

10543 Original✓

Diag. Cht. No. 1257-3.

Form 504	
U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-10543
LOCALITY	
State	FLORIDA
General locality	TAMPA BAY
Locality	COURTNEY CAMPBELL PARKWAY
19 58	
CHIEF OF PARTY	
A. L. Wardwell, Tampa Photo Office	
LIBRARY & ARCHIVES	
DATE	MAY 25 1960

USCOMM-DC 5087

10543

DESCRIPTIVE REPORT - DATA RECORD

T-10543

Project No. (II): **Ph-171** ✓ Quadrangle Name (IV):

Field Office (II): **Tampa** ✓

Chief of Party: **J. E. Waugh** ✓

Photogrammetric Office (III): **Tampa** ✓

Officer-in-Charge: **A. L. Wardwell** ✓

Instructions dated (II) (III): **8 May 1957** ✓

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): **19 SEP 1958**

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **12 Jan 1960**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927** ✓

Vertical Datum (III): **MLW** ✓

~~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): **STONY 1926** ✓

Lat.: **27°58'56.53" (1740.1 M)** ✓

Long.: **82°36'14.98" (409.4 M)** ✓

Adjusted

~~horizontal~~

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.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

SHORELINE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II):

George E. Varnadoe
W. M. Reynolds

Date: **Oct. 1957**

Planetable contouring by (II):

Inapplicable

Date:

Completion Surveys by (II):

Inapplicable

Date:

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation**
Oct. 1957

Projection and Grids ruled by (IV): **J. B. Phillips (W.O.)**

Date:

Projection and Grids checked by (IV): **J. B. Phillips (W.O.)**

Date:

Control plotted by (III): **R. R. Wagner**

Date: **4 Nov. 1957**

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

Date: **4 Nov. 1957**

Radial Plot ~~not stereoscopic~~

Date: **19 Nov. 1957**

~~Control checked~~ by (III): **R. R. Wagner**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Inapplicable

Date:

Contours

Manuscript delineated by (III): **E. T. Ogilby**

Date: **May 1958**

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

Date: **May 1958**

Elevations on Manuscript

Date:

checked by (I) (III): **Inapplicable**

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS 9-lens**

Number	Date	Time	Scale	Stage of Tide
55974	7 Apr. 1957	10:31	1:10,000	+ 1.2 MLW
55975	"	10:32	"	" "
56074	16 Apr. 1957	09:04	"	+ 0.5 MLW
56075	"	09:05	"	" "

Predicted
Tide (III)

Reference Station: **Tampa Bay, Fla.**
Subordinate Station: **Safety Harbor, Old Tampa Bay**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	1.4	1.6
--	1.9	2.5

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Date:

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (III): **1**

Shoreline (More than 200 meters to opposite shore) (III): **9**

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

Control Leveling - Miles (II): **Inapplicable**

Number of Triangulation Stations searched for (II): **4**

Recovered: **1**

Identified: **2**

Number of BMs searched for (II): ****3**

Recovered: **3**

Identified: **1**

Number of Recoverable Photo Stations established (III): **1** North of sheet.

Number of Temporary Photo Hydro Stations established (III): **15 14**

Remarks: * **Three stations north of manuscript limits**
Only tidal bench marks were searched for.

**** Station falls just north of sheet.**

SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPTS
T-10342 and T-10343

Subject surveys are two of Shoreline Project FH-171 (27380). The project consists of 27 sheets, which cover the shorelines of Tampa Bay, Old Tampa Bay and Hillsborough Bay in Florida. T-10342 and T-10343 are in the northwest corner of the project, in the vicinity of Safety Harbor.

The project was assigned to the Tampa District Office with instructions of May 1957 for the purpose of providing shoreline maps for the revision of existing nautical charts and shoreline and horizontal control data for immediate use of hydrography. Field inspection and recovery of control was accomplished during 1957, the radial plot and compilation in 1958 from nine-lens photography of April 1957.

The submitted manuscripts are the result of adequately scribed sheets, subject to only minor corrections during Washington Office Review. They will be reproduced directly to obtain permanent file copies.

Cronar film positives at the compilation scale of 1:10,000 and the Descriptive Reports will be registered and filed in the Bureau Archives.

August 1959

FIELD INSPECTION REPORT

SUBMITTED WITH T-10558

COMPILATION REPORT T - 10543PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558

31. DELINEATION

Graphic method. The field inspection was good.

32. CONTROL

Reference Photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is apparent on all the photographs and drainage that should be mapped has been shown.

35. SHORELINE AND ALONGSHORE DETAILS

The field inspector indicated on the photographs all the alongshore details and the mean high water line. There were no low-water or shoal lines. The inspection was adequate.

36. OFFSHORE DETAILS

Only oyster bars were identified on the photographs.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS ✓

Temporary photo-hydro stations were located by graphic methods and listed under Item 49. One recoverable topographic station which falls just outside the neat line is also listed as it appeared to be of use to the hydrographer.

39. JUNCTIONS ✓

Junctions were made with T-10542 to the west, T-10544 to the east; T-10549 to the south is all water and there is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

41. BRIDGES ✓

Reference Field Inspection Report for clearances. ✓

46. COMPARISON WITH EXISTING MAPS ✓

Comparison was made with a film positive of USGS Stereocompilation manuscript, SAFETY HARBOR, FLORIDA, 797009, sheet No. 1, scale 1:10,000 compiled 1955. Only minor discrepancies were noted.

Comparison was made with Coast and Geodetic Survey planimetric maps, T-5822 and T-5825, scale 1:10,000, which were compiled from air photographs taken in Dec. 1939. T-5822 was supplemented by other surveys to April 1941 and T-5825 to August 1941. Only minor discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart No. 587, 9th edition, scale 1:40,000 and revised to 16 Sept. 1957. ✓

It appears that the maps listed in Item 46 were the source of the topography and the same minor differences exist. ✓

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY ✓

None.

ITEMS TO BE CARRIED FORWARD ✓

None.

Approved and Forwarded: ✓

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

Eugene T. Ogilby
Eugene T. Ogilby
Cartographer (Photo)

T-10543.Geographic Names.Booth PointCourtney Campbell ParkwayFlorida (title)Gulf Coast (title)Old Tampa BaySafety Harbor (town)Tampa Bay (title)State 590 (all available recent maps use this number, not 580)State 60

Names approved 11-3-58

L. Heck

49. NOTES FOR THE HYDROGRAPHER

The following is a list of photo-hydro stations:

- 4301 - Center of bridge tenders house, red tile roof. Falls on T-10544.
- 4302 - Southwest corner of bridge.
- 4303 - Center of three palms. Stake with flag driven at base. Palm is along south side of causeway.
- 4304 - Center and southerly of three palms. Stake with flag driven at base. Palm is along south side of causeway.
- 4305 - East palm, just east of two Australian Pine trees. Stake with flag driven at base. Palm is along south side of causeway.
- 4306 - Concrete bulkhead along south side causeway. Bulkhead has riprap in front.
- 4307 - Palm along south side causeway. Palm is just east of Australian Pine tree. Stake with flag driven at base.
- 4308 - Easterly of two palm trees about midway between two Australian Pine trees. Stake with flag driven at base.
- 4309 - Center and tallest of three palm trees. Stake with flag driven at base.
- 4310 - Easterly of 2 palm trees, near west end of concrete bulkhead. Stake with flag driven at base.
- 4311 - Easterly of 2 palms along south side of causeway. Stake with flag driven at base.
- 4312 - Small bush on MHWL. Stake with flag driven beside bush.
- 4313 - South gable picnic shed. First shed east of bridge.
- 4314 - South gable picnic shed. First shed west of bridge.
- 4315 - South gable picnic shed, second shed west of bridge. On the south side of causeway.

There is one recoverable topographic station:

FRY (1941) 1957

50. PHOTOGRAMMETRIC OFFICE REVIEW

T-10543

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

4a Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy R.R.W. 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 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. XX 15. Bridges J.G. 16. Aids to navigation XX 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 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 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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph-1750 T 10543

Time and date of exposure April 16, 1957 0904 Reference station TAMPA BAY, FLA.

Mean range 1.9
Spring range 2.5
Ratio of ranges -----

Date of field inspection Oct 1957 Subordinate station SAFETY HARBOR, OLD TAMPA BAY

	Time		Height feet	Height x Ratio of ranges	Time		Time h. m.
	h.	m.			h.	m.	
High tide	16	06	1.8 +0.5	2.3	14	21	8 06
Low tide	9	51	0.4 0.0	0.4	+1	45	+1 45
Duration of rise or fall	6	15	1.9		16	06	9 51

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	09	51	0.4	Feature bares	56075
Required time	09	04	0.1	Stage of tide above MLW	
Interval	0	47	0.5	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	

COMM-DC-57848

Computed by *W.D.*

Checked by *W.D.*

TIDE COMPARISON

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. PR 17-10543

Time and date of exposure April 7 1957 Reference station TAMPA BAY, FLA. Mean range 1.9
 Date of field inspection Oct 1957 Subordinate station SAFETY HARBOR, OLD TAMPA BAY Spring range 2.5
 Ratio of ranges

	Time		Height feet	Height x Ratio of ranges
	h.	m.		
High tide	20	13	1.5 + 0.5	2.0
Low tide	3	32	-0.8 0.0	-0.8
Duration of rise or fall	16	41		2.8

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	18	28			
Time difference				+1	45
Corrected time at Subordinate station	20	13			

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.					
Time difference				+1	45
Corrected time at Subordinate station	3	32			

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	16	41			
Required time	10	31			
Interval	6	10			
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					

COMM. DC-57848

Computed by E. P. O. Checked by St. R.

14

REVIEW REPORT
SHORELINE MANUSCRIPTS T-10542 and T-10543
August 1959

62. Comparison with Registered Topographic Surveys

T-1409 b	1:20,000	1875
T-4184	1:20,000	1926
T-4185	1:20,000	1926
T-5822	1:10,000	1939
T-5825	1:10,000	1939
T-8380	1:20,000	1942

Minor differences in shoreline and culture exist between the 1942 survey and subject surveys. The surveys of older dates indicate proportionate larger differences. T-10542 and T-10543 are to supersede above-listed registered surveys of identical areas and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

SAFETY HARBOR, FLA., 1:24,000, 1956, U. S. Geological Survey. This topographic quadrangle compares favorably with subject surveys.

64. Comparison with Contemporary Hydrographic Surveys

H-7878	1:10,000	1950
56931	1:20,000	1958 (Blueprint)

There are only a few minor differences in shoreline - not in excess of a seven years time expectation in reference to H-7878. Print 56931 is in good agreement with the southern portions of subject surveys.

65. Comparison with Nautical Charts

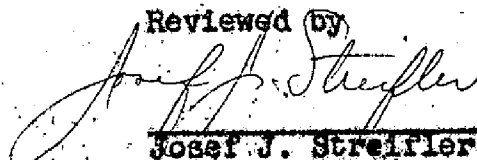
587	1:40,000	Edition of 1958	Revised to 7/6/59
1257	1:80,000	Edition of 1943	Revised to 3/2/59

There is good agreement between these two nautical charts and subject surveys.

66. Adequacy of Results and Future Surveys

Subject surveys have been compiled according to project instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by


Josef J. Streifler

Approved

L. C. Lande
 Chief, Review Section
 Photogrammetry Division

Wm. B. Kelleys
 Chief, Nautical Chart Branch
 Chart Division

L. W. Swanson J. Bowie
 Chief, Photogrammetry Division Chief, Coastal Surveys Division

18 May 68