

5486

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-5486  
~~Hydrographic~~

State Florida

### LOCALITY

~~Pensacola Bay~~

Escambia Bay from ~~Devil Point~~  
~~to Devil Point~~  
~~to Escambia River.~~

DEVIL POINT AND VICINITY

1934  
Date of photos - July 1934

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

Applied T. CM 490 - Oct. 1936 - H. S. Gamble

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. 15

REGISTER NO. T-5486

State Florida

General locality ~~Pensacola Bay~~ ESCAMBIA BAY

Locality ~~Escambia Bay from Devil Point to Escambia River.~~ AND VICINITY

Scale 1:10,638 Date of ~~survey~~ photographs July 11 & 20, 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 C. 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 1:10,638. Enlarged and printed by photolithography on scale of 1:10,000. Scale factor 0.94.

- STATISTICS -

on

SHEET, FIELD NO. 15, REG. NO. T-5486

PHOTOS, NO. 641 TO NO. 656  
199 210  
 DATE OF PHOTOGRAPHS 7/11/34 TIME 7:15 a.m.  
7/20/34 3:15 p.m.

	BY	DATE FROM TO
ROUGH RADIAL PLOT	--	
SCALE FACTOR (0.94)	--	
SCALE FACTOR CHECKED	--	
PROJECTION	<i>E. P. Hernandez Jr.</i> E. P. Hernandez Jr.	1/24/35
PROJECTION CHECKED	<i>H. C. Smith</i> H. C. Smith	1/24/35
CONTROL PLOTTED	<i>S. S. Gill</i> S. S. Gill	1/25/35
CONTROL CHECKED	<i>H. A. Butters, Jr.</i> H. A. Butters, Jr.	1/25/35
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED	<i>H. C. Smith</i> H. C. Smith	
SMOOTH RADIAL LINE PLOT	<i>C. Carter Brown</i> C. Carter Brown	1/30/35
RADIAL LINE PLOT CHECKED	<i>E. P. Hernandez Jr.</i> E. P. Hernandez Jr.	1/30/35
DETAIL INKED	<i>C. Carter Brown</i> C. Carter Brown	2/2 - 2/19/35
PRELIMINARY REVIEW OF SHEET	<i>S. S. Gill</i> S. S. Gill <i>MAR</i>	3/1/35

TOTAL SHEET AREA 25.7 sq. Statute Miles  
 AREA OF DETAIL INKED 17.4 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) 10 Statute Miles  
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 11.5 Statute Miles

GENERAL LOCATION ESCAMBIA  
Pensacola Bay

LOCATION Escambia Bay from Devil Point to Escambia River AND VICINITY

DATUM North American 1927 Adjusted

STATION Pine Bluff 1934 Latitude 30°30'14.796" (455.6 m...)  
 Longitude 87°09'39.905" (1064.1 m.)  
 Devil Pt. 3, 1934 { Lat. 30°29'27.448" (845.2 meters) } Unadjusted  
 { Long. 87°09'02.578" (68.8 meters) }

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5486

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.

The inland area covered by this sheet is for the greater part scattered pines, broadleaved trees, and grass. Near the shore are mainly broadleaved trees. There is a bluff that follows the shore line almost to the northern edge of the sheet. At that section there are marsh and grass around the mouth of Escambia River. Also near the mouth of Escambia River is a small section of indefinite shore line, indicated with a broken line. There are scattered farms and orchards in the area of this sheet. In the southwestern corner of the sheet are numerous houses. An airport under construction is in the southcentral portion of the sheet. U.S. Highway No. 90 follows the shore line closely, as does the Louisville & Nashville Railway. NB

The range of normal tide along Escambia Bay is so small (approximately one foot) that the high-water line, as traced from field prints, was used in showing shore lines.

The area covered by this sheet was traced from photographs made by the Aero Service Corporation with their H.U.I.-33 five-lens camera. Photographs Nos. 641 to 656 were taken running approximately northwest and southeast along the central portion of the sheet. Photographs Nos. 199 to 210 were taken running approximately east and west along the southcentral portion of the sheet.

Clearances and spans of bridges over navigable water are shown on the overlay sheet. *This data was obtained by the field inspection party.*

VI. CONTROL:

(A) Sources.

The following sources of control were used in the compilation of this sheet:

- (a) Triangulation by M. H. Reese, 1934.
- (b) Triangulation by George L. Anderson, 1934.

*fixed* The geographic positions of these stations were computed on the North American 1927 Adjusted Datum.

(B) Errors.

There were no errors in control used in the compilation of this sheet.

(C) Discrepancies.

There were no discrepancies in the compilation of this sheet.

III. COMPILATION:

(A) Method.

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

(B) Adjustment of plot.

There was no excessive tilt in the photographs used in tracing this sheet. The amount of adjustment was small and easily made.

(C) Interpretation.

The graphic symbols used are those approved by the Board of Surveys and Maps (1932), except the symbol (  $\zeta$  ) which was used to designate brush.

(D) Information from other sources.

Shore lines have been compared with those on sheets of the hydrographic party under Lieut. I. E. Rittenburg, and disagreements have been rectified.

(E) Conflicting names.

None.

(F) List of new names.

Gull Point, (name of postoffice).

*Riveries. These names are in general use locally. Gull Point is the name of the postoffice located on Devil Point.*

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheet No. T-5485 on the northeast, sheet No. T-5486 on the south, and sheet No. T-5482 on the west, are satisfactory.

General details check in shape with those on Chart 1265. Several piers appear on this sheet which are not shown on Chart 1265. There is a large wharf shown on Chart 1265 just north of Lora Point that ~~does not appear on this sheet.~~ *no longer exists*

The names of several settlements appearing on Chart 1265, along the shore of Escambia Bay, do not appear on this sheet. *as they are not generally used.*

V. LANDMARKS:

Landmarks of aid to navigation in this area are submitted by the hydrographic party.

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

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

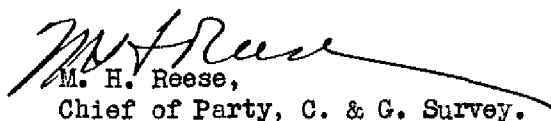
*This compilation is considered correct within 0.3 to 0.5 m.m. for interrupted points and 0.3 to 0.8 m.m. for other detail.*  
*W.S.E.*

MEMORANDUM TO ACCOMPANY SHEET NO. T-5486.

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The shore line and all topographic features along the high water line within the area covered by this sheet were transferred to the aluminum topographic sheet executed by Lieut. Rittenburg.

Lieut. Rittenburg instructed his topographer to check the high water line and other features at each set-up and each topographic signal. No changes or corrections were found necessary, and it is considered that the information shown is correct.

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





REVIEW OF AIR PHOTO COMPILATION T 5486  
Scale 1:10,000

Comparison with Graphic Control Surveys

T 6319a and b (1935), 1:20,000

No discrepancies in shoreline. Just south of Devil Point is a dock + 25 meters long on T 5486. T 6319b shows a signal FLAG, apparently at the end of this dock, which makes the dock some 120 meters in length. Reference is made to this dock in the sounding records of H 5822 which indicates the dock is of the longer length. The photographs clearly define the dock as shown on the compilation. Signal FLAG was not transferred to the compilation and the dock is shown as of July 20, 1934 (date of photographs). See review H 5822 for discussion.

All detail on T 6319a and T 6319b over the common area is shown on T 5486 except the magnetic meridian, temporary stations and as mentioned above.

Comparison with Previous Topographic Surveys

T 717 (1858), 1:20,000  
H 1932 (1889), 1:5,000 (Topography from Lat. 30°29.5' to 30°28')  
T 1984 (1890), 1:10,000  
T 2030 (1891), 1:10,000  
T 2157 (1894), 1:10,000

Changes since the above surveys have been limited to small details. Several settlements shown on these old surveys have practically disappeared (see page 4). All bluffs of importance for charting are shown on T 5486.

T 5486 is adequate to supersede the above surveys over the common area except for contours.

Comparison with Contemporary Hydrographic Surveys

H 5822 (1935), 1:20,000

There are no discrepancies with the hydrography.

Numerous piles and stakes shown on H 5822 do not appear in the photographs and are not shown on the compilation. Two rocks are shown on this compilation at Rock Point. A fix was taken on the inshore rock by the hydrographic party which agrees fairly well with the position shown on this survey.

Comparison with Chart No. 1265

Piling is all that remains of the large piers on the chart at Escambia, just west of the bridge.

The dock at Yniestra, just south of Rock Point on the chart no longer exists.

There is no evidence of the piling at Lat.  $30^{\circ} 32'$  on either H 5822 or the photographs.

The piling at lat.  $30^{\circ} 31.5'$ , long.  $87^{\circ} 10.9'$  is not visible in the photographs but a small amount of piling is shown on H 5822.


The dock at lat.  $30^{\circ} 30.5'$  no longer exists.

In the vicinity of the sunken rock at Rock Point, this compilation shows two rocks awash.

Escambia, Yniestra, and Red Bluff are the names of settlements no longer in general usage.

All landmarks and aids to navigation shown on the chart (1/24/36) in this area are on the compilation.

April 27, 1936.

  
Frank G. Erskine

REVIEW OF AIR PHOTO COMPILATION NO.

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)

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.

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.

Yes. *See memo*

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 <sup>sandy</sup> ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

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, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

Discussed in descriptive report.

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)

By hydrographic party. *True submitted.*

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)

By hydrographic party.

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)

Indicated on overlay sheet.

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)

See descriptive report.

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

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

Yes.

15. The drafting is *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:

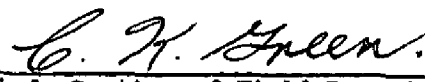
18. Examined and approved;

  
M. H. Reese,  
Chief of Party


19. Remarks after review in office:


Reviewed in office by: 

Examined and approved:

  
Chief, Section of Field Records

  
Acting Chief, Division of Charts

  
Chief, Section of Field Work

  
Chief, Division of Hydrography  
and Topography.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT } No. H  
 PHOTOSTAT OF } No. T 5486

{ received  
 { registered  
 { verified  
 { reviewed  
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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88	✓	cmd	T 5486
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RETURN TO

82 Jones

*Please Return Promptly.*