

## NAME OF PROPERTY

ALDER ISLAND

OBJECT LOCATED—showing.

UNCERTAINTY IN METERS 250. Lat. 52°26'46" Long. 131°18'50"

Mining Division Skeena District Queen Charlotte

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

Alder Island is underlain by complex geology, including folded Kunga Formation, Yakoun volcanic rocks, granitoid dykes related to the Burnaby Batholith, Longarm sandstones, and Masset basalts. The eastern side of the island is cut by a northerly striking fault zone. Adjacent to the fault zone, skarn is variably developed in Longarm sandstones. The skarn varies from a pyroxene, to garnet skarn, to skarny sandstone. Magnetite, pyrrhotite, and chalcopyrite form minor but constant accessories. Some small masses of pyrrhotite occur which are nickeliferous.

The skarn contains some late small calcite veins following a 4-foot basaltic dyke. The dyke and veins strike north-south and dip about 75°W. The veins, a few inches in width, occur on both walls of the dyke for a short distance to a cross-fracture in the dyke, through which the hanging-wall vein crosses to and combines with the foot-wall vein. The vein then extends along the foot-wall of the dyke for about 50 feet, where it is lost under the overburden. Small amounts of arsenical alledmontite show in the calcite.

Associated minerals or products of value - Copper, nickel, antimony.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The showing is located near sea level on Alder Island,  $\frac{1}{2}$  mile off the north end of Burnaby Island. It was staked in 1922 as two recorded claims.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

513362 \*

HISTORY OF PRODUCTION

REFERENCES

Brown, A. Sutherland; Geology of the Queen Charlotte Islands; Bulletin No. 54, p. 193, British Columbia Dept. of Mines, 1968.

Reports of Minister of Mines, British Columbia: 1922, pp. 41-42.

MAP REFERENCES

Geology of the Queen Charlotte Islands, Sc. 1:125,000, Fig. 5, Sheet A - accomp. Bulletin No. 54.

#Sheet 103 B-C, (MI), Moresby Island, Mineral Inventory Map, Sc. 1:250,000, British Columbia Dept. of Mines.

\*Map 103 B/6 W, Jedway, (Topo.), Sc. 1:50,000.

REMARKS

BCI 103 B-C-17

Comp./Rev. By	LJ						
Date	6-75						