

# 10561

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-10561

### LOCALITY

State FLORIDA

General locality TAMPA BAY

Locality CAMP KEY TO

LITTLE COCKROACH ROCK PASS

19 58.

### CHIEF OF PARTY

Arthur L. Wardwell, Tampa Photo Office

LIBRARY & ARCHIVES

**MAY 25 1960**

DATE

USCOMM-DC 5087

# 10561

DESCRIPTIVE REPORT - DATA RECORD

T-10561

Project No. (II): Ph-171

Quadrangle Name (IV):

Field Office (II): Tampa District Office

Chief of Party: J. E. Waugh

Photogrammetric Office (III): Tampa District Office

Officer-in-Charge: Arthur L. Wardwall

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):

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): Tampa Bay Cut C Channel Range Rear Lt. 1957

Lat.: 27°42'36.88" (1135.2mm)

Long.: 82°31'22.963" (629.1mm)

~~Unadjusted~~  
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.

SHORELINE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): George E. Varnadoe

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): Air Photo Compilation; August 1957

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

Date: 12 June 1957

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

Date: 12 June 1957

Control plotted by (III): R. J. Pate

Date: 2 December 1957 ✓

Control checked by (III): R. R. Wagner

Date: 3 December 1957 ✓

Radial Plot ~~extension~~

Date: 7 August 1957 ✓

~~extension~~ extension by (III): R. J. Pate

R. R. Wagner

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Inapplicable

Contours

Date:

Manuscript delineated by (III): I. I. Saperstein

Date: February 1958 ✓

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

Date: May 1958 ✓

Elevations on Manuscript

Date:

checked by (II) (III): Inapplicable

## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): 9 lens and single-lens Infra-red

4

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
56023	16 April 1957	08:29		1:10,000	+ 0.4
56024	" " "	08:29		"	"
56025	" " "	08:30		"	"
56048	" " "	08:44		"	"
57L 1543	" " "	09:53		"	+ 0.6
57L 1544	" " "	09:53		"	"
57L 1545	" " "	09:53		"	"

Predicted ✓  
Tide (III)

Reference Station: Tampa (St. Petersburg)

Subordinate Station:

Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Ratio of Ranges	Mean Range	Spring Range
	1.4	1.6

Date:

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (III): 1

Shoreline (More than 200 meters to opposite shore) (III): 8.5

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 4\*

Recovered: 0

Identified: 2

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 2

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

Remarks: \* Four triangulation stations established and two identified. One fell west of the neat line but was shown on the manuscript. All stations are fixed aids to navigation.

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SUMMARY  
TO ACCOMPANY SHORELINE MANUSCRIPTS  
T-10560, T-10561, T-10562

These three surveys are part of shoreline project PH-171 (27380), which covers the shoreline and adjacent land area of Tampa Bay in Florida. Subject surveys specifically cover the southern tip of Pinellas Peninsula and the east shore of the Bay in the vicinity of Little Manatee River near the town of Ruskin.

Graphically compiled from September 1957 to February 1958 at the Tampa District Office, they are based on nine-lens photography of April 1957 and field inspection of August-September 1957. Advance shoreline information was made available in support of hydrographic surveys.

T-10560 to and incl. T-10562 were scribed at the Tampa District Office and are adequate 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.

November 1959

FIELD INSPECTION REPORT

Submitted with T-10558

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558 ✓

31. DELINEATION

The graphic method of compilation was used. The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURING AND DRAINAGE

Contouring is inapplicable. The drainage was drafted from photographic interpretation. ✓

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and the shoreline was delineated according to the field inspection notes. The low-water line, shoal and shallow areas were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

All offshore details such as dolphins have been shown. Two dolphins have been shown outside the limits of the manuscript, near Tampa Bay Cut B Channel Range Rear Light. All dolphins shown are dredging areas used by the U.S. Engineers.

37. LANDMARKS AND AIDS

There are no landmarks. All non-floating aids to navigation are listed on Form 567 and were submitted under separate cover on 1 May 1958.



### 38. CONTROL FOR FUTURE SURVEYS

A description for each photo-hydro station, plus a list of topographic stations has been included under Item 49. ✓

### 39. JUNCTIONS

Junctions have been made with the following:

T-10562 to the east ✓

T-10565 to the south

No contemporary survey to the north or west.

### 40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

### 46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G. stereocompilation COCKROACH BAY FLORIDA NO. 169009, sheet 1, scale 1:10,000 dated 1955.

Comparison has been made with C. & G.S. planimetric maps, T-5840 and T-5841 scale 1:10,000 dated 1941.

No differences worthy of note were found in any instance. ✓

### 47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 586, scale 1:40,000 edition of 12 January 1944 revised 9 December 1957.

The maps listed under Item 46 are probably the source of topography for the chart. The same differences were noted. These differences consisted of natural changes.

### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

### ITEMS TO BE CARRIED FORWARD

None.

*I. I. Saperstein*  
I. I. Saperstein  
Cartographer (Photo)

Approved and forwarded:  
*Arthur L. Wardwell*  
Arthur L. Wardwell  
Chief of Party

T-10561.

Geographic Names.Big PassBig Pass KeyCamp KeyCoon CreekFlorida

(title)

Gooseneck PassGulf Coast

(title)

Little Cockroach BayLittle Cockroach IslandLittle Cockroach Rock PassMags HoleMarys LakeLakeMarys PassMarys Point

(apply as shown here)

Shell KeyTampa Bay

Names approved 11-5-58

L. Hesk

49. NOTES FOR THE HYDROGRAPHER.

The following is a list of photo-hydro stations with description for each:

- 6101 - Southern of two lone mangrove bushes (7 feet high) near south end oyster bar with scattered marsh. White cloth strip - stake - cut limbs.
- 6102 - Offshore center end long mangrove clump (oval in shape) approximately 70 feet off tree line. White cloth strip - stake - cut limbs.
- 6103 - Point mangrove (overhanging) 1100 feet north of inlet. White cloth strip - stake - cut limbs.
- 6104 - Overhanging mangrove limb on point where shoreline turns from north to northeast. White cloth strip - cut limbs.
- 6105 - Overhanging mangrove limb on point where shoreline turns from northeast to east, just north of small, low water, sand beach. Stake - white cloth strip - cut limbs.
- 6106 - Overhanging mangrove limb on southeast point of small mangrove key. Stake - white cloth strip - cut limbs.

The following are recoverable topographic stations:

PASS, 1957

TAR (1941), 1957

1172

50.

# PHOTOGRAMMETRIC OFFICE REVIEW

T. 10561

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 J.G.  
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 J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges XX 16. Aids to navigation XX 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 XX 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 XXXX 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles  
Jesse A. Giles Reviewer

William A. Rasure  
Supervisor, Review Section or Unit

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:

**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 McRobert  
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 recorded on Chart 586.

I. I. Saperstein  
Carto Photo Aid

APPROVED AND FORWARDED

Arthur L. Wardwell  
Tampa District Officer

cc: Nautical Charts

DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
WASHINGTON 25

IN REPLY ADDRESS THE DIRECTOR  
COAST AND GEODETIC SURVEY  
AND NOT THE NUMBER OF THIS LETTER

AND REFER TO NO. 452-ecc

April 11, 1958

To: Tampa District Officer  
Coast and Geodetic Survey  
Post Office Box 190  
Tampa, Florida

Subject: Geographic Names

With reference to a report by Mr. I. I. Saperstein on a discrepancy between charts 1257 and 586 in the application of the names Camp Key and Snake Key, at Cockroach Bay, the incorrect placement of these names on chart 586 had already been noted and will be changed at the first opportunity.

Assistant Director

# TIDE COMPUTATION

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

PROJECT NO. Ph- 171 T-10561

Time and date of exposure 0829 16 Apr 1957 Reference station TAMPA BAY (St. Petersburg) Mean range 1.4  
Date of field inspection Aug 1957 Subordinate station Tampa Bay ( " ) Ratio of ranges ---

High tide	Time h. m.	Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
Low tide	14 21	1.8	---	14 21	8 06
Duration of rise or fall	8 06	0.4	---	14 21	8 06
	6 15		1.4		

Time of L. T. or L. T.	h. m.	Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
Required time	08 06	Ht. <del>H. T.</del> or L. T.	---	14 21	8 06
Interval	08 29	Tabular correction	---	14 21	8 06
	23	Stage of tide above MLW	---	14 21	8 06
Time H. T. or L. T.		Ht. H. T. or L. T.	---	14 21	8 06
Required time		Tabular correction	---	14 21	8 06
Interval		Stage of tide above MLW	---	14 21	8 06
Time H. T. or L. T.		Ht. H. T. or L. T.	---	14 21	8 06
Required time		Tabular correction	---	14 21	8 06
Interval		Stage of tide above MLW	---	14 21	8 06
Time H. T. or L. T.		Ht. H. T. or L. T.	---	14 21	8 06
Required time		Tabular correction	---	14 21	8 06
Interval		Stage of tide above MLW	---	14 21	8 06
Time H. T. or L. T.		Ht. H. T. or L. T.	---	14 21	8 06
Required time		Tabular correction	---	14 21	8 06
Interval		Stage of tide above MLW	---	14 21	8 06

Computed by U.S. Checked by WWD

## TIDE COMPUTATION

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

PROJECT NO. Ph. 171 T 10561

Time and date of exposure 0953 16 Apr 1957 Reference station TAMPA BAY (St. Petersburg) Mean range 14  
Date of field inspection Aug 1957 Subordinate station TAMPA BAY ( " ) Ratio of ranges ---

	Time	
	h.	m.
High tide	14	21
Low tide	8	06
Duration of rise or fall	6	15

	Height	Height x Ratio of ranges
	feet	
High tide	1.8	---
Low tide	0.4	---
Range of tide		1.4

	Time	
	h.	m.
High tide at Ref. Sta.	14	21
Time difference		---
Corrected time at Subordinate station	14	21

	Time	
	h.	m.
Low tide at Ref. Sta.	8	06
Time difference		---
Corrected time at Subordinate station	8	06

	h.	m.	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	Height	Height x Ratio of ranges	Time	Photo. No.
Time H. T. or L. T.	08	06	Ht. H. T. or L. T.		Feature bares				
Required time	09	53	Tabular correction		Stage of tide above MLW				57L 1544
Interval	1	47	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				
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				

COMM. DC-57848

Computed by US Checked by HWL



REVIEW REPORT OF  
SHORELINE MANUSCRIPTS T-10560, T-10561, T-10562  
November 1959

62. Comparison with Registered Topographic Surveys

T-1301a	1:20,000	1873
T-1316a	1:20,000	1873
T-1408b	1:20,000	1875
T-1411a	1:20,000	1876
T-4203	1:10,000	1926
T-4199	1:20,000	1926
T-4200	1:20,000	1926
T-4201	1:10,000 and	
	1:20,000	1926
T-5832	1:10,000	1939
T-5840	1:10,000	1939
T-5841	1:10,000	1939
T-8390	1:20,000	1942
T-8391	1:20,000	1942
T-8392	1:20,000	1942

Extensive dredging and filling operations have changed subject area considerably since the last topographic survey of 1942. These three 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

PASS-A-GRILLE BEACH, FLA., 1:24,000, 1956, U.S. Geological Survey  
COCKROACH BAY, FLA., 1:24,000, 1956, U.S. Geological Survey  
RUSKIN, FLA., 1:24,000, 1956, U.S. Geological Survey

There is evidence of additional changes throughout since the date of 1956, although those changes are of relative minor nature.

64. Comparison with Contemporary Hydrographic Surveys

H-7970, 1:10,000, 1952  
Blueprint 57519, 1:10,000, 1958  
Blueprint 57249, 1:10,000, 1958  
Blueprint 57517, 1:20,000, 1958  
Field Examination Sheet 3, 1:10,000, 1954

Field examination sheet No. 3 of 1954 is a supplement of H-7970. The Sunshine Skyway was under construction during 1952 and F. E. No. 3 of 1954 indicates the corrected shoreline of the causeways. Advance shoreline information of subject surveys was furnished for the listed blueprints and there is good agreement for all common detailing.

65. Comparison with Nautical Charts

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

With only two exceptions there is good agreement between these surveys. The two exceptions are not critical and represent recent changes. They occur at Shell Point at the entrance of Little Manatee River and less than a mile northwest of this point, south of the mouth of Cabbage Creek.

66. Adequacy of Results and Future Surveys

T-10560, 10561, and 10562 have been compiled in accordance with instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by

*Josef J. Streifler*  
Josef J. Streifler

Approved

*L. C. Lande*  
Chief, Review Section  
Photogrammetry Division

*Max M. Little*  
Chief, Nautical Chart Branch  
Chart Division

*H. W. Swansen*  
Chief, Photogrammetry  
Division

*J. Bowe*  
Chief, Coastal Surveys

18 May '60