

PERTINENT DATA ON NORTH ISLAND MINES PROPERTY

VANCOUVER ISLAND, B. C.

92L/NW

North Island Mines Ltd. owns 139 claims and 3 Crown Granted claims in a geologically favourable belt in the Port Hardy area, Vancouver Island, B. C.

Towards the west end of the property, a small high-grade deposit, called the Caledonia, has been known to exist since the 1920's. It is a skarn type deposit and lies at the contact between Quatsino limestone and granodiorite. It has been trenched and diamond drilled (15 short holes totaling 2,225 feet), and is reported to contain 75,000 tons of ore averaging 20 oz. Ag/ton, 6% Cu, and 4% combined Pb and Zn. Magnetite, pyrite, chalcopyrite, sphalerite, bornite, and tetrahedrite are present. In 1968, drilling 200 feet north of Caledonia showed .5 feet of 4.82 oz. Ag/ton and 3.15% Cu at 40 to 45 feet below the surface. Chalcopyrite, magnetite, and pyrite were found in volcanic rocks (Bonanza?) both above and below limestone. These are very interesting results, but it is not known exactly where this hole was put down or to what depth.

During 1968 and 1969 a geochemical survey covering 26 line miles with a base line of 12,000 feet was conducted on lines 500 feet apart at station intervals of 200 feet. All soil samples were assayed for total Cu. Several anomalous areas have been outlined, and a few have been tested by trenching, small pits, and in some cases, by short diamond drill holes. Results are very encouraging, especially in the area of two brecciated andesitic exposures which contain chalcopyrite, bornite, and arsenopyrite. Copper also occurs as fracture fillings in andesitic flows and as disseminations in well bedded tuffs. One such area 750' x 100' assayed 1.66% Cu over 23 trenches, and two short diamond drill holes showed 100 feet of 0.33% Cu and 25 feet of 0.392% Cu.

There are several geochemical anomalies which should be re-tested and followed up.

Apparently a second derivative geophysical anomaly exists in a heavily covered area southeast of the Caledonia deposit, near the Bonanza volcanic-granodiorite contact. This area should be

explored. No ground geophysical surveys have been carried out on the property.

The North Island Mines property warrants thorough examination.

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