

5528

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

# DESCRIPTIVE REPORT

Topographic | Sheet No. T-5528  
~~Hydrographic~~

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
  
APR 25 1936  
  
Acc. No. \_\_\_\_\_

State Alabama

### LOCALITY

Bon Secours Bay

~~Vicinity of Weeks Bay~~

Weeks Bay and Vicinity

1934  
Photographs taken July-1934

### CHIEF OF PARTY

M. H. Reese

5528

Applied to drawing of chart 1266-Apr. 8, 1939 - JFW.  
Applied to Ch. 872 extension of Don Secour River 1/13/64 JFW

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-5528

State..... Alabama

General locality..... Bon Secours Bay

Locality..... ~~Vicinity of Weeks Bay~~ and Vicinity

Scale..... 1:20,618 \* photos Date of survey..... July 18, 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..... H. A. Butters, Jr. - R. S. Poor - 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 1:20,618. Enlarged and printed by photolithography on scale of 1:20,000. Scale factor 0.97.

\* Blueprint on scale 1:20,618

- STATISTICS -

on

SHEET, FIELD NO. \_\_\_\_\_, REG. NO. T-5528

PHOTOS, NO. 528 TO NO. 548

DATE OF PHOTOGRAPHS 7/18/34 TIME 7:45 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.	6/15/35
PROJECTION CHECKED	<i>G. O. Coignet</i> G. O. Coignet	6/15/35
CONTROL PLOTTED	<i>R. E. Wagner</i> R. E. Wagner	6/24/35
CONTROL CHECKED	<i>S. S. Gill</i> S. S. Gill	6/24/35
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	H. O. Ingerson	7/1/35
RADIAL LINE PLOT CHECKED	<i>M. H. Reese</i> M. H. Reese	7/1/35
DETAIL INKED	<i>R. S. Poor</i> - <i>H. A. Butters, Jr.</i> - <i>R. E. Wagner</i> R. S. Poor - H. A. Butters, Jr. - R. E. Wagner	7/2/35
PRELIMINARY REVIEW OF SHEET	<i>R. S. Poor</i> - <i>E. L. Fitch</i> R. S. Poor - E. L. Fitch	8/2/35

TOTAL AREA OF SHEET 64.2 sq. Statute Miles  
 AREA OF DETAIL INKED 45.3 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)  
25.0 Statute Miles  
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)  
40.0 Statute Miles

GENERAL LOCATION Bon Secours Bay

LOCATION ~~Vicinity of Weeks Bay~~ and vicinity

DATUM North American 1927

Latitude 30°23'11.169" (343.9 m.) ✓

STATION MACK 1934 (Adjusted) ✓

Longitude 87°52'10.452" (279.0 m.) ✓

*BENTON, 1935 (Unadjusted)*

*30° 21' 01.397" (430 m.)*

*87° 47' 04.444" (118.7 m.)*

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5528

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The information used in the compilation of this sheet was obtained from notes and sketches on field photographs and from members of the field inspection party in areas where the draftsmen could not determine the exact nature of detail.

Except for a strip, about a mile wide, bordering Bon Secours Bay, this sheet represents high land. Along the shores of Weeks Bay and along the various rivers and creeks there are heavily wooded areas which are generally low and wet. The higher ground is widely cultivated. In the low area bordering Bon Secours Bay, and notably at Lat.  $30^{\circ}20'$  Long.  $87^{\circ}48'$ , there are several swamps, wooded with brush, oak and cypress.

In its northern portion the area is drained by Fish River, north and south mouth, and in the southern portion by Skunk Bayou, Bon Secours River and their respective tributaries.

On the Bon Secours River, at Lat.  $30^{\circ}18.2'$  Long.  $87^{\circ}44.2'$ , is the settlement of Bon Secours. ~~It is the only settlement or town within the limits of this compilation.~~

As the range of normal tide in this area is but 1.1 ft., only the high water line has been shown.

This sheet has been compiled from photographs taken with Aero Service Corporation's H.U.I.-33 five-lens camera. photos 528 to 548, taken at 7:45 a.m. July 18, 1934, have been used. This flight runs in a northwesterly direction.

II. CONTROL:

(A) Sources

1. Triangulation by G. L. Anderson, 1934-35.
2. Transit traverse by Jno. S. Huffman, Jr., Supervising Engineer, U.S. C. & G. Survey - State Survey, State of Alabama - 1935.

These stations of the Alabama Geodetic Survey will probably be filed as second or third order traverses in the division of Hendry at some time in the future. However since no partitions are yet available in Hendry and since the final partitions may differ appreciably from those radial plotted by Rice and shown on T 5528 the stations are shown on the sheet with center L.C.R.

The triangulation on this sheet by Lieut. G. L. Anderson in 1934 is on the North American 1927 Datum (adjusted). The triangulation executed in 1935 is on the North American 1927 Datum (unadjusted).

The geographic positions of the stations along the transit traverses, executed under the supervision of Jno. S. Huffman, 1935, for U.S. C. & G.S. - State Survey, Alabama, were computed in this office on the North American 1927 Datum (unadjusted) from data obtained from State Local Control Survey of the State of Alabama, with offices located in Mobile, Alabama.

The following transit traverse stations, although they are not within the tracing limits of the sheet, were used for control in running the radial line plot. They were plotted on the sheet from their geographic positions:

- ✓ 1. T.T. 266-A  
Lat. 30°24' 713.2 m.  
Long. 87°45' 1214.2 m.
  - ✓ 2. T.T. 266-B  
Lat. 30°24' 700.2 m.  
Long. 87°46' 124.4 m.
  - ✓ 3. T.T. 266-C  
Lat. 30°24' 1526.4 m.  
Long. 87°46' 110.5 m.
  - ✓ 4. T.T. 266-D  
Lat. 30°25' 1715.8 m.  
Long. 87°46' 110.5 m.
  - ✓ 5. T.T. 266-E  
Lat. 30°26' 671.3 m.  
Long. 87°46' 121.7 m.
- No cards (Form 524) submitted for these stations.*

The following T.T. stations and U.S.E. #149 have been located on the sheet by radial line intersection and the geographic positions have been scaled off. It was impossible to compute the geographic positions of the following T.T. stations because the traverse was not completed at the time of this compilation:

- 1. T.T. 258-A  
Lat. 30°24' 1527.5 m.  
Long. 87°52' 1521.3 m.
- Described on Form 524.*

- 2. T.T. 258-B  
Lat. 30°24' 1506.9 m.  
Long. 87°53' 1599.6 m.
- 3. T.T. 258-C  
Lat. 30°25' 284.3 m.  
Long. 87°54' 927.0 m.
- 4. U.S.E. #149  
Lat. 30°24' 687.0 m.  
Long. 87°48' 158.6 m.

Transit traverse #258 runs southward from station SMILEY 1930 to station MACK 1934, and #266 from station FOLEY 1934 west and north to station SMILEY 1930.

The topo stations shown on this compilation in the vicinity of Bon Secours River have been transferred to the celluloid from aluminum plane table sheet #6253-b.

(B) Errors

There are no errors in control for this sheet.

(C) Discrepancies

There are no discrepancies.

III. COMPILATION:

(A) Method

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

(B) Adjustments of plot

Most of the photos used in tracing this sheet were free from excessive tilt and their scale did not differ greatly from that of the projection.

(C) Interpretation

The graphic symbols used are those approved by the Board of Surveys and Maps, 1932, except the symbol ( ? ) used to denote brush.

(D) Information from other sources

No information other than that mentioned under "General Information" has been used in the compilation of this sheet.

(E) Geographic names

All names shown on this sheet were taken from U.S.C. & G. Survey Chart No. 1266.

(F) New names

There are no new names.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets Nos. T-5497 on the south and T-5529 on the north are satisfactory.

The positions of shorelines, docks, and beacons in the vicinity of Bon Secours River check satisfactorily with those as shown on topographic sheet #6253-b.

V. LANDMARKS:

There are no landmarks of value to navigation other than those submitted by Lieut. I. E. Rittenburg. *None submitted for this area.*

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

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

*R. S. Poor*  
Submitted by: R. S. Poor, Surveyor;  
*H. A. Butters Jr.*  
H. A. Butters, Jr., Draftsman;  
*R. E. Wagner*  
R. E. Wagner, Draftsman.

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

*This compilation is considered correct within 0.3 to 0.5 mm.  
for intersected points and 0.3 to 0.8 mm for other detail.*  
*J. H. E.*



MEMORANDUM TO ACCOMPANY SHEET NO. T-<sup>5528</sup>5497

In comparing compilation No. 5497 with compilation No. 5528, it was discovered that there was some error along Bon Secours River on No. 5497. This was caused by the detail being traced originally from photographs which were very hazy in the extreme limits of the wing, which was reported in the descriptive report for 5497.

This same area has been shown on 5528, and the negative for 5497 may be corrected or the detail expunged from this compilation, as the same detail is duplicated on 5528.

There also was a small error in the southwest portion of this sheet, which has been rectified and agrees with compilation 5534. (*apparently applies to T-5497 & T-5534*)

*M. H. Reese*  
M. H. Reese,  
Chief of Party, C. & G. S.

*The shoreline of Bon Secours River on T-5528 is accepted as correct and has been transferred to T-5497. A detailed discussion of this junction is in the Review of T-5497*  
-75.6

## Remarks

## Decisions

	Remarks	Decisions
1	Called "Fish River" on Military Map.	
2		
3		
4	Called "Veek's Bay" by Rand Mc Kally.	"Bay of Weeks" on Misc 2
5	Called E. Branch on Military Map.	
6	Called "Cape Weeks" on T Misc. 2.	
7		
8	From Secor "Harbor" on T misc. 2, inside the entrance.	
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GEOGRAPHIC NAMES

Survey No. T-5528

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D	E	F	G	H	K		
<u>Fish River (N. Mouth)</u>	1266	T3712									1
<u>Mullet Point</u>	1266	T276 T3712	✓								2
<u>Bayside</u>	1266		✓								3
<u>Weeks Bay</u>	1266	T276 T3712	✓								4
<u>Fish River (S. mouth)</u>	1266	T3712						unmarked R.			5
<u>Fish River Point</u>	1266	T3712	✓					✓			6
<u>Fish River</u>	1266	T276						✓			7
<u>Bon Secours Bay</u>	1266			D.G.M.	No S.			Bon Secours Bay			8
<u>Cypress Point</u>	1266	misc. T276 T3712	✓								9
<u>Skunk Bayou</u>	1266	T277 T3712									10
<u>Bon Secours</u>	1266		✓	D.G.M.	No S.	✓		Bon Secours			11
<u>Bon Secours River</u>	1266	T277		D.G.M.	No S.			Muddy Cr.			12
											13
											14
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                 Names underlined in red approved                  by <u>E. Egan</u> on 2-4-36             </div>											15
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REVIEW OF AIR PHOTO COMPILATION T 5528  
Scale 1:20,000

Comparison with Graphic Control Surveys

T 6253b (1935), 1:10,000

T 6253b covers the extreme southern part of this compilation. The shoreline agreement is good. Eight topographic stations were transferred to T 5528 by *F. G. Estline* and checked by *L. Arundson*. Topographic Station RED (30° 17' 1663 (185)m., 87° 44' 860 (744) m.) plots at the end of a pier. Since there is no description of this station either on Form #524 or on T 6253b it is not shown on this survey.

All detail over the common area is shown on T 5528 except temporary stations, topographic station RED, and the magnetic meridian.

Comparison with Previous Topographic Surveys

Misc. 2 (1845), 1:200,000 - Reconnaissance  
T 276 (1849), 1:20,000  
T 277 (1849), 1:20,000  
T 286 (1849), 1:20,000  
T 3712 (1917), 1:40,000  
T 3713 (1917), 1:40,000

Very little change has taken place in shoreline in this area. A few of the piers on the 1917 surveys are gone.

T 5528 is adequate to supersede the above surveys over the common area.

Comparison with Contemporary Hydrographic Surveys

H 5707 (1935), 1:10,000

This hydrographic survey covers the entrance to Bon Secours River which is the southern part of T 5528. There are no conflicts with the hydrography.

Comparison with Chart 1266

The photographs have been examined and all piers now in existence are shown on this survey.

At lat. 30° 17.8', long. 87° 45' the chart has the word PILES. These piles are shown on the adjoining compilation, T 5497.

There are no landmarks or lights on the chart within the limits of the compilation and none have been recommended.

Described Stations

Described Stations NOD, S. GABLE BOAT HOUSE BON SECOURS, and USE 35 are filed under T 6253b.

April 3, 1936.

*Frank G. Erskine*  
Frank G. Erskine

## REVIEW OF AIR PHOTO COMPILATION NO. T-5528

Chief of Party: M. H. Reese

Poor, Butters,  
Compiled by: and Wagner.

Project: Alabama-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)

~~None necessary.~~ Yes - see Review

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 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.

Yes.

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)

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." M-27

8. The representation of <sup>high</sup> ~~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 for this area.*

~~Submitted by Lieut. I. B. Rittenburg;~~

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.~~ *No bridges*

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. (Unadjusted)

Yes.

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 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;

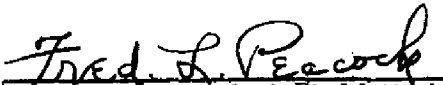
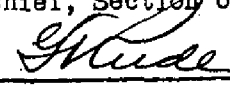
  
M. H. Reese  
Chief of Party

19. Remarks after review in office:

Reviewed in office by:

Examined and approved:

  
Chief, Section of Field Records  
  
Chief, Division of Charts

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