

Location/Identification

MINFILE Number:	092F 399		
Name(s):	<u>COR 6</u> STAR OF THE WEST		
Status:	Showing	Mining Division:	Alberni
		Electoral District:	Alberni-Qualicum
Regions:	British Columbia, Vancouver Island	Resource District:	South Island Forest District
BCGS Map:	092F007		
NTS Map:	092F02E, 092F02W	UTM Zone:	10 (NAD 83)
Latitude:	49 05 39 N	Northing:	5439396
Longitude:	124 44 55 W	Easting:	372346
Elevation:	400 metres		
Location Accuracy:	Within 500M		
Comments:	Old adit location (Assessment Report 6676).		

Mineral Occurrence

Commodities:	Copper, Gold, Lead		
Minerals	Significant:	Chalcopyrite, Pyrite, Galena	
	Associated:	Quartz, Calcite	
	Alteration:	Malachite	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein, Disseminated	
	Classification:	Epigenetic	
	Type:	I06: Cu+/-Ag quartz veins	
	Dimension:	200x1x0 metres	Strike/Dip: 055/40S
	Comments:	Vein at adit.	

Host Rock

Dominant Host Rock:	Volcanic		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Karmutsen	-----
Jurassic	-----	-----	Island Plutonic Suite
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Andesite, Biotite Granodiorite, Greenstone		

Geological Setting

Tectonic Belt:	Insular	Physiographic Area:	Vancouver Island Ranges
Terrane:	Wrangell		

Inventory

Ore Zone:	VEIN	Year:	1977
Category:	Assay/analysis	Report On:	N

Sample Type: Grab

Commodity	Grade
Gold	2.0000 grams per tonne
Copper	0.2000 per cent

Reference: Assessment Report 6676.

Capsule Geology

The Cor 6 showing is located 5 kilometres east of Alberni Inlet, just southeast of the Cor 14 showing (092F 389) and 16 kilometres south of Port Alberni.

The area is underlain by Upper Triassic Karmutsen Formation (Vancouver Group) volcanics which are intruded by biotite- granodiorite of the Early to Middle Jurassic Island Plutonic Suite. The volcanics consist of greenstones, andesites and basalts. Quartz- carbonate veins, carrying minor pyrite and chalcopyrite, cut both rock types (volcanics and intrusives) but are more common in the andesite.

An adit at the 400 metre elevation follows a quartz-carbonate vein striking 055 degrees and dipping 040 degrees southeast within greenstone. The vein which extends for about 200 metres and is up to 1 metre wide, contains disseminated pyrite, galena and minor chalcopyrite. The best assay for gold was 2 grams per tonne and for copper, 0.20 per cent (Assessment Report 6676).

A similar vein occurrence lies about 200 metres to the east. An assay of du_mp material from an old adit assayed 0.51 per cent copper (Assessment Report 6676). A further 200 metres to the east, a lens of massive pyrite and chalcopyrite in greenstone measures about 1 metre long and 10 centimetres thick. A sample assayed 2.80 per cent copper (Assessment Report 6676).

These showings are likely the ones worked on in 1890 and known as the Star of the West (see 092F 215).

Bibliography

EMPR AR 1895-647,653,654; 1897-569
 EMPR ASS RPT *5400, *6676, 13723, 16522
 EMPR BULL 1, 1896, p. 5; 37
 EMPR EXPL 1975-94; 1977-109-110
 EMPR FIELDWORK 1988 pp. 61-74
 EMPR OF 1987-2; 1988-24; *1989-6
 EMPR PF (Phelps, G.B. (1974, *1975): Report, in Focus Resources Ltd. Prospectus, see 092F 215)
 GSC MAP 17-1968; 49-1963
 GSC OF 463; 1272
 GSC P 68-50; 79-30
 CIM BULL Vol. 83 No. 935, March 1990 pp. 125-135
 GCNL #31,#224, 1975
 EMPR PFD 7870

Date Coded: 1985/07/24

Coded By: BC Geological Survey (BCGS)

Field Check: N

Date Revised: 1990/05/09

Revised By: Larry Jones (LDJ)

Field Check: N