# Descriptive Report

**Type of Survey:** SHORELINE

**Field No.:** Ph-171  
**Office No.:** T-10556

**Locality**

- **State:** FLORIDA
- **General locality:** HILLSBORO BAY
- **Locality:** GADSDEN POINT

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**1958**

**Chief of Party**

Arthur L. Wardwell, Tampa Photo Office

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**Library & Archives**

**Date:** MAY 25, 1960
DESCRIPTIVE REPORT - DATA RECORD

T = 10556

Project No. (II): Ph-171

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): Oct 7 1958

Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 14 Jan 1960

Publication Scale (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): MHW

Elevations shown as (HS) refer to mean high water
Elevations shown as (LL) 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):

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.
Areas contoured by various personnel
(Show name within area)
(I) (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
Control extension by (III): R. J. Pate
R. R. Wagner
Date: Aug. 1957

Stereoscopic Instrument compilation (III): Inapplicable
Contours
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 checked by (II) (III): Inapplicable
Date:
DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
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<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
<td>55917</td>
<td>4/7/57</td>
<td>1000</td>
<td>&quot;</td>
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<tr>
<td>55918</td>
<td>4/7/57</td>
<td>1000</td>
<td>&quot;</td>
<td>&quot;</td>
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</tbody>
</table>

Predicted Tide (III)

Reference Station: TAMPA BAY
Subordinate Station: NONE

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

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): None

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
FIELD INSPECTION REPORT

SUBMITTED WITH T-10556
COMPILATION REPORT T-10556

PHOTOGRAVMETRIC PLOT REPORT

Submitted with T-10558.

31. DcLINEATION

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 TPU-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
Cartographer (Photo)

APPROVED AND forwarded

Arthur L. Wardwell
Chief of Party
T-10556

Geographic Names.

Broad Creek

Catfish Point

Florida

Gadsden Point

Gulf Coast

Hillsborough Bay

(Title)

Interbay Peninsula

MacDill Air Force Base

Tampa Bay

(feature and title)

(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)

Names approved 11-5-58

[Signature]
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
PHOTOGRAMMETRIC OFFICE REVIEW


CONTROL STATIONS  (Unclassified)

ALONGSHORE AREAS  (Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines  XX  32. Public land lines  XX

MISCELLANEOUS

Reviewer  Jesse A. Giles

Supervisor, Review Section or Unit  William A. Rasure

40. 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 COMPOSITION

**Time and date of exposure:** 7 April 1937  
**Reference station:** Tampa Bay  
**Mean range:** 1.4

<table>
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<tr>
<th>Date of field inspection:</th>
<th>Subordinate station:</th>
<th>Ratio of ranges</th>
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<th>Height</th>
<th>Height x Ratio of ranges</th>
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<td>High tide</td>
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<td>1.5</td>
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<td>Low tide</td>
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<td>-0.8</td>
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<table>
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<th>Duration of rise or fall</th>
<th>Range of tide</th>
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<td>1.6</td>
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<th>Height x Ratio of ranges</th>
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<td>High tide at Ref. Sta.</td>
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<td>1.5</td>
</tr>
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<td>Time difference</td>
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<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
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<tbody>
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<tr>
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<td>+0.3</td>
<td>Stage of tide above MLW</td>
<td>Feature bares</td>
</tr>
<tr>
<td>Interval</td>
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<td>+0.3</td>
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<td>Feature bares</td>
</tr>
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**Computed by:** W. H. S  
**Checked by:** U. S
62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>T-1408a</td>
<td>1:20,000</td>
<td>1875</td>
</tr>
<tr>
<td>T-1411a</td>
<td>1:20,000</td>
<td>1876</td>
</tr>
<tr>
<td>T-4201</td>
<td>1:10,000 &amp; 1:20,000</td>
<td>1926</td>
</tr>
<tr>
<td>T-4202</td>
<td>1:20,000</td>
<td>1926</td>
</tr>
<tr>
<td>T-5838</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
<tr>
<td>T-8385</td>
<td>1:20,000</td>
<td>1942</td>
</tr>
</tbody>
</table>

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

<table>
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<th>Survey</th>
<th>Scale</th>
<th>Year</th>
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<td>H-8380</td>
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<td>1957</td>
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<tr>
<td>H-8411</td>
<td>1:10,000</td>
<td>1957-58</td>
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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
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. Strehtler

Approved by

Le Lande
Chief, Review Section
Photogrammetry Division

May 1960

Chief, Coastal Surveys Division

Chief, Nautical Chart Branch
Chart Division

Chief, Photogrammetry Division