

NAME OF PROPERTY COPPER BELL (POMEROY) (STAR) (HERCULES)
(COPPER MOUNTAIN) (INGERSOLL)

OBJECT LOCATED - Pomeroy No. 3 showing.
 UNCERTAINTY IN METRES 300. Lat. 50°07'00" Long. 125°16'10"

Mining Division Nanaimo District
 County Township or Parish
 Lot Concession or Range
 Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The area is underlain by Lower-Upper Triassic andesitic volcanic flows of the Karmutsen formation. The volcanics have a shallow southerly dip. The flows range in thickness from 1 to 12 feet or more. Many are highly amygdaloidal, the cavities being filled with quartz, chlorite, actinolite, and prehnite. The rocks are all chloritized to some extent and are cut by numerous stringers and veinlets of epidote, calcite, and quartz. Distribution of the copper minerals is erratic and is not confined to any one horizon. Chalcocite is the most abundant; native copper and chalcopyrite are present in lesser amounts. The mineralization occurs along the walls of small fractures and within irregular quartz-calcite veinlets; lesser amounts occur within amygdules or as local disseminations.

Associated minerals or products - Silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between elevations of approximately 300 to 700 feet on Quadra Island, 1/2 to 1 1/2 miles northwest of Gowlland Harbour.

The Ingersoll claim, first reported on in 1907, was held in 1913 by W.T. Sauls. Exploration work had been done in pits and trenches. The YZ claim, was owned by P.W. Hall in 1913 and subsequently reported to belong to the Copper Mountain group. Cairnes (1913), however, places the YZ claim some 3 miles farther to the northeast (Map 120 A).

Valdes Island Copper Company, Limited, incorporated January 1914, acquired the Copper Mountain group, comprising the Ingersoll, Ingersoll No. 2, Copper Mountain, Copperopolis, Senator, YZ, Copper Flat, Copper Bluff, Copper Dyke, and St. Lawrence claims. In 1916 the property was under bond to H.W. Treat of Seattle who carried out diamond drilling on the Ingersoll claim. Under an early 1917 agreement Messrs. Jones and Rant of Victoria built a road to the Ingersoll claim and shipped some ore to the Ladysmith smelter. The contract expired late in the summer of 1916 and the company resumed exploration of the property. New showings were discovered on the Senator and Ingersoll No. 2 claims in 1918 and these were explored by trenching. During part of 1919 Thomas Kerruish held a lease on the property and shipped about 300 tons of ore. No further activity was reported and the claims lapsed.

Hercules Consolidated Mining, Smelting and Power Corporation, Limited held the property in 1929 as the Hercules 1-10 claims. No work was reported. Mr. R. Crowe-Swords staked 16 claims in 1932 to cover several small discoveries of radioactive vanadium-bearing material (see 92 K/3, V 1).

During the period June-August 1951 prospector J. Norville of Toronto acquired by staking the Copper 1-8, Norville 1-8, May, June, and other claim groups, which were a restaking of the old Copper Mountain showings. The claims were transferred to Dodge Copper Mines Limited which was incorporated in March 1952. Exploration work began in the fall of that year. To mid June 1953 diamond drilling was done in 145 holes totalling 8,800 feet. The showings were designated the Pomeroy Nos. 1-4 and Beaver, for reasons not apparent. The claims were subsequently abandoned.

see Card 2

HISTORY OF PRODUCTION

Name	Date	Tons	ozs AU	ozs AG	lbs Cu	References
Ingersoll & Copper Mtn	1915-1919	3,095		811	171,018	Index 3
Hercules	1934	18	31	103	9	Index 3
Baron	1964	371		82	11,106	Index 4
Copper Hills	1968	(concentrate) 2			1,232	MMAR 1968, p.291
Pomeroy	1973	360		(av. 2.05% CU)		Company data

REFERENCES

Reports of Minister of Mines, British Columbia:
 1907, p. 160; 1914, pp. 382-384; 1916, p. 346;
 1917, p. 279; 1918, pp. 271-274 +; 1919, p. 217;
 1920, p. 216; 1922, p. 240; 1925, p. 282; 1929,
 p. 391; 1953, pp. 163-165 ++; 1964, p. 152;
 1968, p. 100.

Bancroft, J.A.; Geology of the Coast and Islands between the Strait of Georgia and Queen Charlotte Sound; Memoir 23, p. 127, Geol. Surv. of Canada, 1913.

Mineral Policy Sector; Corporation Files: "Dodge Copper Mines Limited"; "Prince Stewart Mines Limited".

Cairnes, D.D.; The Lime Belt, Quadra Island; Summary Report 1913, p. 75, Geol. Surv. of Canada.

Webber, W.W.; Report on the Copper Occurrences on Quadra Island, July 10, 1952 - in Prospectus, Dodge Copper Mines Limited, Oct. 14, 1952.

+++Sheppard, E.P.; Geological Report on the Pomeroy Group, Quadra Island - in Prince Stewart Mines Limited Statement of Material Facts, May 7, 1973.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 212; 1970, p. 280; 1971, p. 314; 1972, p. 285; 1974, p. 207; 1975, p. E-111; 1976, p. E 125; 1977, p. E 172; 1978, p. E 180.

MAP REFERENCES

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

Copper Mountain group, (Claim Map), Report of Minister of Mines, 1918, p. 272.

#Dodge Copper Mines Ltd., prospects on Quadra Island, Sc. 1":1,500 ft., Report of Minister of Mines, British Columbia, 1953, p. 164.

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

REMARKS

See: Doe, 92 K/3, CU 5.

Comp./Rev. By	DMacR	DMacR					
Date	11-78	03-82					

BCI 92 K - 71-74, 103, 118, 119

