4163

DESCRIPTIVE REPORT.

Topographic *Sheet No.* **4163**

LOCALITY:

Kuiu Island

~~Port Malmesbury and West Coast of~~

Table Bay to Vic. of Pt. Cosmos

~~Kuiu Island from Point Harris to~~

~~Table Bay~~

1925

CHIEF OF PARTY:

F. B. T. Siems

Descriptive Report to accompany topographic sheet No. 4163

Table Bay to Vicinity of Pt. Harris
Kuiu Island, Southeast Alaska

Surveyed by B. E. Lancaster in 1925

<u>Instructions</u>. dated February   1925.

   <u>General description of coast</u>. Point Harris is the first land fall at the entrance to Port Malmesbury. Here a bare rock twenty five feet high extends one quarter mile out from the tree line. Back of the point the land rises gradually at first then more abruptly to form a peak fifteen hundred feet high. Off of the south side of the point a reef extends in a southerly direction two hundred twenty meters. There is a rock just south of the reef which bares six feet at low water. Another rock about four hundred meters southeast of the point has breakers over it at mid tide. Said rock was located by plane table cuts and sextant angles.

   The next and most prominent land mark is a heavily wooded point about one half mile east of Point Harris. The face of this point is a steep bluff of light gray rock. The land here rises abruptly to form a small knob. There is low land in back of the knob for a short distance then the land rises uniformly to help form the first mentioned peak. For persons navigating some distance northwest of Port Malmesbury, this low peak at the foot of the large one forms a more noticeable land mark than Point Harris.

   The next point inside the entrance to the port, one half mile east, has an irregular reef extending two hundred forty meters off shore. A rock near the southern extremity of said reef projects a few feet above high water. A small bight is formed between this and the next point the northeast shore of which is a vertical cliff about one hundred fifty feet high. A reef extends off the latter point two hundred meters.

   The shore line from this point around the bay is less irregular. Trees grow very close to the high water line and the land rises uniformly to form numerous peaks. The peaks vary in elevation from nine hundred to over twenty-seven hundred feet, and are heavily wooded up to an elevation of two thousand feet. There are several small streams emptying into the bay, the only one of importance is located on the southeast shore or the easterly arm of the port. It is doubtful whether whether or not any power could be developed here, but there is enough water to supply the needs of a small industrial plant.

   The south coast of the entrance to the port is very irregular but there are v very few rocks separated from the low water line. A reef at the southern entrance point extends two hundred meters off shore. From said point the shore line extends in a southerly direction, is very irregular with many rocks lying a short distance off shore. The rocks forming this stretch of coast line rise from ten to fifty feet above high water, and those near the entrance to Table bay are black.

   <u>Methods used</u>. The control for this survey was established by triangulation. The objects and other signals were located by plane table methods.

Approved: Williams
Command Officer.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

4163

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **4163**

State .S. E..Alaska . . . .

General locality . .~~Chatham Strait~~.. Kuiu Island . . . . .

Locality . Table Bay to Vic. of Point ~~Point Crowley to Point Harris~~ Harris . . . .

Chief of party . F..B. T..Siems. . . . .

Surveyed by . .B. E..Lancaster. . . . .

Date of survey .August 14th. to 28th, 1925. . . . .

Scale . 1 : 20,000. . . . .

Heights in feet above M.S.L. . . . .

Contour interval 100 . . feet.

Inked by .B.E.L. . . . . Lettered by .B.E.L. . . . .

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . .

Remarks: