STATE: S.W. Alaska

DESCRIPTIVE REPORT.
Topographic Sheet No. S 4310

LOCALITY:
Prince William Sound
Cape Jukken - Puget Bay

1927

CHIEF OF PARTY:
R. R. Lukens
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: Alabama

DESCRIPTIVE REPORT.
Topographic Sheet No. 4310 Add'l. Work

LOCALITY:
Prince William Sound

Cape Junken to June Fairfield

1920

CHIEF OF PARTY:
J. H. Johnson
Cape Junken.
Descriptive Report to Accompany Topographic Field Sheet No. S

R. R. Lukens, Chief of Party

Instruction dated February 3rd, 1927, issued to the Commanding Officer, Str. SURVEYOR.

Limits and extents: - This sheet covers the shoreline from Cape Junken to a point 2.8 miles along the west shore of Puget Bay. A satisfactory junction was made with topo. field sheet no. "K".

General Description of the Coast: - The shoreline on this sheet is steep and rocky. There are many boulders and rocks swash, at low water, close to and along the shoreline. There is a prominent slide at O'Beile.

Survey Methods: - The survey is controlled by triangulation stations Shelf, Start, Cape and Puget. A Puget is an old station recovered as described.

Respectfully submitted,

Augustus P. Ratti
H & G Eng. C & G Survey
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 8

REGISTER NO. 4310

State: S.W. Alaska

General locality: Prince William Sound

Locality: Cape Junken - Puget Bay

Scale 1:20,000 Date of survey: August, 1927

Vessel: Str. SURVEYOR

Chief of Party: R. R. Lukens

Surveyed by: A. P. Betti

Inked by: A. P. Betti

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval: feet

Instructions dated: February 3rd, 1927

Remarks: Junction with field sheet # "K"

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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET # 4810

CAPE FAIRFIELD to PUGET BAY, PRINCE WILLIAM SOUND

SOUTHWEST ALASKA

Directors Instructions dated February 10, 1928.

EXTENT: This survey was continued from the work of the 1926 season and extends from topographic station Low at Cape Junken to triangulation station Foot at Cape Fairfield.

GENERAL DESCRIPTION: The shoreline of Cape Junken is steep and rocky with a few rocks swash close to shore. From topographic station End to topographic station Point the shoreline is low and sandy and supports a heavy growth of spruce trees. A small stream flows into the bay at the east end of this sand beach. From topographic station Point to topographic station Foot the shoreline again becomes steep and rocky. The head of Johnstone Bay is a flat sandy beach and about one half mile inland is Excelsior Glacier. The west side of Johnstone Bay is steep and rocky and there are numerous landslides.

The slopes back of the shore are covered with a scattering growth of spruce trees but the peaks are bare and rocky.

INSHORE DANGERS: A rock bare at low water lies about 100 meters 195° true from signal Low. Another rock which bares 5 feet at low water lies about 200 meters 240° true from Low. A rock bare at extreme low water lies about 350 meters 350° true from Up. Another rock bare at low water is about 160 meters 350° true from Spot. A rock which bares at low water lies about 65 meters 180° true from Spot. This rock was located by a rod reading from signal Spot. A rock which is swash at high water lies about 290 meters 240° true from Point. A rock just bare at high water lies about 110 meters 160° true from Ken. A rock swash at mean lower low water lies about 250 meters 360° true from Foot.

SURVEY METHODS: The survey was accomplished by the usual plane table methods. A traverse was started from the remains of the whitewash at station Low and ran to triangulation station Foot with a closing error of 10 meters which was adjusted.

Elevations were obtained by plane table cuts and vertical angles. Form lines along the shore were sketched as the traverse proceeded along the coast and those farther inland were sketched from the ship. Dotted form lines are estimated.
No magnetic meridian is shown on this sheet because the plane table was not set up at any of the triangulation stations.

LANDMARKS: The only landmarks on this sheet are triangulation station Foot and topographic station Ken. Foot is a large rock pinnacle 126 feet high lying off Cape Fairfield. Ken is a small rocky islet 35 feet high lying about 450 meters off the coast on the east side of Johnstone Bay.

SHORELINE: 10.9 Statute miles.

Respectfully submitted:

[Signature]
Topographer.

Approved and forwarded:

[Signature]
R. R. Lukens,
Chief of Party.

Note: Due to the broken and irregular formation of this coast and the fact that very little of the back country is visible from the beach, much difficulty was experienced in drawing the form lines. The plane table work was supplemented by sketch work from the ship at various places along the coast. The traverse from Low to Foot closed within 15 meters. It is a difficult beach to traverse, but fortunately, extremely smooth weather was enjoyed when the work was done.

This section of the coast is barren of any human activities and is not likely to become important for the coast is backed by a high range of mountains with no pass through to the coast, and great ice field in the interior.

A.R. L.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. ____________________________

REGISTER NO. 4310 Add'l Wk.

State: S. W. Alaska

General locality: Prince William Sound

Cape Junken

Locality: West Bay to Cape Fairfield

Scale: 1:20,000 Date of survey: June 1928

Vessel: SURVEYOR

Chief of Party: R. R. Lukens

Surveyed by: J. C. Partington

Inked by: J. C. Partington

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

Contour: Approximate contour Form line interval: 100 feet

Instructions dated: February 18, 1928

Remarks: ________________________________

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