

11085

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 Office No. T-11085

LOCALITY

State Florida

General locality Sarasota

Locality Bird Key to Cranes Bayou

1945-53

CHIEF OF PARTY

I.R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE December 17, 1959

11085

DATA RECORD

T-11085

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

Field Office (II): **Sarasota, 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
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): **8 April 1958**

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): **TERRACE, 1934**

Lat.: **27° 20' 05".897 (181.5m.)** Long.: **82° 31' 51".112 (1405.1m.)**

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.

SHORELINE SURVEY

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

DATA RECORD

Field Inspection by (II): **W. H. Shearouse**Date: **May 1953**Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **May, 1953, except for the outer coast shoreline which is located from photographs flown December 1953.**

According to field inspection notes and distances and office interpretation

Projection and Grids ruled by (IV): **Jack Allen (W. O.)**Date: **15 Dec. 1952**Projection and Grids checked by (IV): **H. D. Wolfe (W.O.)**Date: **15 Dec. 1952**Control plotted by (III): **R. J. Pate**Date: **27 April 1953**Control checked by (III): **I. I. Saperstein**Date: **27 April 1953**Radial Plot ~~or Stereoscopic~~ **M. M. Slavney**Date: **8 July 1953**~~Control extension~~ by (III):

Stereoscopic instrument compilation (III): **Inapplicable**

Planimetry
Contours

Date:

Date:

Manuscript delineated by (III): **R. A. Reece**Date: **15 July 1953**
13 April 1954Photogrammetric Office Review by (III): **J. A. Giles**Date: **30 April 1954**

Elevations on Manuscript
checked by (IV) (III): **Inapplicable**

Date:

Camera (kind or source) (III): **USC&GS Nine-lens 8 $\frac{1}{4}$ " focal length**
Fairchild Cartograph Camera "0" 6" Metrogon lens

PHOTOGRAPHS (III)

	Number	Date	Time	Scale	Stage of Tide
9-lens	34881	11 Feb. 1952	1426	1:10,000	0.5
	34882	"	1427	"	0.5
	42790 to				
	42793 incl.	1 Dec. 1953	1213-15	"	1.0 0.7
S-lens	52-0-338	11 Feb. 1952	1513	"	0.5
	52-0-339	"	1513	"	0.5
	52-0-340	"	1514	"	0.5
	52-0-341	"	1514	"	0.5
	52-0-342	"	1514	"	0.5
	52-0-343	"	1514	"	0.5

Tide (III)

From predicted and observed tides

Reference Station: **TAMPA BAY, FLORIDA**
 Subordinate Station: **SARASOTA POINT, FLORIDA**
 Subordinate Station: **SARASOTA, FLORIDA**

Ratio of Ranges	Mean Range	Spring Range
0.9	1.3	1.7
0.8	1.3	

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): **8**

Shoreline (More than 200 meters to opposite shore) (III): **99 27**

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

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

Number of Triangulation Stations searched for (II): **14** Recovered: **11**

Identified: **9**

~~Number of BMs searched for (II):~~

~~Recovered:~~

~~Identified:~~

Number of Recoverable Photo Stations established (III): **13**

Number of Temporary Photo Hydro Stations established (III): **84**

Remarks:

Summary to Accompany
T-11085

Instructions were written for Project Ph-100 December 1, 1952. The purpose was to furnish shoreline and hydrographic control for a basic hydrographic survey to be made by the Ship SOSBEE. The combined surveys would furnish data for the revision of chart 586 and for 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 December 18, 1952 instructions were issued for CS-353, West Coast of Florida, Tampa Bay to Caloosahatchie River, the Ship SOSBEE to survey the shoreward portion of the area and to assist the Photogrammetric Office in field work as necessary to locate additional control.

a positive CRONAC
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.

FOR FIELD INSPECTION REPORT

REFER TO

DESCRIPTIVE REPORT T-11081

COMPILATION REPORT T-11085

PHOTOGRAMMETRIC PLOT REPORT.

This report to be submitted with T-11081

31. DELINEATION.

The graphic method of compilation was used.

Photographs were clear and of good scale. An additional flight of photographs would have helped considerably in locating detail points, temporary photo-hydro stations, etc. Many of these fell along the flight line on both nine-lens and single-lens photographs and were located from flat cuts.

Shoreline inspection was complete and satisfactory.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

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

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 were the mean high-water and mean low-water lines. Shoal and shallow areas are outlined according to office interpretation of the photographs.

Extensive changes along the shoreline, due principally to dredging operations, made it necessary for the compilation office to request new photography in order to bring the survey up-to-date. The

photographs were flown 1 December 1953.

All changes in shoreline and those of major importance inshore have been shown according to office interpretation. The shoreline changes have been delineated with red, acetate ink.

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 were submitted to the Washington Office on 10 August 1953.

Landmarks will be submitted by the hydrographic party.

*See letter 14 Aug. 1953 re Barge Channel Range Lights
filed with descriptive report T-11079*

38. CONTROL FOR FUTURE SURVEYS.

Thirteen (13) 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.

Eighty-four (84) temporary photo-hydro stations were located. They are not listed under Item 49 as they were furnished directly to the hydrographic party.

39. JUNCTIONS.

Survey No. T-11083 and T-11084 on the north, and T-11086 on the south make satisfactory junction.

There is no contemporary survey to the east or west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with C of E SARASOTA (Topographic) Quadrangle, scale 1:25,000, edition of 1949. Important changes, except buildings, that have taken place in the interim are shown on the manuscript.

Comparison was also made with Planimetric Maps No. T-5848 and T-5850, scale 1:10,000, 1943 editions. Changes noted on the topographic quadrangle above were also noted for the most part on these maps.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 1256, scale 1:80,000, published in March 1943 (3rd edition), corrected to 3 October 1952.

Maps listed in Item 46 are the source of most of the topography 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.



Richard A. Reece
Carto Photo Aid

APPROVED AND FORWARDED:

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
topographic quadrangle for this area will remain the same.

BIRD KEY

CEDAR POINT

CEROL ISLES

COON KEY

CRANES BAYOU

CRANES BAYOU ROCKS

FLORIDA

GULF OF MEXICO

LONGBOAT KEY

NEW PASS

OTTER KEY

QUICK POINT

RINGLING CAUSEWAY

U. S. 301

SARASOTA

SARASOTA BAY

ST. ARMAND KEY

WHITAKER BAYOU

49. NOTES FOR THE HYDROGRAPHER.

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

EDD 25	(1943)	1953
EDD 26	"	"
EDD 27	"	"
EDD 28	"	"
EDD 29	"	"
W 92	"	"
X 92	"	"
Z 92	"	"
TANK		1953

Eighty-four (84) temporary photo-hydro stations are not listed because they were furnished directly to the hydrographic party (Ship SOSSEE).

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11085

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

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 J.G. 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 J.G. 16. Aids to navigation J.G. 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

PHYSICAL FEATURES

20. Water features J.G. 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 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 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:

TIDE COMPUTATION

PROJECT NO. Ph-100 T. 11085

Time and date of exposure

12:00

Reference station

TAMPA BAY, FLORIDA

Mean range

1.2

Date of field inspection

18 May '53

Subordinate station

SARASOTA, FLORIDA

Ratio of ranges

0.8

	Time	
	h.	m.
High tide	16	25
Low tide	00	08
Duration of rise or fall	16	17

	Height feet	Height x Ratio of ranges
High tide	1.9	1.5
Low tide	-0.6	-0.5
Range of tide		2.0

	Time	
	h.	m.
High tide at Ref. Sta.	16	25
Time difference	-01	06
Corrected time at Subordinate station	15	19

	Time	
	h.	m.
Low tide at Ref. Sta.	00	08
Time difference	-01	06
Corrected time at Subordinate station	23	02

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	15	19	1.5	9.8	RINGLING BRIDGE
Required time	12	00	0.2	1.3	
Interval	3	19	1.3	11.1	
Time H. T. or L. T.				9.8	
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					

M-2617-12

Computed by R.A. Rice Checked by W.A. Rouse

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

Time and date of exposure 11 Feb 52 Reference station TAMPA BAY, FLORIDA Mean range 1.3Date of field inspection Subordinate station SARASOTA POINT, FLA Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	High tide Low tide Range of tide	Time		High tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time		Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time	
	h.	m.				h.	m.		h.	m.		h.	m.
High tide	15	27	0.75	0.6	13 12	15	27	0.6	15	27	20	19	
Low tide	20	19	0.0	0.0	14 27	20	19		2	15	22	15	
Duration of rise or fall	4	52		0.6	1 15				13	12		18	04

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T. Required time Interval	13 12		0.6	Feature bars Stage of tide above MLW Feature above MLW	39882
Time H. T. or L. T. Required time Interval	14 27		0.1	Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval	1 15		0.5	Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bars Stage of tide above MLW Feature above MLW	

M-2617-12

Computed by P. A. Reese Checked by P. E. Smith

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

19:30

Tampa Bay Florida

1.3

14 April '53

SARASOTA, FLORIDA

0.8

	Time	
	h.	m.
High tide	13	31
Low tide	21	00
Duration of rise or fall	07	29

	Height feet	Height x Ratio of ranges
High tide	2.0	1.6
Low tide	-1.2	-1.0
Range of tide		2.6

	Time	
	h.	m.
High tide at Ref. Sta.	13	31
Time difference	-01	06
Corrected time at Subordinate station	12	25

	Time	
	h.	m.
Low tide at Ref. Sta.	21	00
Time difference	-01	06
Corrected time at Subordinate station	19	54

Time H. T. or L. T. Required time Interval	Time H. T. or L. T. Required time Interval	Time H. T. or L. T. Required time Interval	Time H. T. or L. T. Required time Interval	Time H. T. or L. T. Required time Interval
--	--	--	--	--

h. m.	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW
12 25 14 30 02:05	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW
	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW
	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW
	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW

[illegible]

feet	Photo. No.
8.2	HUDSON
1.1	Barou
9.3	(First Bridge)
8.0.	

22

Wildflower

M-2617-12

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

Time and date of exposure

Reference station

Tampa Bay, Florida

Mean range

1.3

Date of field inspection

1330 5/7/53

Subordinate station

Sarasota Point, Fla.

Ratio of ranges

0.9

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	20	53 ✓	1.5 ✓	1.4 ✓	20	53 ✓
Low tide	15	16 ✓	+ 0.7 ✓	0.6 ✓	2	15 ✓
Duration of rise or fall	5:37 ✓		0.8 ✓		18 38 ✓	
Range of tide			Corrected time at Subordinate station			13 01 ✓
High tide at Ref. Sta.			Low tide at Ref. Sta.			15 16 ✓
Time difference			Time difference			- 2 15 ✓
Corrected time at Subordinate station			Corrected time at Subordinate station			13 01 ✓

	h. m.		Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Photo. No.
	h.	m.					
Time H. T. or L. T.	13	01	Ht. H. T. or L. T.			15.4	Pass New Bridge
Required time	13	30	Tabular correction			10.6	
Interval		29	Stage of tide above MLW			16.0	
Time H. T. or L. T.			Ht. H. T. or L. T.			14.8	
Required time			Tabular correction				
Interval			Stage of tide above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.				
Required time			Tabular correction				
Interval			Stage of tide above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.				
Required time			Tabular correction				
Interval			Stage of tide above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.				
Required time			Tabular correction				
Interval			Stage of tide above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.				
Required time			Tabular correction				
Interval			Stage of tide above MLW				

Computed by

W H Shearouse

Checked by

M-2617-12

TIDE COMPUTATION

PROJECT NO. PH-100 T. 11085

Mean range 1.3

Ratio of ranges 1.2

~~Time and date of exposure~~

Date of field inspection

1332

7 May 53

Reference station

Subordinate station

	Time	
	h.	m.
Low tide at Ref. Sta.	1.5	16
Time difference	-02	15
Corrected time at Subordinate station	13	01

	Time	
	h.	m.
High tide at Ref. Sta.	20	53
Time difference	-02	15
Corrected time at Subordinate station	18	38

	Height feet	Height x Ratio of ranges
High tide	1.5	1.4
Low tide	0.7	0.6
Range of tide		0.8

	Time	
	h.	m.
High tide	20	53
Low tide	15	10
Duration of rise or fall	05	37

	h. m.		feet		feet	Photo. No.
Time H. T. or L. T.	13 01	Ht. H. T. or L. T.	0.6	Feature bares		NEW PASS BRIDGE
Required time	13 30	Tabular correction	0.00	Stage of tide above MLW		
Interval	29	Stage of tide above MLW	0.00	Feature above MLW	16	
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by 11/1/82 Checked by 11/1/82

TIDE COMPUTATION

PROJECT NO. Ph. 100 T. 11085

Time and date of exposure 15 Feb 52 Reference station TAMPA BAY, FLORIDA Mean range 1.3

Date of field inspection Subordinate station SARASOTA PT, FLORIDA Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Range of tide
	h.	m.			
High tide	15	27	0.7	0.6	0.6
Low tide	20	19	0.0	0.0	
Duration of rise or fall	4	52			

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	15	27			
Time difference	2	15			
Corrected time at Subordinate station	13	12			

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.	20	19			
Time difference	2	15			
Corrected time at Subordinate station	18	04			

	h.	m.	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	Feature bares	Stage of tide above MLW	Feature above MLW	feet	Photo. No.
Time H. T. or L. T.	13	12								
Required time	15	14								
Interval	2	02								52-0-340
Time H. T. or L. T.										
Required time										
Interval										
Time H. T. or L. T.										
Required time										
Interval										
Time H. T. or L. T.										
Required time										
Interval										
Time H. T. or L. T.										
Required time										
Interval										

M-2617-12

Computed by R. A. Rance Checked by J. E. J. J.

TIDE COMPUTATION

PROJECT NO. Ph-100 T. 11085

Time and date of exposure 12.14 Dec 1, 53 Reference station Tampa Bay, Florida Mean range 1.3
 Date of field inspection Sarasota Point, Fla Subordinate station Sarasota Point, Fla Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Range of tide
	h.	m.			
High tide	11	41	1.01	0.9	✓
Low tide	15	48	0.8	0.7	✓
Duration of rise or fall	4	07		0.2	✓

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	11	41	✓		
Time difference	-2	15	✓		
Corrected time at Subordinate station	9	26	✓		

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.	15	48	✓		
Time difference	-2	15	✓		
Corrected time at Subordinate station	13	33	✓		

	h.	m.	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Feature bares	Stage of tide above MLW	Feature above MLW	feet	Photo. No.
Time H. T. or L. T.	13	33	✓			0.7	Feature bares				
Required time	12	14	✓			0.0	Stage of tide above MLW				
Interval	1	19	✓			0.7	Feature above MLW				42791
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares				
Required time							Stage of tide above MLW				
Interval							Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares				
Required time							Stage of tide above MLW				
Interval							Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares				
Required time							Stage of tide above MLW				
Interval							Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares				
Required time							Stage of tide above MLW				
Interval							Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares				
Required time							Stage of tide above MLW				
Interval							Feature above MLW				

Computed by

Checked by

M-2517-33

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

Time and date of exposure 15:14 11 Feb 52 reference stationTAMPA BAY, FLORIDAMean range 1.3'

Date of field inspection

Subordinate station

SARASOTA POINT, FLARatio of ranges 0.9'

	Time	
	h.	m.
High tide	15	27
Low tide	20	19
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	15
Corrected time at Subordinate station	13	12

	Time	
	h.	m.
Low tide at Ref. Sta.	20	19
Time difference	-2	15
Corrected time at Subordinate station	18	04

	h.	m.	Height feet	Height x Ratio of ranges	feet	feet	Photo. No.
Time H. T. or L. T. Required time Interval	13	12	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.6	0.2	0.4	52-0-346
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW				
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW				
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW				
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW				
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW				

M-2617-12

Computed by R. A. Reese Checked by W. E. Smith

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

Time and date of exposure -----
 Date of field inspection 1530 9/10/53
 Reference station Tampa Bay, Fla.
 Subordinate station Sarasota
 Mean range 1.5
 Ratio of ranges 0.8

	Time		Height feet	Height x Ratio of ranges	High tide Low tide Range of tide	Time		Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time		Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time	
	h.	m.				h.	m.		h.	m.		h.	m.
High tide	15	20	1.6	1.3	High tide	15	20	15 20	15	20	20 58	20	58
Low tide	20	58	0.6	0.5	Low tide	20	58	1 06	1	06	1 06	1	06
Duration of rise or fall	5	38		0.8	Range of tide			14 14	14	14	19 52	19	52

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T. Required time Interval	14	14	1.3	10.0	Ringling Bridge
	15	30	0.1	1.2	
	1	16	1.2	11.2	
				19.0	
Time H. T. or L. T. Required time Interval				10.0	from Sossbee tide gage at Sarasota
				1.4	
				11.4	
				10.2	
Time H. T. or L. T. Required time Interval	14	14	1.4	15.0	New Pass Bridge
	16	00	0.2	1.2	
	1	46	1.2	16.2	
				15.0	
Time H. T. or L. T. Required time Interval				13.0	from ship Sossbee tide gage at Sarasota
				1.3	
				16.3	
				15.1	
Time H. T. or L. T. Required time Interval					
Time H. T. or L. T. Required time Interval					

Computed by W.H. Shearman Checked by R. R. R.

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11085

Time and date of exposure -----
 Date of field inspection 1600 9/10/53
 Reference station Tampa Bay, Fla.
 Subordinate station Sarasota Point, Fla.
 Mean range 1.5
 Ratio of ranges 0.9

Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station	Photo. No.
h.	m.				
20	58				
2	15				
18	43				

Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
h.	m.			
15	20			
2	15			
13	05			

Height		Height x Ratio of ranges
feet	feet	
1.6	✓	1.4 ✓
0.6	✓	0.5 ✓
Range of tide		0.9 ✓

Time		Duration of rise or fall
h.	m.	
15	20	✓
20	58	✓
5	38	✓

h. m.		feet		Photo. No.
h.	m.	feet	feet	
13	05	1.4	15.0	New Pass Br.
16	00	0.4	2.0	
2	55	0.2	15.0	
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		
Time H. T. or L. T.		Feature bares		
Required time		Stage of tide above MLW		
Interval		Feature above MLW		

M-2617-12

Computed by W. A. Shearman Checked by R. A. Reese

Review Report T-11085
Shoreline Map
21 November 1956

61. General

This is a revision survey which includes a newly delineated total shoreline, but only such interior features as will amend the 1943 surveys T-5848, T-5849, and T-5850.

62. Comparison with Registered Surveys:

T-5848	1:10,000	1943	Longboat Key
T-5849	1:10,000	1943	Whitefield Estates
T-5850	1:10,000	1943	Sarasota Bay

The shoreline on T-11085 supersedes and the interior detail supplements that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Sarasota, 1:25,000 1949

T-11085 supersedes the quadrangle for charting shoreline and hydrographic features and amends the interior detail.

64. Comparison with Contemporary Hydrographic Surveys:

H-8044 1:10,000 1953

The H. cl. for the bridge at the north end of St. Armond Key is 5.5 ft. on H-8044. Field inspection (photo 52-0-343) of T-11085 gives 15.5 ft.

The row of groins indicated on H-8044 on the Gulf coast west of St. Armond Key is not visible on photos 52-0-343 and 42793. It is not on T-11085.

A pier was added (F.I. photo 34882) east of Edd 25(USE).

A new shoreline was added at the south entrance to New Pass and labeled "Subject to Change".

Two rocks were added (F.I. photo 34882) offshore from Sarasota WSPB radio mast.

H-8098 1:10,000 1953

Wrecks along the southwest shore of Otter Key "bare (3)" on T-11085 are recorded "bare (4)" on H-8098.

No F.I. data were given for the fixed bridge near the west end of Ringling Causway, therefore it is not on T-11085.

65. Comparison with Nautical Charts

1250 1:80,000 Mar. 1943, corr. 1955

T-11045 supersedes the chart shoreline and amends the interior detail within their common areas.

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:

R. C. Landy
Chief, Review & Drafting Sec.
Photogrammetry

Max B. Kelt
Chief, Nautical Chart Br.
Charts Division

L. W. Swanson
Chief, Photogrammetry Division

24 Sept '59

J. Bowie
Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11085

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.