

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

84-#4 - 11921

1185

11,921

CONSOLIDATED REPORTS

ON THE

UPPER CAMPBELL LAKE CLAIMS

NANAIMO MINING DIVISION, B.C.

NTS 92F/13

(49°53'N, 125°36'W)

for

RICH LODE GOLD CORPORATION

by

John S. Vincent and Associates

NOVEMBER, 1983

John S. Vincent P. Eng.

LIST OF REPORTS

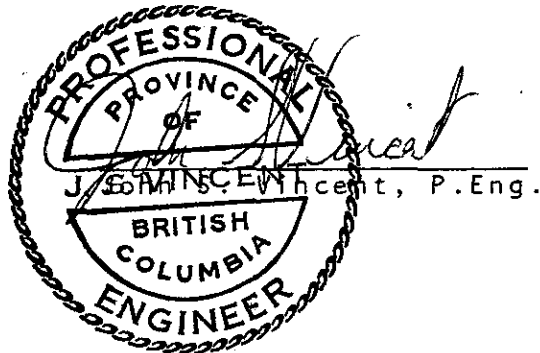
- A. RECONNAISSANCE GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE UPPER CAMPBELL LAKE CLAIMS.
- B. ADDENDUM TO RECONNAISSANCE REPORT.
- C. REPORT OF WORLD WIDE BROKERS INC.

REPORT A

**RECONNAISSANCE GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE UPPER CAMPBELL LAKE CLAIMS**

CONSOLIDATED STATEMENT OF EXPLORATION EXPENSE*

Reconnaissance Geological & Geochemical Report on the Upper Campbell Lake Claims plus Addendum...	\$9,187.75
Report of World Wide Brokers Inc.,	4,116.91
TOTAL	\$13,304.66



November 21, 1983.

*Detailed statements appended to individual reports.

John S. Vincent P. Eng.

RECONNAISSANCE
GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
UPPER CAMPBELL LAKE CLAIMS

NANAIMO MINING DIVISION, B.C.
NTS 98F/13
(49° 53'N, 125° 36'W)

for

RICH LODE GOLD CORPORATION

by

Carl G. Verley B.Sc.
Geologist
Amerlin Exploration Services Ltd.

SUPERVISED BY: J.S. Vincent and Associates

JUNE, 1983

John S. Vincent P. Eng.

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
PROPERTY	2
GEOLOGY	4
Lithologies	4
Structure	6
MINERALIZATION	7
GEOCHEMISTRY	8
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	9
REFERENCES	10

LIST OF FIGURES

Figure 1	Property Location Map	ii
Figure 2	Photo: View Looking North Across Central Part of Claim Group	iii
Figure 3	Claim Map	3

LIST OF TABLES

Table I	Upper Campbell Lake Claims	2
Table II	Assay and Rock Sample Descriptions	Appendix "A"

PLATES

Plate 1	Geology
Plate 2	Geochemistry

APPENDICES

Appendix "A"	Assay and Geochemical Reports
Appendix "B"	Statement of Expenditures
Appendix "C"	Certificates

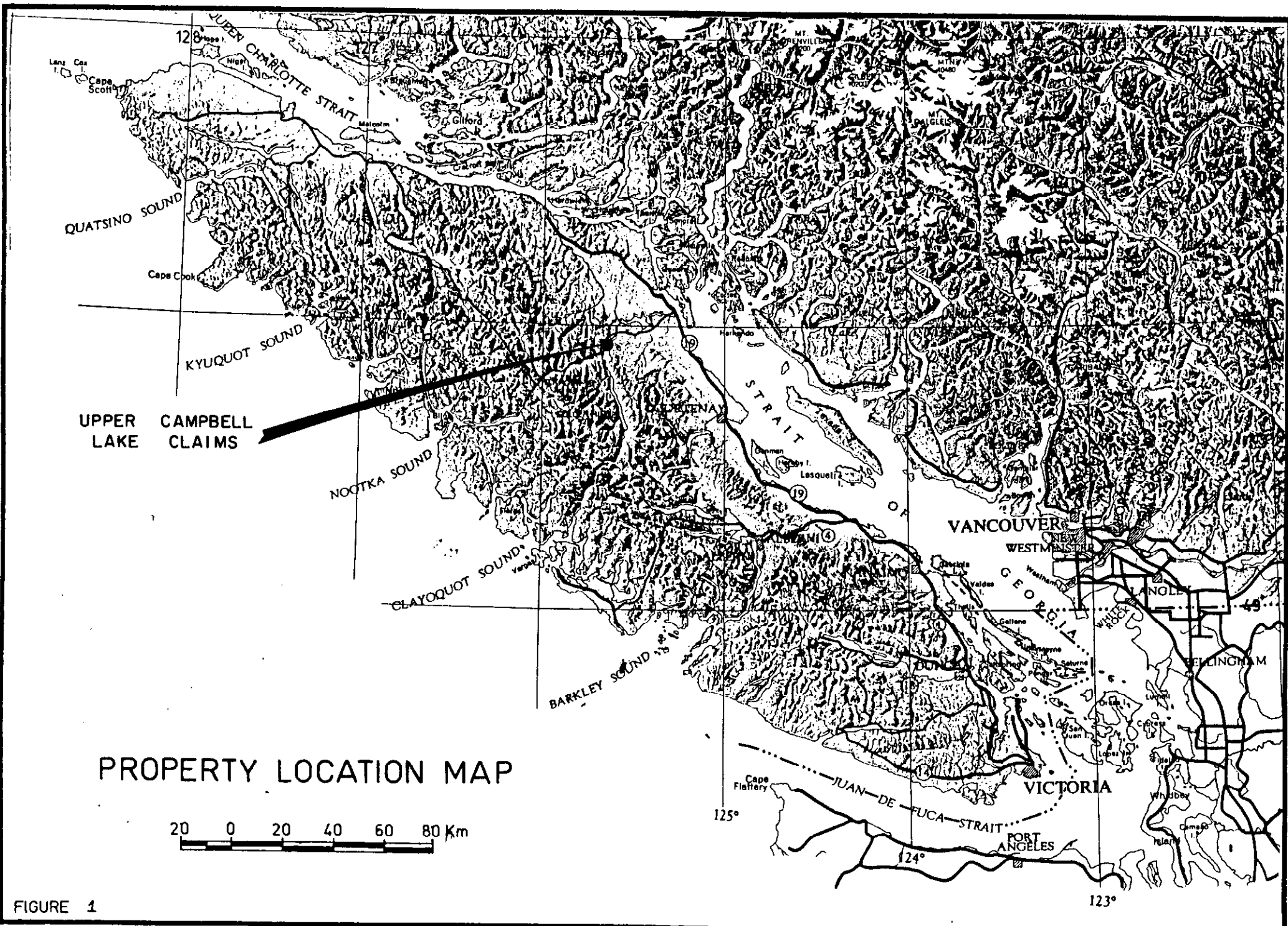


FIGURE 1

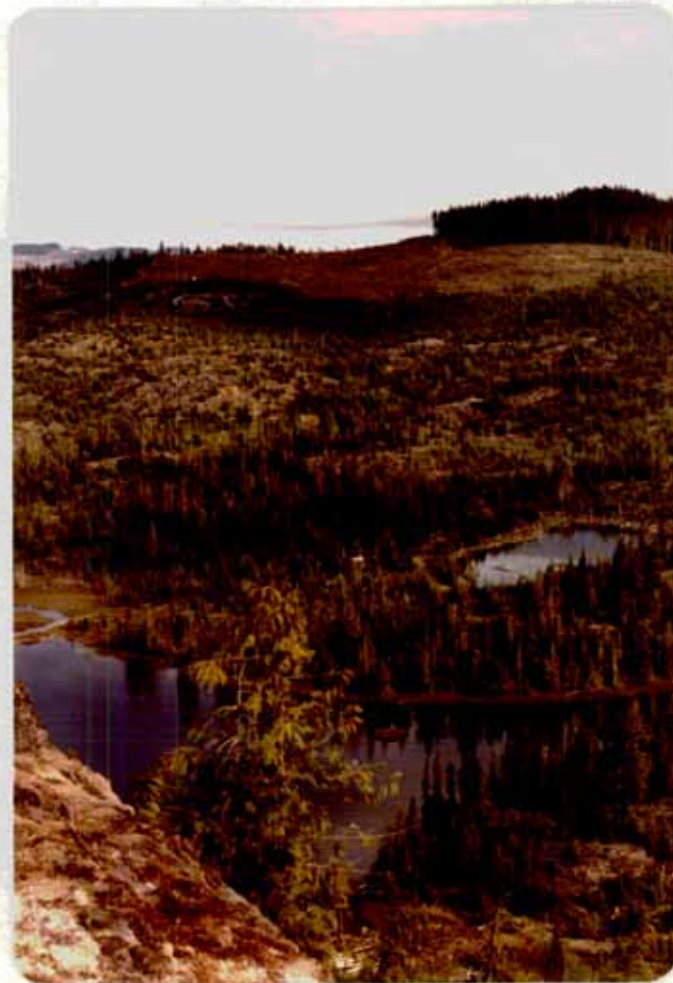


Figure 2: Looking north across the central part of the claim group

INTRODUCTION

The Upper Campbell Lake Mineral Claims (152 units) are located 45 kilometres west of Campbell River, B.C. in the Nanaimo Mining Division (NTS 92F/13). The property lies on the east side of Upper Campbell Lake (49° 53' N, 125° 36' W). Excellent access to the ground is provided by Highway 28 and logging roads.

The claims are underlain by Upper Triassic Karmutsen Group basic volcanics and pyroclastics. This succession is faulted and intruded by several small masses of Jurassic (?) hornblende diorite and a younger (Tertiary?) quartz-feldspar porphyry dyke.

The ground was initially acquired for Rich Lode Gold Corporation to cover the suspected provenance of a gold-bearing float boulder. The boulder was found in fill used for bridge abutments on the Buttle Lake Upper Campbell Lake Bridge.

Copper-iron skarn mineralization occurs on the Robin 1 and 2 mineral claims held by a Mr. S.H. Clitheroe of Campbell River. These claims lie within the Anchor 1 claim.

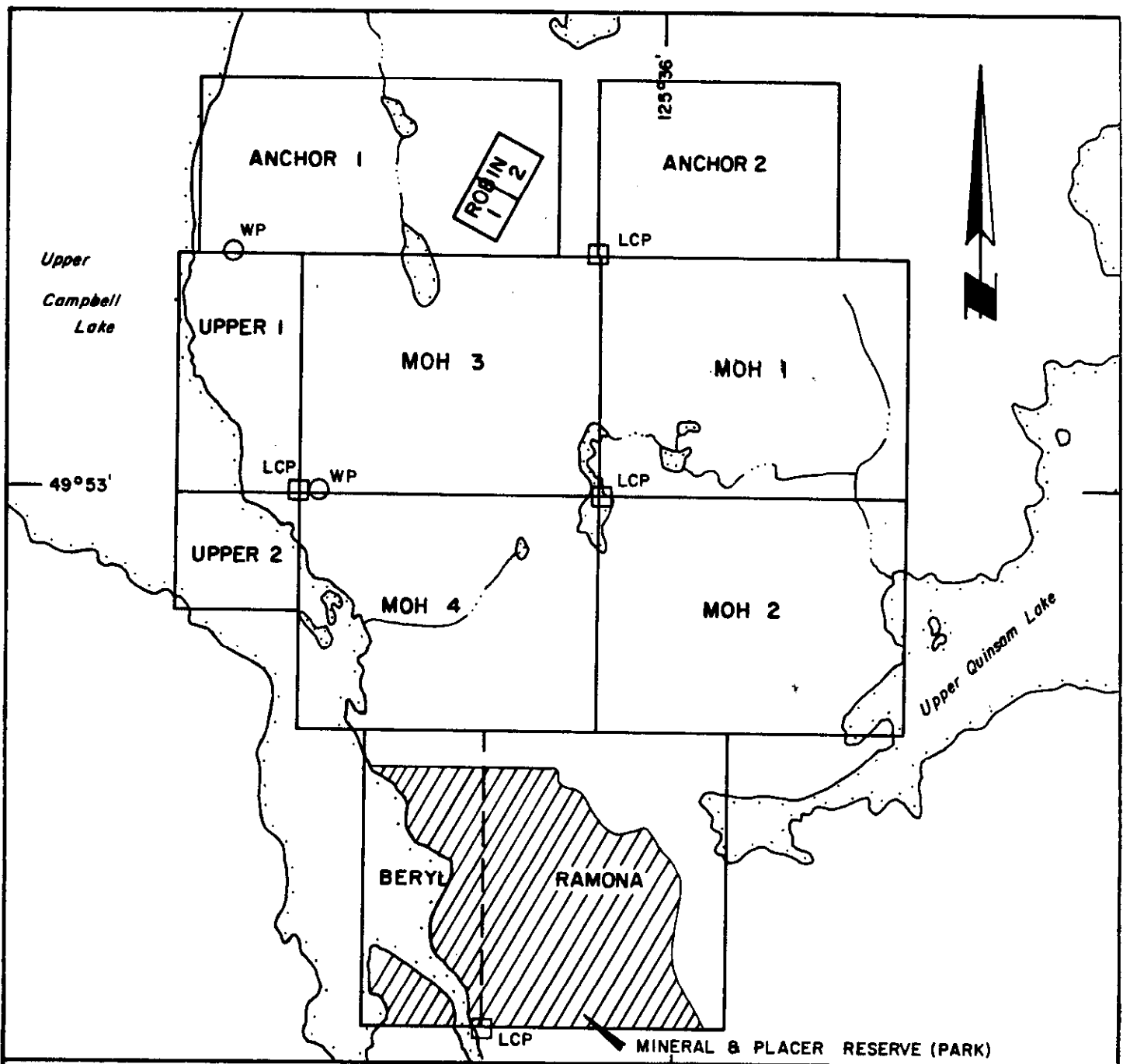
Current work undertaken on the property consisted of reconnaissance geological mapping, prospecting and stream sediment sampling. The results of this work did not locate the source area for the gold-bearing float boulder.

PROPERTY

The upper Campbell Lake Claims (Figure 3) consist of 10 contiguous mineral claims (152 units) as tabulated below:

TABLE I
UPPER CAMPBELL LAKE CLAIMS

<u>Name</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Expiry Date</u>
Ramona	20	1037	11 January 1984
Beryl	10	1038	11 January 1984
Moh 1	20	1039	11 January 1984
Moh 2	20	1040	11 January 1984
Moh 3	20	1041	11 January 1984
Moh 4	20	1042	11 January 1984
Upper 1	8	1043	11 January 1984
Upper 2	4	1044	11 January 1984
Anchor 1	18	1045	11 January 1984
Anchor 2	12	1046	11 January 1984 ✓



CLAIM MAP
UPPER CAMPBELL LAKE CLAIMS

NANAIMO MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92F/13

SCALE 1:50,000

GEOLOGY

The upper Campbell Lake claims cover gently rolling hills (200 to 900 metres elevation) underlain by predominantly Upper Triassic Karmutsen Group basic volcanics and volcanoclastics. Small stocks of Jurassic (?) hornblende diorite intrude the package as does a later acid dyke. Regionally the property lies within the southern part of the Insular Tectonic Belt. Assemblages of chlorite-epidote-calcite-quartz in volcanics indicate the area has been subjected to low grade, sub-greenschist facies regional metamorphism (Carlisle, 1972).

Lithologies:

Upper Triassic - Karmutsen Group

Pillow lavas

The lower part of the Karmutsen consists of a thick accumulation of brown weathering, medium to dark grey-green coloured pillow lavas. Individual pillows range from 20 to 90 cm in size. They are commonly amygdaloidal and porphyritic. Interstices between pillows are commonly filled with a coarse milky quartz. Locally, breccia consisting of fragments of pillow rims in a quartz matrix fills interstices. Exposures of this unit occur immediately south and west of the claims.

Massive flows

A sequence, in excess of 1000 metres in thickness, of massive basaltic lava flows is the predominant rock-type on the claims. Flows are brownish to green weathering, medium to dark grey-green coloured and amygdaloidal. Near the top of this sequence magnetite and chalcopyrite occur in association with skarn on the Robin 1 and 2 mineral claims.

Tuff

Relatively thin (10's of metres) laterally restricted accumulations of greenish weathering, medium green-grey, thin to thick-bedded tuffs occur on the property. Thick beds (1 to 1.5 m) consist of lapilli tuff. Thin bedded and laminated sequences consist of finer grained ash. Local calcareous horizons are developed in this unit.

Volcanic breccia

Greenish weathering, dark green coloured breccia forms the upper most capping to the Karmutsen on the Upper Campbell claims. The breccia consists of angular to rounded volcanic fragments (5 to 50 m in diameter) supported in a matrix of finer grained volcanic debris.

Jg: Hornblende diorite

Two small stocks of hornblende diorite intrude the volcanics on the property. The intrusive is whitish weathering, pale to medium grey, medium-grained feldspar (75%), hornblende (15%), quartz (10%) granitoid. Disseminations of accessory magnetite are not uncommon in this unit. Thermal contact effects of the diorite on the Karmutsen appear minimal except for the development of skarn.

Tertiary

T q f p: Quartz-feldspar porphyry

A single, northeasterly trending dyke, up to 8 metres in width, intrudes both diorite and volcanics in the north part of the property. The dyke is pinkish coloured with fine-grained, subhedral to euhedral quartz and feldspar phenocrysts in a fine-grained to aphanitic matrix. Contacts with surrounding country rocks are chilled and sheeted.

Structure:

The volcanic succession on the Upper Campbell claims dips relatively uniformly at a shallow angle to the northwest. A set of northerly to northeasterly trending faults breaks the sequence into a series of step-like blocks, presumably through dip slip movement. Displacement along faults is estimated to be in the order of a few tens of metres at most.

MINERALIZATION

The Upper Campbell Lake claims were acquired in order to protect ground that was suspected of being the provenance for a high-grade gold-bearing float boulder which was found some years ago in fill that was used for bridge abutments at the east end of the Buttle-Upper Campbell Lake Bridge. Containing visible gold in grey strained quartz and biotite gneiss, the boulder was suggested to have either a possible high-grade metamorphic country rock or a sheared intrusive contact as its original source formation (Brown, 1982). Current prospecting failed to locate any high grade metamorphic rocks on the property. Intrusive contacts were examined and, although locally sheared, no mineralization or similar quartz vein material was located in these areas.

An examination of the fill material exposed at present in the bridge abutment indicates that it consists mainly of Karmutsen pillow lavas with notable white quartz interpillow fillings. This material is believed to be local in origin. It is possible that the mineralized float boulder came from a section of Karmutsen pillow lavas that has been extensively sheared. In this respect, further reconnaissance prospecting to locate the provenance for the boulder could be directed to the south and west of the property. No known exposures of high grade metamorphic rocks are located in the Upper Campbell Lake area.

An occurrence of copper-iron skarn mineralization held by Mr. S.H. Clitheroe of Cambell River on the Robin claims lies within the Anchor 1 claim. The mineralization appears to be situated near the top of the Karmutsen massive flows and consists of medium-grained chalcopyrite distributed erratically throughout pods and thin beds of fine to medium-grained massive magnetite. This mineralized unit is concordant with flow bedding and accentuates a section of intercalated calcareous sediments. Grab samples of the best grade mineralization assayed up to 0.05 oz/ton Au and 0.3 oz/ton Ag. Mineralization such as this could extend onto the Anchor 1

claim. A program of limited soil sampling around the Robin claims is warranted to test this possibility.

GEOCHEMISTRY

Silt samples were collected from streams draining the property. Where possible the silt or clay sized fraction of active stream sediment was collected and placed in numbered kraft envelopes. The stream gradient, size, sediment colour, texture and rock type were noted at each sample site. Samples were delivered to Acme Analytical Laboratories in Vancouver, B.C. where a 30 element analysis of samples was conducted by the coupled argon plasma (ICP) method. Gold determinations were made by atomic absorption method from a 10 gram sample. Gold, copper, zinc and arsenic results are plotted on plate 2 (in pocket) values for other elements are appended (Appendix "A").

Results of the sampling do not indicate any areas anomalous in gold, zinc or arsenic. Two sample sites (usc-10 and 12) may possibly be anomalous in copper. This may indicate the presence of copper mineralization in this area. The strength of these anomalies is not great, however, suggesting that they may be caused by local concentrations of chalcopyrite.

During the course of prospecting rock chip samples (uc-1 to 12) of the main rock types were collected and analysed in the same fashion as the stream silts. The results of this work (plate 2) indicate the background levels of elements in these rocks. It is notable that one sample of Karmutsen tuff is relatively high in arsenic (232 ppm).

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

In excess of \$5,500.00 has been expended to conduct reconnaissance geological and geochemical investigations on the Upper Campbell Lake mineral claims, Nanaimo Mining Division, B.C. from May 16 to May 22, 1983.

The claims cover Upper Triassic Karmutsen group basic volcanics and volcanoclastics which are intruded by several small Jurassic hornblende diorite stocks and a younger quartz-feldspar prophyry.

The source for a gold-bearing float boulder was not located on the property. There is some doubt as to whether the sequences underlying the claims are a likely provenance for such material.


A copper-iron skarn showing on claims held by Mr. S.H. Clitheroe, but surrounded by Upper Campbell Lake claims, was examined. Initial indications suggest that this mineralization may extend onto the Anchor 1 claim. A program of soil sampling is recommended to test this possibility. Estimated cost of such a program is \$5,000.00.

A total of eighteen stream sediment samples and 12 rock chip samples were taken from the property. All samples were analyzed for a standard suite of 30 elements. Results of this work do not appear to indicate any anomalous areas in these elements, except for two silt samples that are possibly anomalous in copper.

Respectfully submitted,



Carl G. Verley, B.Sc.
Geologist


John S. Vincent, P.Eng.

June, 1983
Vancouver, B.C.

John S. Vincent P. Eng.

REFERENCES

- Brown, C.J.:
1982
A Preliminary Report on the Upper Campbell Lake Mineral Claims. Private company report for Rich Lake Gold Corporation.
- Carlisle, D:
1972
Low Grade Metamorphism in the Karmutsen Group. In Metamorphism in the Canadian Cordillera, GAC Cordill. Sec. Prog. and Abst. p.7.
- Surdam, R.C.:
1968
The stratigraphic and volcanic history of the Karmutsen Group, Vancouver Island, B.C.; Contrib. to Geol. Univ. Wyoming, vol. 7, No. 1.

APPENDIX "A"

ASSAY AND GEOCHEMICAL REPORTS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED MAY 24 1983

DATE REPORTS MAILED *May 27/83*

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PRULVERIZED TO -100 MESH.

ASSAYER *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

AMERLIN EXPL PROJECT # UPPER CAMPBELL FILE # 83-0606B PAGE# 1

SAMPLE	AG AU	
	OZ/TON	OZ/TON
61918	.30	.018
61919	.20	.050
61920	.04	.006

TABLE II

Assay and Rock Sample Descriptions

<u>Sample No.</u>	<u>Description</u>
61918	Selected grab sample of best chalcopyrite - magnetite mineralization.
61919	as 61918.
61920	as 61918.
uc-1	Sheared, pyritic, siliceous volcanic.
uc-2	Laminated, fine-grained tuff.
uc-3	Coarse volcanic breccia.
uc-4	Hornblende diorite.
uc-5	Quartz-feldspar porphyry.
uc-6	Hornblende diorite.
uc-7	Massive volcanic flow.
uc-8	as uc-7.
uc-9	as uc-7 contains minor pyrite.
uc-10	as uc-7
uc-11	Hornblende diorite with disseminated magnetite.
uc-12	Hornblende diorite.

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,M,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppb.
 ADV ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - STREAM SED & Rock

DATE RECEIVED MAY 24 1983 DATE REPORTS MAILED May 27/83 ASSAYER D. J. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

SAMPLE #	AMERLIN EXPLORATION PROJECT # UPPER CAMPBELL FILE # 83-0606A																				PAGE # 1										
	Mo ppb	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
UCS-1	2	89	14	100	.1	14	22	766	4.49	48	2	ND	2	173	1	2	2	107	2.50	.07	5	17	1.41	121	.08	9	5.19	.06	.13	2	5
UCS-2	1	126	8	64	.1	29	26	619	4.47	13	2	ND	2	54	1	2	2	143	1.45	.04	3	45	1.37	59	.34	7	3.87	.03	.04	2	5
UCS-3	1	73	3	40	.1	21	12	527	3.89	28	2	ND	2	56	1	2	2	138	1.77	.04	4	35	.91	84	.36	7	3.14	.03	.03	2	5
UCS-4	1	106	8	61	.1	24	19	1161	4.54	15	2	ND	2	54	1	2	2	140	1.95	.05	6	47	.92	56	.32	15	3.90	.02	.05	2	5
UCS-5	1	85	11	112	.1	34	30	2727	4.33	27	2	ND	2	28	1	2	2	143	1.38	.05	7	45	.83	56	.34	7	3.87	.02	.03	2	5
UCS-6	1	99	6	161	.1	30	36	4298	3.40	8	2	ND	2	27	2	2	4	106	1.20	.06	13	43	.40	70	.25	5	4.62	.01	.01	2	5
UCS-7	1	80	9	156	.1	28	16	1199	3.39	9	2	ND	2	34	1	2	2	109	1.86	.06	9	34	.76	76	.28	7	3.00	.03	.03	2	5
UCS-8	1	73	6	78	.1	21	13	876	3.27	9	2	ND	2	32	1	2	2	118	1.78	.05	7	31	.91	52	.32	9	2.70	.03	.02	2	5
UCS-9	1	127	11	144	.1	26	19	2109	3.62	16	2	ND	2	75	1	2	2	91	2.09	.08	8	43	1.04	76	.14	9	3.57	.03	.06	2	5
UCS-10	1	236	11	264	.1	27	15	1558	3.76	9	2	ND	2	77	3	2	2	107	2.00	.06	13	48	.98	64	.22	9	3.71	.04	.04	2	5
UCS-11	1	67	11	86	.1	11	13	761	3.62	26	2	ND	2	134	1	2	2	91	1.97	.04	4	20	1.06	118	.12	7	4.33	.05	.10	2	5
UCS-12	2	283	9	245	.3	27	28	2350	4.48	9	2	ND	2	30	3	2	2	151	1.12	.06	10	48	.61	42	.34	7	4.19	.01	.02	2	5
UCS-12A	1	72	8	55	.1	23	14	490	4.00	3	2	ND	2	15	1	2	2	153	.91	.03	3	32	1.08	29	.36	4	2.66	.02	.01	2	5
UCS-13	1	93	5	60	.1	30	17	695	4.62	2	2	ND	2	20	1	2	2	162	1.12	.04	3	41	1.28	43	.41	4	3.47	.03	.02	2	5
UCS-14	1	107	6	69	.1	38	20	913	4.44	2	2	ND	2	20	1	2	2	144	1.36	.04	5	54	1.16	33	.36	5	4.32	.02	.02	2	5
UCS-15	1	127	9	84	.1	37	22	805	5.06	22	2	ND	2	78	1	2	2	153	2.04	.03	3	41	1.70	48	.38	12	4.56	.05	.05	2	5
UCS-16	1	130	8	83	.1	42	32	1740	3.36	10	2	ND	2	36	1	2	2	104	1.29	.07	12	45	.91	45	.22	6	4.80	.03	.03	2	5
UCS-17	1	145	10	59	.1	27	16	1046	4.17	2	2	ND	2	34	1	2	2	139	1.25	.04	7	43	1.06	60	.36	5	3.47	.03	.03	2	5
UCS-18	1	97	11	72	.1	23	16	1085	4.44	6	2	ND	2	37	1	2	2	149	1.08	.05	7	39	1.06	47	.29	6	3.52	.02	.04	2	5
UC-1	1	58	10	45	.1	1	13	654	4.99	10	2	ND	2	228	1	2	2	113	1.33	.07	2	1	1.89	127	.12	6	3.44	.52	.14	2	5
UC-2	1	71	8	33	.1	75	21	430	3.96	252	2	ND	2	81	1	2	4	117	2.92	.03	2	207	2.70	20	.48	4	5.69	.35	.05	2	5
UC-3	1	65	8	41	.1	88	18	611	3.91	26	2	ND	2	106	1	2	3	103	2.82	.04	2	226	2.94	29	.22	4	5.61	.41	.12	2	5
UC-4	1	23	8	27	.1	10	12	316	4.33	9	2	ND	2	113	1	2	2	158	2.12	.08	2	22	1.27	108	.17	5	3.59	.40	.35	2	5
UC-5	1	45	4	21	.1	7	9	270	3.24	2	2	ND	2	177	1	2	2	117	1.31	.05	3	34	.85	91	.14	3	2.33	.22	.13	2	5
UC-6	11	11	12	10	.2	2	2	352	.87	3	7	ND	2	129	1	2	2	10	2.67	.02	11	5	.20	57	.01	2	.76	.04	.32	2	5
UC-7	1	16	1	19	.1	17	10	322	5.12	2	2	ND	2	29	1	2	2	160	1.64	.08	3	51	.77	19	.41	4	1.11	.17	.09	2	5
UC-8	1	175	4	36	.1	18	12	491	5.31	2	4	ND	2	123	1	2	2	122	2.33	.06	2	34	1.08	22	.55	4	2.32	.32	.10	2	5
UC-9	1	150	7	54	.1	34	22	820	5.31	2	2	ND	2	108	1	2	3	168	2.07	.05	4	11	1.89	21	.52	9	3.69	.34	.03	2	5
UC-10	1	56	4	45	.1	29	17	366	4.07	2	2	ND	2	28	1	2	2	98	2.06	.04	3	6	1.13	12	.26	6	3.58	.78	.04	2	5
UC-11	1	42	4	23	.1	5	12	271	4.27	2	2	ND	2	92	1	2	2	147	1.33	.06	3	7	1.13	69	.17	3	2.50	.30	.14	2	5
UC-12	1	14	4	16	.1	3	4	204	2.13	4	2	ND	2	101	1	2	2	73	1.53	.04	2	10	.43	58	.08	3	2.38	.38	.07	2	5
STD A-1	1	29	38	177	.2	33	12	1000	2.83	10	2	ND	2	36	1	2	2	58	.63	.12	7	61	.83	273	.08	6	2.00	.02	.22	2	5

APPENDIX "B"

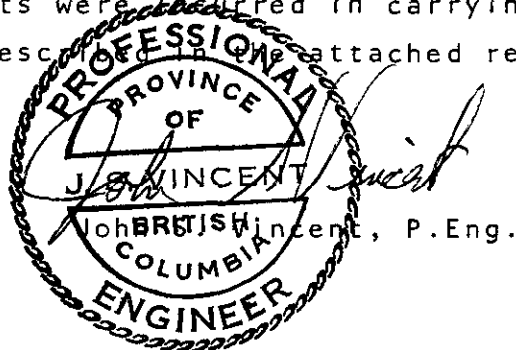
STATEMENT OF EXPENDITURES

COST STATEMENT

Personnel:

C. Verley; Geologist; May 17 - 23rd, (field)	
Field: 7 Days @\$375	\$2,625.00
Office: 3 Days @\$375	1,125.00
D. Trotman; Assistant; May 17 - 23rd	
7 Days @160	1,120.00
<u>Truck:</u> 7 Days @\$100	700.00
<u>Field Costs:</u>	331.90
<u>Analytical:</u>	1,328.85
<u>Drafting:</u>	465.50
<u>Consulting & Supervision:</u>	<u>1,491.50</u>
	\$9,187.75

The above costs were incurred in carrying out the work program described in the attached report.



John P. Vincent P. Eng.

APPENDIX "C"

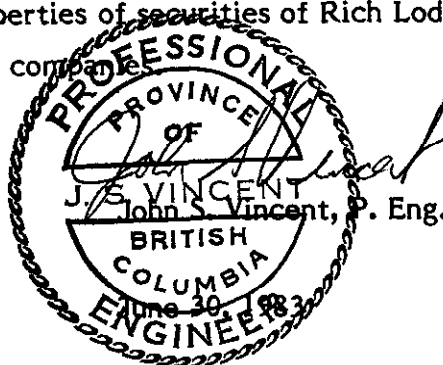
CERTIFICATES

CERTIFICATE

I, John S. Vincent, DO HEREBY CERTIFY:

1. That I am a Consulting Geologist resident at 4859 12A Ave., Delta, B. C., V4M 1B6.
2. That I am a graduate of Queen's University in Geological Sciences, B.Sc., - 1959; and of McGill University, M.Sc. - 1962.
3. That I am a Registered Professional Engineer (Geological) in the Association of Professional Engineers of the Province of British Columbia.
4. That I am a Fellow of the Geological Association of Canada, and a Member of the Canadian Institute of Mining and Metallurgy.
5. That I have practiced my profession as a geologist for the past twenty-four years.
6. That I have supervised and reviewed the results of the work carried out on the Upper Campbell Lake Mineral Claims.
7. That I have no interest in the properties of securities of Rich Lode Gold Corporation or in any related companies.

Vancouver, B. C.



John S. Vincent P. Eng.

AMERLIN EXPLORATION SERVICES LTD.

1614 - 675 West Hastings Street, Vancouver, B.C., Canada V6B 4W3


Phone (604) 669-2618

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 301 - 1867 West 3rd Avenue, Vancouver, B.C. and principal of Amerlin Exploration Services Ltd. 1614 - 675 West Hastings Street, Vancouver, B.C. V6B 4W3.
2. I am a graduate of the University of British Columbia, B.Sc., in 1974, and have practiced my profession since that time.
3. I am an engineering pupil with the Association of Professional Engineers of the Province of British Columbia.
4. I am the author of this report which is based on work conducted on the Upper Campbell Lake mineral claims from May 16 to May 22, 1983.

Amerlin Exploration Services Ltd.

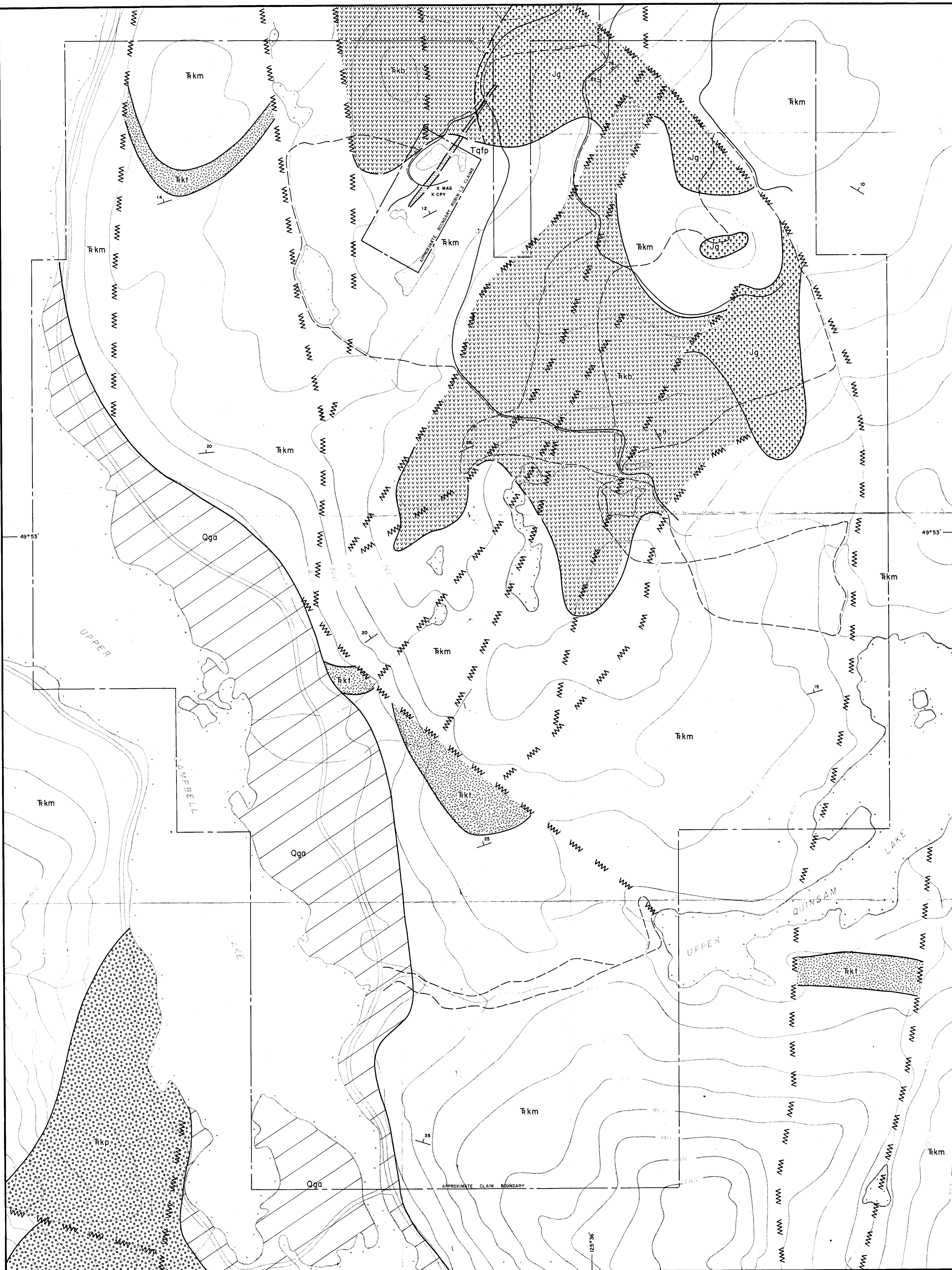


Carl G. Verley, B.Sc.

Geologist

June, 1983

Vancouver, B.C.



LEGEND

QUATERNARY

Qga GLACIAL AND ALLUVIAL DEPOSITS

TERTIARY (?)

Tqfp QUARTZ - FELDSPAR PORPHYRY PINKISH COLOURED DYKE WITH FINE-GRAINED, SUBHEDRAL TO EHDORAL QUARTZ AND FELDSPAR PHENOCRYSTS IN A FINE-GRAINED TO APHANITIC MATRIX

JURASSIC (?)

Jg HORNBLENDE DIORITE; WHITISH WEATHERING PALE TO MEDIUM GREY; MEDIUM-GRAINED FELDSPAR (75%) HORNBLENDE (15%) QUARTZ (10%) ROCK

UPPER TRIASSIC - KARMUTSEN GROUP

Rkb VOLCANIC BRECCIA; GREENISH WEATHERING, DARK GREEN COLOURED BRECCIA CONSISTING OF ANGULAR TO ROUNDED VOLCANIC FRAGMENTS (5 TO 50 CM IN DIAM.) SUPPORTED IN A MATRIX OF FINER-GRAINED VOLCANIC DEBRIS

Rkt TUFF; GREENISH WEATHERING, MEDIUM GREEN-GREY THIN TO THICK BEDDED SEQUENCE OF TUFFS, THICK BEDS (TO 1.5M) CONSIST OF LAPILLI; TUFF THIN BEDDED LAMINATED SEQUENCE CONSIST OF FINER GRAINED ASH, LOCALLY CONTAINS CALCAREOUS HORIZONS

Rkm MASSIVE FLOWS; BROWNISH TO GREEN WEATHERING, MEDIUM TO DARK GREY-GREEN COLOURED AMYGDALOIDAL FLOWS, LOCALLY CONTAIN INTERCALATED CALCAREOUS HORIZONS, CONTAINS MAGNETITE AND CHALCOPYRITE ASSOCIATED WITH SKARN ON THE ROBIN 1 AND 2 CLAIMS

Rkp PILLOW LAVAS; BROWNISH WEATHERING, MEDIUM TO DARK GREY-GREEN COLOURED, LOCALLY AMYGDALOIDAL AND PORPHYRIC SEQUENCE OF PILLOW LAVAS, INDIVIDUAL PILLOWS RANGE FROM 20 TO 90 CM DIAMETER AND COMMONLY HAVE BRECCIATED AND QUARTZ-FILLED INTERSTICES

LITHOLOGIC CONTACT: DEFINITE, INFERRED

FAULT

BEDDING ATTITUDE

FRACTURE ATTITUDE

TRAVERSE ROUTES

LOGGING ROADS

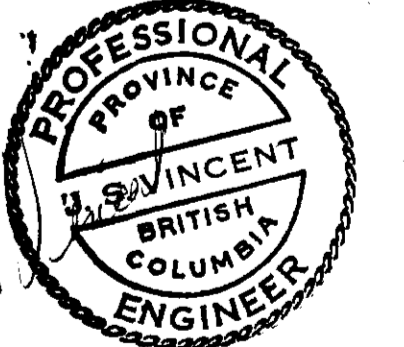
HIGHWAY

X MAG, CPY MAGNETITE, CHALCOPYRITE MINERALIZATION

NOTE: GEOLOGY MODIFIED AFTER R.C. SURDAM, 1968 TOPOGRAPHY ADAPTED FROM DEPT. OF ENERGY, MINES AND RESOURCES 1:50,000 SCALE MAP CONTOUR INTERVAL: 100 METRES MAGNETIC DECLINATION (1983) - 23° EAST

GEOLOGICAL BRANCH ASSESSMENT REPORT

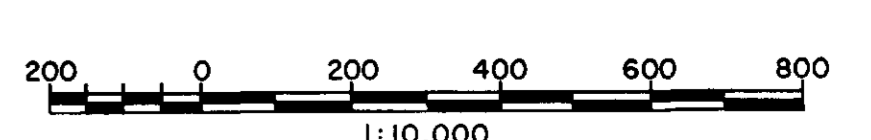
11,921

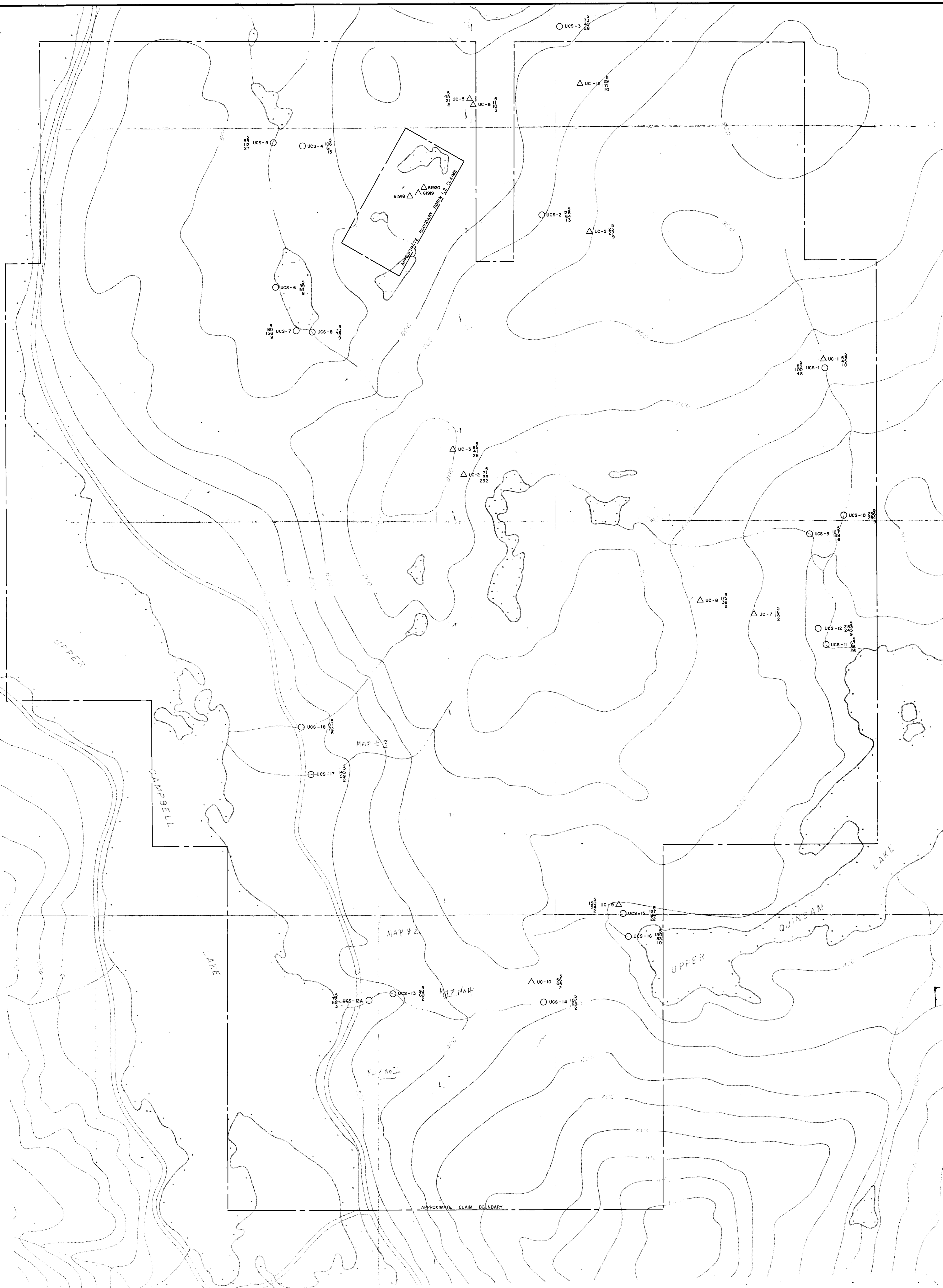


RICH LODE GOLD CORPORATION
GEOLOGY
UPPER CAMPBELL LAKE CLAIMS
UPPER CAMPBELL LAKE, N.T.S. 92F/13
NANAIMO MINING DIVISION, BRITISH COLUMBIA

J.S. VINCENT & ASSOCIATES
AMERLIN EXPLORATION SERVICES LTD.

SCALE IN METRES





EXPLANATION

STREAM SEDIMENT SAMPLE LOCATION

- UCS-3 ○ Au ppb
- Cu ppm
- Zn ppm
- As ppm

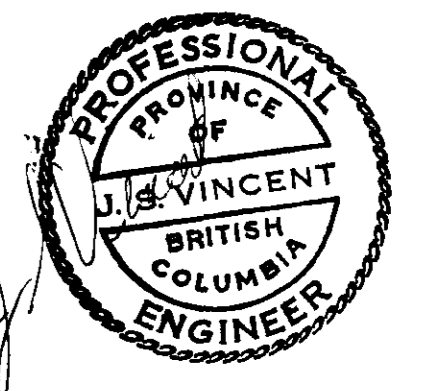
ROCK SAMPLE LOCATION

- UC-5 △ Au ppb
- △ Cu ppm
- △ Zn ppm
- △ As ppm

△ 61919 : ASSAYED ROCK SAMPLE RESULTS TABULATED IN REPORT

NOTE : ANALYTICAL VALUES FOR OTHER ELEMENTS ARE APPENDED TO REPORT

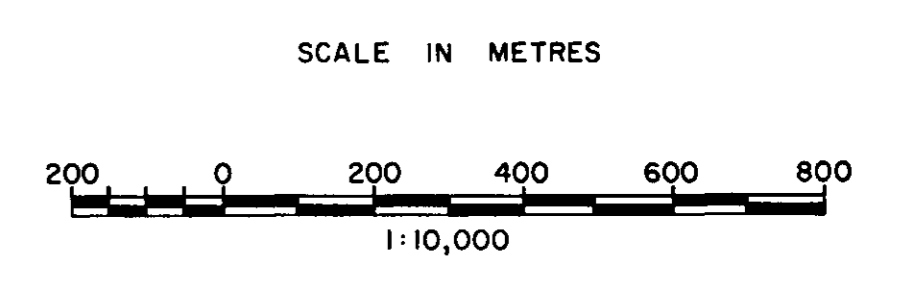
GEOLOGICAL BRANCH ASSESSMENT REPORT



11,921

RICH LODE GOLD CORPORATION
GEOCHEMISTRY
 UPPER CAMPBELL LAKE CLAIMS
 UPPER CAMPBELL LAKE, N.T.S. 92F/13
 NANAIMO MINING DIVISION, BRITISH COLUMBIA

J.S. VINCENT & ASSOCIATES
AMERLIN EXPLORATION SERVICES LTD.



REPORT B

ADDENDUM TO RECONNAISSANCE REPORT

Reconnaissance Geological and Geochemical Report
on the Upper Campbell Lake Claims

ADDENDUM

During the later part of May and early June 1983, a field crew of Worldwide Brokers Inc. conducted soil sampling as per recommendations of Messrs. Verley and Vincent in their report of June 1983.

The object of this work was to test the hypothesis that copper-iron mineralization on the Robin 1 and 2 claims may extend to the Anchor 1 claim.

Results of the sampling (attached) indicate copper in soils ranges from 6 to 1300 ppm; gold ranges from 5 to 65 ppb and silver ranges from 0.1 to 1.8 ppm. High copper values suggest mineralization is restricted to the Robin 1 and 2 claims. High gold values, while possibly anomalous, appear to reflect levels of gold in known mineralization (up to 0.050 oz/ton or 2000 ppb). The known mineralization appears to be thin and conformable with host Karmutsen volcanics. In view of this and the sample results, it is believed there is little likelihood for locating an economic copper-iron-gold deposit on the Robin claims or in the adjacent sampled areas. No further work is recommended.

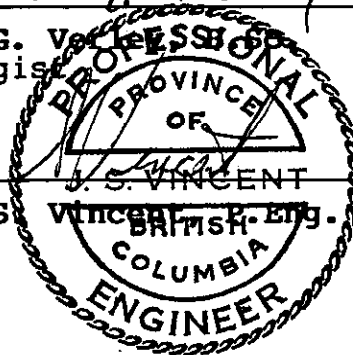
Respectfully submitted,

Carl G. Verley

Carl G. Verley
Geologist

John S. Vincent

John S. Vincent



July 1983

John S. Vincent P. Eng.

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH.
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *Al Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

RICHLÖDE

FILE # 83-0808

PAGE# 1

SAMPLE	CU PPM	AG PPM	AU* PPB
3N 800W	82	.1	5
3N 750W	75	.3	5
3N 700W	33	.3	10
3N 650W	110	.2	35
3N 600W	70	.2	5
3N 550W	27	.4	5
3N 500W	54	.6	35
3N 450W	64	.2	5
3N 400W	65	.5	15
3N 350W	20	.3	55
3N 300W	82	.3	65
3N 250W	70	.4	35
3N 200W	88	.2	25
3N 150W	64	.6	5
3N 100W	18	.1	5
3N 50W	66	.4	5
3N 50E	74	.6	5
3N 100E	42	.1	5
3N 150E	19	.2	5
3N 200E	22	.1	5
3N 250E	40	.1	5
3N 300E	30	.2	5
3N 450E	98	.3	5
3N 500E	37	.4	65
3N 550E	88	.5	15
3N 600E	37	.7	20
3N 650E	50	.4	5
3N 700E	126	.2	5
3N 750E	90	.6	5
2N 750W	54	.2	5
2N 700W	195	.8	5
2N 650W	68	.3	35
2N 600W	44	.2	5
2N 550W	50	.1	5
2N 500W	34	.1	5
2N 450W	28	.1	5
2N 400W	20	.1	5

SAMPLE	CU PPM	AG PPM	AU* PPB
2N 350W	64	.1	5
2N 300W	50	.4	5
2N 250W	46	.1	5
2N 200W	58	.5	5
2N 150W	54	.1	5
2N 100W	290	1.8	50
2N 50W	1300	.6	55
2N 0W	70	.6	5
2N 50E	100	.3	5
2N 100E	158	.1	5
2N 150E	68	.2	5
2N 250E	25	.1	5
2N 300E	10	.1	10
2N 350E	48	.1	5
2N 400E	86	.1	5
2N 450E	100	.1	5
2N 500E	60	.1	5
2N 550E	74	.4	5
2N 600E	50	.2	5
2N 650E	76	.1	5
2N 700E	50	.1	5
2N 750E	82	.1	45
2N 800E	60	.1	15
1N 700W	32	.4	15
1N 650W	18	.2	5
1N 600W	42	.1	5
1N 550W	43	.2	45
1N 500W	12	.1	5
1N 450W	25	.1	5
1N 400W	60	.2	15
1N 350W	94	.1	15
1N 300W	34	.1	5
1N 250W	30	.2	5
1N 200W	32	.1	35
1N 150W	90	.5	25
1N 100W	75	.3	25
1N 50W	72	.1	30

SAMPLE	CU PPM	AG PPM	AU* PPB
1N 50E	36	.2	5
1N 100E	56	.1	5
1N 150E	74	.1	10
1N 200E	42	.2	5
1N 250E	52	.1	5
1N 300E	31	.4	5
1N 350E	40	.3	5
1N 400E	32	.1	5
1N 450E	54	.3	5
1N 500E	50	.6	5
1N 550E	55	.3	5
1N 600E	78	.2	5
1N 650E	62	.4	5
1N 700E	46	.5	5
1N 750E	68	.4	5
1N 800E	70	.6	5
0	105	.2	5
0+50	76	.3	5
0+100	6	.1	5
0+150	148	.3	5
0+200	74	.1	5
0+250	74	.3	5
0+300	60	.1	5
0+350	162	.2	25
0+400	40	.4	5
0+450	80	.1	5
0+500	105	.1	5
0+550	135	.1	55
0+600	68	.2	15
0+700	72	.3	5
0+750	72	.3	5
0+800	60	.2	5
0+850	64	.1	5

SAMPLE	CU PPM	AG PPM	AU* PPB
1	132	.1	5
2	70	.1	5
3	58	.1	5
4	32	.1	5
5	32	.1	5
6	55	.1	5

REPORT C

REPORT OF WORLD WIDE BROKERS INC.

WORLD WIDE BROKERS INC.

Honeymoon Creek
Woods Road
Bowen Island, B.C.
VON 1G0

Work report on Campbell River Claims
Week of Sunday June 5th to Monday 13th ¹⁹⁸² - 9 working days.

Under the direction of Mr. Jack Vincent, the six grid lines of 800 meters each were completed.

Soil Samples were taken and delivered to Acme Laboratories. Results will be available July 1st. Flag stations were marked and sampled every 50 meters. The soils were orange-brown, taken below the organic layer. The holes were 8-10 inches deep. Samples bags were marked with the correct station and line number.

The original of Mr. Vincent's instructions is included in this report.

Expenses were as follows: (receipts attached)

Ferry	\$ 70.40
Gas	80.46
Food	56.28
Ice & Oil	7.80

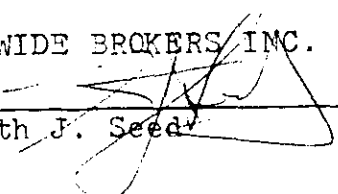
Accom. Island Inn	
Authorized/H.J. Seed	
	<u>243.87</u>

Total	\$516.91
-------	----------

Two men @ 300. per day x 9 days	\$2,700.00
4-wheel drive @ 100. per day x 9 days	900.00
Expenses as attached receipts (ORIGINALS ON FILE)	<u>516.91</u>
TOTAL EXPENSES	<u>\$4,116.91</u>

*On June 8th bears came into our camp and did more damage. We called Vancouver and were told to go to the Island Inn Motel. All equipment has been returned to our supply base on Bowen Island. The dynamite has been stored with Conex at the Powder Magazine in Nanaimo.

WORLDWIDE BROKERS INC.


Kenneth J. Seed

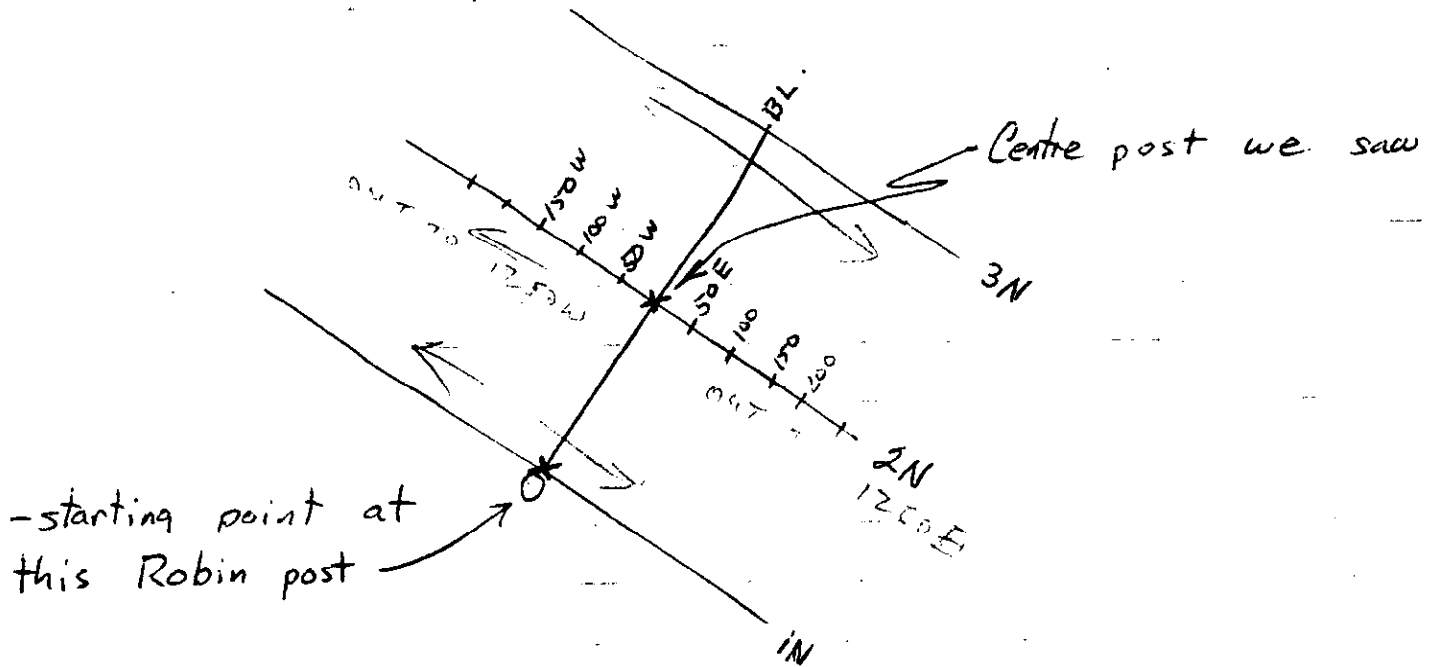
1. Locate the outside claim post for the ROBIN claims. The north post should be close to the shore of the little lake, so marked.
- claim line marked in red.

2. Put in a base line so marked and
3. cross lines 500 meters apart.

③ Flag stations marked at 50 metre intervals and collect a soil sample.

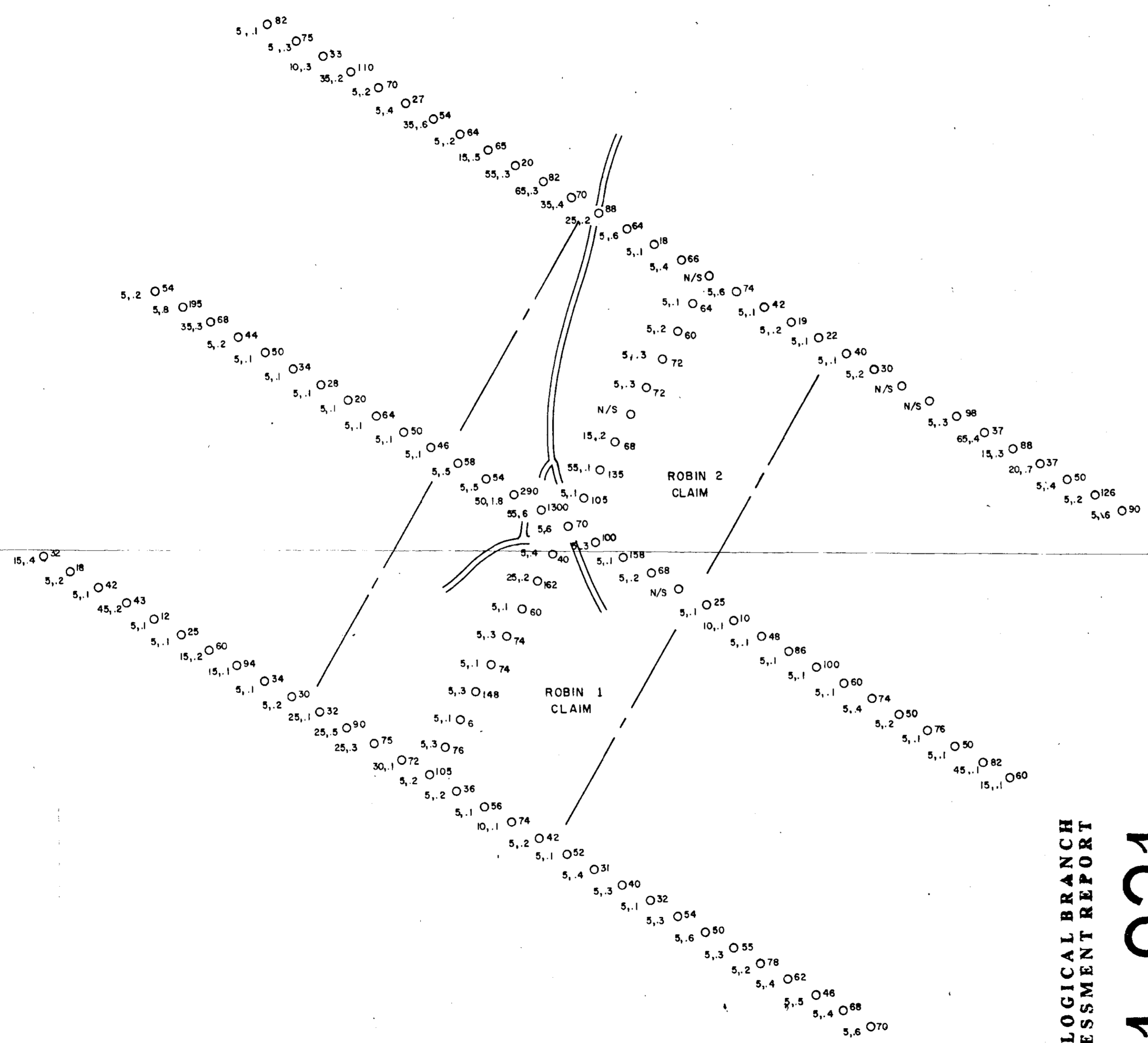
- soil must be orange-brown soil below the organic layer; hole will likely be 8-10" deep. Mark the sample bag with the right station and line number;

- example: L2N, 50E



- blaze + flag the lines so they can be easily found.

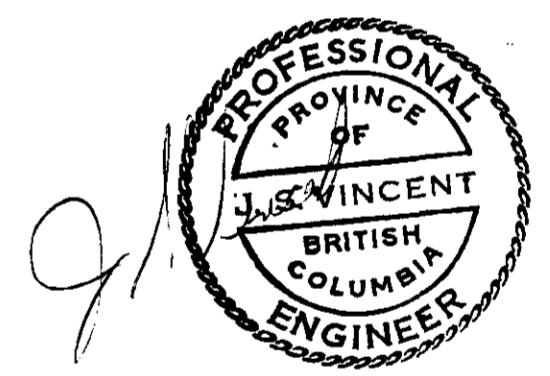
M3



LEGEND:

15.3 ○⁸⁸ Soil sample site & assays
 Au(pp.b), Ag(ppm) ○ Cu(pp.m)

Refer to Plate 1, for location, in report on Upper Campbell Lake Claims, June 1983.

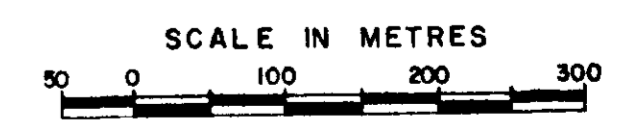


**RICH LODE GOLD CORPORATION
 SOIL GEOCHEMISTRY**

ANCHOR 1, ROBIN 1,2 CLAIMS
 UPPER CAMPBELL LAKE AREA
 N.T.S. 92 F/13

NANAIMO MINING DIVISION, B.C.

J.S. VINCENT & ASSOCIATES
 AMERLIN EXPLORATION SERVICES LTD.



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 11,921**