

5505

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-5505
Hydrographic }

State Florida

LOCALITY

Lake Wimico

Intracoastal Waterway -

Apalachicola River to White City.

Lake Wimico and Vicinity

1935

CHIEF OF PARTY

M. H. Reese.

Applied to Chart 1262 Dec. 1939 - D. S. S.

Applied to chart 866 June 1946 W. A. B.

" " " 867 July " "

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-5505

Sia 183

State Florida

General locality Lake Wimico Intracoastal Waterway

Locality Lake Wimico and Vicinity
Intracoastal Waterway - Apalachicola River to White City.

Scale 1:20,833 Date of photographs 9/6 & 9/13, 19 34
~~Survey~~

~~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 F. A. Donadieu

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 1:20,833. Enlarged and printed
by photolithography on scale of 1:20,000. Scale factor 0.96.

- STATISTICS -

on

SHEET, FIELD NO. 913, REG. NO. T-5505
 PHOTOS, NO. 1068 TO NO. 106571
 DATE OF PHOTOGRAPHS 9/6/34 TIME 8:15 a.m.
9/13/34 TIME 7:50 a.m.

	BY	DATE FROM TO
ROUGH RADIAL PLOT	<u>S. S. Gill</u>	<u>1/23/35</u>
SCALE FACTOR (0.96)	<u>S. S. Gill</u>	<u>1/23/35</u>
SCALE FACTOR CHECKED	<u>E. P. Hernandez, Jr.</u>	<u>1/23/35</u>
PROJECTION	<u>E. P. Hernandez, Jr.</u>	<u>1/31/35</u>
PROJECTION CHECKED	<u>H. C. Smith</u>	<u>1/31/35</u>
CONTROL PLOTTED	<u>R. E. Wagner & F. A. Donadieu</u>	<u>2/4 & 2/13/35</u>
CONTROL CHECKED	<u>S. S. Gill & H. A. Butters, Jr.</u>	<u>2/4 & 2/13/35</u>
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	<u>H. C. Smith</u>	<u>2/4 to 2/11/35</u>
RADIAL LINE PLOT CHECKED	<u>E. P. Hernandez, Jr.</u>	<u>2/11/35</u>
DETAIL INKED	<u>F. A. Donadieu</u>	<u>2/15 & 2/16/35</u> <u>2/19 to 2/28/35</u>
PRELIMINARY REVIEW OF SHEET	<u>E. P. Hernandez, Jr.</u>	<u>3/7/35</u>

TOTAL AREA OF SHEET 132.7 sq. Statute Miles
 AREA OF DETAIL INKED 124 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)
16.6 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
225 Statute Miles

GENERAL LOCATION Intracoastal Waterway
Lake Wimico

LOCATION Lake Wimico and Vicinity
Intracoastal Waterway - Apalachicola River to White City

DATUM North American 1927 (Adjusted)

Latitude 29°46'09.506" (292.7 m.)

STATION U.S.E. 14 - 1935 (Unadjusted)

Longitude 85°05'04.383" (117.7 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5505

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The information used in the compilation of this sheet was obtained from notes and sketches on the 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.

The names appearing on this sheet were obtained from U.S. C. & G. S. Chart No. 183, from blueprint prepared from surveys of this area made by the U. S. Engineers, and from notes made by the field inspection party on the field prints.

The area covered by this sheet consists of swampy land, having numerous small streams cutting up its area, a lake, some marshy areas in the southeastern end, a road, trails, cut over timber lands, and prairies. In the western corner of the sheet are found abandoned logging railroad dumps. A few houses are found along the highway on the western end of the sheet, and two logging camps are located near a stream in the north-central part of the sheet.

The western section of the Intracoastal Canal appearing on this sheet was dredged along Searcy Creek. In some places the creek was widened, and at other places a channel was cut wherever the distance could be shortened. The channel runs through Lake Wimico, and then through Jackson and Apalachicola Rivers.

The shore lines on this sheet were drawn as determined by the field inspection party in accessible places. In the thickly wooded areas the shore lines were drawn as correctly as possible, estimating the distance which the trees appeared to be leaning from the shore. In some wooded areas the narrow streams were very difficult to trace accurately. The shadows of the trees on one side made that shore indefinite, while the apparent leaning of the trees, because of their distance from the center of photographs, made the opposite shore indefinite. The position

of shore line and width of streams were traced as accurately as possible under the above mentioned conditions.

The range of tide in this area is very small, and there is very little difference between high and low water. The high-water line, as determined by the field inspection party, is shown on this sheet.

The area covered by this sheet was traced from photographs made by the Aero Service Corporation's five-lens camera HUI-33-C: Photographs Nos. 913 to 933, inclusive, running approximately northwest; and Nos. 1068 to 1071, inclusive, running approximately northwest.

The detail appearing on the far ends of the wing prints was traced from these, but no important detail appears at a very great distance from the "B" prints, except in the western area of the sheet. In drafting this area, photographs Nos. 1063 to 1071 were used.

II. CONTROL:

(A) Sources.

The source of control used in the compilation of this sheet is: triangulation by Lieut. George L. Anderson, March-April 1934, and December 1934-January 1935.

The control for this sheet is adequate and was computed *from* the North American 1927-Adjusted Datum.

(B) Errors.

There were no errors in control used on this sheet.

(C) Discrepancies.

There were no discrepancies in control used in compiling 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 were close to scale so that no great degree of adjustment was necessary in the tracing.

The scale of photographs did not fluctuate very much throughout this sheet.

(C) Interpretation.

The graphic symbols used are those approved by the Board of Surveys and Maps, 1932.

(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.

There are no conflicting names on the different charts of this area.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets to the northwest, southwest, and southeast, Nos. T-5503-4, T-5506, and T-5509, respectively, are satisfactory.

Very little comparison can be made with previous charts of this area. On Chart No. 183 Lake Wimico, Jackson River, Apalachicola River, Searcy Creek and the Intracoastal Canal are shown; but these are on a very much smaller scale, and although their general shapes are somewhat similar, a close comparison cannot be made.

V. LANDMARKS:

Landmarks of value to navigation in this area are submitted by the hydrographic party under Lieut. C. A. Egner.

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 survey is required.

Submitted by: F. A. Donadieu
F. A. Donadieu,
Draftsman.

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

*This compilation is believed to have a probable error
of 0.3 to 0.5 m.m. for intersection points and 0.3 to 0.8 m.m.
for other details.*

MEMORANDUM TO ACCOMPANY SHEET NO. T-5505.

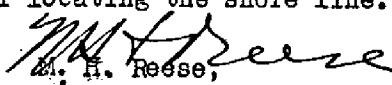
The shore line of Lake Wimico and Apalachicola River is shown with a solid line, except that the shore line of Apalachicola River in the northeast corner of this sheet is shown by broken lines, as the radial line plot is questionable in this section, the river being in the extreme limits of the photographs, making it practically impossible to pick accurate radial line points. This sheet was compiled before the new regulation was issued concerning the tracing of shore line where trees grow beyond the high water line, and it was not considered feasible to change it on the tracing.

The section along the Intracoastal Canal is very well controlled due to the Army Engineers' traverse being tied in by Lieut. Anderson, and the positions of the Engineers' stations were computed by him. The field inspection party made measurements to each station, which enabled the compiler to draw in the Inland Canal accurately.

The day marks that are shown in Lake Wimico were scaled from the topographic sheet of Lieut. Egner's and were plotted on the compilation.

It is well to note that the location of Lake Wimico and a portion of the Inland Waterway as shown on the present charts is about one and a half miles out of position.

T.P. stations on the theodolite and stadia traverse executed by Lieut. Egner along the Jackson River are shown by a 2.5 mm. circle. These stations were plotted, by their scaled positions, after the radial plot had been run and were used as supplementary control for locating the shore line.


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

Survey No. 7-5505

Chart No. 183, 184

Diagram No. _____

Date. 10/8/35

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

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

Under investigation. Q

(M-136)

REVIEW OF AIR PHOTO COMPILATION NO. T-5505

Scale 1:20,000.

Comparison with Graphic Control Surveys.

(a) T-6310b (1935) Scale 1:20,000.

T-6310b covers the eastern part of T-5500.

There are no discrepancies between T-6310b and T-5500. All detail shown on T-6310b within the limits of T-5505 is shown on T-5505 except the magnetic declination and temporary signals.

(b) T-6310c (1935) Scale 1:20,000.

All the area covered by T-6310c is included on T-5505. There are no discrepancies between T-6310c and T-5500.

All detail shown on T-6310c is shown on T-5505 except the magnetic declination and temporary signals.

Comparison with Previous Topographic Surveys.

None.

Comparison with Contemporary Hydrographic Surveys.

(a) H-5796 (1935) Scale 1:10,000.

H-5796 includes Lake Winico Searcy Creek and the entrance of Jackson River into Lake Winico.

There are no conflicts with the hydrography.

(b) H-5797 (1935), Scale 1:10,000.

H-5797 includes all of Jackson River shown on T-5505.

Three different lines of piles shown on H-5797 in Jackson River at latitude 29° 47', longitude 85° 03', were transferred to T-5500.

There are no conflicts with the hydrography.

Comparison with Charts.

(a & b) Charts 183 and 184, Scale 1:80,000.

The only detail appearing on these charts within the limits of T-5500 is Lake Winico and the Intracoastal Waterway. The lake and the waterway is shown on the chart about 1-1/2 miles east of the true position.

Landmarks and Aids.

No landmarks or aids to navigation appear on the charts within the limits of T-5500. No lists of recommended landmarks have been submitted. All aids (day beacons) shown on the various planetable sheets are shown on T-5505.

T. Goshen.

August 27, 1935.

Frank P. Estlin

REVIEW OF AIR PHOTO COMPILATION NO. T-5505

Chief of Party: M. H. Reese

Compiled by: F. A. Donadieu

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)

All changed are discussed in 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.

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.

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.

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)

Tracing of high-water line discussed in descriptive report.

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, ~~name, location, and~~
~~marks~~, and legends pertaining to them is satisfactory. (Par.
36, 37, 38, 39, 40, 41)

No low-water line was shown because of little difference
between high and low water.

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.

hydro party

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)

Furnished by hydrographic party. - *How 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 naviga-
tion 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 obtainable names are shown on overlay tracing.

13. The geographic datum of the compilation is N. A. 1927 and the
reference station is correctly noted. *Un*Adjusted

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

Yes.

15. The drafting is *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 Longi-
tude 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)

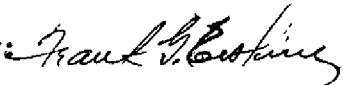
16. No additional surveying is recommended at this time.

17. Remarks:

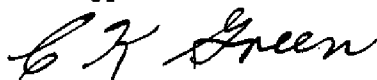
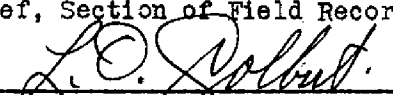
18. Examined and approved;




M. H. Reese,
Chief of Party

19. Remarks after review in office:

Reviewed in office by: 

Examained and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.