

10565

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-10565**

LOCALITY

State **FLORIDA**

General locality **TAMPA BAY**

Locality **REDFISH CREEK TO**

COCKROACH BAY

19 58

CHIEF OF PARTY

A. L. Wardwell, Tampa Photo Office

LIBRARY & ARCHIVES

MAY 25 1960

DATE

USCOMM-DC 5087

10565

DESCRIPTIVE REPORT - DATA RECORD

T - 10565

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

Field Office (II): **Tampa** ✓

Chief of Party: **J. E. Waugh**

Photogrammetric Office (III): **Tampa** ✓

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): **16 Feb 1960**

Publication Scale (IV):

Publication date (IV):

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

Vertical Datum (III): **MHW** ✓

~~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): **MOUND 1934** ✓

Lat. **27°11'04.169"** (128.3 M) ✓

Long.: **82°11'18.811"** (515.5 M) ✓

Adjusted

~~Time~~

Plane Coordinates (IV):

State:

Zone:

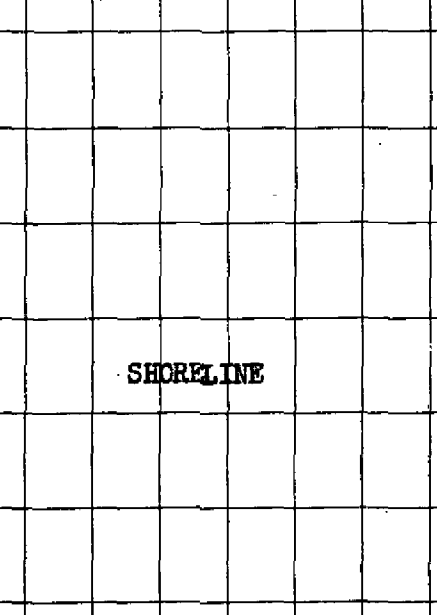
Y=

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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



SHORELINE

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **George E. Varnadoe**

Date: **Sept. 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**
Sept. 1957 ✓

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

Date: **6/12/57** ✓

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

Date: **6/12/57** ✓

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

Date: **5 Aug. 1957**

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

Date: **5 Aug. 1957** ✓

Radial Plot on ~~stereoscopic~~ **R. R. Wagner**
~~Contour extension~~ by (III): **R. J. Pate**

Date: **7 Aug. 1957** ✓

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

Date:

Date:

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

Date: **Jan. 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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

4

Camera (kind or source) (III):

9-lens C&GS & Wild Camera L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56025	16 Apr. 1957	08:30	1:10,000	0.5
56026	"	08:30	"	"
56027	"	08:31	"	"
56048	"	08:44	"	"
56047	"	08:44	"	"
56046	"	08:43	"	"
57L 1540	"	09:52	"	0.9
57L 1541	"	09:52	"	"
57L 1542	"	09:52	"	"

Predicted
Tide (III)Reference Station: Tampa Bay
Subordinate Station: Pinellas Point
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	1.4	1.6
--	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): 10

Shoreline (More than 200 meters to opposite shore) (III): 13.2

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

Control Leveling - Miles (II): 0

Number of Triangulation Stations searched for (II): 6

Recovered: 3

Identified: 3

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III): 18

Remarks:

1

SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPT
T-10565

T-10565 is one of 27 T-sheets of project PH-171 (27380). The project is located in the State of Florida and covers the shoreline surrounding Tampa Bay. Subject survey extends from Redfish Creek northward to Cockroach Bay on the east shore of Tampa Bay. It is directly east of the Sunshine Skyway, which spans the Tampa Bay between St. Petersburg and Terra Ceia.

The project was assigned to and completed by the Tampa District Office. Instructions are from May 1957. Subject map manuscript was compiled in January 1958 based on nine-lens photography of April 1957 and results of field inspection of September 1957. Advance shoreline information and control was made available in support of hydrographic surveys during 1958.

Subject manuscript is the result of an adequately scribed sheet and suitable for direct reproduction of permanent file copy after Washington Office review.

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

January 1960

FIELD INSPECTION REPORT ✓

SUBMITTED WITH T-10558

COMPILATION REPORT T-10565PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558

31. DELINEATION

Delineated graphically.

The photographs were of reasonably good scale. The 9-lens photographs were not, however, as clear as the 57L single lens prints. The single lens prints consequently were used for most of the detail. Shoreline field inspection was adequate. There was very little in-shore field inspection, but inshore detail was limited, being principally mangrove, swamp and cleared areas.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated as shown on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The most outstanding alongshore detail is the ferry landing at Piney Point which has been abandoned and is in a state of deterioration. It has been delineated as shown photographically and labeled "aband ferry slip". There are no shoals or low-water lines, the shallow areas are approximate and were shown by photographic interpretation.

The shoreline inspection was adequate.

36. OFFSHORE DETAILS

A cluster of piling offshore from Piney Point Creek were located by theodolite cuts. No other details were noted by the field inspector.

37. LANDMARKS AND AIDS ✓

There are no landmarks.

One fixed aid to navigation, located by triangulation has been submitted on Form 567, under separate cover 1 May 1958.

38. CONTROL FOR FUTURE SURVEYS ✓

Four (4) topographic stations are being submitted on Form 524. These four topographic stations and 18 photo-hydro stations have been listed under Item 49.

39. JUNCTIONS ✓

A satisfactory junction has been ~~incurred~~^{secured} with T-10561 on the north, and USGS Quadrangle COCKROACH BAY - 1:24,000 on the east. There is no contemporary survey on the west. On the south, junction was made with T-9631 (Ph-100).

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

46. COMPARISON WITH EXISTING MAPS ✓

Comparison was made with USC&GS planimetric maps T-5841 and T-5842 scale 1:10,000, compiled from aerial photographs taken Dec. 8, 1939 and supplemented by other surveys to October 1941.

No outstanding discrepancy was noted. ✓

Comparison was also made with USGS COCKROACH BAY FLORIDA 169009, sheet 2, stereocompilation scale 1:10,000, drafting scale 1:20,000 compiled from photographs taken in 1957. Comparison was favorable. ✓

47. COMPARISON WITH NAUTICAL CHARTS

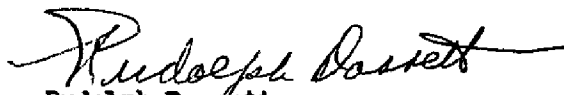
Comparison was made with Nautical Chart No. 586, scale 1:40,000 published Jan. 12, 1944, 5th edition and revised to 12/9/57. No outstanding discrepancy was noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Cartographic Survey Aid

Approved and Forwarded:


Arthur L. Wardwell
Chief of Party

T-10565.Geographic Names.

Beacon Key
Beacon Pass
Big Cockroach Mound
Big Cockroach Pass
Buoy Pass

Camp Key
Cockroach Bay
Cockroach Channel
Cockroach Creek

Dung IsletFlorida (title)Gulf Coast (title)

Hallelujah Keys
Hole in the Wall Pass (not Hole In The Wall Pass)

Jump PassLittle Redfish Creek

Moody Point
Mullet Key
Paradise Key (to agree with USGS quadrangle)
Piney Point
Piney Point Creek

Redfish Creek

Shell Key
Snag Point
Snake Key
Southeast Head
South Stop

Table Bar
Tampa Bay (also for title)

Wood Dock

Names approved 11-5-58

L. Hack

49. NOTES FOR THE HYDROGRAPHER

Following is a list of topographic and photo-hydro stations for the use of the hydrographer:

PAV (1941) 1957

PUN (1941) 1957

BAH (1941) 1957

JAG (1941) 1957

- 65-01 - Center of overhanging mangrove limb - white cloth strip - cut limbs.
- 65-02 - Tip of overhanging mangrove. First point north of slough - white cloth strip - cut limbs.
- 65-03 - White gable - fish house.
- 65-04 - Center of mangrove clump on sand beach - white cloth strip - white stake.
- 65-05 - Northwest tip of detached mangrove island (overhanging) - white cloth strip - cut limbs.
- 65-06 - Tip of mangrove on north point of mangrove island (overhanging) - white cloth strip - cut limbs.
- 65-07 - Center of lone small mangrove bush on sand beach - white stake - cloth strip - cut limbs.
- 65-08 - West tip of seagrape bush on sand beach - white cloth on stake - cut limbs.
- 65-09 - Center mangrove bush on sand beach - white cloth stake - cut limbs - 3 small stakes in water about 250 feet south.
- 65-10 - Northwest corner pier.
- 65-11 - North gable, tin roof, white house.
- 65-12 - Offshore end north ferry slip.
- 65-13 - Offshore end south ferry slip.
- 65-14 - First piam north of twin cedars, seagrape bush at base - white cloth wrap.

49. NOTES FOR THE HYDROGRAPHER (CONTINUED)

- 65-15 - Center of detached small clump mangrove - cut limbs - white cloth - stake.
- 65-16 - Overhanging mangrove limb, 5 feet high, at HWL (Sand) - white cloth - stake - cut limbs.
- 65-17 - Western point of overhanging mangrove limb - cut limbs - white cloth - stake.
- 65-18 - West gable, white boathouse, green roof, first building north of canal.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10565

50.

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 M.M.S. 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 XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation J.G. 17. Landmarks XX 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 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. Jesse A. Giles 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:

SPECIAL REPORT ON GEOGRAPHIC NAMES - FLORIDA

A field investigation was made concerning the names of two keys near the mouth of Cockroach Bay on the eastern shore of Tampa Bay.

It was noted that a discrepancy exists between Charts 586 and 1257 in connection with the names of CAMP KEY and SNAKE KEY. On Chart 586 the northernmost of the two keys is shown as SNAKE KEY and on Chart 1257 it is shown as CAMP KEY. The southern key is shown as CAMP KEY on Chart 586 while the name of the key on Chart 1257 is not listed. It may also be noted that Planimetric Map T-5841 shows the northernmost key as CAMP KEY and the southern key as SNAKE KEY.

A number of people familiar with the area were contacted to determine the correct name of each key. It was learned that the northernmost key has always been called CAMP KEY and the southern key called SNAKE KEY by this and the previous generation of fishermen and is correct as shown on Planimetric Map T-5841.

The following are the people contacted:

Mr. Frank Clark
Sun City, Florida

Commercial fisherman - 38 years old - a lifelong resident.

Mr. Eugene McRoberts
Box 894 Ruskin, Fla.

Wholesale fish dealer and commercial fisherman - 37 years old - a lifelong resident.

It is recommended that the names of SNAKE KEY and CAMP KEY be reversed on Chart 586.

S. I. Saperstein
T-105-1

I. I. Saperstein
Carto Photo Aid

APPROVED AND FORWARDED

Arthur L. Wardwell
Tampa District Officer

cc: Nautical Charts

TIDE COMPUTATION

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph. 171 T-10565

Time and date of exposure 0843 16 Apr 1957
0452

Reference station Tampa Bay

Subordinate station Point Pinellas

Date of field inspection Sept 1957

Mean range 1.2

Ratio of ranges 0.0

	Time		Height feet	Height x Ratio of ranges	Time		Photo. No.
	h.	m.			h.	m.	
High tide	14	21	1.8	1.8	14	21	56046
Low tide	8	06	0.4	0.4	8	06	
Duration of rise or fall	6 15		1.4		7 26		

	h. m.		Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Feature bares	Stage of tide above MLW	Feature above MLW	feet	Photo. No.
	Time H. T. or L. T.	7									
Required time	8	43	Tabular correction	0.1	0.5	0.1	Stage of tide above MLW	Feature above MLW			
Interval	1	17	Stage of tide above MLW	0.5	0.9	0.9	Feature above MLW				
Time H. T. or L. T.	7	26	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	0.4	Feature bares	Stage of tide above MLW	Feature above MLW		5721541
Required time	9	52	Tabular correction	0.1	0.5	0.1	Stage of tide above MLW	Feature above MLW			
Interval	2	26	Stage of tide above MLW	0.5	0.9	0.9	Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares	Stage of tide above MLW	Feature above MLW		
Required time			Tabular correction				Stage of tide above MLW	Feature above MLW			
Interval			Stage of tide above MLW				Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares	Stage of tide above MLW	Feature above MLW		
Required time			Tabular correction				Stage of tide above MLW	Feature above MLW			
Interval			Stage of tide above MLW				Feature above MLW				
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		Feature bares	Stage of tide above MLW	Feature above MLW		
Required time			Tabular correction				Stage of tide above MLW	Feature above MLW			
Interval			Stage of tide above MLW				Feature above MLW				

Computed by R. D. Smith

Checked by 115

REVIEW REPORT OF
SHORELINE MANUSCRIPT T-10565
January 1960

62. Comparison with Registered Topographic Surveys:

T-1346b	1:20,000	1874
T-1408b	1:20,000	1875
T-4200	1:20,000	1926
T-4212	1:20,000	1926
T-5841	1:10,000	1939
T-5842	1:10,000	1939
T-8391	1:20,000	1942

There are only minor shoreline differences between these surveys with the exception of the land area at Piney Point. This shoreline has changed considerably since 1942. Subject survey is to supersede above-listed surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

COCKROACH BAY, FLA., 1956, U.S. Geological Survey

There are minor differences in shoreline, generally. The only prominent change occurred at Piney Point, where dredging and filling operations have altered this point of land area.

64. Comparison with Contemporary Hydrographic Surveys

57517 (8429), 1:20,000, 1958 (Blueprint)

The shoreline and control for this hydrographic survey was furnished from subject map manuscript and no changes were applied.

65. Comparison with Nautical Charts

586, 1:40,000 Edition of 1944 Revised to 6/5/59
1257, 1:80,000 Edition of 1943 Revised to 3/2/59

There is good agreement between these surveys.

66. Adequacy of Results and Future Surveys

T-10565 has been completed in accordance with project instructions and meets the requirements of adequacy and accuracy.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved

L. C. Rande
Chief, Review Section
Photogrammetry Division

Max Bickel
Chief, Nautical Chart Branch
Chart Division

Will Swanson
Chief, Photogrammetry
Division

J. Bowie
Chief, Coastal Surveys

18 May 65