

9631

Diag. Cht. No. 9631.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-100 Office No. T-9631

LOCALITY

State Florida

General locality West Coast

Locality Terra Ceia Bay to Bishop

Harbor

1953-58

CHIEF OF PARTY

I.R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE May 1963

USCOM-DC 5087

9631

DATA RECORD

T- 9631

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

Field Office (II): **Palmetto, Fla.** Chief of Party: **Ira R. Rubottom**

Photogrammetric Office (III): **Tampa, Fla.** Officer-in-Charge: **Ira R. Rubottom**

Instructions dated (II) (III): **1 Dec. 1952** Copy filed in Division of
Photogrammetry (IV)

Supplement No. 1, 5 May, 1953

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): **6 June 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): **GILLETTE, 1934**

Lat.: **27° 35' 39".597 (1218.8 m.)** Long.: **82° 31' 39".418 (1081.1 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.

DATA RECORD

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

Date: April 1954 *May 1958*

Aids to Navigation located in 1958

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **1 April 1954**
Air Photo Compilation

Projection and Grids ruled by (IV): **Joan Thuma (W. O.)**

Date: **29 Jan. 1954**

Projection and Grids checked by (IV): **Jack Allen (W. O.)**

Date: **1 Feb. 1954**

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

Date: **1 Mar. 1954**

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

Date: **2 Mar. 1954**

Radial Plot ~~or Stereoscopic~~ **M. M. Slavney**

Date: **16 Mar. 1954**

~~Control extension~~ by (III):

Planimetry

Date:

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

Contours

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **June 1954**
See page 6

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

Date: **Oct. 1954**

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

Date:

Camera (Kind or source) (III): **USC&GS Nine-lens**

Number	Date	Time	Scale	Stage of Tide
42749	1 Dec. 1953	1118	1:10,000	1.0
42750	"	1119	"	"
42751	"	1120	"	"
42752	"	1121	"	"
42753	"	1123	"	"
42754	"	1124	"	"
42755	"	1125	"	"
42756	"	1126	"	"
<i>a Nine-lens</i>	<i>16 April 1957</i>		<i>1:10,000</i>	

Tide (III)
From predicted tides

Reference Station: **Tampa Bay**
 Subordinate Station: **Tampa Bay - Braden, Manatee River**
 Subordinate Station: **(Mean of two)**

Ratio of Ranges	Mean Range	Spring Range
1.0	1.5	1.9

Washington Office Review by (IV): *Lena J. Stevens*
 Final Drafting by (IV): *Mary E. Taylor*
 Drafting verified for reproduction by (IV): *Wm. D. Hallum*
 Proof Edit by (IV):

Date: *22 Dec 1955*
 Date: *Sept. 1959*
 Date: *6/6/60*
 Date:

Land Area (Sq. Statute Miles) (III): **5**
 Shoreline (More than 200 meters to opposite shore) (III): **20**
 Shoreline (Less than 200 meters to opposite shore) (III):
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): **12** Recovered: **8** Identified: **5**
 Number of BMs searched for (II): **0** Recovered:
 Number of Recoverable Photo Stations established (III): **12** Identified:
 Number of Temporary Photo Hydro Stations established (III): **24**

Remarks:

Summary to Accompany T-9631

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 568 and for the 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 CS-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.

Crossed film prints
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.

SUPPLEMENT TO COMPILATION REPORT T-9631

The revisions done in the TAMPA OFFICE shown in red ink are from nine-lens photographs taken 16 April 1957. *Some red ink revisions were applied in the Washington Office; source unknown.

There was only one photograph covering the area of TERRA CEIA BAY and it was of very poor scale. The revisions are believed to be within the limits of accuracy.

Hydrographic control stations were located in the TAMPA BAY area by photogrammetric methods. This area was not to be sounded at the time project Ph-100 was compiled in 1954.

** See paragraph 64 of the Review Report*

TAMPA DISTRICT OFFICE

FIELD INSPECTION REPORT IS

BOUND WITH T-11080.

49. NOTES FOR THE HYDROGRAPHER (Supplemental)

Photo-hydro stations -

3101 to 3105 - fall on T-11079, Ph-100, to the southwest.

3106, 3121, 3125, 3126, 3130 - fall on T-11080, Ph-100, to the south.

3151 and 3152 - fall on T-10568, Ph-171, to the west.

The following fall within the limits of this shoreline manuscript:

~~3182~~ 3107 - Lone overhanging mangrove.

~~3183~~ 3108 - Overhanging mangrove (low).

~~3184~~ 3109 - Mangrove on point (westerly tip). Stake nailed to limb.

~~3185~~ 3110 - On west tip of dense mangrove point. Stake nailed in tree 5 feet above high water, north side of Big McGill Pass.

~~3186~~ 3111 - Australian Pine south side causeway - easternmost and largest in row.

~~3187~~ 3112 - Point mangrove south side of causeway marked by slim stake.

~~3188~~ 3113 - Center mangrove island - nailed in tree.

~~3189~~ 3114 - Center rounding point of mangrove island - ^{banner} nailed in tree.

~~3190~~ 3115 - Center small mangrove island.

~~3191~~ 3116 - Short mangrove bush on oyster bar.

~~3192~~ 3117 - Point of mangrove.

~~3193~~ 3118 - Mangrove bush on oyster bar.

~~3194~~ 3119 - West gable tin shack.

~~3195~~ 3120 - West end of pier in front of flat roof white house.

~~3196~~ ~~3122~~ ^{3121 shown on Manuscript.} - Tip of mangrove. Flag on limb.

~~3197~~ 3123 - Center mangrove island.

~~3198~~ 3124 - Flag on low limb of mangrove point.

3127 - Flag on stake nailed to low mangrove limb.

3128 - Flagged mangrove point.

3129 - Center mangrove island.

- 3131 - Point of mangrove. Stake with flag nailed to limb.
- 3132 - Center of small mangrove island.
- 3133 - Point of mangrove at entrance to cove.
- 3134 - Rounded point of mangrove. Flag tied to limb.
- 3135 - Mangrove limb on rounded point. Stake nailed to limb.
- 3136 - Small mangrove on oyster bar.
- 3137 - Largest of group of mangrove on oyster bar.
- 3138 - 5-foot bush on west side of entrance to new "Cut". North side of Tillett Bay.
- 3139 - 6-foot bush 30 feet east of "Cut" on south side of Tillett Bay. "Most westerly cut".
- 3140 - Northerly mangrove on oyster bar of a group off from pier.
- 3141 - Northwest corner of "L" shaped pier in northeast corner of Tillett Bay.
- 3142 - Point of mangrove. * *Not shown on manuscript*
- 3143 - Center of 3 tall Australian pines on rounding shoreline. (Northwesterly of several in cluster)
- 3144 - East gable of westerly of two buildings in picnic area.
- 3145 - Stake south side of causeway 6 feet north of high water line at point of sand bar "at half tide".
- 3146 - *overhanging limb of M9. - * Not shown on manuscript*
- 3147 - "T" intersection of concrete bulkhead on south side of Skyway and east of first bridge.
- 3148 - State Road Department disk on northeast corner of first bridge from east end.
- 3149 - On Skyway seawall 4.5 feet from Power Pole No. 535, 4th pole west of first bridge at joint in seawall marked with keel.
- 3150 - On seawall south side of Skyway marked with keel and stake without flag.
- 3153 - Overhanging mangrove on rounding point south side of bight. Stake nailed to limb. * *Not on manuscript*
- 3154 - Point of overhanging mangrove. Flag nailed to limb 5 feet high.

- 3155 - Southeastern tip of Joe Island. Flag tied to limb.
- 3156 - Flag tied to limb. Center small mangrove island.
- 3157 - South tip of island just north of Joe Island. Stake at tree roots.
- 3158 - Oyster bar on northern tip of mangrove island. Stake driven in oyster bar. (Photo. Wing)
- 3159 - Center oyster bar in bight. Stake with flag.
- 3160 - Tip of mangrove with projecting oyster bar.
- 3161 - End of pier, entrance Bishop Harbor.
- 3162 - Stake in mangrove bush on oyster bar south side Bishop Harbor.
- 3163 - Lone mangrove bush, south side of Bishop Harbor. Flag in tree.
- 3164 - Overhanging mangrove limb. Cloth tied on limb about 7 feet high.
- 3165 - Rounded point of mangrove. Cloth on limb.
- 3166 - Dead mangrove bush on oyster bar. "Flagged"
- 3167 - West gable of shack, north side of cut.
- 3168 - Rounding point mangrove on island. Flag on limb.
- 3169 - Point of overhanging mangrove. Flag on limb.
- 3170 - Point mangrove on oyster bar. Stake and flag.
- 3171 - Point mangrove. Flag on low limb.
- 3172 - Lone mangrove center of oyster bar. Flag and stake.
- 3173 - Flag on mangrove limb about 6 feet above MHW.
- 3174 - Flag on mangrove limb about 4 feet above MHW.
- 3175 - Flag center lone mangrove tree at L.W.L.
- 3176 - Northwest tip of mangrove island, south side of inlet. Flag on low limb.
- 3177 - Mangrove tree north side of inlet surrounded by stakes. Flag on low limb.
- 3178 - Western tip mangrove. Flag on limb.

3179 - Tip of mangrove. Flag on limb.

3180 - Tip of mangrove. Flag on limb.

3181 - Stake with flag standing in water about 10 feet off shore
under overhanging mangrove limbs.

COMPILATION REPORT T-9631

PHOTOGRAMMETRIC PLOT REPORT.

This report is bound with T-11081.

31. DELINEATION.

The graphic method was used.

The photographs were of reasonably good scale.

Field inspection was adequate.

32. CONTROL.

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

The drainage has been delineated according to field inspection notes and photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

All piers, wharves, etc., have been delineated according to field inspection notes. The shoal and shallow areas have been outlined as interpreted by the compiler photographically.

36. OFFSHORE DETAILS.

Numerous oyster bars were noted by the field inspector. These have been delineated as M. L. W. areas and labeled "oys bars".

37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

Eleven (11) topographic stations are being submitted on Form 524. These have been listed and included under Item 49.

39. JUNCTIONS.

There is no contemporary survey on the ~~north, east, or west~~.
A satisfactory junction has been secured with T-11080 on the south, *T10568 on the North and T10568 on the West*

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

A comparison was made with topographic quadrangle ELLENTON, FLA., U. S. Corps of Engineers, scale 1:31,680, compiled in 1942. The only outstanding change noted was the new highway and bridges across Tampa Bay - St. Petersburg to Terra Ceia Island. Comparison was also made with USC&GS planimetric map T-5842 (1941) and the same differences above noted apply.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Nautical Chart No. 586, scale 1:40,000, published January 1944 and bearing a print date of 12 December 1952. This chart shows the construction mentioned in Item 46 to the shore of TERRA CEIA ISLAND; however, the highway continuation to TERRA CEIA BAY and the newly constructed bridge and fill are not shown.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

Data for the SUNSHINE SKYWAY and approaches were forwarded to Washington under date of 22 September 1954.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett
Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED:

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

48. GEOGRAPHIC NAME LIST.

All geographic names are base map names.

ALDERMAN BAYOU ✓

BIG MC GILL PASS ✓

BISHOP HARBOR ✓

BOOTS POINT ✓

CRITICAL BAYOU ✓

CRITICAL CREEK ✓

CUSTER BAYOU ✓

EDS KEY ✓

FLETCHER POINT ✓

FLORIDA ✓

FROG CREEK ✓

HARBOR KEY ✓

HELLS HALF ACRE ✓

HORSESHOE KEY ✓

JOE BAY ✓

JOE ISLAND ✓

KITCHEN KEY ✓

LITTLE MC GILL PASS ✓

LITTLE REDFISH CREEK ✓

MARIPOSA KEY ✓

MC GILL BAY ✓

MC GILL ISLAND ✓

MC MULLEN CREEK ✓

MOSES HOLE ✓

NORTHEAST HEAD ✓

PARADISE ISLAND ✓

SISTER KEYS ✓

SKEET KEY ✓

SOUTHEAST HEAD ✓

TAMPA BAY ✓

TAMPA GAP DRAIN ✓

Sunshine Highway Fla. 55

48. GEOGRAPHIC NAME LIST (CONTINUED)TERRA CEIA BAY ✓TERRA CEIA ISLAND ✓TERRA CEIA RIVER ✓TILLETTE BAYOU ✓TWO BROTHERS ISLAND ✓WILLIAMS BAYOU ✓

Names approved
12-27-55. L. Heck

49. NOTES FOR THE HYDROGRAPHER.

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

VOL (1941) 1954

BOY (1941) 1954

AZO (1941) 1954

AIR (1941) 1954

KOP (1941) 1954

ANN (1941) 1954

ELY (1941) 1954

FOB (1941) 1954

FET (1941) 1954

HOG (1941) 1954

VIC (1941) 1954

Twenty-four (24) temporary photo-hydro stations are not listed because they were furnished directly to the hydrographic party (Ship SOSBEE).

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9631

- 1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS
- 5. Classification label UNCLASSIFIED

CONTROL STATIONS

- 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 XX
- 9. Plotting of sextant fixes XX 10. Photogrammetric plot report MMS 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 XX 17. Landmarks XX 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 XX

CULTURAL FEATURES

- 27. Roads WHS 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 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. T-9631

Reference station TAMPA BAY

Time and date of exposure 1122 1 Dec 1953

Date of field inspection APRIL 1954

Subordinate station Tampa Bay (St. Pt.) Bradenton, Manatee River (MEAN)

Mean range 1.5

Ratio of ranges 1.0

High tide	Time		Height feet	Height x Ratio of ranges	High tide at Ref. Sta.	Time	
	h.	m.				h.	m.
High tide	11	19	1.0	1.0	High tide at Ref. Sta.	11	41
Low tide	15	26	0.8	0.8	Time difference	-	22
Duration of rise or fall	4 07		0.2	0.2	Corrected time at Subordinate station	11	19
					Low tide at Ref. Sta.	15	48
					Time difference	-	22
					Corrected time at Subordinate station	15	26

Time H. T. or L. T.	h. m.	Height feet	Height x Ratio of ranges	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Feature bars	Stage of tide above MLW	Feature above MLW	Photo. No.
Time H. T. or L. T.	11 19	1.0	1.0	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	1.0	Feature bars	Stage of tide above MLW	Feature above MLW	
Required time	11 22	0.8	0.8	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	0.0	Stage of tide above MLW	Feature above MLW		
Interval	3			Stage of tide above MLW			1.0	Feature above MLW			
Time H. T. or L. T.				Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bars	Stage of tide above MLW	Feature above MLW	
Required time				Stage of tide above MLW				Stage of tide above MLW	Feature above MLW		
Interval				Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bars	Stage of tide above MLW	Feature above MLW	
Time H. T. or L. T.				Stage of tide above MLW				Stage of tide above MLW	Feature above MLW		
Required time				Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bars	Stage of tide above MLW	Feature above MLW	
Interval				Stage of tide above MLW				Stage of tide above MLW	Feature above MLW		
Time H. T. or L. T.				Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bars	Stage of tide above MLW	Feature above MLW	
Required time				Stage of tide above MLW				Stage of tide above MLW	Feature above MLW		
Interval				Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bars	Stage of tide above MLW	Feature above MLW	
Time H. T. or L. T.				Stage of tide above MLW				Stage of tide above MLW	Feature above MLW		

Computed by R. D. S. seth Checked by W. D. S. M-2517-12

Review Report T-9631
Shoreline Map
22 December 1955 + 1958

61. General:

This is a revision survey which includes a newly delineated total shoreline but only such interior features as will amend the 1941 surveys (T-5842, T-5844).

62. Comparison with Registered Surveys:

T-1346 b	1:20,000, 1874	Tampa Bay: Palmasola Pt. to Piney Pt.
T-4212	1:20,000, 1926	Tampa Bay: Terra Ceia Bay to Piney Pt.
T-5842	1:10,000, 1941	Tampa Bay: Bishops Harbor
T-5844	1:10,000, 1941	Terra Ceia Bay - Manatee River

The shoreline on T-9631 supersedes that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Ellenton, Florida 1:25,000, 1947 (from C&GS T-8396, 1942)

T-9631 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys:

B.P. 52012 (Boat Sheet) H-? 1954. Terra Ceia Bay and Manatee River

The shoreline of Terra Ceia Bay on the boat sheet is that of T-9631. During review changes were made in ^{re-~~the~~} the shoreline in the vicinity of the new highway over the bay. *Additions and Corrections applied from 1958 Field Inspection were reviewed in 1958*

Topographic station BOY on the boat sheet corresponds to photo point A on T-9631. This point is approximately 7m. southwest of the marked topographic station.

65. Comparison with Nautical Charts:

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

The shoreline on T-9631 supersedes that of the chart in their common area. Foreshore features are subject to check by the hydrographic party.

66. Accuracy:

This map complies with project instructions and meets the National Standards of Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED:

H. C. Landy
Chief, Review Section
Photogrammetry Division

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

J. E. Wainwright 10/24/61
Chief, Photogrammetry Division

Howard B. Conroy
Chief, ~~Coastal Surveys~~ Division
Operations

