

5524 5525

S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic | Sheet No. T-5524 & T-5525
Hydrographic

State Florida

LOCALITY

Choctawhatchee Bay -

Choctawhatchee Bay to Powell Lake

T-5525 Mouth of Choctawhatchee River
and Vicinity
T-5524 Choctawhatchee River to
Powell Lake

1935

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5524

Applied to chart 1264
applies to chart 870

Jan 29, 1938
July 1941

G.H.S.
W. 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.

T5524

REGISTER NO. T-5524 & T-5525

T5525

State.....Florida.....

General locality.....Choctawhatchee Bay.....

T-5525 Mouth of Choctawhatchee River & Vicinity

Locality.....~~Choctawhatchee Bay to Powell Lake~~.....

* 1:20,000 T-5524 photos Choctawhatchee River to Powell Lake.

Scale.....1:20,619..... Date of survey.....July 21 & 27, 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.....R. E. Wagner.....

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 1:20,619 and enlarged and

printed on scale of 1:20,000 by photolithography. Scale

factor 0.97.

* Blueprints on scale 1:20,619

185

B.P.

- STATISTICS -

on

SHEET, FIELD NO. 706, REG. NO. T-5524 & T-5525
 PHOTOS, NO. 880 TO NO. 894
 DATE OF PHOTOGRAPHS 7/21/34 8:00 a.m.
7/27/34 7:20 a.m.

BY

DATE
FROM TO

ROUGH RADIAL PLOT --
 SCALE FACTOR (0.97) H. C. Smith 4/9/35
 SCALE FACTOR CHECKED M. H. Reese 4/9/35
 PROJECTION E. P. Hernandez Jr. 4/9/35
 PROJECTION CHECKED H. C. Smith 4/9/35
 CONTROL PLOTTED G. S. Gill 4/10/35
 CONTROL CHECKED G. O. Coignet 4/10/35
 TOPOGRAPHY TRANSFERRED
 TOPOGRAPHY CHECKED
 SMOOTH RADIAL LINE PLOT M. B. Gill, Jr. & R. E. Wagner 4/30/35
 RADIAL LINE PLOT CHECKED
 DETAIL INKED R. E. Wagner 6/4/35
 PRELIMINARY REVIEW OF SHEET E. L. Fitch 6/21/35

TOTAL AREA OF SHEET 135.7 sq. Statute Miles
 AREA OF DETAIL INKED 133.7 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)
20.6 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
144.5 Statute Miles

GENERAL LOCATION Choctawhatchee Bay

LOCATION Choctawhatchee Bay to Powell Lake

DATUM North American 1927

Both sheets on above DATUM.

Latitude 30° 17' 45.534" (1402.1 m.)

STATION PT. WASHINGTON EAST BASE 1933-35 (Adjusted) Longitude 86° 01' 31.195" (833.6 m.)

T-5524 COUNTY - 1935 { Lat. 30° 17' 53.181" 1637.6 m. unadjusted
 Long. 85° 59' 42.548" 1137.0 m.
 T-5525 SAP - 1935 { Lat. 30° 21' 19.212" 591.6 m. unadjusted
 Long. 86° 02' 26.038" 695.4 m.

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5524 & T-5525

*Compiled as one sheet and made into
two to facilitate reproduction.*

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The area covered by this sheet consists of cutover land and swamp traversed by innumerable fire breaks or fire control lanes and trails. Florida State Highway No. 10 is in the northwestern corner of the sheet, and Florida State Highway No. 115 crosses the southern part of the sheet.

The southern portion of this sheet, extending back from the Gulf shore about one half mile, is covered with a heavy growth of brush, pine, scrub oak and palmetto. A number of small lakes and ponds border the Gulf shore, and some have intermittent outlets into the Gulf of Mexico which are open at extremely high tide.

The large swamp area on either side of Choctawhatchee River is composed of cypress, bay, gum, brush, and hardwood in general.

In the vicinity of Latitude 30°24' - Longitude 86°02' are several logging canals, at the end of which the trees appear to radiate from a common point.

In the northeastern portion of the sheet, in the vicinity of C.C.C. Camp Seminole, there are a number of vineyards and orchards which are parts of a farm development.

Span and clearance data of the bridge across Powell Lake on T-5524 could not be obtained, because the bridge was under construction at the time of this compilation. It will be a fixed span, pile bent bridge, however, and is shown on this compilation as a finished bridge with two solid lines.

The shore line of Choctawhatchee River, Otter Creek, Black Creek, Pine Log Creek, Mitchell River, and of streams and canals in the swamp area, was not visible due to overhanging trees; therefore, the symbol for overhanging trees was used extensively.

The tide in this area is about 1.5 feet. Due to the little difference between high and low water, the low water line was not shown.

Of the ten U.S.G.S. transit traverse stations used in this compilation only T.T. 56 D could not be held to the radial plot. The discrepancy in the values of the geographic position of this station (airphoto compilation and transit traverse values) is about 6.0 m. or 0.3 mm on the compilation.

The station being well inland and there being no important land features in the vicinity it was thought advisable to hold to the value submitted by the U.S.G.S. for this station. Accordingly, minor changes have been made in the roads in the immediate vicinity of T.T. 56 D.

15.9.8

This sheet was compiled from photographs taken by the Aero Service Corporation with five-lens camera HUI-33. Photographs 706 to 725, the north flight on this sheet flown in a northwest-southeast direction, were taken July 21, 1934 at 8:00 a.m. Photographs 880 to 894, the south flight on this sheet, were also flown in a northwest-southeast direction, and were taken July 27, 1934 at 7:20 a.m.

II. CONTROL:

(A) Sources

1. Triangulation by Lieut. Geo. L. Anderson, 1934-1935.
2. U.S. Geological Survey transit traverse by R. C. Darnell, 1933-1934.

A number of stations along the U.S. Geological Survey transit traverse were tied to the 1935 U.S. Coast and Geodetic Survey triangulation stations and a mean factor of $-.55''$ in latitude and $+.05''$ in longitude derived. This was done to change the datum of the stations from the North American Datum to the North American 1927 Datum. After applying this factor to the geographic positions as determined by the U.S. Geological Survey, all transit traverse stations held well with the radial line plot, except as noted below under "Discrepancies". These stations were used only as a check on the radial line plot.

(B) Errors

No errors were found and the control was adequate for the radial line plot.

(C) Discrepancies

~~T.T. 56D-1934 could not be held with the radial line plot. The U.S. Geological Survey position and the radial line plot position are as follows:~~

<u>U.S. G.S. position</u>	<u>Radial line plot position</u>
Lat. $30^{\circ}23'$ 1.5 m.	Lat. $30^{\circ}22'$ 1843.6 m. }
Long. $85^{\circ}56'$ 570.8 m.	Long. $85^{\circ}56'$ 570.0 m. }

~~This station is shown on the sheet by its radial line plot position.~~

*See note 0
on opposite
page.*

III. COMPILATION:

(A) Method

The five-lens radial line method of plotting was used in the compilation.

(B) Adjustments of plot

No unusual adjustment of plot was necessary, as the photos were very close to scale and well defined radial points were obtained.

(C) Interpretation

No difficulties were encountered in interpreting the photographs. The field inspection notes were complete and covered all doubtful features.

Graphic symbols approved by the Board of Surveys & Maps, 1932, were used on this sheet, except for the symbol ($\bar{f}$) used to denote brush. The symbol ($\omega\omega\omega\omega$), approved by the office for overhanging trees along shorelines, has been extensively used.

(D) Information from other sources

A small amount of shoreline information was obtained from two photos borrowed from the U.S. Army Engineers. These two photographs, 56A and 56B, were to a scale of approximately 1:20,000 and were five-lens photographs taken by the Army Air Corps. These pictures were used because they were more distinct than the ones in this office. The information obtained is in the area from Latitude 30°22' to 30°25' and Longitude 86°06' to 86°07.5'.

(E) Conflicting names

The name of the body of water shown on Chart No. 185 as "Philips Inlet" is no longer in use, but is known as "Powell Lake" among the residents of this area. However, the inlet connecting the lake with the Gulf of Mexico is known as "Philips Inlet". The inlet is intermittent and is only open during extremely high tides.

This information was obtained by the field inspection party from residents of this locality, and it is recommended that the above names be adopted.

The name "Port Washington" which appears on the overlay sheet was obtained from U.S. C. & G. Survey Chart No. 185. On the U.S. Department of Agriculture's Forest Service Map of Choctawhatchee National Forest and on the U.S. Geological Survey map of Florida, this name is "Point Washington. It is shown as "Port Washington" on the overlay.

The point of land shown on the overlay sheet as "Pt. Washington", which name was obtained from U.S. C. & G. Survey Chart No. 185, appears on the U.S. Department of Agriculture's Forest Service Map of Choctawhatchee National Forest as "Washington Pt."

(F) New names

The names "Otter Creek", "Pinelog", and "Pinelog Creek" were taken from the U.S. Geological Survey Map of Florida. These names were also reported by the field party to be in local use, and they are recommended for adoption.

The settlement of "Black Creek" is a small community of houses and a turpentine still. It was visited by the field party and the name obtained from the operator of a grocery store there. It is known as such locally and is in usage.

The names "Duck Lake", "Bells Leg", and "South Mouth" were obtained by the field party from the operator of the Jolly Bay-Pt. Washington Ferry. This man is a local resident and is familiar with local names.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions with the sheet to the east (No. T-5521/T-5523), to the southwest (No. T-5526), and to the northwest (No. T-5527), are satisfactory.

V. LANDMARKS:

There are no landmarks of value to navigation in this area.

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

To the best of my knowledge this sheet is complete in all details of importance for charting purposes, and no further surveys are recommended at this time.

Submitted by: *R. E. Wagner*
R. E. Wagner,
Draftsman.

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

Remarks

Decisions

1	OK. for Photo-compilation	
2		
3		
4		
5		
6		
7	OK. for Photo-Compilation	
8		
9		
10		
11	One word. OK for Photo-Compilation	
12	One word do.	
13		
14		
15		
16	OK. for Photo-Compilation	
17	do.	
18		
19		
20	OK for Photo-compilation only.	
21		
22	OK. for Photo-compilation only	
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-5524

✓ Applied to 870 T-5525

5-29-46

Name on Survey

	A	B	C	D	E	F	G	H	K	
State Highway No. 10										1
Black Creek (Settlement)				✓						2
Black Creek ✓	185									3
✓ Jolly Bay ✓	185									4
Mitchells River ✓	185									5
✓ Indian River ✓	185									6
✓ Duck Lake ✓				✓						7
✓ Cypress River ✓	185									8
✓ Choctawhatchee River 185										9
✓ Live Oak Cut Off ✓										10
Pine Log 2				✓						11
✓ Pine Log Creek 2				✓						12
✓ Bells Leg ✓				✓						13
✓ South Mouth ✓				✓						14
✓ Choctawhatchee Bay 185										15
✓ Otter Creek				✓						16
Jolly Bay, Point Washington Ferry Route				✓						17
✓ Pt. Washington ✓	185									18
✓ ^{PT} Port Washington ✓										19
	POINT WASHINGTON (TOWN)									
C.C.G. Camp Seminole										20
Peach Creek ✓	185									21
State Highway No. 115										22
Philips Inlet	185			✓						23
✓ Powell Lake } Sec 1	185			✓						24
										25
										26
										27

Names underlined in red approved

by *Stegew* on 2-3-46

REVIEW OF AIR PHOTO COMPILATIONS T-5524 and T-5525

Scale 1:20,000

Note: The above compilations ~~are~~^{were} drawn on a single sheet.

No graphic control surveys have been made in any part of the area of the above compilations.

No contemporary hydrographic surveys cover any part of the area of the above compilations.

Comparison with Previous Topographic Surveys

T-1270 (1872), 1:20,000
T-1358a (1872), 1:20,000
T-1358b (1872), 1:20,000

The shoreline about the eastern end of Choctawhatchee Bay shows numerous minor changes especially in the vicinity of the delta of the Choctawhatchee River, and the mouths of Indian River and Cypress River.

The inlet known as Philips Inlet has altered its bed and has shifted some 100 meters. Several inlets along the Gulf of Mexico have shifted their beds, and have silted so that they are open to the Gulf only at extreme high tides. Such inlets are located at longitudes 86° 05.8', 86° 05.1', 86° 04.1', and 85° 59.6'.

Lakes and ponds adjacent to the Gulf coast also show alterations in their contours, notably those at longitudes 86° 04.8', 86° 04.2' and 86° 03.5'.

Compilations T-5524 and T-5525 are complete and adequate to supersede those sections of the above topographic surveys covered by the above compilations.

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

The same changes which were in evidence on the previous topographic surveys appear on chart No. 185. The body of water shown on this chart as Philips Inlet is now known as Powell Lake and the inlet connecting this lake with the Gulf is known as Philips Inlet. No landmarks or aids to navigation occur on that section of the chart covered by the two compilations.

General

The high water line along the Gulf coast has been located by offsets from points spotted on the photos. These offsets were taken on the average one and one-half miles apart. While this is adequate for small

scale charts, it is hardly adequate for precise detailing. Numerous small bridges, of which there are many, have been omitted.* Not all buildings have been shown on the compilation. The small scale of the compilation, trees, poor photos, insufficient field inspection have made this impossible. Limits of swamp areas and density of trees and other growth have been poorly represented.

Jan. 11, 1937.

Frank R. Gollon

Frank R. Gollon
W.B.G. Jones

** Applies to ~~Bridges~~ Highway Bridges in interior
Not important to navigation*

REVIEW OF AIR PHOTO COMPILATION NO. T-5524 & T-5525

Chief of Party: M. H. Reese

Compiled by: R. E. Wagner

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)

No supplementary surveys necessary.

- ✓ 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 plane table or hydrographic surveys were executed in this area.

- ✓ 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)

Discussed in report.

- ✓ 7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

Yes. Discussed in 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 ^{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)
- No landmarks 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)
- Discussed in descriptive report.
- ✓ 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)
- The geographic names are shown on the overlay. The new names are listed and discussed in the descriptive report.
- ✓ 13. The geographic datum of the compilation is ^{are} N. A. 1927 and the reference stations ~~is~~ correctly noted. ~~(Unadjusted)~~
- Yes.
- ✓ 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.

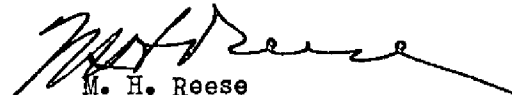
3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines 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.

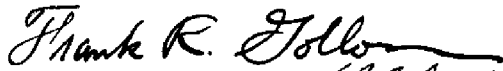
17. Remarks:

18. Examined and approved;

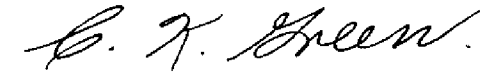

M. H. Reese
Chief of Party

19. Remarks after review in office:

Reviewed in office by:

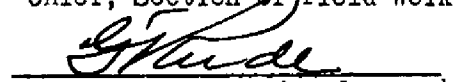
 1/8/37
B.G. Jones

Examained and approved:


Chief, Section of Field Records


Chief, Division of Charts


Chief, Section of Field Work


Chief, Division of Hydrography
and Topography.