

5535

U. S. COAST & GEODETIC SURVEY
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Form 504
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. FATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. T-5535

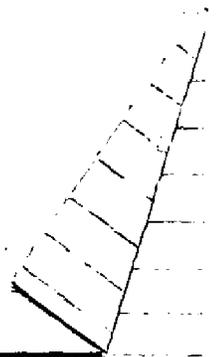
State Alabama
LOCALITY
Mobile Bay
~~Vicinity of Little Point Clear.~~

1934

CHIEF OF PARTY

M. H. Reese

5535



application to CM 1266 - apt. 1936 - J.H. Gant
Appl to Chart 873 QVR

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.....

REGISTER NO. T-5535

State..... Alabama

General locality..... Mobile Bay

Locality..... ~~Vicinity of~~ Little Point Clear

Scale..... 1:10,⁰⁰⁰~~204~~ Date of ~~survey~~ photos..... June 23....., 19 34

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

Chief of party..... M. H. Reese

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....., 19 34

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

..

Blueprint mfg, scale 1:10,204 filed 2/28/36

- 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. P. 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 _____

SMOOTH RADIAL LINE PLOT _____ H. C. Caulfield 7/11/35

RADIAL LINE PLOT CHECKED _____ E. P. Hernandez Jr.

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 DETAIL INKED _____ sq. Statute Miles (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore) 17.8 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

DATUM North American 1927 ✓

STATION LEAR 2 1934-1935 ✓
(Adjusted)

Three, 1935

*30° 15' 05.520 (1700 m) (Unadjusted),
67° 54' 58.902 (1574.7 m)*

Latitude 30° 15' 40.662" (1252.1 m.) ✓

Longitude 87° 56' 11.452" (306.1 m.) ✓

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5535

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 draftsman 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 in file in the office.*

II. CONTROL:

(A) Sources

1. Triangulation by Lieut. G. L. Anderson, 1934-35.

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

This plot is very wavy due to the fact that there is no control in the southern limits.

The graphic symbols used are those authorized by the Board of Surveys and Maps (1932) except the symbol (F) 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 miscellaneous points and 0.3 to 1.1 m.m. for other detail, (see pg. 3)
7.5.8.

S. S. Gill
Submitted by: S. S. Gill,
Draftsman.

M. H. Reese
Approved by: M. H. Reese,
Chief of Party.

Remarks

Decisions

1		
2	Called "Bottle" Pt. Clear on T Misc. 2 (1845)	
3		
4		
5		
6	Andrew's on T 3712	
7	Can find no authority for Hrg Bayou.	
8	Edith's Hammock on T 277, also on T 3712, Lake Off S.	
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GEOGRAPHIC NAMES
Survey No. T-5535

Name on Survey	On Chart No.		On previous survey No.		On U. S. Quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D	E	F	G	H	K		
<u>Mobile Bay</u>	1266										1
<u>Little Point Clear</u>	1266	T3712 T277									2
<u>Three Rivers</u>	1266	T3712 T277									3
<u>Bon Secour Bay</u>	1266	T277	(D.G.N.)								4
<u>Navy Cove</u>	1266	T3712									5
<u>St. Andrews Bay</u>	1266	T3712									6
Hog Bay	1266	T277									7
<u>Edith Hammock</u>	1266	T3712 T277									8
<u>Gulf of Mexico</u>	1266										9
<u>Saxon Bay</u>		T240									10
			Name underlined in red approved								11
			by <u>C. H. Baguel</u> on 2-6-36								12
											13
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											27

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

Misc. 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 1206⁶

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

The ponds on the chart at Long. $87^{\circ} 58 \frac{1}{2}'$ no longer exist.

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

Frank G. Erskine

Feb. 13, 1936

Frank G. Erskine

REVIEW OF AIR PHOTO COMPILATION NO. T-5535

Chief of Party: M. H. Reese

Compiled by: S. S. Gill

Project: Alabama-Florida Compilation Instructions dated: June 7, 1934

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; 26; 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. 26; 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. 28)

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 ~~marshy~~^{sandy} 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."

high

8. The representation of ~~low~~ water lines, ~~restoration~~ and ~~marks~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

Only high water line shown due to small ^{range of tides} ~~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 ~~reference station is correctly noted.~~ N. A. 1927 and the (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.

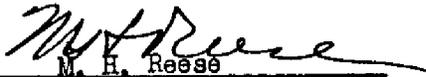
3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

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

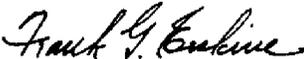
16. No additional surveying is recommended at this time.

17. Remarks:

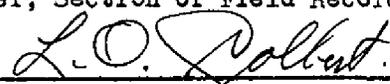
18. Examined and approved;

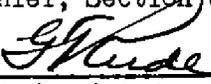

M. H. Reese
Chief of Party

19. Remarks after review in office:

Reviewed in office by: 

Examined and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.