

NAME OF PROPERTY RED DOG

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 250. Lat. 50°42'50" Long. 127°57'40"

Mining Division Nanaimo District Rupert

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT.

The area is underlain by Jurassic Bonanza sediments and volcanics. The Bonanza rocks are intruded by diorite, quartz diorite, and leucocratic porphyries. The area is extensively sheared and faulted.

Pyrite is abundant throughout metamorphosed and hydrothermally altered Bonanza rocks and is common in all phases of the intrusives. It occurs as fracture-fillings, is disseminated in fractures, and is disseminated throughout the rock matrix. In some stream beds limonite gossans several inches thick are formed.

Chalcopyrite and molybdenite mineralization is more localized. The area of best mineralization is outlined on the northeast side of the property. Chalcopyrite occurs as very fine-grained disseminations and in fractures in hornfels. Molybdenite is most abundant on fracture surfaces and in quartz-sericite veins following shear zones. On the southwest side of the property, copper mineralization is more sporadic, occurring mainly in association with magnetite in siliceous breccia.

p.t.o. ...

Associated minerals or products of value - Molybdenum, pyrophyllite.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between 700 feet and 1,500 feet elevation about 4½ miles north-northeast of Holberg.

The Red Dog group of 14 claims was located in 1967 by West Coast Mining and Exploration. There is no record of this company as a Canadian corporation. In 1970 the Company held 56 claims. Work done between 1967 and 1970 included geological mapping, geochemical and magnetometer surveys, and 7,600 feet of diamond drilling in 27 holes.

In 1972, Westminex Development Ltd. held the Red Dog 1-26, 29, 31-54, 69, 70, and Red Dog fraction claims. The Company carried out geological mapping, a geochemical soil survey, and 2,030 feet of diamond drilling in 2 holes.

In 1974, Utah Mines Ltd. conducted an IP survey on the property. Exploration on the Red Dog and adjacent properties to 1975 was directed toward copper; following 1980 the emphasis shifted to gold exploration. Diamond drilling reported on Red Dog Fraction and Red Dog 9 and 12 in 1983 totalled 780 m in 5 NQ size holes. Drill indicated reserves are reported at 20,000 000 + tons grading approximately 0.40% Cu, 0.02 oz/t Au (H.M. Jones & Assoc. Inc., Expo Property Summary Report, July 11, 1988 - in Moraga Resources Ltd. Prospectus, 26/07/88).

The company name (Utah) was changed in July 1987 to BHP-Utah Mines Ltd. TP Resources Ltd. in 1988 acquired the property from BHP, subject to a 3% net smelter royalty. The company name (TP) was changed in September 1988 to Crew Natural Resources Ltd.; a four hole confirmation drilling program was begun. Crew in late 1988 optioned a 50% interest in the BHP-Utah agreement to an associate company, Asia-Pacific Resources Ltd. Preliminary drill indicated reserves are 70,000,000 tons grading about 0.6% Cu equivalent (George Cross News Letter, 23/11/88).

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DESCRIPTION OF DEPOSIT (continued)

Pyrophyllite-bearing silicified breccia occurs as a volcanic centre in the Bonanza rocks.

REFERENCES

Reports of Minister of Mines, British Columbia: 1967, p. 69; 1968, p. 96.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, pp. 259-262; 1972, p. 307; 1974, pp. 216-217.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, p. 63, Geol. Surv. of Canada, 1974.

Exploration in British Columbia; BC EMPR: 1982, p. 235; 1983, p. 338.

George Cross News Letter: 1986, No. 183, 191, 225.

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 92 L/12, Quatsino, (Topo.), Sc. 1:50,000.

Map 1734 G, Quatsino, (Aeromag.), Sc. 1":1 mile.

#Fig. 30, Geology of the Red Dog property, Sc. 1":1,200 feet, Geology, Exploration, and Mining, British Columbia Dept. of Mines, 1970, p. 261.

Fig. 29, Bonanza belt, north of Holberg Inlet, (showings), Sc. 1":2 miles, Geology, Mining, and Exploration, 1974.

REMARKS

Comp./Rev. By	LJ	LJ	DMacR				
Date	10-75	12-76	12-88				

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