

Location/Identification

MINFILE Number: 092B 169
Name(s): PF-87
 OSBORNE BAY, PF, PF III, SIRIUS
Status: Showing **Mining Division:** Victoria
Regions: British Columbia
BCGS Map: 092B082
NTS Map: 092B13E **UTM Zone:** 10 (NAD 83)
Latitude: 48 50 25 N **Northing:** 5409904
Longitude: 123 38 59 W **Easting:** 452326
Elevation:
Location Accuracy: Within 100M
Comments: Assessment Report 16319

Mineral Occurrence

Commodities: Copper, Gold
Minerals **Significant:** Pyrite, Chalcopyrite
Alteration: Chlorite, Calcite
Deposit **Character:** Disseminated
Classification: Unknown

Host Rock

Dominant Host Rock: Volcanic

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

Isotopic Age	Dating Method	Material Dated
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Lithology: Andesitic Flow, Lapilli Tuff, Quartz Feldspar Porphyry, Altered Schist

Geological Setting

Tectonic Belt: Insular
Terrane: Wrangell

Inventory

Ore Zone: DRILLHOLE **Year:** 1987

Category: Assay/analysis

Report On: N

NI 43-101: N

Sample Type: Drill Core

Commodity	Grade
Gold	0.78 grams per tonne
Copper	0.1 per cent

Comments: The best mineralized intersections from ten isolated samples which contained greater than 1000 parts per million copper over intervals of about 1 metre and one weakly anomalous gold sample.

Reference: Assessment Report 16319

Capsule Geology

The PF-87 occurrence is located on the eastern flank of Mount Richards, approximately 2.5 kilometres south 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).

Locally, mafic to andesitic flows and crystal to lapilli tuffs with chlorite-calcite alteration host disseminated pyrite and chalcopyrite mineralization.

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. The best mineralized intersections were from ten isolated samples, which contained greater than 1000 parts per million copper over intervals of about 1 metre and one weakly anomalous gold sample. Seven samples from PF87-2 contained between 1243 and 3718 parts per million copper. Three samples from PF87-3 contained between 1160 and 2311 parts per million copper and one contained 780 parts per billion gold near the top of the hole (Assessment Report 16319).

Bibliography

EMPR ASS RPT 16029, *16319

Date Coded: 2013/06/21

Coded By: Karl A. Flower(KAF)

Field Check: N

Date Revised: 2013/06/27

Revised By: Karl A. Flower(KAF)

Field Check: