COPPER CENT - Moresby Island

Location:-   The Copper Cent mining claim is located north of Copper Bay Moresby Island. Indicated on topographic maps as lot 2841.

History:-   No information was available in the B. C. Minister of Mines Reports. It is understood the claim was worked years ago, possibly by the Russians and these early workings were said to include a shaft. The writer had been told the showing was visible only at low tide.

Geology & Mineralization:-   The claim is underlain by volcanics mapped by Dr. A. Sutherland Brown as Yakoun agglomerates, and lies within an extensive zone of fracturing and hydrothermal alteration along the west side of the Spit fault. Pyrite mineralization is common for some miles along this fault zone.

Approximately 200 feet north of the Department of Fisheries cabin on the claim there is a zone of brecciated rock striking east and dipping $75^o- 80^o$ south. This zone varies up to four feet in width but in places 'horsetails' out into the country rock. Its average width is probably two feet for a length of 200 feet between low tide mark and the bank of overburden underlying the road and extending up the hill to the west. The zone consists of fractures and separated rock fragments cemented with calcite. The zone is sporadically mineralized with blobs of chalcopyrite and possibly a little bornite.

Other weaker, but similar sub parallel zones occur in the immediate vicinity. Only one of these, about 50 feet south of the main zone, showed copper mineralization. Other fractures in a general north-south direction appear to be barren.

No signs of a shaft were found. The location of a shaft indicated on an old Admiralty chart is probably close to or under the existing road.

Conclusion:- The showings on the Copper Cent claim consist of a narrow vein breccia mineralized with chalcopyrite and cemented with calcite. The vein strikes east into Hecate Strait. Because of the narrow width and irregular nature of the vein, the property does not appear to have economic possibilities.

J. C. Stephen

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