Type of Survey: TOPOGRAPHIC
Field No.: "C", 44
Office No.: T6975

LOCALITY
State: ALASKA - Aleutian Islands
General locality: ANCHORAGE ISLANDS
Locality: SOUTH SHORE TANAGA BAY

1944
CHIEF OF PARTY
L. C. WILDER

LIBRARY & ARCHIVES
FEB 2 1945
DATE: DECEMBER 15, 1944
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: "0"-44

REGISTER NO.

State: Alaska - Aleutian Islands

General Locality: Andreanof Islands

Locality: South shore Tanaga Bay

Scale: 1:10,000

Date of survey: July - September, 1944

Vessel: DERICKSON

Chief of party: L. C. Wilder

Surveyed by: E. B. Brown & L. G. Taylor

Inked by: E. B. Brown & L. G. Taylor

Heights in feet above high water to ground - top of trees

Contour, Approximate contour, Form line interval ______ feet

Instructions dated: Revised 4/16/43; Supplemental 2/1, 1944

Remarks: Graphic Control

COM 17 Project A

GFO 205852
INSTRUCTIONS:


SURVEY METHODS:

The control is a scheme of third order triangulation. Standard topographic methods were used in location of topographic stations. From FACE, 1944 to DOG 1943, stations were located by topographic cuts; where necessary cuts were supplemented by stadia distances (by E. B. Brown). From DOG, 1943 to ZED, 1943, a stadia traverse was run (by L. G. Taylor). The closing error of this traverse was 4 meters. The error was adjusted.

DESCRIPTION OF COAST:

The shore line is rocky backed by grassy hills about 200 feet elevation. In general there are numerous offlying rocks and thick kelp to distances as great as ½ mile off shore. Under usual weather conditions, small boat landings may be made almost anywhere on this shore by following the small openings between the rocks.

LANDMARKS ARE RECOMMENDED FOR INSHORE CHARTS AS FOLLOWS:

<table>
<thead>
<tr>
<th>Landmark</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Depth</th>
<th>Chart Letter</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHACK, North Gable</td>
<td>51° 42' 178 02</td>
<td>222m (1632) 245 (907)</td>
<td>N W</td>
<td></td>
</tr>
<tr>
<td>Water fall</td>
<td>51 42 178 01</td>
<td>582 (1272) 792 (360)</td>
<td>N W</td>
<td></td>
</tr>
<tr>
<td>Water fall</td>
<td>51 42 178 01</td>
<td>843 (1011) 434 (718)</td>
<td>N W</td>
<td></td>
</tr>
</tbody>
</table>

DISCREPANCIES:

None. The signals that were located by hydrography during the field season 1943 by the USCGC EXPLORER and USCGC MV PATTON were relocated. The topographic locations should supersede the hydrographic locations.
"Magnetic meridians" were drawn with the declinometer as follows:

<table>
<thead>
<tr>
<th>Station</th>
<th>Time</th>
<th>Date</th>
<th>Declination</th>
<th>Instrument Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EB</td>
<td>1420</td>
<td>7/18/44</td>
<td>08° 12' E</td>
<td>175</td>
</tr>
<tr>
<td>DAY</td>
<td>1600</td>
<td>7/18/44</td>
<td>05 36 E</td>
<td>175</td>
</tr>
<tr>
<td>INK</td>
<td>0930</td>
<td>8/26/44</td>
<td>07 55 E</td>
<td>224</td>
</tr>
<tr>
<td>ZED, 1943</td>
<td>1030</td>
<td>9/22/44</td>
<td>08 47 E</td>
<td>224</td>
</tr>
</tbody>
</table>

Scaled by E.B.B.
Checked by E.E.J.

Submitted December 15, 1944.

Edward B. Brown, Jr.,

Approved and forwarded:

L. G. Wilder,
DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

Aleutian Islands; Tanaga Island; South Shore of Tanaga Bay
Surveyed in July - Sept. 1944
Scale 1:10,000
Project CS-216

REGISTRY NO. 6975
FIELD NO. DE-C-44

Graphic Control

Chief of Party - L. C. Wilder
Surveyed by - E. B. Brown; L. G. Taylor
Inked by - E. B. Brown; L. G. Taylor; J. A. McCormick
Reviewed by - J. A. McCormick
Inspected by - H. W. Murray, Oct. 12, 1945

Aluminum Mounted

1. General Statement

Field work on this survey is classified as graphic control. Some
shoreline and rock detail were located by rod and intersection; the
remainder was left for office interpretation from photographs.
Five-lens photographs flown by the U. S. Navy in 1934 were the only
ones available. They were not satisfactory but radial plots were
made and shoreline drawn as best it could be. The reviewer adjusted
the resulting correction sheets CS-312 and CS-313 to the graphic
control, in some cases resorting to plain ordinary sketching.

2. Adjoining Surveys

Photo shoreline at the eastern end of the present survey has been
made to agree with T-6974a (1944). At the western end of the survey,
photo shoreline has been continued on correction sheets CS-312 and
CS-313.

3. Previous Surveys

This Bureau had not previously surveyed any part of this area.

4. Comparison with Chart 9146 (Print of March 31, 1945)

Topography now charted in this area is partly from the present survey
as originally received in the office and partly from B.P. 39016, ad-
vance sketch submitted by the field party. Differences between chart
and survey are not critical but should be eliminated by application
to the chart of the survey in its present form.
5. Compliance with Project Instructions

Instructions for these Aleutian projects state whether or not photographs are available but leave the decision as to their use to the Chief of Party. In the present instance, the photographs were not satisfactory and the area should have been surveyed entirely by planestable.

6. Additional Field Work Recommended

Immediate resurvey of the area is not essential. It is probable that any resurvey will be accomplished by photogrammetric methods with new photos. In such case, the reviewer wishes to stress the need for adequate field inspection.

Examined and approved:

[Signatures]

Robert Wilson
Chief, Nautical Chart Branch

Earl O. Hearn
Chief, Section of Hydrography

[Signatures]

Chief, Chart Division

Chief, Division of Coastal Surveys
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aleutian Islands</td>
<td>(for title)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Tanaga Island</td>
<td></td>
<td>615°</td>
<td>772'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U.S.G.</td>
<td>2</td>
</tr>
<tr>
<td>Tanaga Bay</td>
<td></td>
<td>615°</td>
<td>780</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kulak Point</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: Unillustrated in this example.