

5492

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JUN 10 1935

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 4 1936

Acc. No. _____

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5492
~~*Hydrographic*~~

State Florida-Alabama

LOCALITY

Perdido Bay

~~Blackwater River to Eleven Mile Creek~~

PERDIDO RIVER AND VICINITY

1934

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5492

Applied to Ct 1265 Jan 1937 PBC

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-5492

State..... Florida-Alabama

General locality..... Perdido Bay

Locality..... ~~PERDIDO RIVER AND VICINITY~~
~~Blackwater River to Eleven Mile Creek~~

Scale. 1:10,638 Date of ~~survey~~ ^{photos} July 11 & 18, 19 34

~~Vessel~~ Air Photo Compilation Party No. 24, Pensacola, Florida

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

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

Inked by..... R. S. French

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
on scale of 1:10,000 by photolithography. Scale factor 0.94.

- STATISTICS -

on

SHEET, FIELD NO. 20, REG. NO. T-5492
 226 229 (Acc. 516)
 PHOTOS, NO. 513 TO NO. 527 (Acc. 521)
7/11/34 3:15 p.m.
 DATE OF PHOTOGRAPHS 7/18/34 TIME 7:15 a.m.

	BY	DATE FROM TO
ROUGH RADIAL PLOT	--	
SCALE FACTOR (0.94)	--	
SCALE FACTOR CHECKED	--	
PROJECTION	<u>E. A. Danadieu</u>	<u>1/3/35</u>
PROJECTION CHECKED	<u>G. O. Colinet</u>	<u>1/3/35</u>
CONTROL PLOTTED	<u>H. A. Butters, Jr.</u>	<u>1/4-5/35</u>
CONTROL CHECKED	<u>H. C. Ingerson</u>	<u>1/7/35</u>
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	<u>E. P. Hernandez, Jr.</u>	<u>1/19/35</u>
RADIAL LINE PLOT CHECKED	<u>M. H. Huse</u>	
DETAIL INKED	<u>R. S. French</u>	<u>1/21 - 2/21/35</u>
PRELIMINARY REVIEW OF SHEET	<u>S. J. Gull</u>	<u>6-7-35</u>

AREA OF SHEET 28.35 sq. Statute Miles
 AREA OF DETAIL INKED 25.15 sq. Statute Miles (Land Area)
 AREA OF DETAIL INKED 3.20 sq. Statute Miles (Shoals in Water Area)

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

GENERAL LOCATION Perdido Bay

LOCATION PERDIDO RIVER AND VICINITY
~~Blackwater River to Eleven Mile Creek~~

DATUM North American 1927

STATION SECTION CORNER - 1935
UNAadjusted

14.214 437.7
 Latitude 30°27'14.214" (437.7 m.)
.675 .5
 Longitude 87°22'56.675" (1565.5 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5492

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 field photographs and from members of the field inspection party in areas where the draftsman could not determine the exact nature of the detail from the photographs.

The area covered by this sheet was traced from photographs numbered 513 to 527 and 225 to 229, inclusive. These photos were made by the Aero Service Corporation, with five-lens camera H.U.I.-33.

All the names appearing on this sheet were taken from the U.S.C. & G. Survey Chart No. 1265 and the U. S. Army Fire Control Map entitled "Gulf of Mexico to Perdido Bay".

The general characteristics of the terrain from the southern part of Blackwater River to the mouth of Eleven Mile Creek and approximately two miles east thereof, are shown on this sheet.

In the northwest corner of the sheet--just south of Lat. $30^{\circ}29'$ and at the approximate Long. $87^{\circ}27'15''$ --there ~~is a country club of a golf course~~ ^{is a lake}. South of this latitude and west of Perdido River, to the southern extremity of the sheet, the area is mostly marsh covered with grass, pine, cypress, round-leaved trees, and brush and cut-over areas.

The northern extremity of the sheet east of the Perdido River is firm ground with scattered pine and grass. The area between the abandoned railroad and Perdido River is, in general, swampy and includes a variety of trees. The same holds true for the area between the eastern shore of Perdido Bay and the abandoned railroad shown on the eastern section of the sheet. The land in the extreme eastern area of the sheet is cultivated for farms and orchards.

An attempt was made to establish radial points east of Long. $87^{\circ}22'$ and north of Lat. $30^{\circ}28'$ with photos 513-515 and 225-229, inclusive. The intersections from the "500" flight were too flat to be of any accurate value, hence a section of the
This area omitted from compilation.

abandoned railroad is omitted.

The northern area of the sheet above Lat. $30^{\circ}29'$ is only approximately located and represents the limits of the flight. The area in the western extremity of the sheet represents the end of the flight, and is considered accurately located.

The range of tide in this area is approximately one foot.

II. CONTROL:

(A) Sources.

The control for this sheet was obtained by a triangulation net run by M. H. Reese in 1934.

computations
The geographic positions were based on the North American 1927 Final Adjusted Datum.

III. COMPILATION:

(A) Method.

The radial line method of plotting was used in compiling the sheet.

(B) Adjustment of plot.

The scale was exceptionally uniform, showing that there was little or no tilt.

(C) Interpretation.

The symbols approved by the Board of Surveys & Maps were used to interpret the terrain, with the exception of the symbol (}) used to designate brush.

No distinction has been made between fresh and salt water marsh, the general symbol being used.

(D) Information from other sources.

There were no sources of information other than those mentioned under "General Information".

(E) Conflicting names.

There are no conflicting names on the sheet.

IV. COMPARISON WITH OTHER SURVEYS:

This sheet joins satisfactorily with sheet No. T-5493 on the southwest; T-5491 on the southeast; and No. T-5487 on the east.

The sheet has been compared with Chart 1265 and has the same general shore lines. It is to be noted, however, that the shoal shown on Chart 1265 at the approximate Lat. of $30^{\circ}27'$ and Long. $87^{\circ}22'$ does not appear on the photos.

The sheet has also been compared with the U. S. Army Fire Control Map and it has the same general terrain characteristics.

V. LANDMARKS:

The list of landmarks of value to navigation in this area is submitted by Lieut. I. E. Rittenburg. *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 further surveys are required.

E. P. Hernandez
for
Submitted by: R. S. French,
Draftsman.

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

See memo


This compilation is considered correct within 0.3 to 0.5 m.m. for intersected points and 0.3 to 0.8 m.m. for other details except marking lat. $30^{\circ}29'$ which ^{The error} will probably run to 2.0 m.m. (see page 4)

MEMORANDUM TO ACCOMPANY SHEET NO. T-5492

This sheet was compiled using the stations shown which were established in 1934. It was later decided that a scheme of triangulation up the Perdido River was necessary, and the stations were established after the drafting had been completed. All of the additional stations were tied in on the aerial photographs so as to check the compilation. When the stations were plotted on the compilation there was only one mistake that had been made in the compilation -- and that was on the small island where Station KIT is located, and it was due to an error made by the draftsman when tracing in the detail.

The shore line on this sheet was transferred to the aluminum sheet of Lieut. Rittenburg's party and was also checked by the topographer as the topographic signals were located for use of the hydrographic party. No errors were found in the area covered by the topographic party; therefore, it is assumed that the shore line as shown on this sheet is correct, except a portion of Blackwater River in the northwest corner of the sheet.

This was the first sheet done by this particular draftsman, and the drafting is very poor.


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

Survey No. T-5492

Date. June 25, 1935

GEOGRAPHIC NAMES

Chart No. 1265

FLORIDA - ALABAMA

Diagram No. _____

Approved by the Division of Geographic Names, Department of Interior. ✱

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

REVIEW OF AIR PHOTO COMPILATION T 5492
Scale 1:10,000

Comparison with Graphic Control Surveys

T 6318b (1935), 1:20,000

No discrepancies.

All detail on T 6318b within the limits of the compilation is shown on T 5492 except the magnetic meridian and temporary stations.

Comparison with Previous Topographic Surveys

T 2034 (1891), 1:10,000

T 2035 (1891), 1:10,000

The general features and most of the details have remained the same since these 1891 surveys. Most all of the small islands on T 2035 still exist in the same size and shape.

T 5492 is adequate to supersede T 2034 and T 2035 over the common area except for contours.

Comparison with Contemporary Hydrographic Surveys

H 5833 (1935), 1:20,000

A great deal of piling is shown on H 5833 which is not shown on T 5492, especially in Blackwater River. This piling is not visible in the photographs and has not been transferred to the compilation.

There are no conflicts with the hydrography.

Comparison with Chart No. 1265

The comparison with chart No. 1265 is covered under the comparison with previous topographic surveys.

There are no aids to navigation or landmarks in this area.

April 22, 1936.

Frank G. Erskine
Frank G. Erskine

REVIEW OF AIR PHOTO COMPILATION NO.

Chief of Party: M. H. Reese

Compiled by: R. S. French

Project: Florida-Alabama Compilation Instructions dated: June 7, 1935

- ✓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)

No supplementary surveys made.

- ✓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.

- ✓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 mangrove~~ 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, ~~reefs, coral reefs and rocks, and legends pertaining to them~~ is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

The difference between high and low water is so small that only the high water line was shown.

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 established other than triangulation station
Submitted by Lieut. I. E. Rittenburg.

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)

Submitted by Lieut. I. E. Rittenburg. *None in this area*

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)

There are 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)

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

Yes.

15. The drafting is *Good* 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: 

Examined and approved:


Chief, Section of Field Records


Chief, Section of Field Work


Acting Chief, Division of Charts


Acting Chief, Division of Hydrography
and Topography.