

5493

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

## DESCRIPTIVE REPORT

Topographic } Sheet No. T-5493  
~~Hydrographic~~

State Alabama - Florida

LOCALITY

Perdido Bay

~~Central Part~~  
Red Bluff to Grassy Point

Cummings Point

Date of <sup>1934</sup> photos July-1934

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5493

Applied to Lt 1265 Jan 1937- P.B.C.  
Applied to Lt 1265 Jan 1937- P.B.C. v.w.B 5/3/48

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. 22

REGISTER NO. T-5493

States Alabama - Florida

General locality Perdido Bay

Locality ~~Red Bluff to Grassy Point~~ Cummings Point

Scale 1:10,638 Date of photographs 7/11 & 16, 19 34

~~Notes~~ 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 & H. A. Butters, Jr.

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 1:10,638; enlarged and printed  
by photolithography on scale of 1:10,000. Scale factor 0.94.

- STATISTICS -

on

SHEET, FIELD NO. 22, REG. NO. T-5493

	230	236
PHOTOS, NO.	309	329
	365	373

TO NO. 373

DATE OF PHOTOGRAPHS 7/11/34 TIME 4:00 p.m.

BY

DATE

FROM

TO

ROUGH RADIAL PLOT ---

SCALE FACTOR (0.94) ---

SCALE FACTOR CHECKED ---

PROJECTION E. P. Hernandez, Jr. 12/12/34

PROJECTION CHECKED H. C. Smith 12/12/34

CONTROL PLOTTED M. B. Gill 12/13/34

CONTROL CHECKED S. S. Gill 12/13/34

TOPOGRAPHY TRANSFERRED ---

TOPOGRAPHY CHECKED ---

SMOOTH RADIAL LINE PLOT E. P. Hernandez-S. S. Gill-H. C. Smith 12/14 - 12/29/34

RADIAL LINE PLOT CHECKED E. P. Hernandez, Jr. 12/29/34

DETAIL INKED Shoreline: S. S. Gill 1/2/35  
Detail: H. A. Butters, Jr. 1/15 - 4/23/35

PRELIMINARY REVIEW OF SHEET S. S. Gill 4/24/35

TOTAL AREA OF SHEET 27.3 sq. Statute Miles

AREA OF DETAIL INKED 19.3 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)

15.2 Statute Miles

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

22.8 Statute Miles

GENERAL LOCATION Perdido Bay

LOCATION ~~Red Bluff to Grassy Point~~ Cummings Point.

DATUM North American 1927 Adjusted

Latitude 30°24'49.931" (1537.5 m.)

STATION Lillian 1934

Longitude 87°26'32.564" (869.3 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5493

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 areas where the draftsman could not determine the exact nature of detail from the photographs.

All names appearing on the sheet were taken from U.S. C. & G. Survey Chart No. 1265 or from field inspection notes.

The area covered by this sheet includes the town of Lillian and the northern part of Perdido Beach. The more important feature of the sheet is the shore line of Perdido Bay.

The western part of this area is generally wooded with pine and scrub oak. It is drained by Soldier's Creek and its tributaries, the latter being characterized by heavily wooded sloughs and marshy areas.

The north-central portion of this sheet has many farms and cultivated areas.

Two heavily wooded streams drain into Perdido Bay at about Latitude  $30^{\circ}21.6'$  - Longitude  $87^{\circ}27.9'$  and Latitude  $30^{\circ}23.2'$  - Longitude  $87^{\circ}27.2'$ , respectively.

Along the western shore of Perdido Bay there are several sand bluffs from ten to twenty feet high. ✓

The extreme northeastern part of this sheet is a low marshy area. Its vegetation is scattered pines, brush and grass.

The new Lillian Bridge (fixed), Latitude  $30^{\circ}24.3'$  - Longitude  $87^{\circ}25.8'$ , is of the trestle type having a reenforced concrete deck supported on wooden piling. Its greatest clearance (13 feet) is at the main channel. The bents are 40 feet wide at water line. *Reference plane for the vertical clearance not given. Bgg.*

Paradise Inn and vicinity are known locally as "Paradise Beach". The inn, beach, adjoining land and houses are a recreational center. (Approximate position Latitude  $30^{\circ}24.1'$  - Longitude  $87^{\circ}25.3'$ .)

The southeastern portion of the sheet is a generally wooded area having very little cultivated land.

The range of normal tide in this area is less than a foot and the difference between high and low water is so small that only the high water line was used in tracing shore lines.

All the area covered by this sheet was traced from photographs taken with Aero Service Corporation's H.U.I.-33 five-lens camera. Photos Nos. 230-236, 309-329 and 365-373, three overlapping flights, were used in tracing.

## II. CONTROL:

### (A) Sources.

The following source of control was used in the compilation of this sheet:

(a) Triangulation by M. H. Reese, 1934.

The geographic positions of these stations were computed on the North American 1927 Datum (Unadjusted).

The control for the area covered by this sheet is good.

### (B) Errors.

There were no errors in control used on this sheet.

### (C) Discrepancies.

No discrepancies were found in the compilation of this sheet.

## III. COMPILATION:

### (A) Method.

The usual five-lens radial method of plotting was used in compiling this sheet.

### (B) Adjustment of plot.

Most of the photographs used in the tracing of this sheet were free from excessive tilt and their scale did not differ greatly from that of the projection. The scales of the various photographs were reasonably uniform throughout the area.



(C) Interpretation.

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

The limits of sand bars and shoals as determined from the photos were shown as broken lines. *Low water line and approximate low water line changed to .....*

(D) Information from other sources.

No information other than that mentioned under "General Information" was used in the compilation of this sheet, except the name "Pegram" which was shown on a "Sectional Map of Northwest Florida" (The Scott Organization 1931) as pertaining to the area between Tarkiln Bayou and Perdido Bay. No mention of this name was made by the field inspection party.

(E) Conflicting names.

No conflicting names were found on the different charts of this area.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets Nos. T-5495 & T-5496 on the west, T-5492 on the north, T-5491 on the east, and T-5494 on the south, are satisfactory.

A comparison of this sheet with Chart 1265 shows no discrepancies in the general shapes of bays, inlets, etc., although ~~an exact check could not be made due to the difference in scale.~~

V. LANDMARKS:

Landmarks of value to navigation are submitted by Lieut.

I. E. Rittenburg's party.

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 surveys are needed.

*H. A. Butters, Jr.*  
Submitted by: H. A. Butters, Jr.  
Draftsman.

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

*This compilation is considered correct within 0.3 to 0.5 m.m. for interested points and 0.3 to 0.8 m.m. for other detail. 7-55*

MEMORANDUM TO ACCOMPANY SHEET NO. T-5493.

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The shore line and all topographic information near the shore line were transferred to Lieut. Rittenburg's topographic sheet. The topographer was instructed to check the shore line and topographic features at each plane table set-up and at each topo station located. No errors were found in the shore line as obtained from the photographs.

The area from Paradise Beach to Station Dupont, on the east shore of Perdido Bay, was reflowed by the Naval Air Station, using a single-lens camera. It was necessary to rephotograph this area due to the five-lens photos being too hazy to compile accurately the detail along the shore line. The regular five-lens radial line plot was made, and, afterwards, the single-lens pictures obtained from the Naval Air Station were enlarged to the exact scale of the projection, and the detail shown in the vicinity of the east shore of Perdido Bay was transferred from the photographs obtained from the Naval Air Station.

*These Navy photographs are not filed in  
the office. 4/22/36 FGE*

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



Survey No. T-5493

Date. June 23, 1935

## GEOGRAPHIC NAMES

Chart No. 1265

Florida.

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 5493  
Scale 1:10,000

Comparison with Graphic Control Surveys

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

No discrepancies. A pile at lat.  $30^{\circ} 22'$ , long.  $87^{\circ} 27 \frac{1}{3}'$  was transferred to this survey from T 6318a by F. G. E. and checked by L. S. S.

All detail on T 6318a over the common area is shown on T 5493 except temporary stations.

Comparison with Previous Topographic Surveys

T 1981 (1890-91), 1:10,000

T 2034 (1891), 1:10,000

There have been no major changes in this area since the 1891 surveys except for the construction of the Lillian Bridge. Numerous bluffs are shown on these old surveys. T 5493 shows all bluffs of charting importance.

T 5493 is adequate to supersede T 1981 and T 2034 over the common area except for contours.

Comparison with Contemporary Hydrographic Surveys

H 5833 (1935), 1:20,000

There are no conflicts with the hydrography.

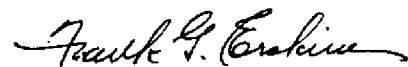
Stub piling in Tarkiln Bayou on H 5833 is not shown on the compilation.

Comparison with Chart No. 1265

Corrections and additions to the chart as a result of this survey are discussed under Comparison with previous surveys.

There are no lights or beacons in this area. All landmarks on the chart are shown on this survey. Chart letter 651 (1935) contains landmarks for this area.

April 22, 1936.



Frank G. Erskine

## REVIEW OF AIR PHOTO COMPILATION NO. T-5493

Chief of Party: M. H. Reese

Compiled by: H.A. Butters, Jr.

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)  
All necessary information for bringing charts up to date is shown on this compilation.
- ✓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)  
All changes as mentioned above were discussed in the 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 used.
- ✓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 <sup>sandy</sup> ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)  
High water lines were drawn as determined.

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, ~~reef, coral reefs~~ sand bars and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

See 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.~~ *True submitted.*

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)

Landmarks submitted by Lieut. Rittenburg's party. *Chart/Letter 651 (1935)*

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)

Yes.

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 names available are shown on overlay tracing.

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 *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;

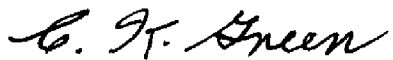
  
M. H. Reese  
Chief of Party


19. Remarks after review in office:

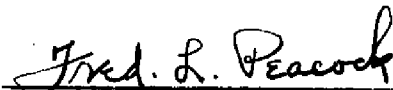
Reviewed in office by:

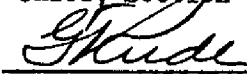


Examined and approved:

  
Chief, Section of Field Records

  
Acting Chief, Division of Charts

  
Chief, Section of Field Work

  
Chief, Division of Hydrography  
and Topography.