
D00168	13	0	00025.	00012	00205.								2	L	B	
D00284	13	0	00125.	00030	00080.								2	L	B	
D00291	13	0	00021.	00013	00049.								2	L	B	
D00297	13	10	00040.	00027	00165.								2	L	B	
D00298	13	0	00029.	00020	00103.								2	L	B	
D00299	13	0	00035.	00019	00090.								2	L	B	
D00300	13	0	00027.	00024	00165.								2	L	B	
D00305	13	0	00072.	00020	00185.								2	L	B	
D00321	13	0	00067.	00012	00970.								2	L	B	
D00322	13	0	00028.	00056	01420.								2	L	B	
D00323	13	0	00104.	00014	04600.								2	L	B	
D00324	13	0	00107.	00017	01900.								2	L	B	
D00325	13	0	00028.	00014	00025.								2	L	B	
D00328	13	0	00029.	00013	00320.								2	L	B	
D00329	13	0	00055.	00025	00039.								2	L	B	
D00338	13	0	00016.	00017	00042.								2	L	B	
D00339	13	0	00062.	00019	00165.								2	L	B	
D00340	13	0	00183.	00022	00680.								2	L	B	
D00341	13	0	00129.	00050	00280.								2	L	B	
D00342	13	0	00164.	00055	00190.								2	L	B	
D00343	13	0	00059.	00016	00100.								2	L	B	
D00348	13	0	00044.	00014	00265.								2	L	B	
D00347	13	0	00018.	00017	00120.								2	L	B	
D00349	13	0	00028.	00014	00245.								2	L	B	
D00350	13	0	00018.	00013	00105.								2	L	B	
D00355	13	0	00030.	00012	00275.								2	L	B	
D00360	13	0	00053.	00040	00120.								2	L	B	
D00361	13	0	00020.	00012	00170.								2	L	B	
D00362	13	0	00035.	00017	00330.								2	L	B	
D00363	13	0	00021.	00014	00115.								2	L	B	
D00364	13	0	00062.	00013	00240.								2	L	B	
D00365	13	0	00030.	00012	00145.								2	L	B	
D00366	13	0	00029.	00017	00210.								2	L	B	

CORDILLERAN ENGINEERING LIMITED

LONDOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS(S)	PERCENT ORGANIC	PPM CU	PPM PB	PPM ZN	PPM BA	PPM MG	PPM AS	PPM V	PPM U	PPB U(H2O)	PPM W	TYPE	AREA	HN	REMARKS
DJ0367	13	0	00038.	00017	00200.								2	L	B	
D00368	13	0	00077.	00020	00520.								2	L	B	
D00372	13	0	00020.	00013	00395.								2	L	B	
DJ0373	13	0	00028.	00014	00300.								2	L	B	
DJ0374	13	0	00018.	00048	00315.								2	L	B	
D00375	13	0	00013.	00019	00260.								2	L	B	
DJ0376	13	0	00047.	00016	00580.								2	L	B	
D00378	13	0	00075.	00036	00295.								2	L	B	
D00379	13	0	00068.	00020	00440.								2	L	B	
D00380	13	0	00026.	00020	00150.								2	L	B	
D00382	13	0	00026.	00029	00155.								2	L	B	
DJ0383	13	0	00034.	00015	00175.								2	L	B	
D00384	13	0	00020.	00012	00112.								2	L	B	
D00385	13	0	00020.	00016	00150.								2	L	B	
D00386	13	0	00028.	00017	00105.								2	L	B	
D00387	13	0	00030.	00015	00100.								2	L	B	
D00388	13	0	00007.	00012	00060.								2	L	B	
D00389	13	100	00019.	00014	00107.								2	L	B	
D00390	13	0	00019.	00012	00080.								2	L	B	
D00391	13	0	00014.	00012	00075.								2	L	B	
D00393	13	0	00042.	00018	00092.								2	L	B	
D00394	13	0	00010.	00011	00060.								2	L	B	
DJ0395	13	0	00023.	00012	00077.								2	L	B	
D00397	13	0	00013.	00013	00160.								2	L	B	
D00399	13	0	00026.	00011	00065.								2	L	B	
D00400	13	0	00035.	00026	00145.								2	L	B	
D00401	13	0	00054.	00023	00110.								2	L	B	
D00404	13	0	00026.	00016	00076.								2	L	B	
D00405	13	0	00023.	00012	00030.								2	L	B	
D00406	13	30	00026.	00013	00235.								2	L	B	
D00407	13	10	00051.	00016	00095.								2	L	B	
D00408	13	0	00066.	00008	00205.								2	L	B	
D00421	13	30	00014.	00009	00045.								2	L	B	
DJ0422	13	30	00016.	00011	00068.								2	L	B	
D00423	13	10	00017.	00011	00068.								2	L	B	
D00424	13	0	00005.	00006	00025.								2	L	B	
D00425	13	0	00019.	00010	00155.								2	L	B	
D00426	13	0	00015.	00011	00065.								2	L	B	
D00426	13	0	00014.	00010	00065.								2	L	B	
D00429	13	0	00013.	00008	00064.								2	L	B	
D00430	13	10	00018.	00012	00100.								2	L	B	
D00431	13	0	00022.	00019	00130.								2	L	B	
D00432	13	0	00034.	00012	00165.								2	L	B	
D00434	13	0	00033.	00014	00125.								2	L	B	
D00436	13	0	00043.	00012	00045.								2	L	B	
D00438	13	0	00054.	00014	00042.								2	L	B	
D00446	13	0	00041.	00014	00010.								2	L	B	
D00450	13	0	00023.	00012	00055.								2	L	B	
D00452	13	50	00024.	00008	00028.								2	L	B	
D00453	13	50	00016.	00009	00075.								2	L	B	
D00462	13	0	00022.	00011	01460.								2	L	B	

CCRDILLERAN ENGINEERING LIMITED

LCMOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK ANALYSIS	PERCENT ORGANIC	PPM CL	PPM FB	PPM ZD	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB (H ₂ O)	PPM W	TYPE	AREA	HN	REMARKS
D00463	13	0	00124.	00008	01860.								2	L	B	
D00464	13	0	00066.	00012	01420.								2	L	B	
D00466	13	0	00032.	00010	00170.								2	L	B	
D00467	13	0	00018.	00008	00145.								2	L	B	
D00468	13	0	00047.	00010	00380.								2	L	B	
D00470	13	20	00060.	00017	00700.								2	L	B	
D00471	13	10	00025.	00009	00175.								2	L	B	
D00472	13	0	00028.	00012	00250.								2	L	B	
D00473	13	0	00037.	00012	00560.								2	L	B	
D00474	13	0	00045.	00011	01360.								2	L	B	
D00475	13	0	00064.	00011	02400.								2	L	B	
D00477	13	10	00039.	00006	00275.								2	L	B	
D00478	13	0	00037.	00007	00500.								2	L	B	
D00479	13	0	00107.	00022	00245.								2	L	B	
D00481	13	0	00046.	00028	00115.								2	L	B	
D00482	13	0	00019.	00011	00125.								2	L	B	
D00483	13	0	00027.	00010	00075.								2	L	B	
D00484	13	30	00019.	00009	00049.								2	L	B	
D00485	13	0	00020.	00010	00073.								2	L	B	
D00486	13	0	00021.	00010	00048.								2	L	B	
D00486	13	0	00012.	00011	00030.								2	L	B	
D00489	13	20	00024.	00005	00065.								2	L	B	
D00490	13	0	00018.	00010	00050.								2	L	B	
D00491	13	0	00018.	00010	00050.								2	L	B	
D00492	13	20	00012.	00010	00022.								2	L	B	
D00493	13	10	00009.	00010	00032.								2	L	B	
D00494	13	0	00022.	00011	00125.								2	L	B	
D00495	13	20	00020.	00010	00050.								2	L	B	
D00496	13	0	00016.	00009	00066.								2	L	B	
D00497	13	30	00034.	00011	00038.								2	L	B	
D00498	13	0	00031.	00012	00094.								2	L	B	
D00499	13	0	00018.	00011	00053.								2	L	B	
D00500	13	0	00025.	00013	00073.								2	L	B	
D00504	13	0	00016.	00011	00068.								2	L	B	
D00505	13	0	00126.	00013	00190.								2	L	B	
D00506	13	0	00040.	00009	00205.								2	L	B	
D00507	13	0	00057.	00014	00032.								2	L	B	
D00508	13	0	00029.	00016	00100.								2	L	B	
D00509	13	0	00100.	00014	00450.								2	L	B	
D00510	13	0	00060.	00017	00540.								2	L	B	
D00512	13	0	00163.	00016	00890.								2	L	B	
D00513	13	0	00091.	00012	01920.								2	L	B	
D00514	13	0	00114.	00014	00360.								2	L	B	
D00539	13	0	00061.	00011	00550.								2	L	B	
D00540	13	0	00041.	00017	00625.								2	L	B	
D00560	13	0	00054.	00010	00150.								2	L	B	
D00562	13	0	00062.	00010	00340.								2	L	B	
D00563	13	0	00066.	00010	00280.								2	L	B	
D00564	13	0	00022.	00008	00056.								2	L	B	
D00565	13	0	00047.	00016	00155.								2	L	B	
D00567	13	0	00039.	00007	00066.								2	L	B	

CODILLERAN ENGINEERING LIMITED

LCMEND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS	PERCENT ORGANIC	PPM CL	PPM PB	PPM ZN	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB U(F2C)	PPM W	TYPE	AREA	HN	REMARKS
D00568	13	0	00074.	00012	00110.								2	L	B	
D00572	13	20	00056.	00019	02600.								2	L	B	
D00574	13	0	00170.	00022	00430.								2	L	B	
D00575	13	0	00093.	00034	00125.								2	L	B	
D00577	13	0	00020.	00010	00090.								2	L	B	
D00578	13	0	00027.	00012	00055.								2	L	B	
D00579	13	0	00012.	00010	00042.								2	L	B	
D00586	13	0	00007.	00016	00045.								2	L	B	
D00587	13	0	00018.	00015	00035.								2	L	B	
D00589	13	0	00074.	00018	00145.								2	L	B	
D00591	13	0	00037.	00017	00090.								2	L	B	
D00593	13	0	00025.	00012	00174.								2	L	B	
D00598	13	0	00025.	00014	00355.								2	L	B	
D00599	13	0	00024.	00017	00120.								2	L	B	
D00601	13	0	00012.	00010	00042.								2	L	B	
D00602	13	0	00053.	00021	00082.								2	L	B	
D00603	13	0	00015.	00009	00067.								2	L	B	
D00604	13	30	00010.	00011	00046.								2	L	B	
D00605	13	0	00013.	00010	00048.								2	L	B	
D00606	13	0	00009.	00009	00098.								2	L	B	
D00607	13	20	00036.	00012	00185.								2	L	B	
D00608	13	0	00036.	00010	00195.								2	L	B	
D00609	13	0	00042.	00013	00245.								2	L	B	
D00610	13	0	00016.	00011	00118.								2	L	B	
D00611	13	0	00033.	00012	00205.								2	L	B	
D00612	13	50	00031.	00012	00220.								2	L	B	
D00613	13	0	00033.	00010	00255.								2	L	B	
D00614	13	0	00051.	00010	00385.								2	L	B	
D00621	13	0	00036.	00011	00270.								2	L	B	
D00622	13	0	00025.	00010	00245.								2	L	B	
D00623	13	0	00078.	00016	00930.								2	L	B	
D00624	13	0	00051.	00010	00355.								2	L	B	
D00625	13	0	00028.	00009	00225.								2	L	B	
D00626	13	0	00016.	00010	00159.								2	L	B	
D00627	13	0	00036.	00018	00620.								2	L	B	
D00628	13	0	00013.	00006	00215.								2	L	B	
D00629	13	20	00056.	00014	00345.								2	L	B	
D00630	13	0	00036.	00015	00460.								2	L	B	
D00631	13	0	00039.	00010	00270.								2	L	B	
D00632	13	0	00004.	00006	00037.								2	L	B	
D00633	13	0	00013.	00007	00116.								2	L	B	
D00170	13	50	00049.	00021	00180.								2	L	BC	
D00171	13	10	00130.	00025	00590.								2	L	BC	
D00172	13	20	00100.	00020	01040.								2	L	BC	
D00175	13	30	00075.	00080	00130.								2	L	BC	
D00276	13	100	00092.	00033	00190.								2	L	BC	
D00277	13	50	00063.	00028	00190.								2	L	BC	
D00279	13	0	00132.	00016	00600.								2	L	BC	
D00280	13	10	00074.	00017	00140.								2	L	BC	
D00281	13	10	00050.	00037	00365.								2	L	BC	
D00282	13	0	00060.	00034	00260.								2	L	BC	

APPENDIX "H" LXVII

LOMOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS(S)	PERCENT CEGALIC	PPM CU	PPM PB	PPM ZN	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB UH2C1	PPM W	TYPE	AREA	HN	REMARKS
D00283	13	0	00023.	00013	00069.								2	L	BC	
D00285	13	50	00030.	00016	00073.								2	L	BC	
D00286	13	0	00025.	00014	00225.								2	L	BC	
D00287	13	10	00022.	00010	00098.								2	L	BC	
D00288	13	30	00035.	00019	00112.								2	L	BC	
D00289	13	0	00115.	00031	00690.								2	L	BC	
D00290	13	0	00053.	00033	00160.								2	L	BC	
D00292	13	10	00055.	00013	00113.								2	L	BC	
D00293	13	0	00041.	00013	00075.								2	L	BC	
D00294	13	0	00029.	00011	00165.								2	L	BC	
D00295	13	0	00019.	00016	00085.								2	L	BC	
D00296	13	0	00024.	00016	00140.								2	L	BC	
D00301	13	0	00033.	00043	00060.								2	L	BC	
D00302	13	0	00029.	00028	00073.								2	L	BC	
D00303	13	0	00029.	00024	00055.								2	L	BC	
D00304	13	0	00023.	00021	00018.								2	L	BC	
D00306	13	0	00020.	00016	00036.								2	L	BC	
D00307	13	0	00034.	00020	00045.								2	L	BC	
D00308	13	0	00148.	00027	00250.								2	L	BC	
D00309	13	0	00039.	00024	00135.								2	L	BC	
D00310	13	100	00045.	00045	00160.								2	L	BC	
D00311	13	0	00039.	00021	01020.								2	L	BC	
D00312	13	0	00104.	00015	04050.								2	L	BC	
D00313	13	0	00078.	00011	03000.								2	L	BC	
D00314	13	0	00041.	00012	01220.								2	L	BC	
D00315	13	0	00063.	00014	01900.								2	L	BC	
D00316	13	20	00115.	00017	03900.								2	L	BC	
D00317	13	10	00033.	00019	00635.								2	L	BC	
D00318	13	10	00037.	00015	00650.								2	L	BC	
D00319	13	10	00046.	00013	01110.								2	L	BC	
D00345	13	0	00018.	00020	00038.								2	L	BC	
D00348	13	0	00031.	00020	00170.								2	L	BC	
D00351	13	0	00028.	00011	00280.								2	L	BC	
D00352	13	0	00049.	00020	00315.								2	L	BC	
D00353	13	0	00029.	00024	00120.								2	L	BC	
D00354	13	0	00050.	00026	00225.								2	L	BC	
D00356	13	0	00099.	00058	00460.								2	L	BC	
D00357	13	0	00072.	00020	01540.								2	L	BC	
D00369	13	0	00130.	00016	01720.								2	L	BC	
D00377	13	0	00063.	00016	01800.								2	L	BC	
D00392	13	0	00051.	00020	00135.								2	L	BC	
D00398	13	0	00020.	00026	00012.								2	L	BC	
D00402	13	0	00046.	00022	00110.								2	L	BC	
D00410	13	30	00051.	00014	00690.								2	L	BC	
D00411	13	0	00074.	00015	00540.								2	L	BC	
D00412	13	50	00026.	00010	01240.								2	L	BC	
D00413	13	10	00076.	00009	04750.								2	L	BC	
D00414	13	0	00021.	00035	00115.								2	L	BC	
D00417	13	0	00058.	00024	00320.								2	L	BC	
D00418	13	0	00030.	00016	00320.								2	L	BC	
D00419	13	0	00056.	00021	00400.								2	L	BC	

CORDILLERAN ENGINEERING LIMITED

LCMCD CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS(S)	PERCENT ORGANIC	PPM CU	PPM PB	PPM ZN	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB U(F2O)	PPM H	TYPE	AREA	THN	REMARKS
D00420	13	50	00014.	00012	00095.								2	L	BC	
D00427	13	0	00018.	00011	00065.								2	L	BC	
D00433	13	0	00029.	00016	00340.								2	L	BC	
D00435	13	0	00116.	00018	00130.								2	L	BC	
D00437	13	0	000390.	00019	00360.								2	L	BC	
D00439	13	0	00022.	00016	00068.								2	L	BC	
D00440	13	0	00103.	00015	00360.								2	L	BC	
D00441	13	0	00103.	00040	00095.								2	L	BC	
D00442	13	0	00006.	00020	00130.								2	L	BC	
D00443	13	0	00033.	00020	00020.								2	L	BC	
D00444	13	0	00143.	00020	00285.								2	L	BC	
D00445	13	0	00062.	00023	00050.								2	L	BC	
D00447	13	0	00064.	00020	00200.								2	L	BC	
D00448	13	0	00057.	00012	00035.								2	L	BC	
D00449	13	0	00026.	00012	00015.								2	L	BC	
D00451	13	0	00082.	00023	00200.								2	L	BC	
D00454	13	0	00025.	00034	00005.								2	L	BC	
D00455	13	0	00028.	00055	00030.								2	L	BC	
D00456	13	0	00097.	00073	00011.								2	L	BC	
D00457	13	30	00118.	00031	00210.								2	L	BC	
D00458	13	0	000510.	00028	>20000.								2	L	BC	
D00460	13	0	00116.	00013	02600.								2	L	BC	
D00461	13	80	00146.	00012	>04700.								2	L	BC	
D00465	13	0	00043.	00012	00900.								2	L	BC	
D00469	13	0	00089.	00027	00820.								2	L	BC	
D00476	13	0	00046.	00008	00255.								2	L	BC	
D00480	13	0	00015.	00011	00038.								2	L	BC	
D00487	13	0	00034.	00015	00060.								2	L	BC	
D00536	13	0	00084.	00063	00480.								2	L	BC	
D00537	13	0	00146.	00026	00460.								2	L	BC	
D00553	13	0	000195.	00035	01460.								2	L	BC	
D00554	13	0	000240.	00019	007600.								2	L	BC	
D00557	13	0	00142.	00018	01860.								2	L	BC	
D00561	13	0	00037.	00010	00350.								2	L	BC	
D00569	13	30	00078.	00017	00420.								2	L	BC	
D00570	13	0	00102.	00021	00250.								2	L	BC	
D00615	13	0	00146.	00016	006500.								2	L	BC	
D00616	13	0	00027.	00015	00031.								2	L	BC	
D00617	13	0	00024.	00012	00030.								2	L	BC	
D00618	13	0	00024.	00014	00175.								2	L	BC	
D00619	13	0	00070.	00029	00420.								2	L	BC	
D00634	13	0	00093.	00025	01560.								2	L	BC	
D00164	13	50	000220.	00021	006600.								2	L	C	
D00165	13	20	000206.	00016	006400.								2	L	C	
D00166	13	30	000198.	00018	004700.								2	L	C	
D00167	13	20	00136.	00023	02850.								2	L	C	
D00169	13	0	00063.	00013	00340.								2	L	C	
D00173	13	30	00134.	00017	01330.								2	L	C	
D00174	13	10	00036.	00027	00145.								2	L	C	
D00176	13	0	00077.	00021	00195.								2	L	C	
D00177	13	100	00050.	00030	00100.								2	L	C	

CORDILLERAN ENGINEERING LIMITED

LOMOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS(S)	PERCENT ORGANIC	PPM CL	PPM EB	PPM ZN	PPM BA	PPM MO	PPM AS	PPM V	PPM U	PPB (CH2O)	PPM W	TYPE	AREA	HN	REMARKS
D00178	13	0	00058.	00021	00230.								2	L	C	
D00179	13	10	00054.	00028	00670.								2	L	C	
D00278	13	20	00091.	00017	00325.								2	L	C	
D00320	13	0	00034.	00017	00040.								2	L	C	
D00326	13	0	00054.	00017	00155.								2	L	C	
D00327	13	0	00048.	00016	00163.								2	L	C	
D00330	13	0	00027.	00016	00005.								2	L	C	
D00331	13	0	00032.	00014	00017.								2	L	C	
D00333	13	0	00057.	00023	00030.								2	L	C	
D00334	13	0	00058.	00026	00140.								2	L	C	
D00335	13	0	00148.	00062	00365.								2	L	C	
D00344	13	0	00065.	00018	01100.								2	L	C	
D00358	13	0	00048.	00010	00690.								2	L	C	
D00359	13	0	00048.	00088	00095.								2	L	C	
D00370	13	0	00107.	00020	02500.								2	L	C	
D00371	13	0	00040.	00015	00310.								2	L	C	
D00393	13	0	00018.	00012	00018.								2	L	C	
D00459	13	20	00162.	00020	13000.								2	L	C	
D00501	13	0	00066.	00007	00095.								2	L	C	
D00502	13	0	00067.	00006	00145.								2	L	C	
D00503	13	0	00082.	00012	00104.								2	L	C	
D00511	13	0	00035.	00008	00050.								2	L	C	
D00515	13	0	00094.	00018	00300.								2	L	C	
D00516	13	0	00094.	00012	00960.								2	L	C	
D00517	13	0	00098.	00012	02900.								2	L	C	
D00518	13	0	00540.	00017	10600.								2	L	C	
D00520	13	0	00058.	00010	00660.								2	L	C	
D00521	13	0	00072.	00014	00780.								2	L	C	
D00522	13	0	00100.	00020	04500.								2	L	C	
D00523	13	0	00072.	00035	00225.								2	L	C	
D00524	13	0	00089.	00016	00610.								2	L	C	
D00525	13	0	00062.	00014	01400.								2	L	C	
D00526	13	0	00044.	00017	00250.								2	L	C	
D00527	13	0	00091.	00016	00830.								2	L	C	
D00528	13	0	00078.	00010	00450.								2	L	C	
D00529	13	0	00082.	00016	01220.								2	L	C	
D00531	13	0	00100.	00014	02500.								2	L	C	
D00532	13	0	00172.	00018	07900.								2	L	C	
D00533	13	0	00138.	00016	04500.								2	L	C	
D00534	13	0	00340.	00018	12700.								2	L	C	
D00535	13	0	00100.	00011	01950.								2	L	C	
D00538	13	0	00036.	00015	00015.								2	L	C	
D00541	13	0	00078.	00011	00475.								2	L	C	
D00542	13	0	00108.	00018	00285.								2	L	C	
D00543	13	0	00109.	00024	00920.								2	L	C	
D00544	13	0	00154.	00034	01950.								2	L	C	
D00545	13	0	00130.	00017	00405.								2	L	C	
D00546	13	0	00050.	00012	00505.								2	L	C	
D00547	13	0	00019.	00020	00032.								2	L	C	
D00550	13	0	00122.	00024	02000.								2	L	C	
D00551	13	0	00280.	00022	06200.								2	L	C	

CORDILLERA ENGINEERING LIMITED

LOMOND CREEK - SOIL (ALL HORIZONS)
VALUES FOR 377 SAMPLES

SAMPLE NUMBER	ROCK UNITS(S)	PERCENT ORGANIC	PPM CU	PPM PB	PPM ZN	PPM BA	PPM MC	PPM AS	PPM V	PPM U	PPB (U+2G)	PPM W	TYPE	AREA	HN	REMARKS
D00552	13	0	00180.	00019	00900.								2	L	C	
D00555	13	0	00050.	00018	00630.								2	L	C	
D00556	13	0	00280.	00016	00760.								2	L	C	
D00558	13	0	00063.	00019	00650.								2	L	C	
D00559	13	0	00038.	00011	00890.								2	L	C	
D00571	13	0	00016.	00009	00060.								2	L	C	
D00573	13	0	00100.	00031	01770.								2	L	C	
D00576	13	0	00103.	00036	00115.								2	L	C	
D00581	13	0	00048.	00050	00100.								2	L	C	
D00582	13	0	00058.	00027	00165.								2	L	C	
D00583	13	0	00124.	00034	01080.								2	L	C	
D00584	13	0	00080.	00017	00155.								2	L	C	
D00585	13	0	00021.	00049	00080.								2	L	C	
D00588	13	0	00004.	00009	00073.								2	L	C	
D00590	13	0	00095.	00023	00055.								2	L	C	
D00592	13	0	00064.	00009	00500.								2	L	C	
D00594	13	0	00063.	00026	00805.								2	L	C	
D00596	13	0	00031.	00010	00285.								2	L	C	
D00597	13	0	00036.	00010	00410.								2	L	C	
D00600	13	0	00071.	00012	00094.								2	L	C	

AREA CODES: K=CRETACEOUS STCK H=PART FIVER MINE E=RECONNAISSANCE C=CHAPMAN LAKE L=LOMOND CK. N=NOR SHOWING R=RICHARDSCK MT.
TYPE 1=SILT TYPE 2=SOIL TYPE 3=BANKS



BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEEX: 64-54554

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Geochemical Lab Report

U; Hot HNO₃
Cu, Pb, Zn; Hot Aqua Regia
Au; Fire Assay & Hot Aqua Regia

Report No. 26 - 931 PROJECT: DR 76

Extraction U; Fluorimetric
Method Au, Cu, Pb, Zn; Atomic Absorption

From Cordilleran Engineering Ltd.

Fraction Used _____ Date September 15 19 76

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm				REMARKS
D 161	41	22	690				
162	137	18	1500				
163	250	18	7500				
164	220	21	6600				
165	206	16	6400				
166	198	18	4700				
167	136	23	2850				
168	25	12	205				
169	63	13	340				
170	49	21	180				
171	130	25	590				
172	100	20	1040				
173	134	17	1330				
174	36	27	145				
175	75	80	130				
176	77	21	195				
177	50	30	100				
178	58	21	230				
179	54	28	670				
276	92	33	190				
277	63	28	190				
278	91	17	325				
279	132	16	600				
280	74	17	140				
281	50	37	365				
282	60	34	260				
283	23	13	69				
284	125	30	80				
285	30	16	73				
286	25	14	225				

Geochemical Lab Report

Report No. 26 - 931

Page No. 2

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm					REMARKS
D 287	22	10	98					
288	35	19	112					
289	115	31	890					
290	53	33	160					
291	21	13	49					
292	55	13	113					
293	41	13	75					
* 331	32	14	17					
332	25	21	5					
333	57	23	30					
334	58	26	140					
335	148	62	365					
336	28	18	56					
337	42	20	54					
338	16	17	42					
339	62	19	165					
340	183	22	680					
341	129	50	280					
342	164	55	190					
343	59	16	100					
344	65	18	1100					
345	18	20	38					
346	44	14	265					
347	18	17	120					
348	31	20	170					
349	28	14	245					
350	18	13	105					
351	28	11	280					
352	49	20	315					
353	29	24	120					
354	50	26	225					
355	30	12	275					
356	99	58	460					
357	72	20	1540					
358	48	10	690					

* See page 2A

Geochemical Lab Report

Report No. 26 - 931

Page No. 2A

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm					REMARKS
D 294	29	11	165					
295	19	16	85					
296	24	16	140					
297	40	27	165					
298	29	20	103					
299	35	19	90					
300	27	24	185					
301	33	43	60					
302	29	28	73					
303	29	24	55					
304	23	21	18					
305	72	20	185					
306	20	16	36					
307	34	20	45					
308	148	27	250					
309	39	24	135					
310	45	45	160					
311	39	21	1020					
312	104	15	4050					
313	78	11	3000					
314	41	12	1220					
315	83	14	1900					
316	115	17	3900					
317	33	19	635					
318	37	15	850					
319	46	13	1110					
320	34	17	40					
321	67	12	970					
322	88	56	1420					
323	104	14	4600					
324	107	17	1900					
325	28	14	25					
326	54	17	155					
327	48	16	163					
328	29	13	320					
329	55	25	39					
330	27	16	5					

Geochemical Lab Report

Report No. 26 - 931Page No. 10

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm					REMARKS
D 605	13	10	48					
606	9	9	98					
607	36	12	185					
608	36	10	195					
609	42	13	245					
610	16	11	118					
611	33	12	205					
612	31	12	220					
613	33	10	255					
614	51	10	385					
615	146	16	6500					
616	27	15	31					
617	24	12	30					
618	24	14	175					
619	70	29	420					
620	127	23	8000					
621	36	11	270					
622	25	10	245					
623	78	16	930					
624	51	10	335					
625	28	9	225					
626	16	10	159					
627	36	18	620					
628	13	6	215					
629	56	14	345					
630	36	15	460					
631	39	10	270					
632	4	6	37					
633	13	7	116					
634	93	25	1560					



BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Extraction V; Perchloric Nitric U; Hot HNO_3
Cu, Mn, Mo; Hot Aqua Regia U; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia Report No. 26 - 421 PROJECT: DR 76
U; Fluorimetric
Method V, Cu, Mn, Mo, Au; Atomic Absorption From Cordilleran Engineering Ltd.
Fraction Used _____ Date August 11 19 76

SAMPLE NO.	Cu ppm	Mo ppm	Mn ppm	V ppm	U ppm	Au ppb	Ba ppm	REMARKS
EE 52R	-	-	165	1500	-	-	2530	
53R	-	-	-	1500	-	-	1440	
54R	-	-	-	2050	-	-	1210	
57R	-	-	-	1000	-	-	4000	
R 89A	-	-	-	-	3	-	-	
90A	-	-	-	-	2	-	-	
90B	4700	-	-	-	2	-	-	
91B	-	-	-	-	4	-	-	
94B	-	2	-	-	0.8	< 5	-	
95A	30	1	-	-	-	7200	-	
102A	-	-	270	730	-	-	1930	
RB 40F	-	-	-	-	-	< 5	-	
51-C-0	-	-	250	520	-	-	-	
51-D-0	-	-	175	-	-	-	-	
12220	-	-	160	18000	-	-	3570	
12226	-	-	40	330	-	-	207000	
C 508R	-	-	-	-	-	-	3420	
452R	-	-	-	-	-	-	3500	
EE 50R	-	-	-	-	-	-	5100	
49R	-	-	-	-	-	-	7330	
44R	-	-	-	-	-	-	4480	
RB 57A	-	-	-	-	-	-	8750	
57B	-	-	-	-	-	-	12500	
61	-	-	-	-	-	-	1280	
62	-	-	-	-	-	-	1070	
R 101A	-	-	-	-	-	-	2120	
105A	-	-	-	-	-	-	3550	
RB 53-0	-	-	-	-	-	-	1230	
39-0	-	-	-	-	-	-	1160	
								cc Mr. J. Chinneck

BONDAR J' EGG & COMPANY LTD.

Geochemical Lab Report

Report No. 46-14

Page No. 4
Project: DR;76
Shipment 4

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm		SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	
C - 419	24	142	470		C - 456	108	16	40	
20	9	96	219		57	18	14	41	
21	23	58	183		58	33	11	53	
22	29	53	173		59	18	13	46	
24	20	128	164		60	42	26	75	
25	33	34	125		61	47	18	192	
26	17	73	141		62	71	29	139	
27	14	79	137		63	123	20	950	
28	13	80	158		64	199	21	2340	
29	9	62	47		65	174	25	860	
30	10	89	192		66	113	29	740	
31	21	32	73		67	18	19	54	
32	17	66	95		68	127	27	3400	
33	15	53	78		69	129	35	1720	
34	14	89	107		70	77	36	224	
35	25	37	80		71	187	29	4800	
36	15	89	121		72	171	29	3980	
37	54	41	58		73	92	22	1680	
38	74	102	271		74	96	25	820	
39	83	32	70		EE-44-R	54	24	4200	Ba
40	45	30	81		EE-49-R	70	20	110	Ba
41	53	21	50		EE-50-R	72	20	20	Ba
42	37	19	48		EE-52-R	69	20	300	Ba ✓
43	35	21	74		EE-53-R	66	18	680	Ba ✓
44	26	14	55		EE-54-R	82	20	920	Ba ✓
45	58	211	181		EE-57-R	70	18	1300	Ba ✓
46	54	28	62		RB-51-D-0	53	18	125	Mn
47	111	42	85		RB-57-A	42	21	28	Ba
48	63	25	1880		RB-61	80	27	2000	Ba
49	29	15	72		RB-62-0	52	27	650	Ba
50	54	22	62		R-101-A	135	15	1550	Ba
51	54	20	48		R-102-A	42	19	83	Ba ✓
52	14	15	54		R-104-A	285	16	2200	
53	15	15	27		C452-R	56	22	23	Ba
54	23	14	34		C463-R	60	37	32	
55	53	16	47		C471-R	57	120	112	

DMK



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764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-3548

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Certificate of Analysis

TO Cordillera Engineering Ltd.
1418-355 Burrard Street
Vancouver, B.C.

REPORT NO. A-46-10

DATE July 9, 1976

Project: DR'76

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	%	%	%	%	oz/ton				
	Cu	Pb	Zn _T	Zn _S	Ag				
12217		0.01	0.13	0.10					
12219		0.01	0.16	0.08					
12220		0.01	0.14	0.12					
12221		0.01	0.06	0.02					
12222	0.01	0.01	0.20	0.17					
12223		0.01	0.35	0.31					
12224	0.03	23.07	8.92	6.04	2.36				
12225		0.17	0.32	0.27					
12226		0.03	0.11	0.04					
12227	0.03	0.01	0.37	0.30					
		Note: Zn _T - Total Zinc							
		Zn _S - Soluble Zinc							

BONDAR-CLEGG & COMPANY LTD.

NOTE:

Rejects retained two weeks
Pulps retained three months

S.M. Knox



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-3548

Certificate of Analysis

TO Cordilleran Engineering Ltd.
1418-355 Burrard Street
Vancouver, B.C.

REPORT NO. A-46-16

DATE July 12, 1976

Project: Dr'76

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		%	%	%					
		Pb	Zn _T	Zn _S					
12231		0.01	0.65	0.20					
		Zn _T - Total Zinc							
		Zn _S - Soluble Zinc							

BONDAR-CLEGG & COMPANY LTD.

NOTE:

Rejects retained two weeks

Pulps retained three months

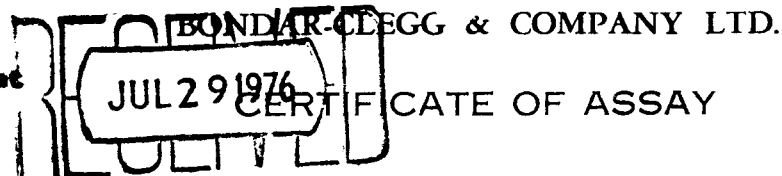
To: Cordillera Eng. Ltd.

REPORT No A26 - 405

PAGE No. 1

DATE: July 2, 1976

1418 - 355 Burrard Street
Vancouver 1, B.C.
V6C 2G8

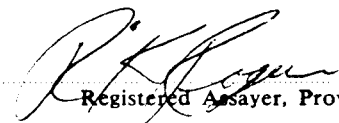


Samples submitted: July 22, 1976
Results completed: July 27, 1976
Project: DR 76 #11

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Pb	Zn					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
12238				0.06	0.47	2.97					
12239				-	0.78	0.46					

cc Mr. J Chinneck


Registered Assayer, Province of British Columbia

APPENDIX F



Getty Mines, Limited | 510 W. Hastings St., Suite 622, Vancouver, B.C. V6B 1L8 • (604) 681-9501

WRITER'S CERTIFICATE

I, Gary R. Foye, of Coquitlam, British Columbia, hereby certify that:

1. I am a geologist residing at 1028 Moray Street, Coquitlam and I am employed by Getty Mines, Limited of Suite 622 - 510 West Hastings Street, Vancouver, B. C.
2. I received a Bachelor of Science degree in geology from the University of British Columbia in 1970.
3. I have practiced my profession continuously since 1971.
4. I am the author of this report which is based on field work conducted during May and June, 1977 and August and September, 1976.

GETTY MINES, LIMITED

Gary Foye

GARY FOYE, B.Sc.

July 1977
Vancouver, B. C.

CORDILLERAN ENGINEERING LIMITED

MINERAL EXPLORATION
MANAGEMENT AND
ENGINEERING CONSULTANTS

1418 - 355 BURRARD STREET
VANCOUVER, B. C.
V 6 C 2 G 8
TELEPHONE (604) 681 - 8381

WRITER'S CERTIFICATE

I, Michael H. Sanguinetti of Vancouver,
British Columbia hereby certify that:

1. I am a geologist residing at 2208 West 35th Avenue,
and employed by Cordilleran Engineering Limited of
1418-355 Burrard Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia,
B.Sc., in 1965, and have practiced my profession since
that time.
3. I am a member of the Association of Professional Engineers
of the Province of British Columbia.
4. I supervised the writing of this report which is based
on the results of field programs conducted by Cordilleran
Engineering Limited during July to September, 1976 and
during May and June, 1977.
5. Field work for the 1977 program was done on my direction
under the direct supervision of Mr. G. R. Foye by a crew
employed by Cordilleran Engineering Limited



CORDILLERAN ENGINEERING LIMITED

M. H. Sanguinetti

M. H. Sanguinetti, B.Sc., P.Eng.
Geologist

July, 1977
Vancouver, B.C.

APPENDIX G

CANADA)
)
 TO WIT:) In the matter of a geological and geochemical
 report on behalf of Getty Mining Pacific, Limited

I, Michael H. Sanguinetti, Agent for Cordilleran Engineering Limited
of the city of Vancouver, Province of British Columbia.

do solemnly declare, - that geological mapping, prospecting and
 geochemical sampling were conducted on the HPZ 1-54, 59-83 and
 TBO 1-54, 59-77 mineral claims, Mayo Mining District, Y.T., during
 the periods July 5th to August 31st, 1976 and May to July 15, 1977.
 Expenditures for this work include:

Salaries, management fees, consulting, disbursements	.....	\$ 9,442.89
Helicopter	.....	7,198.00
Assay, analysis, geochemical services	.....	3,338.65
Groceries, supplies	.....	2,054.64
Equipment, computer, fuel	.....	<u>2,890.25</u>
		<u>\$24,924.43</u>

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

Declared before me at Vancouver)
 in the Province of British Columbia this)
 13 day of September 1977)

Michael H. Sanguinetti

Stewart
 A Commissioner for Oaths for Yukon
 Territory OR Notary Public for