

5507

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-5507
~~Hydrographic~~

State Florida

LOCALITY

St. Joseph Bay

Cape San Blas ~~Is.~~ to St. Joseph Point

Date of Photographs ¹⁹³⁴ Sept. 13, 1934

CHIEF OF PARTY

M. H. Reese

U. S. GOVERNMENT PRINTING OFFICE: 1934

5507

Applied to CHN 1263. March 1938. J.H.B.
" in print to CHN 183- Oct 1939 J.H.B.
" " " " 1114 Oct. 1939 J.H.B.
" to chart 867 July 10, 1946 W.A.B.

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-5507

State Florida

General locality St. Joseph Bay

Locality Cape San Blas Light House to St. Joseph Point

Scale 1:20,000 Date of photographs 9/13, 19 34

~~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 R. S. French

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

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

Instructions dated June 7, 19 34

Remarks: Compiled on scale of 1:20,000. Scale factor 1.00.

Printed by photolithography.

- STATISTICS -

on

SHEET, FIELD NO. _____, REG. NO. T-5507

PHOTOS, NO. _____ C-63 TO NO. _____ C-77

DATE OF PHOTOGRAPHS _____ 9/13/34 TIME _____ 9:10 a.m.

BY _____ DATE
FROM _____ TO _____

ROUGH RADIAL PLOT _____

SCALE FACTOR (1.00) _____

SCALE FACTOR CHECKED _____

PROJECTION _____ E. P. Hernandez, Jr. 2/23/35

PROJECTION CHECKED _____ G. O. Collier 2/23/35

CONTROL PLOTTED _____ C. Carter Brown 2/25/35

CONTROL CHECKED _____ H. A. Butters, Jr. 2/25/35

TOPOGRAPHY TRANSFERRED _____

TOPOGRAPHY CHECKED _____

SMOOTH RADIAL LINE PLOT _____ R. S. French 2/25 - 2/26/35

RADIAL LINE PLOT CHECKED _____ S. S. Gill 2/27/35

DETAIL INKED _____ R. S. French 2/28 - 3/8/35

PRELIMINARY REVIEW OF SHEET _____ E. L. Fitch 4/29/35

TOTAL AREA OF SHEET 93.15 sq. Statute Miles

AREA OF DETAIL INKED 3.3 sq. Statute Miles (Land Area)

AREA OF DETAIL INKED 0.5 sq. Statute Miles (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore)

40.5 Statute Miles

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

2. Statute Miles

GENERAL LOCATION St. Joseph Bay

LOCATION Cape San Blas ~~Isle~~ to St. Joseph Point

DATUM North American 1927 (Unadjusted)

Latitude 29°45'11.303" (348.0 m.)

STATION Eagle Point 2 - 1910-1938

Longitude 85°23'30.947" (831.5 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5507

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 in areas where the draftsman could not determine the exact nature of the detail from the photographs.

The names "Eagle Harbor" and "St. Joseph Bay" were taken from U.S.C. & G.S. Chart No. 184. All other names were submitted by the field inspection party.

The area covered by this sheet was traced from single lens photographs made by the Aero Service Corporation. Photos C-63 to C-66 were taken running approximately east to west along the southern end of the sheet; Photos C-67 to C-77 were taken running approximately south to north along western edge of sheet; photo C-67 being nearly superimposed on photo C-66.

The area covered by this sheet is sandy land with sand ridges running lengthwise on the entire peninsula. The vegetation consists mostly of pine and scrub oak. There is a palmetto grove just south of Eagle Harbor.

On the eastern shore at the northern end of the peninsula the sand dunes form bluffs ranging from four to fifteen feet high, and are approximately fifteen to twenty meters back from the high-water line. The entire length of the eastern shore is lined with sand shoals extending approximately 130 to 350 meters from the shore line.

At approximately Latitude $29^{\circ}51'38''$ - Longitude $85^{\circ}23'54''$ there are six small shacks that constitute "Anderson's Fishery". *fishery not shown on this survey.* These shacks cannot be seen on the photographs, but were noted by the field party. These shacks are not shown on the sheet.

The wreck shown just north of Latitude 29°51' and Longitude 85°24' is only approximately located, and cannot be seen in the photographs.

The high-water line was determined by the field party and marked accordingly on the field photographs.

There is an old foundation, with iron pipe in it, approximately 300 meters east of the central eastern shore of Pig Island. It is not shown on the sheet because it does not show up in the photographs. It was noted by the field inspection party, and its approximate position is Latitude 29°42'10" - Longitude 85°22'05".

The section of eastern shore line of the peninsula facing the western shore of Pig Island is definitely shown by the field party, and they have noted that that particular area is very cut up, consisting of marsh, tidal flats, and small mud islands. The same is true of the small bayou northwest of Richardson Hammock.

The northern shore of the peninsula from San Blas Light House eastward consists of tidal flats outside of the tree line. It is covered with a network of creeks and marsh. For a distance of a quarter of a mile there is not more than one foot of elevation difference between these flats and the high-water line. The shore line is only approximate as shown, and in places where the shore line was very indefinite it was shown by a broken line. Because of the approximation of the shore line along this area, ^{shoals} ~~shoals~~ have been shown in an attempt to clarify the interpretation of the photographs.

Heavy pine woods border this northern shore from the bend to the mainland and cover a strip approximately 200 meters wide.

The southern shore of this portion of the peninsula is a smooth sandy beach.

II. CONTROL:

(A) Sources.

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

(a) Triangulation by Lieut. Geo. L. Anderson, 1934-35.

(b) Station SAN PEDRO 2 - 1910 was recovered and used in the control of this compilation. To reduce its geographic position to the North American 1927 Datum a factor of -13 meters in latitude and + 8.7 meters in longitude was derived from comparison of the old position and the North American 1927 Datum position of Stations EAGLE PT. 2 - 1910-1935 and BLACKS ISLAND A.M. - 1910-1935.

The geographic positions of these stations were computed from the North American 1927 Adjusted Datum.

The control in this area was adequate.

(B) Errors.

There were no errors in control used on this sheet.

(C) Discrepancies.

No discrepancies in the position of control were found.

III. COMPILATION:

(A) Method.

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

(B) Adjustment of plot.

The photographs were free of excessive tilt and the scale was exceptionally uniform.

(C) Interpretation.

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

(D) Information from other sources.

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

(E) Conflicting names.

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

(F) New names.

The names "Lighthouse Bayou", "Richardson Hammock", "Pig Bayou", and "Pig Island" were obtained by the field inspection party from local inhabitants, and are in local usage.

IV. COMPARISON WITH OTHER SURVEYS:

The junction of this sheet on the East with sheet No. T-5506 is satisfactory.

In comparing this sheet with previous charts of this area it is seen that the detail checks closely with Chart 184.

V. LANDMARKS:

There are no landmarks of value to navigation in this area other than Cape San Blas Lighthouse.

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: *R. S. French*
R. S. French,
Draftsman. *Per. E. I. Fitch.*

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 interrupted points and 0.3 to 0.8 m.m. for other detail.

J. G. E.

Remarks

Decisions

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9	<i>For. Photo-Compilation only.</i>	
10	<i>T 1065 Shows Cape St. Blas.</i>	
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2/10/16
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43

GEOGRAPHIC NAMES
Survey No. T-5507

Name on Survey	A On Chart No.	B On previous survey No. T-1065	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	I Coast Pilot
<u>St. Joseph Point</u>	184							✓	1
<u>Eagle Harbor</u>	184	✓						✓	2
<u>St. Joseph Bay</u>	184								3
<u>Pig Bayou</u>				✓					4
<u>Pig Island</u>				✓					5
<u>Richardson Hammock</u>				✓					6
<u>Lighthouse Bayou</u>				✓					7
<u>Gulf of Mexico</u>	184								8
<u>Fla. State Highway No. 10</u>									9
<u>Cape San Blas</u>	184	cap San Blas				✓	✓	✓	10
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Names underlined in red approved
by C. E. G. on 2-3-36

REVIEW OF AIR PHOTO COMPILATION T-5507
Scale 1:20,000

There are no graphic control surveys in this area.

Comparison with Previous Topographic Surveys

Misc. 15 (1854), 1:10,000 Reconnaissance
T-1065 (1868), 1:20,000

In general the changes in this area since the 1868 survey have been limited to details. The greatest change has been at St. Joseph Point which has built northward some 500 meters. A lake at Cape San Blas has disappeared.

The area of this survey is covered with sand ridges running lengthwise on the entire peninsula. These ridges are not shown on this survey.

T-5507 is adequate to supersede Misc. 15 and T-1068 over the common area, (except for a more complete delineation of the sand ridges.)

There are no contemporary hydrographic surveys in this area.

Comparison with Charts 183 and 184

Corrections to the charts as a result of this survey are discussed under Comparison with Previous Topographic Surveys.

The only landmark or aid to navigation in this area is Cape San Blas Lighthouse.

May 28, 1936

Frank G. Enslin

REVIEW OF AIR PHOTO COMPILATION NO. T-5507

Chief of Party: M. H. Reese Compiled by: R. S. French
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)

No such surveys were necessary.

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.~~ *no contemporary plane table or hydrographic surveys.*

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 ^{sandy} ~~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 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 scale of the photographs and the small range of tide, 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)

No recoverable objects of importance in area covered by this sheet.

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)

No landmarks in area covered by this sheet, other than Cape San Blas L.H.

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)

No bridges in this area.

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)

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:

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

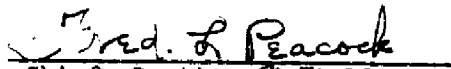
19. Remarks after review in office:

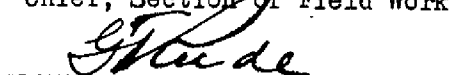
Reviewed in office by: 

Examined and approved:


Chief, Section of Field Records


Chief, Division of Charts


Chief, Section of Field Work


Chief, Division of Hydrography
and Topography.