Location/Identification

MINFILE Number: 092B 173
Name(s): **JANE 2**
BREEN LAKE

Status: Showing
Regions:
BCGS Map: 092B082
NTS Map: 092B13E
Latitude: 48 51 36 N
Longitude: 123 40 57 W
Elevation: 197 metres
Location Accuracy: Within 100M
Comments: Assessment Report 31677

Mining Division: Victoria
Electoral District: Nanaimo-North Cowichan
Resource District: South Island Natural Resource District

UTM Zone: 10 (NAD 83)
Northing: 5412117
Easting: 449941

Mineral Occurrence

Commodities: Copper, Silver

Minerals
Significant: Pyrite, Chalcopyrite
Associated: Quartz
Alteration: Chlorite
Alteration Type: Silicific'n

Deposit
Character: Massive, Stockwork
Classification: Unknown

Host Rock

Dominant Host Rock: Volcanic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Cretaceous	Sicker	McLaughlin Ridge	------

Isotopic Age	Dating Method	Material Dated
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Lithology: Andesitic Volcanic, Rhyolitic Volcanic, Volcaniclastic, Gabbro, Ash Tuff, Sandy Tuff

Comments: fine to medium grained massive pyrite and chalcopyrite are exposed over 1 square metre. The massive sulphides are hosted in chlorite rich sandy to ash tuff, which is cross cut by abundant stock work pyrite and chalcopyrite, and associated zones of silicification

Geological Setting

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

Inventory

Ore Zone: SAMPLE
Category: Assay/analysis
Year: 2010
Report On: N

NI 43-101: N

Sample Type: Grab

Commodity	Grade
Silver	12.1 grams per tonne
Copper	4.26 per cent

Comments: Grab samples of massive sulphide mineralization

Reference: Assessment Report 31677

Capsule Geology

The Jane 2 occurrence is located immediately northwest of Breen Lake, approximately 3 kilometres west of Crofton.

The area is underlain by east-northeast striking, steeply dipping, andesitic and rhyolitic volcanics and volcaniclastics of the Upper Devonian McLaughlin Ridge Formation (Sicker Group). Large irregular gabbroic bodies (informally known as the Mount Hall gabbro), coeval with the Upper Triassic Karmutsen Formation (Sicker Group), intrude the volcanics. Also intruding the stratigraphy are quartz-feldspar porphyry bodies of the Late Devonian Saltspring Intrusive Suite (formerly the Saltspring Intrusions).

Locally, fine to medium grained massive pyrite and chalcopyrite are exposed over 1 square metre. The massive sulphides are hosted in chlorite rich sandy to ash tuff, which is cross cut by abundant stock work pyrite and chalcopyrite, and associated zones of silicification.

In 2010, Westridge Resources completed a program of geological mapping and geochemical sampling on the Breen Lake area. Grab samples of massive sulphide mineralization assayed up to 4.26 per cent copper and 12.1 grams per tonne silver (Assessment Report 31677).

Bibliography

EMPR ASS RPT *31677
Sadlier-Brown, T.L. (2009-11-04): A Report on the Geology and Mineral Potential of the Fortuna Property
Sadlier-Brown, T.L. (2010-01-21): A Report on the Geology and Mineral Potential of the Fortuna Property
EMPR PFD 650095, 650125, 650126, 650128, 650129, 650108

Date Coded:	2013/06/21	**Coded By:**	Karl A. Flower (KAF)	**Field Check:**	N
Date Revised:	2020/06/24	**Revised By:**	Karl A. Flower (KAF)	**Field Check:**	