

9632

ORIGINAL

9632

Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. Ph-100	Office No. T-9632
LOCALITY	
State	FLORIDA
General locality	WEST COAST
Locality	MANATEE RIVER
<u>19 54</u> CHIEF OF PARTY Ira R. Rubottom, Tampa Photo. Office	
LIBRARY & ARCHIVES JUL 17 1958	
DATE	

DATA RECORD

T - 9632

Project No. (II): **Ph-100** Quadrangle Name (IV):

Field Office (II): **Palmetto, Florida** Chief of Party: **Ira R. Rubottom**

Photogrammetric Office (III): **Tampa, Florida** Officer-in-Charge: **Ira R. Rubottom**

Instructions dated (II) (III): **1 December 1952** Copy filed in Division of
Supplement #1 **5 May 1953** Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000** Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV): **SEP 21 1955** Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): **4/8/58**

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): **N. A. 1927** Vertical Datum (III): **M.H.W.**

~~Mean sea level~~ except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): **CORNER, 1954**

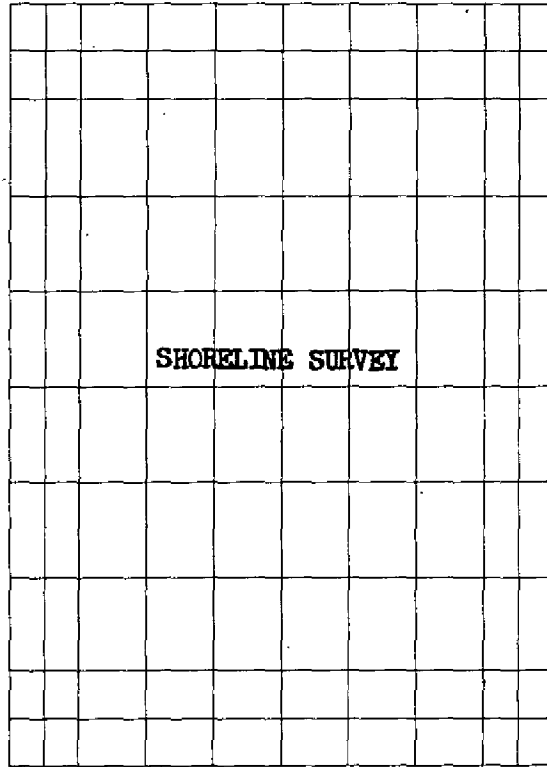
Lat.: Long.: ~~Adjusted~~
Unadjusted

Plane Coordinates (IV): State: **FLORIDA** Zone: **WEST**

Y= **1,156,027.41** X= **359,400.29**

Roman numerals indicate whether the item is to be entered by (I) Field Party, (II) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): **J. E. Johnson**
W. H. Shearouse Date: **April 1954**

Planetable contouring by (II): **Inapplicable** Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): **April 1954**
Air Photo Compilation

Projection and Grids ruled by (IV): **Joan Thuma (W.O.)** Date: **29 Jan. 1954**

Projection and Grids checked by (IV): **Jack Allen (W.O.)** Date: **1 Feb. 1954**

Control plotted by (III): **I. I. Saperstein** Date: **5 Mar. 1954**

Control checked by (III): **R. E. Smith** Date: **5 Mar. 1954**

Radial Plot of ~~Stereoscopic~~
~~Control extension~~ by (III): **M. M. Slavney** Date: **18 Mar. 1954**

Planimetry
Stereoscopic Instrument compilation (III): **Inapplicable** Date:
Contours Date:

Manuscript delineated by (III): **R. E. Smith** Date: **22 July 1954**

Photogrammetric Office Review by (III): **J. A. Giles** Date: **22 Oct. 1954**

Elevations on Manuscript
checked by (II) (III): **Inapplicable** Date:

Camera (kind or source) (III): USC&GS Nine-lens camera

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
42728	1 Dec. 1953	1058	1:10,000	0.9
42729	"	1058	"	"
42730	"	1059	"	"
42731	"	1100	"	"
42732	"	1104	"	"
42733	"	1104	"	"
42734	"	1105	"	"
42735	"	1106	"	"

Tide (III)

Predicted Tides
TAMPA BAY FLORIDA
BRADENTON, MANATEE RIVER

Reference Station:
 Subordinate Station:
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	1.5	2.0
0.9	1.4	1.9

Washington Office Review by (IV): *Levat. Stevens*

Date: 30 Dec 1953

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 9

Shoreline (More than 200 meters to opposite shore) (III): 15

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 5 Recovered: 4 Identified: 1

Number of BMs searched for (II): 0 *recovered* Recovered: Identified:

Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III): 110

Remarks: Number traverse stations established: 8

Summary to Accompany T-9632

Instructions were written for project Ph-100 1 December 1952. Its purpose was to furnish shoreline and hydrographic control for a hydrographic survey to be made by the SOSBEE. The combined surveys would furnish data for the revision of chart 568 and for the construction of a new 1:40,000 chart for Sarasota Bay.

Both field inspection and compilation of the manuscripts were assigned to the personnel of the Tampa Photogrammetric Office.

On 18 December 1952 instructions were issued for CS-353, West Coast of Florida, Tampa Bay to Caloosahatchee River, the ship SOSBEE to survey the shoreward portions of the area and to assist the Photogrammetric Office in field work as necessary to locate additional control.

A ~~cloth-backed lithographic~~ ^{CRONAR} print of each map, at manuscript scale, together with the descriptive report, will be registered and permanently filed in the Bureau Archives.

THE FIELD INSPECTION REPORT

IS BOUND WITH T-11080

COMPILATION REPORT T-9632

PHOTOGRAMMETRIC PLOT REPORT.

This report is bound with T-11081.

31. DELINEATION.

The graphic method of compilation was used.

The photographs were not too clear and at poor scale in some areas.

Shoreline inspection was complete and satisfactory.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

No interior drainage has been shown.

35. SHORELINE AND ALONGSHORE DETAILS.

It is believed that the shoreline inspection was adequate and the details alongshore have been delineated according to the field inspector's notes, as was the mean high-water line.

One area at approximate latitude $27^{\circ} 31.8''$, longitude $82^{\circ} 29.3''$ was under construction at time of field inspection. It has been delineated as of the date of photography and labeled "Area under construction".

No low-water line was shown.

36. OFFSHORE DETAILS.

No unusual problems were encountered in compiling details offshore from the high-water line.

37. LANDMARKS AND AIDS.

Form 567 for nonfloating aids ~~was~~^{was} submitted to the Washington Office on 27 July 1954. *C.L. No. 695(1954)*

Landmarks will be submitted by the hydrographic party.

38. CONTROL FOR FUTURE SURVEYS.

Four (4) recoverable topographic stations of use to the hydrographer are being submitted with this report and are listed under Item 49. All former scaled positions are to be superseded by those given herewith on Form 524.

One hundred and ten (110) temporary photo-hydro stations were located. They are not listed as they were furnished directly to the hydrographic party. *32110 is in area T-11082 and was changed to 82110*

39. JUNCTIONS.

Survey No. T-11080 on the west makes satisfactory junction.

There is no contemporary survey to the north, south or east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with Planimetric Map No. T-5846 and T-5845, scale 1:10,000, 1944 edition. They are in fair agreement. Comparison has been made with Topographic Quadrangle PARISH, FLORIDA, scale 1:25,000, dated 1944. They are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with USC&GS Nautical Chart No. 1256, scale 1:80,000, published in March 1943 (3rd edition), corrected to 13 July 1953.

The two are in fair agreement. It is noted however that the field inspector has no reference to the sunken wreck shown off the northeast tip of Branches Hammock.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith, Jr.
Rexford E. Smith, Jr.
Carto Photo Aid

APPROVED AND FORWARDED:

William A. Rasure
for Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.

No name changes were submitted by the field party. The names as they appear on the published charts and the planimetric maps will remain the same.

BRANCHES HAMMOCK

FLORIDA
FORT HAMER

GAMBLE CREEK

MANATEE RIVER
MARSH ISLAND
MILL CREEK

REDFISH POINT

Names approved
12-30-55. H. Heck

49. NOTES FOR THE HYDROGRAPHER.

One hundred and ten (110) temporary photo-hydro stations are not listed because they were furnished directly to the hydrographic party (Ship SOSBEE).

The following topographic stations will be of use to the hydrographer:

ADZ (1941) 1954

CAD (1941) 1954

FAD (1941) 1954

FAG (1941) 1954

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T. 9632

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.

Unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG 7. Photo hydro stations JG 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges JG 16. Aids to navigation JG 17. Landmarks XX 18. Other alongshore physical features JG 19. Other along-shore cultural features JG

PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover XX 22. Planetable contours XX 23. Stereoscopic Instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features JG

CULTURAL FEATURES

27. Roads JG 28. Buildings JG 29. Railroads XX 30. Other cultural features JG

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay XX 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG

40. Jesse A. Giles Reviewer William A. Rasure Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

TIDE COMPUTATION

PROJECT NO. Ph-100 T. 9632

Time and date of exposure 1104 1 Dec 1953 Reference station TAMPA BAY FLORIDA Mean range 1.4
 Date of field inspection April 1953 Subordinate station BRADENTON, MANATEE RIVER Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Time		Time h. m.
	h.	m.			h.	m.	
High tide	11	41	1.0	0.9	11	41	5 09
Low tide	5	09	0.1	0.1			-0 45
Duration of rise or fall	6	32		0.8		10 56	4 24

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	10	56			
Required time Interval	11	04	0.9	Feature bares Stage of tide above MLW	42733
		08	0.0	Feature above MLW	
Time H. T. or L. T.			0.9	Feature bares Stage of tide above MLW	
Required time Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares Stage of tide above MLW	
Required time Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares Stage of tide above MLW	
Required time Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares Stage of tide above MLW	
Required time Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares Stage of tide above MLW	
Required time Interval				Feature above MLW	

Computed by R.E. Smith Checked by W.A. Rouse
 M-2517-12

Review Report T-9632
Shoreline Map
29 December 1955

61. General:

This is a revision survey which includes a newly delineated total shoreline but only such interior features as will amend the 1941 surveys (T-5845, T-5846).

62. Comparison with Registered Surveys:

T-4211 1:20,000, 1925-26
T-5845 1:10,000, 1941 - Braden River and vicinity
T-5846 1:10,000, 1941 - Manatee River, Gamble Creek

The shoreline on T-9632 supersedes that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Parish, Florida, 1:25,000, 1947 (from C&GS T-8395)

T-9632 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys:

B.P. 52073 (Boat Sheet) H-? 1954. Manatee River, Braden River

The shoreline on the boat sheet is that of T-9632. No significant changes were made during review. The charted wreck NE of Branches Hammock does not appear on the boat sheet.

65. Comparison with Nautical Charts:

586 1:40,000 Jan. 1944, corr. Nov. 1954
1256 1:80,000 Revision Jan. 1955

The shoreline on T-9632 supersedes that of the chart in their common area. A cable from Branches Hammock to the opposite north shore, a pile on the east side of the cable and one east of Marsh Island are not charted. Foreshore features are subject to check by the hydrographic party.

66. Accuracy:

This map complies with project instructions and meets the National Standards of Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED:

L. C. Lande
Chief, Review Section
Photogrammetry Division

L. W. Swanson
Chief, Photogrammetry Division
7 July 1958

W. H. Skelton
Chief, Nautical Chart Branch
Charts Division

J. B. Smith
Chief, Coastal Surveys Division

