

82-48-10122

GEOLOGICAL REPORT

On the

LOBO CLAIMS

GREENWOOD MINING DIVISION

119°W Longitude; 49° 22'N Latitude
N.T.S. 82E-6E

Owner: Emerald Isle Resources Inc.

Operator: Peter DenHartog

Consultant: E. Percy Sheppard, P.Eng.

Author: E. Percy Sheppard, P.Eng.

Date: February 5, 1982

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

10,122
NO. _____

Lobo Group

I N D E X

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Operator	
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Assessment Work Costs
Geochemical Assay Certificates (3)

MAPS

Location Map	Fig. 1	
Claim Map	" 2	
Regional Geology	" 3	
Property Geology	" 4	Scale: 1:9600
Geophysical Survey:		
Geochemical Readings, ppm	Mo, Ag	
"	"	Cu, Ni
"	"	Zn

- - -

References:

Map 15, 1961, Sheet 82E, Kettle River,
West Half (C.F.Cairnes)
Map 538A, 1940, Kettle River, West Half
(C.F.Cairnes)
Map 6, 1957, Kettle River, East Half
(H.W.Little)

GEOLOGICAL REPORT
LOBO CLAIMS
Greenwood Mining Division
British Columbia

INTRODUCTION

The LOBO group consists of 13 staked mineral claims, as follows:

Lobo #1-#6
Sneaky Snake #1
Foxy #1-#6

The claims are located 32 km from Westbridge on Highway 33, northwest along the West Kettle River Fork and 3 km west of the river.

A network of logging roads crisscross the claims and provides access to the northwest corner of the group.

Current Owner: Emerald Isle Resources Inc.

Operator: Peter DenHartog

History: Mining activity in the area reached its peak during the early part of the present century when more than 22 million tons of copper ore containing gold and silver were mined in the Phoenix and Deadwood camps. Present activity in the area has been toward the discovery of gold and silver, either as veins, strata-bound deposits or replacements containing gold and silver as well as copper, lead and zinc.

The silver mines at Beaverdell, 5 km east of the Lobo group, have operated for the past 55 years at 150 tons per day. These mines supplied ore to the smelters at Grand Forks, Greenwood and Boundary Falls.

GENERAL GEOLOGY

*The oldest rocks in the area are the Monashee and Grand Forks groups, occurring in the northwest and southeast part of the area. They comprise paragneisses of pre-Pennsylvanian, or Precambrian age. The Mount Roberts formation, greywacke, greenstone, limestone and paragneiss occurs well outside the area of interest in this report. The Anarchist group, greenstone, greywacke, limestone and paragneiss may be, in part, equivalent to the Mount Roberts formation and occurs around the Beaverdell area. Volcanic rocks of the Rossland group, containing andesite, laite, agglomerate and flow breccia, and minor greywacke, are also outside the area of interest.

The Nelson intrusion, granodiorite, porphyritic granite, diorite, monzonite and quartz monzonite, underlies part of the claim group. The non-porphyritic granodiorite is the dominate phase of the Nelson granite.

Valhalla intrusions of granite, porphyritic granite, are gradational in some localities but in the area of interest they appear to cut the earlier rocks. The age of the Nelson and Valhalla intrusions is usually between latest Jurassic and Middle Cretaceous.

The Kettle River formation consists of rhyolite and dacite tuff, locally conglomerate, sandstone, shale, minor rhyolite flows, and intrusive porphyritic rhyolite. All formations mentioned have been folded. The main N-S valley of the Kettle River, northward from Rock Creek, contains strong shear zones that were developed after the intrusion of Nelson granite. Subsequent movement on these faults has sheared rocks of the Midway volcanic group. The type of ore bodies found in the area are irregular replacement bodies containing chalcopyrite and magnetite in skarn formed by metamorphism of limestone of the Anarchist group limestone.

*Taken from Map 15, 1961, Sheet 82E, Kettle River, West Half and Map 538A, Kettle River, W. Half, by C.F. Cairnes.

CLAIMS GEOLOGY

The Lobo claims are partly underlain by granodiorites which run continually from Lobo 5 south to Lobo 3 and out of the group in Lobo 1. Granite occurs in Lobo 2 along the edge of the road. Andesite outcrops in Lobo 4; a large outcrop of granodiorite, with small mineralized shears, occurs in Lobo 6. Granite extends through the east-central line of Lobo 3 across Sneaky Snake and into Foxy 1 and 3 where it is cut by a porphyry dike with andesite outcropping nearby.

From the mapping it appears that the group is mostly underlain by granodiorite with andesite lying adjacent to the outcrops. The central parts of Lobo 5, 3, 2, 4 and 6 are covered with a thin layer of overburden. The eastern part of the Foxy claims has not been mapped.

WORK DONE

Sampling was carried out on the rusty weathering granite along the road on the east side of Foxy 3 (Samples #13659-13662). Assay results are shown in ppm on Claims Geology, Figure 4.

Two lines of geochemical samples were run through Foxy 1 and 3, Lobo 3 and 5, and Sneaky Snake. Results are plotted on Figs. 4a, 4b, 4c. Highest returns were in nickel.

CONCLUSIONS

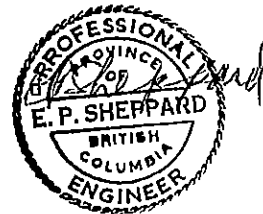
The Lobo Group contains 13 staked mineral claims located 32 km from Westbridge in the Greenwood Mining Division.

Geological mapping showed the claims to be underlain by granodiorite which is heavily oxidized along shears. The oxidized granite areas were sampled. Assays showed that gold, silver, copper, nickel, cobalt and molybdenum were present but not in anomalous amounts.

Insufficient work has been done on the property to properly evaluate the claims, and it is therefore recommended that a geochemical survey be carried out over the entire group.

E. P. Sheppard

E. Percy Sheppard, P.Eng.
Consultant Geologist



February 5, 1982

C E R T I F I C A T E

I, E. PERCY SHEPPARD, of the City of Vancouver, in the Province of British Columbia, hereby certify

THAT:

I am a Consulting Geologist, at 1606-M, 1600 Beach Avenue, Vancouver, B.C., V6G 1Y7;

I am a graduate of Dalhousie University, with a B.Sc. in Geology, and have been active in mining exploration and geophysics for over forty years;

The accompanying report is compiled from observations made by the writer during his visits to the property on February 2-3 and October 1-3, 1981, and a study of pertinent Government data;

I have no direct or indirect interest in the property covered by this report, nor in the securities of Emerald Isle Resources Inc., and do not expect to receive any such interest as a result of writing this report;

I am a member of the Professional Engineers Association of British Columbia, the American Institute of Mining Engineers, and a Fellow in the Geological Association of Canada.

DATED AT VANCOUVER, B.C., this 5th day of February, 1982.

E. P. Sheppard

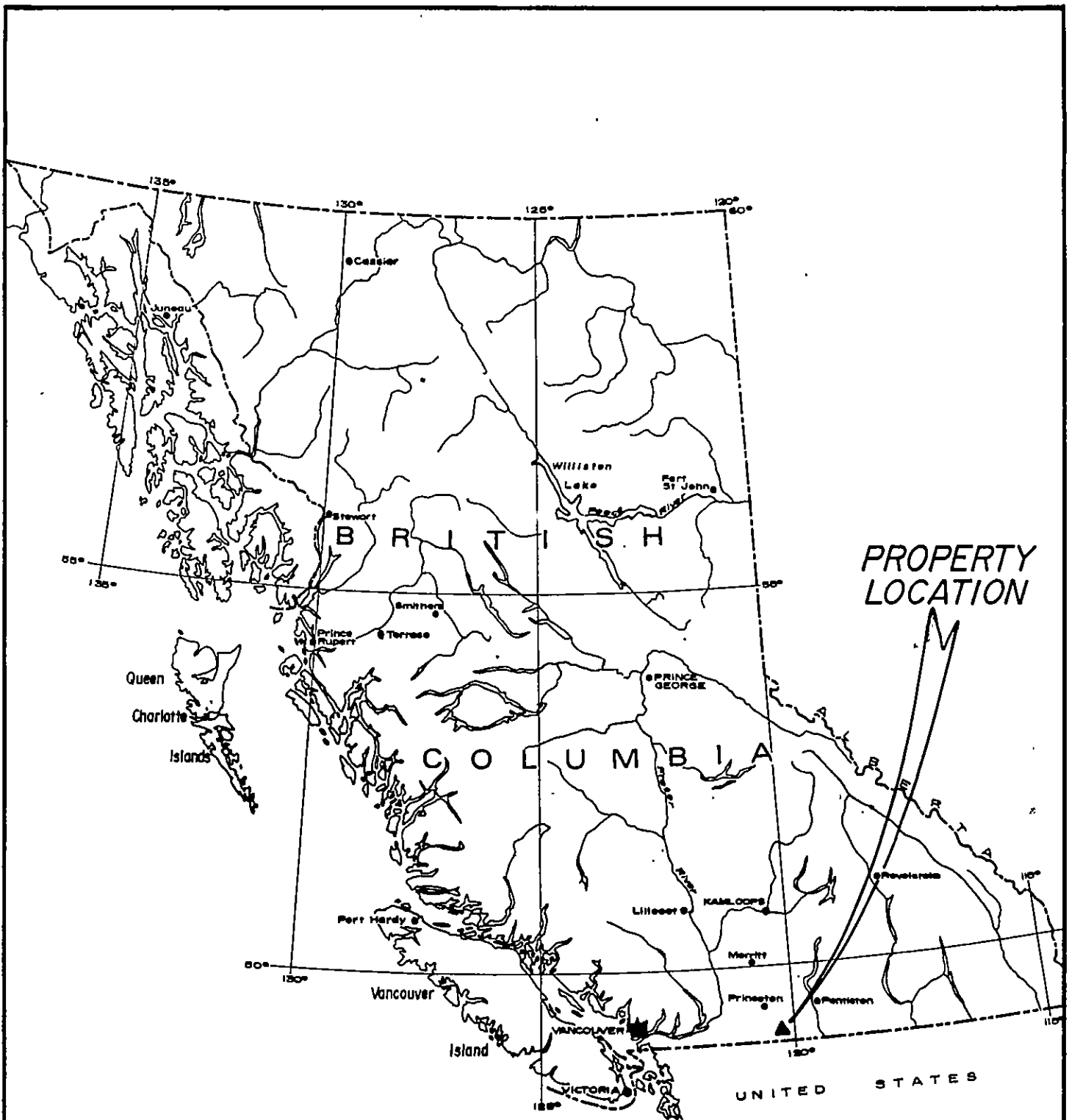
E. Percy Sheppard, P.Eng.



ASSESSMENT WORK COSTS

Professional Services:	
Field Mapping (Sheppard and Mel de Quadros	\$1,200
Assistant	600
Assessment Report	600
	<u>2,400</u>
Assays	79.10
Drafting	150.00
Maps, xeroxing, typing etc.	36.50
Field Expenses:	
transportation, motel, food, etc.	<u>78.00</u>
	<u>343.60</u>
	\$2,743.60

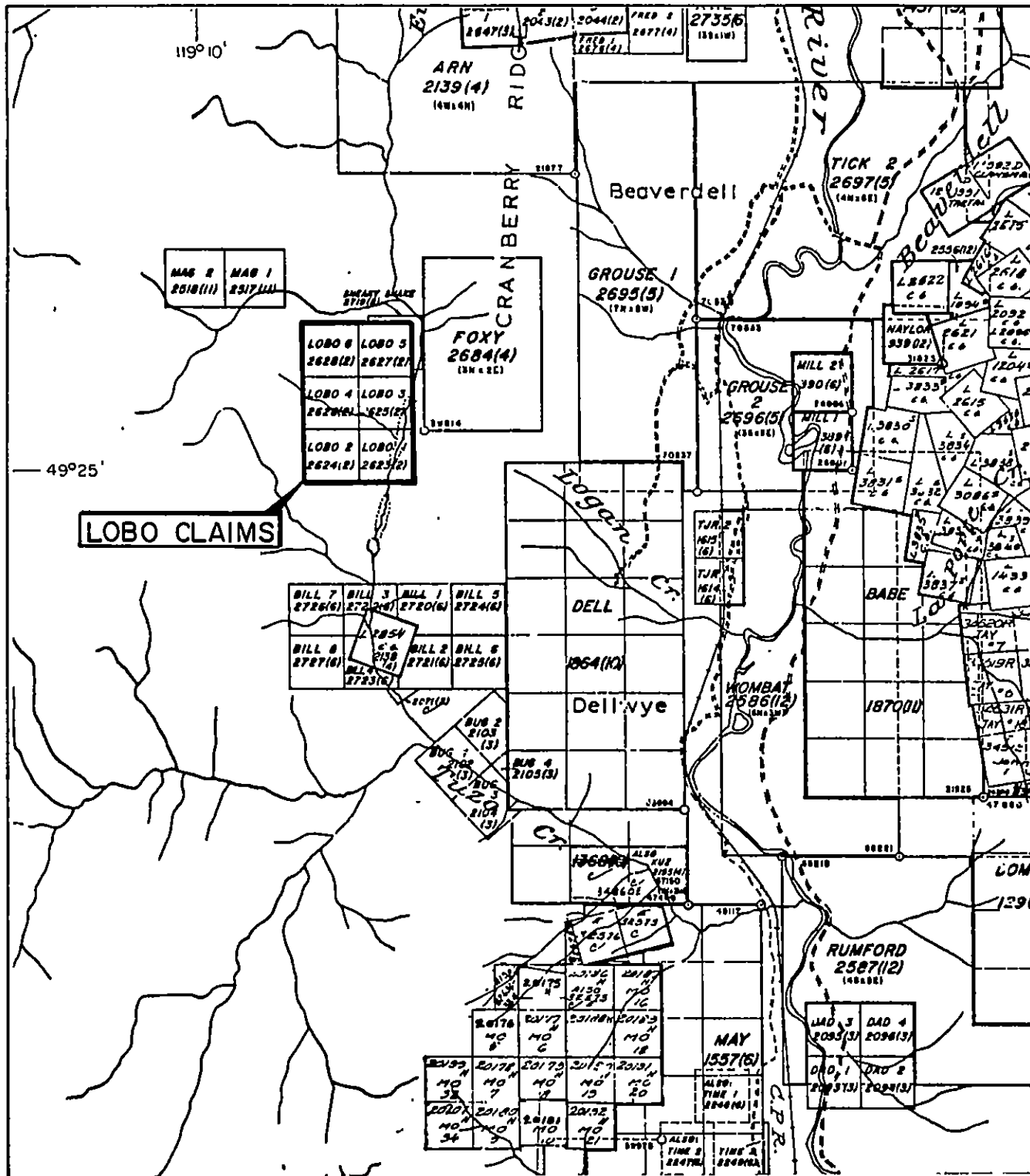




EMERALD ISLE RESOURCES INC.
 LOBO CLAIMS
LOCATION MAP
 GREENWOOD M.D., B.C.- N.T.S. 82E-6E

SCALE
 Km. 100 50 0 100 200 300 400 Km.

Miles 100 50 0 100 200 Miles



FROM PART OF MINERAL CLAIM MAP 82E-6E



EMERALD ISLE RESOURCES INC.

LOBO CLAIMS

CLAIM MAP

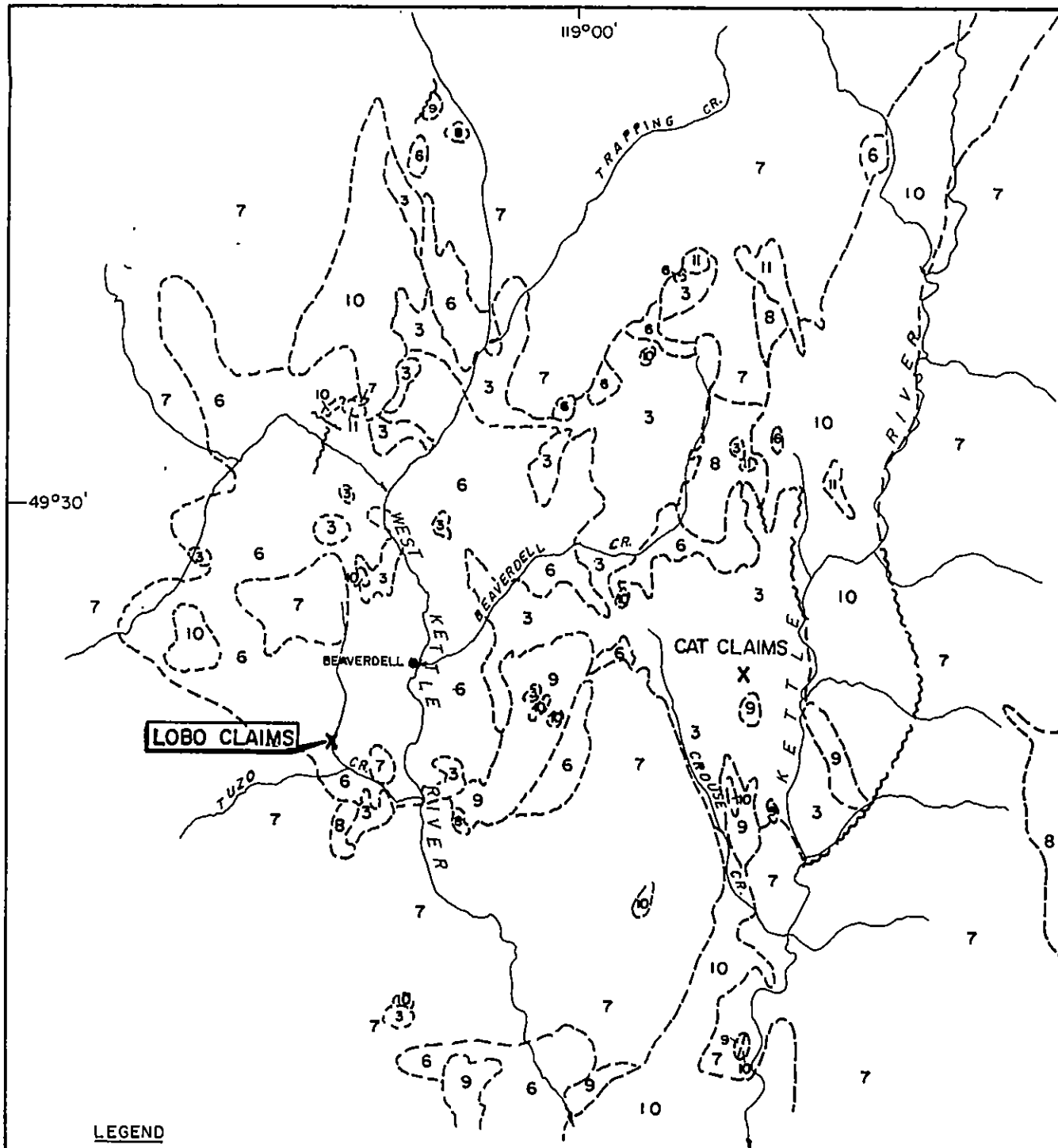
GREENWOOD M.D., B.C. - N.T.S. 82E-6E

SCALE 1:50,000

0.5 0 1 2 KM

OCT. 1981

FIG. 2



LEGEND

- 11 BASALT
- 10 ANDESITE, TRACHYTE
- 9 RHYOLITE, DACITE TUFF
- 8 SYENITE
- 7 GRANITE
- 6 GRANODIORITE
- 3 GREENSTONE, GREYWACKE, LIMESTONE

- FAULT
- GEOLOGICAL CONTACT



EMERALD ISLE RESOURCES INC.
LOBO CLAIMS
REGIONAL GEOLOGY

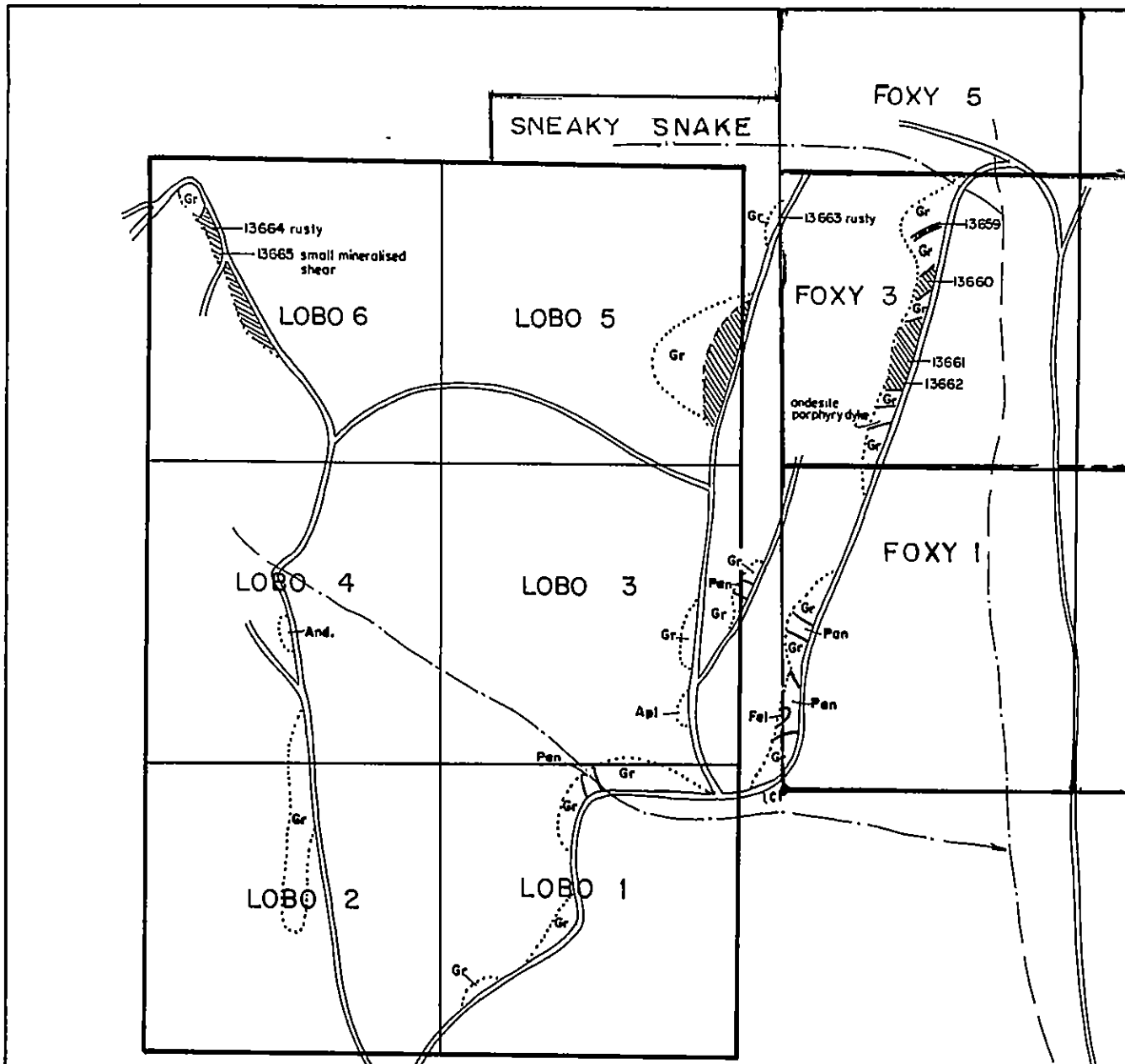
GREENWOOD M.D., B.C. — N.T.S. 82E-6,7

SCALE 1: 253,440



OCT. 1981

FIG. 3



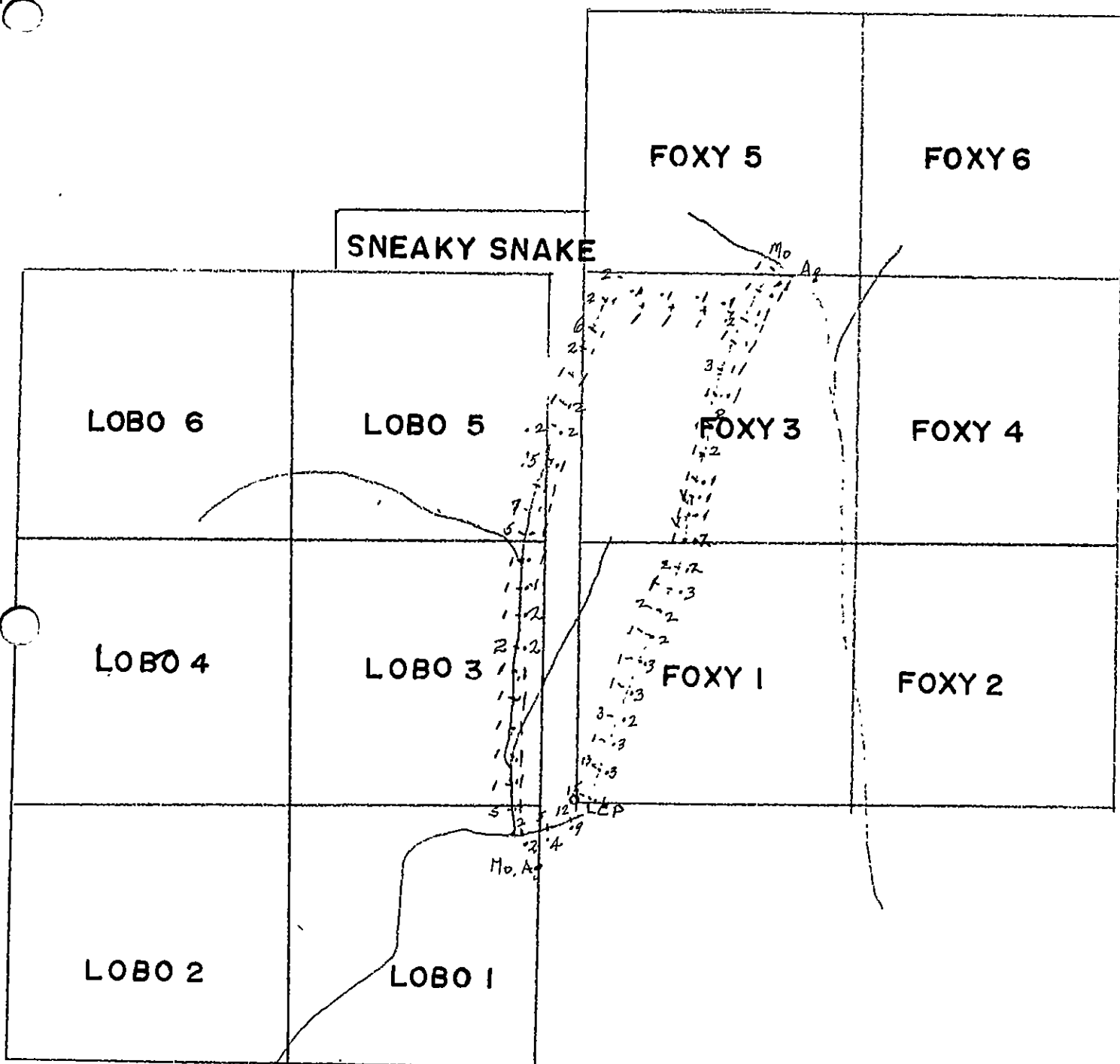
SAMPLE NO	Au	Cu	Ag	NI	CO	MO
13659	20	910	1.6	155	59	24
13660	10	49	0.4	264	18	17 ppm
13661	nd	78	0.2	310	27	38
13662	nd	84	nd	280	31	29
13663	20	72	0.2	72	47	8
13664	10	119	nd	250	28	4
13665	nd	54	nd	268	23	4 ppm

LEGEND

- And Andesite
- Pan Porphyritic andesite
- Apl Aplite
- Fel Felsite
- Gr Granodiorite
- //// Rust-weathering granodiorite
- Outcrop
- == Road
- Creek
- 13662 Sample number



EMERALD ISLE RESOURCES INC.
 LOBO CLAIMS
PROPERTY GEOLOGY
 GREENWOOD M.D., B.C. — N.T.S. 82E-6E
 SCALE 1:9600
 0 ————— 500metres
 OCT. 1981 FIG. 4



GEOCHEMICAL READINGS ppm Mo, Ag

EMERALD ISLE RESOURCES INC.
 LOBO, SNEAKY SNAKE, FOXY CLS.
 GEOPHYSICAL SURVEY ppm
 GREENWOOD MD, BC NTS82E-6E

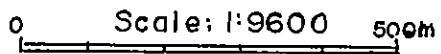
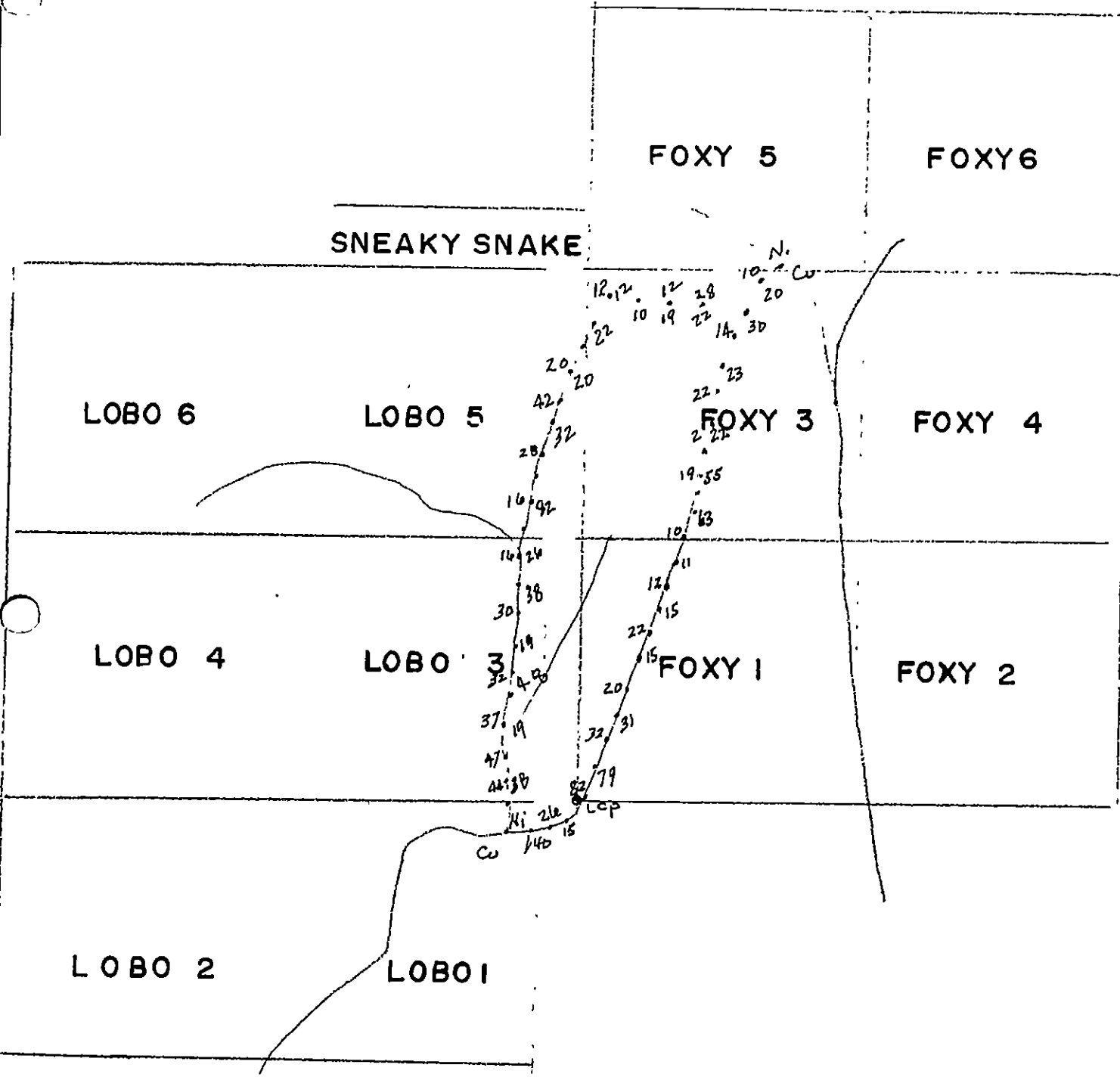


FIG.4 a



GEOCHEMICAL READINGS Cu, Ni ppm

EMERALD ISLE RESOURCES INC.
 LOBO, SNEAKY SNAKE, FOXY CLS
 GEOPHYSICAL SURVEY ppm
 GREENWOOD M-D, BC, NTS82E 6E

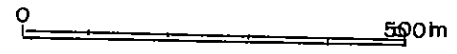
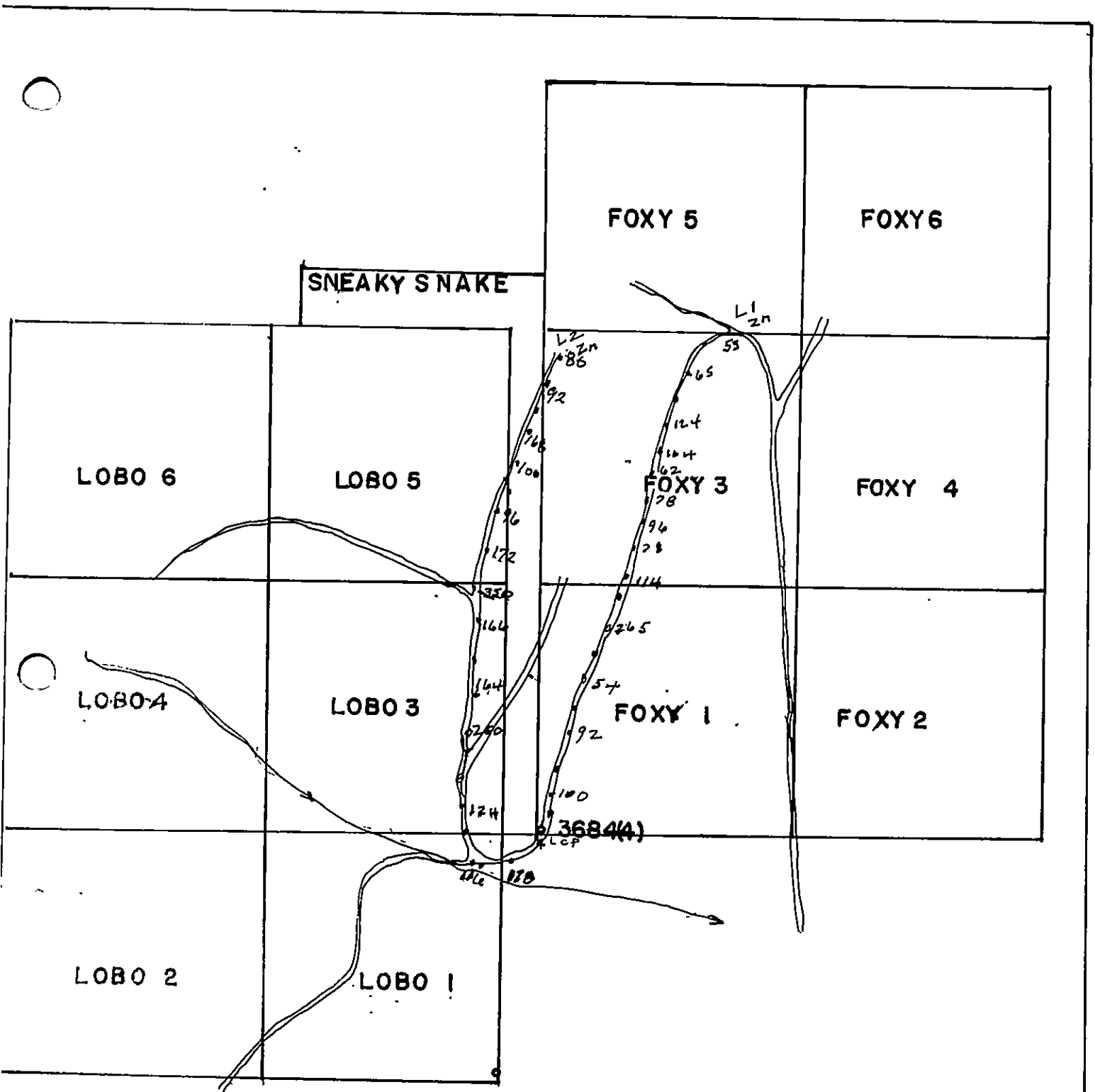


FIG 4 b



GEOCHEMICAL READINGS · Zn ppm

EMERALD ISLE RESOURCES INC
 LOBO, SNEAKY SNAKE, & FOXY CLAIMS
PROPERTY GEOCHEMICAL

GREENWOOD M.D, B.C—NTS 82E - 6E

Scale 1:9600 500 m



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

TELEPHONE: 986-5211
 AREA CODE: 604

Certificate of Geochemical Analyses

• Specialising in Trace Elements Analyses •

-IN ACCOUNT WITH-

Emerald Isle Resources Ltd.
c/o Mr. E. Percy Sheppard, P.Eng.
4140 Discovery Drive,
Attention: Campbell Rivre, B C V9W 4Y2

Report No: **81 01 013** Page 1 of 1
 Samples Arrived: **October 8, 1981**
 Report Completed: **October 20, 1981**
 For Project:
 Analyst: **VGC Staff**
 Invoice #**6562** Job #**81-355**

Sample Marking	Mo ppm	Cu ppm	Ag ppm	Ni ppm	Co ppm	Au ppb
13659 A	24	910	1.0	155	59	20
60	17	49	0.4	264	16	10
61	38	78	0.2	310	27	nd
62	28	84	nd	280	31	nd
63	6	72	0.2	72	47	20
64	4	119	nd	250	28	10
13665 A	4	54	nd	268	23	nd

REMARKS:

Signed:

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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10. Emerald Isle Resources,
1830 - 700 W. Georgia,
Vancouver, B.C.

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

Attn.: Mr. George O'Brien

File No. 81-0711

Type of Samples Soil

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Ag	Cu	Ni	Zn				
Line 1 1	1	.1	12	10	55				1
2	1	.1							2
3	1	.1	20	14	65				3
4	1	.1							4
5	3	.1	42	22	124				5
6	1	.1							6
7	1	.2	28	19	104				7
8	1	.2							8
9	1	.1	16	10	62				9
10	1	.1							10
11	1	.1	16	12	78				11
12	1	.1							12
13	1	.1	30	22	96				13
14	1	.1							14
15	1	.2	32	20	78				15
16	2	.2							16
17	1	.3	37	32	114				17
18	1	.3							18
19	1	.2	47	82	265				19
20	3	.3							20
21	1	.3	44	26	54				21
22	13	.6							22
23	12	.9	140	38	92				23
24	5	.4							24
Line 1 25	2	.2	15	19	100				25
26									26
Line 2 1	5	.5	79	48	178				27
2	1	.2							28
3	1	.1	31	16	116				29
4	1	.1							30
5	1	.1	15	24	124				31
6	1	.1							32
7	2	.1	15	22	250				33
8	1	.1							34
9	1	.1	11	28	164				35
10	1	.3							36
11	5	.5	63	48	166				37
Line 2 12	7	.3							38
									39
									40

All reports are the confidential property of clients
All results are in PPM.

DIGESTION: _____

ETERMINATION: _____

DATE SAMPLES RECEIVED July 8, 1981

DATE REPORTS MAILED July 16, 1981

ASSAYER *SKC*

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

*Original sent to
E P Sheppard*



To: Emerald Isle Resources,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

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

phone: 253 - 3158

81-0711

File No. _____

Type of Samples Soil

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Ag	Cu	Ni	Zn						
Line 2 13	5	.3	55	86	350						1
14	2	.1									2
15	1	.2	22	28	172						3
16	1	.1									4
17	2	.2	23	26	96						5
18	6	.2									6
19	2	.3	30	22	100						7
20	2	.3									8
21	1	.1	20	19	168						9
22	1	.1									10
23	1	.1	28	20	92						11
24	1	.1									12
Line 2 25	1	.2	12	11	80						13
											14
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											40

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All results are in PPM.

REVISION: _____
DETERMINATION: _____

DATE SAMPLES RECEIVED July 8, 1981

DATE REPORTS MAILED July 16, 1981

ASSAYER SKG

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CHIEF CHEMIST
CERTIFIED B.C. ASSAYER