

Location/Identification

MINFILE Number: 092C 255
Name(s): O.G.M. 156

Status: Showing **Mining Division:** Victoria
Electoral District: Alberni-Pacific Rim

Regions: British Columbia **Resource District:** South Island Natural Resource District

BCGS Map: 092C088 **UTM Zone:** 10 (NAD 83)

NTS Map: 092C15E **Northing:** 5416805

Latitude: 48 53 38 N **Easting:** 387042

Longitude: 124 32 28 W

Elevation:

Location Accuracy: Within 500M

Comments: See location map in Assessment Report 642.

Mineral Occurrence

Commodities: Copper

Minerals

Significant:	Chalcopyrite, Bornite, Pyrrhotite
Associated:	Magnetite
Alteration Type:	Skarn

Deposit

Character:	Vein, Massive
Classification:	Skarn, Igneous-contact
Type:	K01: Cu skarn

Host Rock

Dominant Host Rock: Sedimentary

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Quatsino	-----
Upper Triassic	Vancouver	Karmutsen	-----
Jurassic	-----	-----	Island Plutonic Suite

Isotopic Age	Dating Method	Material Dated
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Lithology: Limestone, Skarn, Basalt, Granodiorite, Porphyry Feldspar Dike

Comments: altered limestone and volcanics

Geological Setting

Tectonic Belt: Insular

Terrane: Wrangell

Metamorphic Type: Contact

Inventory

Ore Zone: SAMPLE
Category: Assay/analysis

Year: 1964
Report On: N
NI 43-101: N

Sample Type: Grab

Commodity	Grade
Copper	3.5 per cent

Comments: over 1.5 metres
Reference: Assessment Report 00642

Capsule Geology

The O.G.M. 156 occurrence is located north of Granite Creek, approximately 1 kilometre southeast of the Nitinat River.

The area is underlain by extensively faulted rocks of the Upper Triassic Vancouver Group and the Lower Jurassic Bonanza Group. The basal Vancouver Group sequence is comprised of basalt flows, breccias and tuffs of the Karmutsen Formation overlain by Quatsino Formation limestone, which is in turn overlain by black argillites of the Parsons Bay Formation. The overlying Bonanza Group consists of a sequence of argillites, cherts, cherty tuffs, volcanic and/or sedimentary breccias, sandstones and basaltic to rhyolitic flows.

The entire package of rocks has been broadly to tightly folded with fold axes generally trending northwest, and has been intruded by granodioritic and feldspar porphyritic dikes.

Locally, trenches in limestone and volcanics show numerous sulphide stringers in fracture zones. The sulphides consist of pyrrhotite, chalcopyrite and bornite. Assays of up to 3.5 per cent copper over 1.5 metres are reported (Assessment Report 642).

In 1964, Avallin Mines completed a program of soil sampling and geological mapping on the area as the O.G.M. claims. In 1969, Quintana Minerals completed a program of regional soil sampling and geological mapping.

Bibliography

EMPR ASS RPT *642, 2163
EMPR EXPL 1976-E109,E110
EMPR FIELDWORK 1977, p. 23; 1989, pp. 503-510
EMPR GEM 1969-221
EMPR OF 1988-24; RGS 24, 1990
GSC MAP 1386A
GSC MEM 13

Date Coded: 2016/03/31 **Coded By:** Karl A. Flower (KAF) **Field Check:** N
Date Revised: 2016/04/05 **Revised By:** Karl A. Flower (KAF) **Field Check:**