

### Location/Identification

<b>MINFILE Number:</b>	092F 388		
<b>Name(s):</b>	<u>CUP</u> RA		
<b>Status:</b>	Showing	<b>Mining Division:</b>	Nanaimo
<b>Regions:</b>	British Columbia, Vancouver Island	<b>Electoral District:</b>	Alberni-Qualicum
<b>BCGS Map:</b>	092F028	<b>Resource District:</b>	South Island Forest District
<b>NTS Map:</b>	092F07E	<b>UTM Zone:</b>	10 (NAD 83)
<b>Latitude:</b>	49 15 40 N	<b>Northing:</b>	5457618
<b>Longitude:</b>	124 32 10 W	<b>Easting:</b>	388235
<b>Elevation:</b>	940 metres		
<b>Location Accuracy:</b>	Within 1KM		
<b>Comments:</b>	Mineralized outcrops on the northwest slope of a hill between the heads of French and Lockwood creeks, 4.75 kilometres southeast from the east end of Cameron Lake (Geology in British Columbia, page G50).		

### Mineral Occurrence

<b>Commodities:</b>	Copper		
<b>Minerals</b>	<b>Significant:</b>	Chalcopyrite, Pyrite, Pyrrhotite	
	<b>Mineralization Age:</b>	Unknown	
<b>Deposit</b>	<b>Character:</b>	Disseminated	
	<b>Classification:</b>	Porphyry	

### Host Rock

<b>Dominant Host Rock:</b>	Plutonic		
<b>Stratigraphic Age</b>	<b>Group</b>	<b>Formation</b>	<b>Igneous/Metamorphic/Other</b>
Jurassic	-----	-----	Island Plutonic Suite
<b>Isotopic Age</b>	<b>Dating Method</b>	<b>Material Dated</b>	
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<b>Lithology:</b>	Hornblende Diorite		

### Geological Setting

<b>Tectonic Belt:</b>	Insular	<b>Physiographic Area:</b>	Georgia Depression
<b>Terrane:</b>	Wrangell		

### Inventory

No inventory data

### Capsule Geology

The Cup occurrence is located on a ridge separating Lockwood and French creeks, approximately 4 kilometres northwest of Rowbotham Lake.

The area is underlain by hornblende diorite of the Early to Middle Jurassic Island Plutonic Suite in contact with a siliceous volcanic rock of the Upper Triassic Karmutsen Formation (Vancouver Group).

The diorite is sparsely and irregularly mineralized with chalcopyrite and locally pyrite and pyrrhotite. The chalcopyrite forms discrete blebs or clots and occasionally is found as a discontinuous vein or veinlet.

In 1989, the area was explored as the Silver and Gulch claims by B & H Leasco Limited. In 2011, New Shoshoni Ventures completed a prospecting reconnaissance program on the area, as the Arrow Smith property.

### ***Bibliography***

EMPR ASS RPT 06042, 06305, 18762, 21241, 32802  
EMPR FIELDWORK 1987, pp. 81-91; 1988, pp. 61-74  
EMPR GEOLOGY \*1975, pp. G50,G51  
EMPR PF (Rpt. by G.E.P. Eastwood)  
GSC MAP 17-1968; 49-1963; 1386A  
GSC OF 463; 1272  
GSC P 68-50

EMPR PFD 7844, 826171, 826207

**Date Coded:** 1985/07/24

**Coded By:** BC Geological Survey (BCGS)

**Field Check:** N

**Date Revised:** 2012/12/06

**Revised By:** Karl A. Flower (KAF)

**Field Check:** N