86-330-14948

06187

GEOCHEMICAL ASSESMENT REPORT

On The

BOGG MINERAL CLAIMS

Kamloops M.D.
N.T.S. ~~92P/9,10~~ 92P/9W, 92P/10E
Lat. 51° ~~35,37~~ 37' Long. 120° ~~30~~ 31.4'

for Owner and Operator
G.H. Rayner

Vancouver, B.C.
June, 1986.

S. [illegible]ikovich
Geochemical Consultant

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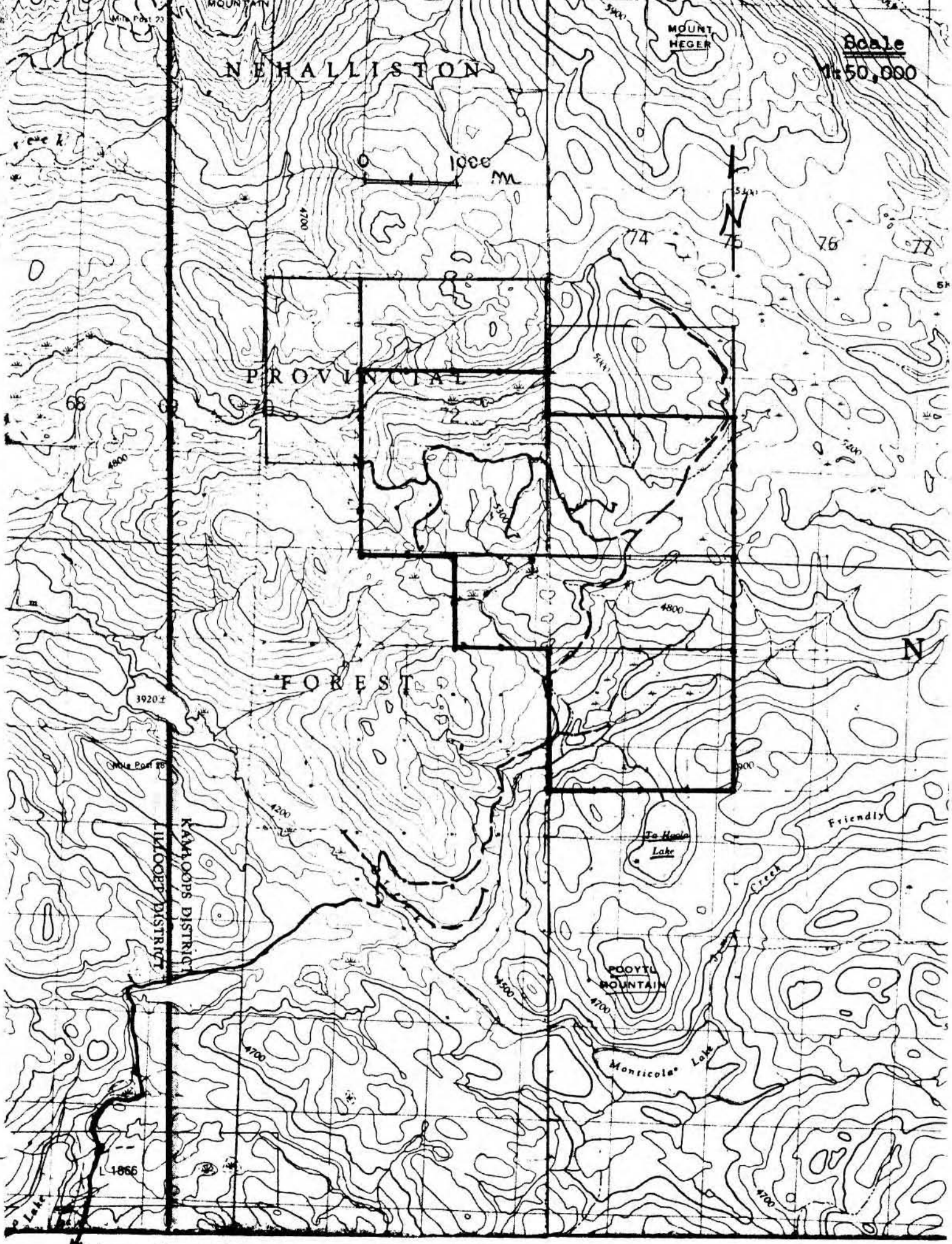
Illustrations



INDEX MAP - Bogg Claims

Fig. 1

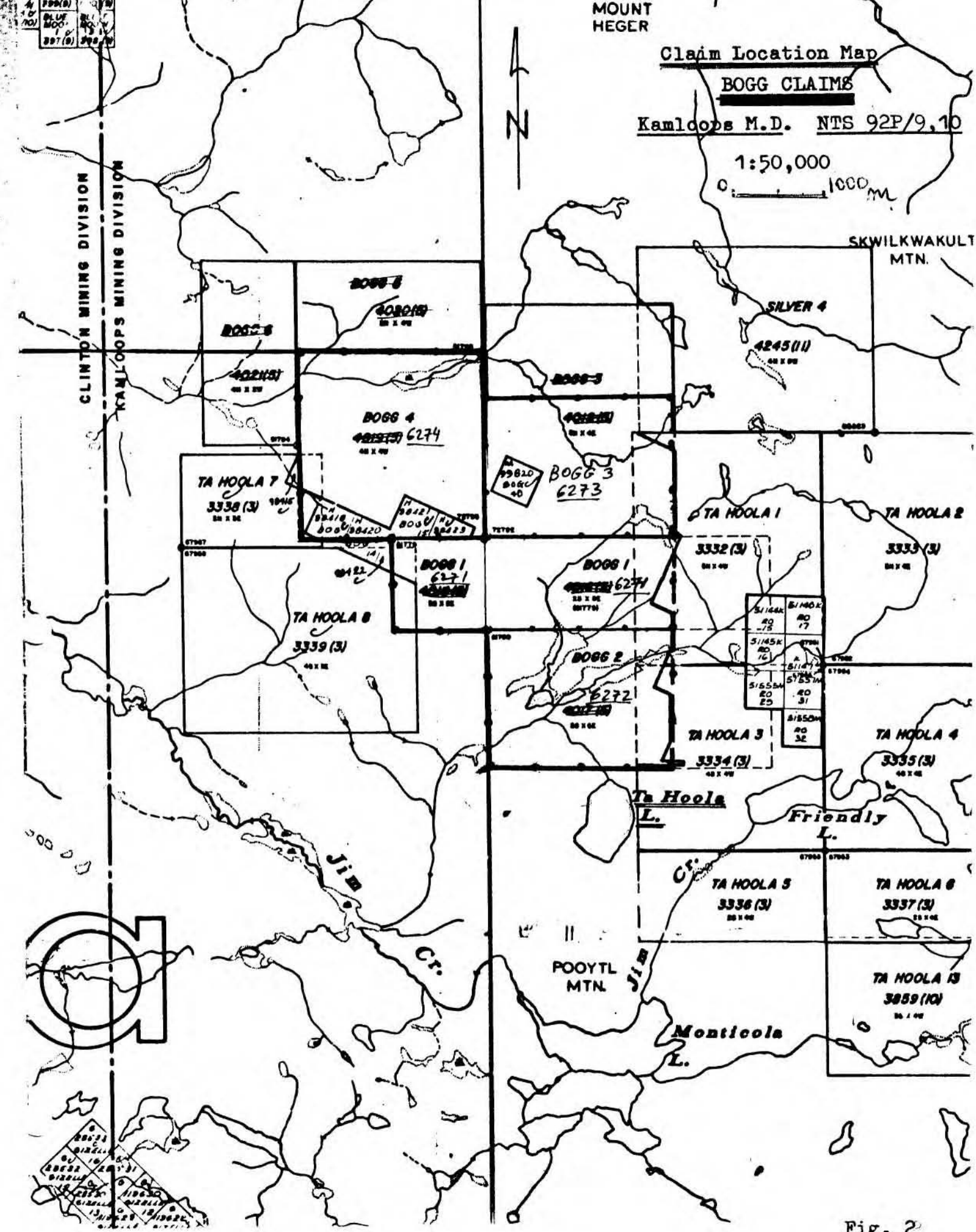

MOUNT HEGER
Claim Location Map
BOGG CLAIMS
Kamloops M.D. NTS 92P/9,10
1:50,000
0 1000 M
N
CLINTON MINING DIVISION
KAMLOOPS MINING DIVISION
SKWILKWAKULT MTN.
SILVER 4
4245(11)
BOGG 4
6274
BOGG 3
6273
BOGG 1
6271
BOGG 2
6272
TA HOOLA 1
3332(3)
TA HOOLA 2
3333(3)
TA HOOLA 3
3334(3)
TA HOOLA 4
3335(3)
TA HOOLA 5
3336(3)
TA HOOLA 6
3337(3)
TA HOOLA 7
3338(3)
TA HOOLA 8
3339(3)
TA HOOLA 13
3859(10)
Ta Hoola L.
Friendly L.
Monticola L.
POOYTL MTN.
Jim Cr.
Jim

Fig. 2

STREAM SEDIMENTS & OUTCROP GEOCHEMICAL ASSESMENT REPORT

On The BOGG MINERAL CLAIMS

Kamloops M. D., South-Central British Columbia

INTRODUCTION & DESCRIPTION

The Bogg Group of Claims, containing a total of 52 units consisting of the Bogg 1,2,3, (12 units each), and Bogg 4 (16 units) claims, is located in the south-central interior British Columbia, 3 km northwesterly from Friendly Lake and 20 km northeast of Bridge Lake, between 1,400 m. and 1,800 m. elevations, as shown on the Index and Claim Location Maps (Fig.s 1 & 2).

The new Bogg claims were staked in June last year over expired claims by the same name which had been staked in the early seventies in search of base metal sulfides in the area. To date, the early work done consisted of geological mapping, geophysical I.P. surveys, and minor test drilling on the property (GEMs 1973,74 - p. 226,227). In order to establish possible gold mineralization association with the previously identified copper sulfides, the writer spent one week last fall attempting to carry out a reconnaissance stream sediment sampling coverage of the claims area, with only partial success due to the early snow cover at higher elevations. A second trip in hope of completing the coverage two weeks later resulted only in few additional samples and the northern half of the claims remained unsampled because of still deeper snow.

Access to the claims is from Bridge Lake 12 km east on Hghwy 24, then 15 km north on a rough logging road.

GENERAL GEOLOGY

The general geology of the claims area, shown on the next page overleaf as Fig. 4, was copied from the 1:63,000 scale geological map accompanying geological notes by V.Preto on the 'Geology of the Area Between Eakin Creek and Windy Mountain' (GEM 1970, p. 307). The geology map indicates the central claims area to be underlain by the Nicola volcanic rocks of upper Triassic age which are intruded on the eastern and western sides by rocks ranging from leucogranite to leucosyenites of somewhat younger age.

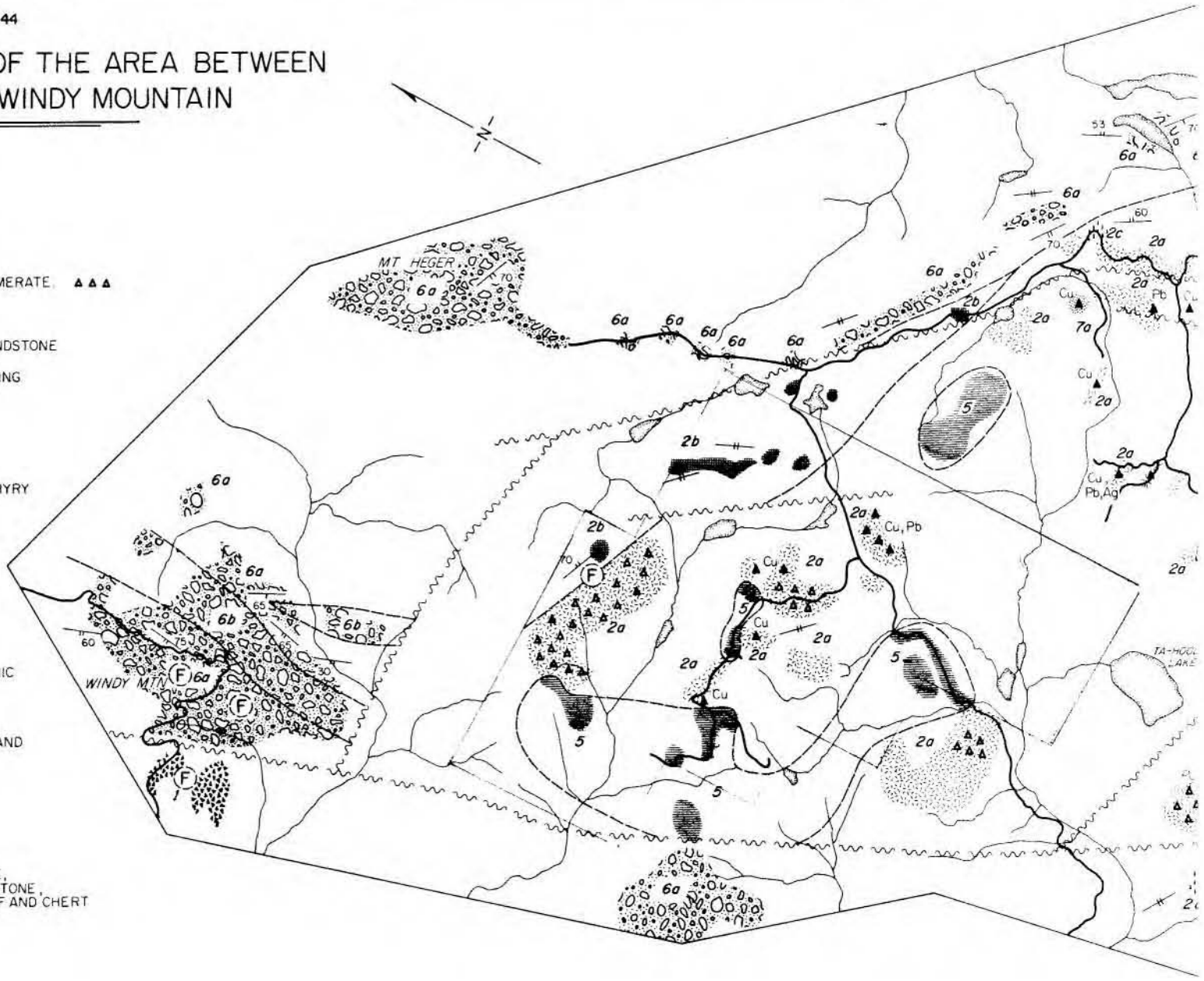
From the GEM '70 p.308-9 notes, '...(in the claims area) ... massive and fragmental Nicola andesites have been extensively epidotized and, closer to the intrusions, are laced by veinlets of orthoclase, hedenbergite, antigorite, calcite and chalcedony. Thin-bedded, light green tuff with some interbeds beds of coarser lapilli tuff and tuff breccia is found ... (in the claims area, but of limited areal extent). A considerable range in composition was observed in the (intrusive rocks), particularly with regard to the quartz content. ... Chalcopyrite, pyrite, galena, and tetrahedrite are found at several localities in altered volcanic and, occasionally, in intrusives.'

Covered throughout by varying thickness of glacial till, and mostly lacking in outcrops except on hilltops, the claims area is one of rolling upland dissected by drainages full of beaver-dammed swamps and small lakes.

Based on the very limited geochemical sampling, a mineralization favorable structure is postulated trending northwesterly from Ta Hoola Lake, as shown on the geochemical map, Fig 3.

Figure 44

GENERALIZED GEOLOGY OF THE AREA BETWEEN EAKIN CREEK AND WINDY MOUNTAIN



LEGEND

SINEMURIAN TO (?) MIDDLE JURASSIC

7a. AUGITE PORPHYRY, BRECCIA AND AGGLOMERATE ▲▲▲
7b. BEDDED ARGILLITE

6a. INTERBEDDED VOLCANIC SILTSTONE, SANDSTONE AND GRIT, MINOR ARGILLITE
6b. AUGITE PORPHYRY AGGLOMERATE GRADING UPWARDS INTO POLYMICTIC COBBLE AND BOULDER CONGLOMERATE

UPPER TRIASSIC OR LOWER JURASSIC

LEUCOGRANITE TO LEUCOSYENITE PORPHYRY

GREY MICRODIORITE

THUYA BATHOLITH - HORNBLENDE - BIOTITE QUARTZ DIORITE AND GRANODIORITE, HORNBLENDE DIORITE

UPPER TRIASSIC

2a MASSIVE ANDESITIC FLOWS AND VOLCANIC BRECCIA ▲▲▲
2b THIN BEDDED ANDESITIC TUFF
2c INTERBEDDED CALCAREOUS ARGILLITE AND SILTSTONE
2d GRAY, THIN BEDDED LIMESTONE

PENNSYLVANIAN AND PERMIAN

CACHE CREEK GROUP VOLCANIC ARENITE, GREENSTONE CHERTY ARGILLITE, LIMESTONE, LIMESTONE BRECCIA, MINOR BEDDED TUFF AND CHERT

SYMBOLS

- BEDDING, TOPS NOT KNOWN
- BEDDING, TOPS KNOWN
- SCHISTOSITY
- INFERRED FAULT
- ▲Cu MINERAL OCCURRENCE
- (F) FOSSIL LOCALITY
- (F) FOSSIL LOCALITY TAKEN FROM GSC MAP 3-1966
- ROAD

GEOCHEMICAL SURVEY

Only the southern half of the claims and their vicinity has been sampled, resulting in a total of 36 stream sediments taken, as well as 27 rock samples of the more interesting outcrops and float rocks encountered. In addition, 18 rock samples, mostly of sulfide-bearing float collected earlier by the owner, G.H. Rayner, in the northern corner of the claims group, were later submitted for analysis as well.

Both rock and sediment samples were analyzed for the multi-trace-elements by ICP, and for mercury, gold, and total barium in the -80 Mesh fraction, while the -80 Mesh fraction of the stream sediments was processed for the heavy minerals and likewise analyzed at the Min-En Laboratory in N. Vancouver. Sample locations and anomalous gold values, as well as all the analytical trace element values, are presented on the 1:9,500 scale topography and geochemical map, Fig 3.

Within the sampled southern portion of the claims, the geochemical survey has revealed strongly anomalous gold values, ranging up to 1,750 ppb Au in the heavy mineral fraction, and as high as 940 ppb Au in the -80 mesh fraction, in the sediments of several streams flowing within the strong structural lineament trending northwesterly from Ta Hoola Lake and several crosscutting structures as well.

The sediment sampling in the northern half of the property must be completed for comprehensive geochemical evaluation.

Rock Geochemistry

Rock samples of the intrusives in the southwestern corner of the claims area and beyond are relatively low in both minor and trace elements compared to the volcanic rocks in the central and eastern portion of the claims. While the basic volcanics outcrops are frequently pyritized and veined with quartz such as samples no. 2351, or may be well silicified such as no. 2358, none contained detectable amounts of arsenic in the -80 mesh fraction, nor above background gold. A very siliceous volcanic, sulfide-bearing, very rusty, chunk of float in the main Jim Creek valley, no. 2363, however contained 80 ppm As, 130 ppb Au, and was enriched in mercury.

As shown on the geochemical sample location map, (fig. 3, in pocket), of the rocks sampled, all the gold-bearing samples come from the intrusives located in the southwestern region of the claims. Quartz veins, particularly with sulfides, as samples no. 2348, 2366, are favorable for the presence of anomalous gold values, but the single most important indicator of gold in the rocks sampled is arsenic. Most of the float rock samples from the northwestern corner of the claim group contain some gold and arsenic, as well as anomalous base metal trace elements, though the three with the gighest gold content, no.s 2306A, N3A, and N7A, are all intrusive.

Identification of arsenic (and supportive antimony) enrichment in outcrops, or eventually in the core, may well be indicative of immediate proximity to gold-bearing mineralization in this area.

Stream Sediment Geochemistry

Only the southern half of the Bogg Claims area has been sediment sampled due to the extensive snow cover at higher elevations at the time of sampling. A specially constructed perforated pan with a sieve was used for the collection of stream sediment samples in order to enhance the uniformity of the material sampled. The resultant reproducible analytical values made possible the identification of samples subtly anomalous in trace elements, such as can be expected near silicification-related gold mineralization. The gold values obtained are indicated graphically, while the trace element

Stream Sediment Geochemistry, cont'd.

anomalies are color coded on the geochemical sample location map (fig. 3, in pocket).

Within the area sampled, by far the strongest gold values, ranging up to 1750 ppb Au in the heavy mineral fraction, and to 940 ppb Au in the -80 mesh fraction, are located within and adjacent to the structural trough trending northwesterly from Ta Hoola Lake along the southwestern edge of the claims. These strong gold values in the larger stream valleys are in part due to glacial placering of gold from the immediate vicinity, as evidenced by their weak trace element associations. Of equal importance are the lesser but persistent gold numbers in the 50 ppb range in several adjacent creeks in the extreme southwest of the claims area an beyond, such as samples no. 67389 and 393, which yield associated multi-trace element anomalies and could lead to identification of mineralized bedrock.

As with the outcrop samples, the silts in the southwestern region of the claims have a relatively low background in trace elements, reflecting the predominantly intrusive terrain, which is also the one associated with the gold anomalies. Thus in addition to the gold values themselves, the geology-related trace element ratios are important, rather than their high analytical values, in determining the gold mineralization potential of this area.

An additional thirty sample sites, as indicated on the geochemical map, are needed to complete the stream sediment sampling coverage in the northern half of the present claims area. This may well lead to even greater gold anomalies along the Ta Hoola structure as the intrusive terrain continues in the northwesterly direction.

CONCLUSIONS

1. Reconnaissance geochemical survey based on rock and sediment sampling in the southern half of the Bogg claims area indicates that the dominant topographic lineament trending northwesterly from Ta Hoola Lake may have associated gold-bearing structures in the claims area.

2. The association of geochemical gold values in both rocks and sediments with the intrusive terrain in the southwestern region of the claims suggests the potential gold mineralization would be located within or nearby the intrusive contacts.

3. In addition to silicification and the presence of base-metal sulfides, arsenic is the most dependable geochemical indicator of gold in bedrock in this area.

APPENDIX I.

STATEMENT OF EXPENDITURES

Bogg Group Claims

Geochemistry -

Salaries, S. Zastavnikovich, Geochemist		
Oct 12-21, 5 field days @ 250/day		1,250.00
2 mobil days @ 150/day		300.00
Nov. 3-7, 2 field days @ 250		500.00
2 mobiliz. days @ 150		300.00
Food, 11 days @ 25/day		275.00
Lodging, 10 days cabin rental @ 25/day		250.00
Field Supplies, bags, topo, flagging, maps,		65.00
Transport, 4x4 Truck, 11 days @ 35/day		385.00
gas &mileage,		549.73
skidoo rental & gas		76.16

Analysis -

45 Rock samples, 36 Stream sediments plus Heavy Mineral prep., all analyzed for multi-trace-elements by ICP, mercury, total barium, geochem. fire gold	3,414.85
Sample delivery	28.00

Report Preparation -

Writing, drafting, filing, 2½ days @ 200/day	500.00
Report typing	70.00
Rep. duplication, Map reproduction	65.00
Recording, reprod., trips, parking	20.00
Total Expenditures,	$ 8,048.74

APPENDIX II

STATEMENT OF QUALIFICATIONS

I.- Sam Zastavnikovich, do hereby certify that:

1. I am a graduate of the University of Alberta with the Degree of B. Ed. in Physical Sciences, 1969.

2. I have been a practicing exploration geochemist with Falconbridge Ltd. of Toronto and Vancouver for thirteen continuous years as:

   1969-1975: Field geochemist, international.
   1975-1979: Project geologist-geochemist, B. C.
   1979-1982: Exploration geochemist, worldwide, where I was engaged in all aspects of geochemical exploration, including research and development of improved sampling techniques, and advanced geochemical interpretation, as well as the writing of final, budget, and assessment reports.

3. I am a voting member of the Association of Exploration Geochemists.

4. I am a consulting geochemist with offices at 5063 - 56th. St., Delta, B. C.

S. Zastavnikovich,
Expl. Geochemist

APPENDIX III.

Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight og 5.0 or 10.0 grams is pretreated with HNO_3 and $HClO_4$ mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°c for 4 hours, then digested in HNO_3 and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method.

APPENDIX IV.

ROCK SAMPLE NOTES - Bogg Claims Oct. '85.

Sample No.	Description
2347	intrusive, quartz veinlets, rusted out sulfides
(2348)	intr., qtz vein, sulfides
(2349)	intr., coarse grained, weathered
(2350)	volcanic, large pyrite crystals
(2351)	volcanic, qtz veinlets, sulfides
2352	volcanic, minor silicification, rusty fractures
(2353)	intrusive, qtz & cherty veinlets
(2354)	# # # #
2355	metaseds, calcite veinlets
2356	conglomerate?, rusty
2357	volcanic, pyrite
2358	volc., silicified, disseminated pyrite
2359	intr. dyke, rusty volcanics
2360	pyroxenite?, breccia, very rusty fractures,
2361	# # # # #
(2362)	intr., very rusty fractures, dissem. pyrite
(2363)	volcanic, highly silicifies, v. rusty, dis. py
(2364)	quartz vein, in sediments
(2365)	intrusive, quartz veinlets
2366	intrusive, # # , rusty, pyrite
2367	intrusive, qtz. veinlets
2368	# # #
2369	# # # , at contact
2370	metaseds, # # , at contact
(2371)	quartz vein, large
(2372)	intr., qtz. porph., veinlets, volc contact
(2373)	siliceous float

( ) denotes float

COMPANY: SAM ZASTAVNICKOVICH — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 2 OF 3

PROJECT NO: BOG — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: S-845MM/P1+2

ATTENTION: SAM ZASTAVNICKOVICH — (604)980-5814 OR (604)988-4524 — * HEAVY MINERALS * — DATE:OCT 30, 1985

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
67387	1200	18	7190	367	14	110	28	290	28	15	106	3
67388	250	9	8900	474	8	170	22	610	2	2	63	1
67389	1260	33	6070	488	7	220	20	260	35	4	41	1
67390	850	18	6090	814	11	180	21	500	28	6	89	4
67391	430	10	6480	451	10	170	16	600	25	6	119	1
67392	710	17	6680	668	10	170	20	680	25	6	98	1
67393	200	4	5720	609	35	60	73	570	46	16	162	4
67394	620	13	7360	536	12	230	27	410	22	5	123	1
67395	920	15	7110	2634	23	150	59	350	27	9	98	1
67396	940	14	7000	3890	21	130	75	360	23	8	73	1
67397	840	13	7410	832	11	180	31	330	20	6	87	1
67398	840	16	7670	943	12	200	30	340	10	5	73	1
67399	1000	19	6920	533	10	200	26	350	20	6	83	1
67400	1220	23	6340	2086	14	180	29	430	30	7	88	3
67401	510	10	6750	713	9	180	12	330	14	4	159	1
67402	490	12	6860	421	7	180	18	390	16	5	108	1
67403	710	13	6780	645	11	250	31	550	26	8	98	1
67404	690	13	7440	706	11	260	30	630	23	8	110	1
67405	340	8	7880	434	7	140	18	790	11	4	112	1
67406	740	9	5420	1204	18	100	33	460	14	7	81	1
67407	910	18	5910	515	12	90	26	600	79	9	74	2
67408	250	7	8330	620	14	150	33	470	16	9	103	2
67409	380	10	9770	796	9	200	20	450	10	4	99	1
67410	200	5	6340	431	5	110	12	330	4	2	57	1
67411	660	13	5410	442	6	230	10	550	15	4	59	1
67412	930	22	5230	400	7	160	15	290	27	4	73	1
67413	750	18	6270	762	12	140	18	430	30	6	87	1
67414	620	18	6480	519	9	160	19	470	18	5	120	1
67415	710	17	5950	774	8	240	19	380	25	5	80	1
67416	530	13	6490	622	8	220	19	440	20	6	83	1
67417	490	10	6880	581	10	190	22	510	18	6	91	1
67418	360	9	6160	661	9	110	22	370	12	5	109	1
67419	540	12	6860	706	10	140	19	550	20	6	104	1
67420	360	7	8160	1206	10	120	28	360	19	5	117	1

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
2347	1950	2	340	133	1	570	10	100	12	1	13	1
2348	800	1	410	47	1	260	16	20	175	1	7	1
2349	2080	2	430	334	1	1010	9	160	16	1	54	1
2350	1260	11	5940	377	6	530	1	1100	96	1	132	1
2351	940	3	1910	164	5	340	6	420	156	2	120	1
2352	2860	42	14810	755	9	530	6	1210	11	4	126	1
2353	1310	1	230	156	1	1150	5	90	10	1	21	1
2354	1970	2	390	49	1	280	6	30	14	1	43	1
2355	2000	3	1210	291	2	910	2	380	10	1	33	1
2356	6670	105	11460	596	4	2320	14	510	27	3	28	1
2357	6050	68	11420	549	4	2260	30	720	44	1	32	1
2358	3330	17	2660	455	5	650	7	1090	10	1	40	1
2359	1420	4	1450	535	3	1250	9	120	25	2	19	1
2360	21710	169	26390	956	22	1190	87	800	89	4	57	1
2361	19730	193	27520	1061	20	520	100	730	46	4	114	1
2362	5480	7	1540	775	5	360	13	900	22	5	71	2
2363	2040	10	20400	1184	10	320	119	1200	38	10	128	1
2364	330	8	6370	448	5	160	15	470	171	1	341	1
2365	1090	1	380	145	2	500	6	140	13	1	18	1
2366	1020	1	430	264	2	390	7	710	20	2	31	1
2367	920	1	250	138	1	550	6	80	13	1	17	1
2368	1080	1	190	203	2	510	6	160	12	1	29	4
2369	880	1	100	118	1	440	5	90	9	1	9	1
2370	2770	31	5390	701	4	780	4	600	16	3	37	1
2371	180	1	590	82	2	140	7	20	12	1	5	1

COMPANY: SAM ZASTAVNICKOVICH
PROJECT NO: BOG
ATTENTION: SAM ZASTAVNICKOVICH

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 5-845HM/P1+2
DATE:OCT 30, 1985

(VALUES IN PPM)	U	V	ZN	GA	GE	SE	SN	W	* HEAVY MINERALS * HG-PPB	AU-PPB	BA-TOT	MMI
67387	1	263.2	57	4	14	7	3	25	35	15	320	2.73
67388	1	91.3	52	1	4	3	4	3	15	10	200	2.14
67389	1	79.9	58	2	6	5	3	4	25	425	200	5.89
67390	1	131.2	45	3	8	5	3	8	25	10	740	5.60
67391	1	117.3	35	1	7	4	3	9	20	5	370	5.84
67392	1	134.9	51	1	7	4	4	8	35	5	380	3.27
67393	1	113.0	227	1	12	4	1	7	50	30	320	3.88
67394	1	108.0	64	1	6	5	2	4	15	45	300	2.28
67395	1	133.4	55	3	10	5	2	8	40	5	290	4.63
67396	1	133.8	58	3	9	5	3	8	35	10	410	6.08
67397	1	128.0	41	1	7	4	3	7	40	5	290	2.76
67398	1	108.9	38	2	6	3	3	6	35	10	320	3.73
67399	1	144.9	39	2	7	4	2	7	30	10	350	6.44
67400	1	137.3	49	3	9	5	3	8	45	5	320	3.27
67401	1	126.0	38	1	5	2	2	6	40	15	220	5.53
67402	1	109.9	32	2	6	4	3	7	10	370	250	4.94
67403	1	118.4	75	1	8	6	2	6	30	50	500	2.47
67404	1	134.3	69	1	8	4	1	7	5	35	490	3.50
67405	1	108.4	45	1	5	2	2	20	35	10	200	6.98
67406	1	117.9	39	3	8	5	2	9	55	15	300	6.27
67407	1	152.9	66	2	10	5	2	8	35	5	320	3.78
67408	1	102.9	83	1	9	3	4	7	25	15	240	2.96
67409	1	126.1	52	1	6	3	4	6	35	10	300	2.02
67410	1	83.2	35	1	3	2	2	1	10	5	300	3.89
67411	1	109.3	45	1	5	4	3	5	15	10	240	2.69
67412	1	109.9	47	3	6	5	3	5	25	5	330	6.13
67413	1	119.9	56	2	7	5	2	8	35	5	300	6.51
67414	1	127.9	48	3	6	4	3	7	30	10	250	4.41
67415	1	114.9	43	3	6	4	3	6	15	15	200	2.88
67416	1	127.8	41	2	7	4	2	8	35	475	500	5.07
67417	1	116.1	57	2	6	3	1	6	40	25	420	2.97
67418	1	128.8	35	2	5	2	1	9	25	175	340	8.32
67419	1	136.9	46	3	6	2	2	9	55	300	350	3.52
67420	1	108.0	42	1	5	2	1	10	25	25	400	6.55

(VALUES IN PPM)	U	V	ZN	GA	GE	SE	SN	W	HG-PPB	AU-PPB	BA-TOT
2347	1	4.8	10	1	1	4	4	3	25	3	430
2348	1	1.6	69	1	1	4	4	3	30	84	120
2349	1	19.4	28	1	1	3	3	2	15	1	910
2350	1	76.8	30	1	1	1	1	1	20	3	1600
2351	1	46.7	13	1	1	1	1	1	5	2	650
2352	1	102.4	56	1	1	1	1	4	10	3	1140
2353	1	22.4	18	1	1	3	2	2	15	1	500
2354	1	11.9	9	1	1	4	3	2	20	56	120
2355	1	21.7	21	1	1	1	1	1	20	4	410
2356	1	70.0	75	7	6	1	3	3	20	3	600
2357	1	53.5	74	1	2	1	1	1	25	5	700
2358	1	31.5	39	1	1	1	1	1	25	2	1000
2359	1	41.9	65	3	2	3	5	2	20	2	500
2360	1	90.8	145	3	4	1	1	5	40	5	790
2361	1	100.0	104	1	3	1	1	7	260	1	740
2362	2	23.1	46	3	6	2	6	5	25	5	800
2363	1	85.5	226	16	12	1	7	13	105	129	600
2364	13	29.5	48	5	1	1	1	2	10	6	700
2365	1	5.5	11	1	1	4	3	3	15	3	600
2366	1	4.5	31	1	2	4	4	2	15	114	400
2367	1	9.4	10	1	1	4	3	2	10	4	510
2368	1	10.8	18	2	1	4	3	4	15	17	400
2369	1	9.2	14	1	1	4	2	2	15	3	230
2370	1	74.6	43	3	4	1	2	4	15	5	800
2371	1	7.1	6	2	1	4	3	1	25	1	10

COMPANY: SAM ZASTAVNIKOVICH — MIN-EN LABS ICP REPORT — (ACT:WEB27) PAGE 2 OF 3

PROJECT NO: 808 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 5-845/P1+2

ATTENTION: SAM ZASTAVNIKOVICH — (604)980-5814 OR (604)988-4524 — * TYPE -BOH GEOCHEM * — DATE:OCT 30, 198

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
67387	5390	66	13560	490	9	160	31	510	10	5	29	1
67388	640	36	11160	1003	10	90	39	750	15	4	29	1
67389	3510	59	11440	1063	12	150	37	740	107	6	39	1
67390	1950	41	8310	861	8	100	24	670	31	5	35	1
67391	800	24	7760	363	5	90	14	460	16	3	50	1
67392	1270	29	7250	487	7	80	17	480	24	3	27	1
67393	1030	29	9660	858	11	90	37	690	37	6	50	1
67394	1040	27	8870	539	8	100	27	630	28	5	48	1
67395	1760	39	9940	3140	24	90	69	590	33	8	68	1
67396	1750	37	10860	5885	29	80	98	750	40	9	54	1
67397	1740	36	9960	1792	13	90	35	520	21	6	37	1
67398	1340	37	8900	1849	23	100	43	500	23	5	40	1
67399	1360	37	9050	560	9	100	28	520	21	4	35	1
67400	2370	49	9590	2516	16	120	38	650	43	6	43	1
67401	1050	22	9330	760	9	80	16	680	17	4	36	1
67402	1090	29	10230	515	7	110	22	800	27	4	42	1
67403	1410	28	8140	684	7	110	25	630	33	5	48	1
67404	1230	25	7750	675	7	90	23	580	33	4	48	1
67405	600	20	8980	507	7	90	22	770	16	4	42	1
67406	1280	29	9710	3277	27	80	58	720	16	6	36	1
67407	2830	50	10670	599	9	100	25	570	81	6	32	1
67408	670	28	9790	934	8	70	27	510	16	5	35	1
67409	1010	27	9120	995	8	120	22	700	15	5	50	1
67410	760	21	9650	687	5	100	18	580	7	4	44	1
67411	1310	27	7570	514	7	100	15	710	26	3	29	1
67412	2260	52	8700	407	8	110	19	450	47	3	35	1
67413	1580	40	8520	1009	17	80	21	630	51	6	37	1
67414	2340	54	9560	472	11	130	18	800	23	3	46	1
67415	1580	41	9260	1593	12	120	36	620	52	7	58	1
67416	910	24	6480	546	6	80	17	510	27	4	41	1
67417	680	16	7000	512	7	60	20	580	31	4	53	1
67418	770	27	9840	990	11	70	55	770	31	6	58	1
67419	870	19	7500	542	8	50	20	570	29	5	40	1
67420	1020	25	9530	2795	17	90	55	790	43	8	74	1

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
67387	.9	15170	1	12	49	2.6	19	4170	.4	19	157	57240
67388	.5	15500	1	12	93	2.2	11	4120	1.4	14	32	40460
67389	1.1	17580	1	14	121	3.3	19	7250	2.3	23	164	51970
67390	1.0	12190	1	11	121	2.6	16	7390	1.1	14	63	49340
67391	.4	11520	1	8	66	1.7	13	4830	1.1	13	48	36180
67392	.5	10910	1	9	71	1.7	13	4900	1.1	12	49	34870
67393	1.0	15870	6	13	82	2.6	15	5650	1.6	23	95	50000
67394	.9	13600	1	11	90	2.2	15	6140	1.0	15	60	45070
67395	1.4	13430	1	13	139	4.1	18	6460	2.0	21	82	60860
67396	2.0	14760	9	13	240	4.3	20	8450	2.5	27	106	67430
67397	1.2	13740	1	12	145	2.4	18	6750	1.0	17	73	54930
67398	1.4	16230	1	13	214	2.4	15	6530	1.4	28	95	50660
67399	1.1	15380	1	14	110	2.1	16	7230	.5	14	67	49010
67400	1.6	14770	1	12	200	3.0	18	8790	1.7	18	84	58550
67401	.9	12930	1	10	73	1.8	15	6610	.8	14	47	46380
67402	1.0	15100	1	12	63	2.1	16	8000	.4	13	45	46380
67403	1.1	12680	2	11	125	2.3	16	8370	1.4	16	75	45390
67404	1.0	12420	1	11	132	2.1	15	7870	.8	15	67	42760
67405	1.0	12820	1	11	58	1.8	16	6650	.6	13	36	46710
67406	1.5	13310	1	11	228	2.7	18	6810	.5	28	51	59210
67407	1.2	14660	1	12	91	2.7	18	6060	1.0	21	90	50990
67408	1.1	17180	1	15	82	2.2	15	5360	.9	14	44	48680
67409	1.3	17310	1	15	118	2.1	15	9430	.8	16	58	49340
67410	1.2	19700	1	19	82	1.8	18	9200	.1	16	42	53290
67411	.9	11850	1	10	111	1.5	12	8580	1.4	9	43	36180
67412	1.2	13910	1	11	93	1.7	16	9500	.8	12	63	45720
67413	1.2	14120	1	13	133	2.5	15	8730	1.5	14	61	49670
67414	1.1	16210	1	12	136	1.9	15	8220	.8	12	47	43750
67415	1.8	19510	4	16	187	2.9	18	10750	1.5	18	102	54280
67416	.7	10550	1	9	132	1.9	12	7120	1.5	10	46	36180
67417	1.0	11360	1	7	113	1.8	11	8150	1.0	12	48	34780
67418	1.2	15210	1	10	104	2.8	17	7770	1.1	24	53	46070
67419	1.1	12080	1	8	90	2.1	15	7470	.4	13	41	37600
67420	1.9	17540	6	13	206	3.3	20	9490	1.3	23	80	52720

COMPANY: SAM ZASTAVNIKOVICH — MIN-EN LABS ICP REPORT — (ACT:[illegible]) PAGE

PROJECT NO: DOG — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 5-84[illegible]

ATTENTION: SAM ZASTAVNIKOVICH — (604)980-5814 OR (604)988-4524 — * TYPE -GOH GEOCHEM * — DATE:OCT 30

(VALUES IN PPM)	U	V	ZN	BA	GE	SE	SN	W	HG-PPB	AU-PPB	BA-TOT
67387	1	98.5	93	1	4	1	1	6	45	9	620
67388	1	59.2	89	3	6	1	1	5	45	6	1000
67389	1	87.1	132	2	6	1	2	6	65	17	820
67390	1	85.5	73	1	6	1	2	3	35	940	1000
67391	1	60.8	39	1	3	1	1	3	35	16	1040
67392	1	59.3	57	1	4	1	1	3	40	27	1000
67393	1	73.6	88	2	6	1	1	5	30	32	1100
67394	1	71.4	70	1	5	1	1	5	50	26	990
67395	1	74.4	73	4	9	1	3	7	55	17	1010
67396	1	83.4	96	8	11	1	2	8	65	12	1000
67397	1	83.8	61	1	6	1	1	4	50	32	1060
67398	1	79.4	71	1	6	1	1	3	90	11	1070
67399	1	82.6	61	1	4	1	1	1	65	23	1000
67400	1	89.1	88	2	7	1	1	6	45	7	1040
67401	1	76.3	47	1	3	1	1	2	45	5	1100
67402	1	79.0	54	1	4	1	1	4	35	260	1000
67403	1	73.2	69	1	5	1	1	5	55	9	980
67404	1	69.6	65	1	5	1	3	5	50	20	1050
67405	1	76.5	59	1	4	1	1	5	40	8	1100
67406	1	79.5	80	2	7	1	1	5	50	5	1400
67407	1	88.6	88	1	6	1	1	5	55	23	900
67408	1	82.9	115	1	5	1	1	3	55	6	1200
67409	1	73.1	71	1	4	1	1	3	65	4	1110
67410	1	80.2	68	1	3	1	1	3	60	3	1090
67411	1	58.2	80	1	3	1	1	4	45	10	900
67412	1	81.7	86	1	3	1	1	4	50	5	920
67413	1	82.0	95	1	6	1	1	6	50	12	950
67414	1	68.0	82	1	4	1	1	4	65	1	1090
67415	1	88.6	103	2	6	1	1	6	70	13	980
67416	1	61.3	54	1	4	1	1	3	35	367	950
67417	1	65.3	63	1	3	1	1	2	60	129	740
67418	1	82.6	77	1	4	1	2	5	80	12	840
67419	1	76.1	60	1	3	1	1	5	60	14	820
67420	1	87.3	90	3	5	3	4	4	55	9	1100

COMPANY: SAM ZASTAVNIKOVICH
PROJECT NO: BOG
ATTENTION: SAM ZASTAVNIKOVIC

(PPM)	2372	2373
AG	7.9	16.7
AL	11930	13150
AS	175	29
B	15	1
BA	134	278
BE	14.9	20.0
BI	59	100
CA	14880	81760
CD	2.4	1.1
CO	148	49
CU	685	216
FE	275920	406300
K	650	1150
LI	12	8
MG	15080	7640
MN	376	1710
MO	62	44
NA	60	580
NI	328	19
P	1420	13390
PB	146	59
SB	61	472
SR	257	266
TH	1	1
U	1	1
V	102.7	3651.9
ZN	266	146
GA	16	10
GE	6	5
SE	1	1
SN	39	11
W	15	78
HG-PPB	NES	NES
AU-PPB	50	5
BA-TOT	NES	NES
HMX	0.76	0.01

COMPANY: SAM ZASTAVNIKOVICH
PROJECT NO: BOS
ATTENTION: SAM ZASTAVNIKOVICH

(PPM)	2372	2373
AG	9.6	1.2
AL	11670	2260
AS	1	3
B	11	3
BA	41	224
BE	2.8	.9
BI	11	4
CA	35690	1490
CD	.7	.1
CO	9	1
CU	57	17
FE	41200	6940
K	1310	1320
LI	18	1
MG	18750	660
MN	562	64
MO	20	2
NA	240	440
NI	40	6
P	670	120
PB	32	8
SB	6	3
SR	351	101
TH	1	2
U	22	6
V	91.6	50.0
ZN	64	15
GA	14	1
GE	10	2
SE	1	1
SN	2	3
W	10	1
HG-PPB	230	125
AU-PPB	1	2
BA-TOT	800	690

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524 * TYPE ROCK

COMPANY: SAM ZASTAVNIKOVICH
PROJECT NO: BOG
ATTENTION: SAM ZASTAVNIKOVICH

(PPM)	67421	67422
AG	.8	.9
AL	7540	9230
AS	13	25
B	7	9
BA	43	64
BE	1.7	2.3
BI	9	9
CA	3010	3560
CD	.5	1.7
CO	10	11
CU	25	42
FE	26390	25000
K	1010	630
LI	16	16
MG	6000	6540
MN	284	443
MO	4	7
NA	40	40
NI	14	24
P	440	550
PB	30	34
SB	4	5
SR	16	33
TH	1	1
U	1	1
V	44.6	38.2
ZN	36	55
GA	2	5
GE	5	8
SE	1	1
SN	1	4
W	1	6
HG-PPB	55	65
AU-PPB	3	1
BA-TOT	840	1040

COMPANY: SAM ZASTAVNIKOVICH
PROJECT NO: BOG
ATTENTION: SAM ZASTAVNIKOVICH

(PPM)	67421	67422
AG	2.6	2.3
AL	20080	22050
AS	20	25
B	35	25
BA	190	53
BE	1.3	1.2
BI	21	21
CA	32390	29340
CD	1.0	1.3
CO	15	15
CU	58	49
FE	76570	74970
K	1480	1130
LI	19	11
MG	5270	6230
MN	554	505
MO	7	7
NA	440	580
NI	6	7
P	640	320
PB	40	48
SB	3	1
SR	111	140
TH	1	1
U	1	1
V	132.4	115.2
ZN	41	47
GA	1	1
GE	9	5
SE	1	1
SN	6	8
W	1	1
HG-PPB	55	45
AU-PPB	1750	160
BA-TOT	400	900
HMX	6.64	5.54

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
BT 4A	4000	41	6830	621	3	540	9	610	295	1	55	1
2-30-6 F1+.A	1470	9	13960	821	1	650	6	840	25	1	79	3
2-2-7 A	1800	2	5750	443	74	350	13	740	389	3	40	2
TR@1100'	1530	5	31230	1136	1	40	44	670	81	4	59	8
806-AA ROCK 1A	1260	17	27470	379	6	200	12	1220	10	1	19	1
806-AA ROCK 2A	1930	10	25560	1121	4	240	45	1270	13	2	119	1
806-AA ROCK 3A	880	30	27210	753	9	330	60	1000	7	1	38	4
806 N. ROCK 1A	130	1	910	170	39	20	15	330	22	1	59	1
806 N. ROCK 2A	100	1	390	122	38	10	15	280	16	1	54	1
806 N. ROCK 3A	260	2	1380	473	148	40	19	120	160	55	100	1
806 N. ROCK 4A	70	1	1030	213	50	20	20	690	29	1	112	2
806 N. ROCK 5A	150	3	370	140	49	50	35	350	31	3	243	1
806 N. ROCK 6A	70	2	310	107	38	10	20	770	20	1	190	1
806 N. ROCK 7A	940	4	5860	631	207	10	35	210	264	34	208	4
806 N. ROCK 8A	120	2	340	116	31	10	23	440	20	1	182	1
806 N. ROCK 9A	660	2	480	303	31	20	42	270	32	4	178	1
806 N. ROCK 10A	250	3	390	332	74	40	32	850	94	70	129	2
806 N. ROCK 11A	390	3	2360	317	51	20	34	580	78	11	139	3

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
BT 4A	1.2	4130	28	5	526	1.9	5	16020	1.8	7	135	23870
2-30-6 F1+.A	.8	2910	8	6	103	3.0	5	25140	2.1	8	429	37620
2-2-7 A	1.8	3120	2	7	523	2.3	12	13540	2.5	9	755	29170
TR@1100'	.3	2130	107	2	318	3.1	1	55790	1.6	19	197	42530
806-AA ROCK 1A	.8	18670	1	15	247	3.8	4	3170	1.0	11	21	86740
806-AA ROCK 2A	.1	10460	1	26	148	5.5	3	30400	.9	42	187	76130
806-AA ROCK 3A	.3	30080	1	23	173	3.6	3	13610	2.8	17	78	56880
806 N. ROCK 1A	3.6	890	20	12	436	1.4	2	2710	.2	3	12	6970
806 N. ROCK 2A	1.2	460	14	6	632	1.1	1	2510	.2	3	8	6970
806 N. ROCK 3A	5.7	1450	35	21	1453	2.1	17	2920	1.0	9	151	13850
806 N. ROCK 4A	1.7	460	30	9	669	1.7	1	3770	.1	3	10	8550
806 N. ROCK 5A	2.2	690	50	4	1814	.9	3	1520	.1	4	17	11890
806 N. ROCK 6A	2.4	250	38	2	1985	.8	1	4720	.1	3	8	6970
806 N. ROCK 7A	9.8	1970	44	13	1446	2.3	26	10560	.6	14	99	23670
806 N. ROCK 8A	1.6	340	59	1	2009	.8	1	3200	.1	3	11	10710
806 N. ROCK 9A	1.7	1420	47	5	1075	1.7	3	1450	.1	8	32	19550
806 N. ROCK 10A	6.1	1030	63	18	988	1.5	8	3310	.1	8	176	15030
806 N. ROCK 11A	6.0	850	44	12	1936	2.0	5	6300	.1	7	42	16990

(VALUES IN PPM)	U	V	ZN	GA	GE	SE	SN	W	AU-PPB
BT 4A	1	43.2	46	1	1	3	1	1	42
2-30-6 F1+.A	1	80.3	86	1	1	4	1	2	191
2-2-7 A	1	31.4	58	1	2	5	1	1	36
TR@1100'	1	74.9	70	1	1	5	1	2	39
806-AA ROCK 1A	1	310.8	51	1	1	4	1	1	53
806-AA ROCK 2A	1	123.8	110	1	1	9	1	1	9
806-AA ROCK 3A	1	157.1	108	1	1	7	1	1	23
806 N. ROCK 1A	1	9.0	17	2	1	2	1	3	29
806 N. ROCK 2A	1	7.4	15	2	1	1	1	4	16
806 N. ROCK 3A	1	15.7	42	3	2	2	2	4	119
806 N. ROCK 4A	1	9.5	18	2	1	2	2	5	32
806 N. ROCK 5A	1	5.8	15	2	1	2	2	10	36
806 N. ROCK 6A	1	4.4	11	2	1	2	1	5	22
806 N. ROCK 7A	1	28.4	48	4	3	4	2	7	315
806 N. ROCK 8A	1	4.4	13	2	1	2	1	6	24
806 N. ROCK 9A	1	18.5	26	3	2	3	2	9	28
806 N. ROCK 10A	1	20.1	41	4	1	2	1	8	50
806 N. ROCK 11A	1	16.0	30	4	3	3	2	8	58

Heavy Minerals

MAP REF. NO.: N.T.S. NO. 92P/9E10

1a Hooka Lake

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,948

LEGEND

Geochemistry

- ⌀532 — STREAM SED. SAMPLE NO.
- X2317 — ROCK SAMPLE NO.
- (X) — FLOAT
- + — Proposed Sed Sample Site

ANOMALIES:

Gold, ppb. ROCKS X 25 — X 100 — 400 — 1000 — 2000
SEDS ◔ ◑ ● ●

Ag As Ba Cu Cd Mo Ni Pb Sb Zn W Hg

-80 Mesh

SCALE: 1 CM TO 95 M.

0 250 500 750 1000 M. 2 KM.

COMPANY . .
PROPERTY . . BOGG CLAIMS
LOCATION . . KAMLOOPS M.D.

WORKING PLACE . . SILTS (H.M. -80M.)
TYPE OF MAP . . GEOCHEMICAL,
BASED ON . . Sampling by S. Zastavnikovich

DATE . . Dec., 1985
DRAWN BY . . S.Z.
DATE OF WORK . . Oct., '85.

Seds. (H.M., -80M.)

Fig 3a

MAP REF. NO.: N.T.S. NO. 92P/9&10

Ta Hoola Lake.

LEGEND

Geochemistry

532 — STREAM SED. SAMPLE NO.

X2317 — ROCK SAMPLE NO.

(X) — FLOAT

Proposed Sed Sample Site

ANOMALIES:

Gold, ppb. ROCKS X 25 — X 100 — 400 — 1000 — 2000

SEDS ◔ ◕ ● ●

Ag As Ba Cu Cd Mo Ni Pb Sb Zn W Hg

SCALE: 1 CM TO 95 M.

0 250 500 750 1000 M. 2KM.

COMPANY . .

PROPERTY . . BOGG CLAIMS

LOCATION . . KAMLOOPS M.D.

WORKING PLACE . .

TYPE OF MAP . . GEOCHEMICAL, ROCKS

BASED ON . . Sampling by S. Zastavnikovich

DATE . . Dec., 1985

DRAWN BY . . S.Z.

DATE OF WORK . . Oct., '85.

Rocks

Fig 36