

# 10546

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-10546**

### LOCALITY

State **FLORIDA**

General locality **GULF COAST - TAMPA BAY**

Locality **HILLSBOROUGH RIVER**

19 58

CHIEF OF PARTY

**Arthur L. Wardwell, Tampa Photo. Office**

LIBRARY & ARCHIVES

DATE **MAY 25 1960**

COMM-DC 61300

# 10546

DESCRIPTIVE REPORT - DATA RECORD

T -10546

Project No. (II): **Ph-171**

Quadrangle Name (IV):

Field Office (II): **Tampa, Florida**

Chief of Party: **J. E. Waugh**

Photogrammetric Office (III): **Tampa, Florida**

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): **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): **TAMPA, SILVER MUNICIPAL W. T. (Henderson Ave. & Jefferson St.) 1934**

Lat.: **27° 57' 34.262" (1054.7 m.)** Long.: **82° 27' 22.779" (622.6 m.)**

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

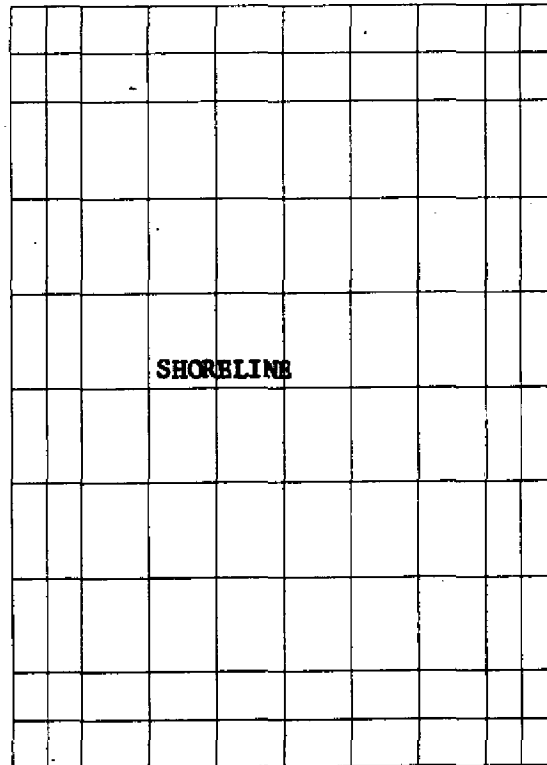
Y=

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.

DESCRIPTIVE REPORT - DATA RECORD



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Field Inspection by (II):

*George E. Varnadue*  
**W. M. Reynolds**

Date: **May-June 1957**

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

Date:

Completion Surveys by (II): **Inapplicable**

Date:

Mean High Water Location (III) (State date and method of location):

**June 1957**  
**Air Photo Compilation**

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

Date: **16 April 1957**

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

Date: "

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

Date: **6 June 1957**

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

Date: **6 June 1957**

Radial Plot ~~or Stereoscopic~~

~~Control extension~~ by (III):

**M. M. Slavney**

Date:

**30 June 1957**

Stereoscopic Instrument compilation (III):

Planimetry

**Inapplicable**

Contours

Date:

Date:

Manuscript delineated by (III):

**I. I. Saperstein**

Date: **Aug. 1957**

Photogrammetric Office Review by (III):

**J. A. Giles**

Date: **Jan. 1958**

Elevations on Manuscript

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
55894	7 Apr. 1957	0943		1:10,000	No predicted tide in
55895	"	0944	"	"	" River
55896	"	0945	"	"	0.4
55921	"	1002	"	"	No predicted tide in
55922	"	1003	"	"	" River
55923	"	1004	"	"	"

Tide (III)  
**PREDICTED**

Reference Station: **Tampa, Fla.**  
Subordinate Station: **Tampa, Hillsboro Bay**  
Subordinate Station:

	Ratio of Ranges	Mean Range	Spring Range
	-	1.4	1.6
H.W.	0.4	1.8	2.4
L.W.	0.0		

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): **15**

Shoreline (More than 200 meters to opposite shore) (III): **15.8 miles**

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

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

Number of Triangulation Stations searched for (II): **55**

Recovered:

**29**

Identified: **4**

Number of BMs searched for (II): **8**

Recovered:

**8**

Identified: **1**

Number of Recoverable Photo Stations established (III): **4**

Number of Temporary Photo Hydro Stations established (III): **36**

Remarks:

**Only tidal bench marks were searched for.**

SUMMARY  
TO ACCOMPANY SHORELINE MANUSCRIPTS  
T-10546 and T-10547

Subject surveys are two of twenty-seven shoreline surveys representing Project PH-171 (27380). The project covers the Tampa Bay of Florida and adjacent land areas. T-10546 and T-10547 are in the northeast corner of the project and extend from West Tampa eastward to Palm River.

The project was designed in support of hydrographic surveys and subsequent revision of nautical charts. The 27 manuscripts were field-inspected, compiled, and scribed during 1957 and 1958 by the Tampa District Office.

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

September 1959

**THE FIELD INSPECTION REPORT**

**IS BOUND WITH T-10558**



COMPILATION REPORT - T-10546PHOTOGRAMMETRIC REPORT SUBMITTED WITH T-1055831. DELINEATION

Compiled by the graphic method.

The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs or delineation of the manuscript.

32. CONTROL

See Photogrammetric Plot Report.

Only those triangulation stations that were used in the plot and those that fell within the limits of delineation plus landmarks have been shown.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

None.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was good. All alongshore features were shown according to the field inspection notes.

The low-water line was delineated according to the field inspection.

36. OFFSHORE DETAILS

All offshore details have been shown. No unusual problems were encountered.



37. LANDMARKS AND AIDS

All landmarks and aids to navigation have been shown. Form's 567 were submitted separately on 1 May 1958.

38. CONTROL FOR FUTURE SURVEYS

Four topographic stations have been recovered and Forms 524 submitted for each.

A list of 56 photo-hydro stations with descriptions for each has been prepared and included under Item 49.

39. JUNCTIONS

T-10547 to the east: no detail junction,  
T-10545 to the west: no detail junction, T-10552 to the south,  
no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with C&GS planimetric maps T-5834, T-5837 and T-5882, scale 1:10,000, edition of 1941.

Comparison has been made with U.S.G.S. map TAMPA FLORIDA, 890709 sheet 1, stereo compiled at 1:10,000 dated 1955.

It is believed a satisfactory tie can be made with the street pattern. However, large differences exist between the compilations along the shoreline of the Hillsborough River. As all the bridges "hold" across the river, it is evident the error is not due to any differences between the plots, but differences in interpretation of the shoreline.

A number of streets were delineated on the U.S.G.S. manuscript from the 1957 photography. These additions are shown in red ink, and only to the limits as shown on charts 587 and 1257.

#  
9

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 587, scale 1:40,000 edition of 14 Aug. 1943 revised 7 Jan. 1957 and Chart 1257, scale 1:80,000 edition of 23 Oct. 1943 revised 1 April 1957.

The planimetric maps listed in Item 46 are evidently the source of topography for the charts and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*I. I. Saperstein*  
I. I. Saperstein  
Carto Photo Aid

Approved and Forwarded:

*Arthur L. Wardwell*  
Arthur L. Wardwell  
Chief of Party

T-10546.

Geographic Names.Adamo DriveAtlantic Coast LineClara Frye Memorial HospitalDavis IslandsFlorida

(title)

Garrison ChannelGulf Coast

(title)

Hillsborough River(1958 BGN decision approves long form of name:  
change in title and on feature)Howard W. Blake High SchoolPhillips FieldPlant FieldSeaboard Air LineSeddon ChannelSeddon IslandSparkman ChannelState Fair GroundsTampaTampa Bay

(title)

Tampa General HospitalUniversity of TampaYbor ChannelYbor CityU.S. 92State 60

Names approved 11-3-58

L. Hack

49. NOTES FOR THE HYDROGRAPHER

The following is a list of 56 photo-hydro stations with a description for each and a list of recoverable topographic stations:

- 46-01 Corner rock retaining wall.
- 46-02 End small pier, southerly of two.
- 46-03 End small pier.
- 46-04 Corner rock retaining wall.
- 46-05 Southeast corner boat shed.
- 46-06 Corner L shaped pier.
- 46-07 Corner L shaped pier.
- 46-08 North end Y shaped pier.
- 46-09 End small pier.
- 46-10 End small pier.
- 46-11 End of pier, southerly of 2.
- 46-12 End of small pier.
- 46-13 Center of bridge tender's building.
- 46-14 End of pier.
- 46-15 East gable boat shed.
- 46-16 End of pier.
- 46-17 End of pier, center of three.
- 46-18 Southwest end wreck, white boat.
- 46-19 End of pier, northerly of two.
- 46-20 Pipeline crossing sign, north side of river.
- 46-21 Pipeline cross sign, south side of river.
- 46-22 West end V shaped fender.

- 46-23 East end V shaped fender.✓
- 46-24 Corner concrete bulkhead.✓
- 46-25 Southeast corner sunken barge, northeast side river.✓
- 46-26 Southeast corner sunken barge, west side river.✓
- 46-27 Southeast corner bulkhead, west side river.✓
- 46-28 West gable building, east side river and just south of a cable crossing sign.✓
- 46-29 West gable building, east side river.✓
- 46-30 South gable, most easterly boat shed, west side river.✓
- 46-31 Water tank Antonio Cigar Co., east side river.✓
- 46-32 Corner concrete seawall, east side river, just north of 5 horizontal tanks.✓
- 46-33 End of fence, west side of river, at stadium.✓
- 46-34 WALT Radio Tower, east side river.✓
- 46-35 Peak of roof bridge tender's house (east).✓
- 46-36 Peak of roof bridge tender's house (west).✓
- 46-37 End of walk at seawall, southwest side river.✓
- 46-38 Northerly end pier, southwest side river.✓
- 46-39 Southerly end of pier, southwest side of river.✓
- 46-40 Southerly palm tree, on northeast side river.✓
- 46-41 Peak of roof, bridge tender's house (west).✓
- 46-42 Peak of roof, bridge tender's house (east).✓
- 46-43 Early Times Bottle, Water Tank.✓
- 46-44 Westerly gable boat house, east side river.✓
- 46-45 Easterly gable 2-story white house, west side river.✓
- 46-46 Northeast corner, Tampa Electric Building, west side river.✓
- 46-47 Air conditioning unit on corner of building, east side river.✓

- 46-48 Corner seawall at fence on west side river.
- 46-49 West gable building, east side river.
- 46-50 Peak of roof bridge tender's house (east).
- 46-51 Peak of roof bridge tender's house (west).
- 46-52 Northwest end wharf.
- 46-53 Corner of wharf.
- 46-54 Corner seawall.
- 46-55 End of pier.
- 46-56 End of pier.

Recoverable topographic stations:

- H. R. A. (U.S.E.) (1939) 1957
- H. R. D. (U.S.E.) (1939) 1957
- H. R. E. (U.S.E.) (1939) 1957
- H. R. G. (U.S.E.) (1939) 1957

TAMPA DISTRICT OFFICE  
P O BOX 190, TAMPA 1, FLA.

9 September 1953

To: Chief, Geodesy Division  
Coast and Geodetic Survey  
Washington, D. C.

Subject: Change in name of Triangulation Stations - Tampa Bay, Florida

In accordance with Photogrammetry Instructions No. 6, dated 12/30/46, it is recommended that the names of the following triangulation stations be changed:

Published Name: TAMPA CITY HOSPITAL STACK 1934  
Recommended Name: TAMPA GENERAL HOSPITAL STACK 1934

Published Name: TAMPA BAY HOTEL, SOUTHERLY SPIRE 1934  
Recommended Name: UNIVERSITY OF TAMPA, SOUTHERLY SPIRE, 1934

Published Name: TAMPA BAY HOTEL, NORTH TOWER, 1908  
Recommended Name: UNIVERSITY OF TAMPA, NORTH TOWER, 1908

The recommended names will appear on Form 326, recovery notes for Project Ph-171 Tampa Bay and Shoreline Survey T-10546.

Arthur L. Wardwell  
CDR, CGS  
Tampa District Officer

R/e

cc: Chief, Photogrammetry Div.



50.

# PHOTOGRAMMETRIC OFFICE REVIEW

T. 10546

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

4a. Classification Unclassified

## CONTROL STATIONS

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

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features JG

## CULTURAL FEATURES

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

## BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

## MISCELLANEOUS

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

40. Jesse A. Giles William A. Rasure  
Jesse A. Giles Reviewer Supervisor, Review Section or Unit  
William A. Rasure

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:







REVIEW REPORT OF  
SHORELINE MANUSCRIPTS T-10546 and T-10547

September 1959

62. Comparison with Registered Topographic Surveys

T-1409a	1:20,000	1875
T-1411b	1:20,000	1875
T-4202	1:20,000	1926
T-5834	1:10,000	1926
T-5835	1:10,000	1926
T-5837	1:10,000	1926
T-8382	1:20,000	1942

These surveys agree with subject manuscripts as well as could be expected under consideration of time interval. Only minor differences exist between survey of 1942 and subject manuscripts. T-10546 and T-10547 are to supersede above-listed registered surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

TAMPA, FLA., 1:24,000, 1956, U.S. Geological Survey. There is good agreement, throughout, between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

H-8379	1:10,000	1957
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Shoreline and control of subject survey was furnished for this hydrographic survey in 1957 and apparently, no differences were found or applied to H-8379.

65. Comparison with Nautical Charts

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

A notable difference exists in shoreline along the northern limits of McKay Bay. This difference is readily apparent on Chart 587 and it is recommended, that this change be considered for application whenever practicable. There is good agreement otherwise between these surveys.

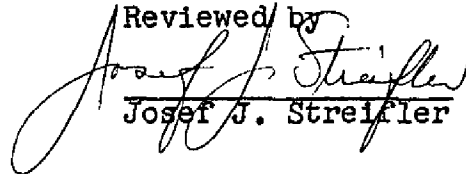
*Does not fall on 10546  
Falls on 10547*

- 2 -

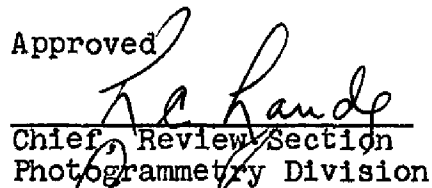
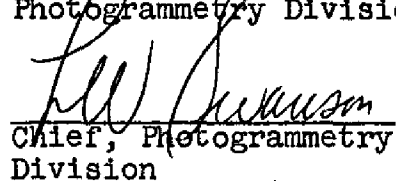
66. Adequacy of Results and Future Surveys

These surveys were constructed according to project instructions and are within the requirements for adequacy and accuracy.

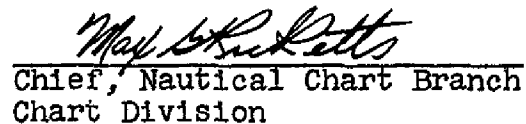
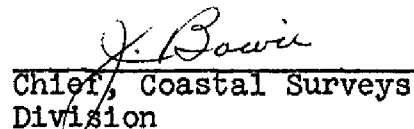
Reviewed by

  
Josef J. Streifler

Approved

  
Chief, Review Section  
Photogrammetry Division  
Chief, Photogrammetry  
Division

18 May 60

  
Chief, Nautical Chart Branch  
Chart Division  
Chief, Coastal Surveys  
Division