**DEPARTMENT OF COMMERCE**

**U. S. COAST AND GEODETIC SURVEY**

**R. S. Patton**, Director

**State:** Florida

**DESCRIPTIVE REPORT**

<table>
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<tr>
<th>Topographic</th>
<th>Sheet No.</th>
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</table>

**LOCALITY**

St. Andrew Bay
St. Andrew Bay New Entrance Channel

---

**1935**

**CHIEF OF PARTY**

Wm. D. Patterson
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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.

Registry No. T-6303
Field No. 1731
Scale 1:10,000

State Florida General locality Bay County
Specific locality Entrance Cut, St. Andrews Bay
Dates: Survey began 28 Jan 46 Completed 31 Jan 46
Photography 16 May 45 Supplemented by ground surveys to 31 Jan 46
17 Dec 45; Sup. 1, 26 Dec 45; Sup. 2, 5 Jan 46; Sup. 3, 31 Jan 46.
Project No. Ph-1(45) Instructions dated 7 Dec 45.
Vessel or Shore Party Chief of party Edmund L. Jones
Field work by H. A. Duffy Office work by H. A. Duffy
Final inking by I. L. Saperstein

Ground elevations \[\text{in feet above M. H. W.}\]
Treetop elevations \[\text{or}\]

Contours
Approximate contours by Planetable Multiplex Interval \[\text{ft.}\]
Form lines

Remarks


Florida
Bay County

Entrance Cut, St. Andrews Bay

28 Jan 46

18 May 45

Ph-1 (45)

Shore Party

H. A. Duffy

I. I. Saperstein

31 Jan 46

31 Jan 46

31 Jan 46

7 Dec 45; Sup. 1, 26 Dec 45; Sup. 2, 5 Jan 46; Sup. 5, 31 Jan 46.

Edmund L. Jones

H. A. Duffy
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: 26Jan46 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 plane table cuts from triangulation, topographic stations and resection points on shows.

MAJOR TOPOGRAPHIC CHANGES: Major topographic changes are delineated on photographs Nos. 34c3021 and 45c5022.

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:

[Signature]
Harold A. Duffy
Prin. Photo. Aid.

Approved and forwarded:

[Signature]
Edmund L. Jones
Chief of Party.
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  St. Andrew Bay  New Entrance Cut and Grand Lagoon

Locality  Grand Lagoon & St. Andrew Bay of 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
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 planeratable 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 out 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 16.0
Area in square statute miles 7.0

Respectfully submitted,
Daniel S. Ling,
Surveyor.

Approved and forwarded;
Wm. D. Patterson, Lieut.,
Chief of Field Party No. 5.
GEOGRAPHIC NAMES

Approved by the Division of Geographic Names, Department of Interior. *
Referred to the Division of Geographic Names, Department of Interior. R
Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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<td>Courtney Point</td>
<td>Same</td>
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* Approved names underlined in red.

H.L. Form

Survey No. T6508
Chart No. 194
Diagram No. 194
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. Jordan 8/22/35

[Signature]

There are no discrepancies with T-5521 and T-5523.

[Signature]