

NAME OF PROPERTY RAINIER

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 250. Lat. 50°19'30" Long. 127°15'30"

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 Lower Jurassic Bonanza volcanics and Upper Triassic Parson Bay sediments intruded by an igneous stock.

On the north side of Rainier creek there is much grey to white crystalline limestone which is presumably a continuation of the band that passes through Coast Copper and Quatsino Gold ground to the north. On the south side of the stream, argillites, impure limestones, quartzites, and some volcanics are contorted and sheared and cut by numerous dykes. Near the head of the creek there is a small intrusion of granodiorite or diorite and there are also many dykes of similar material. There is a fault of major importance in the bed of Rainier creek, separating the argillites from the limestone to the north.

At 1,950 feet elevation, on the south side of Rainier creek, there occurs a number of small quartz calcite veins, containing rock fragments, chalcopryrite, zinc blende, and pyrite in a shear zone about 12 feet wide in the argillite series. The largest vein exposed was 8 inches wide, but the entire mineralization was quite irregular. The sediments just above the cut strike north 50 degrees east and dip 45 degrees to the southeast.

On the north side of the stream, some distance west of the above showing, a large stripping exposes an irregular replacement of pyrrhotite, pyrite, and chalcopryrite in altered crystalline limestone. The main mineralization, in a zone about 4 feet wide, appeared to strike about north 35 degrees west and dip at a fairly low angle to the southwest.

Associated minerals or products of value - Zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations between 1,900 and 2,500 feet on Rainier Creek, 2 miles west of the Benson River.

In 1929 the property, which included the Big Chief and Elk groups, was held by The Consolidated Mining and Smelting Company of Canada Limited who carried out a little prospecting work.

In 1969 the property, consisting of 48 claims, including the Magnetic, Maynard, Iron, Trout, Blue Ox, and Rainy, was held by A.H. Ainsworth and Quatsino Copper-Gold Mines, Limited. Airborne magnetic, electromagnetic, and radio-activity surveys were flown over a total of 66 line-miles, covering an area of 26,500 by 6,000 feet.

In 1970 Alice Lake Mines Limited held 48 claims, including the Rainy, Blue Ox, Costa, and Rainie Ex. An aeromagnetic survey (30 line-miles) was carried out over the claim group.

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 208; 1970, p. 273.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, p. 60, Geol. Surv. of Canada, 1974.

Gunning, H.C.; Geology and Mineral Deposits of Quatsino-Nimkish Area, Vancouver Island, British Columbia; Summary Report 1929, Pt. A, pp. 134, 135, Geol. Surv. of Canada.

Mineral Development Sector; Corporation Files: "Quatsino Copper-Gold Mines, Limited".

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/6 W, Alice Lake, (Topo.), Sc. 1:50,000.

Map 1737 G, Alice Lake, (Aeromag.), Sc. 1":1 mile.

REMARKS

BCI 922-58

Comp./Rev. By	LJ						
Date	10-75						