

PRELIMINARY REPORT OF COPPER CLAIM GROUP, KARTA BAY,
PRINCE OF WALES ISLAND, ALASKA
June 19, 1938.

Location and Accessibility:

The Copper Came group of claims is located one and three-fourths miles inland from the beach northwest from the mouth of Pauls Creek on the northwest end of Karta Bay. This bay is accessible to ocean-going vessels to within a short distance of the mouth of Pauls Creek. Thence a trail follows along Pauls Creek to the showings, elevation 140 feet.

Owners:

The group consists of three lode claims held by Walter and Felix Young (Natives) of Kasaan, Alaska.

History:

The discovery on this group was made by Paul Young in 1900. Since that time the property has been held, with the ownership now transferred to the above sons. Very little work has been done on the group and conditions remain almost identical with those mentioned in U. S. G. S. bulletin 692, "Mineral Resources of Alaska, 1917," pp. 86-87. This season some work consisting of cleaning out the old cuts was done.

Showings and Geology:

The showings consist of three cuts across a shear zone on the north bank of the creek on a contact of black argillites and porphyritic greenstone. The argillites strike N. 60° W. The dip was not determined. The shear zone strikes northwest and the dip is nearly vertical.

Showing No. 1 is a wide trench extending from the creek bed into the north bank. Sheared black slates occur over its entire length of 30 feet and numerous fractures were noted filled with calcite and quartz, and containing pyrite, chalcopyrite and copper carbonates.

Showing No. 2 is located 100 feet northwest of cut No. 1 and consists of a trench extending into the north bank for a distance of 100 feet. In a zone 20 feet across in this trench both in the greenstone and slates small seams of chalcopyrite and bornite were noted.

Showing No. 3 is located 250 feet upstream from No. 1 or 150 feet above No. 2. This cut is 40 feet long into the bank and 20 feet wide at the bottom. The shear zone here has a greater width, with numerous calcite and quartz stringers and the largest, 12 inches in width, parallels the formation. Included in these stringers are scattered bunches of chalcopyrite and pyrite.

Mineralization:

The only metallic minerals noted were pyrite and chalcopyrite. Gold values were reported, however, a sample of pieces showing chalcopyrite and pyrite gave nil in gold and silver and 12.70 per cent copper. The gangue minerals are quartz, calcite, other lime minerals and included altered slates and greenstone.

While the sample taken shows a fair copper content, this sample does not represent the copper values across a width on the shear. In fact copper values, judged by the amount in the small calcite and quartz stringers, would run low on a channel sample width.