

4310

Form 504

U. S. A.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY NO.

State: ~~S. W.~~ Alaska

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. S. 4310

LOCALITY:

Prince William Sound

Cape Junken - Puget Bay

1927

CHIEF OF PARTY:

R. R. Lukens

4310 Add'l. Work

Form 504  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: Alaska

11-5813

DESCRIPTIVE REPORT.

Topographic Sheet No. 4310 Add'l. Wk.

LOCALITY:

Prince William Sound

Cape Junken

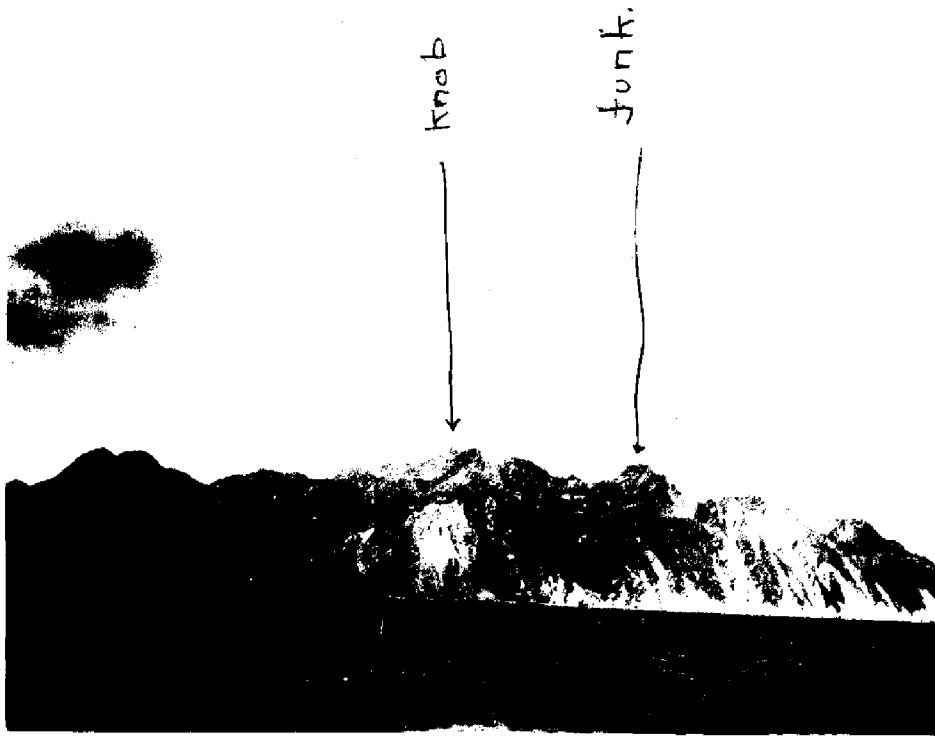
~~Cape Fox~~ to Cape Fairfield

1920

CHIEF OF PARTY:

E. A. Lillens

4310 Add'l. Work



Cape Junken.

Descriptive Report to Accompany Topographic Field  
Sheet No. S

R. R. Lukens, Chief of P arty

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 awash,  
at low water, close to and along the shoreline.

There is a prominent slide at ~~OBell~~.

Survey Methods:- The survey is controlled by triangulation  
stations Shelf, Start, Cape and Puget.  $\Delta$  Puget is an old station re-  
covered as described.

Respectfully submitted,

*Approved  
R. R. Lukens*

*Augustus P. Ratti*

Augustus P. Ratti  
H & G Eng. C & G Survey

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY  
L. & A.  
JAN 24 1928  
Acc. No.

REG. NO.

4310

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.

4310

Field No. S

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, 192 7

Vessel Str. SURVEYOR

Chief of Party R. R. Lukens

Surveyed by A. P. Ratti

Inked by A. P. Ratti

Heights in feet above - to ground to tops of trees

Contour, Approximate contour, Form line interval - feet

Instructions dated February 3rd, 192 7

Remarks: Junction with field sheet # "K"

# DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET # 4310

CAPE FAIRFIELD to PUGET BAY, PRINCE WILLIAM SOUND

SOUTHWEST ALASKA

Directors Instructions dated February 18, 1928.

EXTENT: This survey was continued from the work of the 1927 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 awash 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 Fus 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 185° true from signal Low. Another rock which bares 5 feet at lower low water lies about 780 meters 270° true from Low. A rock bare at extreme low water lies about 230 meters 180° true from Up. Another rock bare at low water is about 150 meters 355° true from Spot. A rock which bares at low water lies about 85 meters 185° true from Rat. This rock was located by a rod reading from signal Tsn. A rock which is awash at high water lies about 290 meters 240° true from Point. A rock just bare at high water lies about 110 meters 180° true from Ken. A rock awash at mean lower low water lies about 250 meters 60° 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.

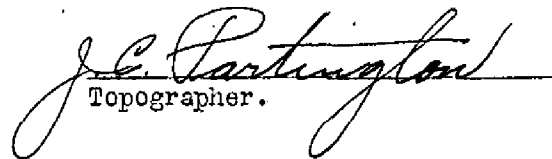
Elevations were obtained by plane table cuts and vertical angles. Form lines along the shore were sketched as the traverse proceeded along the coast and those farther inland were sketched from the ship. Dotted form lines are estimated.

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 430 meters off the coast on the east side of Johnstone Bay.

SHORELINE: 10.9 Statute miles.

Respectfully submitted:

  
Topographer.

Approved and forwarded:

  
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. p. l.*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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Field No. \_\_\_\_\_

REGISTER NO. **4310 Add'l Wk.**

State S. W. Alaska

General locality Prince William Sound

Locality Cape Junken  
Puget Bay to Cape Fairfield

Scale 1:20,000 Date of survey June, 192 8.

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~~

~~Contours~~ ~~Approximate contours~~ Form line interval 100 feet

Instructions dated February 18, 192 8.

Remarks: \_\_\_\_\_

REG. NO. 4310 Add'l Wk.