

## NAME OF PROPERTY

COPPER CLIFF, DOE

OBJECT LOCATED - Doe showing.

UNCERTAINTY IN METRES 300. Lat. 50°06'07" Long. 125°16'00"

Mining Division Nanaimo District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR

## DESCRIPTION OF DEPOSIT

The claims are underlain by Lower-Upper Triassic andesitic volcanic flows of the Karmutsen formation. The mineralization, chiefly chalcocite, occurs in a fractured amygdaloidal rock and is apparently controlled by the fractures. The Copper Cliff workings suggest that the mineralized zone had a maximum thickness of 7 feet. Diamond drilling and trenching of the Doe showing indicates similar mineralization.

Associated minerals or products - Silver.

## HISTORY OF EXPLORATION AND DEVELOPMENT

Copper Cliff is located on the west side of Quadra Island, one mile northwest of Gowlland Harbour.

The Copper Cliff claim group was staked in about 1904 and soon afterwards bonded to Seattle interests who organized the Copper Cliff Mining Company; the company was registered in British Columbia in 1906. Work by the company during 1906 and 1907 included a large open cut, and a 90 foot adit with a 15 foot winze on the dip of the mineralization. Several ore shipments were made to the Tyee smelter at Ladysmith before operations ceased in 1907. The claims were subsequently acquired by P.W. Hall and associates who carried out annual assessment work until about 1916. The claims subsequently lapsed.

The Beach 1-6, Doe 1-5 and other claims were staked by J. Norville in 1951 and purchased by Dodge Copper Mines Limited which was incorporated in October 1952. Diamond drilling in 10 vertical holes in the vicinity of the adit proved conclusively that most of the mineralization in this small deposit has been mined. Drilling on the Doe showing, about 1,000 feet east of the adit, was done in 22 short holes.

The property was acquired in about 1968 by W.R. Hall and associates, who incorporated Quadra Mining Co. Ltd. Prince Stewart Mines Limited optioned the Copper Cliff claim in about 1972 and carried out diamond drilling in 14 holes on the Copper Cliff showing and 20 holes on the Doe showing.

Reserves as estimated by E.P. Sheppard (Jan. 73) and amended by F.G. Cooke (Apr. 73) for the Doe showing are placed at 4,500 tons (indicated) averaging 3.05% copper (in Prince Stewart Mines Limited, Statement of Material Facts, May 3, 1973). The option was subsequently given up.

## HISTORY OF PRODUCTION

During 1906-07, 726 tons of ore were shipped from this property. From this ore 242 ounces of silver and 30,927 pounds of copper were recovered.

## REFERENCES

- Bancroft, J. Austen; Geology of the Coast & Islands Between the Strait of Georgia and Queen Charlotte Sound; Memoir 23, p. 126, Geol. Surv. of Canada, 1913.
- Reports of Minister of Mines; British Columbia: 1906, p. 203; 1907, p. 160; 1914, p. 385<sup>+</sup>; 1916, p. 347<sup>++</sup>; 1953, p. 163; 1968, p. 100.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 212; 1970, p. 280; 1971, p. 314; 1974, p. 207; 1975, p. E-111.
- Mineral Policy Sector; Corporation Files: "Prince Stewart Mines Limited"; "Dodge Copper Mines Limited".

## MAP REFERENCES

Map 65 A, Coast & Islands between Strait of Georgia and Queen Charlotte Sound, (Geol.), Sc. 1":4 miles - accomp. Memoir 23.

#Dodge Copper Mines, Prospects on Quadra Island, Fig. 10, Report of Minister of Mines, British Columbia, 1953, p. 164.

\*Map 92 K/3, Quadra Island, (Topo.), Sc. 1:50,000.

## REMARKS

Comp./Rev. By	DMacR						
Date	11-78						