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**5526**

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-5526  
~~*Hydrographic*~~

State Florida

LOCALITY

Choctawhatchee Bay  
Hogtown Bayou and vicinity  
Four Mile Pt. to Pt. Washington.

1935

CHIEF OF PARTY

M. H. Reese

Applied to chart 1264  
Applied to chart 870

Feb. 1, 1938  
July 1946

J.H.S.  
M. Hunsberger <sup>was</sup>  
4/47



- STATISTICS -

on

SHEET, FIELD NO. \_\_\_\_\_, REG. NO. T-5526

PHOTOS, NO. 862 TO NO. 879

DATE OF PHOTOGRAPHS July 27, 1934 TIME 7:20 a.m.

	BY	DATE	
		FROM	TO
ROUGH RADIAL PLOT	--		
SCALE FACTOR (0.97)	--		
SCALE FACTOR CHECKED	--		
PROJECTION	<i>E. P. Hernandez Jr.</i> E. P. Hernandez Jr.		4/24/35
PROJECTION CHECKED	<i>C. Carter Brown</i> C. Carter Brown		4/24/35
CONTROL PLOTTED	<i>C. Carter Brown</i> C. Carter Brown		4/25/35
CONTROL CHECKED	M. B. Gill, Jr.		4/26/35
TOPOGRAPHY TRANSFERRED			
TOPOGRAPHY CHECKED			
SMOOTH RADIAL LINE PLOT	<i>C. Carter Brown</i> C. Carter Brown		4/27 - 5/3/35
RADIAL LINE PLOT CHECKED	<i>M. H. Reese</i> M. H. Reese		5/3/35
DETAIL INKED	<i>C. Carter Brown</i> C. Carter Brown		5/3-15/35
PRELIMINARY REVIEW OF SHEET	<i>E. P. Fitch - R. P. Poor</i> E. P. Fitch - R. P. Poor		8/2/35

TOTAL AREA OF SHEET 76.13 sq. Statute Miles  
 AREA OF DETAIL INKED 43.8 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) 44.5 Statute Miles  
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 43.0 Statute Miles

GENERAL LOCATION Choctawhatchee Bay

LOCATION Four Mile Pt. to Pt. Washington

DATUM North American 1927 ~~Unadjusted~~

Latitude 30°23'14.982" (461.3 m.) ✓

STATION CRIGLAR 1872-1935

Longitude 86°10'28.358" (757.1 m.) ✓  
(unadjusted)

COMPILER'S REPORT  
FOR  
PHOTO TOPOGRAPHIC SHEET NO. T-5526

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The area of this sheet runs roughly northwesterly and is a strip of land between Choctawhatchee Bay and the Gulf of Mexico. Down the center of the strip runs Florida State Highway No. 115.

The Bay shore of the sheet is indented by numerous small bayous and streams and one large bayou, Hogtown Bayou, at the head of which is the town of Santa Rosa. Two small bayous at approximate Lat.  $30^{\circ}24'$  and Long.  $86^{\circ}18'$  have natural channels at their entrances and these are shown with dash lines which indicate edge of the shoal at the channel. Another bayou at approximate Lat.  $30^{\circ}23'$  and Long.  $86^{\circ}20'$  has a natural channel through the inner edge of a shoal, indicated by dash lines, and an artificial channel through the outer edge of the shoal. At this point sand spoil banks show on each side of the artificial channel.

Along the Gulf shore are numerous lakes, several of which are open to the Gulf at extreme high tide. As for the general character of the terrain, the area is of sandy soil with grass and scattered pines and low wooded spots inland; and wooded areas (broad-leaved trees) and low wooded spots (cypress and broad-leaved trees) along the shore lines.

There are numerous fields over the entire area of the sheet but few are cultivated. Numerous small fire lanes appear on the photographs, but as they are not used for any mode of travel, they are not shown on the sheet. The state highway, Florida No. 115, that traverses the center of the land area is under construction at present but is, nevertheless, in use.

The shore line along Choctawhatchee Bay is in some places partially obliterated on the photos by overhanging trees. However, enough is visible to insure a reliable delineation of the shore line. This is particularly true for shore line from approximate Long.  $86^{\circ}08'$  to approximate Long.  $86^{\circ}11'$ .

Along the Gulf coast line a bluff follows the majority of the shore.

Normal range of tide along Choctawhatchee Bay is approximately 1.5 ft., therefore only the high water line is shown.

All photographs for this sheet were taken July 27, 1934, at 7:20 a.m. by the Aero Service Corporation with their H.U.I.-33 five-lens aerial camera, the strip running southeast along the sheet, and the photographs numbering from 862 to 879.

Considering the small scale of this compilation (1:20,619) and the fact that other similar Geological stations held well in compilations to the east and west of this sheet, the values of the geographic positions of these stations, as submitted by the U.S. Geological Survey, were used to ~~plot~~<sup>replot</sup> these stations. There were no necessary changes in adjoining detail. There was no discrepancy greater than 0.5 mm. and the average was approximately 0.3 mm.

J.S. Jones

II. CONTROL:

(A) Sources.

U. S. Geological Survey Transit Traverse  
by R. C. Darnell, 1933-34.  
Triangulation by M. H. Reese, 1934.  
Triangulation by G. L. Anderson, 1934-35.

Triangulation Stations BLUE MOUNTAIN 1872 and  
HIGH 1872 were brought from North American Datum  
to North American 1927 Datum by means of a factor  
of -14.9 meters in latitude and + 5.8 meters in  
longitude to be added to the 1872 geographic  
positions. This factor was derived from 1872 and  
1935 positions of Station CRIGLAR 1872-1935.

Station LAST 1935 was not held on the plot  
due to the fact that available ties on the photo-  
graphs were poor.

Station BLUE MOUNTAIN 1872 could not be tied  
in on photographs, and position on sheet is the  
geographic position from triangulation.

(B) Errors.

None.

(C) Discrepancies.

Three U.S. Geological Survey transit traverse  
stations were plotted as control but only one was  
held. The other two were relocated by radial line  
intersection and are submitted on Form 524.  
T.T. 61-D was the only T.T. station that held, and  
that may have been due to the fact that it was right  
on the line of flight, and discrepancies in the other  
two T.T. stations were in a longitudinal direction.  
Consequently, a discrepancy in longitude would hardly  
show up along the line of flight. A correction of  
-0.48" in latitude and + 0.12" in longitude was  
applied to T.T.61-D to bring it to the North American  
1927 Datum.

*See note on opposite page.*

III. COMPILATION:

(A) Method.

The five-lens radial line method was used in  
this compilation.

(B) Adjustment of plot.

There were no marked adjustments of plot in this compilation.

(C) Interpretation.

Topographic features were interpreted by field inspection notes, and standard authorized symbols were used in the compilation except the symbol ( { ) that was used to designate brush.

(D) Information from other sources.

No other information was used except that supplied by photos and field inspection notes.

(E) Conflicting names.

There are no conflicting names.

*NOTE: SEE MEMORANDUM ATTACHED TO REPORT —*

(F) New names.

1. Drapers Lake - approx. lat.  $30^{\circ}20'$   
approx. long.  $86^{\circ}13'$

The name of this lake is in well-established local usage. The name submitted has been verified by residents of the locality and by signboards on Florida State Highway No. 115 indicating road to take to reach lake.

2. Grayton Beach - approx. lat.  $30^{\circ}20'$   
approx. long.  $86^{\circ}10'$

This beach is well known and is somewhat of a summer resort. There are several houses and one two-story building at the beach, and at present the U. S. Engineers have an office there. Signboards on Florida Highway 115 use the name in indicating route to beach. This name has been confirmed by local residents.

3. Buck Bayou ) - approx. lat.  $30^{\circ}24'$
4. Mack Bayou ( - approx. long.  $86^{\circ}18'$

Names in well-established local usage. These names were obtained from a Mr. Brown, real estate agent for property in the vicinity of these bayous.

*NOTE: SEE MEMORANDUM ATTACHED TO REPORT (NEXT PAGE)*

III. (E) Conflicting names.

Alligator Creek ) - approx. lat. 30°24'  
Hewett Bayou ( approx. long. 86°17'

Alligator Creek is the name appearing on U.S. C. & G. Survey Chart 185 and has reference to the small bayou located at, approximately, Lat. and Long. as given above. This bayou is locally known as Hewett Bayou, and the name is in well-established local usage. The name "Hewett Bayou" was obtained from a Mr. Brown, real estate agent for extensive properties in the locality of the bayou.

(F) New names. (additional)

1. Mussett Bayou - approx. lat. 30°23'  
approx. long. 86°15'
2. Churchill Bayou - approx. lat. 30°23'  
approx. long. 86°14'
3. Hewett Bayou - approx. lat. 30°24'  
approx. long. 86°17'

All three of the above names are in well-established local usage. They were obtained from a Mr. Brown, real estate agent for extensive property in the vicinity of the above. For further information concerning Hewett Bayou, see paragraph under "Conflicting names".

*C. Carter Brown*  
C. Carter Brown,  
Draftsman.

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

IV. COMPARISON WITH OTHER SURVEYS:

Junctions with Sheet No. T-5501 to West and Sheet No. T-5524-25 to the East are satisfactory.

In comparing this sheet with Chart No. 185 (scale 1:80,000) it was found that at approximate Lat.  $30^{\circ}22'$  and Long.  $86^{\circ}18'$  what appeared as one large lake on Chart 185 is actually two distinct lakes as shown on this sheet.

V. LANDMARKS:

List of landmarks of value to navigation in this area submitted on Form 567.

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

To the best of my knowledge, this sheet is complete in every detail of importance for charting purposes, and no further surveys are recommended.

Submitted by:   
C. Carter Brown,  
Draftsman.

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



## Remarks

## Decisions

	Remarks	Decisions
1	<i>Fourmile. - two words on chart</i>	
2		
3		
4	<i>Alligator Creek on chart 185</i>	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14	<i>Drapers Lake in local usage</i>	
15		
16		
17	<i>From approved geo. names for #.5869</i>	
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-5526

Name on Survey	Source										No.
	A	B	C	D	E	F	G	H	K		
✓ <u>Fourmile Point</u> ✓	185										1
✓ <u>Buck Bayou</u> ✓				✓							2
✓ <u>Mack Bayou</u> ✓				✓							3
✓ <u>Hewett Bayou</u> ✓				✓							4
✓ <u>Hogtown Bayou</u> ✓	185										5
✓ <u>Choctawhatchee Bay</u> ✓	185										6
✓ <u>Mussett Bayou</u> ✓				✓							7
✓ <u>Churchill Bayou</u> ✓				✓							8
✓ <u>Santa Rosa</u> ✓	185										9
✓ <u>Live Oak Point</u> ✓	185										10
✓ <u>Alligator Point</u> ✓	185										11
✓ <u>Gulf of Mexico</u> ✓	185										12
✓ <u>Oyster Lake</u> ✓											13
✓ <u>Draper Lake</u> ✓											14
✓ <u>Blue Mountain</u> ✓	185										15
✓ <u>Grayton Beach</u> ✓				✓							16
✓ <u>Horseshoe Bayou</u> ✓											17
											18
											19
											20
											21
Names approved											22
KT. Adams											23
											24
											25
											26
											27

Names underlined in red approved  
 by \_\_\_\_\_ on 10/9/35

REVIEW OF AIR PHOTO COMPILATION T-5526  
Scale 1:20,619

Comparison with Graphic Control Survey

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

No discrepancies noted. All detail on this control sheet within the area of this compilation is now shown on the compilation with the exception of temporary planetable stations and magnetic meridians.

Comparison with Contemporary Hydrographic Survey

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

No discrepancies noted. The shoreline for this hydrographic sheet has been obtained from the compilation and shoreline and soundings are in perfect agreement.

Comparison with Previous Topographic Surveys

T-1269 (1872), 1:20,000

T-1270 (1872), 1:20,000

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

T-1358c(1872), 1:20,000

There are numerous minor changes in the location of the high water line which are to be expected and the contours of lakes and ponds show similar changes. The projection lines on T-1358c are apparently on a local datum and the relation to the standard North American datum is not known. No datum note is given on T-1358c. There are some discrepancies in the position of several ponds on T-1358c which lie along the south coast.

The compilation is complete and adequate to supersede the sections of the above listed previous surveys which it covers.

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

The compilation shows numerous minor corrections to the charted shoreline. Several channels running from ponds and lakes into the Gulf have been silted and are now non-existent. Two lakes at lat.  $32^{\circ} 22'$ , long.  $86^{\circ} 18'$  appear connected by a wide neck on the chart. The contour of a pond at lat.  $30^{\circ} 22.4'$ , long.  $86^{\circ} 19'$  shows considerable change. There are extensive changes in the locations of roads on the chart. All landmarks and aids to navigation which occur on that part of the chart common to the compilation are shown on the compilation.

General

Limits of culture in interior are poorly defined and the minor trails are not complete. Many houses have in all probability been omitted from the compilation due to the small scale, a lack of clearness in the photographs, and trees.

December 15, 1936.

Frank R. Gollon

*Frank R. Gollon*

*W. J. Jones*

## REVIEW OF AIR PHOTO COMPILATION NO. T-5526

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)

Nothing relative to above occurs on sheet.

- ✓ 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)

Discussed in descriptive report under Section II (C).

- ✓ 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. 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 <sup>sandy</sup> ~~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." 11-67

- ✓ 8. The representation of <sup>high</sup> ~~low~~ water lines, ~~reefs, coral reefs and banks,~~ 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)

Yes.

- ✓ 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.

- ✓ 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 <sup>unadjusted</sup> and the reference station is correctly noted.

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

Junctions satisfactory.

- ✓ 15. The drafting is ~~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.

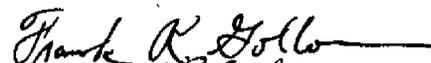
17. Remarks:

18. Examined and approved;

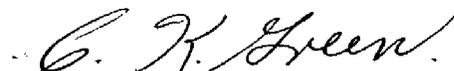
  
M. H. Reese  
Chief of Party

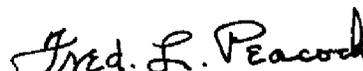
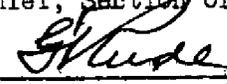
19. Remarks after review in office:

Reviewed in office by:

  
Frank R. Galloway  
B. G. Jones

Examined and approved:

  
Chief, Section of Field Records  
  
Chief, Division of Charts

  
Chief, Section of Field Work  
  
Chief, Division of Hydrography  
and Topography.