

10556

ORIGINAL

Diag. Cht. No. 1257-3.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINEField No. Ph-171 Office No. T-10556

LOCALITY

State FLORIDAGeneral locality HILLSBORO BAYLocality GADSDEN POINT1958

CHIEF OF PARTY

Arthur L. Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

MAY 25 1960

DATE

USCOMM-DC 5087

10556

DESCRIPTIVE REPORT - DATA RECORD

T - 10556 ✓

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: Arthur 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):

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): 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): FISH, 1934 ✓

Lat.: 27°50'41.896" (1289.6m.) ✓ Long.: 82°28'13.820" (378.1m.) ✓

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.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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SHORELINE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds✓

Date: August 1957✓

Planetable contouring by (II): Inapplicable✓

Date:

Completion Surveys by (II): Inapplicable✓

Date:

Mean High Water Location (III) (State date and method of location): August 1957✓

Air Photo Compilation

Spoil areas along east side of ship channel located by planetable May 1958.✓

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

Date: April 1957✓

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

Date: April 1957✓

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

Date: June 1957✓

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

Date: June 1957✓

Radial Plot or Stereoscopic R. J. Pate✓
Control extension by (III): R. R. Wagner✓

Date: Aug. 1957✓

Stereoscopic Instrument compilation (III):
Planimetry Inapplicable✓
Contours

Date:

Date:

Manuscript delineated by (III): W. H. Shearouse✓

Date: Dec. 1957

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

Date: May 1958✓

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

| Number | Date | PHOTOGRAPHS (III) | | Scale | Stage of Tide |
|--------|--------|-------------------|--|----------|---------------|
| | | Time | | | |
| 55900 | 4/7/57 | 0947 | | 1:10,000 | +0.3 |
| 55901 | 4/7/57 | 0948 | | " | " |
| 55916 | 4/7/57 | 0959 | | " | " |
| 55917 | 4/7/57 | 1000 | | " | " |
| 55918 | 4/7/57 | 1000 | | " | " |

Predicted

Tide (III)

Reference Station: TAMPA BAY
Subordinate Station: NONE
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| - | 1.4 | 1.6 |
| | | |
| | | |

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): 6

Shoreline (More than 200 meters to opposite shore) (III): 6

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): *12

Recovered: 8

Identified: 2

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

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 6

Remarks:

* One station established

** Only tidal bench marks were searched for

SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPTS
T-10556 and T-10557

These are two of twenty-seven T-sheets representing Project PH-171 (27380). It is located in the State of Florida and covers the Tampa Bay area. Subject surveys extend from MacDill Air Force Base eastward to the town of Gibsonton on the Alafia River.

T-10556 and T-10557 were compiled graphically in 1957 and 1958 at the Tampa District Office, based on nine-lens photography of April 1957 and Field Inspection of July-August 1957. Advanced shoreline information and control was made available in support of hydrographic surveys.

The manuscripts in final form are the result of adequate scribing and suitable for direct reproduction of permanent file copy.

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

October 1959

6x

FIELD INSPECTION REPORT

SUBMITTED WITH T-10558 ✓

COMPILATION REPORT T-10556 ✓

PHOTOGRAMMETRIC PLOT REPORT ✓

Submitted with T-10558. ✓

31. DELINEATION ✓

The graphic method was used. Photographic coverage was adequate. Field inspection was very good. ✓

32. CONTROL ✓

Refer to Photogrammetric Plot Report. ✓

33. SUPPLEMENTAL DATA ✓

None. ✓

34. CONTOURS AND DRAINAGE ✓

Contours inapplicable. Drainage was delineated in accordance with field inspection notes. ✓

35. SHORELINE AND ALONGSHORE DETAILS ✓

Field inspection of these features was adequate. Delineation was accomplished without difficulty. Low-water lines were furnished by the field inspector. There were no shoal lines. Spoil areas east side of ship channel were located by planetable in May 1958. ✓

36. OFFSHORE DETAILS ✓

Delineated in accordance with field inspection. Shallow areas were delineated from photographic interpretation. ✓

37. LANDMARKS AND AIDS ✓

Form 567 submitted to Washington Office on 1 May 1958. ✓

38. CONTROL FOR FUTURE SURVEYS ✓

One recoverable topographic station was established and has been listed under Item 49. ✓ Six temporary photo-hydro stations are also included. The rest of the signals were located by planetable TFU-D-57, the signals being built at the time of the survey. ✓

39. JUNCTIONS ✓

Map T-10552 is to the north and T-10555 is to the west. The junctions are in agreement. There is no contemporary survey to the south. On the east lies Map T-10557 but the junction is all water area. ✓

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement. ✓

46. COMPARISON WITH EXISTING MAPS ✓

Comparison was made with C&GS planimetric map T-5836, 1:10,000 scale, compiled from aerial photographs of December 1939 and supplemented by other surveys to September 1941. Only minor discrepancies were noted.

U.S.G.S. GADSDEN POINT 320109, Sheet 1, compilation was also used for comparison. The U.S.G.S. furnished a film positive of the 1955 compilation at 1:10,000 scale. Small differences were detected but little or no difficulty should be experienced in joining interior features taken from the G.S. compilation by the Nautical Chart Branch. ✓

47. COMPARISON WITH NAUTICAL CHARTS ✓

Nautical Chart No. 587 was used for comparison. It is a 1:40,000 scale chart, edition of March 1928 and revised 16 September 1957 with additional corrections through Notice to Mariners to 16 November 1957. Visual comparison indicates very few and only minor differences.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY ✓

None.

ITEMS TO BE CARRIED FORWARD

None

William H. Shearouse
William H. Shearouse
Cartographer (Photo)

APPROVED AND FORWARDED

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

T-10556.Geographic Names.Broad CreekCatfish PointFlorida

(title)

Gadsden PointGulf Coast

(title)

Hillsborough Bay

(1958 BGN decision approved the long form for all features with this name in the Tampa Bay area. Charts and Light List will be gradually brought into agreement)

Interbay PeninsulaMacDill Air Force BaseTampa Bay

(feature and title)

Names approved 11-5-58

L. Hack

49. NOTES FOR THE HYDROGRAPHER ✓

Following are listed hydrographic signals and one topographic station which will be of use to the hydrographer: ✓

- 56-01 - Detached clump of mangrove. Stake with flag also limbs cut in area. ✓
- 56-02 - Detached clump of mangrove. Stake with flag also limbs cut in area. ✓
- 56-03 - Detached clump of mangrove. Stake with flag also limbs cut in area. ✓
- 56-04 - End of chain link fence on west side of channel to old hospital of MacDill Field. ✓
- 56-05 - End of chain link fence on east side of channel to old hospital of MacDill Field. ✓
- 56-06 - Detached clump of mangrove. Stake with flag also limbs cut in area.

RUT (1941) 1957 ✓

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10556 ✓

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

CONTROL STATIONS

Unclassified
1a. Classification label

5. Horizontal control stations of third-order or higher accuracy RRW 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG 7. Photo hydro stations JG 8. Bench marks XX
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 XX 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 XX 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
Reviewer Supervisor, Review Section or Unit
Jesse A. Giles 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:

TIDE COMPARISON

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. PH-171 T-10556

0959 hrs.

Time and date of exposure 7 April 1957

Reference station Tampa Bay

Subordinate station Same

Mean range 1.4

Date of field inspection

Ratio of ranges

Time

h.

m.

| Time | h. | m. |
|--------------------------|----|----|
| High tide | 10 | 28 |
| Low tide | 1 | 47 |
| Duration of rise or fall | 16 | 41 |

| Height | Height x Ratio of ranges |
|---------------|--------------------------|
| High tide | 1.5 |
| Low tide | -0.8 |
| Range of tide | 2.3 |

| High tide at Ref. Sta. | Time |
|---------------------------------------|-------------|
| Time difference | h. 18 m. 28 |
| Corrected time at Subordinate station | — |

| Low tide at Ref. Sta. | Time |
|---------------------------------------|------------|
| Time difference | h. 1 m. 47 |
| Corrected time at Subordinate station | — |

| Time H. T. or L. T. | h. | m. | Height | Height x Ratio of ranges | feet | Feature | Photo. No. |
|--------------------------------|----|----|-------------------------------|--------------------------|------|-------------------------|------------|
| Time H. T. or L. T. | 1 | 47 | Ht. H. T. or L. T. | | -0.8 | Feature bares | |
| Required time | 9 | 59 | Tabular correction | | +1.1 | Stage of tide above MLW | |
| Interval | 8 | 12 | Stage of tide above MLW | | +0.3 | Feature above MLW | |
| Time H. T. or L. T. | | | Ht. H. T. or L. T. | | | Feature bares | |
| Required time | | | Tabular correction | | | Stage of tide above MLW | |
| Interval | | | Stage of tide above MLW | | | Feature above MLW | |
| Time H. T. or L. T. | | | Ht. H. T. or L. T. | | | Feature bares | |
| Required time | | | Tabular correction | | | Stage of tide above MLW | |
| Interval | | | Stage of tide above MLW | | | Feature above MLW | |
| Time H. T. or L. T. | | | Ht. H. T. or L. T. | | | Feature bares | |
| Required time | | | Tabular correction | | | Stage of tide above MLW | |
| Interval | | | Stage of tide above MLW | | | Feature above MLW | |
| Time H. T. or L. T. | | | Ht. H. T. or L. T. | | | Feature bares | |
| Required time | | | Tabular correction | | | Stage of tide above MLW | |
| Interval | | | Stage of tide above MLW | | | Feature above MLW | |

Computed by M. H. S. Checked by L. S.

REVIEW REPORT OF
SHORELINE MANUSCRIPTS T-10556 and T-10557
October 1959

62. Comparison with Registered Topographic Surveys

| | | |
|---------|------------------------|------|
| T-1408a | 1:20,000 | 1875 |
| T-1411a | 1:20,000 | 1876 |
| T-4201 | 1:10,000 & 1:20,000 | 1926 |
| T-4202 | 1:20,000 | 1926 |
| T-5836 | 1:10,000 | 1939 |
| T-5838 | 1:10,000 | 1939 |
| T-8385 | 1:20,000 | 1942 |

Subject area has undergone many changes over these many years and is likely to be subject to further changes in the future. These two shoreline manuscripts are to supersede above-listed registered surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

GIBSONTON, FLA., 1:24,000, 1956, U. S. Geological Survey. There are minor changes throughout. The most prominent difference is the presence of a chain of islands on the later surveys, which extends from Hooker Point in a southerly direction. These islands appear to be the result of deposits from dredging operations of the Hillsborough Channel.

64. Comparison with Contemporary Hydrographic Surveys

| | | |
|--------|----------|---------|
| H-8380 | 1:10,000 | 1957 |
| H-8411 | 1:10,000 | 1957-58 |

Shoreline and control for these hydrographic surveys was furnished from subject shoreline manuscripts and no changes were applied.

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

- 2 -

65. Comparison with Nautical Charts continued

A chain of islands east of Hillsborough Channel (as described in Item #63) represents a recent change and does not appear on above-listed nautical charts. This and minor shoreline changes may be obtained from hydrographic surveys listed under Item #64.

66. Adequacy of Results and Future Surveys

Subject map manuscripts have been completed according to project instructions and meet the requirements of adequacy and accuracy.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved by

R. C. Lande
Chief, Review Section
Photogrammetry Division

P. W. Swanson
Chief, Photogrammetry
Division

18 May 60

Max Whitto
Chief, Nautical Chart Branch
Chart Division

J. Bowie
Chief, Coastal Surveys
Division