

5481

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

DESCRIPTIVE REPORT

Topographic | Sheet No. T-5481
~~*Hydrographic*~~

State Florida

LOCALITY

Blackwater Bay

~~East Bay to Shield Point~~
Escribano Pt. and vicinity

193 5

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

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41
10

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. 10

T5481

REGISTER NO. T-5481

State Florida

General locality Blackwater Bay

Locality ~~East Bay to Shield Point~~ ^{Escrit} ~~Escritano Pt and vicinity~~

Scale 1:10,000 Date of ~~survey~~ ^{photographs} July 11, 1934.

~~Vessel~~ Air Photo Compilation Party No. 24, Pensacola, Fla.

Chief of party M. H. Reese

Surveyed by See data sheet in the descriptive report.

Inked by ~~C. C. Brown~~ C. C. Brown & C. G. W. Swanson

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval ----- feet

Instructions dated June 7, 1934.

Remarks: Compiled and printed on scale of 1:10,000.

Scale factor 1.00.

- STATISTICS -

on

SHEET, FIELD NO. 10, REG. NO. T-5481

PHOTOS, NO. 117 TO NO. 145

DATE OF PHOTOGRAPHS 7/11/34 TIME 7:30-8:00 A.M.

BY

DATE
FROM TO

ROUGH RADIAL PLOT	<u>R. E. Wagner</u>	<u>10/22/34</u>
SCALE FACTOR (1.00)	<u>R. E. Wagner</u>	<u>10/23/34</u>
SCALE FACTOR CHECKED	<u>E. P. Hernandez Jr.</u>	<u>10/23/34</u>
PROJECTION	<u>E. P. Hernandez Jr.</u>	<u>10/24/34</u>
PROJECTION CHECKED	<u>H. C. Smith</u>	<u>10/24/34</u>
CONTROL PLOTTED	<u>G. O. Coignet</u>	<u>10/25/34</u>
CONTROL CHECKED	<u>S. S. Gill</u>	<u>10/26/34</u>

TOPOGRAPHY TRANSFERRED

TOPOGRAPHY CHECKED

SMOOTH RADIAL LINE PLOT	<u>S. S. Gill</u>	<u>10/26 - 11/12/34</u>
RADIAL LINE PLOT CHECKED	<u>E. P. Hernandez Jr.</u>	<u>11/12/34</u>

DETAIL INKED	<u>C. G. W. Swanson & C. C. Brown</u>	<u>12/7 - 12/17/34</u>
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PRELIMINARY REVIEW OF SHEET	<u>E. P. Hernandez Jr. & G. O. Coignet</u>	<u>5-9-35</u>
		<u>1/7/35</u>

TOTAL AREA OF SHEET 26.6 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)
20.5 Statute Miles

LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
48 Statute Miles

GENERAL LOCATION Blackwater Bay

LOCATION East Bay to Shield Point

DATUM North American 1927 (Unadjusted)

	<u>47.593"</u> (<u>1465.6 m.</u>)
Latitude	<u>30°33'47.726"</u> (<u>1469.7 m.</u>)
	<u>27.136"</u> (<u>723.3 m.</u>)
Longitude	<u>86°59'27.392"</u> (<u>730.1 m.</u>)

STATION Yellow River 1892-1934

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5481

FIELD NO. 10

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

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

The area covered by this sheet consists of sandy land covered with pine, scrub oaks, broadleaved trees, brush, and grass. There are areas of marsh in the central part of the sheet where numerous streams and lakes are located, and a few scattered areas of cultivated land.

The range of normal tide along the shore of East Bay and Blackwater Bay is slightly more than one foot, and the difference between low and high tides is so slight that the high water line as shown in field photographs was traced in showing shorelines.

The area covered by this sheet was traced from photographs made by the Aero Service Corporation, with their HUI-33 five-lens camera. Photographs Nos. 117 through 127 were taken running approximately northwest across the southernmost section of land shown on the sheet. Photographs Nos. 128 through 145 were taken running north along Longitude $86^{\circ}59'$.

The U.S.G.S. T.T. stations are shown on this sheet with a 2.5 mm. circle.

On chart 1265 wharves are shown around Bay Point. Two of these are now shown as piling. The other wharves seem to have been removed or destroyed. No wharves exist at the tip end of Bay Point.

II. 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 G. L. Anderson, 1934.

The geographic positions of these stations were computed on the North American 1927 Unadjusted Datum.

See memo

(B) Errors.

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

(C) Discrepancies.

The geographic positions of the U.S.G.S. T.T. stations in this area were not used as control in the radial plot. Instead, geographic positions of these stations as established by the radial plot were scaled from the celluloid and reported on form 524.

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, but the scale difference from the scale of the projection was large, and it was necessary to make continuous adjustments while tracing. There was not much fluctuation in scale of photographs.

(C) Interpretation.

Graphic symbols used are those as approved by the Board of Surveys and Maps (1932) except the symbol ($\frac{\pi}{4}$) that is used to designate brush.

An indefinite shoreline around the area of marshy ground in the north central section of this sheet is indicated by a broken line.

(D) Information from other sources.

No additional information aside from that mentioned in "General Information" was used in the compilation of this sheet.

(E) Conflicting names.

There are no conflicting names on the various charts of this area.

(F) List of new names (well-established local).

Yellow River	Shell Hammock Bayou
Shadrick River	Big Catfish Basin
Broad River	Little Catfish Basin
Weaver River	Fundy Bayou

Names corroborated by U. S. Engineers Office and by a native of the locality.

IV. COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet with sheets to the north, ~~III~~, T-5482
west, ~~VI~~, and southeast, ~~IV~~, are satisfactory.
T-5483 T-5480

General details check in shape with Chart No. 1265. An accurate check of this area cannot be made due to the large difference in scale between this sheet and Chart No. 1265.

V. LANDMARKS:

Landmarks of aid to navigation in this area are submitted on form No. 567, by Lieut. I. E. Rittenburg's 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. C. Brown*
C. C. Brown,
Draftsman.

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

*This compilation is considered correct within 0.3 to 0.5 m.m. for
intersected points and 0.3 to 0.8 m.m. for other detail
756.*

MEMORANDUM TO ACCOMPANY SHEET NO. T-5481.

The shore line of this compilation was transferred to the plane table sheet of Lieut. Rittenburg's party. The topographer was instructed to check the shore line at each plane table set-up and each topo signal and if any differences were discovered to rod in the shore line until the error was determined. There was only one difference of note, and this has been rectified on the compilation. The location of the piers and old wharves, which could not be identified accurately on the photographs, were transferred from the topo sheet to the compilation.

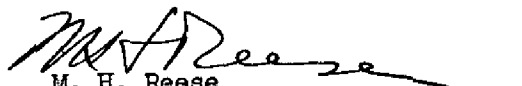
This sheet was originally compiled from triangulation data computed from the field positions of the first order arc. When the first order arc was adjusted, there was considerable difference between the adjusted and field positions. The projection on this sheet has been shifted to the adjusted datum. The manner in which the factor was obtained is given below:

positions used on this compilation
N.A. 1927 FINAL POSITION

STATION	(UNADJUSTED)		CORR'N	N.A. 1927 FIELD
Milligan U.S.E.	30 35 10.238	315.3	-4.2	319.5
1892-1934	87 01 06.386	170.1	-7.0	177.1
Shield Pt. Bn.	30 34 50.730	1562.2	-4.1	1566.3
1934	87 00 45.201	1204.3	-7.0	1211.4
Razor U.S.E.	30 34 50.957	1569.2	-4.1	1573.3
	87 00 17.425	464.3	-6.9	471.2
Bay Pt. Bn.	30 34 02.590	79.7	-4.2	83.9
	86 59 47.802	1273.9	-6.8	1280.7
Yellow River	30 33 47.593	1465.6	-4.1	1469.7
	86 59 27.136	723.3	-6.8	730.1
Robinson Pt.	30 32 52.567	1618.7	-4.1	1622.8
	87 00 53.675	1430.6	-7.2	1437.8
Weaver Mouth	30 32 43.972	1354.1	-4.0	1358.1
U.S.E.	87 00 02.532	67.5	-6.8	74.3
Grass Pt. U.S.E.	30 31 21.797	671.2	-3.9	675.1
	87 00 43.698	1165.1	-6.8	1171.9
Escribano	30 30 49.689	1530.1	-3.9	1534.0
	86 58 53.565	1428.2	-6.9	1435.1

STATION	N.A. 1927 FINAL POSITION (UNADJUSTED)		CORR'N	N.A. 1927 FIELD
Escribano Pt.	30 30 16.136	496.9	-3.8	500.7
	87 01 10.028	267.4	-6.8	274.2
Helms 1934	30 34 03.492	107.5	-4.2	111.7
	86 59 09.745	259.7	-6.8	266.5
Bayou, East Bay	30 28 48.407	1490.6	-3.7	1494.3
	86 58 40.008	1067.1	-6.8	1073.9
Eagle Pt. U.S.E.	30 31 52.116	1604.9	-3.9	1608.8
	87 02 14.627	389.9	-7.0	396.9

(Average Correction: Lat. -4.0; Long. -6.9)


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

Survey No. T-5481

Date. June 14, 1935

GEOGRAPHIC NAMES

Chart No. 1265

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

[illegible]

REVIEW OF AIR PHOTO COMPILATION T-5481

Comparison with Graphic Control Survey

T-6320b (March 1935), 1:20,000

There were no discrepancies in high water line or detail at places checked by rodding on the graphic control survey. The plane table sheet showed numerous isolated piles which were transferred to the compilation. There was a large difference in the arrangement and location of piling and ruins of docks and piers in vicinity of Bay Point. The compilation was changed to agree with the plane table sheet where the photographs were not clear on the piling detail.

All detail on the above graphic control sheet is now shown on the compilation except the temporary plane table stations and magnetic meridian.

Comparison with Contemporary Hydrographic Survey.

H-5834 (April-June, 1935), 1:20,000

Comparison showed some difference in the arrangement and location of piling and dock ruins at Bay Point. There were also minor discrepancies in delineation of the island at lat. $30^{\circ} 33.5'$, long. $86^{\circ} 59.9'$ and the east end of the island at lat. $30^{\circ} 34.7'$, long. $86^{\circ} 59.5'$. These differences have been taken up with the reviewing unit and corrected on H-5834.

Comparison with Previous Topographic Surveys.

There have been numerous changes in HW line in vicinity of Catfish Basin, Grass Point, Fundy Bayou, Yellow and Shadrick Rivers, and in marshy areas opposite Robinson Point. Many structural changes have been made including changes in road location and numerous changes in docks, piers, etc.

The compilation is complete and adequate to supersede the following previous topographic surveys for charting except as noted:

T- 797 (1960) 1:20,000
T-2093 (1892) 1:10,000
T-2158 (1894-5) 1:10,000 except contours.

General

The delineation of interior detail on this compilation is very poor. Generalization has been carried to the extreme. The limits of swamp lands, and the limits of wooded areas are poorly drawn and indefinite whereas the photographs are clear and this detail is well defined.

The interior detail on this compilation has not been corrected as it would require re-drafting practically the entire interior area which is not warranted at this time.

11/24/36

H. H. Schleiter

REVIEW OF AIR PHOTO COMPILATION NO. T-5481

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)

Mentioned in descriptive report under "General Information".

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 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.

~~No other surveys are available.~~ 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)

Discussed in descriptive report.

7. ✓ High water line on marshy and ^{sandy} ~~mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

H.W.L. was drawn as determined by field inspection party.

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, ^{and sand bars} ~~reefs, coral reefs and rocks, and legends pertaining to them~~ is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

Due to small difference in low and high water marks and scale in the photograph, only the H.W.L. was shown.

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)

None.

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)

All geographic names available are shown on the overlay tracing and mentioned in report under P III (e).

13. ✓ The geographic datum of the compilation is N.A. 1927 ~~un-~~ ^{Unadjusted} and the reference station is correctly noted. ~~adjusted~~

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

Yes

except the H.W.L. which is fair. C.K.G.

15. ✓ The drafting is ~~satisfactory~~ ^{from} 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.

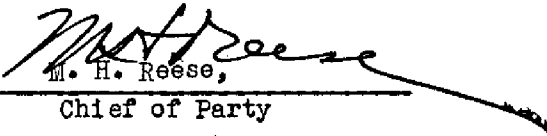
3. ✓ All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines 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

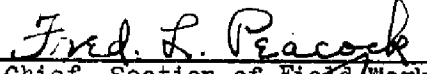

19. Remarks after review in office:

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.

Supplemental T. 5481

5/31/38.

Additions in red from original graphic control surveys. These were left off the original file copy and have been added to the Supplemental at the time the ~~Whitman~~ ~~was printed~~ printing was completed 5/31/38

B. G. J. / B. W. F.