

Location/Identification

MINFILE Number:	092C 136		
Name(s):	<u>CHERYL</u> RIA, SPEARS, WHYMP, WHYMPER		
Status:	Showing	Mining Division:	Victoria
		Electoral District:	Cowichan-Ladysmith
Regions:	British Columbia, Vancouver Island	Resource District:	South Island Forest District
BCGS Map:	092C100		
NTS Map:	092C16E	UTM Zone:	10 (NAD 83)
Latitude:	48 56 10 N	Northing:	5421036
Longitude:	124 11 24 W	Easting:	412850
Elevation:	700 metres		
Location Accuracy:	Within 500M		
Comments:	Location of outcrop (OC4) on Cheryl claim (Assessment Report 18598).		

Mineral Occurrence

Commodities:	Copper		
Minerals	Significant:	Pyrite, Chalcopyrite, Magnetite	
	Associated:	Quartz	
	Alteration:	Silica, Limonite	
	Alteration Type:	Silicific'n, Oxidation	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein, Stockwork, Disseminated	
	Classification:	Hydrothermal	
	Shape:	Tabular	Modifier: Sheared
	Dimension:	1x0x0 metres	
	Comments:	The vein is 1.5 metres in length and up to 0.3 metres wide.	

Host Rock

Dominant Host Rock:	Metasedimentary		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Carboniferous	Buttle Lake	Fourth Lake	-----
Upper Triassic	Vancouver	Karmutsen	-----
Jurassic	-----	-----	Island Plutonic Suite
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Siliceous Chert, Greywacke, Argillite, Turbidite, Basalt, Diorite, Granodiorite		

Geological Setting

Tectonic Belt:	Insular	Physiographic Area:	Vancouver Island Ranges
Terrane:	Wrangell		
Metamorphic Type:	Regional		

Grade: Greenschist
Comments: Located within the Cowichan uplift.

Inventory

No inventory data

Capsule Geology

The Cheryl occurrence is located 30 kilometres southwest of Nanaimo at the headwaters of Chemainus River on Mount Whymper.

The area, within the Cowichan uplift, is underlain by Mississippian to Pennsylvanian Fourth Lake Formation (Buttle Lake Group) sediments and Upper Triassic Karmutsen Formation (Vancouver Group) volcanic rocks which have been intruded by dioritic to granodioritic rocks of the Early to Middle Jurassic Island Plutonic Suite.

Outcrops on the claim host pyrite and chalcopyrite mineralization. Magnetite was observed in silt samples. A silicified chert and turbidite outcrop (OC4), hosts a quartz vein 1.5 metres long and up to 0.3 metres wide. Mineralization increases close to the vein but it appears that the wallrock contains more mineralization than the vein. Small shear zones with limonitic staining were also noted.

In 1981, New Gold Inc. completed a program of geological mapping and prospecting in the area as the Sherk and Widow claims. In 1984 and 1985, Imperial Metals Corp. completed programs of soil sampling and a ground electromagnetic survey on the area as the Whymp 1-2 claims. In 1988, the area was prospected and rock sampled as the Cheryl claim. A sample of outcrop (RS-15) containing 5 to 10 per cent pyrite and 3 to 5 per cent chalcopyrite assayed 0.14 grams per tonne gold and 9.6 grams per tonne silver (Assessment Report 18598).

In 1990 and 1994, New Gold Inc. completed programs of geological mapping and a ground geophysical surveys on the area as the Widow 3-8 claims. In 2008, Cuda Capital Corp. completed a program of helicopter-borne magnetic and VTEM surveys on the area as apart of the El Capitan Property.

Bibliography

EMPR ASS RPT 13333, 14792, *18598, 20091, 23363, 30440
EMPR BULL 37
EMPR FIELDWORK 1986, pp. 223-229; 1987, pp. 81-91; 1988, pp. 61-74
EMPR MP MAP 1992-2
EMPR OF *1987-2; 1988-24; 1989-6
EMPR PF (In General File: B.C. Forest Products Road Map, Cowichan Lake Area, 1963)
GSC MAP 17-1968; 49-1963; 1386A
GSC MEM 13
GSC OF 463; 821; 1272
GSC P 72-44; 76-1A; 79-30
Carson, D.J.T. (1968): Metallogenic study of Vancouver Island with emphasis on the relationships of mineral deposits to plutonic rocks, Ph.D. Thesis, Carleton University

Date Coded:	1990/11/23	Coded By:	Dorthe E. Jakobsen (DEJ)	Field Check:	N
Date Revised:	2013/05/31	Revised By:	Karl A. Flower (KAF)	Field Check:	N