**FORM 504**

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>TOPOGRAPHIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>PA-D-47</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-7045</td>
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</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Southeastern Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Sitka Sound</td>
</tr>
<tr>
<td>Locality</td>
<td>Pirate Cove to Deep Inlet</td>
</tr>
</tbody>
</table>

1947

CHIEF OF PARTY

Glendon E. Boothe

**LIBRARY & ARCHIVES**

DATE  

APR 30 1948
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...PA-D-47........

REGISTER NO. T-7045

State ____________________________ Southeastern Alaska ____________________________

General Locality ____________ Sitka Sound ____________________________

Locality ____________________________ Pirate Cove to Deep Inlet ____________________________

Scale 1:10,000 Date of survey May & July, 1947

Vessel ____________________________ USCGS PATTON ____________________________

Chief of party ________________ Glenon E. Boothe ____________________________

Surveyed by ____________________________ Arthur L. Wardwell ____________________________

Inked by ____________________________ Arthur L. Wardwell ____________________________

Heights in feet above MSL to ground to tops of trees

Contour, Approximate contour, Form line interval __________ feet

Instructions dated ________________ 14 April, 1947 ____________________________

Remarks: ____________________________ Project CS-247 ____________________________

290835
AUTHORITY

The surveys were made in accordance with Revised Instructions of 14 April 1947, Project CS-247.

PURPOSE

The purpose of the survey is to locate signals for control of the inshore hydrography, and to supplement the field inspection of air photographs of this area.

CONTROL

Existing triangulation stations were used except at the entrance to Deep Inlet, where new triangulation stations were established in 1947.

SURVEY METHODS

Standard topographic surveying methods were used to locate signals and features.

SHORELINE

In accordance with Revised Instructions, a short section of shoreline was rodied in at the planetable set-ups where it was practical to do so. Actual high water line rod readings are indicated by black dots in broken shoreline. Rocks and reefs were located by rod readings and by intersection of cuts. Heights were noted at time of location and reduced to the M.L.L.W. datum from predicted tides.
COMPARISON WITH PREVIOUS SURVEYS

The area is covered by Sheet T-21h9, 1893, scale 1:20,000. The small amount of shoreline on T-70h5 does not agree well with T-21h9. Rocks and reefs awash agree satisfactorily with the exception of the reef shown on T-21h9 at the entrance to Deep Inlet, (Lat. 56° 59.17, Long. 135° 18.28'). This really is a sunken reef. It was located on hydrographic Sheet H-719L (PA-1347) by the hydrographic party and a least depth of 0.8 fathom at MLLW was obtained at a time when the bottom was visible. (Pos. 7ca)

This area is covered also by air photographic compilation Sheet T-6h82” which was compiled in advance of field inspection of air photographs. A comparison shows that this sheet agrees quite well with the small amount of shoreline on T-70h5.

GEOGRAPHIC NAMES

The only new geographic name on this sheet is Samsing Cove, a well established local name for the small cove just east of Pirate Cove used as an anchorage for small fishing and pleasure craft.

Approved and Forwarded:

Glendon E. Boothe
Lt. Comdr. USCGS
Cmdg., Ship PATTON

Submitted by

Arthur L. Wardwell
Lieut., USCGS

This graphic control survey has been compared with contemporary hydrographic survey H-719L. No further revision is necessary at this time. This survey has been superseded by T-8483 (1947).

D.A. Dinmont
7 Oct. 1954
# Nautical Charts Branch

Survey No. 7045

Record of Application to Charts

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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</thead>
<tbody>
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<td>5/14/48</td>
<td>8255</td>
<td>LA McLain</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examined, Not Applied at This Time.</td>
</tr>
<tr>
<td></td>
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<td>Before After Verification and Review</td>
</tr>
<tr>
<td>8/16/49</td>
<td>8244</td>
<td>FL McLenan</td>
<td>Before After Verification and Review</td>
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<td>No correction.</td>
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.