

U. S. COAST & GEODETIC SURVEY  
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COAST & GEOD. SURV.  
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Additional work  
Graphic Control

on Diag. 1262

Additional work  
Graphic Control

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

**DESCRIPTIVE REPORT**

Topographic  Graphic Control  
~~Hydrographic~~ Sheet No. H & I

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State Florida

LOCALITY

~~Gulf Coast~~

Apalachicola Bay

Gap Island to St. Vincent Point

---

1935

CHIEF OF PARTY

C. A. Egner

Additional work  
Graphic Control

U. S. GOVERNMENT PRINTING OFFICE: 1934

Additions in 1945

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET REGISTRY NO. 6311 A & B

PROJECT: Ph-1(45) DATE OF INSTRUCTIONS: 7Dec45; Sup.1,28Dec45; Sup.2,5Jan46

DATE OF FIELD WORK: 1-30Dec45

PURPOSE: To locate on the sheet existing aids to navigation and make major topographic revisions where necessary in the original shore line and topographic detail.

FIELD WORK: The field work consisting of additions and corrections to the original survey have been shown on the sheet in orange ink to distinguish them from the original work. Only these corrections and additions are discussed in this report.

AIDS TO NAVIGATION: All aids to navigation were located by three or more planetable cuts, sextant fixes, or a combination of the two methods. Sextant observations for Sheet 6311B are recorded on pages 9 to 11, Vol. 1; and pages 7,8,10,11,28 to 34, Vol. 3, Field Observation Record. Records of sextant observations for sheet 6311A are on pages 24 to 28, 32, and 33, Vol. 1, Field Observation Record.

MAJOR TOPOGRAPHIC CHANGES: A small low sand and oyster shell Island not charted was located and shown on sheet 6311B. The ends of the island was located by three point planetable fix and the island sketched in from tangent cuts to the principal breaks in the shoreline.

There were no major topographic changes in the area covered by sheet 6311A.

LANDMARKS GEOGRAPHIC NAMES, COAST PILOT CORRECTIONS, RECOVERY OF HORIZONTAL CONTROL, TOPOGRAPHIC CHANGES ON PLANIMETRIC MAPS, FIELD INSPECTION OF PHOTOGRAPHS, AND DISCREPANCIES IN PUBLISHED BRIDGE DATA have been made the subject of a special report and is submitted by areas for this project. The area of this sheet is covered in Special Report, Project Ph-1(45), Carrabelle-Port St. Joe Area.

DISCREPANCIES IN PUBLISHED DESCRIPTIONS OF AIDS TO NAVIGATION have been reported by letter to the Director in accordance with instructions.

Submitted by

Boynton Locke  
Boynton Locke, Topo. Engr.  
Topographer

Approved and forwarded.

Edmund L. Jones  
Edmund L. Jones  
Chief of Party

Additions in 1945

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

REG. NO.

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. H

REGISTER NO. **6311a**

State FLORIDA

General locality ~~FRANKLIN COUNTY~~ Apalachicola Bay<sup>15</sup>

Locality ~~APALACHICOLA BAY~~ Gap Island to St. Vincent Point<sup>29</sup>

Scale 1/20,000 Date of survey APRIL, 1935

Vessel FIELD PARTY #23

Chief of party C. A. EGNER

Surveyed by H. P. THEUS

Inked by H. P. THEUS

Heights in feet above -- to ground to tops of trees

Contour, Approximate contour, Form line interval        feet

Instructions dated NOVEMBER 30, 1934

Remarks: THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC

CONTROL ONLY.

...

FIELD: H

PROJECT: F. P. 76 (H-194)

PARTY: NO. 23

YEAR: 1935

STATE: FLORIDA

GENERAL LOCALITY: FRANKLIN COUNTY

LOCALITY: APALACHICOLA BAY

ADJOINS SHEETS: I, F, C, E, D

SHEET ON REVERSE SIDE: I

SCALE: 1/20,000

DATUM: N.A. 1927

CHIEF OF PARTY: C. A. EGNER

TOPOGRAPHER: H. P. THEUS

DATE OF INSTRUCTIONS: NOVEMBER 30, 1934

INKED BY: H. P. THEUS



INSTRUMENTS USED:

The usual plane table equipment.

METHODS:

Stations were located by: Intersection of cuts taken at triangulation stations; three point fixes; and cuts and stadia readings. Shoreline was obtained by stadia method.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, and to revise existing surveys.

MARKING OF STATIONS:

Triangulation, reference, and topographic stations were marked with standard discs, having name and date stamped upon them, and set in 12"x 12" concrete monuments with about 4" protruding above ground.

LANDMARKS:

None of any value.

RECOVERABLE STATIONS:

See MARKING OF STATIONS. Triangulation and topographic stations are located approximately 3/4 mile apart along shoreline.

GEOGRAPHIC NAMES:

The present charted names have been used as these are the accepted local names.

VERTICAL CONTROL:

None.

MAGNETIC MERIDIAN:

Taken at triangulation station JO March  
14, 1935.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC  
SHEET:

Recoverable stations by d. m. and d. p.  
Not recoverable by tracings.

CHANGES SINCE PREVIOUS SURVEYS:

Appreciable changes are found throughout the  
entire shoreline. In most localities the northern  
shore is washing away while the southern shore is  
filling in.

Respectfully submitted,

*H. P. Theus*

H. P. Theus, Observer

Approved and forwarded,

*C. A. Egner*

C. A. Egner, Lieut.,  
Chief of Party #23.

RECOVERABLE TOPOGRAPHIC STATIONS SHEET H

NAME	LATITUDE		LONGITUDE		DATUM	DESCRIPTION
	°	' D.M.METERS	°	' D.P.METERS		
Cent	29	39 (467.8) (879.5)	85	05 (227.6) (1386.1)	N. A. 1927	Standard disc set in 12"x 12" con- crete monument.
Wee	29	36 (483.0) (1364.3)	85	00 (1595.0) (19.5)		Standard disc set in 12"x 12" con- crete monument.
Sah	29	36 (327) (418)	84	58 (1287.5) (327)		Standard disc set in 12"x 12" con- crete monument.
Goat	29	37 (1348.8) (265.5)	84	56 (783.5) (1063.8)		Standard disc set in 12"x 12" con- crete monument.
Marsh	29	38 (419) (1428.3)	84	55 (1056) (558.0)		Brass rod set in 12" x 12" concrete monument

*Long.*

*Lat.*

REVIEW OF GRAPHIC CONTROL SURVEY T-6311<sup>a</sup>, SCALE 1:20,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-~~5514~~ 5508, , 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-~~5514~~ 5508, , 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.

T- 5508 AOR 8/26/35

T. Goshen  
8/19/35  
Francis G. Enslin

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

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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. I

REGISTER NO. **6311 b**

State FLORIDA

General locality ~~FRANKLIN COUNTY~~ Apalachicola Bay

Locality Gap Island to St. Vincent Point  
~~ST. GEORGE SOUND APALACHICOLA BAY~~

Scale 1/20,000 Date of survey MARCH, 1935

Vessel FIELD PARTY NO. 23

Chief of party C. A. EGNER

Surveyed by G. R. DIETZ

Inked by G. R. DIETZ

Heights in feet above -- to ground to tops of trees

Contour, Approximate contour, Form line interval -- feet

Instructions dated NOVEMBER 30, 1934

Remarks: THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC

CONTROL ONLY.

FIELD: I

PROJECT: F. P. 76 (H-194)

PARTY: NO. 23

YEAR: 1935

STATE: FLORIDA

GENERAL LOCALITY: FRANKLIN COUNTY

LOCALITY: ST. GEORGE SOUND--APALACHICOLA BAY

ADJOINS SHEETS: J, H, F, G

SHEET ON REVERSE SIDE: H

SCALE: 1/20,000

DATUM: N. A. 1927

CHIEF OF PARTY: C. A. EGNER

TOPOGRAPHER: C. A. BURMISTER, H. P. THEUS,  
G. R. DIETZ

DATE OF INSTRUCTIONS: NOVEMBER 30, 1934

INKED BY: G. R. DIETZ

INKED PROJECTION VERIFIED BY: G. C. McGLASSON



INSTRUMENTS USED:

The usual plane table equipment.

METHODS:

Stations were located by intersection of cuts taken at triangulation stations, three point fixes, and cuts and stadia readings. Shoreline was obtained by stadia method.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, and to revise existing surveys.

MARKING OF STATIONS:

Triangulation stations and reference marks were marked with standard discs with name and date stamped upon them and set in 12"x 12" concrete monuments with about 4" protruding above ground. Recoverable topographic stations were marked with brass screw set in 10"x 10" concrete monuments with 4" protruding and name of station written in the concrete. Two natural objects, HOW and TANK are considered recoverable and descriptions on Form 524 accompany this report.

LANDMARKS:

HOW is the south peak of the gable of the most westerly house of the group of houses at the turpentine still just west of Green Point. It appears on Form 567, LANDMARKS FOR CHARTS, attached to this report.

Δ Green

RECOVERABLE STATIONS:

See MARKING OF STATIONS. Triangulation and topographic stations are located approximately 3/4 mile apart along shoreline.

GEOGRAPHIC NAMES:

The present charted names have been used as these are the accepted local names.

VERTICAL CONTROL:

None.

MAGNETIC MERIDIAN:

Taken at triangulation station BULK on March 8, 1935.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:

Recoverable stations by d.m. and d. p. Not recoverable by tracing.



CHANGES SINCE PREVIOUS SURVEYS:

Appreciable changes were found in shoreline throughout the entire sheet. In general the north shoreline is receding and the south shore building up, due to wind and wave action. Full reports on this will necessarily await completion of aerial survey mapping.

Respectfully submitted,

*Guy R. Dietz*

Guy R. Dietz, Observer

Approved and forwarded,

*C. A. Eger*

C. A. Eger, Lieut.,  
Chief of Party #23.





LIST OF RECOVERABLE TOPOGRAPHIC SIGNALS \*

SHEET I

NAME	LATITUDE		LONGITUDE		DATUM	DESCRIPTION
	°	' D.M.Meters	°	' D.P.Meters		
Axe	29	39 (1508)	84	53 (65)	N. A. 1927	On open sand bank 4 meters from <u>shoreline, on St. George Id.</u> 6 meters north of most W'ly. oak with blazed triangle.
Chop	29	39 (81)	84	52 (1364.5)		<u>5 meters from shoreline.</u> S. gable of most W'ly. house of group at turpentine still.
How	29	45 (963)	84	49 (389)		Slats nailed to 12" pine tree Just west of junction of old highway & new highway lead- ing to bridge.
Rim	29	44 (1542)	84	52 (490)		Sta. is White bbl. water tank at S.E. corner of most E'ly. of two houses on N. side of <u>Fla. State Hy. #10.</u> .68 miles west of SHELL POINT 24 meters south of high water line.
Tank	29	44 (1166)	84	52 (966)		.68 mile E. of BULKHEAD PT. 10 meters south of high water line.
Aim	29	40 (497)	84	49 (1283)		On south shore of small bay- ou between SHELL and GAP. 6 meters S. of H.W.L.
Tree	29	40 (1047)	84	50 (621)		Slats nailed to 10" pine tree Midway between stations BRAN and GREEN
Well	29	41 (---)	84	47 (721)		
Big	29	45 (---)	84	50 (792)		

\* See cards on form 524 for correct positions.



REVIEW OF GRAPHIC CONTROL SURVEY T-6311<sup>b</sup>, SCALE 1:20,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T- 5509, 5514, with particular attention to the following details: 5510

- ✓(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- 5509, 5514, 5510, 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.

*The ink projection of T-6311<sup>b</sup> is out as much as 15 meters. After a pencil projection was drawn the triangulation stations checked for position - indicating that the original projection was correct & the error due to faulty inkwork. Due to this faulty inkwork the coordinates for described stations RIM and TANK were incorrectly scaled. These cards have been corrected.*

✓ Frank G. Enkine

T. Goshen  
8/5/35

T. G. 8/17/35

T-5510 5/8/36 F. G. Enkine