DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. M. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic Sheet No. T-5535

Hydrographic

State Alabama

LOCALITY Mobile Bay

Visinity of Little Point Clear

1933

CHIEF OF PARTY

M. H. Reese
april 2, 1926 - apr. 1926 - Z.W. Bernstein
applies to chart 833 a/v
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. ......................

REGISTER NO. T-5535

State .................. Alabama

General locality .... Mobile Bay

Locality ............... vicinity of Little Point Clear

Scale 1:10,284 Date of photos June 23, 1934

Wassail Air Photo Compilation Party No. 24, Pensacola, Fla.

Chief of party ...... M. H. Rose

Surveyed by ............. See data sheet in descriptive report

Inked by .................. S. S. Gill

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

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

Instructions dated ............. June 7, 1934

Remarks: Compiled on scale of 1:10,204. Enlarged and printed on scale of 1:10,000 by photolithography. Scale factor 0.98.

Blueprint No, scale 1:10,204 sale 3/28/36
- STATISTICS -

on

SHEET, FIELD NO.____, REG. NO. T-5535
PHOTOS, NO. _______ C-7 _______ TO NO. _______ C-12

DATE OF PHOTOGRAPHS _______ June 23, 1934 _______ TIME _______ 9 a.m.

BY______ DATE FROM _______ TO _______

ROUGH RADIAL PLOT _____________

SCALE FACTOR (0.98) _____________

SCALE FACTOR CHECKED _____________

PROJECTION _____________

E. E. Hernandez, Jr. 7/2/35

PROJECTION CHECKED _____________

E. L. Fitch 7/2/35

CONTROL PLOTTED _____________

H. C. Caulfield 7/2/35

CONTROL CHECKED _____________

S. S. Gill 7/2/35

TOPOGRAPHY TRANSFERRED _____________

TOPOGRAPHY CHECKED _____________

H. C. Caulfield 7/11/35

SMOOTH RADIAL LINE PLOT _____________

H. C. Caulfield 7/11/35

RADIAL LINE PLOT CHECKED _____________

H. C. Caulfield S. S. Gill

DETAIL INKED _____________

Shoreline: H. C. Caulfield; Detail: S. S. Gill 7/17/35

PRELIMINARY REVIEW OF SHEET _____________

E. L. Fitch 7/23/35

TOTAL AREA OF SHEET _______ 17.0 sq. Statute Miles
AREA OF DETAIL INKED _______ 6.5 sq. Statute Miles (Land Area)
AREA OF DETAILED INKED _______ sq. Statute Miles (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore) _______ 17.5 Statute Miles
LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) _______ 30.5 Statute Miles

GENERAL LOCATION _______ Mobile Bay
LOCATION _______ Vicinity of Little Point Clear

LATITUDE _______ 30°15' 40.66" (1252.1 m.)

DATUM _______ North American 1927
LATITUDE _______ 30°15'40.66" (1252.1 m.)

STATION _______ LEAR 2 1934-1935 (Adjusted)

LONGITUDE _______ 87°55'11.45" (305.1 m.)
I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The information used in the compilation of this sheet was obtained from notes and sketches on field photographs and from members of the field inspection party in localities where the draftsmen could not completely determine the exact nature of the detail from the photographs.

The land area of this sheet consists of low marshy areas with numerous small sloughs and bayous, and small sand ridges alternating with the marsh. Pines and scrub oak are found growing on these ridges.

A sand road, which is the only road on this sheet, runs approximately east and west. There is a wide sand beach along the outer coast spotted with brush, grass and palmettos.

The range of tide in this area is approximately 1.1 ft. Due to small scale of photographs and small variation of tide in this area, only the high water line was shown.

The area covered by this sheet was traced from photographs Nos. C-7 to C-12 taken by the Aero Service Corporation’s single-lens camera on June 23, 1934 at 9 a.m. A flight was flown by the U. S. Navy to supplement the pictures taken by the Aero Service Corporation, and the Navy photos were enlarged to the scale of this compilation. These pictures were used to obtain detail information which was not clear on the Aero Service pictures due to being far out from the center of the pictures. The area immediately around Little Point Clear was traced from the Navy pictures because it was not covered by the Aero Service photos. These Navy photographs are not on file in the office.

II. CONTROL:

(A) Sources


The geographic positions of triangulation established by the above party were computed on the
North American 1927 Datum, from adjusted values.

(B) **Character**

The control in this area is adequate.

(C) **Errors**

No errors were found in the control used in compiling this sheet.

**III. COMPILATION:**

(A) **Method**

The usual single-lens radial line method of plotting was used in the compilation of this sheet.

(B) **Adjustments of plot**

The photos used in the tracing of this sheet were free from excessive tilt and scale fluctuations.

(C) **Interpretation**

The graphic symbols used are those authorized by the Board of Surveys and Maps (1932) except the symbol (♀) used to denote brush.

(D) **Information from other sources**

No information was obtained from sources other than the photographs and notes and sketches submitted by the field inspection party.

(E) **Conflicting names**

None.

(F) **New names**

There were no new names. All names appearing on overlay were taken from U.S. C. & G.S. Chart 1266.

**IV. COMPARISON WITH OTHER SURVEYS:**

The junctions of this sheet with Sheet No. T-5536 to the West and Sheet No. T-5534 to the East are correct.
V. LANDMARKS:

No landmarks of value to navigation in area covered by this sheet.

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

To the best of my knowledge this sheet is complete in all details of importance for charting purposes and no further surveys are needed at this time.

This compilation is considered correct within 0.3 to 0.8 m.m. for middle points and 0.3 to 1.1 m.m. for detail (Sec. 199).

Submitted by: S. S. Gill,
Draftsman.

Approved by: M. H. Rosea,
Chief of Party.
<table>
<thead>
<tr>
<th>Remarks</th>
<th>Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Called &quot;Bottle&quot; Pt. Clear on T Misc. 2 (1845)</td>
</tr>
<tr>
<td>2</td>
<td>Andrews on T 3712</td>
</tr>
<tr>
<td>3</td>
<td>Can find no authority for Hog Bayou</td>
</tr>
<tr>
<td>4</td>
<td>Edith's signature on T 277, also on T 3712, John J. S.</td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>---------------</td>
<td>----</td>
</tr>
<tr>
<td>Mobile Bay</td>
<td>1266</td>
</tr>
<tr>
<td>Little Point Clear</td>
<td>1266</td>
</tr>
<tr>
<td>Three Rivers</td>
<td>1266</td>
</tr>
<tr>
<td>Bon Secour Bay</td>
<td>1266</td>
</tr>
<tr>
<td>Navy Cove</td>
<td>1266</td>
</tr>
<tr>
<td>St. Andrews Bay</td>
<td>1266</td>
</tr>
<tr>
<td>Hey Bayou</td>
<td>1266</td>
</tr>
<tr>
<td>Edith Hannock</td>
<td>1266</td>
</tr>
<tr>
<td>Gulf of Mexico</td>
<td>1266</td>
</tr>
<tr>
<td>Saxon Bay</td>
<td>1266</td>
</tr>
</tbody>
</table>

*Name underlined in red approval by O. Staggs on 2-6-36*
REVIEW OF AIR PHOTO COMPILATION T 5535
Scale 1:10,000

There are no graphic control surveys in this area.

Comparison with Previous Topographic Surveys

Miscol. 2 (1845), 1:200,000, Reconnaissance
T 240 (1847), 1:20,000
T 277 (1849), 1:20,000
T 2086 (1892), 1:10,000
T 2087 (1892), 1:20,000
T 2865 (1908), 1:20,000
T 3712 (1917), 1:40,000
T 3714 (1918), 1:40,000

Comparison with the above surveys indicates few changes in this area.

T 5535 is adequate to supersede the above surveys over the common area.

There are no contemporary hydrographic surveys in this area.

Comparison with Chart 1236

The area covered by this survey is much more marshy than indicated by the chart.

The ponds on the chart at Long. 87° 58' 1/2" no longer exist.

There are no landmarks or aids to navigation within the limits of this survey.

Feb. 13, 1936

Frank G. Erskine
1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and i; 25; and 64)

Yes.

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 23; and 66 g, n)

Yes.

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d, e)

None necessary.

4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 23)

None submitted.

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

No surveys in this area.

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c, h, i)

Discussed in descriptive report.

7. High water line on marshy and muddy coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

Yes.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."
8. The representation of high water lines, and legends pertaining to them is satisfactory. (Par. 35, 37, 38, 39, 40, 41)

Only high water line shown due to small scale of photos.

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)

None.

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

None.

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

None.

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

Yes.

13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted. (Unadjusted)

Yes.

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

Yes.

15. The drafting is satisfactory and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.

2. The degrees and minutes of Latitude and Longitude are correctly marked.
3. All station points are exactly marked by fine black dots.

4. Closely spaced lines are drawn sharp and clear for printing.

5. Topographic symbols for similar features are of uniform weight.

6. All drawing has been retouched where partially rubbed off.

7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Far. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

17. Remarks:

18. Examined and approved;

[Signature]

Chief of Party

19. Remarks after review in office:

Reviewed in office by: [Signature]

Examined and approved:

[Signature]

Chief, Section of Field Records

[Signature]

Chief, Division of Charts

[Signature]

Chief, Section of Field Work

[Signature]

Chief, Division of Hydrography and Topography.