

10551

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. Ph-171 Office No. T-10551

LOCALITY

State FLORIDA

General locality OLD TAMPA BAY

Locality GANDY BRIDGE
TO

CULBREATH BAYOU

19 58

CHIEF OF PARTY

A. L. Wardwell, Tampa Photo Office

LIBRARY & ARCHIVES

MAY 25 1960

DATE

COMM-DC 61300

10551

DESCRIPTIVE REPORT - DATA RECORD

T -10551

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

Field Office (II): Tampa, Fla.

Chief of Party: J. E. Waugh

Photogrammetric Office (III): Tampa, Fla.

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): OCT 7 1958

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 14 Jan 1960

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.H.W.

~~Mean low water~~ 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): GANDY 1926

Lat.: $27^{\circ}53'16.059''$ (494.3 m)

Long.: $82^{\circ}33'06.407''$ (175.2 m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

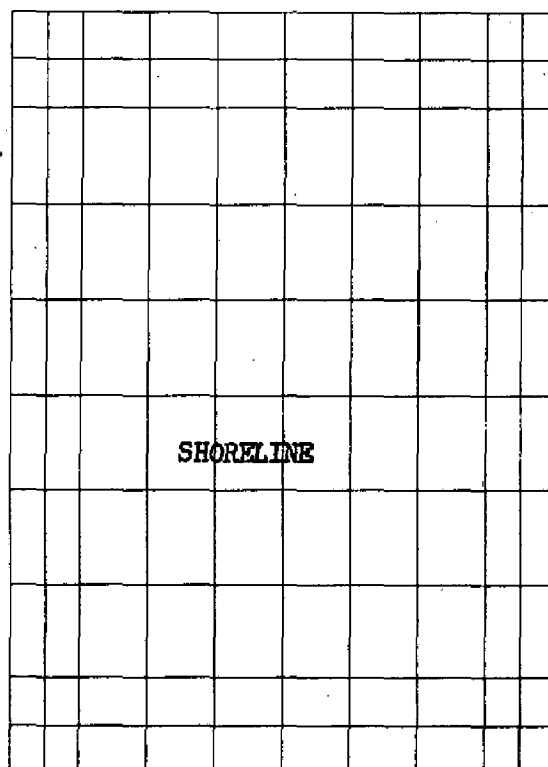
X=

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**
I. I. Saperstein

Date: **July-August 1957**
September -October 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.E.P.**

Date: **4 June 1957**

Projection and Grids checked by (IV): **J.E.P.**

Date: **4 June 1957**

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

Date: **10 June 1957**

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

Date: **10 June 1957**

Radial Plot or Stereoscopic

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

Date: **27 Nov. 1957**

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

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

Date: **March 1958**

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

Date: **May 1958**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): 9 lens Camera and Wild single-len camera "1"

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PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56015	16 Apr. 1957	08:25	1:10,000	0.7
56016	"	08:26	"	"
56017	"	08:26	"	"
57L 1590	"	10:33	"	0.5
" 1591	"	10:33	"	"
" 1592	"	10:34	"	"
" 1593	"	10:34	"	"

Predicted
Tide (III)

Reference Station: Tampa Bay
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): 9
Shoreline (More than 200 meters to opposite shore) (III): 2

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 8

Recovered: 2

Identified: 2

Number of BMs searched for (II): 3

Recovered: 1

Identified: 0

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): 37

Remarks: Only tidal bench marks were searched for.

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SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPTS
T-10550 and T-10551

Subject surveys are two of twenty-seven shoreline manuscripts representing Project FH-171 (27380). The project covers nearly all of Tampa Bay and Old Tampa Bay, the entire Hillsborough Bay and all adjoining land areas. The specific area covered by subject surveys (2) is directly north and northwest of Gandy Bridge.

The project was assigned to the Tampa District Office with instructions of May 1957. It was initiated to assist in hydrographic surveys of 1958 and the subsequent revision of nautical charts. Under the direction of the Tampa District Office the field inspection and recovery of control was accomplished during 1957, the radial plot and compilation - based on nine-lens photography of April 1957 - during 1958.

The manuscripts submitted for final Washington Office Review and subsequent reproduction of registration copies are the result of adequately scribed sheets, subject to minor corrections and additions during Review.

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

FIELD INSPECTION REPORT

Submitted with T-10558 ✓

COMPILATION REPORT

T-10551

PHOTOGRAMMETRIC PLOT REPORT

To be submitted with T-10558

31. DELINEATION

Compiled graphically.

The scale of the photographs was poor.

The field inspection was good.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

The shoreline of a small area just south of the east end of Gandy Bridge was located by planetable. See accompanying sketch inked on vinylite.

The State Road Department furnished two plans for the fill and bridge(now under construction) which will cross Old Tampa Bay. These plans were used and forwarded to the Washington Office, Nautical Branch on 17 June 1958.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage has been delineated according to field notes.

35. SHORELINE AND ALONGSHORE DETAIL

Shoreline inspection was adequate.

Low-water and Shoal lines were based on field inspection.

36. OFFSHORE DETAIL

No statement.

37. LANDMARKS AND AIDS

The field inspector located several privately maintained Daybeacons which were numbered along the Tampa Bay Marina Channel. Their positions were submitted on Form 567 to the Washington Office on 1 May 1958. Since that date, the numbers have been torn off and will not be replaced. After completion of the Mid-Bay bridge, it is probable this channel will be changed and may not be marked at all; therefore, it is recommended that these aids be shown as channel markers only except for the Entrance Light.

38. CONTROL FOR FUTURE SURVEYS

All photo-hydro and topographic stations are listed under Item 49.

Photo-hydro stations 5135 and 5136 submitted with the data for this sheet fall on T-10545.

39. JUNCTIONS

Junctions were made with T-10550 to the west, T-10552 to the east, T-10545 to the north and T-10555 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5835 scale 1:10,000 dated 1941 and USGS Quadrangle GANDY BRIDGE, FLA. scale 1:24,000 dated 1956. They are in fair agreement with the map manuscript.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Nautical Chart 587 TAMPA BAY, NORTHERN PART, scale 1:40,000 dated 16 Sept. 1957 corrected to 16 Nov. 1957. They are in fair agreement.


The C&GS map under Item 46 appears to be the source of topography for the chart and the same differences exist.

ITEMS TO APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


R. R. Wagner
Cartographer (Photo)

Approved and Forwarded:


Arthur L. Wardwell

Chief of Party

T-10551.

Geographic Names.Oulbreath BayouFlorida

(title)

Gandy BoulevardGandy BridgeGulf Coast

(title)

Gun BranchInterbay PeninsulaJohn BranchMile HammockOld Tampa BayRattlesnake

(village)

Sunset BeachTampa Bay

(title)

West Shore BoulevardU.S. 92

Names approved 11-3-58.

W. Heck

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

POST-OFFICE ADDRESS:

Tampa District Office
P. O. Box 190 Tampa Florida

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

2 September 1958

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

Subject: Revision of Aids to Navigation - Tampa Bay- Florida

On 1 May 1958 this office submitted Form 567 for Aids in Tampa Bay. Aids for the channels at Tampa Bay Marina were listed on Pages 13, 14, and 15.

Since the above date the Aids marking the channels have deteriorated in that all pointers with numbers have been knocked off and will not be replaced. According to the owners of Tampa Bay Marina, the Aids will be maintained only as channel markers (not numbered Daybeacons) until the new Mid-Bay Bridge is completed. Then the channel will probably be re-aligned and widened.

It is our recommendation that other than the Entrance Light, all Aids for the channels be shown as channel markers. An aerial print of Surveys No. T-10545 and T-10551 showing the location of the Light and Channel markers is enclosed.

Arthur L. Wardwell
CEN, CAGS
Tampa District Officer

William A. Rasure
By direction of the District Officer

Encl.
cc: Chief, Photo Div.
WAR/v



150 YEARS OF SERVICE
1807 - 1957

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25, D. C.

IN REPLY ADDRESS THE DIRECTOR
COAST AND GEODETIC SURVEY
AND NOT THE DRESSER OF THIS LETTER

AND REFER TO NO.

873-68

CL-238/58

17 September 1958

To

Tampa District Officer
Coast and Geodetic Survey
P.O. Box 190
Tampa, Florida

Subject Tampa Bay Marina Channels, aids to navigation

The condition of subject aids to navigation
reported in your letter of 2 September 1958 has been
called to the attention of the Coast Guard Washington
Office.

These aids were authorized by the Coast Guard
and will remain as charted pending a decision from them.

Charles E. ...
Assistant Director

49. NOTES FOR THE HYDROGRAPHER

Photo-hydro Stations.

(Note A: Marked with white painted stake with flag.)

- 5101- Southern tip of mangrove bush. Note A.
- 5102- Southern tip of detached mangrove bush. Note A.
- 5103- West gable of large building in boat basin.
- 5104- West tip of detached mangrove clump. Note A.
- 5105- Stake with "U. S. Govt." painted on. Flagged. *Destroyed 6 Jan 58*
- 5106- The most easterly pile in row of 14 piling and dolphins.
- 5107- Corner of concrete bulkhead.
- 5108- West gable large boat shed.
- 5109- End of pier.
- 5110- End concrete bulkhead west side boat ramp.
- 5111- Corner concrete bulkhead just south of south bridge.
- 5112- South end concrete bulkhead north of north bridge.
- 5113- Center of most westerly pile of concrete slabs.
- 5114- Center of pile of concrete slabs, highest of several.
- 5115- Top of seawall opposite brace, brace is westerly of two.
- 5116- Northwest corner boat shed, south side slip.
- 5117- Easterly end of concrete slab. There are 4 slabs just north of the single one.
- 5118- Corner concrete bulkhead.
- 5119- Small detached mangrove bush most northerly of group. Note A
- 5120- Small, lone, detached mangrove bush surrounded by grass in water. Note A
- 5121- Northwest corner boat shed.
- 5122- Corner concrete bulkhead at inshore end of concrete groin.
- 5123- End of Pier.

- 5124- Corner white concrete block fence.
- 5125- Corner L shaped pier.
- 5126- Southwest corner boat shed.
- 5127- White chimney on house with white tile roof.
- 5128- Northwest corner wooden pier.
- 5129- Southwest corner concrete bulkhead.
- 5130- Corner concrete bulkhead on east side of fifth slip from west end.
- 5131- Small mangrove bush on oyster bar, Note A.
- 5132- Small mangrove bush on oyster bar. Note A.
- 5133- Southwest gable green boat-house.
- 5134- Southwest corner pier.
- 5135- Shore end white cement block fence.
- 5136- Corner L shaped pier.
- 5137- End dolphin at northwest end of row of 14, first line south of Gandy Bridge.
- 5138- End pile at southeast end of row of 14, first line south of Gandy Bridge.
- 5139- End dolphin at northwest end of row of 14, second row south of Gandy Bridge.

Topographic Stations:

BOB (1941) 1957

ERA (1941) 1957

CORN 1957

PHOTOGRAMMETRIC OFFICE REVIEW

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T- 10551

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 XX
9. Plotting of sextant fixes J.G. 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 J.G. 17. Landmarks J.G. 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 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 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:

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REVIEW REPORT OF
SHORELINE MANUSCRIPTS T-10550 and T-10551
September 1959

62. Comparison with Registered Topographic Surveys

T-1409a	1:20,000	1875
T-4185	1:20,000	1926
T-5828	1:10,000	1939
T-5835	1:10,000	1939
T-8381	1:20,000	1942

There are considerable differences between these surveys. Changes in shoreline and culture have been extensive even after the 1942 survey. Subject surveys are to supersede above-listed topographic surveys for nautical charting purposes of common area and detailing.

63. Comparison with Maps of Other Agencies

GANDY BRIDGE, FLA., 1:24,000, 1956, U.S. Geological Survey. Some differences exist between these surveys along the east shore of Old Tampa Bay. Dredging and filling operations have altered the shoreline noticeably.

64. Comparison with Contemporary Hydrographic Surveys

56931	1:20,000	1958 (Blueprint)
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Subject surveys preceded this hydrographic survey. Shoreline and control as furnished does not indicate any changes.

65. Comparison with Nautical Charts

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

Recent shoreline changes directly north and south of the east end of Gandy Bridge - as shown on subject surveys - have not been applied to these nautical charts and early consideration of this application is recommended.

66. Adequacy of Results and Future Surveys

T-10550 and T-10551 have been compiled according to project instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved by

L. C. Lande
Chief, Review Section
Photogrammetry Division

Max H. Keltz
Chief, Nautical Chart Branch
Chart Division

W. W. Swanson
Chief, Photogrammetry
Division

J. Bowie
Chief, Coastal Surveys
Division

17 May 60