11079

Diag. Cht. No. 1256 & 1257-3.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-100 *Office No.* T-11079

LOCALITY

State Florida

General locality Tampa Bay

Locality Passage Key to Manatee River

19 53-58

CHIEF OF PARTY

I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE May 1963

USCOMM-DC 5087

11079

DATA RECORD

T - 11079

Project No. (II): Ph-100(52) 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
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): 8/22/60

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): PALM 3, 1924

Lat.: 27° 32' 12".599 (387.8m) Long.: 82° 44' 21".294 (584.3m) Adjusted ~~Unadjusted~~

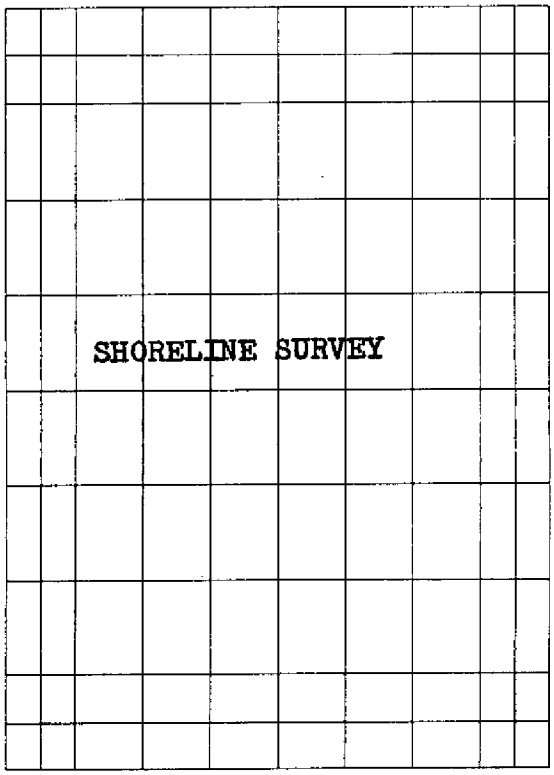
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): J. E. Johnson
W. H. Shearouse
Aids to Navigation located in 1958
Date: Feb. 1954 & 1958

Planetable contouring by (II): Inapplicable
Date:

Completion Surveys by (II):
Date:

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

Projection and Grids ruled by (IV): Jack Allen (W. O.)
Date: 12 Dec. 1952

Projection and Grids checked by (IV): H. D. Wolfe (W.O.
Date: 12 Dec. 1952

Control plotted by (III): I. I. Saperstein
W. W. Dawsey
Date: 19 Mar. 1953

Control checked by (III): R. J. Pate
I. I. Saperstein
Date: 19 Mar. 1953

Radial Plot or ~~Stereoscopic~~ ~~Control~~ extension by (III): M. M. Slavney
Date: 11 Mar. 1954

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

Manuscript delineated by (III): W. W. Dawsey
Date: 12 Oct. 1954
See page 6

Photogrammetric Office Review by (III): J. A. Giles
Date: 15 Oct. 1954

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

M-2618-12(4)

Camera (kind or source) (III): U.S.Coast & Geodetic Survey 9-lens Camera 8.25" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
34895	11 Feb.1952	1502	1:10,000	0.4
34896	"	1503	"	0.4
34897	"	1504	"	0.4
42740	1 Dec. 1953	1107	"	0.8
42741	"	1108	"	0.8
42757	"	1125	"	0.8
42758	"	1126	"	0.8
42782	"	1208	"	0.8
42783	"	1209	"	0.8
42784	"	1210	"	0.8
Nine lens	16 April 1957		1:10,000	

Tide (III)
(Predicted)

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Tampa Bay, Fla.	-	1.5	2.0
Subordinate Station:	Anna Maria	0.9	1.4	1.9
Subordinate Station:	Anna Maria	0.9	1.4	1.9

Washington Office Review by (IV): Lina T. Stevens Date: 29 Feb. 1956

Final Drafting by (IV): VanMeter Date: 4-8-60

Drafting verified for reproduction by (IV): WO Hallisin Date: 6-6-60

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 7

Shoreline (More than 200 meters to opposite shore) (III): 22

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

~~Control Leveling - Miles (II):~~

Number of Triangulation Stations searched for (II): 7* Recovered: 6 Identified: 4

Number of BMs searched for (II): 4 Recovered: 4 Identified: 4

Number of Recoverable Photo Stations established (III): 11

Number of Temporary Photo Hydro Stations established (III): 50

Remarks:
*Including one (1) station established.

Summary to Accompany T-11079

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 C.S.-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 print~~ brown film positive of each map, at manuscript scale, together with the descriptive report, will be registered and permanently filed in the Bureau Archives.

T-11079

SUPPLEMENTAL COMPILATION REPORT

All of the changes north of (approximate) latitude 27°31'15" have been shown in red ink. Such changes came from nine-lens photographs flown 16 April 1957.

New positions are shown for two (2) daybeacons, numbers one (1) and three (3), shown in the 1957 Light List under TERRA CEIA BAY and two (2) lights, numbers one (1) and six (6), listed under MANATEE RIVER. These lights are reported on form 567 and will be forwarded under separate cover.

Most of the changes are cultural, consisting of new roads and canals; however, the mean high-water line at the northwest end of ANNA MARIA KEY has extended to approximately twenty-seven (27) millimeters from the position mapped on T-5843 of Dec. 1939 and supplemented by other surveys to Oct. 1941. The mean high-water of PASSAGE KEY will have to be located by the hydrographic party because of inadequate photographic coverage.

TAMPA DISTRICT OFFICE

THE FIELD INSPECTION REPORT COVERING THE WESTERN PORTION IS BOUND WITH T-11081 AND THE EASTERN PORTION IS BOUND WITH T-11080.

49. NOTES FOR THE HYDROGRAPHER (Supplemental)

3101 - Stake driven at point of seagrape at MHWL.

3102 - Overhanging limb of mangrove.

3103 - Tip of overhanging mangrove.

3104 - Northerly of two mangrove trees.

3105 - Southerly of group of mangrove trees.

The shoreline of PASSAGE KEY will have to be located by the hydrographer due to inadequate photographic coverage.

Tampa Photogrammetric Office
P O Box 1689 Tampa Florida

19 August 1953

To: Chief, Photogrammetry Division
U. S. Coast & Geodetic Survey
Washington 25, D. C.

Subject: Fixed Aids to Navigation - - Project Ph-100
Sarasota Bay and Sarasota Pass

Your attention is invited to the tabulation below. The published values are from the "COMPLETE LIST OF LIGHTS AND OTHER MARINE AIDS", Volumes I - VI as corrected to 1 January 1953. Forms 567 for these aids were forwarded on 10 August 1953.

Range Name	Survey No,	Distance and Direction From Front Light To Rear Light			
		From 1953 Light List		Value from Survey	
		Distance Yards	Direction °	Distance Yards	Direction °
North Range	T-11079	300	145	345	146
South Range	T-11079	400	029	400	028
South Turn Range	T-11083	1,400	130	1,700	130
Barge Channel	T-11085	700	251	690	252
		Distance and Direction From Front Daybeacon To Rear Daybeacon			
South Entrance Range	T-11083	350	265	855	265

J. E. Waugh
CDR, USC&GS
Officer in Charge

cc: CO SOSBEE

COPY

/0

COMPILATION REPORT T-11079

PHOTOGRAMMETRIC PLOT REPORT.

This report is bound with T-11081.

31. DELINEATION.

The graphic method was used. The photographs were clear and the scale was fair. No unusual difficulties were encountered. The shoreline inspection was good.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Contours - inapplicable.

The drainage was shown as indicated by the field inspection notes, and as interpreted from the photographs.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection appeared very complete.

All the shoreline and alongshore detail that was not readily discernible from the photographs was indicated so that no difficulties were encountered in the delineation thereof. All shoreline changes, due to new photography, which have been done since the boat sheet was made have been shown on the map manuscript in red ink.

36. OFFSHORE DETAILS.

No difficulties were encountered in the delineation of offshore details.

37. LANDMARKS AND AIDS.

Form 567 for nonfloating aids was forwarded to the Washington Office on 10 August 1953. Ch. L. No. 743 (1953)

Azimuths of ranges are to be determined by the hydrographic party.

Landmarks will be submitted by the hydrographic party.

38. CONTROL FOR FUTURE SURVEYS:

Eleven (11) recoverable topographic stations are listed under Item 49. No temporary photo-hydro stations are listed as they were furnished direct to the hydrographic party. (in sketch books, - fm. 274)

39. JUNCTIONS.

T-11081 - to the south - good agreement.
T-11080 - to the east - good agreement.
to the north - no contempoary survey.
to the west - Gulf of Mexico

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with (USE) Topographic Quadrangle, BRADENTON BEACH, FLORIDA, scale 1:31,680, edition of 1944; and USC&GS Planimetric Map T-5843(1941), scale 1:10,000. Only minor changes due to passage of time were noted.

With reference to the stations listed in the Preliminary Report (copy attached), the following were identified on the new photography and found to be in good agreement with planetable surveys SO-A-53 and SO-B-53 with one exception - MANATEE RIVER DAYBEACON 5 (Low) had been moved since the date of the foregoing survey:

ALP	aid	PET	aid
DOC	aid	PIE	aid
EGG		RIP	
END		RUE	
FEZ	aid	TAN	aid
HOE	aid	ART	
LOW	aid	BUM	
MAW		COW	
MAX	aid	HAG	
		NIP	

The following is a list that could not be identified on the photographs:

JOE
DOG
ROT
NUB
HOW

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Chart No. 1256, scale 1:80,000 (3rd edition) corrected to 3 October 1952. The maps listed under Item 46 are the source of most of the features on this chart and the same differences exist between the chart and manuscript.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD:

None.

Webber W. Dawsey
Webber W. Dawsey
Carto Photo. Aid

APPROVED AND FORWARDED:

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

48. GEOGRAPHIC NAME LIST.

ANNA MARIA
ANNA MARIA KEY

BEAN POINT
BISHOP POINT

EMERSON BAYOU
EMERSON POINT

FLORIDA

GULF OF MEXICO

JONES BAYOU

MANATEE RIVER
MC GILL ISLAND
MEAD POINT

PASSAGE KEY
PASSAGE KEY INLET
PALMA SOLA BAY
PERICO BAYOU
PERICO ISLAND

ROCK POINT

SARASOTA PASS
SCHOOL KEY
SEVEN PINES
SHAW POINT
SNEAD ISLAND
~~SNEAD POINT~~

TAMPA BAY
~~TERRA~~ CEIA BAY
TERRA CEIA POINT
THE BULKHEAD

WARNER BAYOU

Municipal Pier

Palma Sola

School Key Bar

Names approved
2-29-56
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

Following is a list of topographic stations that may be useful to the hydrographer:

TED (1941) 1954
WAG (1941) 1953
KIT (1941) 1953
TIDAL BM 5 (ANNA MARIA) 1933 (1941) 1953
TIDAL BM 4 (ANNA MARIA) 1933 (1941) 1953
TIDAL BM 3 (ANNA MARIA) 1933 (1941) 1953
TIDAL BM 2 (ANNA MARIA) 1933 (1941) 1953
PALM 3 AZIMUTH 1934 (1941) 1953
HAT (1941) 1953
RIA (1941) 1953
TEX (1941) 1953

on field photograph 34897: "
Note to hydrographer: Locate 4 piles in this area". (Approx.
27° 31.4' / 82° 44.3') H-8042 (BP53196)

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11079

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

4a. Classification (Local) Unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

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:

M-2623-12

TIDE COMPUTATION

PROJECT NO. Ph- T- T-11079

Time and date of exposure 1 DEC 1953 11:16 Reference station TAMPA BAY Mean range 1.4

Date of field inspection Subordinate station ANNA MARIA Ratio of ranges 0.9

	Time h. m.
High tide	09:21
Low tide	13:28
Duration of rise or fall	04:07

	Height feet	Height x Ratio of ranges
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	-2 20
Corrected time at Subordinate station	09:21

	Time h. m.
Low tide at Ref. Sta.	15 48
Time difference	-2 20
Corrected time at Subordinate station	13:28

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~ Required time Interval	09:21 11:16 1:55	Ht. H. T. ~~or L. T.~~ Tabular correction Stage of tide above MLW	0.9 0.1 0.8	Feature bares Stage of tide above MLW Feature above MLW		42746 42740 42741 42758
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		42757
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		

M-2617-12

Computed by WWD Checked by

TIDE COMPUTATION

PROJECT NO. Ph- 100 T- 11079

Time and date of exposure 1503 11 FEB 1952 Reference station TAMPA BAY Mean range 1.4

Date of field inspection ________ Subordinate station ANNA MARIA Ratio of ranges 0.9

	Time h. m.
High tide	13 07 ✓
Low tide	17 59 ✓
Duration of rise or fall	4 52

	Height feet	Height x Ratio of ranges
High tide	0.7 ✓	0.6 ✓
Low tide	0.0 ✓	0.0 ✓
Range of tide		0.6 ✓

	Time h. m.
High tide at Ref. Sta.	15 27 ✓
Time difference	-2 20 ✓
Corrected time at Subordinate station	13 07 ✓

	Time h. m.
Low tide at Ref. Sta.	20 19 ✓
Time difference	-2 20 ✓
Corrected time at Subordinate station	17 59 ✓

	h. m.		feet		feet	Photo. No.
Time H. T. or ~~L. T.~~ Required time Interval	13 07 15 03 1 56	Ht. H. T. or ~~L. T.~~ Tabular correction Stage of tide above MLW	0.6 ✓ 0.2 ✓ 0.4 ✓	Feature bares Stage of tide above MLW Feature above MLW		34896
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		
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		

M-2617-12

Computed by WWD Checked by RCW

Review Report T-11079
Shoreline Map
29 February 1956 +1958

61. General:

This is a revision survey which included a newly delineated total shoreline, but only such interior features as will amend the 1941 surveys (T-5843, T-5844).

62. Comparison with Registered Surveys:

T-1346	1:20,000	1873
T-4210	"	1926
T-4211	"	"
T-5843	1:10,000	1941
T-5844	"	"

The shoreline on T-11079 supersedes and the interior detail supplements that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Anna Maria, Fla. 1:25,000 1944

T-11079 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys:

B.P. 52012 1:10,000 1953 Terra Ceia Bay - Manatee River

B.P. 53196 1:20,000 1953 Gulf Coast Anna Maria Key

The original shoreline of T-11079 was used on the boat sheets. Some changes, in red, were made later in Tampa from 1954 photographs. No changes to shoreline were made during review. Additions and corrections applied from 1958 Field Inspection were reviewed in 1958

65. Comparison with Nautical Charts:

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

The shoreline on T-11079 supersedes that on the chart. Foreshore features are subject to check by the hydrographic survey.

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 Section
Photogrammetry Division

Lorne G. Taylor
Chief, Nautical Chart ~~Branch~~ Division
~~Charts Division~~

E W Waugh 10/24/62
Chief, Photogrammetry Division

Horace S Conerly
Chief, ~~Coastal Surveys~~ Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11079

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
586	6/2/65	John P. Wai	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 28
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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