

Location/Identification

MINFILE Number: 092B 039

Name(s): YREKA
SIRIUS, PF

Status: Showing

Regions: British Columbia, Vancouver Island

BCGS Map: 092B082

NTS Map: 092B13E

Latitude: 48 50 34 N

Longitude: 123 39 27 W

Elevation: 160 metres

Location Accuracy: Within 500M

Comments: On the southeastern slope of Mount Richards, about 1 kilometre south from the eastern end of Crofton Lake (Assessment Report 2397, Map 2).

Mining Division: Victoria

Electoral District: Cowichan-Ladysmith

Forest District: South Island Forest District

UTM Zone: 10 (NAD 83)

Northing: 5410187

Easting: 451758

Mineral Occurrence

Commodities: Copper, Gold, Silver

Minerals **Significant:** Chalcopyrite

Mineralization Age: Unknown

Deposit **Character:** Shear

Classification: Hydrothermal, Epigenetic

Host Rock

Dominant Host Rock: Volcanic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Devonian	Sicker	McLaughlin Ridge	-----
Upper Devonian	-----	-----	Saltspring Intrusive Suite

Isotopic Age	Dating Method	Material Dated
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Lithology: Volcanic Rock, Schist, Quartz Feldspar Porphyry

Geological Setting

Tectonic Belt: Insular **Physiographic Area:** Georgia Depression

Terrane: Wrangell

Inventory

No inventory data

Capsule Geology

The Yreka showing is located on the eastern flank of Mount Richards, approximately 2.3 kilometres south- south west of Crofton.

The area is underlain by volcanics of the Upper Devonian McLaughlin Ridge Formation, Sicker Group, reported to be altered to schists in the area. Intruding the country rocks is quartz feldspar porphyry of the Late Devonian Saltspring Intrusive Suite (formerly the Saltspring Intrusions). Gold and silver values are also reported.

Locally, a shear zone hosts copper mineralization.

Two shafts, one 64 metres deep and the other 43 metres, were sunk on the property in the early 1900's. In 1970, the area was explored as the Sirius claims by Canpac Minerals. In 1986 and 1987, the area was explored as the PF claims. Programs of geological mapping, prospecting, geochemical sampling and three diamond drill holes, totalling 1083.0 metres, were completed at this time.

Bibliography

EMPR AR *1901-1118; *1917-269

EMPR ASS RPT *2397, 16029, 16319

EMPR FIELDWORK 1982, p. 46; 1987, pp. 81-91

EMPR GEM 1969-224; 1970-292; 1971-224

EMPR MAP 40

EMPR OF 1988-8

EMPR PF ((Electromagnetic Profile, Canadian Pacific Minerals Ltd., 1971; Apparent Chargeability Contour Plan, Canadian Pacific Minerals Limited, 1971; *Mount Richards Geochemical Survey (shows adit), Canadian Pacific Oil and Gas, 1969; Induced Polarization and Electromagnetic Survey, Canadian Pacific Minerals, 1971) - see Ironclad file - 092B 049; *Notes by J.Y. Wright, 1969)

GSC MAP 42A; 1386A; 1553A

GSC MEM 13; 36; 96

GSC OF 463

GSC P 72-44; 75-1A, p. 23; 79-30

Falconbridge File

Date Coded: 1985/07/24

Coded By: BC Geological Survey (BCGS)

Field Check: N

Date Revised: 2013/06/21

Revised By: Karl A. Flower(KAF)

Field Check: N