

5496

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. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5496
~~Hydrographic~~

State Alabama

LOCALITY
Vicinity of Pensacola
~~Perdido Bay~~ *Perdido Bay*

~~Wolf Bay to Palmetto Creek~~

193 5

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

th
—
applied to drawing of Chart 1265 - Sept. 27, 1935 - J.W.
applied to Chart #872, ~~to~~ Jan. 16, 1947 A.G. H.

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. 25

REGISTER NO. T-5496

State Alabama
General locality Perdido Bay *Vicinity of Perdido Bay*
Locality Wolf Bay to Palmetto Creek
Scale $\frac{10,000}{1:10,638}$ photographs Date of survey July 11, 1934
~~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 Harry C. Ingerson
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 1:10,638. Enlarged and
printed by photolithography on scale of 1:10,000.
Scale factor 0.94.

- STATISTICS -

on

SHEET, FIELD NO. 25, REG. NO. T-5496

PHOTOS, NO. 238 TO NO. 258

DATE OF PHOTOGRAPHS 7/11/34 TIME 4:30 p.m.

	BY	DATE
		FROM TO
ROUGH RADIAL PLOT	<i>H.C. Smith</i> H. C. Smith	11/22/34
SCALE FACTOR (0.94)	<i>H.C. Smith</i> H. C. Smith	11/22/34
SCALE FACTOR CHECKED	<i>E.P. Hernandez Jr.</i> E. P. Hernandez, Jr.	11/22/34
PROJECTION	<i>E.P. Hernandez Jr.</i> E. P. Hernandez, Jr.	1/3/35
PROJECTION CHECKED	<i>R.E. Wagner</i> R. E. Wagner	1/3/35
CONTROL PLOTTED	<i>H.C. Ingerson</i> H. C. Ingerson	1/4/35
CONTROL CHECKED	<i>F.A. Donadieu</i> F. A. Donadieu	1/4/35

TOPOGRAPHY TRANSFERRED

TOPOGRAPHY CHECKED

SMOOTH RADIAL LINE PLOT	<i>H.C. Ingerson</i> H. C. Ingerson	1/17/35
RADIAL LINE PLOT CHECKED m	<i>E.P. Hernandez Jr.</i> E. P. Hernandez, Jr.	1/17/35
DETAIL INKED	<i>H.C. Ingerson</i> H. C. Ingerson	2/18/35
PRELIMINARY REVIEW OF SHEET	<i>E.P. Hernandez Jr.</i> E. P. Hernandez, Jr.	

TOTAL SHEET AREA 31.9 sq. Statute Miles

AREA OF DETAIL INKED 30.0 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)

15.3 Statute Miles

LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)

28.8 Statute Miles

GENERAL LOCATION ~~Perdido Bay~~ *Vicinity of Perdido Bay.*

LOCATION ~~Wolf Bay to Palmetto Creek~~

DATUM North American 1927 ~~Adjusted~~ *unadjusted*

Latitude 30° 21' 19.284" (593.8 m.)

STATION Swift 2 - 1934

Longitude 87° 36' 23.653" (631.7 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5496

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

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

The area covered by this sheet is mostly grass and woodland, interspersed by a large amount of cultivated land. This area extends from Wolf Bay on the southwest part of the sheet to Palmetto Creek on the southeast. Running into Wolf Bay are Graham Creek, Mifflin Creek, Sandy Creek, Wolf Creek, and Hammock Creek. Most of the land bordering these creeks, as well as around Wolf Bay proper, is marshy and wooded. The wooded areas consist mostly of pine and live oak.

There are several fresh water lakes north of Perdido Bay.

The land bordering Palmetto Creek is for the most part heavily wooded with pine and live oak. Along the southeast portion of the creek is a part of the settlement of Perdido Beach.

The area north of Wolf Bay and Palmetto Creek includes cultivated fields and a few orchards. North of Wolf Bay, near Sandy Creek, is the settlement of Mifflin.

There are two small bridges: one over Sandy Creek, and one over Mifflin Creek. These streams are small and no clearance is given for the bridges.

The range of normal tide in Wolf Bay area is less than a foot. Thus, since the difference is so small, the high water line was used in tracing shoreline.

All the area covered by this sheet was traced from photographs made by the Aero Service Corporation with their H.U.I.-33 five-lens camera. Photographs Nos. 287 to 309 were taken running approximately east and west along the northern portion of the sheet. Photographs Nos. 239 to 258 were taken running approximately east and west along the southern portion of the sheet. The flights overlapped.

II. CONTROL:

(A) Sources.

The following sources of control were used in the compilation of this sheet:

- (a) Triangulation by M. H. Reese, 1934.
- (b) Triangulation by George L. Anderson, 1934.

The geographic positions of these stations were computed on the North American 1927 Adjusted Datum.

(B) Errors.

There were no errors in the control used in the compilation of this sheet.

(C) Discrepancies.

There were no discrepancies in the compilation of this sheet.

III. COMPILATION:

(A) Method.

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

(B) Adjustment of plot.

There was no excessive tilt in the photographs used in tracing the sheet. Likewise the difference in scale between photographs and projection was such that very little adjusting was necessary when tracing.

(C) Interpretation.

The graphic symbols used are those approved by the Board of Surveys and Maps (1932), except the symbol (}) that was used to denote brush.

In Moccassin Bayou the limits of marsh were indicated by a broken line as the high water line is very indefinite.

(D) Information from other sources.

No information other than that mentioned under "General Information" was used in the compilation of this sheet.

(E) Conflicting names.

The only conflicting names on different charts of this area are that of "Graham Creek" (U. S. C. & G. S. chart No. 1265) which is shown on the Fire Control Map, 1919, of this area as "Grayhams Bayou", and that of "Mifflin Creek" (U. S. C. & G. S. chart No. 1265) which is shown on the Fire Control Map as "Miflin Creek". No mention of these names was made by the field inspection party.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets Nos. ~~T-5497~~ and T-5498 on the west, T-5495 on the south, and T-5493 on the east, are satisfactory.

No junction with this sheet.

General details check in shape with Chart 1265. An exact check could not be made between the two charts because of the large scale difference.

What was formerly a marshy island in Moccassin Bayou has built up until it now is connected with the mainland and forms a marshy peninsula.

V. LANDMARKS:

Landmarks of value to navigation are submitted by the hydrographic party. — *1. Rittenburg 1934-5 — none submitted*

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

To the best of my knowledge, this sheet is complete in all detail of importance for charting purposes, and no additional survey is required.

Submitted by: *Harry C. Ingerson*
Harry C. Ingerson,
Draftsman.

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

This compilation is believed to have a probable error of .3 to .5 mm for intersected points and .3 to .8 for all other detail

SPR J

8-28-25

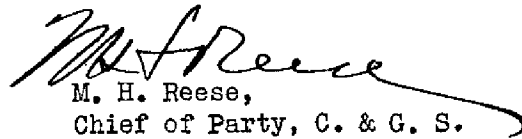
MEMORANDUM TO ACCOMPANY SHEET NO. T-5496

This sheet was compiled before the G.C.S. sheet had been completed by the party of Lieut. Rittenburg's.

The shore line from the compilation was transferred to the G.C.S. sheet and the plane table party was instructed to check the shore line at each set-up and at each topographic signal.

There were only two or three small differences on the whole sheet and these have been rectified.

The shore line now shown on the sheet is considered correct.


M. H. Reese,
Chief of Party, C. & G. S.

REVIEW OF AIR PHOTO COMPILATION T-5496

Scale 1:10,000

Comparison with Graphic Control Surveys.

(a) T-6253a (1934) scale 1:10,000 covers western part of area. No discrepancies.

The shore line of T-5496 was transferred to T-6253a prior to the plane table survey being made.

The U. S. Engineers grid system is shown in pencil on T-6253a and a description of it is contained in descriptive report for H-5723 pages 1 and 2.

All detail shown on T-6253a is shown on T-5496 except temporary plane table stations and U. S. Engineers grid system.

(b) T-6318a (1935) scale 1:20,000 covers area adjacent to Palmetto Creek. No discrepancies.

The shore line of Palmetto Creek was transferred from T-5496 to T-6318a before the plane table survey was made.

All detail for the area covered on T-6318a is now on T-5496 except temporary plane table stations.

Comparison with Previous Topographic Surveys.

(a) T-2033 (1891) scale 1:10,000 covers western part of area adjacent to water.

The change in the shore line has been between 5 and 10 m. in most instances except in Meflin and Hammock Creeks where the difference in shore line runs as high as about 50 m. in some places.

T-5496 is considered adequate to supersede T-2033 for the area covered.

(b) T-1981 (1891) scale 1:10,000 covers area adjacent to Palmetto Creek.

The differences in the shore line of Palmetto Creek run between 5 and 10 m.

Several small islands in Palmetto Creek have disappeared.

T-5496 is adequate to supersede T-2033 and T-1981 for the sections covered, except for the contours.

Comparison with Contemporary Hydrographic Surveys.

(a) H-5723 (1935) scale 1:10,000 covers southwestern part of area. No conflicts with hydrography.

(b) H-5833 (1935) scale 1:20,000 covers Palmetto Creek. No

conflicts with hydrography.

Comparison with Charts.

Chart 1265 scale 1:80,000 covers area adjacent to water.

The railroads shown on 1265 are no longer in existence.

For further discussion see page 4 of the descriptive report for T-5496.

Landmarks and Aids to Navigation.

There are no landmarks or aids to navigation in this area, on the chart, and none have been recommended.

August 26, 1935.

E. D. Reed, Jr.
E. D. Reed, Jr.

Frank G. Enslin B.G. Jones
Approved
K.T. Adams

REVIEW OF AIR PHOTO COMPILATION NO. T-5496

Chief of Party: M. H. Reese

Compiled by: H.C. Ingerson

Project: Ala.-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)

Discussed under "General Information" in descriptive report.

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.

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 *were 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.

Yes. *See memo*

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)

Yes.

7. High water line on marshy and ^{sandy} ~~marshy~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

High water line was drawn as indicated by field inspection party on field photographs.

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 low water lines, ~~reefs, coral reefs~~ and marsh ~~reefs~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, ~~39~~, 40, 41)

See III (C) of Descriptive Report.

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)

Yes.

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)

Yes.

Submitted Hydro Party
none submitted

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 of importance.

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)

All geographic names available are shown on overlay.

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

Yes.

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

Yes.

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

Yes.

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: *Frank G. Estlin* *B. G. Jones*

Examained and approved:

K. T. Adams
Asst Chief, Section of Field Records
L. O. Solbert
Chief, Division of Charts

J. S. Borden
Chief, Section of Field Work
Shude
Chief, Division of Hydrography
and Topography.

Date. August 27, 1935

Chart No. 1265

Diagram No. _____

Under investigation. Q

(M-136)