11084

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-11084

LOCALITY

State Florida

General locality Sarasota Bay

Locality Stephens Point to Long Bar Point.

1952-54

CHIEF OF PARTY

J. E. Waugh, Field Unit and Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 10, 1958

B-1870-1 (1)

11084

DATA RECORD

T - 11084

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

Field Office (II): Sarasota, Florida Chief of Party: J. E. Waugh

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

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): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 4/8/58

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N. A. 1927 Vertical Datum (III):

~~Mean sea level~~ *except as follows:* M.H.W.
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): WHITFIELD ESTATES TANK, 1934 ✓

Lat.: 27° 25' 13".514 (415.9 m.) ✓ Long.: 82° 33' 39".088 (1073.7 m.) ✓ Adjusted ~~Unadjusted~~

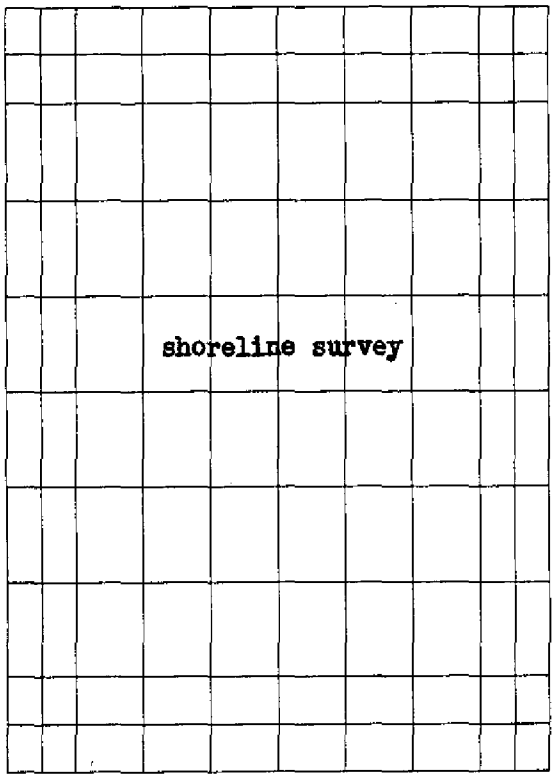
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): W. H. Shearouse
James E Johnson
Date: April 1953
@ Bing " 1954

Planetable contouring by (II): Inapplicable
Date:

Completion Surveys by (II): Inapplicable
Date:

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

Projection and Grids ruled by (IV): Jack Allen (W.O.)
Date: 11 Dec. 1952

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

Control plotted by (III): I. I. Saperstein
Date: 17 Feb. 1953

Control checked by (III): R. J. Pate
Date: 18 Feb. 1953

Radial Plot by (III): M. M. Slavney
Date: 4 May 1953

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

Manuscript delineated by (III): R. A. Reece
Date: 29 June 1953
14 April 1954

Photogrammetric Office Review by (III): J. A. Giles
Date: 6 July 1953
October 1954

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

M-2618-12(4)

Camera (kind or source) (III): USC&GS Nine-lens 8½" focal length
Fairchild Cartographic Camera "O" Metrogon lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
34879	11 Feb. 1952	1425	1:10,000	0.5
34880	"	1426	"	"
34888	"	1457	"	"
34889	"	1458	"	"
34890	"	1459	"	"
34891	"	1500	"	"
				"
52-0-336	"	1513	"	"
52-0-337	"	1513	"	"
52-0-338	"	1513	"	"
42790	1 Dec 1953	1213	"	1.0

Tide (III)

Reference Station: TAMPA BAY, FLORIDA
Subordinate Station: SARASOTA, FLORIDA * (~~from predicted tides~~)
Subordinate Station:

SARASOTA POINT

Ratio of Ranges	Mean Range	Spring Range
-	1.5	2.0
0.9	1.3	1.7

Washington Office Review by (IV): Lena T. Stevens Date: 15 Nov. 1956

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 6
Shoreline (More than 200 meters to opposite shore) (III): 6
Shoreline (Less than 200 meters to opposite shore) (III): 0
Control Leveling - Miles (II): 0
Number of Triangulation Stations searched for (II): 8 Recovered: 7 Identified: 7
Number of BMs searched for (II): 0 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): ~~25~~ 27

Remarks:
*Tide computations have been based on tidal differences and constants furnished by the Ship SOSBEE August 1953.

Summary to Accompany

T-11084

Instructions were written for Project Ph-100 on 1 December 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 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 portion of the area, and to assist the Photogrammetric Office in field work as necessary to locate additional control.

A ~~cloth-backed lithographic~~ CRONAR 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 FOR T-11081

COMPILATION REPORT T-11084

PHOTOGRAMMETRIC PLOT REPORT.

This report to be submitted with T-11081.

31. DELINEATION.

The graphic method of compilation was used. No unusual methods were used.

All but the northeast corner of the quadrangle was sufficiently covered by photographs to accomplish the necessary delineation. Only a small area could not be controlled, however, this does not affect the coastal area. Scale and clarity of the photographs were good.

Shoreline inspection was adequate. No unusual difficulties were encountered in interpretation.

32. CONTROL.

Sufficient control was identified; density and placement were good.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

Drainage has been shown according to the field inspection notes and photograph interpretation. Canals and ditches not shown on the published quadrangle were delineated.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. Alongshore details have been delineated according to field inspection notes.

36. OFFSHORE DETAILS.

Offshore details were adequately described on the field photographs and have been delineated accordingly.

37. LANDMARKS AND AIDS.

Landmarks will be submitted by the hydrographic party. Form 567 for nonfloating aids was submitted to the Washington Office on 10 August 1953.

38. CONTROL FOR FUTURE SURVEYS.

Two (2) recoverable topographic stations of use to the hydrographer were relocated on this survey and are being submitted with this report. They are listed under Item 49.

The latest scaled positions of all topographic stations are to supersede the old positions. Very slight difference exists between the old and new positions.

Twenty-seven (27) temporary photo-hydro stations were located but are not listed under Item 49 as they were furnished directly to the hydrographic party.

39. JUNCTIONS.

Surveys No. T-11082 on the north, T-11083 on the west and T-11085 on the south make satisfactory junction. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with Corps of Engineers Topographic Quadrangle BRADENTON, scale 1:31,680, edition of 1944. The numerous changes that have taken place are shown on the manuscript. This is with the exception of buildings.

Comparison was also made with USC&GS Planimetric Map No. T-5849, scale 1:10,000, 1943 edition. Minor cultural changes have taken place.

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 under Item 46 are the source of most of the features on this chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Richard A Reece

Richard A. Reece
Carto Photo Aid

APPROVED AND FORWARDED

William A. Rasure

for J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.

Only Base Map names have been shown.

BISHOPS POINT
BOLEES CREEK

FLORIDA

LONG BAR POINT

LONGBOAT KEY

SARASOTA BAY
STEPHENS POINT

49. NOTES FOR THE HYDROGRAPHER.

Topographic stations for use of the hydrographer are as follows:

QUA (1943), 1953

~~RING (1943), 1953~~ Destroyed
BING, 1954

TIDE COMPUTATION

PROJECT NO. Ph-100(52)r-11084

Time and date of exposure 1500 11 Feb.1952 Reference station Tampa Bay, Florida Mean range 1.3

Date of field inspection ________ *Subordinate station Sarasota, Florida Ratio of ranges 0.9

	Time h.	Time 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.	Time m.
High tide at Ref. Sta.	15	27
Time difference	-01	13
Corrected time at Subordinate station	14	14

	Time h.	Time m.
Low tide at Ref. Sta.	20	19
Time difference	-01	13
Corrected time at Subordinate station	19	06

	h.	m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	14	14	Ht. H. T. ~~or L. T.~~	0.6	Feature bares		34891
Required time	15	00	Tabular correction	0.0	Stage of tide above MLW		
Interval		46	Stage of tide above MLW	0.6	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		
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		

*Established by Ship SOSBEE 1953

M-2617-12

Computed by R. A. Reece Checked by J. A. Giles

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11084

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 XX
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 J.G. 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 J.G. 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 W.W. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles (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

T-11084

41. REMARKS:

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 (except buildings, none of which are shown) have been shown according to office interpretation.

The shoreline changes have been shown on the map manuscript with red acetate ink.

TIDE COMPUTATION

PROJECT NO. Ph-100 T-11084

Time and date of exposure 12:13 Dec 1, 53 Reference station Tampa Bay, Florida Mean range 1.3

Date of field inspection _____ Subordinate station Sarasota Point, Fla Ratio of ranges 0.9

	Time h.	m.
High tide	11	41
Low tide	15	48
Duration of rise or fall	4	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	15
Corrected time at Subordinate station	9	26

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

	h.	m.		feet		feet	Photo. No.
Time [redacted] or L. T.	13	33	Ht. [redacted] or L. T.	0.7	Feature bares		42790
Required time	12	13	Tabular correction	0.0	Stage of tide above MLW		
Interval	1	20	Stage of tide above MLW	0.7	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		
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. A. Rice Checked by R. E. Smith

M-261713

REVIEW REPORT T-11084

Shoreline Map
15 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 and T-5849).

62. Comparison with Registered Surveys

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

The shoreline on T-11084 supersedes and the interior detail supplements that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Bradenton	1:25,000	1949
USE Bradenton Beach	1:25,000	1949

T-11084 supersedes the shoreline and supplements the interior for charting.

64. Comparison with Contemporary Hydrographic Surveys:

H-8044

The form of the concrete sea wall in the vicinity of hydro station 8416 (DOC) was changed on T-11084.

Three groins and a road were added to T-11084 in the vicinity of BING 1954 from information given in the sketch on form 524 for that station.

H-8044 amends the shoreline in the Bolees Creek entrance area in those sections labeled "undergoing changes"..." on T-11084.

65. Comparison with Nautical Charts

1256	1:80,000	Mar. 1943	revised Jan. 1955

T-11084 supersedes the shoreline and amends the planimetry of the chart in their common area.

66. Accuracy

This survey 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, Cartographic Branch
Photogrammetry Division

Wallace A. Bruder
for Chief, Neutical Chart Branch
Division of Charts

H W Swanson
Chief, Photogrammetry Division
3 July 1958

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11084

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
July 61	857	[illegible]	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.