

11082

Diag. Cht. No. 1256.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-100(52) Office No. T-11082

LOCALITY

State Florida

General locality Florida West Coast

Locality Wares Creek to Braden River

19~~5~~52-54

CHIEF OF PARTY

I.R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE September 15, 1958

B-1870-1 (1)

11082

DATA RECORD

T -11082

Project No. (II): **Ph-100(52)** Quadrangle Name (IV):

Field Office (II): **Palmetto, Fla.**

Chief of Party: **Ira R. Rubottom**

Photogrammetric Office (III): **Tampa, Fla.**

Officer-in-Charge: **Ira R. Rubottom**

Instructions dated (II) (III): **1 Dec. 1952**
Supplement No.1, 5 May 1953

Copy filed in Division of
 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):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

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): **MANAT 1934, 1954**

Lat.: **27°27'55".591(1711.1m.)** Long.: **82°31'49".831(1368.2m.)**

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) 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:	March 1954
Planetable contouring by (II):	Inapplicable	Date:	
Completion Surveys by (II):	Shoreline survey	Date:	
Mean High Water Location (III) (State date and method of location):	Air Photo Compilation March 1954		
Projection and Grids ruled by (IV):	Jack Allen (W.O.)	Date:	10 Dec. 1952
Projection and Grids checked by (IV):	H. D. Wolfe (W.O.)	Date:	11 Dec. 1952
Control plotted by (III):	R. J. Pate	Date:	2 Mar. 1954
Control checked by (III):	M. M. Slavney	Date:	3 Mar. 1954
Radial Plot or Stereoscopic Control extension by (III):	M. M. Slavney	Date:	12 Mar. 1954
	Planimetry	Date:	
Stereoscopic Instrument compilation (III):	Inapplicable	Date:	
	Contours	Date:	
Manuscript delineated by (III):	R. R. Wagner	Date:	4 Oct. 1954
Photogrammetric Office Review by (III):	W. H. Shearouse	Date:	25 Oct. 1954
Elevations on Manuscript checked by (II) (III):	Inapplicable	Date:	

Camera (kind or source) (III):

USC&GS Nine-lens Camera

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
34890 & 34891	11 Feb. 1952	1459		1:10,000	Inapplicable for this manuscript
42724 to 42729, incl.	1 Dec. 1953	1057		"	0.9
42736 to 42738, incl.	1 Dec. 1953	1107		"	"

Tide (III)

Predicted tides

Reference Station: Tampa, Fla.
 Subordinate Station: Bradenton, Manatee River
 Subordinate Station:

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

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

7

Shoreline (More than 200 meters to opposite shore) (III): 13*

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

Control Leveling - Miles (II): Shoreline manuscript

Number of Triangulation Stations searched for (II): 12 Recovered: 7 Identified: 5

Number of BMs searched for (II): 1 Tidal Recovered: 1 Identified: 1

Number of Recoverable Photo Stations established (III): 4

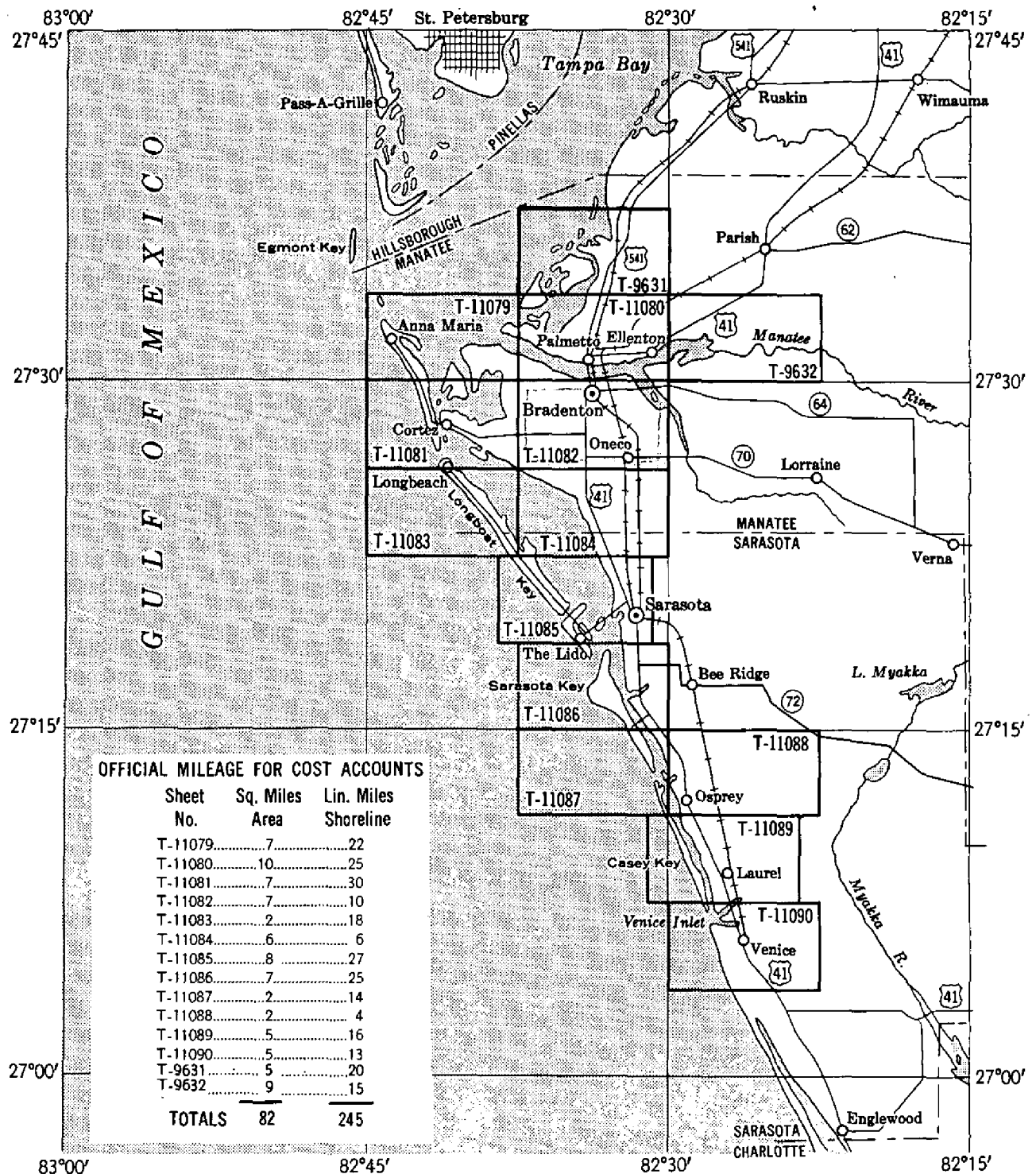
Number of Temporary Photo Hydro Stations established (III): 67

Remarks:

*This includes the shoreline in Braden River that falls outside of neat line.

SHORELINE MAPPING PROJECT PH-100

FLORIDA—GULF COAST, Manatee River to Venice Inlet



Compiled at scale of 1:10,000 from nine-lens photographs taken February 1952
(Refer to Air-Photo Index 129-A)

Summary to Accompany T-11082

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 586 and for 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 Caloosahatchie 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.

~~CRONAR~~
A ~~cloth backed lithographic~~ 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-11082

PHOTOGRAMMETRIC PLOT REPORT.

This report is bound with T-11081.

31. DELINEATION.

The graphic method was used.

The scale of the photographs was poor.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

Drainage has been shown according to field inspector's notes or photo interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline and alongshore details have been delineated according to the field inspector's notes and stereoscopic study. The inspection was adequate.

The low-water line was delineated from data furnished by the field inspector.

36. OFFSHORE DETAILS.

No unusual problems were encountered.

37. LANDMARKS AND AIDS.

Landmarks are to be submitted by the hydrographic party.

No aids fall within the limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS.

(Sketch books, fm 274)
Sixty-seven (67) temporary photo-hydro stations have been furnished the hydrographic party and therefore only the topographic stations are listed under Item 49.

39. JUNCTIONS.

Survey No. T-11080 to the north, Survey No. T-11081 to the west, Survey No. T-11084 to the south are in agreement. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with USC&GS Planimetric Map T-5845, BRADEN RIVER, scale 1:10,000, dated November 1941. The piling from the abandoned railroad over Braden River have been removed. Comparison was also made with USC&GS Planimetric Map T-5844, TERRA CEIA BAY - MANATEE RIVER, scale 1:10,000, dated November 1941. The two are in fair agreement. Comparison was made with A.M.S. Quadrangle BRADENTON, FLORIDA, scale 1:24,000, dated 1944. The only difference noted is the same as stated above.

*FI Report p. 9
Sound with
T-11080
An "obstr" mapped
on H-4100*

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS Chart 586, scale 1:40,000, dated January 1944, corrected to 13 February 1952. The two are in fair agreement. The maps listed in Item 46 are the source of the topography on the nautical

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charts and the differences are the same as listed in
Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.


Robert R. Wagner
Carto Photo Aid

APPROVED AND FORWARDED:

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

48. GEOGRAPHIC NAME LIST.

All names are base map names with the exception of GULF AIR MOTIVE. This name was submitted by the field inspector.

BRADEN RIVER

BRADENTON

BRADENTON AIRPARK

GULF AIR MOTIVE

MANATEE RIVER

U S 301

WARREN CREEK

49. NOTES FOR THE HYDROGRAPHER.

All information that is of value has been furnished the hydrographic party.

The topographic stations that fall within the limits of this manuscript are as follows:

MAST 1954

TIDAL BENCH MARK 1, 1926 (1941) 1954

REM (1941) 1954

MIL (1941) 1954

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11082

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

4a. Classification label 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) WBS 7. Photo hydro stations WBS 8. Bench marks WBS 9. Plotting of sextant fixes XXX 10. Photogrammetric plot report WAR 11. Detail points WBS

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features WBS 21. Natural ground cover WBS 22. Planetable contours XXX 23. Stereoscopic instrument contours XXX 24. Contours in general XXX 25. Spot elevations WBS 26. Other physical features WBS

CULTURAL FEATURES

27. Roads WBS 28. Buildings WBS 29. Railroads XXX 30. Other cultural features WBS

BOUNDARIES

31. Boundary lines XXX 32. Public land lines XXX

MISCELLANEOUS

33. Geographic names WBS 34. Junctions WBS 35. Legibility of the manuscript WBS 36. Discrepancy overlay XXX 37. Descriptive Report WBS 38. Field inspection photographs WBS 39. Forms WBS
 40. William H. Shearouse William A. Rasure
 Reviewer 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:

M-2623-12

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11082

Time and date of exposure 102 100 1953

Reference station

Tampa Fla.

Mean range

1.4

Date of field inspection

Subordinate station

Brepton, Myrtle Beach

Ratio of ranges

0.9

	Time	
	h.	m.
High tide	10	56
Low tide	15	03
Duration of rise or fall	4	07

	Height		Height x Ratio of ranges
	feet		
High tide	1.0	✓	0.9 ✓
Low tide	0.8	✓	0.7 ✓
Range of tide			0.2 ✓

	Time	
	h.	m.
High tide at Ref. Sta.	11	41
Time difference	-0	45
Corrected time at Subordinate station	10	56

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48
Time difference	-0	45
Corrected time at Subordinate station	15	03

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T. Required time Interval	10	56	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.9	Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.0	Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.9	Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

Computed by W. H. HillChecked by 115

Review Report T-11082
Shoreline Map
7 November 1966

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-5844, T-5845, T-5847).

62. Comparison with Registered Maps:

T-4211	1:20,000	1926
T-5844	1:10,000	1941
T-5845	1:10,000	1941
T-5847	1:10,000	1941

The shoreline on T-11082 supersedes and the interior detail supplements that on the older surveys for charting.

63. Comparison with Maps of Other Agencies

USE Bradenton, Fla. 1:25,000 Ed 1949

T-11082 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys

H-8099	1:10,000	1954
H-8100	1:10,000	1954

No changes were made to the shoreline during review. The storm-warning flagpole on the inland end of Bradenton Municipal Pier (H-8099) was added to the manuscript.

The "snag" offshore from REM is not delineated on H-8100.

The boat basin at $27^{\circ} 30' / 82^{\circ} 32\frac{1}{4}'$ on H-8100 is delineated incorrectly. It should conform to T-11082.

65. Comparison with Nautical Charts

586 1:40,000 Jan. 1944 corr. Nov. 1954

Survey T-11082 and the hydrographic surveys H-8099 and H-8100 supersede the chart for shoreline and offshore features and supplement the interior features.

66. Accuracy

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

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

L. C. Landy
Chief, Review & Drafting Sec.
Photogrammetry Division

Wallace A. Bruders
for Chief, Nautical Chart Branch
Charts Division

L. W. Swanson
Chief, Photogrammetry Division
15 Aug 1958

J. B. Howell
Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO.

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.