

5473

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

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5473
~~Hydrographic~~

State Florida

LOCALITY
Pensacola Bay
~~Santa Rosa Island~~

~~Longitude 87°05' to 87°12' 50" /~~
Fair Point and vicinity
~~Little Sabine Bay and vicinity~~

1934

CHIEF OF PARTY

M. H. Reese.

U. S. GOVERNMENT PRINTING OFFICE: 1934

Applied to Chart 871 - July 12, 1946 - M.M.R. ^{Swab}
" " " 872 - Oct. 1946 - H.J.H. _{4/1/47}

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. 2

REGISTER NO. T-5473

T5473

State Florida

General locality Santa Rosa Island

Locality

Pensacola Bay
Fair Point and vicinity
Little Sabine Bay and vicinity
Longitude 87°05' to 87°12'30"

Scale 1:10,000 Date of 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 F. A. Donadieu.

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. 1:10 869

Scale factor 1.00.

- STATISTICS -

on

SHEET, FIELD NO. 2, REG. NO. T-5473

Single
Five lens PHOTOS, NO. C-37 TO NO. C-42
DATE OF PHOTOGRAPHS 7/11/34 TIME 9:00 A.M.
6/26/34 8:00 am.
BY DATE
FROM TO

ROUGH RADIAL PLOT E. P. Hernandez, Jr. 9/29/34
SCALE FACTOR (1.00) E. P. Hernandez, Jr. 9/29/34
SCALE FACTOR CHECKED M. H. Reese 9/29/34
PROJECTION E. P. Hernandez, Jr. 10/15/34
PROJECTION CHECKED H. C. Smith 10/15/34
CONTROL PLOTTED H. C. Smith 10/17/34
CONTROL CHECKED M. B. Gill, Jr. 10/17/34
TOPOGRAPHY TRANSFERRED
TOPOGRAPHY CHECKED
SMOOTH RADIAL LINE PLOT H. C. Smith 10/18/34
RADIAL LINE PLOT CHECKED E. P. Hernandez, Jr. 10/29/34
DETAIL INKED F. A. Donadieu 10/29-30/34
PRELIMINARY REVIEW OF SHEET E. P. Hernandez, Jr. 11/19/34

AREA OF DETAIL INKED 2.2 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) 18.0 Statute Miles
LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 1.2 Statute Miles

GENERAL LOCATION Santa Rosa Island
LOCATION Longitude 87°05' to 87°12'30"
DATUM North American 1927 (Unadjusted)
STATION Sharp Point 1910-1934

Latitude 30°21'38.986" (1200.5 m.)
Longitude 87°07'02.017" (338.9 m.)
Latitude
Longitude

Lat 30°21'38.986" (1200.5 m)
Long. 87°12'12.691" (338.9 m)
Station FAIR POINT 1910-34

87-07-02.283-61.0m

T 5473 as finally printed is
made up of ~~two~~ two original
compilations. one compilation
of single lens photos of
Santa Rosa Island and
one compilation of five lens
photographs on the peninsula
on north side of Santa
Rosa Island. See report T 5474
for discussion of the peninsula
and the five lens photos.

Jgg
10/31/36

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5473

FIELD NO. 2

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 Santa Rosa Island section of
The area covered by this sheet consists mostly of sand. High sand dunes are found along the northern part of the island in the northern part of the island in the eastern section of the sheet. In the western section the dunes are low and nearer the southern shore.

The only vegetation found in this area is brush and grass.

There is a small bay, a shallow lake and a few small ponds ~~in the center of this sheet~~ These are surrounded by marsh areas.
on Santa Rosa Island

Santa Rosa
The range of tide along the shores of the island is approximately 1.2 feet. The difference between the high water and low water line is small, and therefore the high water line, as determined by the field inspection party, was used for tracing the shoreline on this sheet.

Santa Rosa Island on
This sheet was compiled from the Aero Service Corporation, single lens type camera, Photographs Nos. C-37 to C-42, running approximately East and West along Latitude 30°20'. *The north section was compiled from five lens photos by the Aero*

II. CONTROL: *Service Corp.*

(A) Sources.

The following source of control was used in the compilation of this sheet:

(a) Triangulation by Lieut. M. H. Reese, 1934.

The geographic positions of the stations located by M. H. Reese were computed on the North American 1927 Datum.

See note on opposite page

The control in this area was adequate for radial plot.

See also page 5

(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 ~~single lens~~ radial line method of plotting was used in the compilation of this sheet.

(B) Adjustment of plot.

*off line only
to locate
the island
section* { The photographs of this area are free from excessive tilt and scale fluctuation. The island is narrow, and radial points are very near the line of flight; therefore, intersections are poor except near the principal points. The scale of photographs, for this area, was very close to scale and very little adjustment was necessary. } 2

(C) Interpretation:

The graphic symbols used in the drafting of this sheet are the symbols as approved by the Board of Surveys and Maps (1932) except that the symbol ({) 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 different charts of this area.

IV. COMPARISON WITH OTHER SURVEYS:

The junction of this sheet on the East and West with sheets Nos. 1 and 4, respectively, is satisfactory.

A close comparison of this sheet with previous charts of this area is impossible due to the large difference in scale. The general shape of the island has not changed from previous surveys.

The marshy area at Longitude $87^{\circ}08'$ on chart No. 490 has disappeared, the slough near Quarantine Station has disappeared, and a few small ponds near Little Sabine Bay have formed. The marsh area near Longitude $87^{\circ}11'$ on chart No. 490 has disappeared. The piers and buildings shown on chart No. 490, west of Longitude $87^{\circ}10'$, have disappeared.

V. LANDMARKS:

Landmarks of value to navigation are ~~given on form 567.~~

Submitted by Hydro 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.

F. A. Donadieu
Submitted by: F. A. Donadieu,
Draftsman.

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

MEMORANDUM TO ACCOMPANY SHEETS NOS. 2 AND 3.

New geographic names:

Pensacola Quarantine Station.

Pensacola Beach.

These two new names are well established and are in use locally and officially.

Pensacola Quarantine Station is the official name of the station used by the U. S. Public Health Service.


M. H. Reese.

There was no topographic or graphic control done within the limits covered by this compilation, except a few hydro stations located by sextant cuts, there being enough triangulation available so that very few of these stations were necessary, and practically all the hydrographic work was based on the triangulation stations.

A review was made of the smooth plotted hydrographic sheet, and no discrepancies were found to exist between the two surveys.

The triangulation on this sheet, when the original compilation was made, was based on the field computations of the first order party. When the first order work was adjusted, it was found that a large discrepancy existed between the field and the adjusted values, this discrepancy being -2.9 (average) meters in latitude and -7.3 (average) meters in longitude. The projection has been changed this amount on the celluloid, and all the stations have been checked to see that when this correction was applied they were correctly plotted.

The manner in which this factor was obtained is shown by the stations listed below:

STATION	N.A. 1927 FIELD POSITION	CORR'N	N.A. 1927 FINAL (UNADJUSTED)
	(785.8)		(788.6)
Entrance 3	30 19 34.482 1061.8	-2.8	1059.0
1934	(695.2)		(702.3)
	87 11 33.980 907.8	-7.4	900.4
	(662.6)		(665.5)
Chimney	30 19 38.481 1184.9	-2.8	1182.1
1934	(975.2)		(982.2)
	87 10 23.500 627.8	-7.3	620.5
	(1293.8)		(1296.7)
Tank,	30 20 17.984 553.8	-2.9	550.9
Quarantine	(747.9)		(755.1)
Station	87 09 32.001 854.8	-7.2	847.6
1919-1934			
	(1550.8)		(1553.8)
Dump	30 21 09.637 296.8	-3.0	293.8
1934	(971.0)		(978.3)
	87 09 23.641 631.4	-7.3	624.1
	(316.0)		(318.7)
West Upright	30 20 49.738 1531.6	-2.7	1528.9
Pensacola	(1343.5)		(1350.5)
Bridge	87 09 09.703 259.2	-7.3	251.9
1934			
	(168.9)		(171.8)
Tank,	30 19 54.516 1678.7	-2.9	1675.8
Pensacola	(861.8)		(868.8)
Beach 1934	87 08 27.744 741.2	-7.3	733.9
	(948.9)		(951.8)
Sharp Pt.	30 20 29.186 898.7	-2.9	895.8
1910-1934	(1541.7)		(1548.8)
	87 07 02.283 61.0	-7.1	53.9

--Average Correction (1:10,000) Lat. -2.9; Long. -7.3 --

M. H. Reese
M. H. Reese,
Chief of Party, C&GS

Date June 13, 1935

GEOGRAPHIC NAMES

Survey No. T- 5473Chart 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

Applied to 871 Apr. 6/20/46

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓✓	<u>Santa Rosa Sound</u>	Same			
✓✓	<u>Santa Rosa Island</u>	"			
✓✓	<u>Gulf of Mexico</u>	"			
✓✓	<u>Pensacola Quarantine Station</u> <i>(abandoned)</i>				
✓✓	<u>Sabine Inlet</u>	Same			
✓✓	<u>Sabine Sand Hills</u>	"			
✓✓	<u>Pensacola Beach</u>	"			
✓✓	<u>Fishing Bend</u>	"			
	St. James Point	"			
✓✓	<u>Sabine Point</u>	"			
✓✓	<u>Little Sabine Bay</u>	"			
	<u>U.S. NAVAL RESERVATION</u>				
NOTE: This sheet is to combined with sheet T-5474 into one compilation #T-5474.					
✓✓	<u>GRASSY POINT</u>				
✓✓	<u>OLD NAVY COVE</u>				
✓✓	<u>PENSACOLA BAY</u>				
✓✓	<u>TOWN POINT</u>				
✓✓	<u>FAIR POINT</u>				
✓✓	<u>DEER POINT</u>				
✓✓	<u>ENGLISH NAVY COVE</u>				

REVIEW OF AIR PHOTO COMPILATION T-5473

Comparison with Contemporary Graphic Control Surveys

T-6319a (1935), 1:20,000; T-6321b (1935), 1:10,000

That portion of graphic control survey T-6319a covered by this compilation shows only temporary topographic signals which are in agreement with the compilation. That portion of T-6321b covered by this compilation is in agreement with the compilation. All the detail shown on the above graphic control surveys has been shown on the compilation except the temporary topographic signals and magnetic meridians.

Comparison with Contemporary Hydrographic Surveys

H-5822 (1935), 1:20,000

H-5835 (1935), 1:10,000

H-5668 (1935), 1:10,000

The portions of these hydrographic surveys covered by the compilation have been compared with the compilation and are in agreement with the compilation.

Comparison with Former Surveys

T-701 (1859), 1:10,000; T-3792 (1920), 1:20,000

There are no outstanding differences from the former surveys except in roads, bridges and docks. The compilation is complete and adequate to supersede the portions of the above surveys which it covers.

Comparison with Present Chart - No. 490

The dock shown in ruins at lat. $30^{\circ} 19.8'$, long. $87^{\circ} 08.5'$ on the chart is in use and is so shown on the compilation.

The buildings shown on the chart at lat. $30^{\circ} 19.6'$, long. $87^{\circ} 10.5'$ and lat. $32^{\circ} 22.2'$, long. $87^{\circ} 11.3'$ can not be seen on the photos and have not been shown on the compilations except for one house at lat. $30^{\circ} 19.6'$, long. $87^{\circ} 10.5'$, which is shown as triangulation station Chimney Square Brick 1934 on the compilation.

Nov. 10, 1936.

L. C. Landy
W. J. Jones

REVIEW OF AIR PHOTO COMPILATION NO. T-5473

Chief of Party: M. H. Reese

Compiled by: F. A. Donadieu

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).

All information necessary is shown on this compilation.

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)

The above has been mentioned in the descriptive 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 d,e)

No recent surveys of this area, as mentioned above, are obtainable.

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)

~~No control other than mentioned in report has been used.~~

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.

No plane table or hydrographic surveys have been made, *at the time this sheet was forwarded to the office. 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)

The control and adjustment of plot are discussed in the report.

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

The high water line was drawn on field photographs by the field inspection party, and this was used for tracing.

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~~ ^{sand bars} ~~and~~ ~~xxxxx~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)
The low water line is not shown because of small difference between high and low water marks, except in the case of sand bars.
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 other than triangulation stations.
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)
Landmarks were reported on ~~xxxxxx~~ *Hydro 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)
All bridges are shown as mentioned above.
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 are shown on overlay tracing.
See memo for new named currents
13. The geographic datum of the compilation is N.A. 1927 Un- and the reference station is correctly noted. adjusted
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
All junctions are in agreement.
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

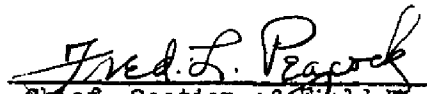
19. Remarks after review in office:


Reviewed in office by: *R. C. Landy & B. G. Jones*

Examined and approved:


Chief, Section of Field Records


Chief, Division of Charts


Chief, Section of Field Work


Chief, Division of Hydrograph
and Topography.