applied to New Compilation of Chart 6235 12/24/35 Char. A. Bush Jr.
DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "E"
MOUTH OF TAKU INLET, S. E. ALASKA.

AUTHORITY: Director's instructions of
February 19, 1929. E. W. Eickelberg, Chief of Party.

EXTENT: This sheet includes a survey of
the shoreline and location of signals on the west side of the
mouth of Taku Inlet from Bishop Point, Latitude 58° 12' and
Longitude 134° 10', to Cooper Point, Latitude 58° 14' and Longi-
tude 134° 06', and the east side of the same inlet from Latiti-
tude 58° 12' and Longitude 134° 05', to Circle Point, Latitude
58° 08' and Longitude 134° 05'.

The survey was made for the pur-
pose of determining the most practicable location for a cable
crossing between Bishop Point and the east entrance point to
Taku Inlet. Only shoreline and signals were located.

GENERAL DESCRIPTION: The shoreline shown on this sheet
is composed of rocky bluffs which rise abruptly from the water's
edge. The high and low water lines are practically the same
except for the short stretch of shoreline in the vicinity of
station LAST and the low water line shown at the mouth of Slocum
Inlet. The heights of the bluffs range from 10 feet to about
60 feet. The area back of the shoreline is heavily wooded, being
covered mostly with spruce trees which grow down to the water's
edge all along the shore.

SURVEY METHODS: The nine triangulation stations
shown furnished control for this survey. All of these stations
were built and located by the party of Lieutenant W. M. Scaife,
except triangulation station CIRCLE, which was recovered and
rebuilt by Lieutenant (j.g.) J. C. Partington.

The topography was accomplished
by the usual plane table methods and all the work was done in
accordance with the Topographic Manual, Special Publication
No. 144.

A traverse was run from triangu-
lation station BISHOP to topographic station LAST, and closed
back to BISHOP with an error of two meters which was adjusted.

A traverse was run from triangu-
lation station HARD to triangulation station ODD2 with an error
of three meters which was adjusted.
The shoreline north of triangulation station MAN2 was located by a traverse and checked back to MAN2 with no error, so that no adjustment was necessary. The traverse from TAP2 to SLOCUM was closed with an error of 2 meters which was adjusted.

A traverse was run from SLOCUM to CIRCLE closing with an error of 3 meters which was adjusted.

All traverses were run by sighting on the turning points ahead and orienting by back-sighting on the previous turning point.

Magnetic declination with declinometer No. 110, was observed at triangulation stations HARD and SLOCUM. The index correction for this declinometer was found to be plus $0^\circ 10.8'$ from comparison with declinometer No. 12 at station FAST, topographic sheet "F", and station DEVIL, topographic sheet "G".

No form lines or elevations were determined because it was not considered necessary in connection with the purpose of this survey.

Miles of shoreline = 11.8.

Respectfully submitted,

[Signature]
Topographer.

Approved and forwarded,

[Signature]
Chief of Party.
STATISTICS TO ACCOMPANY TOPOGRAPHIC SHEET "E"

TAKU INLET, S. E. ALASKA

Area surveyed in square statute miles............. = 0.0
Length of detailed shoreline in statute miles... = 11.8
Length of shoreline of rivers in statute miles.. = 0.0
Length of shoreline of creeks in statute miles.. = 0.0
Length of shoreline of ponds in statute miles... = 0.0
Length of roads in statute miles.................. = 0.0

Scale of Sheet "E" = 1:10,000
The purpose of this sheet was to furnish control for the hydrographic examination of several selected locations for a landing place of a submarine power cable. No contours and other details unnecessary for the purpose of the survey were done.

No data of previous surveys was on hand so that comparisons for disagreement could not be made.

It is noted however, that the declinatoire reading at triangulation station SLOCUM 1917, is 5 degrees different from that at triangulation station HARD. This was not noted by the survey party before it left Juneau and no verification thereof was made.

E. W. Eickelberg,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.
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. "E"

REGISTER NO. 4487

State. Alaska

General locality. Taku Inlet

Locality. North of Taku Inlet

Scale 1:10,000 Date of survey July 1929

Vessel U.S.C. & G.S.S. Explorer

Chief of Party. E.W. Eickelberg

Surveyed by. J.O. Partington

Inked by. J.O. Partington

Heights in feet above to ground to tops of trees

Contour. Approximate contour, Form line interval

Instructions dated. February 19, 1929

Remarks: 

G.F.O.
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