# Descriptive Report

**Type of Survey**: SHORELINE  

**Field No.**: Office No. T-1054

## Locality
- **State**: FLORIDA  
- **General Locality**: OLD TAMPA BAY  
- **Locality**: ROCKY POINT TO CABBAGEHEAD BAYOU

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**19.58**

**Chief of Party**  
Arthur L. Wardwell, Tampa Photo Office

---

**Library & Archives**  
**Date**: MAY 25 1960
DESCRIPTIVE REPORT - DATA RECORD

T-10544

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

Field Office (II): Tampa District Office
Chief of Party: Arthur L. Wardwell

Photogrammetric Office (III): Tampa District Office
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): 19 SEP 1958
Date reported to Nautical Chart Branch (IV): 12 Jan 1960

Applied to Chart No.
Date: Date registered (IV):

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHHW
Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): ROCKY POINT 1875
Lat.: 27°57'47.202 N (1,653.0 m)
Long.: 82°34'19.316 W (528.0 m)

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)
(II) (III)
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. A. Reynolds  Date: 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 October 1957

Projection and Grids ruled by (IV): J. B. Phillips (W.O.)  Date: 3 June 1957

Projection and Grids checked by (IV): J. B. Phillips (W.O.)  Date: 3 June 1957

Control plotted by (III): R. R. Wagner  Date: 4 November 1957

Control checked by (III): I. I. Saperstein  Date: November 1957

Radial Plot or Stereoscopic
Control-extension by (III): R. R. Wagner  Date: 27 November 1957

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

Manuscript delineated by (III): R. R. Wagner  Date: March 1958

Photogrammetric Office Review by (III): J. A. Giles  Date: March 1958

Elevations on Manuscript
checked by (II) (III): Inapplicable  Date:
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): 9 Lens & Wild Avidgon

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Predicted Tide (III)

Reference Station: Tampa Bay
Subordinate Station: Safety Harbor - Old Tampa Bay

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sqd. Statute Miles) (III): 5
Shoreline (More than 200 meters to opposite shore) (III): 12
Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): * 9
Recovered: 1
 Identified: 1

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 50

Remarks: * 4 stations are north of manuscript limits. Only tidal bench marks were searched for.
SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPTS
T-10544 and T-10545

These two surveys are part of Project PH-171 (27380), which covers the Tampa Bay, Florida area. T-10544 and T-10545 are along the north edge of the project and cover the east half of Courtney Campbell Parkway and vicinity.

The project was assigned to and completed by the Tampa District Office during 1957 and 1958 for the purpose of providing shoreline maps for the revision of nautical charts and shoreline and control for hydrographic surveys. Some of these hydrographic surveys as completed in 1958 were in blueprint stage for comparison during Washington Office Review.

Subject manuscripts submitted by the field office are the result of adequately scribed sheets. Only minor additions and corrections were required prior to reproduction of permanent file copy.

T-10545 was revised in the Washington Office from photography of August 1959 and corrected Ozalid print (as submitted by Tampa District Office 5 October 1959) to indicate changes in shoreline and approaches of the new causeway under construction.

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 SUBMITTED WITH T-10358
PHOTограмметрический Плановый отчет

Сдано с T-10558

31. ДЕЛИНЕАЦИЯ

   Графический метод был использован.
   Фотографии были в натуральную величину.
   Полевые работы были хорошо выполнены.

32. КОНТРОЛЬ

   Зависимость между Photogrammetric Плановым отчетом.

33. ПЕРИФЕРИЧЕСКИЕ ДАННЫЕ

   Не использовалось.

34. КОНТУРЫ И ДRAINAGE

   Нет заявления.

35. СТОЯНКА И АВТОМЕХАНИЧЕСКИЙ СЕКЦИОН

   Порядочная обзорная инспекция. Примерно вода ниже нормы и
   рифовые линии были, в основном, офисным интерпретированием
   фотографий.

36. ОФФШОР ПОДРОБНОСТИ

   Нет заявления.

37. ЛАНДМЕРК И АЙДИС

   Нет никаких сигналов или ландшафтов.
38. **CONTROL FOR FUTURE SURVEYS**

A list of photo hydro stations has been furnished the hydrographic party. This list is itemized under Item 49. There are no topographic stations.

39. **JUNCTIONS**

Junctions have been made with T-10543 to the west, T-10545 to the east and T-10550 to the south. There is no contemporary survey to the north.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with C&GS Planimetric Maps T-5822 and T-5831, scale 1:10,000 dated 1941. They are in fair agreement. Comparison was also made with USGS map Candy Bridge Florida sheet 32209 (1) scale 1:10,000, dated 1955. They are in fair agreement.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with C&GS Nautical Chart Tampa Bay Northern Part 587, scale 1:40,000 dated 9/16/57 corrected to 11/16/57. They are in fair agreement. The C&GS 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.

Approved and Forwarded:

[Signature]

A. L. Wardwell
Chief of Party

R. H. Wagner
Cartographer (Photo)
T-10544 - Geographic Names

Cabbagehead Bayou
Courtney Campbell Parkway
Dick Creek
Double Bayou
Florida (title)
Gulf Coast (title)
Old Tampa Bay
Rocky Creek
Rocky Point
Sweetwater Creek
Tampa Bay (title: not Old Tampa Bay)
The Pond
State 60
State 580
Woods Creek

Names approved 11-3-53
L. H. Beck
49. NOTES FOR THE HYDROGRAPHER

The following photo-hydro stations were submitted by the field inspector and located on the manuscript:

'hh01 - Center of south side of bridge. (Falls on T-105.45 to the east.)

'hh02 - Center of north side of bridge. (Falls on T-105.45 to the east.)

'hh03 - Center of end of pier ruins.

'hh04 - Northwest end of Studebaker billboard.

'hh05 - Westerly palm of 10 along north side causeway stake with flag on shore opposite palm.

'hh06 - Easterly of 5 palms along north side causeway. Stake with flag on shore opposite palm.

'hh07 - Center mangrove clump on apparent shoreline north of causeway. Stake with flag beside clump.

'hh08 - Westerly of 3 palms along north side causeway. Stake with flag on shore opposite palm.

'hh09 - Center of mangrove clump along apparent shoreline, north of causeway. Stake with flag beside clump.

'hh10 - Westerly of 2 palms along north side causeway. Stake with flag on shore opposite palm.

'hh11 - Lone palm along north side causeway. Stake with flag on shore opposite palm.

'hh12 - Westerly palm in south row of 3. Palms are along north side of causeway. Picnic table between rows.

'hh13 - Tip of grass in water, just south of a mangrove point and between two oyster bars. Stake with flag at tip.

'hh14 - Southeast corner green and yellow building on beach.

'hh15 - Center of end of pier.

'hh16 - Center of end of pier.

'hh17 - Westerly of 4 palms along south side causeway. Stake with flag at base.

'hh18 - Westerly and highest of 2 palms along south side of causeway. Stake with flag at base.

'hh19 - South gable picnic shed on south side causeway, most easterly shed.
420 - South gable picnic shed on south side causeway, second shed from east.

421 - Lone palm bush on west side filled in area.

422 - Center small marsh spot in front of mangrove. Stake with flag driven in center.

423 - Center of small marsh spot surrounded by a small mud area just west of a small stream. Stake with flag driven in spot.

424 - Southwest corner of net rack just east of short pier.

425 - Short mangrove point near center of marsh islet. Stake with flag driven in point.

426 - Corner concrete bulkhead.

427 - State Road Dept. observing stand.

428 - North gable picnic shed on north side causeway. First shed east of bridge.

429 - South gable picnic shed on south side of causeway. First shed on south side, east of bridge.

430 - South gable picnic shed on south side of causeway. Larger shed with E-W gables is just east of the above one.

431 - Seaward end grass point in front of mangrove. Stake with flag driven in point.

432 - Bush of shrubbery between 2 Australian pine clumps. Stake with flag beside bush.

433 - South gable picnic shed along south side causeway. Shed is just east of a clump of Australian pine.

434 - Mangrove bush in grass along north side causeway. Stake with flag beside bush.

435 - South gable picnic shed along south side of causeway.

436 - Grass spot along edge of mangrove, along north side of causeway. Stake with flag driven in grass spot.

437 - South gable picnic shed along south side causeway.

438 - Grass spot along edge of mangrove, along north side of causeway. Stake with flag driven in spot.

439 - South gable picnic shed along south side of causeway.

440 - South gable picnic shed along south side of causeway.
141 - Grass spot along edge of mangrove along north side of causeway. Stake with flag driven in spot.

142 - South gable picnic shed along south side causeway.

143 - Grass spot on south side of mangrove island. Stake with flag driven in spot.

144 - Tip of mangrove point at SE side of indentation of shoreline. Stake with flag driven in point, streamers on limbs.


146 - Tip of grass at SE side of mouth of creek. Stake with flag driven in point.

147 - Center of square grass spot along edge of mangrove. Most northwesterly of several spots. Stake with flag driven in spot.

148 - Northwest end of grass spot along edge of mangrove. Stake with flag driven in spot.

149 - Lone, detached mangrove bush SE of creek mouth. Stake with flag and streamers tied in bush.

150 - Overhanging mangrove limb. Stake with flag driven in point. Streamers tied on limb.

151 - Small mangrove bush on oyster bar. Stake with flag driven in bedside bush. Streamers tied in limbs.

4301 - Center of bridge tender's house, red tile roof.
PHOTOGRAMMETRIC OFFICE REVIEW

T. 105 W

1. Projection and grids J.G.
2. Title J.G.
3. Manuscript numbers J.G.
4. Manuscript size J.G.
5a. Classification label UNCLASSIFIED

CONTROL STATIONS
9. Plotting of sextant fixes XX
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. J.G.
15. Bridges J.G.
16. Aids to navigation XX
17. Landmarks XX
18. Other alongshore physical features J.G.
19. Other alongshore cultural features J.G.

PHYSICAL FEATURES
20. Water features J.G.
21. Natural ground cover J.G.
22. Planetary 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 XX
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. Signature

William A.罄
Supervisor, Review Section or Unit

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

Remarks:

COMM-DC 34529
# Tide Computations

**Project No. Ph. 171 T. 10544**

<table>
<thead>
<tr>
<th>Time and Date of Exposure</th>
<th>Reference Station</th>
<th>Subordinate Station</th>
<th>Mean Range</th>
<th>Ratio of Ranges</th>
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<tbody>
<tr>
<td>20 Apr 1937</td>
<td>Tampa Bay</td>
<td>Safety Harbor, Old Tampa Bay</td>
<td>4.9</td>
<td>1.45</td>
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<table>
<thead>
<tr>
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<th>Height x Ratio of Ranges</th>
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<th>Corrected Time</th>
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<td>h. m.</td>
<td>feet</td>
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<td>------</td>
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<td>--------------------------</td>
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<td>---------------</td>
</tr>
<tr>
<td>High tide</td>
<td>1.5</td>
<td>10.5</td>
<td>2.0</td>
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<tr>
<td>Low tide</td>
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<td>0.0</td>
<td>-0.6</td>
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<td>Duration of Rise or Fall</td>
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<td>Range of Tide</td>
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<th>Stage of Tide Above MLW</th>
<th>Feet</th>
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<td>3:32</td>
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<td>10:09</td>
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<td>6:37</td>
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Computation by [Signature], Checked by [Signature]
### Tide Computations

**Project No:** Ph-171 T-1054

**Time and Date of Exposure:** 10:29, 16 Apr

**Reference Station:** Tampa B. C.

**Mean Range:** 1.9

**Date of Field Inspection:**

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<th>Time</th>
<th>Height (feet x Ratio of ranges)</th>
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<td>118 10.5</td>
<td>High Tide</td>
<td>118 10.5</td>
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<tr>
<td>Low Tide</td>
<td>4</td>
<td>Low Tide</td>
<td>4</td>
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<tr>
<td>Range of Tide</td>
<td>1.9</td>
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**Correction at Subordinate Station:**

- **Time:** 16:06
- **Range:** 1.9

**Time Difference:** 11:45

**Corrected Time at Subordinate Station:** 16:06

---

**Table:**

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<th>Time</th>
<th>Ht. H.T. or L.T.</th>
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<th>Stage of Tide Above MLW</th>
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<td>Interval</td>
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<td>10 39</td>
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<td>98</td>
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<td>10 39</td>
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<td></td>
<td></td>
<td>10 39</td>
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**Feature Bares:**

- Stage of Tide Above MLW
- Feature Above MLW

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**Photo No.:** 571598

**Computed by:** [Signature]

**Checked by:** [Signature]
# TIDE COMPUTATION

**PROJECT NO. Ph-111 T-10549**

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<tbody>
<tr>
<td></td>
<td>h. m.</td>
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<td>High tide</td>
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<td>High tide at Ref. Sta.</td>
<td>3 59'</td>
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<td></td>
<td>Low tide</td>
<td>0.4</td>
<td>0.0</td>
<td>Low tide at Ref. Sta.</td>
<td>3 39'</td>
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<td>Duration of rise</td>
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<td>Time difference</td>
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<td></td>
<td></td>
<td></td>
<td>or fall</td>
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<td>Range of tide</td>
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<td>Subordinate station</td>
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**Tabular correction**
- Stage of tide above MLW
- Feature bares
- Stage of tide above MLW
- Feature above MLW
- Feature bares
- Stage of tide above MLW
- Feature above MLW
- Feature bares
- Stage of tide above MLW
- Feature above MLW
- Feature bares
- Stage of tide above MLW
- Feature above MLW

**Photo No.** 56008

**Computed by** [Signature]

**Checked by** [Signature]
REVIEW REPORT OF
SHORELINE MANUSCRIPTS T-10544 and T-10545
September 1959

62. Comparison with Registered Topographic Surveys

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<th>Scale</th>
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<td>1875</td>
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<td>T-1409b</td>
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<td>T-4185</td>
<td>1:20,000</td>
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</tr>
<tr>
<td>T-5822</td>
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<td>T-8381</td>
<td>1:20,000</td>
<td>1942</td>
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There have been considerable changes of subject area over these many years. The latest survey (T-8381, 1942) compares favorably with subject surveys with only two exceptions: The shoreline at WOODS CREEK - north of COURTNEY CAMPBELL PARKWAY - and at ROCKYPOINT - near the east end of said Parkway - indicate extensive changes. T-10544 and T-10545 are to supersede above-listed registered surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

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

64. Comparison with Contemporary Hydrographic Surveys

Blueprint 56931 1:20,000 1958
There are no apparent differences between these surveys.

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

With only one exception, there is good agreement between subject surveys and the nautical charts. The one exception involves chart 587 and represents a difference in shoreline of ROCKY POINT - near the east end of COURTNEY CAMPBELL PARKWAY.
66. Adequacy of Results and Future Surveys

These surveys meet the requirements of adequacy and accuracy for this type of survey.

Reviewed by

Joseph J. Streitler

Approved by

L. C. Landis
Chief, Review Section
Photogrammetry Division

Willson
Chief, Photogrammetry Division

Max P. Hedges
Chief, Nautical Chart Branch
Chart Division

J. Bowie
Chief, Coastal Surveys Division

18 May 19--