

6161a

U. S. COAST & GEODETIC SURVEY
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JAN 21 1935

Acc. No. _____

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

DESCRIPTIVE REPORT

Topographic } Sheet No. K 6161a
~~Hydrographic~~

State Georgia

LOCALITY

Altamaha Sound

Darien River

1934

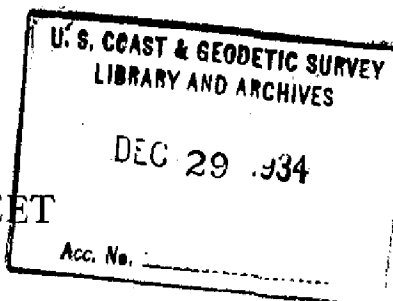
CHIEF OF PARTY

J. A. Bond

U. S. GOVERNMENT PRINTING OFFICE: 1934

6161a

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY



REG. NO. 61612

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. K

REGISTER NO. **61612**

State Georgia

General locality Altamaha Sound

Locality Darien River

Scale 1/10,000 Date of survey Feb. - Apr., 19 34

Vessel MIKAWA

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, 19 33

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 MIKAWA.

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 $81^{\circ} 29'$ 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 Rockdedundy 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
H. & C. Engineer
Chief of Party

RECOVERABLE TOPOGRAPHIC STATIONS

SHEET C.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
Old	31 07 838	81 24 1118	N.W. corner of wooden bulkhead at landing

SHEET J.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
One	31 19 1350	81 26 1270	Center light on Altamaha River Swing Bridge.
Six	31 20 543	81 24 849	4x4 cypress post
Fag	31 18 496	81 25 139	4x4 cypress post
chy	31 19 878	81 26 68	North white chimney large brown house.
Vex	31 19 869	81 26 67	South white chimney large brown house.

Sheet K.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
Top	31 20 1469	81 26 82	4x4 cypress post
Gun	31 21 1128	81 21 347	4x4 cypress post
Vex	31 22 1004	81 21 526	4x4 cypress post

REVIEW OF GRAPHIC CONTROL SURVEY T-616/a, SCALE 1 : 10000

Date of Review 8/9/55

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.

L. C. Lande

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R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. U. 6161b

State Georgia

LOCALITY

St. Simon Island

Front Beach

1934

CHIEF OF PARTY

C. A. Egner

U. S. GOVERNMENT PRINTING OFFICE: 1934

6161b

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY
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DEC 29 1934

Acc. No.

REG. NO. 6161b

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. Simons Island

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

Vessel Party No. 23

Chief of party C. A. Egner

Surveyed by G. R. Dietz

Inked by J. G. Patterson

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 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.

MESCELLANEOUS:

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
G. R. Dietz

Approved and forwarded;

C. A. Egner
C. A. Egner, Chief of Party

*Position of building
furnished as "Landmark
for Chart" form was detached
from this report and
turned over to Chart Division as Chart
Letter 7405*

REVIEW OF T-61616

This plane table survey has been examined in connection with the review 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 $31^{\circ}07'$ at Long. $81^{\circ}23'$ to $24'$ is too far north 3 to 6 meters.
3. Meridian $81^{\circ}21'$ is too far East 1 to 5 meters at Parallel $31^{\circ}09'$ to $31^{\circ}10'$.
4. The center meridian is slightly off from true perpendicular to parallel varying from .2 to .4 mm. Since the control stations all check on or close to the inked projection no corrections have been made.

M. Crook

4-25-35

✓ B. G. Jones