82-#750 - 10748

8

GEOCHEMICAL REPORT

on a

SOIL SAMPLING SURVEY

over the

SIL 2 CLAIM

TAWEEL LAKE AREA KAMLOOPS MINING DIVISION

BRITISH COLUMBIA

Sil 2 Claim	:	17 km S80°W of Clearwater, B.C. : 51°37'N Latitude 120°17'W Longitude : N.T.S. 92 P/9
Written for	:	Simon A. Jutras Owner and Operator Box 1930 Salmon Arm, B.C. V0E 2T0
Written by	:	Dale E. Wallster Geologist 206 - 414 East 10th Avenue Vancouver, B.C. V5T 1Z8
Dated:	:	November 10, 1982

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SUMMARY

The SIL 2 Claim is located to the immediate east of Taweel Lake, approximately 17 kilometers S80°W of Clearwater, B.C. S.A. Jutras, of Salmon Arm, B.C., is the owner of the claim.

On August 15, October 4 and 5, 1981 and July 31 and August 1, 1982; 190 soil samples were collected from the B horizon. These samples were sent to Acme Analytical Laboratores (Vancouver, B.C.) and were analyzed for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Ba, W, and Au. Results of these analyses are appended.

Soil sampling was completed over 2 grids. The southern grid had previously been used for a ground magnetometer survey. This geophysical survey outlined several magnetic anomalies.

CONCLUSIONS

It is recommended that further geochemical sampling be conducted particularly in the southwest quadrant of the property. This sampling should extend the present south "mag" grid and detail the intrinsically anomalous areas within this grid. The extension of the grid should be to the north, south and east. Several "long lines" stretching across the entire property may serve to find other potentially anomalous zones. When the extension geochemical surveys are completed, statistical manipulation of the data should be applied in order to define anomalous values. The potential overlap of magnetic anomalies and geochemical anomalies may serve to outline drill targets.

RECOMMENDATIONS

1. Grid lines should be cut (N-S Baseline with E-W crosslines) on the southwest quadrant of the property.
2. The property should be geologically mapped.
3. The soil sampling program should be extended. Samples taken should be analyzed by Inductively Coupled Argon Plasma (ICP) for Mo, Cu, Pb, Zn, Ag, Mn, Fe, As, Ba, W, Sb, and Th, and by specific extraction and atomic absorption instrumental techniques for Sn, Hg, and Au.
4. The gound magnetometer survey should be extended.
5. Based upon results of the above work, trenching, further geophysics or drilling may be recommended.

GEOCHEMICAL REPORT
ON A
SOIL SAMPLING SURVEY
OVER THE
SIL 2 CLAIM
TAWEEL LAKE AREA - KAMLOOPS MINING DIVISION
BRITISH COLUMBIA

INTRODUCTION AND GENERAL REMARKS

Soil sampling was conducted on the SIL 2 Claim during the periods August 15, 1981, October 4-5, 1981 and July 31 and August 1, 1982. This report discusses the survey procedure and implications of geochemical data obtained.

The report was written on behalf of Simon Jutras, the owner and operator of the claim.

Information in this report is based upon the author's direct participation in the field work, a review of the pertinent geological reports available, and data from geochemical analyses.

PROPERTY AND OWNERSHIP

The property consists of one mineral claim, staked in accordance with the modified grid system of the Province of British Columbia, and described as follows:

CLAIM NAME	NO.OF UNITS	RECORD NO.	DATE RECORDED
SIL 2	20	1996	August 14, 1979

These claims are owned and operated by Simon A. Jutras

of Salmon Arm, B.C.

An attempt to verify the legal status of these aforementioned claims was not an objective of this report, and thus any verdict of their nature is beyond the scope of this report and the knowledge of the author.

LOCATION AND ACCESS

The SIL 2 Claim is on map N.T.S. 92 P/9 and has geographical coordinates are 120°17' West longitude and 51°37' North latitude. The claim lies to the immediate east of the Taweel Lake, approximately 17 kilometers S80°W of Clearwater, B.C.

Access is by an unimproved (4-wheel drive) road following the Lemieux Creek valley from Highway 24 near Little Fort, B.C. (distance approximately 26 km.) or by forest industry haulage roads originating at Clearwater, B.C. (distance approximately 20 km.)

PHYSIOGRAPHY AND TOPOGRAPHY

The property is located at the northern edge of the Thompson Plateau - a physiographic division of the Interior Plateau System. The terrain is relatively flat although erosion, perhaps along Fault zones, has resulted in some moderate dissection of the property. Elevations on the property vary from a topographic high of approximately 1340 meters a.s.l. to a low of approximately 1220 meters a.s.l. at Taweel Lake.

The property is covered with coniferous forests and logging has and is occurring to the immediate north and northeast of the property.

HISTORY

In 1924, A. Olson of Mount Olie, reported an occurrence of silver-lead ore at the head of Lemieux Creek. A sample of this assayed 0.04 oz Au/ton, 2.05 oz Ag/ton, 0.2 % Cu, and 20% Pb. No further data pertaining to exploration or development work, conducted prior to that of the present owner has been found. However, old workings (costeans, collapsed adits, etc.) are evident in the vicinity of the property.

Recently the property has had ground geophysical surveys (proton precession magnetometer) conducted. This work was sponsored by Simon Jutras , the present owner.

GEOLOGY

In the vicinity of the SIL 2 Claim, Campbell and Tipper (1971) have indicated the presence of Triassic sedimentary rocks (black shale, argillite, phyllite, black limestone and siltstone) in fault contact with Triassic augite andesite flows, breccias, tuffs, greywackes, and grey limestone.

These sedimentary and volcanic rocks are cut by Cretaceous quartz monzonite, quartz diorite, and granodiorite intrusions.

Potential targets for exploration projects on the property include syngenetic massive sulphides and epigenetic veins hosted by the sedimentary and volcanic units or porphyry-type mineralization associated with the intrusive rocks.

Ground magnetic surveys (ref. Mark, 1981) on the property have considerable variations in magnetic intensities. These are interpreted as being the result of a change in lithology from sediments to volcanics.

GEOCHEMICAL (SOIL) SURVEY

Soil samples were collected from the B horizon at stations (either 15 or 30 meters apart) located on east-west lines spaced 100 meters apart. Fluorescent flagging, with the grid coordinates marked thereon, was placed at each station.

The samples were collected from 2 grid areas (Figure 2). The grid on which the ground magnetic survey was conducted was extended and utilized for soil sampling. 143 samples were collected from this area (Appendix C). 43 samples were collected from a grid located at the northwest corner of the property. (Appendix B).

The B horizon samples were placed in Kraft sample bags and submitted to Acme Analytical Laboratories (852 East Hastings Street, Vancouver, B.C.) for analyses (cf. Appendix A)

Geochemical data (Appendix D) obtained from rock samples taken from historic workings near the property and data outlined in the 1924 Minister of Mines Annual Report indicate that zinc, silver, and gold are the major targets for exploration. Copper and lead are of secondary importance. Arsenic, barium, boron, and cadmium (as indicated in the semi-quantitative spectrographic analyses - Appendix D) appear to be "indicator elements". After ICP analyses were performed it was evident that

molybdenum, iron, and tungsten may also be potential indicator elements. As well, after the initail analyses it was evident that results listed in Acme File 81-1096A were incorrect for LM3-210E to LM3-480E. Therefore these samples were reanalyzed. (Acme File 82-0813)

Several intrinsically anomalous values are noted, especially on the south grid (eg. 204 ppm Cu, 227 ppm Pb, 5.8 ppm Ag, 2670 ppm Zn, 426 ppm As, etc.) On the north grid the most obvious anomalous value is 7.4 ppm Ag.

CONCLUSIONS

It is recommended that further geochemical sampling be conducted particularly in the southwest quadrant of the property. This sampling should extend the present south "Mag" grid and detail the intrinsically anomalous areas within this grid. The extension of the grid should be to the north, south, and east. Several "long lines" stretching across the entire property may serve to find other potentially anomalous zones. When the extension geochemical surveys are completed statistical manipulation of data should be applied in order to define anomalous values. The potential overlap of magnetic anomalies and geochemical anomalies may serve to outline drill targets.

Respectfully submitted,

Dale E. Wallster

November 10, 1982

STATEMENT OF QUALIFICATIONS

I, DALE E. WALLSTER, of the City of Vancouver, Province of British Columbia, do hereby certify:

(1) THAT I am currently a self-employed consulting geologist with offices at 206-414 E. 10th Avenue, Vancouver, British Columbia.

(2) THAT I am a graduate of the University of Western Ontario, 1979, and hold a Bachelor of Science Honours degree in Geology.

(3) THAT since 1977 I have pursued my profession in geology. I have been employed as a geologist, actively involved in the search for mineral deposits in the Canadian Shield and the Western Cordillera of both the United States and Canada.

(4) THAT I am the author of this report titled, GEOCHEMICAL REPORT on a SOIL SAMPLING SURVEY over the SIL 2 CLAIM. This report is compiled from my observations and references cited.

(5) THAT I consent to the use of this report either in its entirety, or in part, only by written permission.

Dale E. Wallster
Geologist.

VANCOUVER, B.C.

November 10, 1982

REFERENCES

Annual Report, Minister of Mines, B.C., 1924, p.B152 (1925)

CAMPBELL, R.B. and Tipper, H.W. (1971)
Geology of Bonaparte Lake Map Area, B.C.
Geol. Survey of Canada, Memoir 363

MARK, D.G. (August, 1981)
Geophysical Report on a Ground Magnetic Survey over the SIL 2 Claim - Taweel Lake Area, Kamloops Mining Division, British Columbia.

MARK, D.G. (February, 1981)
Geophysical Report on a Ground Magnetic Survey over the SIL 2 Claim - Taweel Lake Area, Kamloops Mining Division, British Columbia.

AFFIDAVIT OF EXPENSES

The geochemical (soil) program was conducted on the SIL 2 Claim, Kamloops Mining Division, to the value of the following:

FIELD:

3 man crew, 5 days @ $400.00/day	$ 2000.00	
Vehicle and gas	350.00	
Lodging and meals	300.00	
Survey Supplies	50.00	
		2700.00

REPORT:

Geochemical Analyses 18 Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, and As by ICP @ $4.50/analyses		
1 Cu, Pb, Zn, Ag, Au, and Co assay @ $24.00		
125 Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, and As by ICP @ $4.90/analyses		
18 Au @ $3.25/analyses		
18 Ba @ $2.00/analyses		
1 Cu, Pb, Zn, Ag, Au, Cd, As assay @ $31.50		
47 Mo, Cu, Pb, Zn, Ag, Mn, Fe, As, Ba, and W by ICP @ $5.50/analyses		1102.00

COMPILATION

Geologist - 1 day @ $200.00/day		200.00
Total	$	4002.00

Respectfully submitted

DALE E. WALLSTER

November 10, 1982

APPENDIX A

ANALYTICAL METHODOLOGY

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone : 253 - 3158

GEOCHEMICAL LABORATORY METHODOLOGY - 1981

SAMPLE PREPARATION

1. Soil samples are dried at 60°C and sieved to -80 mesh.

2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis for Ag*, Bi*, Cd*, Co, Cu, Fe, Mn, Mo, Ni, Pb, Sb*, V, Zn

0.5 gram samples are digested hot dilute aqua regia in a boiling water bath and diluted to 10 ml with dimineralized water.

All the above elements are determined in the acid solution by Atomic Absorption.

* demotes background correction.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnite at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb graphite AA.)

Geochemical Analysis for Au, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt, and Rh are determined in the solution by Atomic Absorption.

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml.

As is determined in the solution by Graphite Furnace Atomic Absorption.

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

Geochemical Analysis of Hg

Digestion

A .50 gram sample is digested with aqua regia and diluted with 20% HCl.

Determination

Hg in the solution is determinated by cold vapour AA using F & J Scientific Hg assembly. An aliquot is added to stannous chloride-hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it determined by AA.

Oxalic Acid Leach of Rock, Soil & Silt Samples

A .50 gram sample is digested hot with 10 mls 5% oxalic acid solution. The oxalic acid will dissolve Fe and Mn from their oxided of M - 1 fraction (but not from magnetite & ilmenite) limonites and clays. The following metals are analysed by atomic absorption : Cu, Zn, Pb, Ni, Mo, Fe & Mn.

Cold HCl Acid Extraction

A .50 gram sample is leached with 10 ml 5% HCl solution at room temperature for 2 hours with ocasional shaking. Copper is dissolved from the organic and surface layers of clay fractions.

EDTA Extraction

A .50 gram sample is leached at room temperature for 4 hours with 10 mls of 2.5% EDTA solution.

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Geochemical Analysis for Barium

0.1 gram samples are digested with hot NaOH and EDTA solution.

Ba is determined in the solution by Atomic Absorption.

Geochemical Analysis for Uranium

0.5 gram samples are digested with hot aqua regia and diluted to 10 ml.

Aliquots of the acid extract are solvent extracted using a salting agent and aliquots of the solvent extract are fused with NaF, K_2CO_3 and Na_2CO_3 flux in a platinum dish.

The fluorescence of the pellet is determined on the Jarrel Ash Fluorometer.

Geochemical Analysis for Tungsten

1.0 gram samples are fused with KCl, KNO_3 and Na_2CO_3 flux in a test tube, and the fusions are leached with 10 ml water. W is in the solution determined by ICP with a detection of 1 ppm.

Geochemical Analysis for Fluorine

0.25 gram samples are fused with sodium hydroxide and leached with 10 ml water. The solution is neutralized, buffered, adjusted to pH 7.8 and diluted to 100 ml.

Fluorine is determined by Specific Ion Electrode using an Orion Model 404 meter.

Geochemical Analysis for Tin

1.0 gram samples are fused with ammonium iodide in a test tube. The sublimed iodine is leached with dilute hydrochloric acid.

The solution is extracted with MIBK and tin is determined in the extract by Atomic Absorption.

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Telephone : 253 - 3158

Multi Element Analysis by ICP

Digestion of Sample

0.5 gram samples are digested with hot aqua regia for one hour and the sample is diluted to 10 ml. The diluted sample is aspirated by ICP and the analytical results are printed by Telex, either in percent or ppm as shown.

Please Note : This digestion is partial for Al, Ca, La, Mg, P Ti, W and very little Ba is dissolved.

Report Format

HO/22N 385ØW
EGC

BURN # 1 GE16 15:46 3FEB1981

IS									
1357									
MO	CU	PB	ZN	AG	NI	CO	MN	FE%	AS
3.92	41.5	9.ØØ	136	.332	15.3	5.7Ø	312	3.167	5.73
U	IS	TH	IS	CD	SB	BI	V	CA%	P%
4.11	.371	.424	1Ø73	.96Ø	1.94	4.51	52.7	1.1Ø7	.2Ø6
LA	IN	MG%	BA%	TI%	B	AL%	IS	IS	W
22.1	3.5Ø	.2589	.Ø184	.ØØ14	-.Ø5	1.72Ø	Ø	3.Ø6	.276

*O/M1
EGC

BURN # 1 GE16 15:48 3FEB1981

1358									
.563	29.3	34.6	171	.154	33.4	11.5	794	2.536	8.77
3.57	.Ø44	2.79	765	1.Ø8	.635	4.25	54.8	.6452	.1Ø9
6.42	2.88	.6ØØ8	.Ø252	.Ø753	-.37	1.944	Ø	2.32	-.61

Code :

HO, *O, EGC	Computer Intructions.
/22N 3850 W	Sample Number.
/M1	ACME Geochem standard for quality control.
15:46 3FEB1981	Time and Date of Analysis.
BURN # 1 GE16	Geochem Computer Program.
IS	Internal Standard.

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Assaying & Trace Analysis
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Telephone : 253 - 3158

Interpretation of Results

Stamdard M-1 is a certified geochem standard used to monitor the results. M-1 has the following analysis.

1.	Mo	:	in ppm	M1	2.	ppm
2.	Cu	:	in ppm	M1	28.	ppm
3.	Pb	:	in ppm	M1	38.	ppm
4.	Zn	:	in ppm	M1	180.	ppm
5.	Ag	:	in ppm	M1	0.3	ppm
6.	Ni	:	in ppm	M1	32.	ppm
7.	Co	:	in ppm	M1	12.	ppm
8.	Mn	:	in ppm	M1	800.	ppm
9.	Fe	:	in %	M1	2.5	%
10.	As	:	in ppm	M1	8.	ppm
11.	U	:	in ppm	M1	3.	ppm
12.	IS	:	Internal Standard.			
13.	Th	:	in ppm	M1	3.	ppm
14.	IS	:	Internal Standard.			
15.	Cd	:	in ppm	M1	2.	ppm
16.	Sb	:	in ppm	M1	3.	ppm
17.	Bi	:	in ppm	M1	2.	ppm
18.	V	:	in ppm	M1	54.	ppm
19.	Ca	:	in %	M1	0.62	%
20.	P	:	in %	M1	0.11	%
21.	La	:	in ppm	M1	8.	ppm
22.	In	:	in ppm	M1	2.	ppm
23.	Mg	:	in %	M1	0.67	%
24.	Ba	:	in %	M1	0.023	%
25.	Ti	:	in %	M1	0.07	%
26.	B	:	in ppm	M1	12.	ppm
27.	Al	:	in %	M1	1.9	%
28.	IS	:	Internal Standard.			
29.	IS	:	Internal Standard.			
30.	W	:	in ppm	M1	1.	ppm

Notes:

1. Zinc over 5000 ppm interferes on W channel.
2. Iron over 1. % interferes on In and Sb channel.

Monitoring of Results:

If analysis of standard M-1 is different than the certification, then compensate (add or subtract) samples appropriately.

Standardization:

Complete set of USGS standards, Canadian Certified Reference Materials and 72 specpure metals from Johnson Matthey.

APPENDIX B

GEOCHEMICAL DATA FROM SOIL SAMPLES (NORTH GRID)

Mo, Cu, Pb, Zn, Ag, Mn, Fe, As, Ba, W

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

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,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - SOIL

DATE RECEIVED AUG 7 1982 DATE REPORTS MAILED Aug 16/82 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

D.E. WALLSTER FILE # 82-0777

SAMPLE #	MO ppm	CU ppm	PB ppm	ZN ppm	AG ppm	MN ppm	FE %	AS ppm	BA ppm	W ppm
NG1 0	1	15	11	204	.7	257	2.98	11	146	2
NG1 30E	2	16	43	207	1.9	167	3.53	57	139	2
NG1 60E	1	16	16	72	1.1	111	2.11	13	109	2
NG1 90E	2	20	17	95	.7	190	2.87	18	85	2
NG1 120E	2	20	14	125	.5	212	4.00	12	122	2
NG1 150E	2	26	22	135	.9	225	3.42	25	138	2
NG1 180E	3	25	22	132	1.3	187	4.02	36	136	2
NG1 210E	1	8	14	136	1.3	420	2.11	7	105	2
NG1 240E	2	57	24	121	2.2	616	2.93	16	230	2
NG1 270E	3	15	31	123	.7	197	3.27	15	95	2
NG1 300E	2	14	22	180	.6	153	3.76	20	131	2
NG1 330E	2	31	38	177	.5	534	3.71	23	220	2
NG1 360E	2	13	15	130	.5	193	3.05	15	104	2
NG1 390E	3	18	18	129	.4	203	3.85	20	100	2
NG1 420E	1	45	32	109	.5	254	3.58	21	118	2
NG2 240E	2	17	14	88	.8	146	3.99	13	80	2
NG2 270E	1	15	19	109	.5	218	2.09	9	111	2
NG2 300E	3	28	23	130	.7	441	3.02	17	159	2
NG2 330E	3	26	22	137	.9	273	3.60	30	198	2
NG2 360E	2	24	22	132	.4	283	3.27	29	137	2
NG2 390E	3	48	31	192	1.0	426	3.83	30	252	2
NG2 420E	1	8	19	122	.5	195	2.83	8	102	2
NG3 0	2	29	12	241	.5	390	4.93	76	133	2
NG3 30E	3	28	29	222	1.3	591	4.08	27	120	2
NG3 60E	2	15	37	210	1.6	473	3.50	23	90	2
NG3 90E	1	13	25	163	.7	800	2.82	12	166	2
NG3 120E	3	10	17	154	1.0	665	2.54	16	112	2
NG3 150E	2	25	21	121	.5	408	3.65	21	108	2
NG3 240E	2	25	15	106	.6	369	3.26	13	144	2
NG3 270E	2	43	25	106	.6	205	3.77	21	112	2
NG3 300E	1	10	7	102	.4	166	3.37	7	68	2
NG3 330E	2	19	30	386	.9	540	3.45	25	208	2
NG3 360E	2	17	10	133	.7	218	4.79	19	88	2
NG3 390E	1	53	5	83	2.0	160	1.24	8	110	2
NG3 420E	2	10	7	23	.2	180	.31	2	32	2
STD A-1	1	29	36	171	.4	913	2.68	12	269	2

D.E. WALLSTER FILE # 82-0777

SAMPLE #	MO ppm	CU ppm	PB ppm	ZN ppm	AG ppm	MN ppm	FE %	AS ppm	BA ppm	W ppm
NG4 0	3	34	31	223	.8	436	4.18	49	133	2
NG4 30E	2	33	26	198	.6	257	4.15	38	143	2
NG4 60E	3	18	34	153	7.4	388	2.76	32	99	2
NG4 90E	2	17	24	121	.6	329	2.47	16	74	2
NG4 120E	2	18	20	170	.5	290	3.11	21	117	2
NG4 150E	2	25	23	142	.4	291	3.43	24	89	2
NG4 180E	2	47	26	259	1.8	422	3.84	35	182	2
NG4 240E	1	15	19	106	.3	154	2.96	15	118	2
NG4 270E	2	26	22	94	.3	413	3.33	20	135	2
NG4 330E	1	20	11	116	.2	233	3.98	13	65	2
NG4 360E	2	18	25	183	.4	199	3.78	26	111	2
NG4 390E	2	24	24	189	.6	255	3.54	22	117	2
NG4 420E	2	7	14	109	.4	169	2.57	11	74	2
STD A-1	1	31	36	177	.4	955	2.81	11	283	2

APPENDIX C

GEOCHEMICAL DATA FROM SOIL SAMPLES

(SOUTH "MAG" GRID)

Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Ba, W, Au

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: Mr. Dale Wallster,
430 - 890 W. Pender St.,
Vancouver, B.C.
V6C 1K2

File No. 81-1614 A
Type of Samples Soils
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
LM1 330 E	3	25	18	274	.8	35	14	195	3.7	37	1
360	2	10	14	172	.6	15	6	236	2.4	23	2
390	1	13	14	160	1.2	21	12	172	2.4	11	3
420	1	13	14	125	.5	24	8	167	2.0	11	4
480	3	21	17	147	.6	34	13	270	3.0	23	5
540	28	63	12	264	1.7	54	20	8790	4.2	165	6
555	5	77	14	111	1.5	58	11	1118	3.1	35	7
570	4	54	23	163	1.5	64	18	1008	3.5	40	8
585	3	33	17	141	.8	44	16	505	3.0	27	9
600	4	68	29	218	2.0	58	19	1243	3.8	48	10
615	3	24	20	213	1.0	39	15	196	3.5	33	11
630	2	10	13	168	1.0	17	15	440	3.2	24	12
645	2	10	25	155	.7	15	9	373	1.9	19	13
660	2	10	36	288	.9	16	7	214	2.1	20	14
675	2	10	27	327	.5	22	12	680	2.0	20	15
690	2	10	15	186	1.4	13	8	582	1.6	13	16
705	5	40	22	308	1.2	46	11	280	3.3	48	17
720	4	26	11	480	.6	41	12	252	2.7	32	18
750 E	6	21	23	313	.6	32	10	257	3.8	54	19
											20
											21
LM2 210 E	2	22	8	135	.7	34	10	203	2.5	14	22
240	2	18	12	128	.1	32	10	203	3.0	20	23
270	3	11	19	136	.3	20	7	131	3.6	21	24
300	1	6	9	100	.3	12	8	378	1.6	7	25
330	1	14	13	102	.1	26	11	284	2.5	18	26
360	3	30	18	142	.1	37	15	457	2.9	22	27
390	2	10	9	122	.1	20	8	404	2.2	13	28
420	3	23	12	136	.1	34	11	240	3.3	21	29
450	2	26	13	107	.6	39	13	522	2.7	19	30
480	2	43	17	130	1.3	53	15	400	3.3	30	31
510	2	27	13	139	.1	35	14	241	2.8	21	32
525	3	61	19	145	1.5	56	18	696	3.5	32	33
540	2	37	15	119	.7	43	14	360	2.9	24	34
555	2	35	16	260	.3	44	15	800	3.1	23	35
570	2	73	14	148	2.2	39	12	527	2.6	25	36
585 E	5	149	21	95	4.8	63	19	380	3.8	43	37
600 E	7	133	21	522	4.5	88	15	751	3.6	50	38
LM2 615 E	9	45	13	130	1.6	33	13	865	2.1	24	39
											40

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

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Oct. 10, 1981
DATE REPORTS MAILED Oct. 21, 1981
ASSAYER OKS

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

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: Mr. Dale Wallster

File No. 81-1614 A

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
LM2 630 E	3	40	21	134	.7	43	16	386	2.9	23	1
645	4	70	19	125	2.2	50	14	572	3.1	32	2
660	3	39	19	132	.5	43	15	408	3.2	27	3
675	3	40	17	146	.3	34	13	696	2.4	18	4
690	3	27	11	136	.1	35	12	295	2.6	18	5
720	4	22	16	180	.1	20	11	1495	2.0	15	6
750	2	16	16	111	.1	24	8	247	2.6	21	7
780	4	27	19	112	.2	31	17	335	3.0	22	8
LM2 810 E	6	80	6	20	.7	13	3	144	.9	6	9
											10
											11
LM3 240 E	2	9	14	250	1.1	21	14	271	1.8	8	12
270	5	29	17	569	1.1	59	20	363	3.0	30	13
555	3	14	9	378	.4	38	11	193	2.4	18	14
585	5	30	77	411	.5	40	9	223	2.7	88	15
615	4	62	30	1302	1.1	90	13	1132	2.9	149	16
645	5	28	35	1016	2.8	63	12	358	2.9	152	17
675	5	12	23	530	1.0	21	8	184	2.6	30	18
705	6	41	92	1203	1.5	46	21	408	5.0	124	19
735	3	17	22	414	.6	36	12	243	2.8	29	20
765	3	16	24	452	1.2	30	15	805	2.3	44	21
795 E	7	25	39	538	1.4	30	13	213	4.0	160	22
LM4 360 E	3	19	14	104	.6	34	14	254	3.0	23	23
390	4	20	12	99	.4	38	10	193	3.1	15	24
420	2	17	15	298	.7	32	11	177	2.2	14	25
450	3	23	22	271	.9	39	15	746	2.4	24	26
480	2	14	16	192	.3	26	10	405	2.1	18	27
510	2	8	13	172	.1	22	10	340	2.6	16	28
525	2	13	9	121	.1	31	12	197	2.7	14	29
540	1	6	9	167	.1	21	12	266	2.2	10	30
555	3	20	21	221	.1	29	11	482	3.1	44	31
570	2	9	19	212	.1	25	13	530	2.3	12	32
585	2	12	16	219	.2	30	13	315	2.7	25	33
600	2	8	12	306	.1	30	15	403	2.5	21	34
615	2	11	11	215	.3	35	15	211	2.7	18	35
630	4	29	27	202	.1	34	10	416	2.0	42	36
645	6	48	28	400	.5	52	13	333	2.8	62	37
660	3	13	26	479	.5	21	13	648	2.4	73	38
LM4 675 E	4	19	29	327	.5	29	10	289	3.0	63	39
											40

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DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Oct. 10, 1981

DATE REPORTS MAILED Oct. 21, 1981

ASSAYER

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

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

37

To: Mr. Dale Wallster

File No. 81-1614 A

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
LM4 690 E	2	12	24	349	.8	25	14	377	3.1	46	1
720	4	14	20	569	.8	25	20	373	3.3	34	2
750	4	30	18	338	.9	43	18	422	2.5	42	3
780	22	31	35	157	.5	28	7	289	3.9	56	4
810 E	2	24	14	150	.5	37	9	167	1.9	20	5
											6
											7
LM5 420 E	4	17	40	306	.4	30	10	392	2.5	30	8
450	2	14	15	220	.9	32	14	215	2.6	17	9
480	3	33	17	117	.1	37	13	475	2.7	23	10
510	2	23	16	179	.2	25	7	335	2.2	23	11
540	1	10	12	123	.1	19	9	988	2.0	10	12
570	1	10	10	200	.1	29	13	347	2.4	16	13
600	4	15	29	548	.5	32	14	278	3.1	153	14
630	3	11	46	513	.7	23	8	135	2.4	128	15
660	3	28	12	202	.7	37	11	203	3.5	129	16
690	4	35	36	873	.7	108	23	398	4.2	231	17
720	2	16	48	991	1.6	33	12	296	2.6	80	18
750	3	20	14	346	.5	53	12	227	2.8	32	19
780 E	2	14	18	381	1.0	40	11	187	2.9	30	20
810 E	4	28	13	544	.5	73	17	354	3.2	54	21
840	4	29	14	384	1.0	67	14	385	2.6	26	22
870	4	24	14	210	.4	50	11	166	2.7	27	23
900	4	29	11	289	.3	54	11	218	2.5	18	24
930	5	28	20	185	.4	44	10	209	2.7	27	25
960	5	29	18	199	.6	41	10	276	2.8	32	26
990 E	10	204	36	342	5.8	165	17	1902	5.1	158	27
LM6 420 E	1	11	20	355	.6	28	13	652	2.3	24	28
450	4	48	71	465	1.0	71	14	345	2.9	127	29
480	1	52	6	164	.1	39	7	337	2.1	11	30
510	1	7	10	157	.2	20	10	1013	1.6	11	31
540	2	15	9	147	.1	31	10	314	2.4	15	32
570	3	11	18	224	.2	31	12	361	2.4	40	33
600	77	136	227	485	5.5	46	19	761	10.0	225	34
615	13	26	18	744	.4	69	15	721	3.0	61	35
630	9	32	16	680	.2	107	15	383	2.7	42	36
645	2	10	11	268	.2	43	12	286	2.4	28	37
660	8	24	22	369	.5	75	15	191	3.3	64	38
LM6 675 E	31	62	13	332	.3	58	8	361	3.3	58	39
											40

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DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Oct. 10, 1981

DATE REPORTS MAILED Oct. 21, 1981

ASSAYER

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

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: Mr. Dale Wallster

File No. 81-1614 A
Type of Samples Soil
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
LM6 690 E	5	18	9	419	.4	56	9	249	2.4	36	1
705	4	80	39	316	1.2	78	22	1267	3.4	145	2
720	6	48	29	382	.5	80	21	585	3.2	140	3
735	4	36	22	524	.8	81	18	451	3.1	68	4
750	4	35	23	436	.7	133	13	281	3.6	60	5
780	3	26	6	486	.3	49	14	470	2.6	17	6
810	3	20	11	271	.6	60	10	179	2.4	19	7
840	5	35	12	228	.4	59	14	214	2.8	32	8
870	7	19	16	178	.6	41	11	199	2.5	20	9
900	5	12	13	240	.3	44	12	261	2.2	18	10
930	5	54	22	304	.6	82	16	423	3.3	82	11
960	6	36	20	253	.6	68	11	198	2.7	31	12
990	4	23	18	658	.9	64	17	324	3.6	38	13
LM6 1020 E	2	10	17	179	.4	27	8	267	2.2	19	14
											15
											16
											17
											18
											19
											20
											21
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											40

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

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Oct. 10, 1981

DATE REPORTS MAILED Oct. 21, 1981

ASSAYER

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

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B. C. V6A 1R6
phone:253 - 3158

To: Mr. Dale Walster,
430 - 890 W. Pender St.,
Vancouver, B. C. V6C 1K2

File No. 81-1096A
Type of Samples Soils
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

Sil #2 Claim

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	Au	Re-run	Ba
LM3 - 210E	2	7	6	10	.1	7	4	344	1.6	2	.005	1	40
270a	3	42	58	18	.7	9	22	1690	2.2	71	.005	2	30
270b	1	2	3	6	.1	5	3	506	1.6	3	.005	3	10
300	1	2	5	4	.1	2	2	145	.4	4	.005	4	10
330	1	2	2	5	.1	4	3	435	1.4	3	.010	5	10
360	1	6	14	44	.1	12	7	330	1.5	2	.005	6	10
390	1	20	19	42	.1	19	11	413	2.2	7	.005	7	10
420	1	10	16	49	.1	14	10	600	1.7	6	.005	8	30
450	1	7	13	49	.1	12	6	353	1.5	5	.005	9	20
480	1	9	19	38	.1	15	7	103	1.8	2	.005	10	10
510	3	17	14	123	.5	42	15	246	2.8	25	.005	11	10
540	2	14	30	307	.3	40	12	219	2.3	111	.005	12	10
570	3	17	27	271	.8	27	9	574	1.9	16	.005	13	10
600	4	27	42	615	1.1	42	16	446	3.7	82	.005	14	10
630	13	49	49	812	.4	56	12	270	4.5	252	.005	15	20
660	11	169	61	2670	4.7	332	14	1780	3.7	426	.005	16	80
690	5	19	44	640	1.2	33	12	258	3.2	38	.005	17	10
LM3 - 720	3	7	30	275	.7	21	11	615	2.4	42	.005	18	10
												19	
												20	
												21	
												22	
												23	
												24	
												25	
												26	
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												31	
												32	
												33	
												34	
												35	
												36	
												37	
												38	
												39	
												40	

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

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 19, 1981

DATE REPORTS MAILED Aug. 25, 1981

ASSAYER

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

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

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,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - PULP

DATE RECEIVED AUG 11 DATE REPORTS MAILED Aug 29/82 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

DALE WALSTER FILE # 82-0813 RE-RUN FILE # 81-1096

SAMPLE #	MO ppm	CU ppm	PB ppm	ZN ppm	AG ppm	MN ppm	FE %	AS ppm	BA ppm	W ppm
LM3-210E	2	24	25	175	.5	1280	2.76	16	110	2
LM3-270AE	2	14	23	243	.6	670	3.76	35	137	2
LM3-270BE	2	9	18	248	.8	246	2.59	14	78	2
LM3-300E	2	12	17	146	1.7	650	3.07	17	108	2
LM3-330E	3	48	26	198	2.1	548	3.53	37	136	2
LM3-360E	2	11	15	99	.5	146	3.49	13	84	2
LM3-390E	2	28	16	97	.2	236	3.43	17	88	2
LM3-420E	3	39	19	183	.6	224	3.37	39	120	2
LM3-450E	2	12	11	63	.4	398	1.91	16	84	2
LM3-480E	3	9	16	97	.6	150	3.60	27	104	2
LM3-510E	2	17	13	109	.5	267	2.88	23	77	2
LM3-540E	2	13	25	268	.3	237	2.43	123	106	2
LM3-570E	2	16	21	231	.8	610	2.00	16	100	2
LM3-600E	3	24	33	505	.9	462	3.62	81	102	2
LM3-630E	10	42	47	674	.6	277	4.31	266	110	2
LM3-660E	8	132	51	2033	3.7	1823	3.45	414	203	5
LM3-690E	3	18	40	550	1.1	271	3.16	38	89	2
LM3-720E	2	7	23	234	.7	667	2.56	40	129	2
STD A-1	1	30	39	171	.4	951	2.71	10	277	2

APPENDIX D

GEOCHEMICAL DATA FROM ROCK SAMPLES

To: Mr. Dale Walster,
430 - 890 W. Pender St.,
Vancouver, B. C. V6C 1K2

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone:253 - 3158

File No. 81-1096
Type of Samples Rock
Disposition

ASSAY CERTIFICATE

No.	Sample	Cu %	Pb %	Zn %	Ag oz/ton	Au oz/ton	Co %		No.
1	Tawell	.09	.01	2.70	.61	.010	.01		1
2									2
3									3
4									4
5									5
6									6
7									7
8									8
9									9
10									10
11									11
12									12
13									13
14									14
15									15
16									16
17									17
18									18
19									19
20									20

DATE SAMPLES RECEIVED Aug. 19, 1981
DATE REPORTS MAILED Aug. 25, 1981
ASSAYER

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

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone:253 - 3158

To: Mr. Dale Wallster,
430 - 890 W. Pender St.,
Vancouver, B.C.
V6C 1K2

File No. 81-1614 B
Type of Samples Rock
Disposition

ASSAY CERTIFICATE

No.	Sample	Cu%	Pb%	Zn%	Ag oz/ton	Au oz/ton	As%	Cd%	No.
1	TAWEEL 2	.18	.01	.01	.52	.690	25.10	Trace	1
2									2
3									3
4									4
5									5
6									6
7									7
8									8
9									9
10									10
11									11
12									12
13									13
14									14
15									15
16									16
17									17
18									18
19									19
20									20

DATE SAMPLES RECEIVED Oct. 10, 1981
DATE REPORTS MAILED Oct. 22, 1981
ASSAYER

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

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE. 985-0648
AREA CODE 604
TELEX. 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 33828

TO: S.A. Jutras
P.O. Box 1930
Salmon Arm, B.C.

ATTN:

INVOICE NO. 26362

RECEIVED June 29, 1978

ANALYSED July 5, 1978

SAMPLE NO. :	% Copper	% Lead	% Zinc	oz/ton Silver	oz/ton Gold
4 Rocks	0.03	0.12	1.34	1.82	0.024

CTA MEMBER CANADIAN TESTING ASSOCIATION

R. Hewitt

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. SP 0971

TO: S.A. Jutras
Box 1930
Salmon Arm, B.C.
V0E 2T0

ATTN:

INVOICE NO. 32026

RECEIVED Aug. 13/79

ANALYSED Aug. 20/79

SAMPLE NO. :	Lower Concentration Limit (PPM)	1-sample
Antimony	50	50
Arsenic	50	10,000
Barium	5	200
Beryllium	5	bcl
Bismuth	5	50
Boron	20	100
Cadmium	20	150
Calcium	0.05%	2%
Chromium	10	20
Cobalt	10	bcl
Copper	1	700
Gallium	5	bcl
Germanium	20	bcl
Indium	50	bcl
Iron	0.05%	7%
Lead	5	50
Magnesium	0.02%	0.1%
Manganese	5	700
Molybdenum	10	bcl
Nickel	5	10
Niobium	50	bcl
Silver	1	5
Strontium	2	10
Tellurium	200	bcl
Thorium	200	bcl
Tin	10	bcl
Titanium	5	70
Vanadium	20	bcl
Zinc	50	> 10,000
Zirconium	20	bcl

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

>5000 ppm => 5000 ppm		50 ppm	= 25–100 ppm
5000 ppm = 2500–10000 ppm		20 ppm	= 10–50 ppm
2000 ppm = 1000–4000 ppm		10 ppm	= 5–20 ppm
1000 ppm = 500–2000 ppm		5 ppm	= 2–10 ppm
500 ppm = 250–1000 ppm		2 ppm	= 1–4 ppm
200 ppm = 100–400 ppm		1 ppm	= 0.5–2 ppm
100 ppm = 50–200 ppm		bcl	= below concentration limit

Ranges for Iron, Calcium & Magnesium are reported in %

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

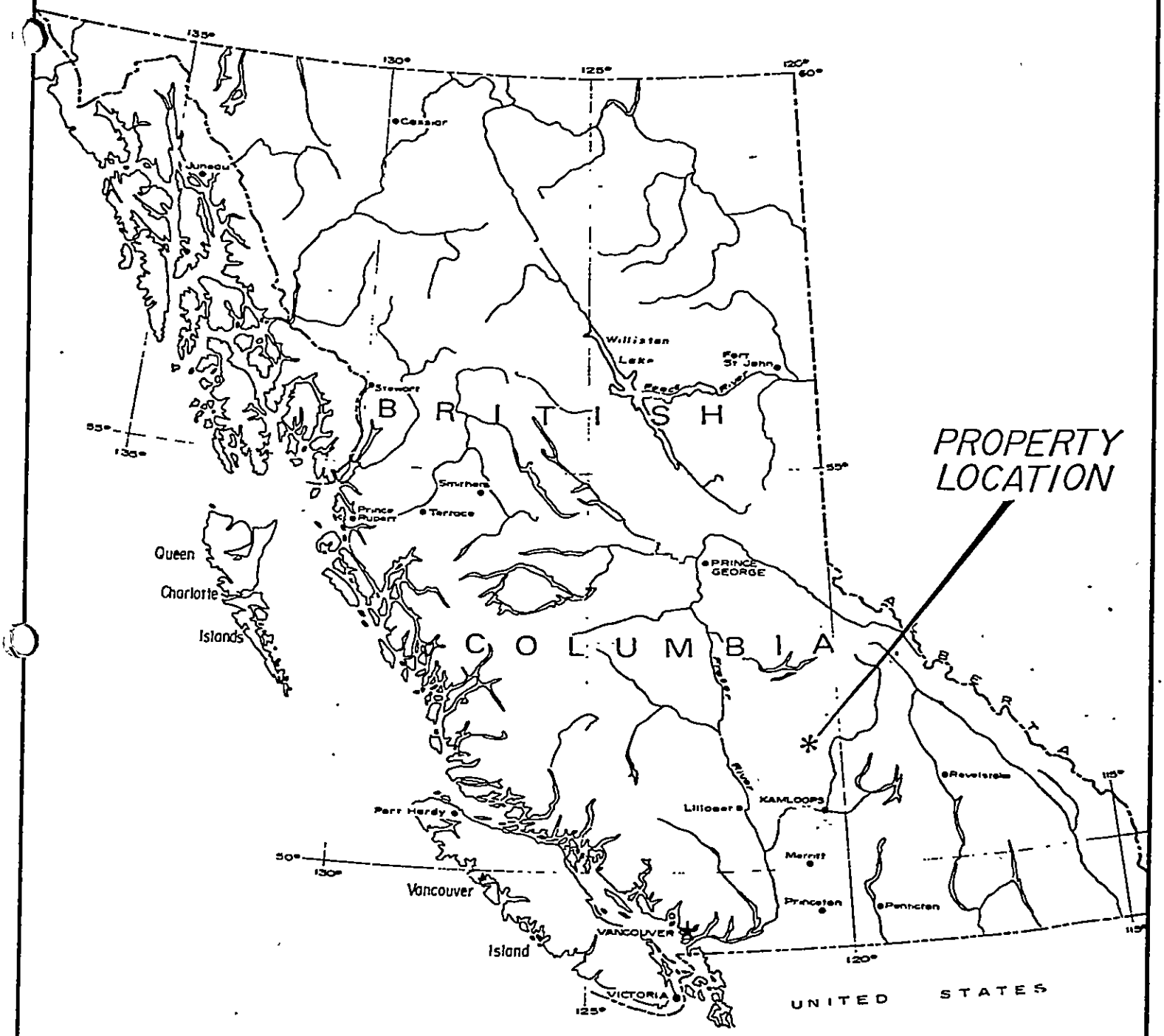


FIG. 1

SIMON A JUTRAS

SIL 2 CLAIM

TAWEEL LAKE, KAMLOOPS M.D., B.C.

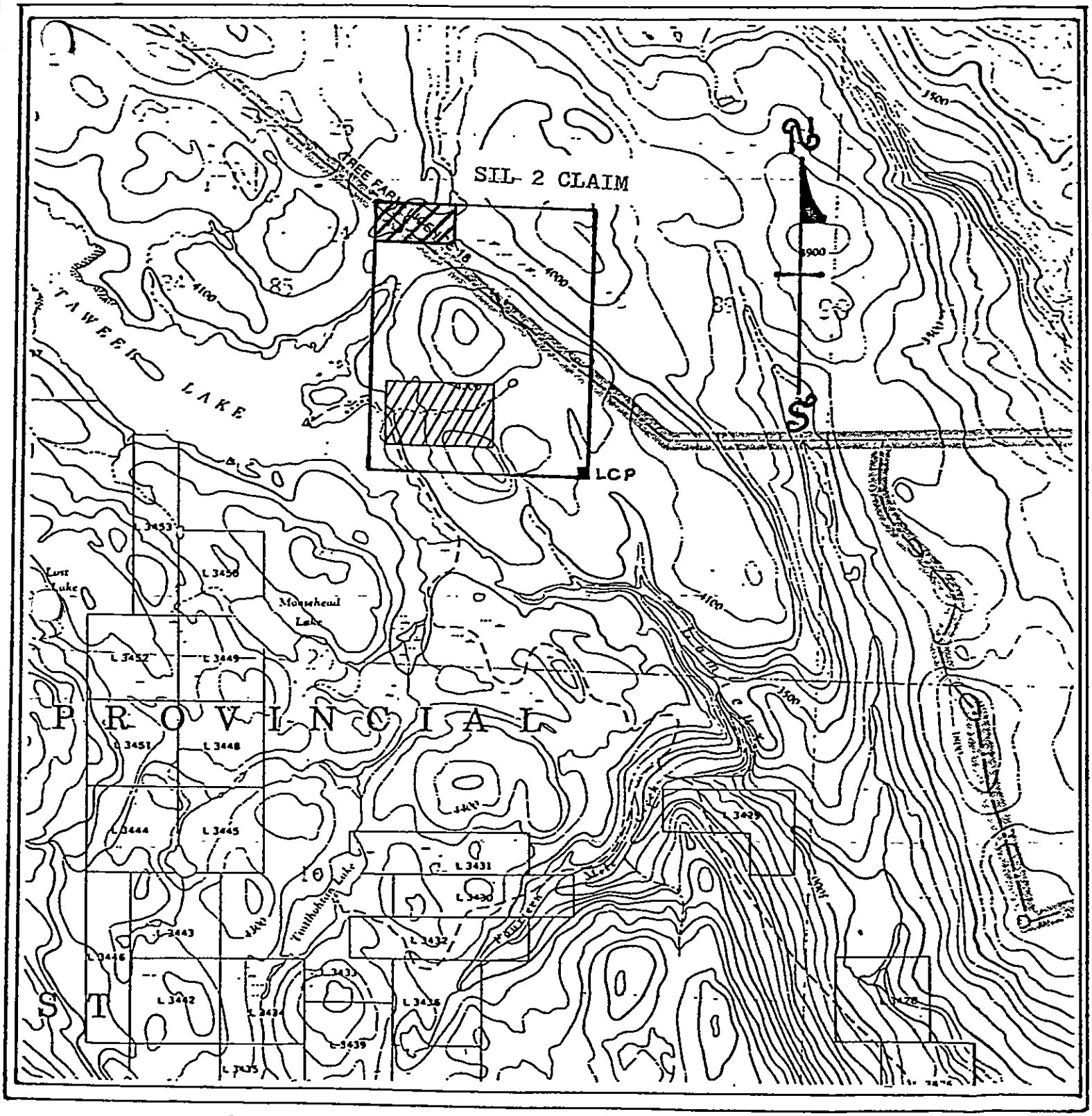
LOCATION MAP

SCALE

Km. 100 50 0 100 200 300 400 Km.

Miles 100 50 0 100 200 Miles

ALTAIR drafting services ltd.



SIL 2 CLAIM : MAP SHEET 92 P/9
Scale 1:50,000

Survey Area

SIMON A. JUTRAS
SIL 2 CLAIM
Taweel Lake, Kamloops M.D., B.C.

CLAIM MAP
FIGURE 2

SOIL GEOCHEMISTRY

SIL 2 CLAIM

TAWEEL LAKE - KAMLOOPS M.D., B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,748