

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JUN 11 1935

Acc. No. _____

U.S. Coast and Geodetic Survey

Additional work

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Florida

DESCRIPTIVE REPORT

Topographic } Sheet No. H
Hydrographic }

LOCALITY

St. Andrew Bay

St. Andrew Bay New Entrance Channel
~~Entrance Cut~~ and Grand Lagoon

193 5

CHIEF OF PARTY

Wm. D. Patterson

Graphic Council

Additional work

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Additional work

T6303

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Graphic Control - 70 29.126

Registry No. T-6303

Field No. 4-2000

Scale 1:10,000

State Florida General locality Bay County

Specific locality Entrance Cut, St. Andrews Bay

Dates: Survey began 28Jan46 Completed 31Jan46

Photography 18May45, Supplemented by ground surveys to 31Jan46

Project No. Ph-1(45) Instructions dated 7Dec.45; Sup.1, 28Dec45; Sup.2, 5Jan46; Sup. 3, 31Jan46.

Vessel } or Shore Party Chief of party Edmund L. Jones
Party }

Field work by H. A. Duffy Office work by H. A. Duffy

Final inking by I. I. Saperstein

Ground elevations } in feet above { M. H. W.
Treetop elevations } or

Contours } by { Planetable } Interval ft.
Approximate contours } Multiplex }
Form lines }

REMARKS

Reg. No. — T-6303

1:10,000

Florida

Bay County

Entrance Cut, St. Andrews Bay

28Jan46

31Jan46

18May45

31Jan46

Ph-1(45)

7Dec.45; Sup.1, 28Dec45; Sup.2,
5Jan46; Sup. 5, 31Jan46.

Shore Party

Edmund L. Jones

H. A. Duffy

H. A. Duffy

I. I. Saperstein

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET REGISTRY NO. T-6303

PROJECT: Ph-1(45) DATE OF INSTRUCTIONS: 7Dec.45; Sup.1,
28Dec45; Sup.2,5Jan46; Sup.3,31Jan46.

DATE OF FIELD WORK: 28Jan46 to 31Jan46.

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 on this sheet were located by at least three planetable cuts from triangulation, topographic stations and resection points on shore.

MAJOR TOPOGRAPHIC CHANGES: Major topographic changes are delineated on photographs Nos. 34c3021 and 45c3022.

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), Port St. Joe - West Bay Area.

DISCREPANCIES IN PUBLISHED DESCRIPTIONS OF AIDS TO NAVIGATION: There were no discrepancies in published descriptions of aids to navigation.

Submitted by:

Harold A. Duffy
Harold A. Duffy,
Prin. Photo. Aid.

Approved and forwarded:

Edmund L. Jones
Edmund L. Jones,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
JUN 11 1935
REG. NO. _____
Acc. 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. **6303**

State Florida

General locality Bay County St. Andrew Bay

~~St. Andrew Bay~~ ~~New Entrance Cut and Grand Lagoon~~

Locality ~~Grand Lagoon & St. Andrew Bay at new dredged entrance channel~~

Scale 1:10,000 Date of survey January-February, 1935

Vessel Field Party No. 5, Project HT-195

Chief of party Lieut. Wm. D. Patterson

Surveyed by Daniel S. Ling

Inked by Charles R. Smith

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 30, 1934

Remarks: This area has been flown for aerial photographs

...

→ Locality: St. Andrew Bay New Entrance Channel and Grand Lagoon ³⁴

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "H" (Field Letter)

GRAND LAGOON AND NEW ENTRANCE CHANNEL

TO ST. ANDREW BAY,

FLORIDA.

Project HT-195 Wm. D. Patterson Chief of Party.

INSTRUCTIONS:

This work was done under the Director's Instructions dated November 30, 1934.

METHODS:

Standard Coast and Geodetic Survey planetable methods were used entirely in the survey of this sheet. No traversing was required. Control for the survey was obtained from triangulation stations located with second-order accuracy by Lieut. Wm. D. Patterson in 1935 at approximately two mile intervals, or less, along the shore.

GENERAL
DESCRIPTION:

The shores of Grand Lagoon are wooded with usually a marsh area between the woods land and water on the southwesterly shore but marsh in a few places only, on the opposite shore. The shore line from Alligator Point to Courtney Point is wooded and has a narrow sandy beach. The Gulf of Mexico shore is a sandy beach backed by low scrub covered sand dunes behind which is woodland.

Grand Lagoon is crossed about two miles above the entrance cut by a wooden bridge which has a horizontal clearance of seventeen feet and a vertical clearance of seven and one-half feet at mean high water. The bridge is in bad condition.

The new entrance cut was opened a few months previous to this survey. Its entrance is protected by jetties of steel sheet piling surrounded by rocks. There are no lights on the jetties. The tidal currents through the cut are very strong and as a result the shore line, in the cut and vicinity, is subject to much change. As a result several of the U. S. E. stations here have washed out and though they are marked as described on the sheet, no description has been made of these. Lighted beacon number four has been moved several times as the shore recedes, so the location shown on the sheet can not be considered as permanent.

Since the survey of this sheet was completed, dredging operations were resumed in the channel and at that time (March 1935) lighted beacons numbers three and six were removed and replaced by buoys. These buoys were located on the hydrographic sheet, by the hydrographic party.

St. Andrew Bay entrance light is the only prominent landmark in this area. It has been described on Form 525.

CHANGES OF
SHORE LINE:

There is indication of slight recession of shore line between Alligator Point and Courtney Point. The Gulf of Mexico shore line is subject to slight changes due to storms. In general, however, there is little change in this area except as noted around the new entrance cut.

GEOGRAPHIC NAMES:

No changes or additions for names of geographic features in this area are recommended.

STATISTICS:

Sheet "H", Scale,	1:10,000
Statute miles of shore line	18.0
Area in square statute miles	7.0

Respectfully submitted,

Daniel S. Ling
Daniel S. Ling,
Surveyor.

Approved and forwarded;

Wm. D. Patterson
Wm. D. Patterson, Lieut.,
Chief of Field Party No. 5.

REVIEW OF GRAPHIC CONTROL SURVEY T-6303, SCALE 1:10,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5520, 5521, 5523, 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-5520, 5521, 5523, 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-5520 - T. Goshen 8/22/35
F. S. Eshier

There are no discrepancies with T-5521 and T-5523
Frank G. Eshier