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U.S. GEOLOGICAL SURVEY
WASHINGTON
JUN 20 1911

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Top Sheet No. *3229*

LOCALITY:

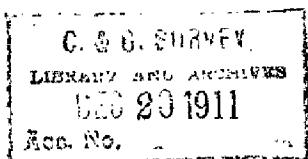
*Mt Andrew Mine - Kasan
Bay*

1901

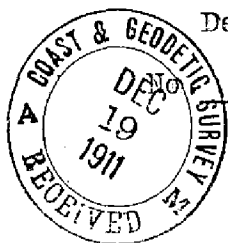
CHIEF OF PARTY:

R. B. Dyer

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Descriptive Report to accompany Topographic Sheet

vicinity of "Mt. Andrew Mine, Kasaan Bay,
S.E. Alaska."

The object of this survey is to furnish a detail chart of the water front and surroundings in the vicinity of Mt. Andrew Mine wharf. There are considerable deposits of low grade copper and iron ore in this locality, which are now being developed by the "Mt. Andrew Iron and Copper Co."

This survey embraces approximately one nautical mile of shoreline, about one third of which extends in an E.S.E. direction from the wharf; and two thirds in a W.S.W. direction. The topography was also extended about one half mile back from the shoreline.

The shoreline was run entirely by traverse. Intersections and check readings were taken whenever possible. The initial set-up was made on the wharf and the work was continued in both directions from this point. Several intersections were taken on the crest of the mountain back of the wharf, and an elevation of 1250 feet was obtained.

The coast is very irregular, consisting of a number of small bays and points, some of which end in rocky ledges. The shoreline is entirely rock bound and some of the bluffs, overhanging the water, are upwards of fifty feet in elevation. The landfall, from the crest of the mountain to the bay, is bold

and regular. The country is very heavily wooded and there are few ravines. There is a power house and several dwelling houses in the small bay near the wharf.

The wharf is approximately 235 meters long, half of which extends over land, and half over the water. A tranway and pneumatic tubes extend from the wharf to the mines. A narrow gauge railway, which is elevated above the main structure of the wharf, extends from the ore bunkers at the inshore end to the outer face of the dock. The face of the wharf is 102 feet long and extends in a S.E. direction. A dolphin is located in line with and about 45 ft from the N.W. end of the wharf. A rod reading was obtained on a sunken rock, which showed same to be 93 ft in an E.S.E. ly direction, from the S.E. corner of the wharf.

Six directions were drawn for purposes of orientation, at station "Wharf" namely: (1) Center of rock bare at low water; (2) L.tang. Skowl Arm; (3) Highest point of a rock; (4) L. tang Long Id.; (5) L.tang.Round Id. and (6) R.tang Round Id. A magnetic meridian was also drawn at station "Last" by use of the declinoire.

Respectfully submitted,

John W. Maupin.

Assistant, C. & G. Survey,

Topographer.

Approved,

R. B. Anderson

Asst., Comdg. Chief of Party.