

11090

ORIGINAL

Diag. Cht. No. 1256.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. Ph-100	Office No. T-11090
LOCALITY	
State	FLORIDA
General locality	WEST COAST
Locality	HORSE AND CHAISE POINT TO
CASEY KEY	
1955	
CHIEF OF PARTY	
Ira R. Rubottom, Tampa Photogrammetric	
Office	
LIBRARY & ARCHIVES	
DATE	JUN 2 1955

COMM-DC 61300

11090

DATA RECORD

T - 11090

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

Field Office (II): OSPREY

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): TAMPA

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): 1:10,000

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): 3/11/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

XXXXXXXXXX
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): VENICE, 1934

Lat.: 27°06'05"203 (160.1 M)

Long.: 82°27'35"375 (974.5 M)

Adjusted
XXXXXXXXXX
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.

DESCRIPTIVE REPORT - DATA RECORD

SHORELINE
SURVEY

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): James E. Johnson
W.H. Shearouse

Date: July 1954

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): Inapplicable

Date:

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

Projection and Grids ruled by (IV): H. D. Wolfe (W.O.)

Date: 19 Dec. 1952

Projection and Grids checked by (IV): H. D. Wolfe (W.O.)

Date: 19 Dec. 1952

Control plotted by (III): R.J. Pate

Date: 20 April 1954

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

Date: 12 May 1954

Radial Plot ~~of Stereoscopic~~
~~Control Extension~~ ~~XXIX~~

M. M. Slavney

Date: 6 August 1954

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

Manuscript delineated by (III): W. W. Dawsey

Date: Sept. 1954

Photogrammetric Office Review by (III): W. H. Shearouse

Date: Oct. 1954

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

Date:

Camera (kind or source) (III): Coast and Geodetic Survey 9 LENS CAMERA 8.25 FOCAL LENGTH.

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
42811	1 Dec. 1953	12:35	1:10,000	+ 0.7
42812	"	12:36	"	"
42813	"	12:37	"	"
42801	"	12:19	"	"
42802	"	12:20	"	"
42803	"	12:20	"	"
42804	"	12:21	"	"

Tide (III)
From Predicted Tides

Reference Station: TAMPA BAY

Subordinate Station: PROPORTION Between SARASOTA POINT

Subordinate Station: and PORT BOCA GRAND

Ratio of Ranges	Mean Range	Spring Range
	1.5	2.0
0.9	1.3	1.7
0.7	1.0	1.3

Washington Office Review by (IV): *Lana T. Sturman*

Date: 10 Dec. 1956

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 5.

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

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 12

Recovered: 9

Identified: 6

Number of BMs searched for (II): 4

Recovered: 2

Identified: 1

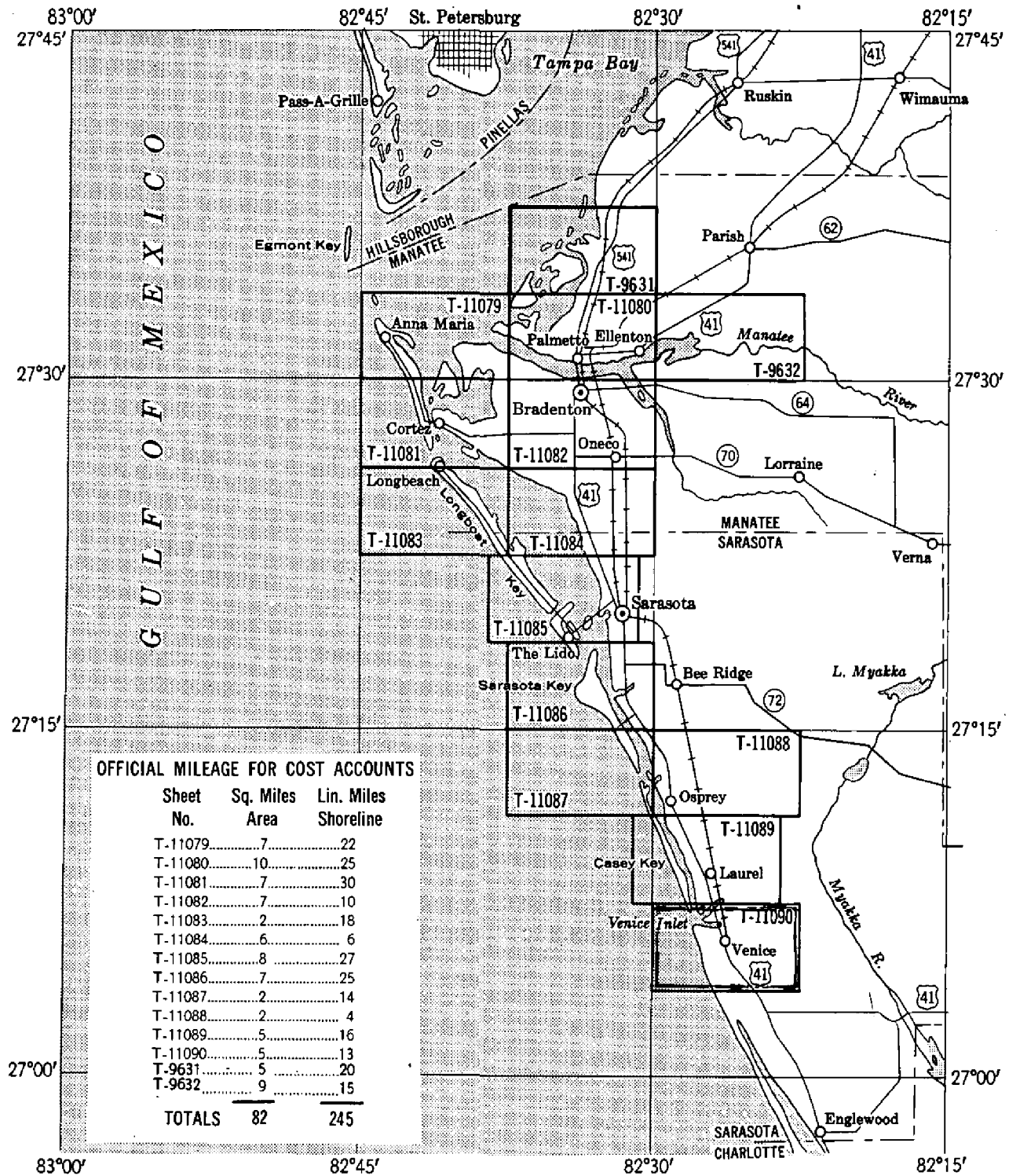
Number of Recoverable Photo Stations established (III): 2

Number of Temporary Photo Hydro Stations established (III): 51

Remarks:

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-11090

Instructions were written for Project Ph-100 December 1, 1952. Its purpose was to furnish shoreline and hydrographic control for a hydrographic survey to be made by the Ship SOSBEE. The combined surveys would furnish data for the revision of Chart 586 and the construction of a new 1:10,000 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 project 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 Film Positive
A ~~photo-backed photographic~~ 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-11090

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 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 was indicated so that no difficulty was encountered. The low-water line is based on data furnished by the field party. The shoal and shallow areas were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No difficulty was encountered in the delineation of offshore detail.

37. LANDMARKS AND AIDS

No unusual methods were employed in the application of NON-FLOATING AIDS to the manuscript. Form 567 was submitted to the Washington Office on 5 November 1954.

Landmarks will be submitted by the hydrographic party.

38. CONTROL FOR FUTURE SURVEYS

Photo-Hydro Stations are not listed under Item 49. They have been furnished to the Hydrographer.

39. JUNCTIONS

T-11089 to the north- good agreement.

There are no contemporaneous surveys to the south, east and west. *Junction has been made with T-11384 to the south. w.e.R.*

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the Coast and Geodetic Survey Planimetric Maps NO's T-5853 and T-5854, scale 1:10,000 Dated 1944. No differences of major importance were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Coast and Geodetic Chart No. 1256, scale 1:80,000(3rd edition) corrected to the 10th of August 1953.

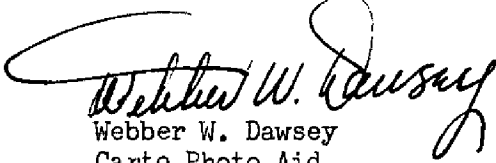
The map listed under Item 46 is the source of most of the topographic features on this chart, and the same differences exist between the chart and manuscript.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None


Webber W. Dawsey
Carto Photo Aid

APPROVED AND FORWARDED

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

48. GEOGRAPHIC NAMES

The following are Base Map names:

BLACKBURN BAY

CASEY KEY
CURRY CREEK

DONA BAY

FLORIDA

GULF OF MEXICO

HORSE AND CHAISE POINT

LYONS BAY

ROBERTS BAY

SHAKETT CREEK

TURNER KEY

VENICE
VENICE INLET

49. NOTES FOR THE HYDROGRAPHER

The following ~~hydrographic~~ stations may be useful to the hydrographer:

RADIO ANTENNA POLE S.W. 1954
RADIO ANTENNA POLE N.E. 1954

LORAN POLE S.W. 1954
LORAN POLE N.E. 1954

VENICE INLET LIGHT 1 1954

EDD **15**, 1935 U.S.E.D.(1944) 1954

50

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11090

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

Unclassified

CONTROL STATIONS

4a. Classification label

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features WHS 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 WHS

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

40. William H. Shearouse

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

CURRY CREEK K.K. DR. TIDE COMPUTATION

PROJECT NO. Ph-100 T. 11090

Time and date of exposure -----

Date of field inspection 25 June 54 Reference station Tampa Bay Fla Mean range 1.2

Subordinate station Prop between Spanish Pt & Port Boca Grande Ratio of ranges 0.85

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	23	36	0.8	0.7		
Low tide	16	28	-0.2	-0.2		
Duration of rise or fall	7	08		0.9		

Time		Height feet	Height x Ratio of ranges
h.	m.		
		0.8	0.7
		-0.2	-0.2
			0.9

Time		Height feet	Height x Ratio of ranges
h.	m.		
		0.8	0.7
		-0.2	-0.2
			0.9

Time		Height feet	Height x Ratio of ranges	Time	
h.	m.			h.	m.
Time Est. or L. T.	14 28	Ht. H. T. or L. T.	Ht. H. T. or L. T.	Low tide at Ref. Sta.	16 28
Required time	14 40	Tabular correction	Tabular correction	Time difference	2 00
Interval	12	Stage of tide above MLW	Stage of tide above MLW	Corrected time at Subordinate station	14 28
Time H. T. or L. T.		Ht. H. T. or L. T.	Ht. H. T. or L. T.		
Required time		Tabular correction	Tabular correction		
Interval		Stage of tide above MLW	Stage of tide above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.	Ht. H. T. or L. T.		
Required time		Tabular correction	Tabular correction		
Interval		Stage of tide above MLW	Stage of tide above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.	Ht. H. T. or L. T.		
Required time		Tabular correction	Tabular correction		
Interval		Stage of tide above MLW	Stage of tide above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.	Ht. H. T. or L. T.		
Required time		Tabular correction	Tabular correction		
Interval		Stage of tide above MLW	Stage of tide above MLW		

* Bridge Book lists 8.9 ft $\approx$ 6 MLW
Measured Horiz. cl. = 18.9 hor cl.

Computed by JOE Checked by WKS

TIDE COMPUTATION

PROJECT NO. PH-100(52)T-11090

Mean range 1.2

Reference station Tampa Bay Fla

Ratio of ranges 0.85

Prop between Sarasota Pt & Port

Boca Grande

	Time	
	h.	m.
Low tide at Ref. Sta.	15	09
Time difference	2	00
Corrected time at Subordinate station	13	09

	Time
	h. m.
High tide at Ref. Sta.	
Time difference	
Corrected time at Subordinate station	

	Height	Height x Ratio of ranges,
	feet	
High tide	0.9	0.8
Low tide	0.1	0.1
Range of tide		0.7

	Time	
	h.	m.
High tide	21	00
Low tide	15	09
Duration of rise or fall	5	51

	h. m.		feet		feet	Photo. No.
Time H. T. or L. T.	13 09	Ht. H. T. or L. T.	0.1	Feature bares	6.9	42811
Required time	15 30	Tabular correction	0.3	Stage of tide above MLW	0.4	
Interval	2 21	Stage of tide above MLW	0.4	Feature above MLW	7.3	
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares	6.1	
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		
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		

Bridge

Computed by

Checked by

SHAKETT CREEK SOUTH BRIDGE

PHOTO 42802

TIDE COMPUTATION

PROJECT No. Ph-100 (52)A

T-11090

Time and date of exposure _____ Ref. Station Tampa Bay Spring Range 1.5
 Date of field inspection 6/17/54 Subordinate station Sarasota Bay Proportion between Ratio of ranges 0.85
& Port Boca Grand

Time	h. m.
High tide	12 29
Low tide	2 35
Duration of rise or fall	2 06

Ht.	Weight	Hgt. x Ratio
High tide	2.3	1.9
Low tide		0.6
Range of tide		2.5

Mink

High tide at ref. sta.	Time h.m.
12 29	12 29
Time difference	2 06
Corrected time at subordinate station	11 29

Time h.m.
Low tide at
Ref station
Time difference
Corrected time at subord. stat.

Time H.T. or L.T.	H. M.	Ht. H.T. or L.T.	Feet	Photo No.
Required time	11 29	Tabular correction	1.9	Feature bars
Interval	12 35	Stage of T above MLLW	-0.2	Stage of T above MLLW
	1 06	Stage of T above MLLW	1.7	Feature above MLLW
			7.4	

" " MHW 5.9

SHAKETT CREEK NOV 4 BR.
 PHOTO 2280V

TIDE COMPUTATION

PROJECT No. Pa-100 (52)A

T-11090

Time and date of exposure _____ Ref. Station Tampa Bay Spring Mean Range 1.5
 Date of field inspection 6/17/54 Subordinate station Scrivens Pt. Ratio of ranges 0.85
& Port Boca Grand

Time		Height		Time	
H. M.		Feet		H. M.	
High tide	03 29	High tide	2.3	High tide at ref. sta.	1329
Low tide	21 35	Low tide	0.2	Time difference	200
Duration of		Range of tide	2.5	Corrected time at	
rise or fall	09 06			transit station	11 29
				Low tide at	
				Ref. station	
				Time difference	
				Corrected time	
				at subord. stat.	

H. M.		Feet		Ratio	
H. M.		Feet		Ratio	
Time H.T. or L.T.	11 29	Ht. H.T. or L.T.	1.9	Feature below	6.0
Required time	12 30	Tabular correction	-	Stage of T above MLL	1.8
Interval	1 01	Stage of T above MLL	1.8	Feature above MLL	7.8
				"	" MHW 6.3

CURRY CREEK BRIDGE
 PHOTO 42802

TIDE CORRELATION

PROJECT No. W-300 (52)A

T-11090

Time and date of exposure _____

Date of field inspection 6/17/54

Ref. Station Tampa Bay ^{Spring} Mean Range 1.5

Subordinate station San Jose Point 2 Ratio of ranges 0.85
 Part Boca Grand

Time	
h. m.	
High tide	13 29
Low tide	24 35
Duration of rise or fall	18 06

Height M.T. x Ratio	
Feet of ranges	
High tide	2.3
Low tide	-0.7
Range of tide	3.0
	2.5

High

Time	
h. m.	
High tide at ref. sta.	13 29
Time difference	2 00
Corrected time at subordinate station	11 29

Time	
h. m.	
Low tide at Ref station	
Time difference	
Corrected time at subord. stat.	

R. M.	
Feet	
11 29	1.9
12 45	2
13 16	1.7

Time M.T. or L.M.	
Required time	
Interval	
11 29	5.8
12 45	1.7
13 16	2.5

" " MHW 6.0

TIDE COMPUTATION

PROJECT NO. Ph-100 T. 11090

Time and date of exposure 12:20 1 DEC 1953 Reference station

TAMPA BAY

MEAN SARASOTA PT & PORT BONA GRANDE

Date of field inspection JUNE 1954

Subordinate station

Mean range 1.2

Ratio of ranges 0.8

	Time		Height feet	Height x Ratio of ranges	Time	Time
	h.	m.				
High tide	9	46	1.0	0.8	11:41	15:48
Low tide	13	53	0.8	0.6	-1:55	-1:53
Duration of rise or fall	4:07		Range of tide		9:46	13:53

	Height feet	Height x Ratio of ranges	Time	Time	Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
High tide	1.0	0.8	11:41				
Low tide	0.8	0.6	-1:55				
Range of tide		0.2	9:46				

	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	53	Ht. H. T. or L. T.				42803
Required time	12	20	Tabular correction				42802
Interval	1	33	Stage of tide above MLW				42801
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

Checked by

Review Report T-11090
Shoreline Map
10 December 1956

61. General

This is a revision survey which includes a newly delineated total shoreline, but only such interior features as will amend and supplement the 1944 surveys.

62. Comparison with Registered Surveys

T-5853 1:10,000 1944 Casey Key and Vicinity
T-5854 1:10,000 1944 Venice and Vicinity

The shoreline on T-11090 supersedes and the interior detail supplements or amends the older surveys for charting.

63. Comparison with Maps of Other Agencies

U.S.E. Venice 1:25,000, ed. 1947

T-11090 supersedes and amends the quadrangle as above for charting.

64. Comparison with Contemporary Hydrographic Surveys

H-8154 1:10,000 1954

No shoreline changes were made during review.

A small pier on H-8154 just west of the Venice Yacht Club pier is not visible on the photographs and was therefore not added to T-11090.

Two small piers east of Station V12 + 100 are lacking on H-8154.

65. Comparison with Nautical Charts

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

Not on chart:

Daybeacon No. 1 Little Sarasota Bay
Daybeacon No. 8X Venice Inlet

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:

H. C. Lande
Chief, Review & Drafting Sec.
Photogrammetry Div.

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

Ell Swanson
Chief, Photogrammetry Div.

23 July 59

W. H. Hume
Chief, Coastal Surveys

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.