

5499

5499

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T-5499
State <u>Florida</u>	
LOCALITY Island <u>Santa Rosa Sound</u>	
The Narrows, <u>Florosa, Fla.</u> to Fort Walton, Fla.	
1935	
CHIEF OF PARTY <u>M. H. Reese.</u>	

Applied to chart 1264
Applied to Chart 871

Feb. 5, 1938

July 11, 1946

g.H.S.

M. M. R. v. 1845
9/21

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. 27 **T5499**

REGISTER NO. T-5499

State Florida Island
General locality Santa Rosa Sound
~~Choctawhatchee Bay~~
Locality Santa Rosa Sound The Narrows, Fort
~~(Choctawhatchee Bay to Longitude 86° 42' 30" W. to~~
Scale 1:10,870 Date of photographs June 26, 1934
~~Survey~~
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 L. L. Wright & S. S. Gill
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 1:10,870 and enlarged and
printed on scale of 1:10,000 by photolithography. Scale
factor 0.92.

- STATISTICS -

ON

SHEET, FIELD NO. 27 , REG. NO. T-5499

PHOTOS, NO. 1 TO NO. 19

DATE OF PHOTOGRAPHS 6/26/34 TIME 8:00 a.m.

	BY	DATE
		FROM TO
ROUGH RADIAL PLOT	<i>E. P. Hernandez Jr.</i> E. P. Hernandez, Jr.	9/25/34
SCALE FACTOR (0.92)	<i>E. P. Hernandez Jr.</i> E. P. Hernandez, Jr.	9/25/34
SCALE FACTOR CHECKED	<i>M. H. Reese</i> M. H. Reese	9/25/34
PROJECTION	<i>G. O. Coignet</i> G. O. Coignet	12/19/34
PROJECTION CHECKED	<i>H. C. Smith</i> H. C. Smith	12/19/34
CONTROL PLOTTED	<i>M. B. Gill & G. O. Coignet</i> M. B. Gill & G. O. Coignet	12/21/34
CONTROL CHECKED	<i>G. O. Coignet & H. C. Smith</i> G. O. Coignet & H. C. Smith	12/22/34
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	<i>H. C. Smith</i> H. C. Smith	12/26 - 12/28/34
RADIAL LINE PLOT CHECKED	<i>E. P. Hernandez Jr.</i> E. P. Hernandez, Jr.	12/29/34
DETAIL INKED	<i>S. S. Gill & L. L. Wright</i> S. S. Gill & L. L. Wright	12/31/34-1/1/35 1/3/35 - 2/7/35
PRELIMINARY REVIEW OF SHEET	<i>E. P. Hernandez Jr.</i> E. P. Hernandez, Jr.	2/26/35

TOTAL SHEET AREA 20 sq. Statute Miles
 AREA OF DETAIL INKED 20 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) 25.9 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 11.8 Statute Miles

GENERAL LOCATION Santa Rosa Sound
~~Choctawhatchee Bay~~

LOCATION (Choctawhatchee Bay to Longitude 86°42'30") The Narrows, Florosa to
Camp Walton

DATUM North American 1927 (Adjusted) Latitude 30°23'58.866" (1812.7 m.) ✓

STATION Cutter 1931-1934 Unadjusted Longitude 86°40'55.340" (1477.2 m.) ✓

(Another five for this Sta. given as
(SEE UNDER Geo. positions) Lat. $30^{\circ} 23' 58.881''$ 1913.1 meters
Long. $86^{\circ} 40' 55.383''$ 178.4 meters

COMPILER'S REPORT
FOR
PHOTO TOPOGRAPHIC SHEET NO. T-5499

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

The information used in the compilation of this sheet was obtained from notes and sketches made by the field inspection party and from aerial photographs of the area.

This sheet is composed of ^{part of Santa Rosa Island and the mainland North of} ~~a narrow strip of land along~~ the Narrows of Santa Rosa Sound, extending from Choctawhatchee Bay on the East, westward to Longitude $86^{\circ}42'30''$. In the southern part of the sheet is Santa Rosa Island, a narrow sandy island running the length of the sheet and spotted with brush, grass, trees, and some marshy places, mostly on the northern shore, together with many sand dunes and ridges.

Florida Highway No. 10 follows the northern shore of the Narrows to Fort Walton where it continues as Florida Highway No. 115 across Brooks Bridge and continues along Santa Rosa Island in an eastwardly direction. Florida Highway No. 10 turns north at Fort Walton and crosses Five Mile Bayou, going in a northeastwardly direction. } P 1005
10000

The mainland is covered with woodland, sand, brush and grass. Pines and scrub oak predominate, with some magnolias and a few palmettos (above Florosa). There are a few cultivated fields, but most of them have been abandoned.

This sheet was compiled from photographs Nos. 1 to 19, inclusive, taken June 26, 1934, 8:00 a.m. with the Aero Service Corporation's five-lens camera HUI-33. The shoreline of Five Mile Bayou was checked from photographs Nos. 658 to 660, taken July 21, 1934, 7:15 a.m.

The difference between high and low water lines is so small (mean range of tide 1.2 feet) that only the high water line, as determined by the field inspection party, was traced on the sheet.

Information pertaining to bridges over surveyed streams is shown on the overlay sheet. This information was taken from field measurements.

II. CONTROL:

(A) Sources.

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

Triangulation by M. H. Reese and George L. Anderson, 1934.

~~All control has been adjusted to the North American 1927 Adjusted Datum.~~

(B) Errors.

No errors were found.

(C) Discrepancies.

No discrepancies were found on this sheet.

III. COMPILATION:

(A) Method.

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

(B) Adjustment of plot.

The scale of photographs was practically uniform and no more than the usual amount of tilt and distortion was encountered.

(C) Interpretation.

The shoreline on Five Mile Bayou was hard to define, especially on the southern shore, due to trees obscuring the shoreline and also due to bad prints and distortion. This shoreline was traced on a radial plot from photos 658-660 at 1:20,000, and checked with shoreline as traced on compilation.

(the shoreline was transferred to this compilation by means of the shoreline projection)

Only the graphic symbols approved by the Board of Surveys & Maps (1932) were used on this sheet, except for the symbol ($\frac{1}{2}$) used to denote brush.

(D) Information from other sources.

Boat slip near Brooks Bridge ^{was} recently dredged and enlarged and thus traced from information supplied by the field inspection party.

The houses on the southern shore of the Narrows, approximately 350 meters west of the boat slip, are newly constructed and do not appear on photographs. They were spotted on field prints by the field inspection party. The same applies to some of the cottages adjacent to Silver Tower 1934.

The U.S.E. stations, beacons, lights and other hydrographic stations appearing on this sheet were taken from Lieut. I. E. Rittenburg's aluminum sheets and found to check with radial line intersections of these stations. The following stations were taken directly from aluminum sheets and were not cut in by radial line intersection:

BAG (d)
SUM (d)
Bn. #12 (d)
Lasater Pt. Bn. F.R. *
Bn. #5 (d) *
S. Gable Boat House
Bn. #10 (d) *
Flag Pole (nr. U.S.E. 29)
Flag Pole (86°36')
S. Gable House (86°37')
Flag Pole (86°36')
Water Tank (86°36')
Bn. #2 *
Bn. #3 *
Water Tank (86°35')

(Note: Stations marked with an asterisk were picked on the photographs and good radial line intersections obtained, but it was found that points so obtained were not the beacons or lights, as the case might be, and positions on the aluminum sheets were used.)

(E) Conflicting names.

None.

(F) New names.

The name SMACK PT. was obtained from the U. S. Department of Agriculture Forest Service Map of Choctawhatchee National Forest, Florida, Tallahassee Meridian, 1929.

The name KOHLER'S BAYOU was submitted by members of the field inspection party and is in general use by local inhabitants of the vicinity. The field inspection party reported that this name was obtained by inquiry from several people during the field inspection, principally from the proprietor of the general store, at Mary Esther, Fla., in which the post office is located

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheet No. T-5479 on the West and sheet No. T-5500 on the East are satisfactory.

Chart 185 shows a bayou on the east shoreline of the mainland, just south of Smack Pt., but the mouth of this bayou has been filled in with a sand bar, leaving only two small openings, forming a lake.

Chart 185 shows a long, narrow, marshy bayou just west of the point of land on the north shore of Santa Rosa Sound where the Sound joins Choctawhatchee Bay. This has now partly filled in, forming a swampy pond. In times of extreme high water an opening into the Sound is formed at the west end of the pond..

Chart 185 shows a cove, called by local inhabitants "Pirate Cove", just south of U.S.E. Station #24, 1934. The mouth of this cove has been filled in considerably and the former cove is now a lake, with an opening into the Narrows of Santa Rosa Sound.

The whole south shore of the Narrows of Santa Rosa Sound, from Longitude 86°39' to 86°41', which is marshy, has changed slightly in spots.

V. LANDMARKS:

The list of landmarks for charts on Form 567 for the area covered by this sheet is submitted by Lieut. I. E. Rittenburg.

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:

L. L. Wright
L. L. Wright,
Draftsman.

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

REVIEW OF AIR PHOTO COMPILATION T-5499

Scale 1:10,000

Comparison with Graphic Control Surveys

1. T-6316a (Jan.-Feb. 1935) 1:10,000

With the exception of minor differences in location of high water line at several localities there are no discrepancies noted. The aforementioned differences are apparently due largely to interpretation and planetable sketching. Compilation has not been changed.

2. T-6317a (Jan.-Feb. 1935) 1:10,000

As Above.

All detail on the Graphic control sheets 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 Surveys.

1. H-5805 (Feb.-April 1935) 1:10,000

Four piers not shown on the hydrographic sheet have been added to the latter on the north shore of the Narrows between the meridians $86^{\circ} 36'$ and $86^{\circ} 37'$ to have this sheet conform with the compilation. No other discrepancies.

2. H-5806 (Jan.-April 1935) 1:10,000

Additions of piers have been made to the hydrographic sheet on the north shore of the Narrows between the meridians $86^{\circ} 36'$ and $86^{\circ} 37'$ to have this sheet conform to the compilation. A day marker No. 1 (lat. $30^{\circ} 24.1'$, long. $86^{\circ} 35.7'$) shown on the hydrograph and on Chart 125 has not been located on the compilation and is not visible on the photographs. No other discrepancies.

3. H-5836 (June 1935) 1:10,000

No discrepancies noted.

Comparison with Previous Topographic Surveys.

- T-1191 (1871) 1:20,000

There are numerous minor changes in the location of the H.W.L. which are to be expected after a lapse of sixty-three years. Silting and erosion have occurred but the general topography has suffered little change. The compilation is complete and adequate to supersede T-1191.

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

The compilation shows numerous minor corrections to the charted shoreline and extensive changes in the location of roads north of the Narrows. A day beacon (#1) is shown on Chart #185 in the vicinity of lat. $30^{\circ} 24.1'$, long. $86^{\circ} 35.7'$. It is absent from the compilation and is not evident on the photos. It has been located, however, on hydrographic sheet H-5806. With the above exception all landmarks and aids to navigation shown on that part of Chart 185 covered by this compilation are shown on the compilation.

General

Trails shown on this compilation are not complete. Interior topography such as limits of clearings and swamps are poorly defined.

Dec. 8, 1936

Frank R. Gollon

REVIEW OF AIR PHOTO COMPILATION NO. T-5499

Chief of Party: M. H. Reese

Compiled by: L. L. Wright

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 ~~xxx~~)

Noted in report.

- ✓ 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~~ ~~xxx~~)

None ~~used~~.

- ✓ 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 ~~used~~ 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 ~~xxx~~)

Mentioned in report.

- ✓ 7. High water line on marshy and ^{sandy} ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. ~~12a~~, ~~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 ~~low water lines, reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)
Due to the small range of tide in this area only
~~Mentioned in descriptive report.~~
The high water line was shown on the sheet.
- ✓ 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. Additional recoverable objects described by Lieut.

I. E. Rittenburg.

- ✓ 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, by Lieut. I. E. 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.

- ✓ 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)

Mentioned in descriptive report and indicated on overlay sheet.

- ✓ 13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted. *Un*Adjusted)

Yes.

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

Yes.

- ✓ 15. The drafting is *fair* 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;

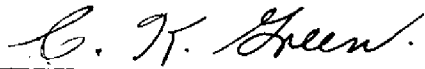
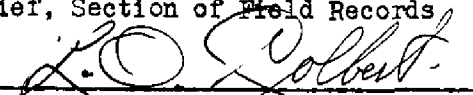

M. H. Reese,
Chief of Party

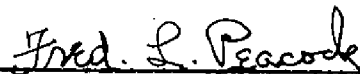

19. Remarks after review in office:

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.

Survey No. T-5499

Date. July 22, 1935

GEOGRAPHIC NAMES

Chart No. **184**

FLORIDA

Diagram No. _____

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Applied 871 ~~Apr.~~ 6-20-46

[illegible]

From: Lieut. (j.g.) M. H. Reese
608 Brent Bldg.,
Pensacola, Fla.

Contents:

(a) Descriptive report for each of the
following sheets:

Nos. T-5499 & T-5519.

(b) Five cards - Form 524.