

2436

CONTENTS

	<u>PAGE</u>
INTRODUCTION -----	I
PROPERTY:	
Location and access -----	I
Claims comprised -----	2
History -----	2
GEOGRAPHY -----	2
GEOLOGY -----	3 - 4
MINERAL POTENTIAL -----	5
CONCLUSIONS -----	5
RECOMMENDATIONS -----	5 - 6
REFERENCES -----	6

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APPENDIX: I Evidence of expenditures
 II Statement of Qualifications

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ILLUSTRATIONS: Geological reconnaissance of Vanhall Claims - folder #1

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2436 MAP.....

GEOLOGICAL
PRELIMINARY EXAMINATION
OF VANHALL CLAIMS
ALBERNI MINING DIVISION
VANCOUVER ISLAND, B.C.
(125° 49° N.W.)

For
MORESBY MINES LIMITED

by

David Arscott, P.Eng.
October 25 to 27, 1969.

David Arscott

(1)

INTRODUCTION

A preliminary examination and reconnaissance mapping of the Vanhall claims were carried out by the writer in October 1969, and the results are here described.

PROPERTY

Location and Access:

The claims lie three miles due south of Gold Lake, and eight miles north of the town of Gold River, in the centre of Vancouver Island, B.C.

Access is via a logging road from the Gold River - Campbell River highway to a point four miles from the property, thence by foot trail.

A helicopter, available in Campbell River, can land either at the mouth of Della Creek, or on a patch of swamp at the south end of the property.

Claims Comprised:

<u>Name</u>	<u>Tag Number</u>	<u>Record Number</u>
Vanhall #1 <i>Van Hall</i>	608340	II252
Vanhall #2	608341	II253
Vanhall #3	608342	II254
Vanhall #4	608343	II255
Vanhall #5	608344	II256
Vanhall #6	608345	II257

The owners are Edward Vanstone and William Hall, both of Campbell River, B.C.

History:

Except for prospecting, there is no record of any previous geological work.

GEOGRAPHY

Altitude: 2600 feet (at pass)

Relief: 700 feet (within claims)

Precipitation: about 70 inches annually

Vegetation: Large diameter, mature, Balsam, Yellowcedar, and Fir, with light underbrush, and deadfalls.

Terrain: Steep at the edges of property. The creeks are steep sided and may be difficult to cross at times of high water.

Overburden: Consistent and continuous except for creek cuts. depth probably does not exceed 50 feet anywhere.

GEOLOGY

The outcrops seen consists largely of volcanics of the Bonanza Group (*Triassic*) with dykes and pods of granodiorite. No major contacts were crossed, but regional mapping (Comox Lake Area, G.S.C. map 2-1965) indicates a large granodiorite stock a mile to the southeast of the claim block.

The volcanics vary from andesite, with amygdaloidal and fragmental varieties, to basalt. The diorites contain 10 to 25% hornblende, and up to 10% pink feldspar. Lamprophyre dykes are present, of approximately andesitic composition.

Alteration consists of silicification, with locally developed epidote, and calcite.

With the limited outcrop very little structure could be delineated. The main features noted were the extensive fragmentation of the volcanics, without preferred directions, and a series of North-west trending steeply dipping faults. Three similar trending major lineaments are observable on the airphotographs.

Mineralization consists of consistent and almost continuous pyritization, in amounts of from 1% to 10% over an area 3500 feet long by 1000 feet wide. Associated with this are erratic Copper assays with occasional silver values. The useful metal values are roughly proportional to the pyrite content, and are often associated with magnetite.

GEOLOGY CON'T

The following table illustrates this. (all samples except #I034 may be considered crudely representative).

*03/ton = ton 03 per 1000 lbs
See copies of assay reports in Appendix
REV*

<u>Sample #</u>	<u>% Cu</u>	<u>% Ag</u>	<u>Description</u>
I034	1.72	0.95	60% pyrrhotite, chalcopyrite magnetite and pyrite
I035	0.69	trace	70% pyrite, with some magnetite.
I040	0.55	0.78	50% pyrite, 50% magnetite in an 18" vein.
I033	0.50	trace	50% pyrite, 5% magnetite.
I039	0.15	trace	2% disseminated pyrite, chalcopyrite.
I031	0.08	trace	10% coarse, light colored pyrite.
I032	0.07	trace	1% pyrite with minor magnetite and epidote in N.W. fault.
I021 to I030 and I038	trace to 0.04	trace	1% to 15% pyrite. Magnetite in #I024 only.

Some previous samples showed considerably higher assays. these were carefully picked samples.

MINERAL POTENTIAL

The large area of mineralization, and the widespread alteration and fracturing give a very favourable ore environment.

The following points are noted:

1. The pyrite is of deep seated origin, not syngenetic. This, and the size of the pyritized area suggest deep reaching structures, which may serve as ore carriers.

2. The copper deposits of Vancouver Island are often related to, but not necessarily directly coincident with pyrite deposits.

3. Copper staining, rare in the area examined, is reported to occur a half mile west of the main creek, and occasional copper mineralized float has been picked up on the west slope.

CONCLUSIONS

The main pyrite showing provides scattered copper and silver values. The areas applicable to these values are not known, but are probably small. However, the widespread alteration and evidence of favourable structures, make the property well worth further attention.

RECOMMENDATIONS

Stage I

1. Preparation of a four mile rough road to the property.
2. Basic mapping and prospecting wherever possible.
3. A silt survey of Vanstone Creek, sampling every 200 feet. (no silts were seen in the tributary streams.)

RECOMMENDATIONS CON'T

Stage II

1. Soil sampling on lines 400 to 600 feet apart, with samples every 100 feet. An attempt should be made to reach "B" horizon material if possible.
2. Detail "fill in" where indicated by the soil values, and by any useful information from stage I.
3. A magnetometer survey of the same grid to utilize the known magnetite-copper association. (very common in this region)

Stage III

- I. Diamond drilling and or trenching.

REFERENCES

Airphotos: B.C. 5043-79,80.

Gunning H., Buttle Lake map area, G.S.C.
summary report 1930, Pt. A.

APPENDIX IEVIDENCE OF EXPENDITURESWages:

D. Arscott - \$ 50.00 per day

Mapping	3 days	
Travel	2 "	
Office	3 "	
	<u>8 days</u>	@ \$ 50.00
		\$ 400.00

Expenses:

D. Arscott (camp supplies)	\$ 12.60	
R.E. Dale (groceries)	41.27	
(camp supplies)	<u>69.29</u>	123.16

Travel:

Okanagan Helicopters Limited (invoices # 10-279, 10-362)	450.00
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Assaying:

T.S.L. Laboratories (invoice # 7459)	\$ 221.00	
Coast Eldridge Ltd. (invoice # 44202)	<u>162.90</u>	<u>383.90</u>

\$ 1,357.06

APPENDIX II

STATEMENT OF QUALIFICATIONS

1. I, David Philip Arscott, of business address, 17 - 558 Howe Street, Vancouver, B. C., am a Professional Engineer, registered in the Province of British Columbia.
2. I personally examined and mapped The Vanhall claims as described in this report.
3. I have three years experience in various phases of mineral exploration, mostly in the Province of British Columbia.
4. The expenses here listed are, to the best of my knowledge, true.

David Arscott

David P. Arscott, M.Sc. P. Eng.

T
S
L

Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM MORESBY MINES LTD.

REPORT NO.
V-7024

SAMPLE(S) OF ROCK

Sample No.	Gold (Au) oz:ton	Silver (Ag) oz:ton	Copper (Cu) %	Molybdenum (Mo) %
1021	trace	trace	0.02	----
1022	trace	trace	trace	----
1023	trace	trace	trace	----
1024	trace	trace	trace	----
1025	trace	trace	0.04	----
1026	trace	trace	0.03	trace
1027	trace	trace	0.01	0.01
1028	trace	trace	0.01	trace
1029	trace	trace	0.01	trace
1030	trace	trace	0.01	trace
1031	0.01	trace	0.08	trace
1032	0.01	trace	0.07	trace
1033	trace	trace	0.50	trace
1034	trace	0.95	1.72	trace
1035	trace	trace	0.69	trace
1036	trace	trace	0.22	----
1037	trace	trace	0.13	----
1038	trace	trace	trace	----

oz:ton - Troy ounces per 2,000 lbs.

DATE November 3, 1969.

SIGNED *R.B. Fletcher*

T
S
L

Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM MORESBY MINES LTD.

REPORT NO.
V-7031

SAMPLE(S) OF ROCK

Sample No.	Gold (Au) oz:ton	Silver (Ag) oz:ton	Copper (Cu) %	Molybdenum (Mo) %
1039	trace	trace	0.15	----
1040	trace	0.78	0.55	0.02

oz:ton - Troy ounces per 2,000 lbs.

DATE November 3, 1969.

SIGNED *R B Fletcher*



PHONE: (604) 876-4111
 TELEX: 04-50353
 CABLE ADDRESS:
 ELDRICO

Morseby Mines Ltd.,
 1327 - 510 West Hastings Street
 Vancouver, B.C.

Certificate of Assay

WARNOCK HERSEY INTERNATIONAL LIMITED
 COAST ELDRIDGE PROFESSIONAL SERVICES DIVISION
 125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. 460-A-9033

DATE October 21, 1969

We Hereby Certify that the following are the results of assays made by us upon submitted ORE samples

MARKED	GOLD		SILVER	Copper (Cu) PER CENT.	Nickel (Ni) PER CENT.	Molybdenite (MoS ₂) PER CENT.	PER CENT.	PER CENT.	PER CENT.
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON						
68157	0.02	\$ 0.70	0.3	0.60		0.01			
68158	0.46	16.10	0.1	0.20		0.22			← 200' Below Hall Creek
68159	0.04	1.40	0.2	0.25		0.02			← SOUTH SIDE HALL CREEK
68160	0.02	0.70	0.1	0.37		0.02			
68161	Trace	-	0.1	0.05		0.01			← GRANITE NORTH SIDE VANSTONE Cr.
68162	0.02	0.70	0.2	0.98		0.02			
68163	Trace	-	Trace	0.05		0.01			
68164	0.01	0.35	0.1	0.06		0.01			
68165	0.01	0.35	0.1	0.03		0.01			
68166	0.01	0.35	0.2	0.05		0.01			
68167	0.01	0.35	0.7	8.52	0.02				imp. Claims NOT INCLUDED IN VANHALL

Note. Rejects retained one week.
 Pulps retained one month.
 Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gain inherent in the fire assay process.

Gold calculated at \$ _____ per ounce

H. Skerfve

Provincial Assayer