DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. T-5526

State
Florida

LOCALITY
Choctawhatchee Bay
Hosford Bayou and Vicinity
Four Mile Pt. to Pt. Washington

1935

CHIEF OF PARTY
M. H. Reese
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-5526

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

General locality .................. Choctawhatchee Bay
Hoetown Bayou and VICINITY

Locality .................. Four Mile Pt. to Pt. Washington

Scale 1:20,000 Date of survey July 27, 1934 7:20 A.M.

Weather Air Photo Compilation Party No. 24, Pensacola, Fla.

Chief of party .................. W. H. Reese

Surveyed by .................. See data sheet in descriptive report.

Inked by .................. G. Carter Brown

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 1:20,000. Enlarged and printed by photolithography to scale of 1:20,000. Scale factor 0.97.

* Blueprint on scale 1:20,619
- 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 E. P. Hernandez, Jr. 4/24/35

PROJECTION CHECKED C. Carter Brown 4/24/35

CONTROL PLOTTED C. Carter Brown 4/25/35

CONTROL CHECKED M. B. Gill, Jr. 4/26/35

TOPOGRAPHY TRANSFERRED

TOPOGRAPHY CHECKED


RADIAL LINE PLOT CHECKED M. H. Reese 5/3/35

DETAIL INKED C. Carter Brown 5/3-15/35

PRELIMINARY REVIEW OF SHEET C. E. Hill, Jr. 5/2/35

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°23'14.962" (461.3 m.)

Longitude 86°10'28.358" (757.1 m.) (unadjusted)
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°24' and Long. 86°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°23' and Long. 86°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°08' to approximate Long. 86°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 662 to 679.
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 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.
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 CHIGLAR 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 +0.18" 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°20' approx. long. 86°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°20' approx. long. 86°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°24'
4. Mack Bayou - approx. long. 86°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. Muaseott 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
Draftsman.

Approved: M. H. Hoese,
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°22' and Long. 86°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.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Pensacola, Florida,

May 21, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Determination</th>
<th>Charts Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four Mile Pt. Lt. Fl.</td>
<td>30 25</td>
<td>1293.0</td>
<td>86 18</td>
<td>N. A. Triangulation</td>
<td>No. 385</td>
</tr>
</tbody>
</table>

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) Inshore, (3) Harbor; 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and similar objects are not sufficiently permanent to chart.
<table>
<thead>
<tr>
<th>Remarks</th>
<th>Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fourmile - Two words on chart</td>
<td></td>
</tr>
<tr>
<td>4. Alligator Creek on chart 185</td>
<td></td>
</tr>
<tr>
<td>14. Drapers Lake in local usage</td>
<td></td>
</tr>
<tr>
<td>17. From approved geo. names for #5869</td>
<td></td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>----------------------</td>
<td>---</td>
</tr>
<tr>
<td>Fourmile Point</td>
<td>✓</td>
</tr>
<tr>
<td>Buck Bayou</td>
<td>✓</td>
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<tr>
<td>Mack Bayou</td>
<td>✓</td>
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<tr>
<td>Hewett Bayou</td>
<td>✓</td>
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<tr>
<td>Hogtown Bayou</td>
<td>✓</td>
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<tr>
<td>Choctawhatchee Bay</td>
<td>✓</td>
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<tr>
<td>Mussett Bayou</td>
<td>✓</td>
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<tr>
<td>Churchill Bayou</td>
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<tr>
<td>Santa Rosa</td>
<td>✓</td>
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<tr>
<td>Live Oak Point</td>
<td>✓</td>
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<tr>
<td>Alligator Point</td>
<td>✓</td>
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<tr>
<td>Gulf of Mexico</td>
<td>✓</td>
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<tr>
<td>Oyster Lake</td>
<td>✓</td>
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<tr>
<td>Draper Lake</td>
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<td>Blue Mountain</td>
<td>✓</td>
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<td>Grayton Beach</td>
<td>✓</td>
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<td>Horseshoe Bayou</td>
<td>✓</td>
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</tbody>
</table>

Names approved

K.T. Adams

Names underlined in red approved by K.T. Adams on 9/1/35

M 234
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° 22', long. 86° 18' appear connected by a wide neck on the chart. The contour of a pond at lat. 30° 22.4', long. 86° 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

[Signature]

[Signature]
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; 28; 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 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 water lines, recoverable objects, 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 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:

Examine and approved:

E. K. Green
Chief, Section of Field Records

L. O. Robart
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

Chief, Division of Hydrography and Topography.