DESCRIPTIVE REPORT
Topographic Sheet No. K. 6161a

State Georgia

LOCALITY
Altamaha Sound
Darlen River

1934

CHIEF OF PARTY
J.A. Bond
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. K

REGISTER NO. 61612

State Georgia

General locality Altamaha Sound

Locality Darien River

Scale 1/10,000 Date of survey Feb. 5, 1934

Vessel MIKAWE

Chief of party J. A. Bond

Surveyed by D. M. Watt

Inked by

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated Dec. 5, 1934

Remarks

...
DESCRIPTIVE REPORT

To Accompany Topographic Sheets
C. G. J. & K.

St. Simon Sound to Doboy Sound, Ga.

PROJECT NO. HT-167

INSTRUCTIONS

Work on these sheets was executed in accordance with Director's instructions dated December 5, 1933, to Commanding Officer, Launch MIKANE.

PURPOSE

These sheets were executed for the purpose of locating signals for hydrographic control, aids to navigation not previously located by triangulation and to furnish supplemental data for the reduction of air photos. Shoreline for use on boat-sheets was sketched in the field.

SCOPE

Sheet C. includes the shoreline of Brunswick River from Longitude 81° 29' to St. Simon Sound. This sheet joins Sheet B. on the west and Sheet D. on the north.

Sheet G. covers Buttermilk Sound and part of Altamaha River, joining Sheet H. on the east Sheet F. on the south, Sheet J. on the west and Sheet K. on the north.

Sheet J. covers South Altamaha River, a portion of Altamaha River and the Darien waterfront on Darien River. This sheet joins Sheet G. and K. on the east.

Sheet K. covers the Darien and Cockedunky Rivers. This sheet joins Sheet J. on the west and Sheets L. and M. on the east.

CONTROL

Existing triangulation was used for control.

METHOD OF SURVEY

Signals for hydrography were located by graphic triangulation from triangulation stations. Positions determined by three point fixes were used, when triangulation stations were not conveniently located. Short stretches of shore line were rodded in to aid in aero-photography reduction.

On Sheet J. a traverse was run through South Altamaha River for control and adjusted in field. The Darien Harbor was rodded in on this sheet.
DESCRIPTION

With the exception of a short stretch of high ground along Darien waterfront all the shoreline is marshy with grass 3 to 7 feet high.

RECOVERABLE TOPOGRAPHIC STATIONS

Marked topographic stations located on this sheet are listed in accompanying table and separate descriptions for each furnished on Form 524.

Respectfully submitted:

D.M. Watt
Surveyor, C. & G. S.

Approved & Forwarded

John A. Bond
R. & G. Engineer
Chief of Party
**RECOVERABLE TOPOGRAPHIC STATIONS**

**Sheet C.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude ° ' Meters</th>
<th>Longitude ° ' Meters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glu</td>
<td>31 07 538</td>
<td>51 54 118</td>
<td>N.W. corner of wooden bulkhead at landing</td>
</tr>
</tbody>
</table>

**Sheet J.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude ° ' Meters</th>
<th>Longitude ° ' Meters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>31 19 1350</td>
<td>61 26 1370</td>
<td>Center light on Altamaha River Swing Bridge. 4th cypress post</td>
</tr>
<tr>
<td>Sis</td>
<td>31 20 543</td>
<td>61 24 849</td>
<td>4th cypress post</td>
</tr>
<tr>
<td>Fag</td>
<td>31 18 496</td>
<td>61 25 139</td>
<td>4th cypress post</td>
</tr>
<tr>
<td>Chy</td>
<td>31 19 878</td>
<td>61 25 68</td>
<td>North white chimney large brown house. South white chimney large brown house.</td>
</tr>
<tr>
<td>Vex</td>
<td>31 19 869</td>
<td>61 25 67</td>
<td>4th cypress post</td>
</tr>
</tbody>
</table>

**Sheet K.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude ° ' Meters</th>
<th>Longitude ° ' Meters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>31 20 1459</td>
<td>61 25 82</td>
<td>4th cypress post</td>
</tr>
<tr>
<td>Gm</td>
<td>31 21 1128</td>
<td>61 21 347</td>
<td>4th cypress post</td>
</tr>
<tr>
<td>Vex</td>
<td>31 22 1004</td>
<td>61 21 585</td>
<td>4th cypress post</td>
</tr>
</tbody>
</table>
1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5/22, , , with particular attention to the following details:

- (a) Projection has been checked in the Field.
- (b) Accuracy of location of plane table control points. 
- (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5/22, , , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

S. C. Landis
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. U

REGISTER NO. 6161b

State. Georgia

General locality. St. Simon Island

Locality. Front Beach, St. Simon Island

Scale. 1/10,000 Date of survey. November, 1934

Vessel. Party No. 23

Chief of party. C. A. Egner

Surveyed by. C. R. Dietz

Inked by. J. G. Patterson

Heights in feet above ground to tops of trees

Contour, Approximate contour. Form line interval feet

Instructions dated. December 5, 1935

Remarks. This sheet for topographic and hydrographic control only
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET U'

Project: F.P. #4
Party: No. 23
Year: 1934
State: Georgia

General Locality: St. Simons Sound
Locality: Front beach - St. Simons Sound
Adjoins sheets: DM, W'
Sheet on reverse: KM
Scale: 1/10,000

Datum: N. A. 1927
Chief of Party: C. A. Egner
Topographer: G. R. Deitz

Date of Instructions: Dec. 4, 1933
Inked by: J. G. Patterson
INSTRUMENTS USED:

The usual plane-table outfit was used. The peak of the south gable of Arnold House was located by plane-table traverse originating on triangulation station ST. SIMONS Lighthouse 1872 and tying back into same station.

PURPOSE OF SURVEY:

To locate Arnold house for the use of the U. S. Lighthouse Service as a right object in location of buoys in outer St. Simons Sound by means of sextant fixes.

LANDMARKS:

This will be a permanent landmark and is listed on attached Form 567 and further described on attached Form 524.

RECOVERABLE STATIONS:

Station is permanent.

GEOGRAPHIC NAMES:

The name Arnold House is accepted and used by everyone in this locality.

MISCCELlANEOUS:

This sheet was for the location of the Arnold House by request of Superintendent Beck of the U.S. Lighthouse Service in Charleston, S. C.

Respectfully submitted,

G. R. Dietz

Approved and forwarded;

C. A. Egner, Chief of Party

Position of building
formally as "Landmark"
by Chart Office was deleted
from this report
and
explained to Chart Office.
REVIEW OF T-61616

This plane table survey has been examined in connection with the revision of Air Photo Compilation T-5224. There are numerous errors in the plane table projection:

1. Several lines are out of position 1 to 3 meters.

2. Parallel 31°07' at 25 ft. 81°23' to 24' is too far north 3 to 6 meters.

3. Meridian 81°21' is too far east 1 to 5 meters at Parallel 31°09' to 31°10'.

4. The center meridian is slightly off from true perpendicular to parallel varying from 2 to 4 m.p. Since the control stations all check out or close to the setback projection no corrections have been made.

M.Crook

4-25-35

B.G. Jones