Additional work
Graphic Control

DESCRIPTIVE REPORT
Topographic Graphic Control
Sheet No. H & I

State: Florida

Locality:

- Gulf Coast
- Apalachicola Bay
- Gap Island to St Vincent Point

1935

Chief of Party:

C. A. Hager

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, 23 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

Boyton Locke, Topo. Engr.
Topographer

Approved and forwarded.

Edmund L. Jones
Chief of Party

Additions in 1945
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: H

REGISTER NO. 6311a

State: FLORIDA

General locality: FRANKLIN COUNTY Apalachicola Bay
Locality: APALACHICOLA BAY Gap Island to St. Vincent Point

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

Vessel: FIELD PARTY #23

Chief of party: C.A. EGNER

Surveyed by: H.P. THUNS

Inked by: H.P. THUNS

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval: feet

Instructions dated: NOVEMBER 20, 1934

Remarks: THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC CONTROL ONLY

...
FIELD: H
PROJECT: F. P. 76 (H-196)
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. BONNER
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 JQ 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, Observer

Approved and forwarded,

C. A. Bower, Lieut.,
Chief of Party #25.
<table>
<thead>
<tr>
<th>NAME</th>
<th>LATITUDE</th>
<th>Longitude</th>
<th>Datum</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cent</td>
<td>29 39 (879.5)</td>
<td>85 05 (1386.1)</td>
<td>1927</td>
<td>Standard disc set in 12&quot;x 12&quot; concrete monument.</td>
</tr>
<tr>
<td>Wee</td>
<td>29 36 (1364.3)</td>
<td>85 00 (19.5)</td>
<td></td>
<td>Standard disc set in 12&quot;x 12&quot; concrete monument.</td>
</tr>
<tr>
<td>Sam</td>
<td>29 36 (418)</td>
<td>84 58 (1287.5)</td>
<td></td>
<td>Standard disc set in 12&quot;x 12&quot; concrete monument.</td>
</tr>
<tr>
<td>Goat</td>
<td>29 37 (265.5)</td>
<td>84 56 (1063.8)</td>
<td></td>
<td>Standard disc set in 12&quot;x 12&quot; concrete monument.</td>
</tr>
<tr>
<td>Marsh</td>
<td>29 38 (1428.3)</td>
<td>84 55 (558.0)</td>
<td>1056</td>
<td>Brass rod set in 12&quot; x12&quot; concrete monument</td>
</tr>
</tbody>
</table>
REVIEW OF GRAPHIC CONTROL SURVEY T- 63113, 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. Gordon
8/17/35

F. C. E. E.
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. 1

REGISTER NO. 6311 b

State: FLORIDA

General locality: FRANKLIN COUNTY Apalachicola Bay
Locality: Gap Island to St. Vincent Point

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

Vessel: FIELD PARTY NO. 23

Chief of party: G. A. SIEWERT
Surveyed by: G. R. DIEITZ
Inked by: G. R. DIEITZ

Heights in feet above 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. MCCALLSON
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 screws 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.

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
Observer

Approved and forwarded,

Otto Eger
C. A. Egger, Lieut.,
Chief of Party #23.
LANDMARKS FOR CHARTS

Apalachicola, Florida

May 20, 1935

Chief of Party.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th></th>
<th></th>
<th></th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>So. Gable of House at Turpentine Still</td>
<td>885</td>
<td>1223</td>
<td>N.A.</td>
<td></td>
<td></td>
<td>182 &amp; 183</td>
</tr>
<tr>
<td>HOW</td>
<td>29 45 (963)</td>
<td>84 49 (389)</td>
<td>1927</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore. (2) Inshore. (3) Harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
# LIST OF RECOVERABLE TOPOGRAPHIC SIGNALS

## SHEET I

<table>
<thead>
<tr>
<th>NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axe</td>
<td>29 39 (1508)</td>
<td>84 53 (65)</td>
<td>1547</td>
<td>On open sand bank 4 meters from shoreline, on St. Geogd I.d. 6 meters north of most W'ly. oak with blazed triangle. 5 meters from shoreline. S. gable of most W'ly. house of group at twpentine still.</td>
</tr>
<tr>
<td>Chop</td>
<td>29 39 (81)</td>
<td>84 52 (1364.5)</td>
<td>249</td>
<td>Slats nailed to 12&quot; pine tree just west of junction of old highway &amp; new highway leading to bridge.</td>
</tr>
<tr>
<td>How</td>
<td>29 45 (963)</td>
<td>84 49 (389)</td>
<td>885</td>
<td>Sta. is White bbl. water tank at S.E. corner of most E'ly. of two houses on N.side of Fla. State Hy. 60.</td>
</tr>
<tr>
<td>Rim</td>
<td>29 44 (1542)</td>
<td>84 52 (490)</td>
<td>305</td>
<td>.68 miles west of SHELL POINT 24 meters south of high water line.</td>
</tr>
<tr>
<td>Tank</td>
<td>29 44 (1166)</td>
<td>84 52 (966)</td>
<td>681</td>
<td>.68 mile E. of BULKHEAD PT. 10 meters south of high water line.</td>
</tr>
<tr>
<td>Aim</td>
<td>29 40 (497)</td>
<td>84 49 (1283)</td>
<td>1350</td>
<td>On south shore of small bayou between SHELL and GAP. 6 meters S. of H.W.L. Slats nailed to 10&quot; pine tree midway between stations BRAN and GREN.</td>
</tr>
<tr>
<td>Tree</td>
<td>29 40 (1047)</td>
<td>84 50 (321)</td>
<td>800</td>
<td>992</td>
</tr>
<tr>
<td>Well</td>
<td>29 41 (---)</td>
<td>84 47 (1721)</td>
<td>467</td>
<td>666</td>
</tr>
<tr>
<td>Big</td>
<td>29 45 (---)</td>
<td>84 50 (792)</td>
<td>374</td>
<td>520</td>
</tr>
</tbody>
</table>

See cards in files 624 for exact positions.
REVIEW OF GRAPHIC CONTROL SURVEY T-631, SCALE 1:24,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5509, 5519, 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 S2 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5509, 5519, 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 scale projection of T-631 is out as much as 15 meters. After a careful projection, the triangulation stations checked in position, indicating that the original projection was correct. The error is due to faulty markings. No is this fault, making the coordinates for adjacent stations RIV and TANK were incorrectly scaled. These errors have been corrected.

Frank G. Eubanks

T. C. 8/19/35

T-5510 3/9/36 T. G. Eubanks