

10560

Diag. Cht. No. 1257-3.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINEField No. Ph-171 Office No. T-10560

LOCALITY

State FLORIDAGeneral locality TAMPA BAYLocality POINT PINELLAS19 58

CHIEF OF PARTY

Arthur L. Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

MAY 25 1960

DATE

USCOMM-DC 5087

10560

DESCRIPTIVE REPORT - DATA RECORD

T - 10560

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

Field Office (II): Tampa

Chief of Party: Arthur L. Wardwell

Photogrammetric Office (III): Tampa

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): 10 Feb 1960

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): PINELLOS 2, 1908

Lat.: 27° 42' 15".598 (480.1 m.) Long.: 82° 38' 30".323 (830.8 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.

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✓

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

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

Date: **9 Sept. 1957**✓

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

Date: **9 Sept. 1957**✓

~~Radial Plot or Stereoscopic~~

~~Control extension by~~ (III): **R. R. Wagner**

Date: **1 Oct. 1957**✓

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

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): **W. H. Shearouse**✓

Date: **Jan. 1958**✓

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

Date: **Apr. 1958**✓

Elevations on Manuscript

checked by ~~NY~~ (III): **Inapplicable**✓

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens - Wild Single-lens Camera I**

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PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55963	4-7-57	1026	1:10,000	+1.1
55964	4-7-57	1026	"	+1.1
55965	4-7-57	1027	"	+1.1
55997	4-16-57	0812	"	+0.4
55998	4-16-57	0812	"	+0.4
56063	4-16-57	0858	"	+0.4
56064	4-16-57	0859	"	+0.4
56065	4-16-57	0859	"	+0.4
57L-1630	4-16-57	1106	"	+1.1
57L-1631	4-16-57	1107	"	+1.1
57L-1632	4-16-57	1107	"	+1.1

Tide (III)

PREDICTED -

Reference Station: **TAMPA BAY (ST. PETERSBURG)**

Subordinate Station: -

Subordinate Station: -

Ratio of Ranges	Mean Range	Spring Range
-	1.4	1.6

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Date: *Nov. 1957*

Date: *Jan. 1958*

Date: *Nov. 1957*

Date:

Land Area (Sq. Statute Miles) (III): **11**

Shoreline (More than 200 meters to opposite shore) (III): **16**

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

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): ***12**

Recovered: **5**

Identified: **5**

Number of BMs searched for (II): ****3**

Recovered: **1**

Identified: **1**

Number of Recoverable Photo Stations established (III): **3**

Number of Temporary Photo Hydro Stations established (III): **66-67**

Remarks: ***Two stations recovered and identified west of sheet limits.**

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

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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

THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-10558

COMPILATION REPORT T-10560

Z

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558.

31. DELINEATION.

The graphic method was used. The photographs were satisfactory.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable. The drainage has been shown from photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. The only low-water lines were around oyster bars which were indicated by the field inspector. There are no shoals indicated by the field inspector.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

All landmarks and aids, for the entire project, were submitted 1 May 1958.

38. CONTROL FOR FUTURE SURVEYS

Three (3) recoverable photo stations and sixty-seven (67) temporary photo-hydro stations, with descriptions of the latter, have been listed under Item 49.

39. JUNCTIONS

Joins Survey No. T-10564 on the south
No contemporary survey east and west
Joins Survey No. T-10558 on the north

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS manuscript PASS-A-GRILLE, FLORIDA, 720309, Sheet No. 1, dated 1955. No major differences were noted. Comparison was also made with C&GS Survey T-5832, scale 1:10,000, compiled from photographs taken in 1939 and supplemented by other surveys to June 1941. There are considerable changes along portions of the shoreline due to new fills.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart 586, scale 1:40,000, 5th edition and revised to 5 May 1958. It appears that the maps mentioned under Item 46 are the source of the topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

William H. Shearouse
William H. Shearouse
Cartographer (Photo)

APPROVED & FORWARDED
Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

T-10560

Geographic Names

Bahama Beach
Big Bayou

Florida
Frenchman Creek

Indian Key

Lewis Island
Little Bayou

Maximo Channel
Maximo Point

Pinellas Peninsula
Point Pinellas

State 687
Sunshine Skyway

Tampa Bay

U.S. 19

Names approved 8-17-59

L. H. ACK

T-10560

Item 49. NOTES FOR THE HYDROGRAPHER - The following topographic stations may be of value to the hydrographer:

AID (1941) 1957
BUM (1941) 1957
U.S.E.(EDD 63) (1935) 1957

Photo-hydro stations were established as follows:

- 6001 - Tan colored chimney on green house with tan roof.
- 6002 - East gable on light tan colored house.
- 6003 - Northeast corner grey cement block house.
- 6004 - SW corner pier.
- 6005 - Shore end of fence.
- 6006 - Corner L shaped pier.
- 6007 - Corner L shaped Pier.
- 6008 - Corner L shaped pier.
- 6009 - End of concrete Bulkhead.
- 6010A- End of pier.
- 6010 - Gable small shed on center of pier.
- 6011 - End of pier.
- 6012 - South end T-shaped pier.
- 6013 - End of pier.
- 6014 - Corner of L shaped pier.
- 6015 - Corner of pier.
- 6016 - NW end of billboard.
- 6017 - Corner of L shaped pier.
- 6018 - Corner of pier.
- 6019 - Corner of pier.
- 6020 - Sign "5 MPH" in water.

- 6021 - End of pier.
- 6022 - East gable small boat-shed.
- 6023 - West gable shed on pier.
- 6024 - Small detached clump of mangrove, stake with flag, cut limbs.
- 6025 - Small detached clump of mangrove, stake with flag, cut limbs.
- 6026 - Detached mangrove clump, stake with flag, cut limbs.
- 6027 - Small detached mangrove clump, stake with flag, cut limbs.
- 6028 - Small detached mangrove clump, stake with flag and cut limbs.
- 6029 - NE tip of mangrove islet, stake with flag, cut limbs.
- 6030 - North of two palm trees, stake with flag.
- 6031 - East tip of mangrove island, stake with flag, cut limbs.
- 6032 - West tip of mangrove island, stake with flag and cut limbs.
- 6033 - Small detached clump of mangrove, stake with flag.
- 6034 - Detached mangrove clump just east of net racks, stake with flag.
- 6035 - Corner of L shaped pier.
- 6036 - End of pier.
- 6037 - Small detached clump of mangrove, stake with flag, cut limbs.
- 6038 - Small clump of bushes on point, stake with flag, cut limbs.
- 6039 - Small palm tree, just south of ivory and blue lawn bench.
- 6040 - Southerly of 3 palm bushes.
- 6041 - End of concrete bulkhead.
- 6042 - White chimney on house with green roof.
- 6043 - Corner of L shaped pier.
- 6044 - Shore end of piece of dredging pipe, stake with flag.
- 6045 - End of concrete bulkhead.

- 6046 - Small wood platform.
- 6047 - Angle in bulkhead.
- 6048 - End of concrete part of pier, pier ruins are outside of signal.
- 6049 - SW corner of pier.
- 6050 - Small detached clump of mangrove, stake with flag.
- 6051 - East gable of boat-house in cove.
- 6052 - South chimney on house with red tile roof.
- 6053 - Prominent TV antenna on brown house.
- 6054 - Green chimney at east end two story house.
- 6055 - East end concrete bulkhead.
- 6056 - Corner of concrete bulkhead.
- 6057 - State Road Department BM Disk in east end of culvert headwall.
- 6058 - Southwest corner prominent motel.
- 6059 - Corner concrete bulkhead.
- 6060 - Stake with flag on west shoulder causeway about halfway from tall house to first bridge. Stake located by Traverse, see Form 24A.
- 6061 - Australian Pine bush on east side causeway. Stake with flag driven beside bush.
- 6062 - Center of bridge-tenders house.
- 6063 - Southwest corner large boat-shed.
- 6064 - Northwest corner large boat-shed.
- 6065 - Southerly gable building on pier.
- 6066 - Southwest gable building on pier.

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10560 ✓

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

5. Classification label Unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy RRW✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG✓ 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 JG✓ 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
M. M. Slavney Supervisor, Review Section of Unit
Jesse A. Giles M. M. Slavney

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.

Complier

Supervisor

43. Remarks:

Don't Type

TIDE COMPARISON

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph. 171 T-10560

Time and date of exposure 1026 4-7-57

Reference station TAMPA BAY, FLA.

Mean range 1.4

Date of field inspection

Subordinate station

Ratio of ranges

	Time	
	h.	m.
High tide	10	28
Low tide	1	47
Duration of rise or fall	10	41

	Height		Height x Ratio of ranges
	feet		
High tide	1.5		1.5
Low tide	0.8		0.8
Range of tide	2.3		2.3

	Time	
	h.	m.
High tide at Ref. Sta.	10	28
Time difference	0	00
Corrected time at Subordinate station	10	28

	Time	
	h.	m.
Low tide at Ref. Sta.	1	47
Time difference	0	00
Corrected time at Subordinate station	1	47

	h. m.		Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Photo. No.
	h.	m.					
Time H. T. or L. T.	10	28	Ht. H. T. or L. T.		Feature bares		
Required time	10	28	Tabular correction		Stage of tide above MLW		
Interval	10	28	Stage of tide above MLW		Feature above MLW		55964
Time H. T. or L. T.	1	47	Ht. H. T. or L. T.		Feature bares		
Required time	1	47	Tabular correction		Stage of tide above MLW		
Interval	1	47	Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.	10	28	Ht. H. T. or L. T.		Feature bares		
Required time	10	28	Tabular correction		Stage of tide above MLW		
Interval	10	28	Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.	1	47	Ht. H. T. or L. T.		Feature bares		
Required time	1	47	Tabular correction		Stage of tide above MLW		
Interval	1	47	Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.	10	28	Ht. H. T. or L. T.		Feature bares		
Required time	10	28	Tabular correction		Stage of tide above MLW		
Interval	10	28	Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.	1	47	Ht. H. T. or L. T.		Feature bares		
Required time	1	47	Tabular correction		Stage of tide above MLW		
Interval	1	47	Stage of tide above MLW		Feature above MLW		

Computed by W.H.

Checked by Ed

TIDE COMPARISON

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph-171 T-10560

Time and date of exposure 0812 4-16-57
7159 9-16-57
0859 4-16-57

Reference station TAMPA BAY, FLA. (St. Petersburg)
Subordinate station

Mean range 1.4
Ratio of ranges 1.6

Date of field inspection

	Time		Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
	h.	m.				
High tide	14	21	1.8	1.8	14	21
Low tide	8	06	0.4	0.4	8	06
Duration of rise or fall	6	15		1.4	14	21
					Corrected time at Subordinate station	Corrected time at Subordinate station
					High tide at Ref. Sta. Time difference	Low tide at Ref. Sta. Time difference
					Corrected time at Subordinate station	Corrected time at Subordinate station

	h.	m.	feet	Photo. No.
Time H. T. or L. T.	08	06	0.4	55997
Required time	08	12	—	
Interval	06		0.4	
Time H. T. or L. T.	10	06	0.4	57 L 1631
Required time	11	07	+ 0.7	
Interval	3	01	1.1	
Time H. T. or L. T.	08	06	0.4	56064
Required time	08	59	—	
Interval	43		0.4	
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				

COMM-DC-57848

Computed by W.H.S. Checked by R.L.

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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. Lando
Chief, Review Section
Photogrammetry Division

Max L. Lando
Chief, Nautical Chart Branch
Chart Division

R. W. Krauss
Chief, Photogrammetry
Division

J. Bowie
Chief, Coastal Surveys

18 May 60