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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: SW. Alaska

11-5613

DESCRIPTIVE REPORT.

Top. Sheet No. 4158

LOCALITY:

Alaska Peninsula

Unga Strait: Balboa Bay

Cape Aliaksin

1926

CHIEF OF PARTY:

R. F. Luce

DESCRIPTIVE REPORT

To accompany Topographic Sheet "N" (Unga Straits)

INSTRUCTIONS

This work was called for by the Director's instructions dated March 20, 1925; and was only partly completed during the present season

LIMITS:

This sheet represents that part of the topography of Unga Straits which was executed during the present season, and extends from a point about two-hundred meters north of hydrographic signal Bul (near triangulation station WEST) to triangulation station CLIFF.

CONTROL AND SURVEY METHODS:

All control points were established by third order triangulation by the Steamer PIONEER, 1925.

The shore line and the hydrographic signals were located by plane table traverse between triangulation stations. Throughout the major portion of the work, it was necessary to orient the table by the backsight method. However, all closing errors were within the limits of accuracy required, and all errors were adjusted in the field by distributing the error equally throughout the traverse.

GENERAL DESCRIPTION OF SHORE LINE.

From signal WEST to signal BO, the beach consists of large boulders with a considerable number of submerged rocks near the shore. The hills behind this section are rolling and eroded, and are covered with grass and moss. From Hydrographic signal NO to hydrographic signal GET, the hills are covered with an alder growth, but beyond this point the alders stop and the hills are again smooth and green. The shore line from BO to Flat consists of large boulders with many submerged rocks near the shore. At station FLAT a sheer black rock cliff rises vertically about fifty feet above the high water mark, and extends about six-hundred meters to the westward from FLAT. To the westward of this cliff, the beach is sandy, and is backed by low sand cliffs and dunes which are covered with a sparse growth of grass. At Triangulation station CLIFF, there is a rock bluff about forty-feet high.

LAND MARKS

The black cliff referred to in the preceeding paragraph is very prominent. The only other distinctive landmark is the small but prominent headland upon which signal CLIFF is located. This cliff is of rock, is narrow in extent, is black in color and rises out of a low sand beach.

ANCHORAGES

There are no anchorages within the limits of the work shown.

NEW NAMES

None.

Approved Nov. 10, 1925

SP Ruel
Comdy to Pioneer

Sheet inspected by the Commanding Officer Sept. 15th and 16th.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 4158^N

4158

State Sw Alaska

General locality Alaska Peninsula . . . S. W.

Locality Unga Strait; Balboa Bay; Cape Aliaksin

Chief of party . . R. F. Luce

Surveyed by . . Ralph L. Pfau

Date of survey . September 1925

Scale 1 ; 20,000

Heights in feet above High Water

Contour interval ----- feet.

Inked by . S. B. Grenell Lettered by S. B. Grenell

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, ^{*}Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: approved Nov. 10, 1925

R. F. Luce
Chief of Party