

NAME OF PROPERTY                      HOLBERG (MILLINGTON)

OBJECT LOCATED - Crackerjack claim.

UNCERTAINTY IN METRES    250.    Lat. 50°39'30"    Long. 128°04'00"

Mining Division    Nanaimo                      District    Rupert

County                      Township or Parish

Lot                      Concession or Range

Sec                      Tp.                      R.

OWNER OR OPERATOR AND ADDRESS

Holberg Mines Ltd.

DESCRIPTION OF DEPOSIT

The area is underlain by Upper Triassic Karmutsen volcanics. Mineralization consists essentially of bornite as disseminations and stringers in a dark green amygdaloidal basalt in a zone running northwest across the claims. Associated with the bornite are occasional small amounts of chalcopyrite and pyrite. The basalt exhibits very little structure, but it probably forms part of a considerable thickness of basic extrusives striking northwesterly and dipping 20 to 30° southwest. The bornite occurs in stringers or veins, generally less than 6" wide and quite discontinuous, cutting across the apparent strike of the basalt, and also disseminated, particularly in amygdules. The sulphide is concentrated, in several places, along narrow zones which are more strongly amygdule than the surrounding basalt and which follow the strike of the rocks. In the same flow about 3 miles to the east, native copper occurs in small veins and as disseminated grains associated with the amygdules.

Sampling along the strike of the mineralized zone gave grades of copper of 0.58% and 6.40% over widths of 2.2 feet and 10 feet, respectively.

HISTORY OF EXPLORATION AND DEVELOPMENT

This property covers the north slope of Mount Hansen and extends eastward several miles to cover the ground about the head of Holberg Inlet.

The Millington group, consisting of the Millington, Cracker Jack, Hood, Mellie B., Mollie Bawn, and Paystreak claims, was located on the north side of Mount Hansen between the 400 and 600 foot elevations by the Spooner Bros. and associates in about 1916. Exploration and development work was carried on each year by the owners until about 1930. The underground workings consist of over 300 feet of crosscuts and drifts in 3 adits. This work failed to find the continuity with depth of the outcrop on the surface.

The Consolidated Mining and Smelting Company of Canada, Limited, optioned the property in 1927 and put down two diamond drill holes totalling 1,030 feet. Neither of these holes encountered any ore and the option was dropped in 1929.

In 1954 Noranda Exploration Company Limited restaked 4 claims and cleaned out the old underground workings. These claims were allowed to lapse in 1959.

Individuals restaked the ground and sold the Crackerjack Creek claims to Holberg Mines Limited in 1959. By 1964 additional staking had expanded the property to 113 claims.

By 1971 Holberg Mines Limited retained the 20 mineral claims, Rick 1-4, 7, 8, May 1-8, Lucky 3, 4, and Rush 1-4. The other claims in the Crackerjack Creek area were allowed to lapse.

From 1962 to 1971, the Company completed extensive surface stripping, trenching and rock blasting to provide access for consulting engineers. Soil sampling and a self-potential survey and 724 miles of induced polarization and resistivity survey were completed. Seven major diamond drill holes were drilled totalling 4,189 feet and 5,000 feet of packsack drilling in thirty-six locations was completed. The Company completed an airborne magnetometer survey over 148 claims which included the key claims on Crackerjack Creek.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1918, p. 268; 1919, p. 205; 1922, p. 232; 1923, p. 251; 1924, p. 229; 1926, p. 304; 1927, p. 346; 1928, p. 374; 1929, p. 377; 1930, p. 295; 1962, p. 96; 1963, p. 128; 1964, p. 154; 1965, p. 228; 1966, p. 65; 1967, p. 69.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 201.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, pp. 64, 68, Geol. Surv. of Canada, 1974.

Mineral Development Sector; Corporation Files: "Holberg Mines Limited"; "Cominco Ltd.".

Dolmage, V.; Quatsino Sound and Certain Mineral Deposits of the West Coast of Vancouver Island, B.C.; Summary Report 1918, Pt. B, pp. 36, 37, Geol. Surv. of Canada.

Gunning, H.C.; Geology and Mineral Deposits of Quatsino-Nimpkish Area, Vancouver Island, B.C.; Summary Report 1929, Pt. A, p. 139, Geol. Surv. of Canada.

MAP REFERENCES

Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

#Mines and Mineral Occurrences of Alert Bay-Cape Scott area, Sc. 1:250,000, Fig. 15 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

\*Map 102 I/9 E, San Josef, (Topo.), Sc. 1:50,000.

Map 1730 G, San Josef, (Aeromag.), Sc. 1":1 mile.

REMARKS

BCI 922-219

Comp./Rev. By	LJ						
Date	10-75						