

5491

U. S. COAST & GEODETIC SURVEY
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OCT 17 1935

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

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5491
~~Hydrographic~~

State Florida

LOCALITY

Perdido Bay

Mill view

~~Grassy Point to Corry Field~~

193 5

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5491

Applied to Cht 1265 Jan 1937 P.B.C.-
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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. 19

REGISTER NO. T-5491

State Florida

General locality Pardido Bay

Locality ~~Cassidy Point to Corry Field~~ Millview

Scale 1:10,638 Date of survey photographs 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.

Inked by H. C. Moore

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
on scale of 1:10,000 by photolithography. Scale factor 0.95.

- STATISTICS -

on

SHEET, FIELD NO. 19, REG. NO. T-5491

	220	229
PHOTOS, NO.	329	TO NO. 365
	346	
	7/11/34	3:15 p.m.
DATE OF PHOTOGRAPHS	7/11/34	4:00 p.m.
	7/16/34	8:00 a.m.
	TIME	

	BY	DATE FROM TO
ROUGH RADIAL PLOT	---	---
SCALE FACTOR (0.94)	---	---
SCALE FACTOR CHECKED	---	---
PROJECTION	<i>E. P. Hernandez Jr.</i>	12/8/34
PROJECTION CHECKED	<i>H. C. Smith</i>	12/8/34
CONTROL PLOTTED	<i>M. B. Gill Jr.</i>	12/10/34
CONTROL CHECKED	<i>H. C. Smith</i>	12/11/34
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	<i>M. H. Reese - E. P. Hernandez</i>	1/16/35
RADIAL LINE PLOT CHECKED	<i>M. H. Reese - E. P. Hernandez</i>	1/16/35
DETAIL INKED	<i>H. C. Moore</i>	1/17 - 2/11/35
PRELIMINARY REVIEW OF SHEET	<i>S. S. Gill</i>	3/8/35

TOTAL AREA OF SHEET 34.0 sq. Statute Miles
 AREA OF DETAIL INKED 27.6 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)

6 Statute Miles

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

9 Statute Miles

GENERAL LOCATION Perdido Bay

LOCATION *Millview*
~~Grassy Point to Corry Field~~

DATUM North American 1927 (Adjusted)

Latitude 30°25'19.617" (604.1 m.)

STATION Hinrichs 1934

Longitude 80°20'49.617" (1324.3 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5491

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

The names appearing on this sheet were taken from old charts of this area, and from notes made by the field inspection party.

The area covered by the sheet consists of Perdido Bay, the almost abandoned town of Millview, Corry Field, Bayou Marcus, Bridge Creek, Grassy Point, and a well farmed section east of Millview, as the most important features.

The general character of the land area consists of sparsely wooded, high, sandy, grass covered ridges with more densely wooded, low, intermittently marshy sloughs. There are very densely wooded swamplands along the banks of the streams in this area. Pine, scrub and live oak, and other varieties of broad-leaved trees, with some low brush, compose the principal vegetation.

The normal tide range for Perdido Bay is approximately 1.2 feet. The difference between high and low-water lines is so slight that only the high-water line is shown on this compilation.

The area covered by this sheet was traced from photographs made by the Aero Service Corporation's five-lens camera H.U.I.-33, using photos Nos. 220-229, taken 7/11/34 at 3:15 p.m., running approximately east and west along the northern portion of the sheet. Photo No. 329, taken at 4:00 p.m. 7/11/34, was used to trace Grassy Point in the northwestern corner of the sheet. Photos 346-365 running approximately east and west, taken 7/16/34 at 8:00 a.m., were used to trace the lower half of the sheet.

II. CONTROL:

(A) Sources.

Triangulation by M. H. Reese, 1934.

The geographic positions of all stations were computed directly on the North American 1927 ~~Adjusted~~ *unadjusted* Datum.

(B) Errors.

The control used for this sheet was adequate and no errors were found.

(C) Discrepancies.

None were found in the compilation of this sheet.

III. COMPILATION:

(A) Method.

The usual five-lens radial line method of plotting was used on this sheet.

(B) Adjustment of plot.

The scale of the photos was fairly uniform and no more than the usual amount of tilt and distortion was encountered. The shore line and detail along Perdido Bay is subject to error due to the dimness of the prints, and the overhanging trees. Station "M.L.C. Stack 1934" was hard to pick accurately for this reason, and intersections in the ~~radial~~ plot were poor in this area. *See attached memo.*

(C) Interpretation.

Only the graphic symbols as approved by the Board of Surveys and Maps (1932) were used in the compilation of this sheet, except for the symbol ({) used to denote brush.

A single broken line denotes sand trail; a double broken line, a passable dirt road; and a double full line indicates a paved highway *on a first class sand clay road*

(D) Information from other sources.

None.

(E) Conflicting names.

None.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets Nos. T-5492 and T-5487 on the north, T-5493 on the west, T-5490 on the south, and T-5488 on the east, are all satisfactory.

By comparing this sheet with previous surveys, it is seen that new roads are the only change. ~~However, a close comparison is impracticable due to the difference in scale.~~ A large mill at Millview, with numerous wharves, is shown on Chart 1265. All of these are gone except small boat landings. Many of the wharf pilings are still standing in the water, as shown on the compilation.

V. LANDMARKS:

Landmarks of value for navigation purposes are submitted on Form 567 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 further survey is necessary.

H. C. Moore

Submitted by: H. C. Moore,
Draftsman.

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

✓

MEMORANDUM TO ACCOMPANY SHEET NO. T-5491.

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.

All of the piling shown on the compilation in the vicinity of ~~Hinrichs~~ was obtained from the G.S.C. sheet, as the photographs in this vicinity were too indefinite to obtain accurately this information.

The area from Bayou Marcus on the south shore of Perdido Bay to the limits of this sheet was reflowed by the Naval Air Station, using ~~single-lens~~ camera. It was necessary to re-photograph 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, ~~as~~ ^{and} the detail shown in the vicinity of the south shore of Perdido Bay was transferred from the photographs obtained from the Naval Air Station.

There are a number of abandoned railroads appearing on this sheet, and their positions check very well with the fire control maps made by the Army at about 1920.


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

Review of Air Photo Compilation T 5491

Scale 1:10,000

Comparison with Graphic Control Survey

T 6318a and b (1935), scale 1:20,000.

Cover only area adjacent to water.

A few minor discrepancies were found; in each case T 5491 was accepted.

The shoreline of T 5491 was transferred to T 6318a and b prior to the plane table survey.

All detail for the area covered on T 6318 a and b is on T 5491 except the magnetic meridian and temporary plane table stations.

Comparison with Previous Topographic Surveys

T 2034 (1891), scale 1:10,000

Covers only area adjacent to water.

The change in the shoreline has been between 5 and 10 meters except in a very few instances where it was greater.

The docks are in ruins and much of the piling at Millview has disappeared along with the greater part of the town itself.

The road scheme has changed considerably since T 2034 was made.

T 5491 is adequate to supersede T 2034 for the area covered except for the contours.

Comparison with Contemporary Hydrographic Survey

H 5833 (1935), scale 1:20,000

Covers area adjacent to water.

No conflicts with the hydrography were found.

Comparison with Chart

Chart No. 1265, scale 1:80,000

Covers all area adjacent to water.

See page 4, descriptive report for T 5491, for discussion.

Landmarks and Aids to Navigation

There are no landmarks nor aids to navigation in this area on the chart and none have been recommended.

August 29, 1935.

H. D. REED

Frank J. Kiskine

REVIEW OF AIR PHOTO COMPILATION NO. T-5491

Chief of Party: M. H. Reese

Compiled by: H. C. Moore

Project: 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.

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.

see memo attached

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~~ *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."

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)

None of these 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)

~~yes~~ none 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)

~~Submitted by 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)

No bridges of importance to navigation.

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.

~~(Adjusted)~~
unadjusted

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

Yes.

15. The drafting is ~~satisfactory~~ *fair* 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)

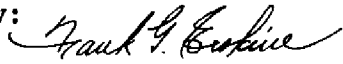
16. No additional surveying is recommended at this time.

17. Remarks:

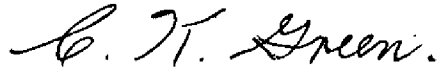
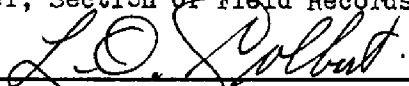
18. Examined and approved;

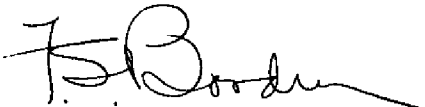


M. H. Reese,
Chief of Party

19. Remarks after review in office:

Reviewed in office by: 

Examined and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.