

Location/Identification

MINFILE Number:	092C 256		
Name(s):	<u>GILLESPIE</u>		
	O.G.M. 104		
Status:	Showing	Mining Division:	Victoria
		Electoral District:	Alberni-Pacific Rim
		Resource District:	South Island Natural Resource District
Regions:	British Columbia		
BCGS Map:	092C088		
NTS Map:	092C15E	UTM Zone:	10 (NAD 83)
Latitude:	48 53 07 N	Northing:	5415870
Longitude:	124 33 21 W	Easting:	385943
Elevation:			
Location Accuracy:	Within 100M		
Comments:	See location map in Assesment Report 642.		

Mineral Occurrence

Commodities:	Copper		
Minerals	Significant:	Chalcopyrite	
	Associated:	Magnetite	
	Alteration Type:	Skarn	
Deposit	Character:	Massive, Disseminated, Stratabound	
	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
-----		-----	-----
-----		-----	-----
-----		-----	-
Lithology:	Limestone, Basalt, Skarn, Granodiorite		
Comments:	magnetite-chalcopyrite skarn zones in limestone		

Geological Setting

Tectonic Belt:	Insular
Terrane:	Wrangell
Metamorphic Type:	Contact

Inventory

Ore Zone: PIT
Category: Assay/analysis

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

Sample Type: Rock

Commodity	Grade
Copper	4 per cent

Comments: Over 1.5 metres
Reference: Assessment Report 642

Ore Zone: TRENCH
Category: Assay/analysis

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

Sample Type: Rock

Commodity	Grade
Copper	4.6 per cent

Comments:
Reference: Assessment Report 642

Capsule Geology

The O.G.M. 104 (Gillespie) occurrence is located near Granite Creek, approximately 1 kilometre southeast of its creek mouth on 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, magnetite-chalcopyrite skarn zones in limestone have been explored by two short tunnels. Assays up to 4 per cent copper over 1.5 metres are reported from a pit, while 30 metres to the east, in the river canyon, a trench assayed 4.6 per cent copper over 1.5 metres (Assessment Report 00642).

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
- EMPR PF (In 092C General File - Aeromagnetic Contour Map, Nitinat Lake Area, Noranda Mines Ltd., date unknown; Claim and location map, 1955; Self-Potential Survey map, 1955)
- GSC MAP 1386A
- GSC MEM 13
- GSC OF 463; 821; 1272
- GSC P 72-44; 76-1A; 79-30

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:**