



NAME OF PROPERTY

JUNE, MINERVA FRACTION

## DESCRIPTION OF DEPOSIT (continued)

south varies from gabbro-diorite to granodiorite. The upper contact of the limestone follows around the lower northern slopes of the two knolls and between this and the intrusives, volcanics or dykes are exposed.

The mineralization consists of magnetite, chalcopyrite, bornite, and occasionally sphalerite and arsenopyrite, and garnet, epidote, chlorite, and other silicates. Quartz veins carrying pyrrhotite and other sulphides were noted in one or two places. The host rocks are volcanics, limestone, and hornblende diorite and the mineralization is evidently confined to a somewhat irregular zone adjoining the main intrusive contact. The hornblende diorite dykes are in part replaced by magnetite, chalcopyrite, and bornite and the sulphides are generally accompanied by small quartz stringers. Mineralization has been found for 2,000 feet along the contact.

Magnetite is found in two different occurrences in this deposit, as vein-like masses and irregular replacements in the volcanic rocks, and as veins, small masses, and spotty impregnations in the diorite.

Only very small amounts of solid magnetite are exposed in this deposit. Most of it is badly mixed with garnet, tremolite, actinolite, pyrite, pyrrhotite, and altered volcanic rocks; the remainder is scattered through the diorite, and associated with quartz stringers containing chalcopyrite and bornite.

## HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

Work in 1969-1970 included an airborne magnetometer survey over 66 line-miles. In August 1987, Alice Lake Mines acquired a license from Western Forest Products Limited to explore the Amazon, Helen, June and Olga Crown-grants.

## HISTORY OF PRODUCTION

## REFERENCES

Gunning, H.C.; Geology and Mineral Deposits of Quatsino-Nimpkish Area, Vancouver Island; Summary Report, 1929, Pt. A, pp. 120-122, Geol. Surv. of Canada.

Young, G.A. & Uglow, W.L.; The Iron Ores of Canada, Vol. 1, Economic Geology Series No. 3, pp. 239-242, Geol. Surv. of Canada, 1926.

Reports of Minister of Mines, British Columbia: 1902, p. 234; 1903, pp. 194, 201, 257; 1904, pp. 245, 301; 1905, p. 213; 1906, pp. 183, 200, 201; 1907, p. 151; 1916, pp. 341, 343; 1929, p. 378; 1930, p. 296; 1931, p. 170; 1963, p. 127.

Geology, Exploration and Mining, British Columbia Dept. of Mines: 1969, p. 207.

Mineral Development Sector; Corporation Files: "Cominco Ltd."

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-Area; Paper 74-8, pp. 60, 61, Geol. Surv. of Canada, 1974.

George Cross News Letter: 1987, No. 183

## MAP REFERENCES

Map 255 A, Quatsino-Nimpkish Area, (Geol.), Sc. 1":2 miles -  
Accomp. Summary Report 1929, Pt. A.

Map 1737 G, Alice Lake, (Aeromag.), Sc. 1":1 mile. (1963).

\*Map 92 L/6 W, Alice Lake, (Topo.), Sc. 1:50,000.

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

## REMARKS

(See: Alice Lake, 92 L/6, ZN 1).

APR 1973  
OCT 1975  
DEC 1988