

NAME OF PROPERTY MB (DAYBREAK) (COPPER BAY)  
(BALD EAGLE) (GAMBIER ISLAND)

OBJECT LOCATED - Beach showing.  
 UNCERTAINTY IN METRES 300. Lat. 49°30'35" Long. 123°20'50"  
 Mining Division Vancouver District New Westminster  
 County Township or Parish  
 Lot Concession or Range  
 Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Map 42-1963 shows the surface geology as a volcanic-sedimentary assemblage, identified as the Gambier Group of Jurassic-Cretaceous age covering the north two-thirds of the Island, and in contact with dioritic rocks of Cretaceous or earlier age.  
 Within the claim group the intrusive can be found in numerous places intruding the volcanics. The original near shore showing consists of a strong shear with subsidiary parallel shears over a width of approximately 300 feet in andesite. These shears contain copper-silver mineralization associated with quartz stringers.  
 The "C" zone, between elevations of about 500 to 1,500 feet comprises a mineralized porphyry plug with a halo of copper-molybdenum mineralization extending out into the surrounding andesite.

Associated minerals or products - Molybdenum, silver, gold, rhenium.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located in the vicinity of Gambier Creek in the northeasterly corner of Gambier Island, 20 miles northwest of Vancouver.  
 Claim staking on the island has been reported from about 1905 but locations are lacking. The Latona Mining Syndicate held a number of claims in 1912 on which considerable work, presumably trenching, had been done but no location is given.  
 The Eagle Bay and Sharcks Bay claims were staked on the beach showings in 1960. The adjacent Blue Grouse and Copper Bay claims were staked in 1964. Sufficient blasting was done to cover assessment work in the following years. By 1967 the property had been expanded to include, in addition to the above claims, the Jon, Dale, Anvel and N & J groups for a total of 50 claims, owned by J.D. Eng and associates under the name "Gambier Syndicate".  
 Giant Explorations Limited optioned the property in 1967. Work included shoreline geological mapping, and 121 feet of diamond drilling in 2 holes.  
 Gaylord Mines Limited by a March 1970 agreement optioned 49 claims from the Gambier Syndicate. Additional claims (JA 1-14) were staked by the company in 1971. Work during 1971 included airborne electromagnetic, magnetometer, and radioactivity surveys over 80 line-miles, blasting of out-crops, geological mapping, and apparently limited drilling; one hole is reported to have cut 200 feet assaying 0.11% copper. Two geophysical anomalies were indicated. The claims were purchased by the company in June 1971.  
 20th Century Energy Corporation early in 1978 restaked the showing as the Daybreak claim (20 units). Work during the year included prospecting, geological mapping, induced potential, magnetometer and geochem surveys, and 374 m of diamond drilling in 3 holes on the "C" zone at about 500 feet elevation. The property was restaked and expanded as the MB 1-18 claims (241 units), the Daybreak claim being restaked as MB 18.  
 Further drilling was carried out in 1979. Based on 12 drill holes there is an inferred 281.6 million tons to a depth of minus 300 feet elevation having an overall mean average grade of 0.27% Cu, 0.014% MoS<sub>2</sub>, 0.042 oz/t Ag, and 0.001 oz/t Au (NM 30/08/79). A helicopter magnetic survey

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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

was completed in 1980 and a 50% interest in the deposit was optioned by Gambier Exploration Ltd. In 1981, Gambier's name was changed to Breakwater Resources Ltd. A 100-ton bulk sample was shipped to Lakefield Research of Canada. Mineable reserves were reported as 112,000,000 tons at 0.29% Cu, 0.018% MoS<sub>2</sub> (Northern Miner 18/12/80, p. 13). The 1979-80 work included an airborne magnetometer survey over 402 km, ground magnetometer and induced potential surveys and 5 552 m of diamond drilling in 28 holes.

Candorado Mines Ltd. in 1985-86 carried out geochemical soil and silt surveys to re-evaluate the gold potential of the property (Candorado 1986 Annual Report).

REFERENCES

Report of Minister of Mines, British Columbia: 1912, p. 203; 1967, p. 62.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 254; 1972, p. 276.

Mineral Policy Sector; Corporation Files: "Gaylord Mines Limited"; "20th Century Energy Corporation"; "Breakwater Resources Ltd."; "Candorado Mines Ltd.".  
 \*Roberts, A.F.; Report on the Gambier Island Property, April 7, 1972 - in Gaylord Mines Limited Prospectus, July 14, 1972.

Exploration in British Columbia; BCDM: 1978, p. 137; 1979, p. 135; 1980, p. 177.

MAP REFERENCES

Map 42-1963, Squamish, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Gambier Island Property, Claim Map, Sc. 1":3,000' - accomp. Report by Roberts, 1972.

\*Map 92 G/11 W, Squamish, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	JL	DMacR	DMacR			
Date	9-79	09-82	02-87	06-88			