

5495

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|---|------------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey | |
| Field No. | Office No. <u>5495</u> |
| LOCALITY | |
| State <u>Alabama & Florida</u> | |
| General locality <u>Vicinity of Pensacola</u> | |
| Locality | |
| <u>1934</u> | |
| CHIEF OF PARTY | |
| <u>H. H. Reese</u> | |
| LIBRARY & ARCHIVES | |
| DATE | |

5495

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

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5495
~~Hydrographic~~

U. S. COAST & GEODETIC
LIBRARY AND ARCH

APR 23 1934

Acc. No.

State Alabama - Florida

LOCALITY
Vicinity of Pensacola
~~Perdido Bay~~

Perdido Bay to Wolf Bay

¹⁹³⁴
photographs taken July 1934

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5495

Applied to I.W.W. #872. Oct. 1946. A.J.H. - W.A.B. 3/9/48

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. 24

REGISTER NO. T-5495

State Alabama - Florida

General locality Perdido Bay Vicinity of Pensacola

Locality Perdido Bay to Wolf Bay

Scale 1:10,000 ^{photographs} Date of survey July 11 & 16, 1934

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

Chief of party M. H. Reese

Surveyed by See data sheet in descriptive report.

F. A. Donadieu

Inked by H. C. Moore

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, 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. 24, REG. NO. T-5495

PHOTOS, NO. 413 TO NO. 432
238 258
 DATE OF PHOTOGRAPHS 7/16/34 8:30 a.m.
7/11/34 3:30 p.m.

| | BY | DATE FROM TO |
|-----------------------------|--|------------------|
| ROUGH RADIAL PLOT | H. C. Smith <i>H.C. Smith</i> | 11/22/34 |
| SCALE FACTOR (0.94) | H. C. Smith <i>H.C. Smith</i> | 11/22/34 |
| SCALE FACTOR CHECKED | E. P. Hernandez, Jr. <i>E.P. Hernandez, Jr.</i> | 11/22/34 |
| PROJECTION | E. P. Hernandez, Jr. <i>E.P. Hernandez, Jr.</i> | 11/23/34 |
| PROJECTION CHECKED | R. E. Wagner <i>R.E. Wagner</i> | 11/23/34 |
| CONTROL PLOTTED | H. C. Smith <i>H.C. Smith</i> | 11/23/34 |
| CONTROL CHECKED | M. B. Gill, Jr. <i>M.B. Gill, Jr.</i> | 11/24/34 |
| TOPOGRAPHY TRANSFERRED | | |
| TOPOGRAPHY CHECKED | | |
| SMOOTH RADIAL LINE PLOT | H. C. Smith <i>H.C. Smith</i> | 11/27 - 12/8/34 |
| RADIAL LINE PLOT CHECKED | E. P. Hernandez, Jr. <i>E.P. Hernandez, Jr.</i> | 12/8/34 |
| DETAIL INKED Shoreline: | F. A. Donadieu <i>F.A. Donadieu</i> | 12/12 - 12/14/34 |
| Detail: | H. C. Moore & H. A. Butters <i>H.C. Moore & H.A. Butters</i> | 12/17 - 12/31/34 |
| PRELIMINARY REVIEW OF SHEET | E. P. Hernandez, Jr. <i>E.P. Hernandez, Jr.</i> | 1/26/35 |

AREA OF DETAIL INKED 17.9 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)
50.7 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
15.8 Statute Miles
 GENERAL LOCATION Vicinity of Pensacola
Perdido Bay
 LOCATION Perdido Bay to Wolf Bay
 DATUM North American 1927 (Unadjusted)

Latitude 30°18'59.131" (1820.8 m.)

STATION Inerarity West 2 1911-1934

Longitude 87°29'50.913" (1360.2 m.)

COMPILER'S REPORT
FOR
PHOTO TOPOGRAPHIC SHEET NO. T-5495
FIELD NO. 24

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 in which the draftsman could not determine the exact nature of the detail from the photographs.

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

The area covered by this sheet includes the settlements of Perdido Beach, Josephine, Caswell, Orange Beach, and the entrances to Wolf Bay and Perdido Bay, which are its most important features.

The southwestern section of this sheet consists of a series of sand ridges which are roughly parallel to the Gulf of Mexico. The areas between the ridges are low, intermittently wet, and heavily wooded with brush, scrub oak and pine.

The immediate shoreline along the Gulf is characterized by many sand dunes and almost no vegetation.

The area south and east of Portage Creek is generally grassy with scattered pines. In this area there are also two heavily wooded sloughs and a graded sand road which runs east to the settlements of Orange Beach and Caswell. At the entrance to Portage Creek there are several sand piles consisting of dredging spoil.

The section on either side of Wolf Bay is outover land, grassy with scattered pine trees. Throughout the area covered by this sheet there is very little cultivated ground.

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

All the area covered by this sheet was traced from photographs taken with the Aero Service Corporation's H.U.I.-33 five lens camera. Photographs Nos. 239 to 258 and Nos. 413 to 431, two overlapping flights running approximately east and west, 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.

" " G. L. Anderson, 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 except in the north central portion where the detail is of less importance. Here the azimuth and radial intersections were held for orientation.

(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 line method of plotting was used in the compilation of this sheet.

(B) Adjustment of plot.

The photographs used in tracing 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 quite uniform throughout the area.

(C) Interpretation.

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

~~The limits of marsh extending beyond the high water line were denoted by a broken line. Limits of sand bars and shoals as determined from photos were also shown as broken lines.~~

(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 name on different charts of this area is that of "Bayou St. John" (U. S. C. & G. S. Chart No. 1265) which is shown on the Sectional Map of Northwest Florida (The Scott Organization 1931) as "Ornocor Bay". No mention of this name 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, No. T-5496 on the North, and No. T-5494 on the East, are satisfactory.

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

The pond (Latitude $30^{\circ}16.6'$ - Longitude $87^{\circ}33.2'$) at the extreme end of Alabama Point no longer has an open outlet, the latter having shoaled up into a swampy area.

The island (Latitude $30^{\circ}16.7'$ - Longitude $87^{\circ}32.3'$), previously shown at the southwest end of Ono Island, has built up in an eastward direction and is now the western extremity of Florida Point.

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 intersected points and 0.3 to 0.8 m.m. for other detail, except in the north central portion. This area is considered correct within 1/3 m.m. See page 3.

A. G. E.

MEMORANDUM TO ACCOMPANY SHEET NO. T-5495

The shore line of Perdido Bay and Palmetto Creek was transferred to the G.C.S. sheet of Lieut. Rittenburg before the topographic signals were located by the plane table. The plane table party was instructed to check the shore line at each set-up and at each topographic station. Very few small differences were found, and these have been rectified.

The U. S. Engineer stations along Bay La Launch and Portage Creek were tied in on the photographs and located by radial line intersections. The same stations were located by the plane table party, and the positions that appear on the compilation were scaled from the G.C.S. sheet. In practically all cases, the positions obtained by the plane table agreed with the positions obtained by the radial line plot. If any difference was found, the plotting of the station on the photograph was checked and the discrepancy rectified.

The shore line, north and south shore, of Bay La Launch was between the two overlapping flights of this area, making it very difficult to trace the shore line in this section, but due to checks obtained by the field topographic party it is felt that the shore line as it now appears on the compilation is correct.

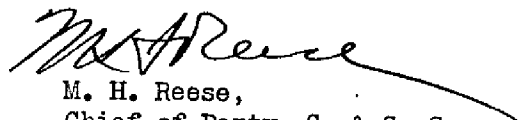
The day marks and channel markers shown on this sheet were scaled from the G.C.S. sheet.

The details in the vicinity of Bayou St. John, Perdido Bay Entrance and Old River have been checked against the smooth hydrographic sheet of Lieut. Rittenburg's party, and there are no differences between the smooth hydro sheet and the compilation.

See special report on offshore shore line, filed in descriptive report T-5494.

Geographic Names.

There are two new names that appear on this compilation: Orange Beach and Perdido Beach. These names are in well-established usage.


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

Remarks

Decisions

| | | |
|----|--|--|
| 1 | | |
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| 15 | | |
| 16 | | |
| 17 | <i>Sectional map of NW Florida "ORNOCOR BAY"</i> | |
| 18 | | |
| 19 | <i>PERDIDO R. ON 1035</i> | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | <i>USGB decision</i> | |
| 25 | | |
| 26 | | |
| 27 | | |

GEOGRAPHIC NAMES
Survey No. T-5495

| Name on Survey | A | B | C | D | E | F | G | H | K | |
|---------------------------------|------|----------------|---|---|---|---|---|---|---|----|
| <u>Perdido Beach</u> | | | | | | ✓ | | | | 1 |
| <u>Palmetto Creek</u> | 1265 | | | | | | | | | 2 |
| <u>Josephine</u> | | | | ✓ | | ✓ | | | | 3 |
| <u>Ross Point</u> | 1265 | T1979 | | | | | | | | 4 |
| <u>Perdido Bay</u> | 1265 | T1979 | | | | | | | | 5 |
| <u>Inerarity Point</u> | 1265 | | | | | | | | | 6 |
| <u>Mill Point</u> | 1265 | T1979 | | | | | | | | 7 |
| <u>Bear Point</u> | 1265 | T1035 T1979 | | | | | | | | 8 |
| <u>Hatchet Point</u> | 1265 | T1979 | | | | | | | | 9 |
| <u>Stone Quarry Bayou</u> | | T1979 | | | | | | | | 10 |
| <u>Bay La Launch</u> | 1265 | T1979 | | | | | | | | 11 |
| <u>Sapling Point</u> | 1265 | T1979 | | | | | | | | 12 |
| <u>Wolf Bay</u> | 1265 | T1979 | | | | | | | | 13 |
| <u>Portage Creek</u> | 1265 | T1979 | | | | | | | | 14 |
| <u>Orange Beach</u> | | | | ✓ | | ✓ | | | | 15 |
| <u>Caswell</u> | | | | ✓ | | ✓ | | | | 16 |
| <u>Bayou St. John</u> - Sec. 11 | 1265 | T1035 T1979 | | | | | | | | 17 |
| <u>Oro Island</u> | 1265 | T1979 | | | | | | | | 18 |
| <u>Old River</u> | 1265 | T1979 | | | | | | | | 19 |
| <u>Florida Point</u> | | T1979 T1035 | | | | | | | | 20 |
| <u>Alabama Point</u> | 1265 | T1979 | | | | | | | | 21 |
| <u>Cotton Bayou</u> | 1265 | T1979 | | | | | | | | 22 |
| <u>Gulf of Mexico</u> | 1265 | T1035 T1979 | | | | | | | | 23 |
| <u>Ingram Bayou</u> | | | | | | | | | | 24 |
| | | | | | | | | | | 25 |
| | | | | | | | | | | 26 |
| | | | | | | | | | | 27 |

Names underlined in red approved

by OTegus on 2-3-36

REVIEW OF AIR PHOTO COMPILATION T 5495
Scale 1:10,000

Comparison with Graphic Control Surveys

| | | |
|---------|------------|----------|
| T 6251b | (1934-35), | 1:10,000 |
| T 6252b | " | " |
| T 6253a | " | " |
| T 6254a | " | " |
| T 6318a | 1935 | 1:20,000 |

Triangulation station W9 (U.S.E.) 1934 (shown on T 6252b) is the origin of the U. S. Engineer grid system in this area, Lat. 20,000, Dep. 20,000. The azimuth from W 9 to W 10 as determined by triangulation in 1934 is $173^{\circ} 11' 01.5''$.

Differences exist between this ^{compilation} survey and the graphic control surveys in the outer coast shoreline. The shoreline on this survey is accepted as of July 16, 1934 (date of photographs). See special report on this shoreline filed in descriptive report T 5494.

Topographic station P.D. 27 U.S.E. was shown on both T 6251b and T 6252b as a described station but no card was submitted.

Except for the outer coast line all common detail on T 6251b, T 6252b, T 6253a and T 6254a is on this survey except the magnetic meridian and temporary stations.

Comparison with Previous Topographic Surveys

| | | |
|---------|------------|----------|
| T 1035 | (1867), | 1:10,000 |
| T 1042 | (1867), | 1:10,000 |
| T 1979 | (1890), | 1:10,000 |
| T 1980 | (1890), | 1:10,000 |
| T 1981 | (1890-91), | 1:10,000 |
| T 2088 | (1892), | 1:20,000 |
| T 1979a | (1911), | 1:20,000 |
| T 3714 | (1918), | 1:40,000 |
| T 3793 | (1920), | 1:20,000 |

The greatest change between this ^{compilation} survey and these previous surveys is in the entrance to Bayou St. John. The 1911 survey shows an inlet to Old River at Long. $87^{\circ} 31.3'$ which is now closed. Except for the drastic changes around the entrance, the general features are in fairly good agreement. Bluffs are shown on several of the previous surveys. T 5495 shows all bluffs of charting importance.

T 5495 is adequate to supersede the above surveys, except for contours, over the common area.

Comparison with Contemporary Hydrographic Surveys

| | | |
|--------|---------|----------|
| H 5706 | (1935), | 1:10,000 |
| H 5723 | " | " |
| H 5730 | " | 1:20,000 |
| H 5833 | " | " |

In Old River at Long. $87^{\circ} 32'$, H 5706 shows an island about 175 meters long. On the compilation three small islands are shown. *The compilation delineation has been checked with the photographs*

There are no conflicts with the hydrography.

Comparison with Chart 1265

This survey has been applied to the present edition (1/24/36) of the chart.

The island in Old River at Long. $87^{\circ} 32'$ on the chart should be shown as three islands.

Docks have been omitted on the chart in the following places:

In Palmetto Creek at Perdido Beach, two docks.
In the creek just west of Josephine, four docks.
Just east of Orange Beach opposite Sapling Pt., two docks.

All lights and day marks on the chart in this area are on the compilation.

There are no landmarks in this area.

Frank G. Enslin

April 16, 1936.

REVIEW OF AIR PHOTO COMPILATION NO. T-5495

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 the 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. *See memo*
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 used. *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 ^{sandy} ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)
High water line was drawn as determined by the field inspection party. *See special report for Concerning offshore shoreline.*

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

See paragraph under "Interpretation" in 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. Submitted Lt. Pattenberg
Filed under T-62516, T-62525, & T-6253a.*

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 by Lt. Pattenberg

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. No bridges.

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 tracing.

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 *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:

See also typed review preceding these pages.


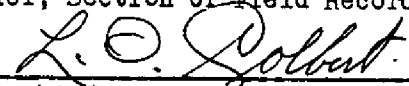
18. Examined and approved;

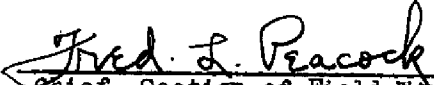


M. H. Reese,
Chief of Party

19. Remarks after review in office:

Reviewed in office by: *Frank G. Eskine*

Examined and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.