

4666

U. S. COAST & GEODETIC SURVEY
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Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: SW ALASKA

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. BB 4666

LOCALITY

COOK INLET -- BARREN ISLANDS

SCALE: 1/20,000

DISCOVERER - - AUGUST 1931

1931

CHIEF OF PARTY

H. B. CAMPBELL

U. S. GOVERNMENT PRINTING OFFICE: 1929

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET BB

LOCALITY:

This sheet covers the eastern islands of the Barren Islands group; East and West Amatuli and Sugarloaf Islands.

AUTHORITY:

This survey was made under the Director's instructions dated April 10, 1931.

GENERAL DESCRIPTION:

The islands are bold and precipitious and devoid of trees. They are thickly covered with grass in the depressions and the less precipitious slopes except where rocky outcrops prevent. The tops are bare. The talus from their steep slopes has for the most part made their immediate shore line ragged but for no great distance offshore, less than 100 meters in most cases. There are no indentations of any consequence. Amatuli Cove is exposed to southerly winds which sweep over the low ground to it's southward. The northwest winds also strike it with sufficient force to make it uneasy as an anchorage for small boats in anything but calm weather.

OFFLYING DANGERS:

These are few in number and are as shown and noted on the sheet.

The rock, awash at low-water, lying about one mile north of West Amatuli was not showing at the time the topography was done and was located by the hydrographic party.

METHOD OF SURVEY:

The standard plane table andstadia was used. The special non-distorting metal centered sheet was used and proved very satisfactory.

Two traverses were run, Triangulation Station LOOK to Amatuli light, 2 miles, closing error plus 4 meters, not adjusted; and Seal to Amatuli light, $2\frac{1}{4}$ miles, closing error plus 5 meters, not adjusted. For the remainder, cuts, resection, and three point fixes were used.

ELEVATION:

Several determinations of each point were made and averaged, the maximum difference from the mean being not more than 3 feet in most cases.

STATISTICS:

Statute miles shoreline - - - - - 31

Area (square statute miles) - - - - - 10

*Approved & Forwarded
H. B. Campbell
Comd'g Director.*

Geo. A. Nelson
Geo. A. Nelson,
Jr. H. & G. Engr.,
Topographer.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
4666

TOPOGRAPHIC TITLE SHEET

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

Field No. BB
Aluminum Sheet
REGISTER NO. 4666

State SOUTHWEST ALASKA

General locality ENTRANCE TO COOK INLET

Locality EASTERN PART OF BARREN ISLANDS

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

Vessel DISCOVERER

Chief of Party H. B. CAMPBELL

Surveyed by G. A. N.

Inked by G. A. N.

Heights in feet above M.H.W. to ground to tops of trees

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

Instructions dated April 10, 1931, 1931

Remarks: Notes on rock dangers are referred to mean tide.