

# 10566

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-10566**

## LOCALITY

State **FLORIDA**General locality **TAMPA BAY**Locality **EGMONT KEY**19 **58**

CHIEF OF PARTY

**Arthur L. Wardwell, Tampa Photo. Office**

LIBRARY &amp; ARCHIVES

DATE **MAY 25 1960**

COMM-DC 61300

# 10566

DESCRIPTIVE REPORT - DATA RECORD

T- 10566

Project No. (II): **Pb-171**

Quadrangle Name (IV):

Field Office (II): **Tampa District Office**

Chief of Party: **Arthur L. Wardwell**

Photogrammetric Office (III): **Tampa, Fla.**

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): **12 Feb 1960**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N. A. 1927**

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

~~Mean low water~~ 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): **BGMONT KEY L.H. (rear range) 1873**

Lat.: **27° 36' 01.739 (53.5 m.)** Long.: **82° 45' 39.079 (1071.7 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.

FORM 181a  
(4-23-54)

# DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY


SHORELINE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**  
**G. D. Bradford**

Date: **Dec. 1957**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II): **Inapplicable**

Date:

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

**Dec. 1957**  
**Air Photo Compilation**

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

Date: **13 June 1957**

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

Date: **13 June 1957**

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

Date: **21 Jan. 1958**

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

Date: **21 Jan. 1958**

Radial Plot on ~~Manuscript~~ **R. R. Wagner**  
Control checked by (III): **R. J. Pate**

Date: **20 Feb. 1958**

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

Date:

Date:

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

Date: **Mar. 1958**

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

Date: **Mar. 1958**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **9-lens and WILD AVIOGON**

Number	Date	Time	Scale	Stage of Tide
56099	16 April 1957	0927	1:10,00	+ 1.3
57 L 1640	"	1111	"	+1.6
57 L 1641	"	1111	"	+1.6

55988

Predicted Tide (III)

Reference Station: **TAMPA BAY**  
Subordinate Station: **EGMONT KEY, Egmont Channel**  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.4	1.6
0.93	1.3	1.7

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Date: Jan. 1960  
Date: March 1958  
Date: Jan. 1960  
Date:

Land Area (Sq. Statute Miles) (III): **1**  
Shoreline (More than 200 meters to opposite shore) (III): **3.9**  
~~Shoreline (Less than 200 meters to opposite shore) (III):~~  
Control Leveling - Miles (II): **Inapplicable**  
Number of Triangulation Stations searched for (II): **\*9** Recovered: **2** Identified: **3**  
Number of BMs searched for (II): **\*\*7** Recovered: **5** Identified: **1**  
Number of Recoverable Photo Stations established (III): **0**  
Number of Temporary Photo Hydro Stations established (III): **11**

Remarks:

\* One station established.

\*\* Only tidal bench marks were searched for.

SUMMARY  
To Accompany Shoreline Manuscripts  
T-10566, 10567 and 10568

Subject surveys are three of shoreline project PH-171 (27380). The project consists of twenty-seven T-sheets and covers the Tampa Bay area of Florida. T-10566 to 10568 represent the southernmost surveys of this project. They are located at the entrance of Tampa Bay from the Gulf of Mexico - in the vicinity of Egmont Key and eastward to the Sunshine Skyway.

These three shoreline manuscripts were compiled graphically in 1958 at the Tampa District Office and they are based on nine-lens photography of April 1957 and field inspection of December 1957. Advanced shoreline information and control was made available to support hydrographic surveys during 1958.

The submitted manuscripts are the result of adequately scribed sheets 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.

January 1960

THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-10558

COMPILATION REPORT T-10566

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558.

31. DELINEATION

Compiled graphically.

One nine-lens photograph (56099) and two single-lens photographs (57 L 1640-1641) were used. Both were of reasonably good scale. Shoreline inspection was adequate. Inshore inspection was meager.

32. CONTROL

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

No drainage was apparent on the photographs nor was any indicated by the field inspector.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The approximate low-water line has been delineated from office interpretation.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Listed on form 567 and forwarded under separate cover. (1 May 1958) w.c.r.



38. CONTROL FOR FUTURE SURVEYS

Eleven photo-hydro stations are listed under Item 49. There are no topographic stations shown.

39. JUNCTIONS

A satisfactory junction has been secured with T-10567 on the east. There is no contemporary survey to the north, south or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with C&GS planimetric map No. T-5833, scale 1:10,000, compiled from air photographs taken Dec. 7 and 12, 1939, and supplemented by other surveys to June 1941. Except for a recession of the west shoreline, due to natural erosion, little difference was noted.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with nautical chart No. 586, scale 1:40,000, 5th edition, Jan. 12, 1944; and revised to Dec. 9, 1937. The same comparison under Item 46 is applicable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

  
Rudolph Dossett  
Carto Photo Aid

APPROVED AND FORWARDED

  
Arthur L. Wardwell  
Chief of Party

T-10566

Geographic Names.

Edmont Key

Edmont Channel

Florida

Gulf of Mexico

Southwest Channel

Tamra Bay

Names approved 8-17-59

L. Heck

49. NOTES FOR THE HYDROGRAPHER

Eleven (11) photo-hydro stations, with a short description of each, are listed below:

- 6601 - Center small concrete building offshore from end of island. ✓
- 6602 - Center lookout tower about 20 feet high. ✓
- 6603 - Seaward end of concrete wall, highest part. ✓
- 6604 - Center of end of grass spot. Stake with flag driven in point. ✓
- 6605 - Center of palmetto clump. Stake with flag driven beside clump. ✓
- 6606 - Corner of concrete gun emplacements. ✓
- 6607 - Center of clump of bushes. Stake with flag driven in point. ✓
- 6608 - Center of end of grass spot. Stake with flag driven in point. ✓
- 6609 - Center of pointed roof of small concrete building; southerly of two. ✓
- 6610 - Light atop north end of building on pier. ✓
- 6611 - Cupola on southeast corner of building. ✓

There are no recoverable topographic stations. ✓

// 1213

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PHOTOGRAMMETRIC OFFICE REVIEW

T. 10566

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

Unclassified

CONTROL STATIONS

42. Classification label

5. Horizontal control stations of third-order or higher accuracy MS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations JG 8. Bench marks JG  
9. Plotting of sextant fixes JG 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 Reviewer William A. Rasure 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:

REVIEW REPORT OF  
SHORELINE MANUSCRIPTS T-10566, 10567 and 10568

62. Comparison with Registered Topographic Surveys

T-1316a	1:20,000	1873
T-1316b	1:20,000	1873
T-1346b	1:20,000	1874
T-4210	1:20,000	1925-26
T-5833	1:10,000	1939
T-8397	1:20,000	1942
T-8398	1:20,000	1942

There are minor shoreline changes between these surveys. T-10568 represents a portion of SUNSHINE SKYWAY, which has been constructed since the last survey of 1942. Subject surveys are to supersede above-listed surveys for nautical charting purposes of common area and detailing.

63. Comparison with Maps of Other Agencies:

EGMONT KEY, FLA., 1:25,000, 1948, Army Map Service  
ANNA MARIA, FLA., 1:25,000, 1952, Army Map Service

Coast and Geodetic Survey's T-8397 and T-8398 (listed under item No. 62) are the basis of these two topographic quadrangles by A.M.S.

64. Comparison with Contemporary Hydrographic Surveys:

57247 (8427)	1:20,000, 1958, (Blueprint)
57248 (8428)	1:20,000, 1958, (Blueprint)

Shoreline and control for these hydrographic surveys was furnished from subject shoreline manuscripts and others of this project. No changes were applied.

65. Comparison with Nautical Charts:

586	1:40,000	Revised to 6/15/59
1257	1:80,000	Revised to 3/2/59

There is good agreement between these surveys.

- 2 -

66. Adequacy of Results and Future Surveys:

These shoreline manuscripts have been compiled in accordance with project instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by

*R. C. Lande*  
Chief, Review & Drafting Sec.  
Photogrammetry Division

*Josef J. Streifler*  
Josef J. Streifler

*L. W. Swanson*  
Chief, Photogrammetry Division

*Max Skelton*  
Chief, Nautical Chart Branch  
Charts Division

*J. Bowie*  
Chief, Coastal Surveys

19 May 60