

NAME OF PROPERTY COLOSSUS (LAGOON)

OBJECT LOCATED - Colossus-Portage boundary.

UNCERTAINTY IN METRES 300. Lat. 50°31'55" Long. 125°12'05"

Mining Division Vancouver District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The country rock is granodiorite which is cut by many diorite dykes. A mineralized shear-zone 40 to 50 feet wide strikes westerly across the property and dips steeply north. The zone has been traced horizontally for about 200 feet and to a depth of 340 feet below the surface. Below this depth the zone has been cut by a flat fault. The ore bodies are reported to be lenticular and very erratic. Mineralization is chiefly chalcopyrite carrying low values in gold and silver. Molybdenite has been reported in some of the workings. Sampling gave values averaging from 1.5 to 3.5% copper. Drill hole No. 2, drilled by Alquin mines in 1966 on No. 2 level, assayed 1.05% Cu and 0.17% MoS₂ over a core length of 40 ft. Sampling in 1987 in the three adit levels yielded average values ranging from 1.26 to 2.65% copper, 0.025 to 0.094% molybdenum, 5.2 to 16.8 PPM silver, 3.4 to 21 PPB gold.

Associated minerals or products - Molybdenum.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located between elevations of 1,300 and 1,600 feet on a steep bluff on the west side of Buker Creek, which flows southerly into Estero Basin at the head of Frederick Arm, approximately 120 miles northwest of Vancouver.

The B.C. Exploring Syndicate, Limited of London, England, carried out exploration and development work on the property from 1892 until 1903. Five claims, the Colossus, Rio Tinto, Blue Bell, Portage, and Champness Fraction (Lots 256-260, respectively) were Crown-granted to the company in 1899. Development work by the company totalled some 2,600 feet of drifting and 270 feet of raising in 3 adits between elevations of 1,300 and 1,550 feet. An intermediate level was driven from the raise between No. 3 and No. 2 levels. The company maintained the claims in good standing until about 1918. The claims were offered for tax sale in 1919 and, not being sold, were forfeited to the Crown in 1921. Messrs. Dixon and Rowley, of Vancouver, leased the property in 1922 and staked one additional claim (Lagoon claim); sampling was reported at that time. Colossus Copper Company, Limited, was incorporated in 1929 to acquire the leased claims and through additional staking expanded the property to 15 claims. Rehabilitation of the old workings was begun in 1929. The company charter was surrendered in 1932.

Phelps Dodge Corporation of Canada, Limited, optioned the leased Crown-grants and 41 recorded claims from H.W. Gardner, of Vancouver, in 1960. Work by the company during 1960-1961 included geological mapping, and 363 feet of underground diamond drilling in 3 holes.

Alquin Mines Ltd., incorporated in 1966, acquired the property, then comprising 33 claims including the leased Crown-grants. As reported at that time reserves of 130,000 tons of between 2 and 3 per cent copper had been established by the driving of 3 levels and connecting raises (Financial Record 22/8/66).

Work during the period 1966-1968 included geological, magnetometer, and self-potential surveys, and 5,047 feet of diamond drilling in 33 holes. The company name was changed in 1969 to Alquin Pacific Limited. The company charter was surrendered in 1974.

Gardiner Resources Inc. acquired the Crown-grants in February 1980 by the assignment of 1979 agreements between

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Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

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PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 K/11 RÉGION DU S.N.R.C.	REF. Cu 1 RÉF.
NAME OF PROPERTY NOM DE LA PROPRIÉTÉ				COLOSSUS (LAGOON)		
HISTORY OF EXPLORATION AND DEVELOPMENT (con't) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR						
<p>P.J. Goodman and the Dixon and Rowley Estates on the Colossus and Champness Fr., and between Goodman and New Jersey Zinc Exploration Company (Canada) Ltd on the Blue Bell and Portage claims. Gardiner Resources staked the adjacent Ian and Jan Claims (15 units). Work during 1980 included rehabilitation of adits and sampling.</p> <p>Sancono Ventures Inc. in December 1986 optioned from Laurence Lazeo, of Vancouver, the Blue Bell and Portage Crown-grants and the Bluebell (12 units), Portage (20 units), and Colossas (20 units) located claims; the Colossas overstaked all the Crown-grants, of which the Colossus and Champness Fr. were not part of the option agreement; adits 1 and 2 are on the Portage and Adit 3 on the Colossus Crown-grants. Work in 1987 included geological mapping, a geochemical survey comprising 167 soil and 75 rock samples, ground and airborne magnetometer and VLF electromagnetic surveys. This work indicated a co-incident geophysical-geochemical anomaly several hundred metres south of the known mineralization and in part on the Colossus Crown-grant.</p>						