Name

007372

Marmon Exploration Ltd.

Project Title

Trim Magnetite-Copper Claims

Location

The block of claims described in this brief is located on ~~Victoria~~ VANCOUVER Island in the Kumlin Lake--Donner Lake valley, with co-ordinates of

The valley is situated approximately three miles east of the town of Gold River and immediately south of the west branch of # 19 Highway.

Topography

The area can only be described as mountainous. The immediate area of the claims being practically void of overburden and soil etc. What natural regolith the area had in the way of trees has been removed by lumber operations and slash burning.

General Description

The valley is serviced by a good gravel road built and maintained by local lumber companies. These same companies also established a series of switch-back gravelled roads on the slopes of the valley. These roads have allowed the slopes to be prospected with relative ease and should facilitate eventual mining operations.

The mountain top and the valley slope in the area of the claims are well drained by some twenty-five rivulets. (These streams facilitated the geochemical study that eventually led to the discovery of the minerals now under claim right.)

The rock formation of the area is typical of the island; the mountain ranges being made up of mixed acidic and basic batholiths and stocks. Valley bottoms are generally narrow, ranging from a few hundred yards up to three quarters of a mile. Elevations from valley bottom to range peaks being in the order of 2500 to 5000 feet.

The rock types in the area of the claims exhibit extreme variance as the formations range from basic to acidic types; there are sedimentary and metamorphosed formations along with platonic and volcanic source deposits. It was this set of conditions that made the area conducive to mineral deposition and resulted in this area being prospected.

The claims are in an "L" shaped valley running two andone-half miles due south of the west branch of highway # 19 then easterly for two and one-half miles to the west end of Donner Lake. The valley bottom has a river drainage system, the Ucona River connecting Donner Lake on the east end to Kumlin Lake, situated approximately mid-way in the valley and thence northward where it drains into the Heber River.

Field Exploration Work

A preliminary field trip in 1973 revealed malachite and azurite staining on some of the lower regions of the valley slope that were in direct line with some of the slope rivulets. Steps were taken to map the valley slope and to plot on it, all the water drainage systems. After completion of the map, soil samples were taken along the entire valley floor and at the base of each rivulet. These samples were analyzed by the cold extraction Total Heavy Metal (THM) test using dithiocarbayone as the metal detector.

Several THM index tests revealed anomalous conditions and these results prompted further geochemical studies part of which entailed the sampling of the rivulet waters at various levels on the valley slopes.

Over a period of 84 days, some 53 water samples, 179 soil samples and 12 rock chip samples were taken. The geochemical studies on the water sheds indicated the metals detected on the valley bottom had originated at higher levels. A study was made of the geology of the upper levels.

During the exploration of the upper levels, three seperate deposits of copper bearing ore were located. Trench samples from these deposits

gave assays with an average high of 3.81% copper and an average low of 0.30%.

A water shed directly above a copper showing on the east end of the valley indicated a copper deposit at a higher level. While working up the water shed, a large sill of magnetite was located. The exposed face of the sill had an approximate depth of 18 to 20 feet and could be traced along the side of the mountain for some 1000 feet, its extreme ends disappearing into brecciated cover. The magnetite is of a very high grade. Chip samples were taken over the length and depth of the sill and a composite of these samples gave an assay of 59.61% in iron sesquioxide. Using the rule of thumb principle where the horizontal penetration is taken as one third the length (eg. 1/3 of 1000') and ore gravity of 5.1, this exposed portion of the sill alone indicated a deposit of some two million tons.

Many large pieces of magnetite ore were found as float in the trough of the water shed above the exposed sill indicating another magnetite sill at a higher elevation. Water samples taken above the first sill indicated a high grade deposit of copper at higher elevations and pieces of float were found along the water shed carrying malachite, azurite and chalcopytire.

Observations

1. From the field exploration there are at least four anomalous areas in the region of the claims.
2. The plotting of the water analyses indicated there are metallic ore bodies in the higher elevations of the claims.
3. The exposed magnetite sill runs along the valley slope in an east-west direction.
4. The vein carrying the copper appears to cross the magnetite sill on the line of strike N 20° W.

Conclusions

1. There are high grade copper deposits below and above the exposed magnetite sill.
2. The depth of the exposed sill (18') and its length, combined with the evidence of a second sill at a higher elevation appear as evidence of a large magnetite stock in the inner regions of the mountain wall.
3. The exposed magnetite sill can be mined with relative ease as there is scant overburden; the magnetite is homogenous; it can be benched and taken to road level by gravity in a nature made scram, loaded into transports and hauled eleven miles on a hard surfaced highway to dock and tanker facilities.
4. The high copper assays and the large tonnage of magnetite in evidence indicate the claims have a very high potential value.

SOIL ANALYSES FOR COPPER CONTENT (ppm)

S1 Sample:

Location: 100 feet north of the Ucona River on the west side of the road that crosses the river and sub-branches into roads 251, 252, etc. in claim 23.

Copper content (4 tests of 170; 195; 190; 175;) Average of results 183 ppm

S2 Sample:

Location: Approximately 500 feet north of road 140 whereit turns north-west into claim 6.

Copper content (4 tests of 6; 7; 10; 9;) Average of results 8 ppm

S3 Sample:

Location: Taken from the west side of dead water pond situated on the north side of Ucona road and E of NE corner of D 32 on map.

Copper content (4 tests of 120; 100; 108; 108;) Average of results 109 ppm

S4 Sample:

Location: Three quarters to one mile west of soil sample S1. Taken on the south side of the road adjacent to the Ucona River at the approximate centre of claim D 32.

Copper content (4 tests of 41; 51; 46; 42;) Average of results 45 ppm

WATER ANALYSES FOR COPPER CONTENT (ppb)

W7 Water sample taken from fast running water on the south side of road 140 where it turns north-west into claim 6.

Copper content (2 tests of 335 and 345 ppb) Average result 340 ppb

W8 Water sample taken from fast running water sampled approximately 250 yards north-west of 3-drill hole site.

Copper content (2 tests of 330 and 355 ppb) Average results 343 ppb

W 16 Water sample taken from stagnant ppol situated east of main branch of road 140.

Copper content (2 tests of 235 and 250 ppb) Average result 243 ppb

W 19 Water sample taken from stagnant pool situated below "cut" or water fall run and on the road nearest the river. This water was approximately 30 feet above the Ucona River level.

Copper content (2 tests of 235 and 250 ppb) Average result 243 ppb

ROCK ANALYSES

R5 Heavy dense magnetic rock (magnetite) sampled from the falls ledge. This rock was tested for nickel and chromium and titanium. Positive results so ran 3 assays for each:

	Nickel	Chromium	Titanium
	.006%	.05%	4.3%
	.004%	.02%	4.1%
	.005%	.03%	4.2%
Average	.005%	.03%	4.2%

R6 Sample taken at 3 drill-hole site. Copper content 3.18%

R7 Sample of wall rock (junk rock) adjacent to 3 drill-hole site. Copper 0.39%

R9 Sample taken 150 feet south of 3 drill-hole site Copper 0.33%

R12 A representative (mixed) sample of all the large heavily mineralized rock samples taken from the colored falls ledge and also the 3 drill-hole site. After crushing and blending, the sample assayed for gold, zinc, and copper as follows:

	Gold	Zinc	Copper
	0.03 oz/ton	0.05%	4.60%
	0.03	0.05%	4.28%
	0.02	0.04%	4.36%
Average	0.03 oz/ton	0.05%	4.41%

R149 Sample taken where logging machines were yarding--North side of valley. North and a little west of Kunlin Lake. Actually this sample was made up of three different mineral zone types.. One sample being high in white quartz and carrying a large quantity of arsenopyrites; the second zone or section being heavily impregnated with chalcopyrite, pyrite and pyrrhotite; the third zone or section being heavily impregnated much like the second but carrying a little chalcocite and some basic silicates. Spot tests for gold, silver and copper were positive and were assayed for same:

	Gold	Silver	Copper
	0.04 oz/ton	o.15 oz/ton	0.50%
	0.04	o.27	0.39½
	0.03	0.19	0.44%
Average	0.03 oz/ton	0.20 oz/ton	0.44%

The area from which R149 was taken should be checked again as it is a contact zone and shows three types of ore and in the above assays, the three types were blended. If the quartz-arsenopyrite material had been assayed separately and the copper zone assayed separately, the values above could be doubled or tripled.

GEOCHEMICAL VALUES ON SOIL SAMPLES 0 to 139

Note: Rating 2 = 120 ppm
" 4 = 130 ppm
" 8 = 180 ppm
" 14 = 250 ppm

No.	Rating	No.	Rating	No.	Rating	No.	Rating	No.	Rating
0	4	29	8	58	2	87	4	116	8
1	8	30	8	59	4	88	4	117	14
2	2	31	2	60	2	89	2	118	4
3	4	32	2	61	2	90	4	119	2
4	8	33	2	62	4	91	4	120	2
5	8	34	2	63	2	92	4	121	2
6	4	35	2	64	2	93	4	122	2
7	8	36	14	65	8	94	2	123	2
8	8	37	8	66	2	95	2	124	2
9	8	38	14	67	2	96	8	125	2
10	4	39	4	68	4	97	2	126	2
11	8	40	4	69	4	98	2	127	4
12	4	41	2	70	4	99	4	128	2
13	2	42	8	71	2	100	2	129	2
14	2	43	2	72	2	101	4	130	4
15	4	44	4	73	2	102	4	131	4
16	2	45	4	74	2	103	4	132	4
17	4	46	2	75	2	104	4	133	2
18	4	47	2	76	2	105	4	134	2
19	8	48	2	77	2	106	2	135	2
20	4	49	2	78	2	107	2	136	6
21	4	50	4	79	8	108	2	137	14
22	4	51	2	80	2	109	2	138	4
23	8	52	2	81	2	110	4	139	14
24	12	53	2	82	2	111	4		
25	8	54	2	83	4	112	4		
26	4	55	2	84	4	113	8		
27	4	56	4	85	4	114	4		
28	4	57	2	86	4	115	14		

To: MR. M.J. TRIM,
7433-20th Ave. S.E.,
Calgary, Alta.

File No. 10689
Date November 7, 1975
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu	% Fe
Core Sample	.59	40.14

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Crescent,
Calgary 45, Alta.

File No. 6560
Date June 22, 1973
Samples Water

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Cu
SAMPLE # 1	38
# 2	30
# 3	35
# 4	40
# 5	38
# 6	31
# 7	39
# 8	34
# 9	44
# 10	39
# 11	37
# 12	42
# 13	43
#14	48
# 15	47
# 17	45
# 18	56
# 20	56
# 24	56
# 25	64
# 26	55
# 27	47
# 30	50
# 32	50
E	46
W	45
G	20

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. McIsaac

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Crescent,
Calgary 45, Alta.

File No. 6621
Date June 29, 1973
Samples Water & Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu	ppb Cu
SKARN SAMPLE	1.08	--
WATER # 16	----	43

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. McIsaac

Licensed Assayer of British Columbia

To: MR. WM. MORRISON
5976 Bow Cres.,
Calgary, Alta.

File No. 6437
Date May 10, 1973
Samples Chips

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	% Cu	% Zn
L.HURTUBISE SAMPLES			
CHIP # 12	.02	4.32	.04

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: MR. WM. MORRISON,
5976 Bow Cres.,
Calgary, Alta.

File No. 6437
Date May 10,1973
Samples Chips

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Ni	% Cr
L. HURTUBISE SAMPLES		
CHIP # 5	.005	.03

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Crescent,
CALGARY, Alta.

File No. 6626
Date July 3, 1973
Samples Geo-chem

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM Cu
Blends of soil samples rated as Colorimetric 2 Colorimetric 4 Colorimetric 14	
# 2	120
# 4	128
# 14	254
	From the above data, Colorimetric 8 = approx. 175 < 180 ppm

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. McLaren

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Cres.,
Calgary 45, Alta.

File No. 6560
Date June 22, 1973
Samples Water

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Cu
SAMPLE # 1	8
2	6
3	7
4	8
5	8
6	6
7	8
8	7
9	9
10	8
11	7
12	8
13	9
14	10
15	9
17	9
18	11
20	11
24	11
25	13
26	11
27	9
30	10
32	10
E	9
W	9
G	4

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. McEwen

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Crescent,
Calgary 45, Alta.

File No. 6706
Date July 18, 1973
Samples Water

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Cu
W-A	18
W-B	6
W-C	6
W-D	2
W-E	4
W-F	6
W-H	4
W-J	4
W-K	6
W-L	6
W-M	6
W-N	4
W-O	6
W-P	4
W-R	7
W-S	7
W-T	10
W-V	4
W-W	6
W-Y	6
WX-1	8
WX-2 good falls	3
WX-3	8
WX-4	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Crescent,
CALGARY 24, Alta.

File No. 6621
Date June 29, 1973
Samples Water & Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu	PPB Cu
SCARN SAMPLE	1.08	-
Water #16	----	4

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. McLeod

Licensed Assayer of British Columbia

To: MR. WM. MORRISON
5976 Bow Cres.,
Calgary, Alta.

File No. 6437
Date May 10,1973
Samples Chip

Certificate of ASSAY

LORING LABORATORIES LTD.

-3-

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
L.HURTUBISE SAMPLES			
CHIP # 149	.04	.20	.41

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison,
5976 Bow Cres.,
Calgary, Alta.

File No. 6432
Date May 10, 1973
Samples Water, Soil, Chips

Certificate of ASSAY
LORING LABORATORIES LTD.

SAMPLE No.	PPM Cu
L. HURTUBISE SAMPLES	
SOIL # 1	186
SOIL # 2	8
SOIL # 3	110
SOIL # 4	46

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

C L McIsaac
Licensed Assayer of British Columbia

To: Mr. Wm. Morrisson
5976 Bow Cres.,
CALGARY, Alta.

File No. 6432
Date May 10, 1973
Samples Water, soil, chips

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Cu
L. HURTUBISE SAMPLES	
WATER # 7	340
WATER # 8	400
WATER # 16	240
WATER # 19	240

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. J. McIsaac

Licensed Assayer of British Columbia

To: Mr. Wm. Morrison
5976 Bow Cres.,
CALGARY, Alta.

File No. 6432
Date May 10, 1973
Samples Soil, Water, Chips

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu	% Zn
L. HURTUBISE SAMPLES		
CHIP # 6	3.29	.03
CHIP # 7	.09	---
CHIP # 8	.37	---
CHIP # 9	.33	---

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. E. McGrae

Licensed Assayer of British Columbia

To: Mr. L. Hurtubise,
320 Monument Place S.E.,
Calgary, Alta.

File No. 7161
Date October 23, 1973
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	Cu %
HD - #1	
0 - 20'	.02
20 - 30'	.29
30 - 40'	.04
40 - 45'	.01
45 - 50'	.01
50 - 55'	.01
55 - 60'	.01
60 - 65'	.02
65 - 70'	.01
70 - 75'	.01
75 - 80'	.02
80 - 85'	.01
85 - 90'	.01
90 - 95'	.01
95 - 101'	.01

Spectros on 3001, 3002, 3003
& 3004 to Follow.

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. Limousin

Licensed Assayer of British Columbia

To: Mr. L. Hurtubise,
320 Monument Place S.E.,
Calgary, Alta.

File No. 7161
Date October 23, 1973
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	Cu %
HD - #1	
0 - 20'	.02
20 - 30'	.29
30 - 40'	.04
40 - 45'	.01
45 - 50'	.01
50 - 55'	.01
55 - 60'	.01
60 - 65'	.02
65 - 70'	.01
70 - 75'	.01
75 - 80'	.02
80 - 85'	.01
85 - 90'	.01
90 - 95'	.01
95 - 101'	.01

Spectros on 3001, 3002, 3003
& 3004 to Follow.

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. Limoges

Licensed Assayer of British Columbia

To: Mr. L. Hurtubise,
320 Monument Place S.E.,
Calgary, Alta.

File No. 7172
Date October 25, 1973
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
DH-2	
0-11'	.06
11-17'	.07
17-25'	.05
25-33'	.05
33-40'	.48
40-45.4'	.09
45.4-52'	.02
52-60'	.01
60-66'	.01
66-72'	.005
72-79'	.02
79-88'	.03
88-98'	.01
98-111.9'	.01
DH-3	
0-10'	.07
10-20'	.04
20-30'	.05
30-40.6'	.12
40.6-45.6'	.39
45.6-50.2'	.05
50.2-55.2'	.01
55.2-60'	.49
60-65'	.20
65-70'	.10
70-75.2'	.04

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

E. K. Mac Isaac

Licensed Assayer of British Columbia

June 29 '76

White Ridge - Ucona R.

A granitic stock or large dyke trends NW thru the S face of White Ridge, flanked by vole. rock of Karmutsen aspect. The stock is variable in grain size, colour, & mild compos., & the phases may be in sharp ct. Especially noted were a f/g dk phase apparently lacking qz, & a c/g phase bearing abundant pink F, tho still dgs common ferromags. However the predominant type is prob. m-c/g, light-coloured, & low in ferromags. Hb (or alt.) predoms over Bio. In places the intrus. rock ctns emf accessory mg to be detectable with a pencil magnet. Along both sides of the stock ~~the contacts~~ are contact zones of dykes & intrus. ?; some dykes nr Bowser Falls are pegmatitic. Dykes & intrus. ? are also present at zone internal contacts in the stock, indcg multiple intrus.

Sporadic altn in both rock-units consists of epidotization, sil'n, & incipient dev't of garnet. Epidote occurs as widespread veinlets, patches, & less commonly as pervasive altn. Sil'n is localized & appears to be controlled by joints or shear zones. Garnet is uncommon, being weakly dev'd in conjunction with sil'n. Typical skarn is rare.

Pyrite is sparsely widespread, & locally is fairly thickly diss. in & nr sil. rock & shear zones, where it is accomp. by minor cpy. One of the better occurrences is on the lower part of Branch 145, near Babbcock's camp. S.3.

Mag had been rept'd to occur with Is on the upper part of the S face of White Ridge, but only 1 piece of Is float was seen on the roads W of the E end of Br. 145. The lower part of Br. 258 was however strewn with Is cobbles. Sporadic pbs & cobbles of mag were f nr the end of this rd, & then more generally down it, along the unnumbered branch, & back along Ucona Rd. Most of the frags, vole., Is, & mag, are more or less rdd, but unoxidized, whereas the mtl in the rd cuts consists of granitic & vole cobbles & bldrs in a matrix of oxidized fine mtl. It was ∴ deduced that the mtl carrying Is & mag was trucked-in surfacing, but taken fr a gvl pit rather than a quarry. A road was seen leading fr Ucona Road to the gvl-laden distributaries of the ck on the S side, but it was guessed that the gvls were prob. trucked across the brj for the N side. There are a couple of gvl pits off Ucona Rd just W of the last ck of the brj over Bowser Falls, & an old rd leading down to the lower course of this ck. Pbs & cobbles of Is & mag were f. in both pits, & mag pebbles were strewn by the lower course of the ck. It is just poss. that mag might be profitably recovered by passing the abundant recon'g gvl over a magnetic drum. The ck was then foll'd up to Br. 140; the float ctnd, but the only O/Cs along it & E-ward along 140 are andesite. The source appears to be further upslope. The upper loop of 140 was not foll'd, for lack of time, but fr a distance the road along it does not appear to be Is. The next ck to the W across 140 cascades down dark rock, of which dk dio was f. on the W side. This dio may be a satellitic dyke, with the main stock ctn further W. The Is mag may cross 140 under ovb, but there is no evidence of this.

Baffinland inded 3 drill holes below 140 E of last ck, but only 1 poss. site was f, ca 200' E of the ck.

1976
June

23 Alt. rdg -40' at Ranger Sta, which is abt 250' elev., so abt 290' low.
" " 940' on Br. 140 opp. Br. 157. Lv. vehicle here acct washouts.
Wk up Br. 145: by 2d ck there is a mixture of intrus. phases (pink sug. granite) in andes., with some incip. skarn ctg abundant diss py & a little cpy. A little grey min'l. Corres. more or less with 53. Alt. rdg 1610'.
+x-1 of upper Ucona fr Br. 146. Essentially all granitic rex along this Br.
+x-2 of part of Gold R. Fr bend of Br. 145
+x-3 of Kuulin Lk
+x-4 of valley W of Donner Lk, fr high pt. on rd where alt. rdg. 2260'.
Sp. 38 fr lunch site, & sp. 39 of pink J fr nearby.
Note 1: dykes of d, qd, & F porph. in andes, all more or less skarned.
Back in Chalet Annex, alt. rdg. 100' at 7.30 PM, & took K-748 from window.
It is 3.5 mi fr Chalet to entry to Ucona Road at Saunders Ck.

24 Alt. rdg. 140' in Annex room at 8.20 AM.
+x-6 of distributary
+x-7-10 of upper falls on Ucona R.
Note 2: andes with numerous small granitic dykes, some pegmatitic.
C.P.: initial post Donner 21 & 22.
At end of Br. 258 take +x-11 & 12 of Donner Lk, 13 of SE end White Rj.
Alt. rdg 1770' here at 11 AM. 2 mag. pks. abt 200' down rd.
Find sporadic mag & ls for abt 1st 500', then common ls to jc, then sporadic mag & ls up Br. rd. Common ls in rd surf to Ucona Rd.
+x-14 of bldr. of intrus. D.
Since mag & ls. were only in rd surf. & not in cuts
At 2.15 alt. rdg 1,300' where last ck crosses Ucona Rd. Climb up ck.
" 2.40 " " 1,675' " " " " Br. 140.
note 3: dk grey dio with lyt dykes on W side of ck. much ls. float around.
Alt. rdg 150' in room at 6.30 PM.

25 Alt. rdg. 145' in Rm 219 in Annex at 8.35 AM
" " -210' on dock at Muchalat Arm 9.00 AM
" " 160' in Rm. 219 at 9.30 AM.
∴ elev. of Rm. is abt. 360'.

N

Soils & Waters

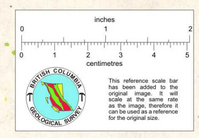
High Metal Content

Low Metal Content

SCALE: 1" = 660'
8" = 1 Mile

Gravel Roads

Mountain Streams



To Heber River

Ucona Road

KUNLIN LAKE

UCONA RIVER

DONNER LAKE

FALLS