

6308b
6308b

no add-
itions in 1945

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
JUN 17 1935
Additional work
Acc. No.
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
EXPLANATION } Sheet No. C & F

State Florida

LOCALITY

~~Gulf Coast~~ Apalachicola Bay
Apalachicola River to
St. Vincent Sound (Lower Part)

1935

CHIEF OF PARTY

C. A. Egner.

U. S. GOVERNMENT PRINTING OFFICE: 1934

Additions in 1945

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET REGISTRY NO. 6308B

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

DATE OF FIELD WORK: 31Dec45

PURPOSE: To locate on the sheet existing aids to navigation and make major topographic revisions where necessary in the original shoreline 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: The following aids to navigation are shown on the sheet and located as indicated:

Apalachicola R. Entrance Buoys 24,25,26, 21, and
Light 25 -----Planetable cuts
Apalachicola R. Entrance Buoys 7,9,11,13,
15,17 -----Sextant fixes in Field Obs.
Record, Vol. 1, p.28 to 31.
Apalachicola R. Buoys
2,4,5,6,8 -----Sextant fixes in Field Obs.
Record, Vol. 7, p.8 and 9.

The following aids to navigation are not shown on the sheet but were identified on the photographs as indicated:

Apalachicola R. Entr. Front Range -----C2612
Apalachicola R. Entr. Rear Range -----C2610
Apalachicola River Buoy 2 and Lt. 8 -----C2611
Apalachicola River Lt. 10 -----C2608

MAJOR TOPOGRAPHIC CHANGES: There were no major topographic changes in the area covered by this sheet which would be significant on the 1:40,000 scale Intra-coastal Waterway Chart.

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

W. C. Chapman Topo. Engr.
Topographer

Approved and forwarded

Edmund L. Jones
Edmund L. Jones U
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. C

REGISTER NO. **6308 a**

State FLORIDA

General locality ~~FRANKLIN COUNTY~~ Apalachicola Bay¹⁵

Locality Apalachicola River to³⁵ ST. VINCENT SOUND (Lower Part)¹⁰

Scale 1/10,000 Date of survey March, 1935

Vessel FIELD PARTY NO. 23

Chief of party C. A. EGNER

Surveyed by S. E. GREICUS

Inked by G. FORTUNE

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: C
PROJECT: F. P. 76 (H-194)
PARTY: NO. 23
YEAR: 1935
STATE: FLORIDA
GENERAL LOCALITY: FRANKLIN COUNTY
LOCALITY: ST. VINCENT SOUND
ADJOINS SHEETS: B, H, F
SHEET ON REVERSE SIDE: F
SCALE: 1/10,000
DATUM: N. A. 1927
CHIEF OF PARTY: C. A. EGNER
TOPOGRAPHER: S. E. GREICUS
DATE OF INSTRUCTIONS: NOVEMBER 30, 1934
INKED BY: G. FORTUNE

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. Shore line 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 $\frac{1}{4}$ " brass rods set in 10" x 10" concrete monuments of which 4" protrudes above ground, except stations GAL and ZIP which were marked with standard topographic discs set in 12" x 12" concrete monuments.

LANDMARKS:

None worthy of the name.

RECOVERABLE STATIONS:

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

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 SAND 2
March 2, 1935.

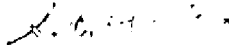
METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:

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

CHANGES SINCE PREVIOUS SURVEYS:

It is apparent that both shores are washing away, but to the greatest extent on the northern shore.

Respectfully submitted,



S. E. Greicus, Observer,

Approved and forwarded,



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

S H E E T "C"

| SECTION | latitude | | longitude | | DESCRIPTION |
|--|----------|---------------|-----------|---------------|---|
| | ' | D.M.Meters | ° | ' D.M.Meters | |
| "TWO" North side of St. Vincent Island | 29-40 | 1551 (296) | 85-06 | 310 (1303) | 1/4" copper rod in 12"x 12"x 30" concrete post 4" above ground. |
| "SIG" North side of St. Vincent Island | 29-41 | 460 (1387) | 85-05 | 1004 (---) | 1/4" copper rod in 12"x 12"x 30" concrete post 4" above ground. |
| "TAW" North bank of St. Vincent Sound | 29-43 | 189 (---) | 85-06 | 178 (---) | 1/4" copper rod in 12" x 12"x 30" concrete post 4" above ground. |
| "GAL" North bank of St. Vincent Sound | 29-43 | 222 (---) | 85-04 | 1073 (540) | Standard hydrographic (Topo) disc in 12" x 12" x 30" con- crete monument 4" above ground. |
| "ZIP" North bank of St. Vincent Sound | 29-42 | 1629 (218) | 85-02 | 1543 (70) | Standard hydrographic (Topo) disc in 12"x 12"x 30" con- crete monument 4" above ground. |

REVIEW OF GRAPHIC CONTROL SURVEY T-6308^a, SCALE 1:10000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5509 ; 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-5509 , 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 WR 8/23/35

T. Goshen
8/1/35

Frank G. Ewbank

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. F

REGISTER NO. **6308 b**

State..... FLORIDA

General locality..... ~~FRANKLIN COUNTY~~ *Apalachicola Bay*
River to St. Vincent Sound (Lower Part)

Locality..... APALACHICOLA ~~APALACHICOLA BAY~~

Scale *1/10,000* Date of survey *APRIL*, 19*35*.

Vessel..... *FIELD PARTY NO. 23*

Chief of party..... *C. A. EGNER*

Surveyed by..... *G. FORTUNE*

Inked by..... *G. FORTUNE, H. P. THEUS*

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

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

Instructions dated..... *NOVEMBER 30*....., 19*34*

Remarks:..... *THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC*.....

CONTROL ONLY......

FIELD: F

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

PARTY: NO. 23

YEAR: 1935

STATE: FLORIDA

GENERAL LOCALITY: FRANKLIN COUNTY

LOCALITY: APALACHICIOA, APALACHICOLA BYA

ADJOINS SHEETS: C, H, I, G, M

SHEET ON REVERSE SIDE: C

SCALE: 1/10,000

DATUM: N. A. 1927

CHIEF OF PARTY: C. A. EGNER

TOPOGRAPHER: G. FORTUNE

DATE OF INSTRUCTIONS: NOVEMBER 30, 1934

INKED BY: G. FORTUNE, H. P. THEUS

Sheet 6308 b shows draw span
and bridge approaches.
sheet 6310 a shows line of bridge
△ West Point 1935 and ○ ^{EAST POINT} ~~WEST POINT~~ are exactly
on the line of the bridge. (E)

Instruments Used

The usual planetable equipment.

Methods

Signals were located by intersection of cuts from triangulation stations, or from 3-pt. fixes, and by stadia readings. Shoreline was by stadia. The Apalachicola waterfront was rodded in and checked as to lengths of docks, etc. by a steel tape. Distances between piers, width of clearances of the swing span, and similar data on the John Gorrie Bridge were checked from information obtained from the Project Engineer, Mr. E. S. Fraser.

The western approach to the bridge was placed on the sheet by reduction from a large scale plan obtained from the Project Engineer.

Purpose of the Survey

To provide control for the hydrography, to establish recoverable stations for future work, to bring the waterfront of Apalachicola up-to-date, to assist in control of the aerial photos.

Marking of Stations

Only two stations were marked, these being located along the north shore of Apalachicola Bay, between Apalachicola and Green Point.

Many natural objects in the town and vicinity were located by intersection, supplementing numerous others located by triangulation. Notation regarding the method of marking is found on the sheet near the marked signal.

Landmarks

Several are listed herewith, though the most prominent ones are previously reported, and charted from triangulation data.

Recoverable Stations

Included under "Marked Stations."

Geographic Names

Charted ones have been retained. The Bridge carries the name of John Gorrie Memorial Bridge, but is generally known as the Apalachicola Bay Bridge. It is believed the latter will find more general usage.

Vertical Control

None.

Magnetic Meridian

Obtained at Triangulation Station Laurel, Apr. 12, 1935.

Method of transfer of signals to hydro. sheets

By direct tracing.

Changes since previous surveys.

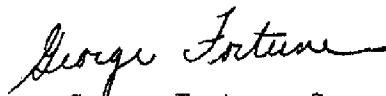
The Bridge makes a prominent change in the Apalachicola waterfront and approach from the eastward. It is a piling bridge with concrete decking, with hydraulic fills at either end, and having a swing span over the Apalachicola River at the western end. The approaches, and fills, have altered the appearance of this section of the waterfront. Likewise, the improvement of the highway approaching the bridge through the town will alter the street layout somewhat. These changes were in process of development while the work on this sheet was being done, so that only a part of them were obtainable.

This data can be obtained later from the State Highway Commission, or, if advisable, a party can be easily sent to include this on the sheet by a day of field work while still within reach at Tallahassee.

The north shore of Apalachicola Bay is receding. This may be readily detected by comparison with the survey of 1914.

Commercially, the waterfront at Apalachicola has undergone few changes, except from establishments handling the oyster industry.

Respectfully submitted,



George Fortune, Surveyor.

Approved and forwarded:



C. A. Egner.
Chief of Party.

RECOVERABLE TOPOGRAPHIC STATIONS SHEET F.

| NAME | Latitude | | | Longitude | | | Datum | Description |
|---|----------|----|---------------|-----------|----|---------------|---------------|--|
| | ° | ' | D. M.m. | ° | ' | D. P.m. | | |
| You (Mark) | 29 | 42 | {--- (490) | 85 | 01 | 679 (934) | N. A. 1927 | 12"x12" Conc. Mon. with 1/4" brass rod. |
| You (Topo. Sig.) | | 42 | {--- (497) | 85 | 01 | 653 (960) | " | Banner on tree. |
| Sil (Mark) | 29 | 42 | 1579 (268) | 84 | 59 | 1415 (198) | " | 12"x12" Conc. Mon. with 1/4" brass rod. |
| Sil Topo. Sig. | | 42 | 1568 (279) | 84 | 59 | 1405 (208) | " | Banner on tree. |
| Center of β Swing Span (Draw) | 29 | 43 | 896 (952) | 84 | 58 | 1249 (364) | " | As named. JOHN GOREIE BRIDGE. |
| Front Range Light | 29 | 43 | 804 (1043) | 84 | 58 | 1330 (282) | " | Apalach. Channel. |
| Cross | 29 | 43 | 542 (1305) | 84 | 59 | 155 (1457) | " | Cross on Catholic School. |
| Concrete Stack | 29 | 43 | 1570 (277) | 84 | 59 | 813 (798) | " | City lighting plant. |
| Blo | 29 | 43 | 1114 (733) | 84 | 58 | 1596 (16) | " | Weather bureau mast. |

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

SHEET F

LANDMARKS FOR CHARTS

Apalachicola, Fla.

May 23, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

C. A. Egner
Chief of Party.

| DESCRIPTION | POSITION | | | | | METHOD OF DETERMINATION | CHARTS AFFECTED | |
|--|----------|----|------------------|-----------|----|-------------------------|-----------------|----------------|
| | LATITUDE | | | LONGITUDE | | | | DATUM |
| | ° | ' | D.M. METERS | ° | ' | | | |
| Muni Tank | 29 | 43 | 912.9 (934.5) | 84 | 59 | 244.5 (1367.9) | N. A. 1927 | 183 <i>865</i> |
| Sheips Mill Tank | 29 | 44 | 15.4 (1832.0) | 84 | 59 | 1082.3 (530.2) | " | 183 " |
| Center of Swing Span (John Gorrie Bridge) | 29 | 43 | 896 (952) | 84 | 58 | 1249 (364) | " | 183 " |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

*wab
4/1/46*

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, flagstaves and like objects are not sufficiently permanent to chart.

REVIEW OF GRAPHIC CONTROL SURVEY T-6308^b, SCALE 1:10,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5509, , 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-5509, , 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-5509

T. Goshen
8/2/35