

10547

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-10547
LOCALITY	
State	FLORIDA
General locality	TAMPA BAY
Locality	McKAY BAY
19 58	
CHIEF OF PARTY	
A. L. Wardwell, Tampa Photo Office	
LIBRARY & ARCHIVES MAY 25 1960	
DATE	

USCOMM-DC 5087

10547

DESCRIPTIVE REPORT - DATA RECORD

T - 10547^v

Project No. (II): Ph 171^v

Quadrangle Name (IV):

Field Office (II): Tampa Photo Office^v

Chief of Party: J. E. Waugh^v

Photogrammetric Office (III): Tampa Photo Office^v

Officer-in-Charge: A. L. Wardwell^v

Instructions dated (II) (III): 8 May 1957^v

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic^v

Manuscript Scale (III): 1:10,000^v

Stereoscopic Plotting Instrument Scale (III): Inapplicable^v

Scale Factor (III): None^v

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^v

Vertical Datum (III): MLLW^v

~~MLLW~~ 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): ADAMO 1957^v

Lat.: 27°57'13.564" (41 7.5m)^v

Long.: 82°25'00.486" (13.3m)^v

~~Adjusted~~
Unadjusted

Plane Coordinates (IV):

State:

Zone:

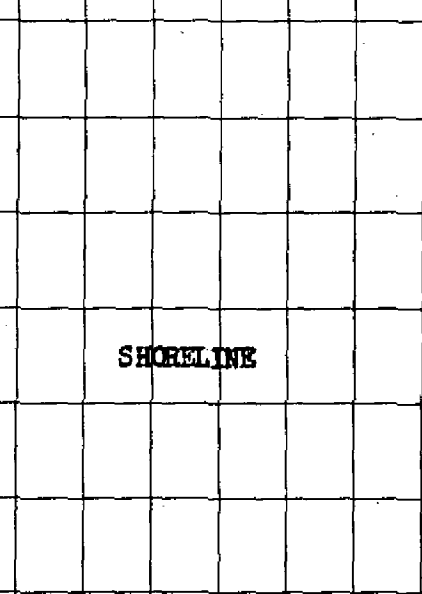
Y=

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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



SHORELINE

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): *George E. Varnadoe*
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): **Air photo compilation** ✓
June 1957

Projection and Grids ruled by (IV): **J. B. Phillips (W.O.)** Date: **16 April 1957** ✓

Projection and Grids checked by (IV): **W. H. Wolfe (W.O.)** Date: **16 April 1957** ✓

Control plotted by (III): **R. R. Wagner** Date: **7 June 1957** ✓

Control checked by (III): **I. I. Saperstein** Date: **7 July 1957** ✓

Radial Plot ~~contouring~~ Date: **30 June 1957** ✓
~~contouring~~ by (III): **M. M. Slavney**

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

Manuscript delineated by (III): **R. R. Wagner** ✓ Date: **July 1957** ✓

Photogrammetric Office Review by (III): **J. A. Giles** ✓ Date: **August 1957** ✓

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

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55865	7 April 1957	9:21	1:10,000	0.2
55866	"	9:22	"	"
55867	"	9:23	"	"
55889	"	9:38	"	"
55890	"	9:39	"	"

Predicted
Tide (III)

Reference Station: **TAMPA BAY**
Subordinate Station: **TAMPA - Hillsboro Bay**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	1.4	1.6
--	1.8	2.4

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): **14**
Shoreline (More than 200 meters to opposite shore) (III): **3**

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

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): **13**

Recovered: **2**

Identified: **0**

Number of BMs searched for (II): **0**

Recovered: **0**

Identified: **0**

Number of Recoverable Photo Stations established (III): **None**

Number of Temporary Photo Hydro Stations established (III): **None***

Remarks: **Six triangulation stations were established and two were identified.**

* **Hydro stations were located by planetable.**

5

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-10547PHOTOGRAMMETRIC PLOT REPORT

To be submitted with T-10558.

31. DELINEATION

The graphic method was used.

The photographs were of fair scale.

The field inspection was good.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. The drainage was from photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was good. The low-water lines are based on field notes.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

There are no aids.

Form 567 for landmarks was submitted to Washington Office on 1 May 1958.

38. CONTROL FOR FUTURE SURVEY ✓

All hydro stations were located by planetable and their positions furnished to the hydrographic party.

There are no recoverable topographic stations.

39. JUNCTIONS ✓

Junctions were made with T-10546 to the west and T-10553 to the south. There are no contemporary surveys to the north and east.

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Chart 586, scale 1:40,000, dated 1st Ed. Mar. 1928 corrected to 11 June 1956.

The maps listed in Item 46 appear to be the source of topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.



R. R. Wagner
Cartographer (Photogrammetry)

Approved and Forwarded:



Arthur L. Wardwell
Chief of Party

T-10547.

Geographic Names.

Adamo Drive

Atlantic Coast Line

(Tampa Southern not listed in current Railway Guide)

Florida

(title)

Gulf Coast

(title)

McKay Bay

Palm River

Seaboard Air Line

Tampa

Tampa Bay

(title)

U.S. 41

State 60

Names approved 11-3-58

L. Heck

49. NOTES FOR THE HYDROGRAPHER

All temporary hydro stations were located by planetable and their positions furnished to the hydrographic party.

There are no recoverable topographic stations.

11 12

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T. 10547

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

CONTROL STATIONS 4a Classification label unclassified

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) XXX 7. Photo hydro stations XXX 8. Bench marks XXX 9. Plotting of sextant fixes XXX 10. Photogrammetric plot report R.R.W. 11. Detail points J.A.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads J.A.G. 28. Buildings J.A.G. 29. Railroads J.A.G. 30. Other cultural features J.A.G.

BOUNDARIES

31. Boundary lines XXX 32. Public land lines XXX

MISCELLANEOUS

33. Geographic names J.A.G. 34. Junctions J.A.G. 35. Legibility of the manuscript J.A.G. 36. Discrepancy overlay XXX 37. Descriptive Report J.A.G. 38. Field inspection photographs J.A.G. 39. Forms J.A.G.

40. Jesse A. Giles Jesse A. Giles William A. Basore
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:

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
--------	----------	------

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.

- 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
Josef J. Streifler

Approved

L. C. Lande
Chief, Review Section
Photogrammetry Division

P. W. Sevenson
Chief, Photogrammetry
Division

18 May 60

Max B. Kitts
Chief, Nautical Chart Branch
Chart Division

J. Bower
Chief, Coastal Surveys
Division