

NAME OF PROPERTY ROB (NADIRA, BORNITE, SOUTHERN CROSS)

as per Geology, Exploration, and
LOCATION Mining, 1969.

Lat. 48°55' Long. 124°35'

Mining Division Alberni

District Barclay

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The rocks of the area are intermediate to basic volcanics, limestones and greywackes of the Triassic Vancouver Group. These are intruded by younger feldspar porphyry dykes. Mineralization of chalcopyrite, bornite and pyrite occurs where the volcanic rock is extensively altered to a skarn which also contains garnet, ilvaite, actinolite and epidote. A fault, striking N30°E and dipping 60° east, is found on the foot-wall side of the mineralized zone.

Associated minerals or products of value - Gold, silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Rob Group encompasses the drainage basin of Horse Creek a tributary of Parker Creek. The center of the group is 6 mile due west of the west end of Cowichan Lake and the main showings are between 1,200 and 1,700 feet above sea level.

In 1930, Walter Harris and partners staked 7 claims, known as the Southern Cross Group. Some stripping and open-cuts were done in the next few years. In 1942, Bralorne Mines Ltd. did some surface work and 2,000 feet of diamond drilling in six holes. The property was relocated as the Bornite Group of 4 claims in 1947 and in 1953 they were restaked by John C. Kay and A.J. Ostrem. They cleaned out a few of the old open-cuts and American Standard Mines Limited is reported to have done some mapping and sampling on the main showings.

In 1955, the property had expanded to 52 claims owned by Nadira Mines Ltd. Work during 1955-56 included a geophysical survey, geological mapping, sampling, and 11,902 feet of diamond drilling in 43 holes. In 1957, an adit was driven for 102 feet. Further stripping was reported in 1959. In 1960, Cowichan Copper Co. Ltd. took over effective control of Nadira Mines Ltd. and ore was shipped to the Cowichan mill. In 1969, Nadira Mines Ltd. was dissolved.

In 1969, Amax Exploration, Inc., acquired the showings under the name "Rob Group". Geological mapping, geochemical and magnetometer surveys were carried out. Dictator Mines Ltd. optioned the property from Amax in 1971. A soil geochemical survey, and diamond drilling was carried out.

HISTORY OF PRODUCTION

In 1960, 5,142 tons of crude ore were milled by Cowichan Copper to produce 261 tons of copper concentrates which were sent to Japan.

REFERENCES

Annual Reports, B.C. Dept. of Mines: 1931, p. 165; 1932, p. 202; 1953, pp. 170, 172; 1956, p. 123; 1957, p. 71; 1959, p. 138; 1960, pp. A-52, 112.

Geology, Exploration and Mining; B.C. Dept. of Mines: 1969, p. 221.

Western Miner and Oil Review, Oct. 1956, pp. 84-85.

Mineral Resources Branch, Corporation Files: "Nadira Mines Ltd."; "Amax Potash Limited"; "Dictator Mines Ltd.".

MAP REFERENCES

Map 92 C/15 E, Nitinat, (Topo.), Sc. 1:5,000.

Map 92 B-C (MI), Preliminary Mineral Inventory Map, Sc. 1:250,000; B.C. Dept. of Mines and Petroleum Resources, 1968.

Map 17 A, Southern Vancouver Island, (Geol.), Sc. 1":6 miles; Accomp. Memoir 13, Geol. Surv. of Canada.

REMARKS

JULY 1973