

Location/Identification

| | | | |
|---------------------------|---|----------------------------|------------------------------|
| MINFILE Number: | 092B 100 | | |
| Name(s): | <u>BLOCK 383</u> BLOCK 217 | | |
| Status: | Showing | Mining Division: | Victoria |
| | | Electoral District: | Malahat-Juan de Fuca |
| Regions: | British Columbia, Vancouver Island | Resource District: | South Island Forest District |
| BCGS Map: | 092B062 | | |
| NTS Map: | 092B12E | UTM Zone: | 10 (NAD 83) |
| Latitude: | 48 41 00 N | Northing: | 5392478 |
| Longitude: | 123 40 50 W | Easting: | 449908 |
| Elevation: | 250 metres | | |
| Location Accuracy: | Within 500M | | |
| Comments: | Located in the northwest corner of Block (land lot) 383. Diamond- drill hole 53 was put down on Block 217 about 350 metres west of Block 383 (Malcolm, 1964). | | |

Mineral Occurrence

| | | | |
|---------------------|----------------------------|----------------------------------|--|
| Commodities: | Copper | | |
| Minerals | Significant: | Pyrite, Chalcopyrite, Pyrrhotite | |
| | Alteration: | Epidote | |
| | Alteration Type: | Skarn | |
| | Mineralization Age: | Unknown | |
| Deposit | Character: | Disseminated | |
| | Classification: | Skarn | |

Host Rock

| | | | |
|----------------------------|--|-----------------------|----------------------------------|
| Dominant Host Rock: | Volcanic | | |
| Stratigraphic Age | Group | Formation | Igneous/Metamorphic/Other |
| Carboniferous | Buttle Lake | Fourth Lake | ----- |
| Pennsylvan.-Permian | Buttle Lake | Mount Mark | ----- |
| Isotopic Age | Dating Method | Material Dated | |
| ----- | ----- | ----- | |
| ----- | ----- | ----- | |
| Lithology: | Cherty Volcanic, Tuff, Limestone, Diorite | | |
| Comments: | Both formations of the Buttle Lake Group are mapped in the area and both may be associated with the deposit. | | |

Geological Setting

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

Inventory

| | | | |
|------------------|----------------|-------------------|------|
| Ore Zone: | DRILLHOLE | Year: | 1964 |
| Category: | Assay/analysis | Report On: | N |

Sample Type: Drill Core

| Commodity | Grade |
|-----------|-----------------|
| Copper | 0.2900 per cent |

Comments: From a 3 metre drill interval.

Reference: Malcolm, D.C. (1964): Cellardor Mines Ltd..

Capsule Geology

The Block 383 is located north of the Koksilah River, approximately 5.5 kilometres west of Cobble Hill.

The area is underlain predominantly by bedded chert and cherty basaltic tuffs of the Mississippian to Pennsylvanian Fourth Lake Formation (formerly the Sediment-Sill Unit of Muller), Buttle Lake Group. These are overlain by limestone, bedded chert and cherty tuff of the Upper Pennsylvanian to Lower Permian Mount Mark Formation, Buttle Lake Group (formerly the Buttle Lake Formation). These Paleozoic rocks are intruded by numerous dykes of feldspar porphyritic dacite and rhyolite and part of a granodioritic stock of the Early to Middle Jurassic Island Plutonic Suite (formerly called Island Intrusions).

Block 383 was examined by Cellardor Mines in 1964 and a well- mineralized zone containing chalcopyrite and pyrite was discovered. The zone is about 150 metres in length and tens of metres wide. A limestone band outcrops adjacent to gabbro or diorite at this locality. A diamond-drill hole was put down on Lot (Block) 217 about 300 to 400 metres to the west of the Block 383 showings. The hole mainly intersected cherty volcanics locally containing skarn, epidote, pyrite, pyrrhotite and some chalcopyrite. One 3-metre interval assayed 0.29 per cent copper (Malcolm, 1964).

In 1983 through 1985, Reward Resources completed programs of prospecting, geochemical sampling and ground geophysical surveys on the Independence, Koksilah, Pacific Star and Western mineral claims. In 1986, Hollycroft and Nexus resources completed a program of geological mapping and rock sampling on the Sil claims.

Bibliography

EMPR ASS RPT 11446, 13997, 15218, 15219
 EMPR FIELDWORK 1987, pp. 81-91
 EMPR OF 1988-8
 EMPR PF (*Malcolm, D.C. (1964): Cellardor Mines Ltd. - Canadian
 Pacific Oil and Gas Co. Ltd. - Land Agreement No. 10)
 GSC MAP 42A; 1386A; 1553A
 GSC MEM 13; 96
 GSC P 72-44; 75-1A, p. 23; 79-30

EMPR PFD 5631

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|----------------------|------------|--------------------|----------------------|---------------------|---|
| Date Coded: | 1990/11/02 | Coded By: | Garry J. Payie (GJP) | Field Check: | N |
| Date Revised: | 2013/06/25 | Revised By: | Karl A. Flower (KAF) | Field Check: | N |