

4664

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: SW Alaska

11-5013

DESCRIPTIVE REPORT.

Topographic Sheet No. B 4664

LOCALITY:

~~Barrow Island~~

~~Ushagot, Nord & Sud Islands~~

Entrance to Cook Inlet

Western Part of Barren Is.

19/31

CHIEF OF PARTY:

H. B. Campbell

4664

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "B".

Barren Islands, Southwest Alaska.

U.S.C.&G.S.S. DISCOVERER

1931

DATE OF DIRECTOR'S INSTRUCTIONS: April 10, 1931.

GENERAL DESCRIPTION: This report and sheet cover the westerly group of the Barren Islands; namely, Ushagat, Nord, Sud and the unnamed islands and rocks south of Ushagat.

They are rugged with precipitous cliffs and rocky, kelp-lined shores for the most part. Landings can be made on the beaches indicated by the sand symbol, and the peaks easily reached from them except where the cliff symbol appears back of the beaches.

These islands are grass covered except on the tops of peaks and where the cliffs are steep. The trees on Ushagat Island are spruce, ranging from about fifty feet high near the lake to three or four feet high near the west end of the island.

There is considerable old driftwood around the larger lake, indicating that the sea had broken over the sand beach at the north sometime in the past.

The low land near the northwest end of Ushagat has several small ponds, and is somewhat soggy during wet weather.

CONTROL USED: Preliminary positions of supplemental stations were computed from the 1906 positions of Station USHAGAT and Station TABLE MOUNTAIN and the 1931 observations. These were used for topography and the projection later shifted 10 meters west to bring the stations into accord with the 1931 computed positions which differed from the 1906 positions in the main scheme.

SURVEY METHODS: Usual topographic methods were used. Traverses were run between triangulation stations and closed well within the allowable limit. Cuts were taken from triangulation stations to whitewashes and prominent objects.

The topography on the west side of Ushagat from @ HOW to @ DRY was done on a separate sheet by L. W. Swanson and I. R. Rubottom. It was transferred to this sheet and checked by overlapping traverses at both ends and cuts to the signals.

STATISTICS: Statute miles of shoreline - - - - 36.3
Square statute miles of area - - - - 12.7

Respectfully submitted,

Francis B. Quinn

Francis B. Quinn,
Jr. H. & G. Engr.

Forwarded, approved:

H. B. Campbell

H. B. Campbell,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4664

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter B

REGISTER NO. 4664

State ~~Southwest~~ Alaska

General locality ~~Barron Islands~~ Entrance to Cook Inlet

Locality ~~Barron Is.~~ Western Part of Barron Is.
~~Ushagat, Ford and Sad Islands~~

Scale 1:20,000 Date of survey July-August, 1931

Vessel U.S.C. & G.S.S. DISCOVERER

Chief of Party H. B. Campbell

Surveyed by L. W. Swanson, I. R. Rubottom, F. B. Quinn

Inked by F. B. Quinn

Heights in feet above HW to ground ~~to tops of trees~~

~~Contour~~ ~~Approximate contour~~ Form line interval 100 feet

Instructions dated April 10, 1931

Remarks: Topography on west side of Ushagat Id., southerly

from @ HOW to @ DRY, was done on a separate sheet by L. W.

Swanson and I. R. Rubottom and transferred to this sheet.

Check cuts were taken on this sheet to all signals in this

section and both ends checked by overlapping traverses.