

Kelley 1924 Form 524 Filed

3501

3501

Form 501
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5501
~~Hydrographic~~ }

State Florida

LOCALITY

~~Choctawhatchee Bay~~
Choctawhatchee Bay
~~Moreno Point~~
Piney Pt & Vicinity
~~from Indian Bayou to Long 86° 20' 30"~~

193 5

CHIEF OF PARTY

M. H. Reese

applied to chart 1264
applies to chart 870

Feb. 1, 1938
July 1946

G.H.S.
M. Hunsberger

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-5501

T5501

State Florida

General locality ~~Choctawhatchee Bay~~ ^{o.k.} Moreno Pt

Locality ~~Moreno Point - from Indian Bayou to Long~~ ^{Pin} 86°20'30"

Scale 1:10,000 Date of photos Sept. 17 34.
survey January 19.35.

~~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 C. Carter Brown

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 and printed on 1:10,000 scale by photo-
lithography. Scale factor 1.00.

...

185

- STATISTICS -

on

SHEET, FIELD NO. _____, REG. NO. T-5501
 C-105 C-109
 PHOTOS, NO. 4 TO NO. 10
 9/17/34 4:15 p.m.
 DATE OF PHOTOGRAPHS 1/11/35 TIME --

	BY	DATE FROM TO
ROUGH RADIAL PLOT	--	
SCALE FACTOR (1.00)	--	
SCALE FACTOR CHECKED	--	
PROJECTION	A.A.Voss - E. P. Hernandez, Jr.	3/9/35
PROJECTION CHECKED	S.S.Gill - E. P. Hernandez, Jr.	3/9/35
CONTROL PLOTTED	A. A. Voss	3/11/35
CONTROL CHECKED	R. S. French	3/11/35
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	E. P. Hernandez, Jr.	5/22/35
RADIAL LINE PLOT CHECKED	M. H. Reese	5/22/35
DETAIL INKED	C. Carter Brown	5/22 - 5/30/35
PRELIMINARY REVIEW OF SHEET	E. L. Fitch	6/21/35

TOTAL AREA OF SHEET 24.85 sq. Statute Miles
 AREA OF DETAIL INKED 10.14 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) 16.0 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 11.1 Statute Miles

GENERAL LOCATION ~~Choctawhatchee Bay~~ ~~Moreno Pt.~~ Choctawhatchee Bay
 LOCATION ~~Moreno Pt.~~ Piney Pt. & Vicinity ~~from Indian Bayou to Long. 86°20'30"~~
 DATUM North American 1927
 STATION GILLIS 1934 (Adjusted)
 * HOVAN 1934 (UNADJUSTED)

Latitude 30°23'03.134" (96.5 m.)
 Longitude 86°23'16.886" (450.8 m.)
 LAT. 30° 23' 41.075" (1264.8 m.)
 LONG. 86° 23' 14.600" (389.7 m.)

* To be used as reference station.

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5501

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

All information other than that available from photographs was obtained from members of the field inspection party. The draftsman assisted in the field inspection along the south central portion of the sheet.

The entire area of the sheet is known as Moreno point, a narrow strip of land separating the Gulf of Mexico from Choctawhatchee Bay. Along the Gulf shore runs Florida State Highway No. 115, an asphalt highway. There are a wide sand beach and sand dunes between the highway and the Gulf. Down the center of Moreno Point runs an old trail. On the north side of the trail, pines, oaks, grassy areas, and low wooded areas are found. South of the trail the ground is higher and much more brush appears intermingled with trees. Very few houses and cultivated fields appear on the sheet, those few appearing being in the eastern half of the sheet. Several small lakes are found down near the coast line. Their high-water lines are indefinite in places, due to growths of lilies which tend to obliterate the actual shore line.

Names appearing on the sheet were taken from U.S. Coast and Geodetic Survey Chart No. 185.

The photographs used in tracing this sheet were made by the Aero Service Corporation and by the U. S. Navy Department. Aero Service single-lens pictures Nos. C-105 through C-109, taken at 4:15 p.m. September 17, 1934; and Navy Department pictures (single-lens) Nos. 4 through 10, taken in January 1935. Both flights run east and west across the sheet.

Due to the fact that the normal range of tide in this locality is so small (approximately 1.2 ft.), only the high-water line was shown.

II. CONTROL:

(A) Sources.

1. Triangulation by M. H. Reese, 1934.
2. Triangulation by G. L. Anderson, 1934.

An error in the radial plot was responsible for the belief that the geographical position of T.T. 63D-1934 was in error. The error has been corrected and important detail in the vicinity of the station, in question, has been changed.

Bgg

Considerable difficulty was encountered in running the radial plot for this sheet, due to distortion in photographs near the edges. Control was hard to plot on photos due to indistinct appearance of the photos. Consequently, a theodolite and tape traverse was run from Station GILLIS 1934 to Station RENO 1934, to supplement existing control. An error of 5.4 meters in latitude and 5.3 meters in longitude was adjusted throughout the traverse and computed geographic positions of the traverse stations were plotted. These stations were not marked but were tied in on the photographs, and the traverse aided considerably in producing a satisfactory radial plot. The Aero Service Corporation's pictures were very indistinct however, and shore line was sometimes delineated as it appeared on the clearer Navy Department photographs.

(B) Errors.

No errors were encountered in control of this sheet.

III. COMPILATION:

(A) Method.

The standard single-lens method of radial plot was used.

(B) Adjustments of plot.

~~No marked adjustment of plot appeared on this sheet.~~

Ties were made to stations along the U. S. Geological Survey transit traverse from triangulation stations located in 1935 by Lieut. George L. Anderson. This was done to obtain a factor which when applied to the U. S. Geological Survey T.T. stations would change them from the North American Datum to the North American 1927 Datum. ~~This factor, -0.47" in latitude and +0.13" in longitude, was applied to "T.T. 63D, 1934", however, it would not hold with the radial line plot. The position as obtained by radial plot is submitted on Form 524 and the station is shown on this compilation by a 2.5 mm. circle.~~

See
opposite page

There was considerable difficulty encountered in making this plot due to poor photos.

(C) Interpretation.

All symbols appearing on this compilation are those authorized by the Board of Surveys and Maps (1932), except the symbol ({) which is used to designate brush.

(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.

No conflicting names appear on this sheet.

(F) New names.

No new names appear on this sheet.

IV. COMPARISON WITH OTHER SURVEYS:

Junctions with sheet T-5526 to the East and sheet T-5500 to the West are in agreement.

No contemporary surveys were available with which to compare this area.

V. LANDMARKS:

No landmarks ~~were submitted.~~

submitted for navigation purposes in the area covered by this sheet.

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

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

Submitted by: *C. Carter Brown*
C. Carter Brown,
Draftsman.

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

** The shoreline of Chestawatchee Bay has been checked by a top party under Lieut. Pittsburg.*

REVIEW OF AIR PHOTO COMPILATION T-5501

Scale 1:10,000

Comparison with Graphic Control Surveys

1. T-6419 (July-Aug. 1935) 1:20,000

No discrepancies noted.

2. T-6420 (July-Aug. 1935) 1:20,000

No discrepancies noted.

All detail on the Graphic Control sheets within the area of this compilation is now shown on the compilation with the exception of temporary plane table stations and magnetic meridians.

Comparison with Contemporary Hydrographic Survey

H-5869 (July-Aug. 1935) 1:20,000

No discrepancies noted.

Comparison with Previous Topographic Survey

T-1269 (1872) 1:20,000

Silting and erosion has effected numerous changes in the shoreline bordering Choctawhatchee Bay and the Gulf of Mexico. Interior ponds and lakes show similar changes. However, the general topography has remained the same and this compilation is complete and adequate to supersede previous topographic surveys.

Comparison with Chart No. 185 (1:80,000)

The usual minor differences in shoreline are in evidence. There are no major discrepancies. That portion of Chart 185 covered by this compilation shows no landmarks or aids to navigation which is consistent with the compilation.

General

Types and limits of culture in interior is only fairly shown and defined.

Dec. 10, 1936.

Frank R. Galloway
Aggones

GEOGRAPHIC NAMES

Survey No. T-5501

✓ Applied to 37C

5-27-46

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ <u>Indian Bayou</u>	185									1
✓ <u>Piney Point</u>	"									2
✓ <u>Choctawhatchee Bay</u>	"									3
✓ <u>Gulf of Mexico</u>	"									4
✓ <u>Moreno Point</u>	"									5
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Names underlined in red approved
by K.T.A. on 10/8/35

Remarks

Decisions

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REVIEW OF AIR PHOTO COMPILATION NO. T-5501

Chief of Party: M. H. Reese

Compiled by: C.C. Brown

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)
Yes.
- ✓ 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.
~~No contemporary surveys of that nature available.~~
- ✓ 6. *Has been compiled with*
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)
Mentioned in descriptive report.
- ✓ 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."

- ✓ 8. The representation of ^{high} ~~low~~ water lines, ~~reefs, coral reefs and rocks~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)
- Yes.
- ✓ 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)
- None submitted.
No landmarks suited for navigation are located 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)
- None appear on compilation.
- ✓ 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. Geographic names appear 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:
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

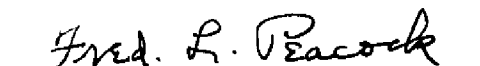
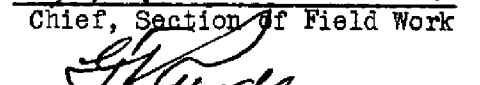
19. Remarks after review in office:

Reviewed in office by:

 Frank R. Dolbow

Examined and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.