

Location/Identification

MINFILE Number:	092B 140		
Name(s):	<u>QUARRY</u> WEST 2, CROFT 2, PHOENIX		
Status:	Showing	Mining Division:	Victoria
Regions:	British Columbia, Vancouver Island	Electoral District:	Cowichan-Ladysmith
BCGS Map:	092B082	Forest District:	South Island Forest District
NTS Map:	092B13E	UTM Zone:	10 (NAD 83)
Latitude:	48 51 39 N	Northing:	5412203
Longitude:	123 40 17 W	Easting:	450756
Elevation:	200 metres		
Location Accuracy:	Within 500M		
Comments:	Located about 400 metres north of the northwest end of Crofton Lake, on Mount Richards (Assessment Report 11433, Compilation Map).		

Mineral Occurrence

Commodities:	Copper, Zinc		
Minerals	Significant:	Pyrite, Chalcopyrite, Bornite	
	Associated:	Quartz	
	Alteration:	Malachite	
	Alteration Type:	Oxidation	
	Mineralization Age:	Unknown	
Deposit	Character:	Disseminated, Vein	
	Classification:	Epigenetic, Hydrothermal	
	Type:	L04: Porphyry Cu +/- Mo +/- Au	

Host Rock

Dominant Host Rock:	Metasedimentary		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Devonian	Sicker	McLaughlin Ridge	-----
Upper Triassic	-----	-----	Unnamed/Unknown Informal
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Meta Sediment/Sedimentary, Schist, Gabbro		
Comments:	Mineralization is in metasediments near a gabbro intrusive that is coeval with Karmutsen Formation (Vancouver Group).		

Geological Setting

Tectonic Belt:	Insular	Physiographic Area:	Georgia Depression
Terrane:	Wrangell		

Inventory

Ore Zone: DRILLHOLE
Category: Assay/analysis

Year: 1985
Report On: N
NI 43-101: N

Sample Type: Drill Core

Commodity	Grade
Copper	0.13 per cent
Zinc	0.01 per cent

Comments: drilling intersected small , 25 to 60 centimetre, zones of semi-massive magnetite with trace pyrrhotite. The best of these assayed 0.13 per cent copper and 0.01 per cent zinc over 0.80 metres.

Reference: Assessment Report 13853

Capsule Geology

The Quarry and Phoenix occurrences are located on the eastern slope of the ridge north west of Crofton Lake, and overlooking Crofton

The area is underlain by pyritic silicified metasediments of the Upper Devonian McLaughlin Ridge Formation (Sicker Group) and a gabbro intrusive (informally called the Mount Hall Gabbro) that is coeval with the Upper Triassic Karmutsen Formation, Vancouver Group, (Massey, N.W.D., Personal Communication, 1991).

Two small quarries are reported to exist about 400 metres north of Crofton Lake. Some of the more heavily pyritized rocks in the area contain chalcopyrite along with malachite and bornite. In the lower quarry, where gabbro is in contact with the metasediments, extensive pyritization occurs in silicified sediments 20 metres north of the contact, along with minor amounts of copper minerals. The pyrite occurs as disseminations and as masses in fractures. At the contact is an altered chloritic schist with quartz veining confined mainly to bedding. Chalcopyrite and minor amounts of pyrite are found in the quartz. In 1985, drilling intersected small , 25 to 60 centimetre, zones of semi-massive magnetite with trace pyrrhotite. The best of these assayed 0.13 per cent copper and 0.01 per cent zinc over 0.80 metres (Assessment Report 13853).

At the Phoenix showing a pit, 6 metres wide and 1.5 metres deep, exposes a 1-metre wide quartz vein trending west through sheared gabbro. The vein is virtually barren except for an occasional speck of malachite (Notes by Wright, 1969).

In 1969, Canpac Minerals explored the area as the Sirius claims. A program of geological mapping and a ground magnetic survey was completed. In 1978, the area was staked as the Croft 2 claim and a program of geological mapping and soil sampling was completed. In 1983, the area was staked as the West claims by R.J. Bilquist and a program of prospecting was completed. In 1984 and 1985, Falconbridge optioned the property and completed programs of geochemical sampling, a airborne geophysical survey and two diamond drill holes, totalling 327.7 metres. In 1987, Falconbridge completed a drilling program of 10 holes, totalling 3170.7 metres, in the vicinity of Breen Lake on the West 1 claim.

Bibliography

EMPR ASS RPT 2397, 7233, *11433, *13532, 13853, 17007
EMPR FIELDWORK 1982, p. 46; 1987, pp. 81-91
EMPR MAP 40
EMPR OF 1988-8
GSC MAP 42A; 1386A; 1553A
GSC MEM 13; 36; 96
GSC OF 463
GSC P 72-44; 75-1A, p. 23; 79-30
PERS COMM Massey, N.W.D., 1991
Falconbridge File

Date Coded: 1990/09/18

Coded By: Garry J. Payie(GJP)

Field Check: N

Date Revised: 2013/06/21

Revised By: Karl A. Flower(KAF)

Field Check: N