

NAME OF PROPERTY **LUCKY JIM; GREAT GRANITE**

OBJECT LOCATED -centre of Lot 723.

UNCERTAINTY IN METERS-200. Lat. 50°12'22" Long. 125°16'42"

Mining Division **Nanaimo** District **Sayward**

County Township or Parish

Lots **721, 722, 723** Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The rock formation on these claims consists mainly of limestones interbedded with volcanic rocks including mainly andesite and some tuffs and breccias. There are several mineralized showings on the property which occur either along the contacts between the limestone and volcanic rocks or follow fractures of shear zones traversing these formations. All deposits are in close vicinity of the limestone. They are very irregular in form and only one has been traced for a few yards. It is the main showing on the Lucky Jim claim which has been definitely followed for about two hundred feet. This deposit varies in strike from N52°W to N69°W. Near the surface it has almost a flat dip then suddenly pitches downwards at an angle of 80° southwest.

Mineralization consists chiefly of pyrrhotite with some chalcopyrite and pyrite; gangue consists of quartz, epidote, garnet and other silicates. In places, particles of native gold as well as a black, lustrous telluride have been found. An average surface sample assayed 0.24 oz./ton gold, no silver, and 4.13% copper.

Associated minerals or products of value - **Copper, silver.**

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located two and a quarter miles south-east of Granite Bay on Quadra Island. In 1908, it was owned by George Mumford and consisted of the Saxon, Rising Sun, Lucky Jim and Standard claims. The first three are Crown-granted Lots 721, 722 and 723, respectively. Work on the Lucky Jim claim included open cuts and a shaft 23 feet deep.

Mr. Mumford also owned the Great Granite Group of five claims, located north of this property. In 1910, both properties were reorganized under two Vancouver-based syndicates. Great Gold Development Syndicate (not registered) held seven claims which included part of the former Great Granite Group. The Great Granite Development Syndicate, Limited, held the Lucky Jim Group and part of the Great Granite Group. The shaft on the Lucky Jim claim was extended to a depth of 110 feet. At the 100-foot level two drifts were run, 25 feet to the east and 15 feet to the west. An adit was driven 150 feet.

In 1913 the Saxon, Rising Sun and Lucky Jim claims were Crown-granted to A. McNair of Vancouver.

In 1927 the Lucky Jim Group was optioned by the Glasord Mining Corporation, Limited. A trial shipment of ten tons was sent to the Granby smelter at Anyox. A test-pit was sunk 45 feet. Results proved disappointing and the option was dropped in September of that year.

Western Mines Limited in 1969 acquired by option and staking a total of 202 claims in the Copper Road (92 K/3, Cu 4), Sunrise (see Geiler, 92 K/3, Au 2; White Swan, 92 K/3, Cu 7), Lucky Jim and other groups. Exploration work during 1969 and 1970 included geological mapping, induced polarization, magnetometer and geochemical surveys, percussion drilling totalling 1,500 feet in 9 holes and surface diamond drilling totalling 4,852 feet in 9 holes.

The property was held in 1980 by Capilano Resources Inc (Proven Resources Ltd Prospectus 30/11/84). Butler Mountain Minerals Corp optioned 100% interest in 3 crown grants and in 1983-84 carried out EM surveys, soil sampling, trenching, over 1,300' of diamond drilling and rehabilitation of old workings under a joint venture with Cove Energy Corporation.

P.F.O.

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

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HISTORY OF PRODUCTION

Intermittent production during the period 1909 to 1927, inclusive, totalled 527 tons. From this ore, 236 ounces of gold, 229 ounces of silver, and 24,885 pounds of copper were recovered.

REFERENCES

- Reports of Minister of Mines, British Columbia: 1907, p. 160; 1908, p. 148; 1909, p. 274; 1910, p. 158; 1911, p. 194; 1912, p. 327; 1913, p. 286; 1916, pp. 345-519; 1919, p. 218; 1925, p. 282; 1926, p. 313; 1927, p. 353; 1928, p. 382; 1930, p. 306; Index 3, p. 250.
- Geology, Exploration and Mining, British Columbia, Dept. of Mines: 1969, p. 211; 1970, p. 280.
- Bancroft, J.A.; Geology of the Coast and Islands between the Strait of Georgia and Queen Charlotte Sound; Memoir 23, pp. 134-135, Geol. Surv. of Canada, 1913.
- Cairnes, D.D.; The Lime Belt, Quadra (South Valdes) Island; Summary Report, 1913, pp. 69-71, Geol. Surv. of Canada.
- Galloway, J.D.; Lode-Gold Deposits of British Columbia; Bulletin No. 1, p. 141, B.C. Dept. of Mines, 1932.
- Mineral Exploration Review; British Columbia Dept. of Mines: 1984, p. 32.
- George Cross News Letter: 1986, No. 81.

MAP REFERENCES

- Map 65 A, Coast and Islands, (Geol.), Sc. 1":4 miles - accompanying Memoir 23.
- Map 120 A, Quadra Island, (Geol.), Sc. 1":4 miles - accompanying Summary Report, 1913.
- Map 92 K (MI), Bute Inlet, Sc. 1:250,000 - B.C. Dept. of Mines, 1959.
- *Map 92 K/3 W, Quadra Island, (Topo.), Sc. 1:50,000.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

The drilling indicated some 14,000 tons averaging 0.32 oz/t Au, 0.5 oz/t Ag, 2% Cu (George Cross News Letter, 1986, No. 81).

In 1986 Butler Mountain and Roddy Resources Inc formed a joint venture to further explore the property.

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