

11086

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-11086

LOCALITY

State Florida

General locality West Coast

Locality Stickney Point Bridge to

Big Sarasota Pass

19452-53

CHIEF OF PARTY

I. R. Rubottom, Field Unit and Tampa
Photo. Office

LIBRARY & ARCHIVES

DATE July 11, 1958

6-1870-1 (1)

11086

DATA RECORD

T- 11086

Project No. (II): Ph-100

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
Supplement 1 5, May, 1953

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10000

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): 3/11/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~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): YOUNG 2, 1908

Lat.: 27° 16' 43.766" (1347.1 M)

Long.: 82° 32' 23.592" (648.9 M)

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.

INAPPLICABLE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. H. Shearouse

Date: June, 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): December, 1953, Air Photo
Compilation

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): I. I. Saperstein

Date: 30 April, 1953

Control checked by (III): M. M. Slavney

Date: 30 April, 1953

Radial Plot ~~or Stereoscopic~~
~~Control extension~~ by (III): M. M. Slavney

Date: 9 July, 1953

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): R. Dossett

Date: September, 1954

Photogrammetric Office Review by (III): J. A. Giles

Date: October, 1954

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

Date:

Camera (kind or source) (III): U.S.C&GS 9 lens, 8 $\frac{1}{4}$ " focal length
 Fairchild Cartographic, Camera 0, 6" Metrogon Lens
 PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
52-0-343-347 Inc	2-11-52	1514	1:10,000	+0.5
348-349	"	1515	"	"
350-351	"	1516	"	"
34882	"	1548	"	"
34883	"	1549	"	"
34884	"	1552	"	"
34885	"	1552	"	"
* 42793	1-12-53	1216	"	0.8
* 42794	"	"	"	"
* 42795	"	"	"	"

*(Not used in radial plot)

Tide (III)

Reference Station: ^{Bay} Tampa, Fla From Predicted Tides
 Subordinate Station: Sarasota Point
 Subordinate Station:

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

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

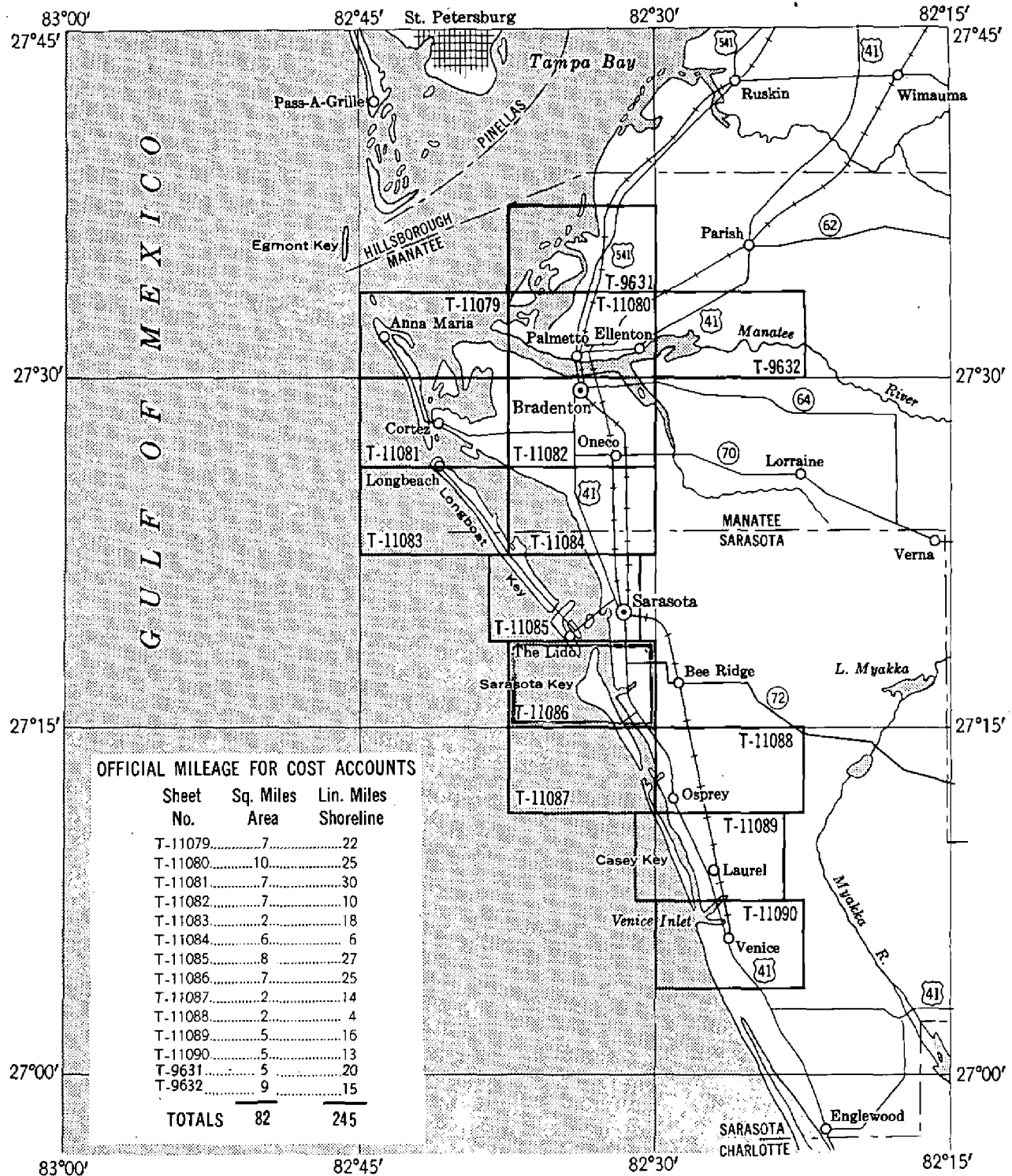
Land Area (Sq. Statute Miles) (III): 7
 Shoreline (More than 200 meters to opposite shore) (III): 25
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
 Control Leveling - Miles (II): Inapplicable
 Number of Triangulation Stations searched for (II): 18
 Number of BMs searched for (II): 4
 Number of Recoverable Photo Stations established (III): 6
 Number of Temporary Photo Hydro Stations established (III): 85

Recovered: 12 Identified: 7
 Recovered: 4 Identified: 2

Remarks:

SHORELINE MAPPING PROJECT ~~PH-100~~ 27120

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)

The FIELD INSPECTION REPORT was
submitted with T-11081

Summary and Accompany
T-11086

Instructions were issued 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 CS353, West Coast of Florida, Tampa Bay to Caloosahatchee 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.

~~CREONAR~~
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.

COMPILATION REPORT- T-11086

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11081

31. DELINEATION

Delineated graphically.

The scale of the single lens photographs was excellent.

The 9 lens photographs were of reasonably good scale,
34884 having the best over-all scale.

The field inspection was good.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated as shown on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Due to dredging, filling, tidal and wave movements, some shoreline changes have been made, the delineation being taken from the most recent photography and shown on the map manuscript in red ink. These shoreline changes (taken from photographs 42793 and 42795) are the interpretation of the compiler. The location of these points of change were previously noted on the 1952 field inspection photographs.

Alongshore detail has been delineated according to field inspection notes.

36. OFFSHORE DETAILS

Delineated according to field inspection notes.

37. LANDMARKS AND AIDS

Landmarks were submitted by the hydrographic party. Form 567 for nonfloating aids was submitted to the Washington Office, 10 August, 1953.

38. CONTROL FOR FUTURE SURVEYS

Seven(7) topographic stations are being submitted on Form 524. These topographic stations have been listed and included under item No. 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-11085 on the north and T-11087 on the south. There is no contemporary survey to the east and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.C.&G.S topographic maps T-5850 and T-5851, compiled from aerial photographs taken December 1939, and supplemented by other surveys to January, 1944, scale 1:10,000; also U.S. Corps of Engineers topographic quadrangle "Sarasota, Florida," scale 1:31680, 1944.

The greatest shoreline change noted along the outer Gulf of Mexico shoreline is along the southernmost portion of Cerol Isles, where apparently natural tidal sand filling has occurred. This occurs to a lesser degree along the outer shoreline of Sarasota Key. Along the shoreline of Roberts Bay and Little Sarasota Bay.

Filling and dredging have created many shoreline changes. Extensive cultural features particularly relative to streets and roads have undergone change. This is most pronounced in the areas adjacent to Stickney Point Bridge along the eastern shore of Little Sarasota Bay.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Nautical Charts, No. 1256, scale 1:80,000, published March, 1943, corrected to 9 July, 1953. The comparison was favorable except for the cultural features noted in item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto. Photo Aid

APPROVED AND FORWARDED

Ira R. Rubottom, Chief of Party.

48. GEOGRAPHIC NAME LIST

All geographic names are base map names.

BAY ISLAND

BIG SARASOTA PASS

CEROL ISLES

FISHERY POINT

FLORIDA

GULF OF MEXICO

HANSEN BAYOU

LITTLE SARASOTA BAY

MANGROVE CUT

PHILLIPPI CREEK

ROBERTS BAY

SARASOTA BAY

SARASOTA BEACH

SARASOTA POINT

SIESTA

SIESTA BRIDGE

SIESTA KEY

STICKNEY POINT BRIDGE

THE LIDO

Review Report T-11086
Shoreline Map
28 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-5850 and T-5851.

62. Comparison with Registered Surveys:

T-5850 1:10,000 1943
T-5851 1:10,000 1943

The shoreline on T-11086 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-11086 supersedes the shoreline and fore shore features, and supplements the interior detail for charting.

64. Comparison with Contemporary Hydrographic Surveys:

H-8098 1:10,000 1953

The shoreline on H-8098 is that of T-11086. The hydrographic party changed this MHWL in three places:

1. At the development south of Siesta Bridge
2. The northwest corner of Siesta Bay Island
3. At approximately $27^{\circ}15'82''$ $31\frac{1}{2}'$ in an area being developed.

No changes were made to the shoreline during review.

The following features were added:

1. Net rack ruin, south fork Phillippi Creek.
2. Pier in embayment at $27^{\circ}15'82''$ $31\frac{1}{4}'$
3. Islets: Phillippi Creek; at hydro signal 8688 (Day bn. 74); Roberts Bay north of triangulation station Canal.

T-11086 and H-8097 are not in agreement for Stickney Bridge clearance. Field inspection (photo 34885) records H.cl. (west span) 55 ft; H.cl. (east span) 57 ft., but needs verification of channel by hydrographer; V.cl. 8.9-ft.

The hydrographic surveys records H.c.l. 57 ft. (and it seems to apply to the west channel only, because the east channel seems to lack depth. H-8098 should have the west channel H.c.l. as 55 ft.

65. Comparison with Nautical Charts:

1256 1:80,000 March 1943, corr. Jan. 1955

T-11086 supersedes the chart for shoreline and planimetry in the comparable area.

66. Accuracy:

This map compares with project instructions and meets the National Standards of Accuracy, except in the area of changing shoreline where the shoreline was drawn from office interpretation.

Approved by:

Reviewed by:

K. N. Mahai
for Lina T. Stevens

H. C. Landy
Chief, Review & Drafting Section *for* *Wallace A. Bruder*
Chief, Nautical Branch
Charts Division

Will Swenson
Photogrammetry Division

J. B. Russell
Chief, Coastal Surveys

3 July 1958

49. NOTES FOR THE HYDROGRAPHER

Following is a list of topographic stations that may be useful to the Hydrographer.

EDD 1 (1944), 1953
EDD 31 (1943), 1953
EDD 10 (1943) 1953
BENCH MARK A, (1944) 1953
BENCH MARK 1 (1944) 1953
BET (1944) 1953.

Temporary photo-hydro stations were furnished directly to the hydrographic party.

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T- 11086

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

CONTROL STATIONS

Classification Unclassified

5. Horizontal control stations of third-order or higher accuracy MMS 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 XXX 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 XXX 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 J G 22. Planetable contours XXX 23. Stereoscopic Instrument contours XXX 24. Contours in general XXX 25. Spot elevations XXX 26. Other physical features J G

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XXXX 32. Public land lines XXX

MISCELLANEOUS

33. Geographic names J G 34. Junctions J G 35. Legibility of the manuscript J G 36. Discrepancy overlay XXX 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. 11086

Time and date of exposure 1615, Feb 11, 1952

Reference station

Tampa Bay, Fla.

Mean range

1.3

Date of field inspection

Subordinate station

Sarasota Point, Fla.

Ratio 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.		feet		feet	
Time H. T. or L. T.	13	12	Ht. H. T. or L. T.		Feature bares		Photo. No.
Required time	15	15	Tabular correction	0.6	Stage of tide above MLW		1515
Interval	2	03	Stage of tide above MLW	0.4	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		
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		

Computed by R. Wassel Checked by

Phillippe Cr. Bridge TIDE COMPUTATION

PROJECT NO. Ph-100 T-11086

Time and date of exposure 1530 6/2/53 Reference station Tampa Bay Mean range 1.2 ✓
 Date of field inspection 2 June 1953 Subordinate station Sarasota (Sosses) Ratio of ranges 0.8 ✓

	Time		Height feet	Height x Ratio of ranges	Time		Time h. m.
	h.	m.			h.	m.	
High tide	15	25	2.1	1.7	16	31	0.47
Low tide	23	41	-0.5	-0.4	1	06	1.06
Duration of rise or fall	8 16		2.1		15-25		23.41

	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.
	h.	m.					
Time H. T. or L. T. Required time Interval	15	25	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	1.7 0.3 11.7	Feature bares Stage of tide above MLW Feature above MLW	7.7 1.7 9.4 8.2	Phillippe Creek Bridge
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 R. Blount Checked by M. Blount

Stickney Pt Bridge

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11086

Time and date of exposure 640 6/8/53

Reference station Tampa Bay

Mean range 1.2

Date of field inspection 8 June 1953

Subordinate station Sarasota (SOSBES)

Ratio of ranges 0.8

	Time	
	h.	m.
High tide	10	29
Low tide	18	28
Duration of rise or fall	7	59

	Height		Height x Ratio of ranges
	feet		
High tide	2.2	✓	1.8
Low tide	-0.7	✓	-0.6
Range of tide			2.4

	Time	
	h.	m.
High tide at Ref. Sta.	10	29
Time difference	-1	06
Corrected time at Subordinate station	9	23

	Time	
	h.	m.
Low tide at Ref. Sta.	18	28
Time difference	-1	06
Corrected time at Subordinate station	17	22

	h.	m.	Height	Height x Ratio of ranges	feet	Height	Height x Ratio of ranges	feet	Photo. No.
Time H. T. or L. T.	17	22	Ht. H. T. or L. T.						
Required time	16	40	Tabular correction		-0.6	Feature bares		10.6	
Interval	42		Stage of tide above MLW		0.1	Stage of tide above MLW		10.1	
Time H. T. or L. T.			Ht. H. T. or L. T.		-0.5	Feature above MLW		8.9	
Required time			Tabular correction			Feature bares			
Interval			Stage of tide above MLW			Stage of tide above MLW			
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature above MLW			
Required time			Tabular correction			Feature bares			
Interval			Stage of tide above MLW			Stage of tide above MLW			
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature above MLW			
Required time			Tabular correction			Feature bares			
Interval			Stage of tide above MLW			Stage of tide above MLW			
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature above MLW			
Required time			Tabular correction			Feature bares			
Interval			Stage of tide above MLW			Stage of tide above MLW			
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature above MLW			
Required time			Tabular correction			Feature bares			
Interval			Stage of tide above MLW			Stage of tide above MLW			

Computed by R. B. Bessett Checked by R. B. Bessett

Siesta Bridge

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11086

Time and date of exposure 0945 6/3/53

Reference station Tampa Bay

Mean range 1.2

Date of field inspection 3 June 1953

Subordinate station Sarasota (SOSBEE)

Ratio of ranges 0.8

	Time	
	h.	m.
High tide	8	17
Low tide	11	41
Duration of rise or fall	3	24

	Height		Height x Ratio of ranges
	feet		
High tide	1.1	✓	0.9 ✓
Low tide	0.9	✓	0.7 ✓
Range of tide			0.2 ✓

	Time	
	h.	m.
High tide at Ref. Sta.	8	17
Time difference	-1	04
Corrected time at Subordinate station	7	11

	Time	
	h.	m.
Low tide at Ref. Sta.	11	41
Time difference	-1	04
Corrected time at Subordinate station	10	35

	h. m.	feet	Photo. No.
Time H. T. or L. T.	10 35	10.4	Siesta Key Bridge
Required time	9 45	0.7	
Interval	50	11.1	
Time H. T. or L. T.		9.9	
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			

M-2617-12

Computed by P. D. ... Checked by ...

TIDE COMPUTATION

PROJECT NO. Ph. 100 T. 11086

Time and date of exposure 1502 2-11-52

Reference station Tampa Bay

Mean range 1.3

Date of field inspection 1953

Subordinate station Sarasota Point

Ratio of ranges 0.9

	Time	
	h.	m.
High tide	15	27
Low tide	20	19
Duration of rise or fall	4.52	

	Height		Height x Ratio of ranges
	feet		
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.		feet		feet	Photo. No.
Time H. T. or L. T. <i>H.T.</i>	13	12	Ht. H. T. or L. T.	0.6	Feature bares		
Required time	15	02	Tabular correction	0.1	Stage of tide above MLW		
Interval	150		Stage of tide above MLW	0.5	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		
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		

Computed by *P. H. H. H.* Checked by *P. H. H. H.*

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11086

Time and date of exposure 12:16, 1 Dec, 1953 Reference station Tampa Bay Mean range 1.3
 Date of field inspection Mar, 1953 Subordinate station Sarasota Point Ratio of ranges 0.9

High tide	Time		Height feet	Height x Ratio of ranges	High tide at Ref. Sta. Time difference	Time	
	h.	m.				h.	m.
High tide	4	1	0	✓	0.9	11	41
Low tide	15	48	0.8	✓	0.7	2	15
Duration of rise or fall	4	07		✓	0.2	9	26
Range of tide					Corrected time at Subordinate station		
					Low tide at Ref. Sta. Time difference	15	48
					Corrected time at Subordinate station	2	15
					Corrected time at Subordinate station	13	33

Time H. T. or L. T. Required time Interval	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. Required time Interval	13	33		0.7	Feature bares Stage of tide above MLW Feature above MLW		42793
Time H. T. or L. T. Required time Interval	12	16		0.0	Feature bares Stage of tide above MLW Feature above MLW		42794
Time H. T. or L. T. Required time Interval	1	17		0.9	Feature bares Stage of tide above MLW Feature above MLW		42795
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Feature bares Stage of tide above MLW Feature above MLW		

Computed by R. Dasset Checked by 115

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-216A-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.