DESCRIPTIVE REPORT

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

6193

Topographic
Hydrographic

State
Georgia

LOCALITY
Wassaw Sound and approaches
Tybee Island to Wassaw Island

1934

CHIEF OF PARTY
C. A. Egner, A.
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. M

REGISTER NO. 6193

State GEORGIA

General locality WASSAW SOUND

Locality Tybee Island to Wassaw Island

Approaches

Scale 1/20,000 Date of survey MAY--JUNE 1934

Vessel FIELD PARTY #25

Chief of party C. A. EGNER

Surveyed by S. E. GHEICUS

Inked by G. FORTUNE

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval... feet

Instructions dated DECEMBER 5, 1933

Remarks: THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC CONTROL ONLY.

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DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET M
PARTY NO. 29
C. A. EGNER, CHIEF OF PARTY
REPORT TO ACCOMPANY TOPOGRAPHIC SHEET M

INSTRUCTIONS:

Dated December 5, 1933 for combined operations for Party #23.

LOCALITY:

This sheet covers Wassaw Sound and approaches, joining sheets A', B' on the north, K on the N.W., G in Wilmington R., and E on the S. W.

PURPOSE:

To provide control for hydrography of Wassaw Sound and approaches, and to locate shoreline at representative places for the control of aerial photography, and to provide recoverable points for future revision work.

SCALE:

Due to the fact that Wassaw Sound is too broad to be covered properly by a Bristol board sheet on a scale of 1/10,000, the projection of this sheet was made 1/20,000. This not only covered the main body of the sound but made possible the location of signals on adjacent sections.

INSTRUMENTS:

All work was done with a standard plane-table outfit.
METHODS:

Since there had been several triangulation stations established throughout this area no additional control was laid down. Numerous signals of a size large enough to be seen some distance were built over the area, the idea being that of having a few large signals in place of a multitude of small ones thus cutting down the labor of building and location and at the same time providing greater accuracy and simplicity in the hydrography. To further this idea, these large signals, were whenever possible, built in a straight line starting from a triangulation station and extending across the flat marsh for miles. This idea is quite apparent in several cases and later proved its worth, besides insuring greater accuracy in their location by intersection. Shoreline was rodded in at numerous setups at controlling points throughout the area.

MARKING OF STATIONS:

Numerous of these signals were marked for future recovery by means of 4"x 4" cypress posts sunk down in the marsh or shell banks, leaving about 18" protruding. As cypress does not weather greatly in salt water these should remain for years.

RECOVERABLE STATIONS:

In addition to those noted above, the numerous triangulation stations should provide adequate control for future revision surveys.

LANDMARKS:

There are no landmarks within the confines of this sheet worthy of charting.

GEOGRAPHIC NAMES:

Those charted have been retained, though Tybee Creek is locally (and generally) known as Bull River.
MAGNETIC MERIDIAN:

Taken at

CHANGES SINCE PREVIOUS SURVEYS:

Since this area has never been surveyed by aerial photography and is therefore being done with a great deal more accuracy than could be done in the past it is difficult to make a direct comparison.

LIST OF RECOVERABLE TOPO STATIONS:

Appended hereto is a list of those signals located by intersection which have been marked for recovery later.

\[\text{Signature}\]

Respectfully submitted,

Approved and forwarded.

\[\text{Signature}\]
<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude °</th>
<th>Latitude ′</th>
<th>Longitude °</th>
<th>Longitude ′</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>Aft</td>
<td>31-55 (870)</td>
<td>81-01 (1336)</td>
<td>240</td>
<td>4′</td>
<td>4′</td>
</tr>
<tr>
<td></td>
<td>141</td>
<td>1527</td>
<td>4′</td>
<td>4′</td>
<td>8′</td>
</tr>
<tr>
<td>Prop</td>
<td>31-57 (1707)</td>
<td>80-58 (49)</td>
<td>745</td>
<td>1460</td>
<td>4′</td>
</tr>
<tr>
<td>Mal</td>
<td>31-57 (1105)</td>
<td>80-56 (95)</td>
<td>1089</td>
<td>229</td>
<td>4′</td>
</tr>
<tr>
<td>Kim</td>
<td>31-57 (759)</td>
<td>80-58 (1347)</td>
<td>4′</td>
<td>4′</td>
<td>8′</td>
</tr>
<tr>
<td>Lit</td>
<td>31-59 (1229)</td>
<td>80-55 (625)</td>
<td>632</td>
<td>1464</td>
<td>4′</td>
</tr>
<tr>
<td>Big</td>
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<td>80-54 (91)</td>
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<td>1112</td>
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<tr>
<td>Tall</td>
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<td>80-53 (463)</td>
<td>973</td>
<td>466</td>
<td>4′</td>
</tr>
<tr>
<td>Lar</td>
<td>32-00 (875)</td>
<td>80-55 (1106)</td>
<td>1434</td>
<td>1327</td>
<td>4′</td>
</tr>
<tr>
<td>Mid</td>
<td>32-01 (414)</td>
<td>80-56 (246)</td>
<td>49</td>
<td>337</td>
<td>4′</td>
</tr>
</tbody>
</table>
Review of T 6193.

This survey has been examined in connection with the review of an air photo compilation T 5113. Refer to Compilation and report T 5113 for complete detail and discussion of this area. Shown on this survey T 6193 is erroneous due to poor sketching and interpretation. In T 5113 for correct location. The original projections on which field work was done on this survey were correct, but large errors were made in linking northern 80°-85° and parallel 31°-35°. Correct lines have been linked in green and the green lines should be used for all plotting or drafting from T 6193.

L. C. Landy