12-84

### REPORT ON

### GEOLOGICAL AND GEOCHEMICAL SURVEYS

ON THE

**ELOISE CLAIM** 

Near Sayward, B.C.

Nanaimo Mining Division, Vancouver Island NTS Map - Area 92 L/1 Lat. 50° 14' N, Long. 126° 01' W

> Owned and Operated by ACADIAN GOLD LTD.

Prepared by

W.G. Smitheringale, Ph.D., P. Eng.

W.G. SMITHERINGALE & ASSOCIATES LTD., GEOLOGICAL CONSULTANTS

Submitted

GEOLONG JAGGAZLIBERANCH ASSESSMENT PFPOPT

11,730

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-1-

SUMMARY

The Eloise claim, which contains 9 units, is located on northern Vancouver Island.

Access is by logging road from Sayward.

Since 1966 the claim and surrounding area have undergone intermittent exploration for

copper that has included soil geochemical surveys, airborne and ground magnetometer

and induced polarization surveys, geological mapping, test pitting and some X-ray

drilling. The property was acquired by Acadian Gold Ltd. in March, 1983.

Most of the claim is underlain by a gently northeastward dipping sequence of

Karmutsen basalt flows. The northeast corner of the claim is underlain by Quatsino

limestone and possibly by some cherty clastic sediments of the Parson Bay Formation.

Mineralization on the claim consists of chalcopyrite and bornite associated with

pyrite, quartz and epidote in disseminations, amygdules and stringers in the Karmutsen

basalts. The mineralization is discontinuous and its grade is erratic. Its distribution

appears to be related to local shears and to flow tops and bottoms within intervals

containing interflow limestone beds.

The known mineralization is not economic. Neither the 1983 geochemical survey nor

previous geochemical surveys have indicated any significant anomalies over either

Karmutsen, Quatsino or Parson Bay(?) rocks. It is recommended, therefore, that no

further work be done on the Eloise claim.

INTRODUCTION

Location and Access (Figure 1)

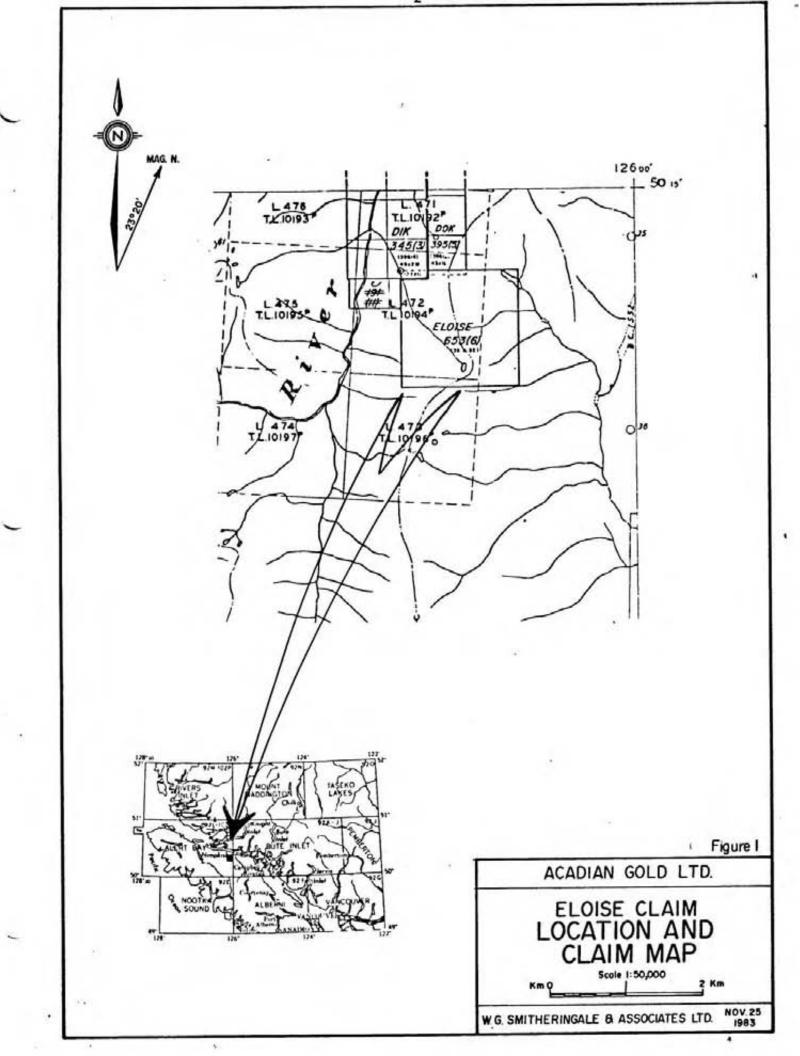
The Eloise claim is located on northern Vancouver Island, 17 km south of Sayward, as

follows:

Lat. 50° 14'N, Long. 126° 01'W

NTS Map-Area 92L/1

Nanaimo Mining Division



Access is via the Island Highway to the Upper Adam logging road 15 km west of the Sayward turn-off, then south on the Upper Adam road for about 8 km, then eastward on road 108A to roads 108 and 109. From the end of road 108 game trails and an old survey trail lead to the western and central parts of the Eloise claim (Figure 3) and from the end of road 109 one can easily drop southwestward down to the nearby swamp and then onto game trails that lead to the eastern part of the claim.

The claim lies in gentle to rugged terrain characterized by moderate slopes, local cliffs and in many places a thick growth of blueberry and other bushes. The area has never been logged, and consequently the trees, which are mostly hemlock with some cedar and fir, are huge. Elevations range from about 500 m to 750 m. Lois Creek, which drains a small lake in the middle of the claim, runs through the northwest quadrant of the claim. First, Second and Third creeks have been named in order to facilitate the discussion of geology in this report.

### Property Description

The Eloise claim contains 9 units, its record number is 653(6) and the expiry date is June 23, 1984. The owner and operator of the claim is Acadian Gold Ltd. of Vancouver, B.C.

The legal corner post is located on the west bank of Lois Creek at an elevation of 490 m.\* The claim boundary runs 3 units south and 3 units east. The blazed boundary lines actually run 5° to 10° off true south and east and the north boundary is approximately 75 m short (Figure 3).

The history of the property has been summarized by Jones (1) as follows:

"The Eloise claim, covering a part of what was formerly called the Lois Creek property, was originally staked by P. Gottselig for the Adam River Syndicate in 1966. Rio Tinto Canadian Exploration briefly explored the property in 1966 and completed a geochemical soil survey on the ground. In 1967 Adam River Syndicate optioned the property to Emperor Mines Ltd. This company concentrated their efforts on the Adam River showings (now DIK claims - Figure 1) which consist of siliceous zones in limestone and

\*Elevations shown on the accompanying maps (Figures 3, 4, 5 and 6) are about 70 ft. too high.

andesite locally well mineralized with pyrite, pyrrhotite, chalcopyrite, sphalerite and carrying significant values in gold. They dropped their option in 1968. The property was then optioned by Rip Van Mining Ltd. in 1969 and the following work was done: trenching and sampling; geochemical soil surveys; airborne magnetometer survey and induced polarization survey. In 1970, El Paso Mining and Milling Company succeeded Rip Van Mining Ltd. and took over management of exploration on the property. This included geochemical soil surveys, geological mapping and some X-ray drilling. The option was terminated in 1971.

The property was acquired by H.M. Jones, P. Eng., in 1980. In 1982 a ground magnetometer survey was conducted over that part of the property which contained all of the old mineralized pits."

In March, 1983, J.R. Billingsley purchased full title to the property and it was then immediately acquired by Acadian Gold Ltd.

The work described above focused attention on pyrite, chalcopyrite and bornite mineralization in volcanic rocks that has been exposed in pits along Lois Creek. This mineralization occurs as stringers, pods and disseminations and is localized by flow contacts. It is too restricted in distribution to be of economic significance and it is unlikely that this type of flow top associated mineralization is present in economic concentrations elsewhere on the property. Another type of mineralization that could be present on the property is Cu-Zn-(Au) mineralization (as described above by Jones) in the Quatsino or Parson Bay formations that cross the northeast quadrant of the claim. Unfortunately the soil geochemistry survey conducted in August, 1983, gave no indication of such mineralization. I conclude, therefore, that the Eloise claim has no mineral potenital.

#### Summary of Work Done

Between June 26 and September 1, 1983, the following work was done.

Linecutting: 2.7 km cut, chained and pegged.

Geochemical survey: 404 soil samples analyzed for Cu and Zn.

Geological survey:

0.83 sq. km mapped at a scale of 1:2,500. This area includes most of the northern three units and part of the remaining two eastern units. The central, western and southern parts of the claim have been mapped previously.

### TECHNICAL DATA AND INTERPRETATION

### Regional Geology

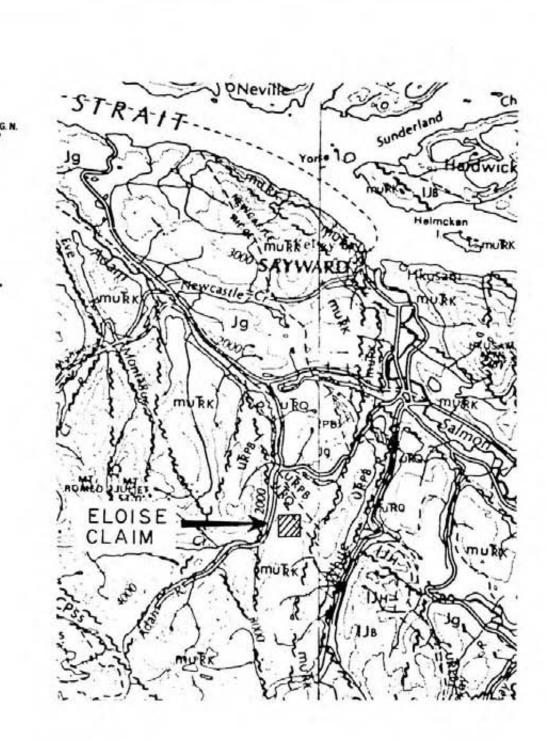
The Sayward region of Vancouver Island is underlain, in order of descreasing age, by the Karmutsen Formation (mid to late Triassic basaltic lava, pillow lava, breccia and tuff), the Quatsino Formation (late Triassic limestone), the Parson Bay Formation (late Triassic calcareous silstone, greywacke and silty limestone), the Harbledown Formation (early Jurassic argillite, greywacke and tuff), the Bonanza volcanics (early Jurassic basaltic to rhyolitic lava, tuff, breccia and minor argillite and greywacke) and Island Intrusions (late Jurassic granodiorite to quartz monzonite), which intrude the previously mentioned units (2). This terraine has been cut into a mosaic of subterraines by northwest to northeast trending faults (Figure 2).

### Property Geology and Mineralization

The Eloise claim is underlain by the Karmutsen Formation, except for the northeast corner, where Quatsino limestone is in fault contact with the Karmutsen and is possibly overlain by the Parson Bay Formation.

The purpose of the geological survey conducted in 1983 was:

- To determine the control of the mineralization exposed along Lois Creek and to determine if the geology of the property favours the occurrence of this type of mineralization in economic concentrations elsewhere on the property.
- To locate the Karmutsen-Quatsino and Quatsino-Parson Bay contacts in the northwestern Quadrant of the property.



# LEGEND.

Jg	ISLAND INTRUSIONS granite
IJB	BONANZA VOLCANICS basalt to rhyolite, minor argillite
u RPB	Parson Bay calcareous siltstone and related sediments
uRo	QUATSINO LIMESTONE
mulkk	KARMUTSEN VOLCANICS

Figure 2

ACADIAN GOLD LTD.

ELOISE CLAIM
REGIONAL GEOLOGY

(after J.E. Muller, 1977)

W.G. SMITHERINGALE & ASSOCIATES LTD. NOV. 25

### Mineralization Along Lois Creek

The mineralization exposed in the pits along Lois Creek consists of pyrite, chalcopyrite and bornite associated with epidote, quartz, calcite and minor hematite occurring in small stringers, amygdules and disseminations. The host rock is propylitized, medium to dark green and greenish grey, amygdaloidal, massive and locally pillowed basalt. Mineralization was observed in fractures with attitudes of 035° to 050°/v, 020°/60° SE, about 110°/30° NE and in randomly oriented fractures. The 110°/30° NE fractures are parallel to flow contacts. In several places a 1 m thick bed of limestone lies between flows and comprises the local geological control for the course of Lois Creek. Bedding along the creek, as determined from the limestone bed and from flow contacts and pillow attitudes, is about 1100/300 NE. All evidence points to the mineralization being local in distribution and controlled by flow contacts and related features. The contact (or contacts) along which the limestone lenses occur may be a particularly important control. There is no evidence of the mineralization being associated with a strong, continuous structure such as a fault zone along Lois Creek.

## Geology of area mapped in 1983

#### A. Karmutsen Formation

In the northern and eastern portions of the claim the Karmutsen Formation consists of basalt flows and minor flow breccia. These fine-grained rocks vary from medium to dark green, from pyroxene porphyritic through pyroxene and plagioclase porphyritic to plagioclase porphyritic and from massive to strongly amygdaloidal. The phenocrysts are mostly medium grained. In some flows plagioclase phenocrysts occur as multigrain clots. Chlorite is the most common amygdule filling. Propylitization is generally well developed, although in places phenocrysts appear fresh. Pillow and flow breccia structures are present in places, but are not common. Flow thickness could seldom be determined. Several flows 5 m to 10 m thick were seen, and in general flows are more than several metres thick. Flow contacts that are marked by abrupt changes in the number of amygdules, and sometimes by changes in other textural features, can be found in most large outcrops by careful searching. Several joint sets are usually well developed, one of which is parallel to flow contacts. Bedding

determined from flow contacts ranges in strike from 080° to 120° and in dip from 25° to 35° northeastward.

On the accompanying geological map (Figure 4) basalts are differentiated on the basis of their phenocryst content.

In several places on Lois Creek and at one locality on Second Creek limestone or limey tuff beds a metre or so thick are present between flows. In the bluffs along the eastern boundary of the claim there are several exposures of light grey and felsite with small plagioclase and amphibole phenocrysts. They probably represent a northerly trending dyke.

In the writer's opinion, the Karmutsen flows in this area comprise a structurally simple northerly dipping sequence, probably cut by small northerly and easterly trending faults. Within the sequence there are two intervals in which interflow limestone beds and lenses are common. The locations of these intervals are indicated by the principal creeks, which by and large follow the intervals because they are less resistant to erosion than the adjacent flows. One interval is marked by Lois and Third Creeks and the other by First and Second Creeks. The attitudes of these stratigraphic intervals, estimated by projection from creek to creek, is  $105^{\circ}/20^{\circ}$  NE for the Lois-Third Creek interval and  $112^{\circ}/17^{\circ}$  NE for the First-Second Creeks interval. It is probable that these intervals would have been more succeptible to mineralization than the remainder of the basalt sequence. The numerous gulleys and cliff faces trending northerly and easterly probably represent faults, but no fault planes as such were observed.

### B. Quatsino Formation and Andesitic Sill(?)

The northeastern part of the Eloise claim is underlain by a northwestward trending belt of Quatsino limestone characterized by small sinkholes. In the few exposures present the limestone is medium grey and generally massive, although several thin bedded and laminated horizons were observed. A fracture cleavage is present with an attitude of 115° to 150°/80° NE to vert. At one place this fracture cleavage is parallel to a fault contact between limestone and light grey felsite. Small folds with axes pitching 40° SE in the plane of the fracture cleavage were seen in one outcrop. In a quarry near the end of logging road 108 bedding in Quatsino limestone is 120°/27° NW.

The contact between the Quatsino and Karmutsen formations is assumed to be a fault.

No outcrop is present in the valley occupied by the lake in the northeast corner of the claim. However, thin bedded, cherty, limey, tuffaceous and argillaceous sediments belonging to the Parson Bay Formation outcrop on road 109 and project into this area. Northeast of the lake, near corner post 0S 3E, greyish green, massive, very fine grained, pyrrhotite rich (1% or 2%) andesite or basaltic andesite outcrops. This rock is dissimilar to the Karmutsen flows. It could be a down-faulted wedge of Bonanza volcanics, but most probably it is a sill within the Parson Bay Formation.

### Geochemical Survey

Four hundred and four soil samples were collected on a grid with sample lines running 045° and spaced either 50 m or 100 m apart. Sample sites were spaced either 25 m or 50 m apart. In most places the B horizon was sampled, usually at a depth between 10 cm and 60 cm. In places where a thick layer of organic debris containing a dense network of roots prevented sampling the B horizon a sample was collected from the A<sub>1</sub> horizon (mixed humus and mineral matter). Near the lake shore northeast of the baseline, and in several creek beds, the soil profile is waterlogged. In such places the gley horizon directly beneath the humus was sampled. Samples were collected with a mattock and trowel and placed in wet-strength Kraft paper bags. They were submitted to Min-En Laboratories Ltd. of North Vancouver, B.C. They were oven dried and sieved, and the -80 mesh fraction was analyzed for Cu and Zn using a nitric-perchloric acid digestion and atomic absorption analysis. The results are reported in Appendix I and shown on Figures 5 and 6.

### Statistical Treatment

The geochemical samples have been treated as two populations, one consisting of samples collected in the area underlain by the Karmutsen Formation and the other consisting of samples collected in the area underlain by the Quatsino Formation, according to the geological interpretation shown in Figure 4. Probability plots (Appendix I) and mean values show that the two sample populations are distinctly different in their Zn content but are only slightly different, if at all, in their Cu content. Statistical parameters for each population are given below and on Figures 5 and 6. Values are in ppm.

	Karmutsen Terrane		Quatsino Terrane		
	Zn	Cu	Zn	Cu	
Mean	36.8	73.3	63.6	86.9	
Standard deviation	15.5	38.3	33.6	37.7	
Threshold (97.5 cumulative per cent value)	70	155	143	165	

Anomalies shown on Figures 5 and 6 are based on threshold values defined as the 97.5 cumulative per cent value for each population, as shown above.

### Discussion of Anomalies

The only anomalies involving more than one sample site are several small Zn anomalies along the east boundary of the claim. The anomalies on lines 5 + 50 SE, 6 + 50 SE, 7 + 00 SE and 10 + 00 SE are in areas mapped as Karmutsen Formation. Except for one sample on line 10 + 00 SE, the samples would not be anomalous if they were included in the Quatsino Zn population. Apart from a few isolated highs, these Zn anomalies are probably due to the presence of undetected fault slices of Quatsino limestone. The remaining spot anomalies of Zn or Cu in either terrane may be due to mineralization, but they are too isolated to warrant follow up work.

### Interpretation

- Mineralization along Lois Creek is discontinuous. It is controlled by relatively
  porous and permiable flow tops and bottoms and by minor faults in an interval
  within the Karmutsen flows that contains lenses and thin beds of limestone.
- 2. Apart from tentatively identifying two intervals that contain interflow limestone beds and that might be favourable loci for mineralization, the geological survey and prospecting failed to find any mineralization, alteration, major structures or other features within the area underlain by Karmutsen volcanics that night be considered to be encouraging or favourable for the presence of economic mineralization. The most favourable area for prospecting is the northeast corner of the claim, where the Karmutsen-Quatsino contact and possibly some Parson Bay Formation are present. The Parson Bay is mineralized north of the Eloise claim.
- The geochemical survey failed to identify any anomalies worthy of follow-up, either over Karmutsen rocks or in the northeast corner of the claim.

# ITEMIZED COST STATEMENT

## Wages

P. Greening: 2.5 days (July 31, Aug. 1 & 2) @ \$115.00 per day	\$ 287.50
R. Ney: 18 days (Aug. 15 to Sept. 1) @ \$115.00 per day	2,070.00
K. Parr: 9 days (Aug. 17 to 21 and Aug. 27 to 30) @ \$115.00 per day	1,035.00
J. Fell: 8 days (Aug. 22 to 29) @ \$115.00 per day	920.00
TOTAL	\$ 4,312.50

# Consulting Fees

W.G. Smitheringale & Associates Ltd.

Field work Research and expiditing	17.0 2.19			
Report preparation	6.0	days		
	25.19	days	@ \$350 per day	\$ 8,816.50

# Food and Accommodation

At Salmon River Inn, Sayward, B.C.

Date	No. of Men	Meals	Accommodation			
Aug. 15	3	\$ -	\$ 55.64			
Aug. 16	4	107.82	79.18			
17	5	85.65	102.72			
18	5	111.76	102.72			
19	3	98.47	70.62			
20	3	61.19	70.62			
21	3	73.61	70.62			
22	3	63.23	70.62			
23	3	58.56	70.62			
24	3	55.42	70.62			
25	3	57.52	70.62			
26	3	59.82	70.62			
27	3	70.93	55.64			
28	3	60.61	55.64			
29	3 2	52.33	47.08			
30	2	50.59	47.08			
31	1	5.50				
69/20		\$1,074.01	\$1,110.66			

Sub Total, Salmon River Inn	\$ 2184.67 77.00
Meal tips, Salmon River Inn Meals, traveling	31.90
TOTAL	\$ 2,293.57

Average food and accommodation \$44.11 per man day

# Transportation

4 x 4 truck rental (Redhawk Rentals Ltd., Burnaby) Aug. 15 to Sept. 1 @ \$250.00 per week; 1,793 km	
@ \$0.12/km; insurance @ \$25.00 per week; tax 7%	
and fuel fill	\$ 1,027.37
and ruci iii	\$ 1,027.57
Station Wagon Rental (W.G. Smitheringale & Associates Ltd.)	
6 days @ \$25.00 per day; 1,050 km @ \$0.12 per km	250.00
Gas for vehicles	252.46
B.C. Ferry Charges	143.00
TOTAL	\$ 1,672.83
IOTAL	\$ 1,6/2.03
Analyses	
,	
404 soil samples, preparation and analysis for	
Cu & Zn @ 3.75 ea.	\$ 1,515.00
1: (2.71. )	
Line Cutting (2.7 km)	
By contract to Hi-Tec Resource Management Ltd., North Vancouver;	
2 man crew, 4 days travel and cutting, plus equipment and	
travel charges	\$ 1,910.00
Miscellaneous Expenses	
Air photos, topo maps and reproduction of previous	
exploration maps	60.78
Field supplies (soil sample bags, hip chain thread,	
flagging, etc.)	276.64
Drafting for report	600.00
Secretarial	134.10
Map reproduction and Xeroxing	217.36
TOTAL	\$ 1,288.88
101710	7 .,
GRAND TOTAL	\$21,809.28

# Geochemical Survey

Aug. 19 to 30; 26 man days @ \$115/man day; 404 samples collected and analyzed for Cu and Zn.

Collection	\$ 2,990.00
Analysis	1,515.00
Total	\$ 4,505.00

### Notes:

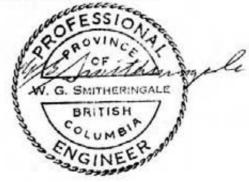
- The brush was very thick, the slopes steep and at many sites several holes had to be dug before a suitable soil sample was obtained. The average of only 15 samples per man day is therefore quite reasonable.
- These costs have been included above under Wages and Analyses.

### Report

Writing, plotting data and expiditing: 6 days @ \$350 per day	\$ 2,100.00
Secretarial	134.10
Drafting	600.00
Reproduction and Xeroxing	206.45
Miscellaneous	10.91
Total	\$ 3,051.46

Note: The costs of the report have been included above under Consulting Fees and Miscellaneous Expenses.

Respectfully submitted,



W.G. SMITHERINGALE & ASSOCIATES LTD.

W.G. Smitheringale, Ph.D., P. Eng.

#### CERTIFICATION

I, William G. Smitheringale, certify that:

I am a practising Professional Geological Engineer, resident at 2008 Fullerton Avenue, North Vancouver, B.C.

I am a graduate of the University of British Columbia with a degree in Geological Engineering (B.Ap.Sc., 1955) and of the Massachusetts Institute of Technology with the degree of Doctor of Philosophy in Geology (Ph.D., 1962).

I have practised my profession continuously for twenty years as Geologist with the Geological Survey of Canada, as Assistant and Associate Professor, Department of Geology, Memorial University of Newfoundland and, since 1974, as a Consulting Geologist.

I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia (Registration No. 10,802).

This report is based on field work carried out by myself and by others under my supervision between June 26 and September 1, 1983, on published information and on data in private files and reports.

I hold no interest, nor do I expect to receive any interest, in the Eloise claim or in Acadian Gold Ltd.

W.G. SMITHERINGALE, Ph.D., P. Eng.

## REFERENCES

- Jones, Harold M., March 15, 1983: Report on the Eloise Claims, Adam River area, Sayward, B.C.; unpublished report prepared for J.R. Billingsley.
- Muller, J.E., 1977: Geology of Vancouver Island (West Half); Geol. Surv. Canada Open File 463, geological map, scale 1:250,000.

# APPENDIX I

Soil Geochemistry Data

# MIN-EN Laboratories Ltd.

705 WEST 15th STREET, NORTH VANCOUVER, B.C., CANADA V7M 1T2 TELEPHONE (604) 980-5814

### ANALYTICAL REPORT

Project E1	oise		Date of report	Sept.14	4/83.
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W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No. : Eloise . \_\_\_\_

MIN - EN Laboratories Ltd.

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L0+00-				3,0		13		1/12							F. 7

PROJECT No. Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

Fi. . . dc. 3-920

ATTENTION:	W.G	. Smi	theri	ngale		705 WEST 15t		041 980-5814						1	983.
6 Sample, Number 81 86	10 <b>X</b> ∘ ⊳p <b>X</b> 90	15 <b>X</b> p <b>X</b> n 95	20 Pb ppm 100	25 <i>Zn</i> ppm 105	30 Ni ppm :10	Soil Herus	40 Ag ppm 120	Depth (cm) 125	50 Hg ppb 130	55 As ppm 135	Mn ppm	65 <b>Au</b> ppb 145	70 Cu ppm 150	75	80
L0+001	5:0·S		4 1 1 1	_ 23	-I-I-I-	3		30	LLLL	حدالا			3.3	1-1-1-1	1.1.1
L0+002	5.0.S	1 1 1 1	_1_1_1_1	1 3.5	11.11	Bull	الأساليا	1/101	1111	11.11	LILL	1111	6.3		1111
	0.0	1 1 In 1	111	3.4		B	1111	1/10				1.1.1.1.	4.7		
	5,0, ,	1111	ELIE	1.9	1111	1011	1117	15:01	1 1 1 1	gliery	soil	1111	1116		1 ( 1 )
4	0.0.			1.4		A		3.0					5		ستب
4	50		1111	3.2	اللنا	A,	1111	400	1111	1.4.1.1.	Llat	_1,1,1,1	3,5		1111
	00		1111	12.1		ZS 1	1111	151	1111	1111	1111		1.2		
1 1 1 1 1 5	50		1111	1 123	444	B	1111	251	Line	1111	FILE		3,8		بالبد
6	0.0			3,9		B	1111	15	المليل	1111		1111	2,4		
6	5.0		111	1.4		C		160		4/24	soul	1111	1.0	1111	-
LO+007	00S		4,111.	1,5	1111	C	1111	16101		glicing	Spin		11	LILL	
L0+50S	EBLO	+00		16:3	1111	3.11	النبيا	1410:	1111	111	1111		1.03		111
L0+50S	E 02	5 S		1. 17.8	1111	13.1	111	12101	1.1.1.1			1111	1 8.5	1111	
1 1 1 3	0.5	0	1111	16.2	1111	211	1111	13101	1111	1116	1111	1111	121	1111	1-1-1
. السلط	0.7	5		4.5	سبب	3	:	120			Line	-1-1-1	11.7.2		
L0+50S	E 10	0.5	1111	1 49	1111	BILL	1111	1401	1111	1111	1111	1 1 1 1 1	, 11,1,2	1 1 1 1	111
L0+50S	E 15	0 S		14.5	1.1.1.1	BLIL	11.1	1/10.1	1111			1.1.1.1	1.0.2		111
7 ( ) 1 1	1.20	0		3.4		3.11		13101		11.1.1		حبلطالك	6.0		111
L0+50S	E250	SILI	Lii	17.0	1111	1311	1111	13.0	1111	1111	1111	1111	1,2,3	1111	
L1+00S				5.4		B		40					6.6		111
L1+00S	E, 0, 2, 5	S		16,9		BI	1119	10	1111		1111	4.4.4.4	1,2,2		111
e file r	,0,5,0		1111	1,0,9		BI	1111	1300	1.1.1.1	1114		1111	1,1,8	1.1.1.1.	
1 1 1	,0,7,5			5,2	1111	BIII	111	125	1 1-1-1		Lini	1111	, , ,8,7	(4,0,m	$e_i s_i h_i$
L1+00S	E100	SILI	1111	16,4		BIL		125	1111	1111	11.1.1	111	1.00		444
L1+00S				4.5		B		20			1111		7.3		
	,2,0,0			5,0		13.11	1119	120	1111		Luc		, 1,1,0	The state of the s	111
3 1 J J J	2,5,0	المالي		4,9		Bull	111	15.	1111	1114	1111	.1.1.1.	1,1,8	1111	111
11111	3.0.0	() ()	1111	1 12.9		311	1119	1200	1.1.1.1	1111	Line		1772		11/
1.1.1.1	3,5,0	4-3			بالمالية	Bull	11.1	201	1111		1111	.1.1.1.1.	1 96		1
L1+00S	-0.00	200	1111	3.0		B	•	30	1111		1	1111	54	1 -	v L.

W.G. Smitheringale COMPAN

Eloise

300

L2+00SE350S

PROJECT No.:

### GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

Fi. .40. 3-920

DATE: Sept. 14

705 WEST 15th ST., NORTH VANCOUVER, B.C. 174 172 W.G. Smitheringale PHONE (604) 980-5814 1983 40 Cu<sup>70</sup> 50 55 60 65 25 30 35 Ni Hg As Mn Au OX. Zn Sample. Pb Ag Depth ppb ppm ppb ppm ppm ppm ppm Number ppm 135 140 105 120 (cm) 125 155 160 100 123 L1+00SE450S 40 50 (40 mesh) 5.0.0 7.8 5.5.0 56 2,3 6.0.0 1310 7.7 1.8 L1+00SE650S 20 105 13.5 L1+50SEBL0+00 2511 155 6,2 L1+50SE025S 8.7 4.0 0.5.0 7.0 5.4 0.7.5 99 L1+50SE100S 56 (40mesh) 2.5 L1+50SE150S 2.7 12.4 2.00 301 42 2.5 401 2.50 98 5.3 351 3.0.0 B 24 (40mesh) 2.5 3.5.0 3,8 42 (40mesh) 4.0.0 A4B 2101 99 13.3 4.50 15 1.06 3,3 B 5.00 1,5 6.7 3.9 L1+50SE550S 3 138 6.3 13 L2+00SEBL0+00 62 4.8 L2+00SE025S 13 69 5,4 0.5.0 B 95 3.3 0.7.5 13 96 3,8 1.0.0 43 3.0 .1.2.5 100 44 L2+00SE150S 1.6.7 3.7 L2+00SE200S ,8,6 3.6 2,5,0 3,3

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COMPAN

PROJECT No.

W.G. Smitheringale

Eloise

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

ORTH VANCOUVER, B.C. V7M 1T2

Fis No. 3-920

DATE: Sept.14

			705 WEST 15th ST., NORTH VANCOUVER,
ATTENTION	W.G.	Smitheringale	PHONE (604) 980-5814

ATTENTION:	W.G. Smi	theri	ngale		705 WEST 151		604) 980-5814						19	983.
Sample. Number	10 15 NX	20 Pb ppm 100	25 Zn ppm 105	30 Ni ppm	35 2011 Horizon 115	40 Ag ppm	25 Depth (cm) 125	50 Hg ppb 130	55 As ppm	60 Mn ppm 140	65 Au ppb	Cu ppm 150	75	
2+00s			24		B		15			1		11.1	2.1.1.4	1 1 1
12,1000	4.5.0		1.8		Au	•	ا ا			1111		1.10	(40m	esh)
	5,0,0		3.3	The same of the sa	3	•	20		F F F F			, 40	100	
2+00s			2.6		2111		5			1 1 1 1	1 1 1 1	24		N
	EBL0+00		4.1		B	•	20					79		
2+50S		1 1 1 1	5,9		B	1	10			1.1.1	1.1.1.1	, , 8,8	1.1.1.1	
	0.5.0		3,4	1111	3	111	20	1111		Line	1111	, 42		
	0.7.5	1 1 1 1	5.4		13	111	1/12/		13.1.1.1	1111	1 1 1 1	, 85	1111	
	1.0.0	1 1 1	6,0	1 1 1 1	3	1111	10			1	1111	. 189		
	1,2,5	F-1-1-1	4.9		3		2,0		1.1.1.1	ببيا	1111	. 57		
2+50S	E150S	11-11	3,8	1111	3	111	25			1111	1.1.1.1	8.9		11
	EBL0+00	1 1 1 1	6.9	11.11	173	1111	201	1111	1111	1111	4 1 1 4	143	1111	111
3+00S			5.9		311	1	115	1111	1 1 1 1	1111	1 1 1 1	82		1
1111	0.5.0	1.1.1.1	, , ,6,6	1111	31.11	1 1 1	1/10	1111		1111	1111	8,1	1111	1.1
	0.7.5		1 3/8	1111	3	11.1	40		1111	ببنا		. 34		
	1.0.0	1.1.1	2.0	1111	Bull	1111	17.	1111	1111	1111	1114	, , 1,6	1111	111
1 1 1 1 1	1,2,5		, ,5,3	1.1.1.1	Bull	111	151 11	11.11.	1111	1111	1111	, , 6,1		111
L3+00S	E.1.5.0 S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3,5		BI	111	15111	1111	11.11	1111	1111	, , 6,9		
L3+00S		1111	. , 40	-1111	BI	1111	12111	1111		1111	1.1.1.1	, , 7,1	1111	11.
	2.5.0	1-1-1-1	3.0		B		3				11,11	7.6		
11111	3,0,0	1131	1, 12,1		BII	1119	151		1111	1111	LLIL	, , 99	1111	11
1.1.1	3.5.0	1.1.1.1.	114	1111	Ay	1119	1000	1111	1111	1111	1.1.1.1	, , 6,1	(40m	esh
	4.0.0	1411	2.8		311	1-1-1	311	1111	11.11	1111	1111	, , 4,2		111
3+00S	E,4,5,0 S	1.1.1.1	2,2		Ay	1119	511			1111	TITE.	2,7	(40m	es h
.3.+5.0.S	E.B.L.0+00		5.1		B		20	1111	1111	1111	1.1.1	, , ,7,8		1
3+50S	E.0.2.5 S.		7.7		BI	11.19	1/101	1111	11.11	1111	111	193		1.1
	0.5.0	1111	44	1111	BLL		1201	1111	1111	1111	1111	, , 54		111
11111	0.7.5	1111	1 16.3	1111	13.11	1111	12151	1111		1111		1 84		1.1
1111	1,0,0	1,1,1,1	4.9	1.1.1.1	13	1111	3.01	1.1.1.1	1111	حنا		1/8	1/1	11
1.3 + 50S	E,1,2,5 S	1.1.1.1	4.1	1111	BIL		120	1111	1111	1.1.1.1	1	156		11

W.G. Smitheringale

PROJECT No. Eloise

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

FIL 40. 3-920

ATTENTION:	W.G. Smi	theri	ngale		705 WEST 15	H ST., NORTH	H VANCOUVE	R, B.C. V7M	1T2				DATE: 1	1983.
Sample. Number 81 86	10 15 <b>X</b> ° <b>X</b> <sup>L</sup> P <b>X</b> <sup>m</sup> P <b>X</b> <sup>m</sup> 90 95	Pb ppm	25 Zn ppm 105	30 Ni ppm :10	Soil Hecusil	40 Ag ppm 120	45 Oep/4 (cm) 125	50 Hg ppb 130	55 As ppm 135	60 Mn ppm 140	65 <b>Au</b> ppb	Cu 70 ppm 150	75	80
L3+50S	1,50s	1111	6.0	1111	BILL	1141	361	1111	1-1-1-	1111		1,5,0	1111	1111
	1.7.5	1.1.1.1	1 34	المللة	Bull	111	13101		1111	1111		1 7.1		1.1.1.1
11111	2,0,0	1 101 1	4.8	111.1	BI		30		1111		البيد	, , 3,7	1111	1111
1. 1. 8 1 1	2.2.5	1111	4.0	1111	1311	1.1.1	4.01	1111	1111	1111	1111	1164	1111	1111
	2,5,0	1111	4.4		B	1-1-1-1	3.0.					. 101		
16116	2,7,5		5,6	ببت	BI	البيا	13101		1111		1111	1,7,2	444	1111
$L_3 + 50.8$	E 3 0 0 S	Lean	3.4	1111	B		13101	1111	للللا	1111	1111	1 84	1111	
L4+00S	EBL0+00		1 17.0	1111	131		251			1111		1.1.7		1111
L4+00S	E025S		4.9		1311		20				1111	7.3	11(1)	1111
	0,5,0		9.8	1111	B		5	للنا	1111	أستال	1111	14.6		
	,0,7,5		1,3,6		B		30			للتلل	1.1.1.1	1,3,1	1.1.1.1	
1 1 2 4 1	1.00	1111	1:5:2	1111	311	111	15	1111	1111	1111	1111	127	1111	
1 1 4 4 1	1,2,5	I I-I-I	3.6	1.611	18.1	1.1.1	115	1111		1111	1 1 1 1	1 3.9		1111
1 1 K	1,5,0	11111	. , 5,2		3	1111	110	1111	+1+1	1111	1111	, 133	1 1 1 1	f 1 1 (
	1,7,5	144	5,4	1111	3	111:	151	1111				1,3,8	ببب	
1 1 a a	,2,0,0	1 1 1 1	2,9	1111	B	LLI	151	1111	1111	1111	1 ( 1 )	, , 5,6	1111	
1 1 1 1 1	2,2,5		5.3		B	111	7	1111		1111		116	1111	1111
L4+00S	E 2,50 S	1 1 1 1	3,9	1 [ ]	3		1/0-1	1.1.1.1				, , 5,9	1111	1111
L4+008	E, 3, 0, 0 S		, , ,5,5		311		1/151		1111	1111	1111	1 86		1.1.1.1
L4+00S	E 3,50 S		1,1		An	111	10						(4.0  me)	sh.).
L4+50S	EBL0+00		1,1,2		Bull	1119	151		1111	1111		,1,1,6	1111	1111
L4+5,0S	E0.2.5 S		3,5	1111	Au	1119	12.2	1111	1111			1 20	(40 me	s,h.)
	,0,5,0	LILL	, , , 8,0	1111	1311	1.11	12101	1111	1111	1111	1111	, ,1,7,0	1111	1111
1 ( ) [ ]	0,7,5	1111	9,0		B	11.11	3011	LLL		1111		116	1111	سبت
	1,0,0	1,,,,	7,0		Buil		4.51		1111	1111		7.8	1 1 1	
(1) 11	1,2,5		7.4	1111	B	1119	401			1111	1 1 1 1	0.8	1.1.1.1	
	1,5,0		, 3,5		4	1119		1111		1111		1 37		
	1.7.5	1111	4.6		B	LLE	10-40	1111	1111			62	1.1.1.1	11/1
1 1 1 1 1	200		, 60		3	1	A STATE OF THE STA	1.1.1.1	1111			111		
	E225S		84		B	•	12.5			1111		107		7/

PROJECT No Eloise

W.G. Smitheringale

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2 PHONE (604) 980-5814

	1	9	8	3		
_	-	-	_	-		Ŀ
54.00		_	_	_	_	•

198						£	04) 980-5814	PHONE 16		5	ingale	LLHEL	. 5 111 2	W.G.	TTENTION:
	75	Cu ppm	65 Au ppb	Mn ppm	55 As ppm	50 Hg ppb	0 epth (cm) 125	40 Ag ppm	35 5011 Harrzalla	30 Ni ppm	25 Zn ppm	20 Pb ppm 100	15 % % %***	10 MX PX'	Sample. Number
		-							100 mg (200 mg)			.00			
-	-1-1-1-1-	160		1111	1111		15.51	التدد	3		50	4444			4+508
1		1 37	1111	1111	444	444	13.0	بأبيد	13.1		1.12.3	1111	1.1	2.7.5	1111
-1-1-		7.9			1111	1111	251-140	1111	B	444	. 40	1444	1	E.3.0.0 S	
1.1	1111	, 63	1111	1111		1111	1/0	111	BI	11.11	3,8	1111		E,B,L,0 +	
		. 205		1			20.	:	B		9.7		1.	E.0.2.5 S	5+0.0.5
11	1111	1 76		y	3 wans	1111	110	111	Bull	1111	3.6	1111		0.50	11111
esh	(40 m	, 112	1111		E LUZIUM	1111	110	1111	A	1111	6,6	1111	100	0.7.5	1.00
1.1	TITE	1 59		1111	1111	1111	ا ـ ا آکد		B	1111	4.3	1.4.3.1	1.1.6	1.0.0	KW TA
		, 51		Link		4111	AID:	1117	BIL	1144	4,0	1.1.1.1	0.63	1.2.5	
		, 88		1441	1111		1/10		8		6,0		110.	1,5,0	I de Loren
1.1		93		1111	1111	1111	20		B		5,4		0.000	1.7.5	1111
		, , 91		0000			1.6		13 11		5,9			2,0,0	
		. 96		1111			15	•	3		4.9			2.2.5	
		, , 84		1111			15	•	B		. 54			2.5.0	
	100.000	5.7		1			25		13		4.0			2,7,5	
		1 64					14.0	•	3	10.0	3.2			E.3.0.0 S	5+000
	1111	67			1111	1.1.1.1	36		3		4,6	1111		E,3,5,0 S	Agencies and the second
		7.8		11111		1111		-1-1-1-	3		8,6				
1.1	1111	. 75	- Lolololo	1111		-lilel be	1310	بتبيب						E.1.0.0 S	5,45,0,8
		. 60					1/15	ښين	13.11	11.	4.0	-1111	111	1.2,5	
		7.6		1111			3.5.		15.1					1.5.0	
-	1111		1111	1111	1111		25		B		8,6			,1,7,5	
1.1	13.13	1 66		1111	1-1-1-1	1111	1351	44	B		8.0	1111	1111	12.0.0	
-1-1-	1111	, , 72	1.1.1.1.	1111	1111		451	LLL	AII		. 83	1111	LEE I	2,2,5	
		, 123					15	111	Bull		6.0		LIGHT	2,5,0	
		79					5		B	Contract to the contract to th	. 4.0		111	2.7.5	
		, , 86		1444	Jul I I I		1511		1B1 1		6,0			E.3,0,0 S	5+508
esh	(40m	63	1111	1111	6111	1111	15.		B	1111	3,6		1	E,3,5,0 S	5,+,5,0,8
1.1	1111	102		1111		1111	10	1111	311	Control of the control of the control	5.9		100000	EBLO+	
1.1	0	N 89	1111	Lini	1.1.1.1	1111	20	•	B		1,3,3	7.11		E,0,2,5 S	
137		51	180-257				110		B		3,2				6+008

COMPA

PROJECT No: Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Fi. No. 3-920

DATE: Sept.14

ATTENTION:	W.G	Sm	ither	ingal	e		PHONE (6	504) 980-5814	4						983.
5ample.	10 <b>X</b> °	15 <b>%</b>	Pb ppm	Zn ppm	NI NI	35 آيو ک	Ag ppm	Depth.	50 Hg	As ppm	Mn ppm	Au ppb	Cu 70	75	80
81 86	90	95		105	and the same of th	Horizon 115	110000000			135	140	145	P P m <sub>50</sub>	155	16
L6+00S	E075S		1.1.1.1	, , , , 6,0		13.11		20	1111	1-1-1-1-		4111	114	-1-1-1-1-	1-1-1-1
	1.00	1 1 1 1	1111	7.4		3	1111	12001	1111	1111		1111	1.70	1 1 1 1	
	,1,2,5			.7,2		BI	-111	3,0,	1111	1.1.1.1		1.1.1.1	, , 9,6		11.1.1
1	1,5,0	4 6 x 4 1	1 1 1 1	4.0	1111	1311	1111	1/10	TITE	11.11	1.1.1.1	1111	, , 6,1	1111	1111
	1.7.5			5.8		3		10			1111		. 62	4444	
	,2,0,0	i	للللل	44	1.1.1.	B		120		1.1.1.1.	1111	4-1-1-1-	7.0		-
1,1 2,3	2,2,5			2.0	1111	BIL		5	1.1.1.1.	LLL	1.1.1.		1.32	1111	4111
	,2,5,0	- L	1111	6,8	عللت	B	111	125	1111		1111	111	7.4	1111	1111
T B G + B /	2,7,5		11-1-1	6,2		13.1	111	10	11.11	1 1-11-	1111	1 4 1 1	1 68	1111	1111
L6+00S				3,7		Bul	السبا	20			1111	1111	, 40	1111	1111
L,6,+,0,0,S	E,3,5,0 S		_1   1   1	4.2	1111	B	1111	10					94		1111
L6+50S			1111	, ,1,1,7	1111	IC. I	111	1500 1	1111	giley	5011/11	1111	1,70	(40 m	esh)
1 1 1 1 1	,2,2,5	1 1 1 1		1,2,0		B	11.1	3151	1111	11.11	1111	1111	104	1.1.1.1	نبب
	,2,5,0	1 1 1 1	1111	, ,3,0	1111	Bil	1111	12151 1	1111	1111	1 1 1 1	1110	, 60	1 1 1 1	
	2.7.5	لللاللا	1111	1 8,2	1111	B	111	451	1111	1111	1111		. 190	The second secon	esh)
s	,3,0,0	1111	1111	4.7	1111	BIII		1401	1111	1.1.1.1.	LLLI	1.1.1	, , 60	(40 m	esh)
F 1 E 1 1	,3,2,5			, 4,0	1111	B	1111	20	1111		1111		1 44		1111
L6+50S	E-3-5-0 S			3.0		BLIL	1111	20		بدليا	تبييا		140	1111	1111
L7+00S		Si Lii	Lil	103		IG LL	اللباليا	251	LILL	giliery	spinl	1111	1190	1111	1111
المتنب	2,7,5	1101	111	3.5		3		35			1111		, 30		
	3,0,0		1111	, , ,5,2	1111	BIII	1119	1/101	1-1-1-1-	1111	1111	444	4.7	.1.1.1.	4.1.1.1
1.1.1.1	3,2,5	1. 1. 1. 1.	1.1.1.1	4.0		BLII	111.	14101		1114	1111	والمات	100		عليا
1.1.1.1	3,5,0			. 30	1111	BI	1111	5	1111	11.1.1	LILL	1111	, , 78	1.1.1	1111
	,3,7,5	111		2,4		3.11	1111	12.51	1111	1111	1111		40	1111	
	4.0.0	-1-1-1		, ,5,6		B		1200	1	11111	1111		130		
1 1 1 1 1	4,2,5	بلياني.	1.1.1.	2,4		BILL	1111	12,5		1 1 1	1111		, 36	1.1.1	111
L,7,+,0,0,S	E,4,5,0 S	3-1-1-1	1111	34		3	1119	40	1111		للبلل	1111	1170		444
L-7+5-0-S		1 1 1 1	1111	1.132		Bil	1119	5111	1111		1111		N 86	1111	11/1
1111	,3,2,5	الماليات	ــا ــلـــلــــــــــــــــــــــــــــ	, , , 5, 9		BIL	111	5111		1111		1.1.1.1.	107		fu
L7+50S	E, 3, 5, 0 S	Litte	LLI	, , 32	1111	311	1119	10	Luc		1-1-1	Link	190	id.	h

CERTIFIED BY

PROJECT No.: Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

Sample. Number	10 15 MX XV puXn pXn	Pb ppm	Zn ppm	30 Ni ppm	35 50i/	Ag ppm	Dept	50 Hg ppb	As ppm	Mn ppm	Au ppb	Cu <sup>70</sup>	75	1983
1 86	90 95	100	105	:10	Horizan	120	(cm) 125	130	135	140	145	150	155	1
L7+50S	E375S	11116	4,1		<i>1</i> 3	1111	1/14		1-1-4-1-			1.28		1 1 1
# F F 3 F	4.0.0	_1_1_1_1	1, 3,4		3.11	1	13101	1111	1 1 1 1	1111	1111	1 .7.6	7 7 1 1	1111
a E Ci E	4.2.5		6.8		B	.1.1.1	3101		1.1.1.1		1111	120	1171	111
4 8 (4 8	4,5,0	E L I E	4.0	1111	13.1	1-1-1-1	120		1, 1, 1, 1,	List	1111	1.0.0	1111	
	4.7.5		2.4		B	4.7.1	2.5					7.0		
7+50S	E,5,0,0 S	_[	3,8		B		120				1111	, , 6,8	1111	111
28+00S	E350S		4.0		3	111	34		!LL	LLI		1172	1111	1.1.1
ту (- С. у., т.)	3:7:5		3.4		3	111	300	1111	1111	1111	4111	1.50	-111	ست
1 1 1 1	4,0,0		4.0		BI	1.11	30			بنبل		1192		
4 . 1 4 (	4,2,5	1111	5.6		B	1	30	1 4 4 4	1111		1111	1 94	(40me	sh)
1 1 2 3 1	,4,5,0	1.1.1.1	, , ,5,5	1111	B	111	35	1111	1111		1111	1,70		111
	4,7,5	111	, 44		BI	1111	40	1111	I I Jaka	1111	1111	1175	1111	111
sa as ji u u	5.0.0	1.1.1.1.	1 3,4	1111	3	111	300	1111	1111		1111	1 60		111
1 1 1	5,2,5	1111	4,6		B	1	351	1111	1111	1111	1111	1170		esh
L,8,+,0,0,S	E,5,5,0 S	1111	3,4	1111	3.		3.0	1111		L	1111	, , 5,9		
L, 8, +, 5, 0, S	E,4.0.0 S.	1111	4.6	11.11	311	111	20	1111	1.1.1.1	1111	11111	, 110	11.1.1.1	1.1.1
11111	4,2,5	1111	, 5,0	1111	B	111	251	1111	1111	1111	11111	, 128		
1 1 1 1 1 1	4,5,0		3,6		B	111	1/15	1111		.1	4 1 1 1	1 84	1111	111
1 . 1 . 1	4,7,5		, 3,2	-1-1-1-1	1311		13101			Lul	1111	1 88		111
1111	5,0,0	1 1 -1 -1	2,6		3.1	•	130	1111	1111	1	1111	, , 55		
V. 1 1 1 4	5,2,5		4,9	1.111	B	1119	12.51	1111	1111	1111		, 94		
11111	,5,5,0	1111	44	1111	Bull	1119	3, 1,	1111	1111	1111	1111	1178	1111	
- 1 1 4 1	5,7,5	1111	, , ,6,7	1111	BII	1111	11-110	1111	1 1 1 1	1111	7 1 1 1	. 144	1111	111
8+50S		1.1.0.1	12.2	1 1 1 1	3	1111	12101	1 1-1-1			1111	60		111
9+00S		I i i i I			B		40			1		72	1	
4 1 1 1 1 1	4.7.5	1.1.1.1	5.4		BIL	1115	25	1.1.1.1		Lini		1 80		
1 1 1 1	,5,0,0	1.00	7,6		BIL	1119	25	1111	1111	1111	10.1.1	107		
1 1 1 1 1	5.2.5	1.1.1.1	3.7	STATE WAS THE PARTY	BII		50	1.1.1.1	1111	1.1.1.1	1111	, 90	Transaction of the second	111
1111	5,5,0		2.5		B	1111	451	1111		1111		5.5		111
	E575S		20	And the second of the second o	B	•	15			1 1 1 1		5	1/	nesh

PROJECT No. Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C., V7M. 1T2 PHONE (604) 980-5814

1	0	0	2	
_	7	О	3	

ATTENTION	W.G. Sm	ither	ingale		705 WEST 15		04) 980-5814	ER, B.C. V7M					1	983.
Sample. Number	AX X.	Pb ppm	20 25 Zn ppm 00 105	30 Ni ppm	35 Soil. Horizas	A0 Ag ppm 120	Depth (cm) 125	50 Hg ppb 130	55 As ppm 135	60 Mn ppm 140	65 Au ppb 145	Cu 70 ppm 150	75	8
L9+0.0.S	E600S		5.6	1.1.1.1	В		Va	11111	1111	1.1.1.6	1111	1 80	TILL	111
L9+50S			8.0		В		400	1111	1111	1.11		11.70		111
of a back	5.2.5	1	5.0	LLL	B	1111	301			1111		4.6		
6.65	5.50	A con	2.9	1.1.1.1	3	1	151	1111		1.1.1.	173 6	7.6	CLUT	111
-	5.7.5		4.8		B	:	2.5			1		136		
KILLER	6.0.0	-1.1-1-	5,6	1111	B		1.5	1111		1111	1111	1114		111
10.11	6,2,5	Jul	1,5	1111	A	1.1.1	40	2.1.1.1		1111		1,6		111
L9+50S			3,6	1111	B	1	3.01	1111	1111	1111	ш	, , 72	1111	111
L10+00	S,E,5,5 0,S		3,2	1	B		20			1111		, 66		
	5,75	4	4,2	1111	B		10		444	ببيد		154		111
	6.00	سبب	6.0		B	نىب	5		1111	Lu		198		
11111	6.25	1111	, , , 44	1111	ANB	LLI	1/101	1111	1114	1111		11.78	1111	111
	6.50		3.8		B	٠٠٠٠	10	1111	1111	1111	LLL	, 166		111
1111	, ,6,7 5, , ,	1 111	, , 4,0	LI LL	311	111	1/10	1111	1111	1111	1111	, , 56	1111	111
L10+00	SE700S		4.4	1111	3.1		-5			4444		, 80		
L10+50	SE6005	4111	8.0	15	B	1111	12	1111	1111	1111	1111	134	1111	111
1.010	, ,6,2 5, , ,		6.6	-1-1-1	BIL	بنبيا	1511	1111	1111	1111	1111	107	-1-1-1-1-	111
3 4000	, ,6,5 0	1	7.7	-1-1-1-1-	BIL	العادا	4,5			ببيد		156	110	111
4.4.4.4.4	, ,6,7 5, , ,	Jui	24.8		A	111	HIOLI		1111	1111	1111	, 112	(40m	esh)
1000	, 7,0 0, ,		3,7		B	ىنىب	40.					76		
C. J. Dallada	7,25,	++	4,6		BII	العسا	12.5	1111	1111	TILL	1111	5.7		
TO SOUTH THE STATE OF THE	S,E,7,5 0,S	1111	2,4		B	1119	45	1111	1111	1.1.1.1	1111	, 46	1111	111
L11+00	SE650S	1 111	1.14	1111	A	u.i.	130	1111	1111	1111	1111	. 10	للللا	111
11111	6.75	1 111	8.0	1-1-1-1-	AUB	1111	40.	1111	4444	1111		110	// 0-	
	7.00	1111	44	Participation of the Participa	3.1	· · ·	50					. 96	.(40m	esn)
1,1,1,1	7,25	1111	24		BIL	444	20	1111	1.1.1.1	LUL		78		1.1.1
	7,50	1111	2,6		BIL		10	1111		1111	1111	. 84	1111	111
11+00		1111	3.2	1111	BI	1119	5	-I-I-I-I	1111	1111	1111	1179	1111	
and the second s	SE700S	1	62		BILL	111		1111	1111	1111	-1111	128	(1)-1-	1/-
11+50	SE7255	1 1111	2,8	11111	BIL	111	3,5	STATE	1111	Luc	بسب	86	(40m	esh)

PROJECT No Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C., V7M 1T2

DATE: Sept.14

1092

ATTENTION:	W.G.	Smi	theri			705 WEST 151		H VANCOUVE 504) 980-5814	1						983.
Sample. Number	AX 90	0% p. 3% p. 3% p. 3%	20 Pb ppm 100	25 Zn ppm 105	Ni pom	Soil Horizon 115	40 Ag ppm 120	Depth (cm) 125	50 Hg ppb	55 As ppm 135	60 Mn ppm 140	65 Au ppb	Cu ppm <sub>150</sub>	75	8
L11+50	SE 750	s	- 1 J-6	8,2	1111	В	1.1.1.1	20	1.1.1.1	L. D. Lebe	1		192	4.1.1.1	1.1.1.1
11111	7.75			3,6	1111	13	1111	12.5	1111	1111	Lini		5.8	11-6-1	4111
	. 800	)	1111	5.9		3	144	30		L. b. J. J.		1111	56		
4 1114	, 8,2	5		3,6	1.1.1.1	B	1111	30	1111	1111	1111	1111	50	1111	111
11+50				6,0		B		4.0					8.8		
12+00	S,E,7,5	) S	-1-1-1-1	3,2	1111	B	1111	50	TALL		Jun	LITE	1 44	1111	411
a from to	7.7	5	1111	5.9	1111	13		12:51		1116	1111		136		111
San San	, 8,00	)	1111	5.0	4111	B		40	1111		1111	11 11	, 94	1111	111
11111	, ,8,2 5	5	1111	4.4	1111	13	1111	HID	1111	1111	1111		, 80		
12+00	SE 85	).S		4.9	1.1.1.1.	B		40		1111	1111		1.7.0		-
0+00-	0.2.5.N			1.0.2	1111	311		30		1113	1111	1111	118		
e fred a	0.5.0	4111	1111	8.6	1111	BU		1351	1111	1111	1111	1111	11.76	1 1 1 1	111
1 1 1 1 1	0.7.5			3.6	1111	BIII		1200	1.1.1.1	1.011	1.00	1111	35	1.1.1.1	111
LO+00-	1.0.0 N		6111	1 7 . 8	1.1.1.1	B	1111	40	1111	1.1.1.1.	1111	3.1.1.1	. 198	3000	111
LO+5.0S	E.0.2.5	1	1111	3.0		BI	111	251	1111		4114		52		
	0.5.0	Voter V	2111	17.6	1111	3.1		1310	01.01	1100	1111	1111	1174	1111	
L0+50S	E.0.7.5	1		4.0	Line	BIL	1111	251	1111	1111	1111		1 88	1.1.1.1	
L,1,+,0,0,S	E,0,2,5	1, , , ,		6,2		Bi		451	1.1.1.1	-1-1-1-1	1111	444	, , 80	1111	1.1.1.
11111	0.5.0	1111		8.8	1111	BILL	1111	401	1111	1111	Jake	1111	11.76		
	0.7.5			4.1	1.1.1.1	B		50.					. 80		
L,1+0,0,S	E,1,0,0	1	1111	6,8		A	1119	600		1.1.1.1.	بيبيا		1192	1111	
L,1,+,5,0,S	E,0,2,51	1, 1, 1		4.8		BIL	111	3.0		1.1.1.1.1.	1111	1111	, , 7,6	1111	
LULIA	0.5.0		1000	5.8		But	1111	3101	1111	1111	1111	Listin	1 66	444	111
11414	0,7,5	411		2.8		B. 1		4.51	1111	1111	1111	-	1,30	1111	144
1,+5,0,5	E.1.0.01	V		7.2		B	:	30			1111		149	1	
2+005		V. 1.	-1.1.1.1	5,2		BII	1115	312	1111	1111	4444		, 110		111
11111	,0,5,0	i Li		5,0	-1-1-1-	BIL		10.	L.I.I.I		سبب		59		111
2+0.05			63.14	4.0	1111	3 1		40	LILL	1.1.1.1	1111	- Laboratoria	60	1111	114
L,2,+,5,0,S	E,0,2,5	1, , ,	1111	, ,3,4	1111	B		35	Line	1111	1111	1111	1 44		11/
L2+50S	E.0.5.01	V	1111	44	131-1-1	B	1119	500	1111	17.17	1111	1.1.1.1.	40	1	in

PROJECT No.: Eloise

W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2 PHONE (604) 980-5814

Fi. to. 3-920

DATE: Sept. 14

ATTENTION:	W.G	. Sm	ither	ingal	e	705 WEST 151		4 VANCOUVE (04) 980-5814	R, B.C. V7M	1T2					1983
6	10	15	20	25	30	35	40	45	50	55 As	60 Mn	65 Au	Cu 70	75	80
Sample.	X.o	20	Pb	Zn	Ni	Soil	Ag	Depth	Hg	ppm	ppm	ppb			
Number 81 86	<b>90</b> 90 €	p <b>X</b> n 95	ppm 100	105		Herizons		(cm) 125	130		140	145	<b>PP</b> m 150	155	160
L2+50S	E 0 7.5 N		1 1 1 1	100	1 1 1 1	3.		301	-1-1-1-1-	1 1 1 1			7.6		
	100		1111	240	1111	( )	1	15101	1111	gley	SOUVE	1111	1,3,8	(40 m	esh)
L2+50S	E125 N		1111	151	1111	4		115		gley	50111		140	1.1.1.1.	
L3+00S	E025N	1 1 1	1111	:3.7	1111	B 1	1111	1315	1.1.1.1.	1111	1.1.1	1111	11.76	1111	1301
	0.5.0	1 4 4		5.8		B		40			1		1.1.0		
	,0,7,5	414	_1 1 _1 _1		1111	13.11		25	1111	111	سلسلسل	1111	1,3,8	1111	
L3+00S	ELOON	11.1		5.1		B		619		1-1-1-1-	1111	1111	1.65	باللبال	
L3+\$0S	E025N	1.4.4	1111	1.32		B		1200		1111	1111	1411	1 29	.1.1.1.1	
1 1 1 1 1	0.50			4.2		181_1	1111	12,5	1111	-1-1-1-	11.11		, , 64	TITL	
	0.7.5	1.1.1		4.3	1111	B		40			1444		, , 6,0	حلنات	
L3+50S	E100N			1 24		Bull		35	1116		1111		1 28	1111	
L4+00S	E025N	1.1.1		6.8		BI	1111	20	1111	1111		1111	100	1111	1111
1 1 1 1 1	0.50	11.6		16.7	1.1.1.1	BI	1111	101		1.1.1.1.	سيبا	1111	8.9		1111
1111	10,7,5		1111	. 5,7	1111	B. 11	1111	1100	1111	1116	1111	1112	, , 99		1111
L4+00S	E, 1, 0, 0 N.	C. L. J.		4.8	1111	AAB		5			11111	1411	, 66	LLLL	
L4+50S	E 2 2 5 S		1 1 1 1	1 100	1111	1111	1117	11.11	1111	1111	1111	1111	129	1.1.1.	1111
L5+00S	E 0 2 5 N		1111	1.17.0	1-1-1-1-	BIL	1111	1/5		1115			, 180		
1 1 1 1 1	10,5,0			3,2	1,1,1,1	3	111	11.5	11.11		1111		, , 6,9	1.1.1.1.	1111
	10,7,5			7.2	11.11	2		120			1111	1111	,13,7		1111
	1.0.0			4.6	حتني	3.1		2.5				1111	6.1	حينيت	444
L5+00S	E, 1, 2, 5 N	المال		1,7		A		101		1111	1111	1111	1.0	(40m	esh)
L5,+,5,0,S	E,2,0,5 S		1111	,1,1,6			1119			1111	1111	1111	9,8		1114
L 6+00S			1111	, , 3,4	1111	311	1111	1215	1111	1111	1111		, , 4,8	1111	
	0.50		1.1.1.1.	1112	1.1.1.1	311	1111	501	-1-1-1	1	LLLL		, , 9,0	1111	اللت
	0.7.5			8.0		3	111	3.0		1441			7.4	late L	1111
L6+00S	E 100 N			1114		3	1119	40	1111	1111	1111	1.1.1.1	104	البابابا	
L, 1, 1, +, 5, 0				7,4		1-6-1-6-	1-1-1-1	1111			1111		5.7		esh)
L1+00N	W100S	1111	-1-1-1-1	1 54		13		1200	1111		1111	1111/	1 80	(40m	eshi)
1111	1,50			3 <sub>1</sub> 8	1111	AAB		351	1111	1	1111	1	68	, 940 п	esh)
$L_1 + 0_1 0_1 N$	W.2,0,0 S	1 1 1 1	4 1 1 1	7,9		3	1-1-1	30	1111				6,0	his	1

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W.G. Smitheringale

GEOCHEMICAL ANALYSIS DATA SHEET

DATE: Sept.14 1983

PROJECT No.: Eloise

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

ATTENTION:	W.G	. Smi	theri	ngale		703 17231 13	PHONE (6	04) 980-5814	4						1983.
Sample.	10 /#©	15 <b>X</b> U <b>X</b> M	20 Pb ppm	Zn ppm	Ni ppm	Soil	Ag ppm	Depte Depte	Hg ppb	As ppm	60 Mn ppm	65 <b>Au</b> ppb	70 Cu ppm 150	75	80
81 86	90	95	100	105	,10	Harizen 115	120		130	133	140	143		133	160
L,1,+0,0,N		S	1.1.1.	34	1111	3	لأبيي	130	لللا		1111	1111	30		11-1-1
15111	,3,0,0	el ne		6,5	حبب	13 11	111	3011		1111		1.1.1.	, , 76	1111	111
1111	3.5.0	1111		1.5		B	ىئىيى	4.0	1111	1111		1111	14	(40m	esh)
1 1 1 1 1	,4,0,0	1.1 1.1	1_1_1_1	, , 3,5	1111	1311	1111	1401 1	1111	1111	1111	1.1.1.	1168	1111	1111
	4.5.0			. 23		B		3.0.					42	(40m	esh).
1.1.1.1	,5,0,0	1111		, 85	1111	4	111	1200		للللا	1111	1111	1.77		1111
1 1 1 1	,5,5,0	1 1 1 1	1111	, , 1,2		BACI		20	1.1.1.1		Luc	1116	110		
L,1,+,0,0,N	A STATE OF THE PARTY OF THE PAR	CONT.	1111	1,0	1111	Au	1119	#101		1 1 1 1			1190	(40m	esh)
L2+31N				, 12	1111	Au	1111	2111	1111		1111		, 10	(40m	esh),
L2+00N			1111	. 24	1 1 1 1	B	111	40	1.1.1.1			4.4.4.4	38		1111
	3.5.0			. 25		3		13157	1111	1111	1111		1160	1111	
	400			60	1 1 1 1	Au		13.5	1111	1111	1111	1.1.1.1	1164	1111	
	450			56		13.1	•	(2.10)	1111		1111	1111	160	11.11	
	5.0.0			3.6	3 1 1 4	3.11	•	2.51	1111	1111	1111	1111	, , 60	1111	
	5.5.0			3,3		3	•	3.0	1111		1161		78		1111
	6.0.0			1 13.2		13		12101			1111		, , 84	1111	1111
1-1-1-1-1	6,5,0	1 1 1 1		4.8		B		140			11		, 112		esh)
7.01003			1111	2.8	CASAGE THE STREET	B	- 1 1 1 1	1/5					, 60		
L2+00N			111	1 25	The state of the s	B	-	1/10			1		, 48		
L3+0.0N	3.5.0			2.7		B	111	2.0			1		, 48		
	4,0,0			2.0		B	-						20	(40 m	esh)
		CONTRACTOR OF THE PARTY OF THE	1111	3,3		100000000000000000000000000000000000000	1111	1161		1111			80		
J. 1 1 L L	4,5,0		11-1-1		1111	BIL	HIL	115	1111	1111			58		
1 1 1 1	,5,0,0		161	3,7	1111	BII	1-1-1-	291		1-1-1-1			3,8		
11111	5.5.0		-1-1-1-1	2.5		BIL	I	201		1		1111	82		
11-11	6.0.0	The same of the sa	1-1-1	4.2	1111	В	ستسا	30	1111		1111		34		
1111	,6,5,0		1111	2,6	The second control of the second	<u> </u>		12,0		1 151 15		1111			1111
	,7,0,0		1111	3.5		BIL	1119	Za	<del></del>		1111	1111	64		1111
11111	17.5.0			3,4		311	1119	251		1111	حبيا		44		1111
L,3,+,0,0,N			1111	, 3,4		311	1119	10	1111	1111		1111	8.4	()	und
L4+001	W400	S		, , , 2,3	1111	1311	1119	401	1111	1111	سيبا	hand	40		The state of

COMPAN

PROJECT No.:

W.G. Smitheringale

Eloise

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FIL \_10. 3-920

ATTENTION:			herin		30	25	PHONE (6	04) 980-5814	50	55	601	45	70		1983.
Sample. Number 86	10 590 590m 90	15 96 p <b>36</b> n 9	Pb ppm	25 Zn ppm 105	30 Ni ppm	35 5 - 14 Harizall5	Ag ppm	5 Dept (cm)125	Hg ppb	As ppm	60 Mn ppm 140	Au ppb	Cu PPm 150	75	1
L4+00N	W4505	3	1111	1,14		A	:	Ha	1111	11111	1,		1,10	1111	
11111	500	1111	1111	1 129	1111	1311	1111	How	1111	1111	1111	1111	11.93	1111	
11111	5,5,0	mi		3,2	11.11	B	···	1/10		11.11	1111		. 85	1711	
11111	600	1111	1111	1 13,5	1111	BII	1111	1/101			1111	1111	83	1.1.1.1	444
1111	650			3.0		B.,		20.					56		
	,7,0,0	1111		12,7		BIL	ui	1/101	سيب	11.11	1111		1 58		
L4+00N	W.7.5.0	5 1		1 13,1	1111	BII		300	1111	1111	1111	1111	1,7,0	1111	
L5+00N	W500	Silvi	1111	13.0		BII	111	25	1111	1111	1111	1111	8.1	1111	
LULL	5.50		1111	1 24		Bush		50		1111	1111		1 44		
	6.0.0		1111	12,3		Bu		30	1411	1111	1111		. 44		
11111	650	1111		3.9	1111	A+B		501		1111	بنبد		11.93	(40me	sh.)
	7.00	111		12.5	1111	311	ui	15101	ــــــــــــــــــــــــــــــــــــــ	1111	1111	1111		(40me	sh)
11111	7.50	1111	Line	12.8		B. 1		40	LLL	1111	LILL	1111	1 66		
L5+00N	W800	3. 1. 1	1111	1. 13.3	1111	18.1	1119	401	1111	1111	1111	1111	1 81	1111	
L5-+0.0N				13.1		B	:	30	1111		1111		105	1111	
L6+00N	W.6.0.0	3. 1	1111	13,0	1111	Bull	1111	1357	FLLL	1.1 (3)	1131	1111	, , 5,8	1111	111
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11 () (	7.0.0	1111		1, 12,7		Bul	111	140	1111		1111		, , 2,9		111
	,7,5,0	1111	Luin	2,4		Au		300	1111	1111	1111	1111	4,6		444
L6+00N			Line	2.0		A,	···	.3.0.						(4,0 m,e	s.h.).
L, 7, +, 0, 0, N				, , ,2,5		BIL		200		ببين	بتنيد		, , 62		
$L_7+0.0$	W, 7, 5, 0 S	Silvi		4.1		Bull	1119	351		1111	1111	1111	. 44	1111	سب
L7+50N	W800	3111	1111	1.46		BII	ئىب	Sou		1111	1111	1111	, , 8,0		
L5+00N		V		13,3		BIL	44.	1/11	1111	1111	1111		1 89		
-	.1.0.2			2.3		Bu		312			1111		6.0		
	103	1111	1111	2,5		1011	1119	1251			تبييل	1111	84		سب
11111	1.04	ببت	1111	13.1	The state of the s	3.1.				1111		إبيي	113	1111	4
11111	1.05	الله		1 2.6		BII	1119	401	uni	-1111	ببيد	11pm	1)5,1	711	1/1
1111	,10,6			34		BIL		451		بببب	1111	1/1	1 08	1)	4
L5+QQN	W1071	NILL	Luis	1,126	1111	BI	1119	40	1111	41144	Comme	M	2139	Danie	tru

COMPA

PROJECT No.:

W.G. Smitheringale

Eloise

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

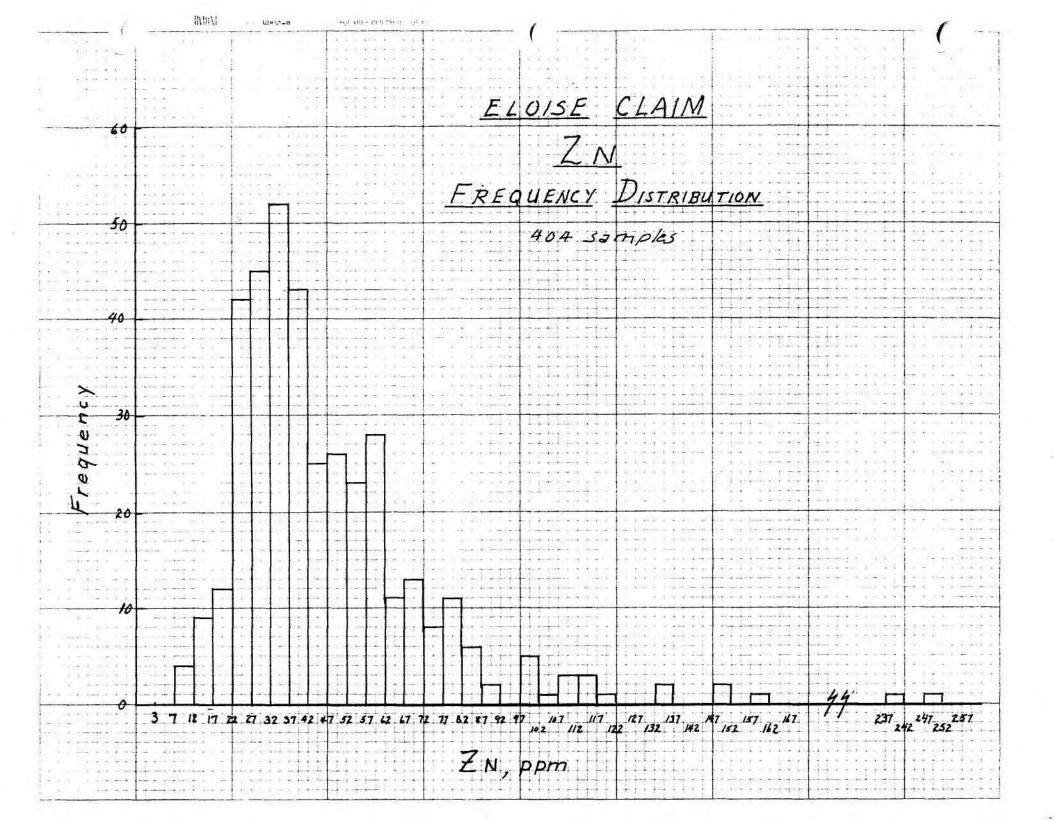
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

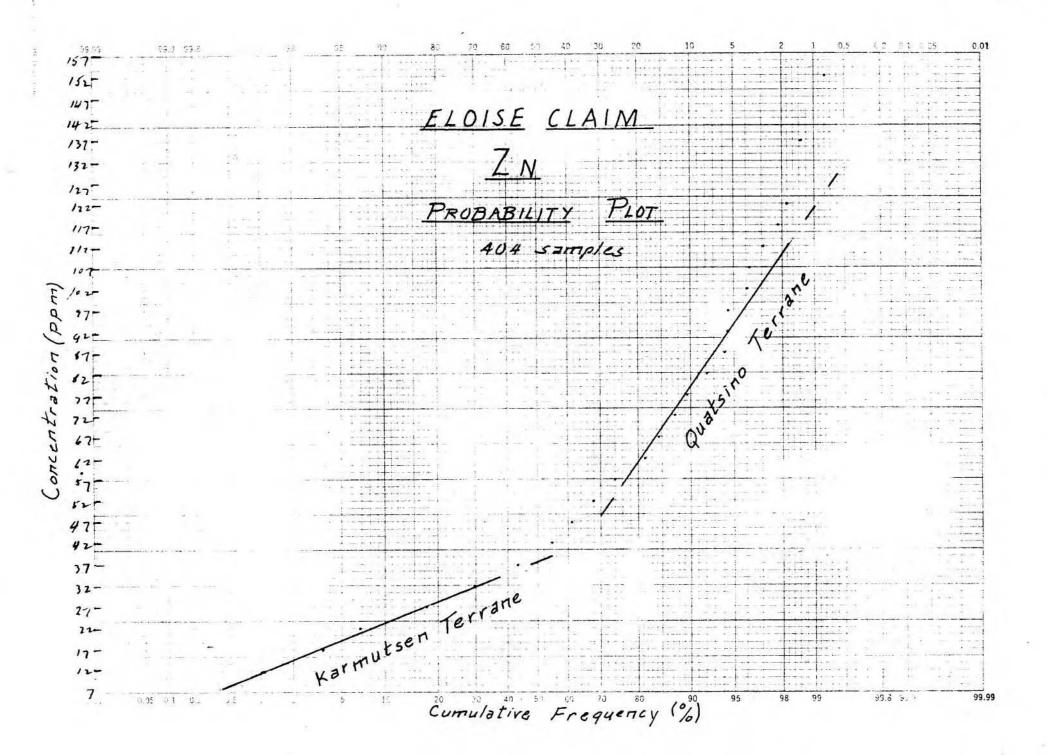
F. \_. No. 3-920

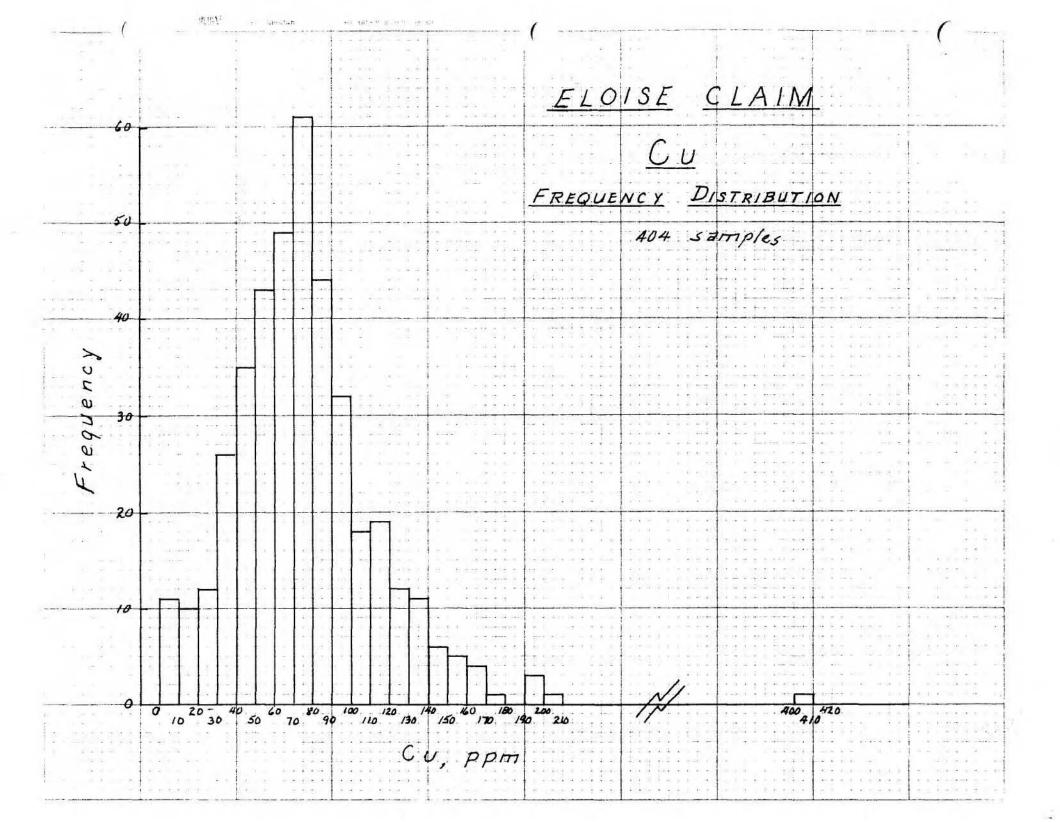
DATE: Sept. 14

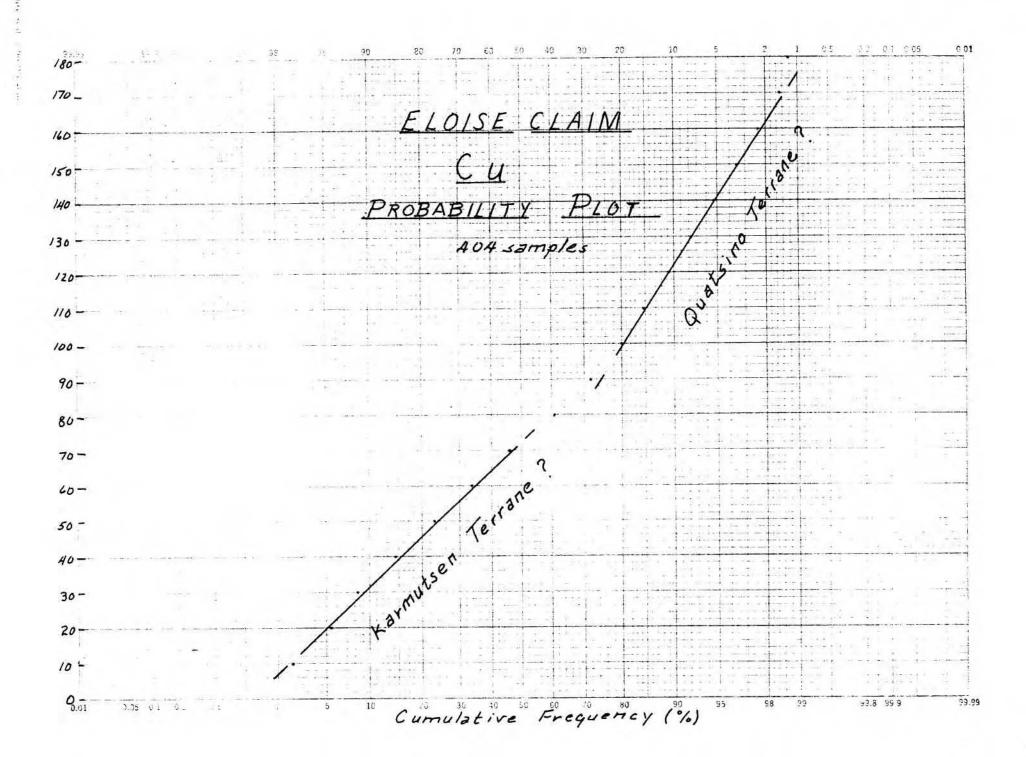
ATTENTION:	W.G.	Smi	theri	ngale		705 WEST 151	PHONE (6	04) 980-5814							1983
6 Sample. Number 81 86	10 A <b>K</b> P <b>R</b> <sup>m</sup> 90	15 50 p36m 95	Pb Pb ppm 100	25 Zn ppm 105	30 Ni ppm 110	35 -5011 Hecizens	Ag ppm 120	Dee/2 (cm) 125	50 Hg ppb 130	As ppm 135	60 Mn ppm 140	65 Au ppb 145	Cu 70 PPm 150	75	16
L5+50N	W.10.1	Link	1.1.1.1	3.1	1111	B		110	1111	1111	1	1111	1.75	1.1.1	1.1.1.1
11111	1,0,2	11.11	1111	, , ,5,7	444	311		351		1.1.1.1	1111	1111	1118	(40m	eshi)
1.1.1.1	1,0,3			2,8		B		65		1.1.1.1	1111	Liste	33		1111
11.616	,1,0,4	1111	1.1.1.1	4.0	1111	1311	1111	40	1111		TELL	1.00	1150	11.11	1011
.5.±5.0.N	W.1.0.5			3.0		AdB	:	.30.			1111		. 84	(40m	ech)
6+00N	W.1,0,1	1.1.1.1.	1111	4.2	1111	BIL	1111	3101	1111	1111	Lua	1111	1178		uù
1111	,1,0,2	160	1.11	3,1		B	141	131011	1111	1.1.1.1	1111	1111	1 42	1111	
CLUL	1.0.3	and the same	Laborate de	1 27		B	111	310	1111	1111	1111	1111	11 66	1111	1111
L6+00N	W1041			3.6		BIL	1111	30	1111		1111		1149	(40m	eshi)
L6+50N	THE RESERVE THE PERSON NAMED IN		6111	3,2		3		100	4444		1		1113		
111,111	1,0,2			2,3		1311		30	1111	14414	Luci		7,8	4444	
6+50N	W1031	Link	1111	1. 2.8		A, 1	1111	1357	1111	1111	1111	1111	11 45	1111	
L7+00N	W101	1.1.1	1411	3,5	1.1.1.1	13.1	1111	30	1111		Lui	1111	1 82	LLL	
L7+0.0N	W.1.0.2	Link	1111	3.0		13.11	1111	310	1111		1.111	2113	. 1 67	1111	
L7+5,0N	W,1,0,1	1, 1, 1		,1,6,0		BIL	:	20			1111		403		
14.01	111	2220	CELL	LILL	1111	1111	1111	1111	1111	1111	Lui	1.1.1.1	1111	11.00	
Links I.	1111	hal bat	1111	4111		LLLL	1111	1111	1111	1111	1111			1111	
L. C. L.	1.1.1		Lat Late	4114	1111	441	1113	1.1.1.1	1111	1111		1111	1111	444	
	111	1111		1111		1111	444	-l-L-l-l-			1111		1111		
	111						:								
	111	حلالم		1111			1119		1111	11110	حبيد		1111		
	1.1.1	1111		4444	4444	Lul	1119	1111	1111	1114	141		1111	1111	
CLOCK	111		1111	TALL		1111	1111	1111	LILL	11111	1111	1111	1111	1111	
11111	111			444	1111				1111		444		عبلا		
		1411	1111	بابد		1111	•••				بببل				
4411	111		1-1-1-1-	44.14				-	1111		1111		444	سيب	
		ī.		المالا	1111	444	1119	1111		1111	1,1,1	1111	1111		
(1) (1)			1111	4444		1111		2166	1111		1111		114	1111	1111
	111			1.1.1.	1111	1111	111	1111	11.11	J. Label	-		AL	(1)	/
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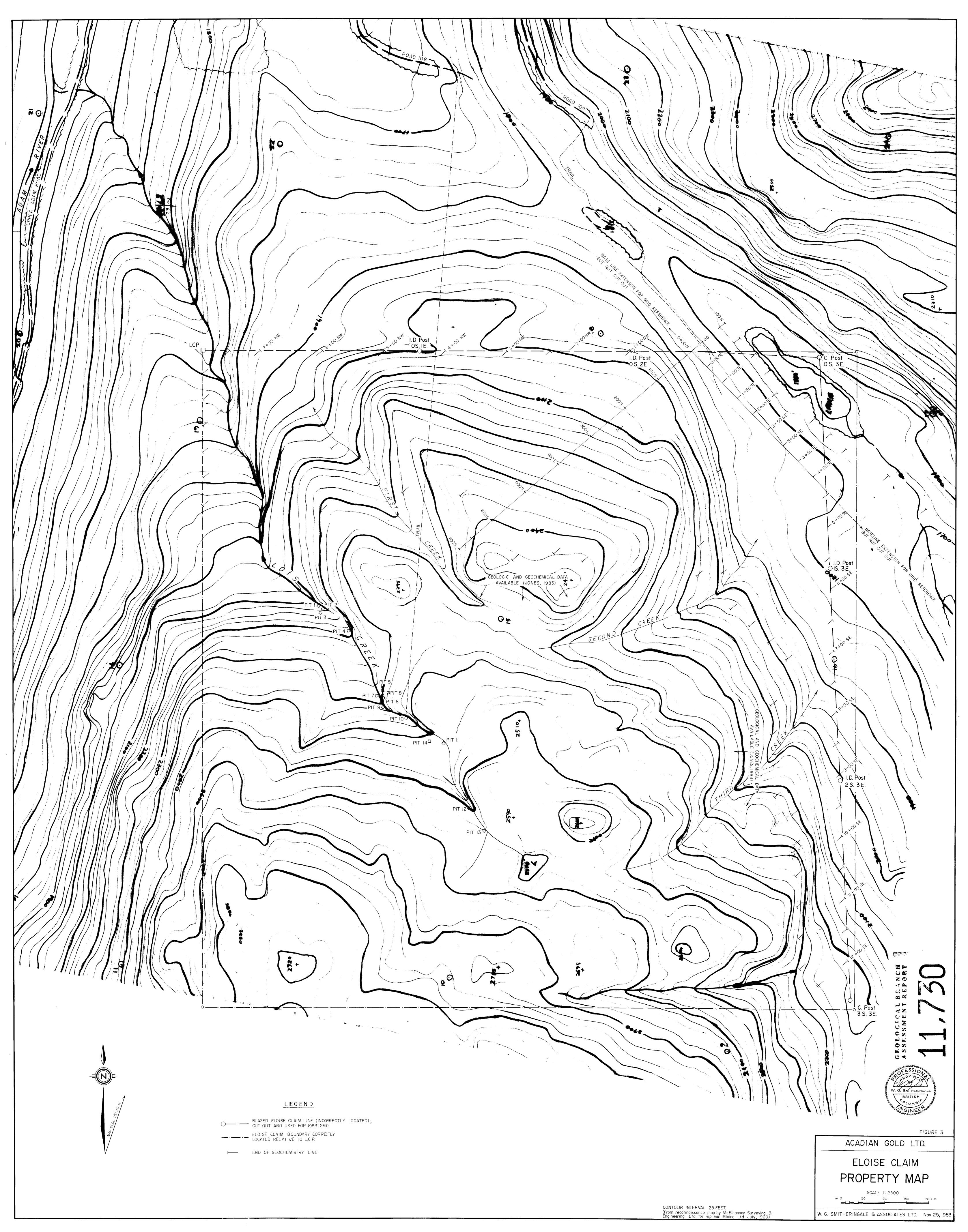
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O C. Post O S. 3 E. X 3 Im thick
Ls overlain
by 2, underlain
by 3 with py.
8 minor cp in
amygdules. 1, 2 & 3 cp in qtz-epidote pods (amygdules ?) and stringer 050/v Im thick Ls Disseminated op in qtz.-epidote fractures 020/60 E ; Im thick Ls minor bornite and cp in amygdules and in qtz-epidote stringers Blebs of bornite 8 cp in epidotized fractures  $\sqrt{2}$  (some 1) Ls lenses between pillows Shear zone with schistosity 140-150/80 N.E. in N.W. wall of creek fault.

LEGEND

Andesite: massive, pyrrhotite rich (sill?) QUATSINO FORMATION

Limestone: medium grey, massive and laminated

BLAZED ELOISE CLAIM LINE (INCORRECTLY LOCATED); CUT OUT AND USED FOR 1983 GRID.

ELOISE CLAIM BOUNDARY CORRECTLY LOCATED RELATIVE TO L.C.P.

KARMUTSEN FORMATION Basalt, undifferentiated: mostly very fine grained and nonporphyritic, some with small pyroxene and plagioclase phenocrysts; amygdaloidal or massive. Basalt: dominantly pyroxene porphyritic, may contain

minor plagioclase phenocrysts; amygdaloidal or massive Basalt : dominantly plagioclase porphyritic, may contain minor pyroxene phenocrysts; amygdaloidal or massive.

Thin beds or lenses of limestone between basalt flows

(I) Outcrop or outcrop area

Small outcrop □ Exploration pit, pre 1983

Sink hole

✓ 

→ Bedding, probable bedding Joint set; dipping, vertical Fracture cleavage

Schistosity Fold axis, plunge, direction of plunge Fault, observed, assumed

Geological contact, observed, assumed

CONTOUR INTERVAL 25 FEET. (From reconnaissance map by McElhanney Surveying & Engineering Ltd. for Rip Van Mining Ltd. July, 1969)

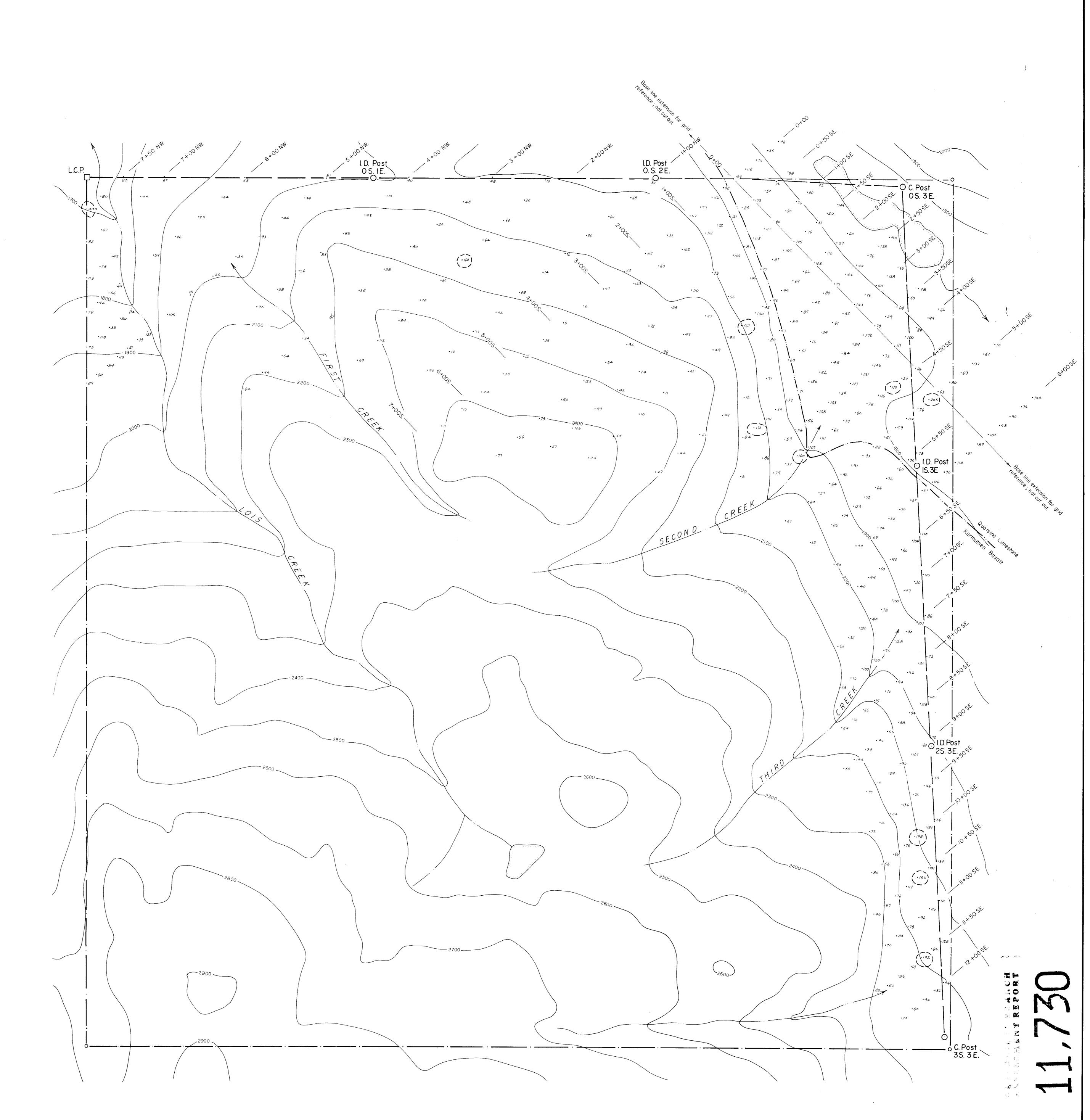


FIGURE 4 ACADIAN GOLD LTD.

ELOISE CLAIM

GEOLOGY SCALE 1: 2500 50 100 150 200 m

W. G. SMITHERINGALE & ASSOCIATES LTD. Nov. 25, 1983



MAG. DECL. 23° 20'N

LEGEND

ELOISE CLAIM BOUNDARY CORRECTLY LOCATED RELATIVE TO L.C.P.

GEOCHEMICAL ANOMALY

ASSUMED CONTACT BETWEEN
QUATSINO AND KARMUTSEN FORMATIONS

BLAZED ELOISE CLAIM LINE (INCORRECTLY LOCATED); CUT OUT AND USED FOR 1983 GRID. W. G. SMITHERINGAL BRITISH COLUMBIA CAGINEER

FIGURE 5

STATISTICAL INTERPRETATION

mean (ppm) standard threshold (97.5 cumulative %) (ppm)

Quatsino Terrane 86.9 37.7 165 >165

Karmutsen Terrane 73.3 38.3 155 >155

ACADIAN GOLD LTD.

ELOISE CLAIM

SOIL GEOCHEMISTRY

Cu, ppm

CONTO UR INTERVAL 25 FEET.

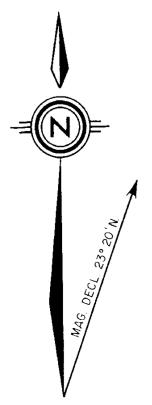
(From reconnaissance map by McElhanney Surveying & Engineering Ltd. for Rip Van Mining Ltd. July, 1969)

SCALE 1: 2500

M 0 50 100 150 200 m

W. G. SMITHERINGALE & ASSOCIATES LTD. Nov. 25, 1983

.27 .26



LEGEND

O---- BLAZED ELOISE CLAIM LINE (INCORRECTLY LOCATED); CUT OUT AND USEID FOR 1983 GRID.

ELOISE CLAIM BOIUNDARY CORRECTLY
LOCATED RELATIVE TO L.C.P.

ASSUMED CONTACT BETWEEN
QUATSINO AND KARMUTSEN FORMATIONS

GEOCHEMICAL ANOMALY

STATISTICAL INTERPRETATION

mean (ppm) standard threshold (ppm) (ppm) (ppm) (ppm) (ppm)

Quatsino Terrane 63.6 33.6 143 >143

Karmutsen Terrane 36.8 15.5 70 >70



FIGURE 6

ACADIAN GOLD LTD.

ELOISE CLAIM SOIL GEOCHEMISTRY

Zn, ppm SCALE 1: 2500 50 100 150 20

W. G. SMITHERINGALE & ASSOCIATES LTD. Nov. 25, 1983

CONTOUR INTERVAL 25 FEET.

(From reconnaissance map by McElhanney Surveying & Engineering Ltd. for Rip Van Mining Ltd. July, 1969)