

11386

Original

Diag. Cht. Nos. 1256, 1255 & Insert.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. Ph-146	Office No. T-11386
LOCALITY	
State	FLORIDA
General locality	GULF COAST
Locality	MYAKA RIVER TO LEMON BAY
1953-1954	
CHIEF OF PARTY	
Ira R. Rubottom, Chief of field party	
H. C. Applequist, Tampa Photo Office	
LIBRARY & ARCHIVES	
DATE	

COMM-DC 61300

DESCRIPTIVE REPORT - DATA RECORD

T-11386

Project No. (II): 6146

Quadrangle Name (IV):

Field Office (II): Englewood Florida

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Tampa Fla.

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 2 July 1954
Amendment 1, 9 Nov. 1954

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):

NOV 9 1955

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): ENGLEWOOD 1934

Lat.: 26° 56' 44.1" 274 (1362.6m)

Long.: 82° 21' 13.1" 642 (376.3m)

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. H. Shearouse
I. I. Saperstein
R. R. Wagner

Date: 23 Dec. 1954

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): Inapplicable

Date:

Mean High Water Location (III) (State date and method of location): 1 Dec. 1953
Air Photographic Compilation

Projection and Grids ruled by (IV): Austin Riley(W.O.)

Date: 7 Sept. 1954

Projection and Grids checked by (IV): Austin Riley (W.O.)

Date: 28 Sept. 1954

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

Date: 9 March 1955

Control checked by (III): I. I. Saperstein

Date: 9 March 1955

Radial Plot ~~on Stereoscopic~~
~~Control~~ extension by (III): M. M. Slavney

Date: 9 March 1955

Planimetry
Stereoscopic Instrument compilation (III): Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): R. R. Wagner

Date: 2 May 1956

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

Date: 6 June 1956

Elevations on Manuscript
checked by (II) (✓): Inapplicable

Date:

DESCRIPTIVE REPORT - DATA RECORD

SHORELINE SURVEY

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9-lens

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
42808	1 Dec. 1953	12:24		1:10,000	0.9
42809	"	12:24		"	"
42816	"	12:38		"	"
42817	"	12:39		"	"
42818	"	12:40		"	"
42819	"	12:41		"	"
42906	"	13:47		"	0.8
42907	"	13:48		"	"
42908	"	13:49		"	"

Tide (III) Predicted Tables

Reference Station: Tampa Bay
Subordinate Station: Punta Gorda Charlotte Harbor
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	1.5	2.0
0.9	1.4	1.9

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 9
Shoreline (More than 200 meters to opposite shore) (III): 6
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 8
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): 26*

Recovered: 5
Recovered:

Identified: 3
Identified:

Remarks:

* Two fall north of manuscript.

THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-11384

COMPILATION REPORT T-11386PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

The graphic method was used.
The photographs were of very poor scale.
The field inspection was good.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No statement.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The low-water and shoal lines are based on field inspectors notes.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

There are no aids.
Form 567 for the one Landmark was submitted to the Washington Office on 3 August 1956.

38. CONTROL FOR FUTURE SURVEYS

A list of topographic and photo-hydro stations has been furnished the hydrographic party. This list is itemized under Item 49.

39. JUNCTIONS

Junctions have been made with T-11384 to the north, T-11385 to the west, T-11387 to the east, and T-11389 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Maps T-5855 and T-5856 and T-5880, scale 1:10,000 dated 1944. They are in fair agreement with the manuscript.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Charts 1255 and 1256, scale 1:80,000 dated 29 March 1948 corrected to 14 March 1955. The two are in fair agreement with the manuscript.

The 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

R. R. Wagner
R. R. Wagner

Approved and Forwarded:

H. C. Applequist

H. C. Applequist
Chief of Party

48. GEOGRAPHIC NAME LIST

AINGER CREEK

BIRD KEY
BUCHAM AIRPORT

ENGLEWOOD
ENGLEWOOD ROAD

FLORIDA
FURBECH POINT

GODFREY CREEK
GULF OF MEXICO

LEMON BAY

MYAKKA RIVER

STATE 775
STATE 776
STATE 777

THE ROCKS

A. J. Wraight
Geog. Names Sec.

T-11386
(Ph-146 Florida)

49. NOTES FOR THE HYDROGRAPHER.

A list of twenty-four (24) photo-hydro stations follows. Note "A" means that there is a 1x1-inch flagged stake driven in the ground which extends 2-3 feet and a 1x2-inch stake nearby which usually projects one (1) foot:

- 8601 - Triangulation station LBY (USED) 1938. Flagged
- 8602 - Seaward end of pier in ruins.
NOTE: This is 2nd pier north of large boathouse and should be verified before using on account of ditching operations which may destroy pier. Station approx. 1,000 feet northwest of large boathouse. Not flagged. Photo 42808.
- 8603 - Northeast gable of roof of white two-story boathouse.
Photo 42809.
- 8604 - Northeast corner of pier. There is a pitcher pump on pier.
Not flagged. Photo 42809.
- 8605 - East gable of open boathouse on south side of pier. Photo 42809.
- 8606 - Tip of mangrove. The mangrove is low, on a sand beach and at H.W.L. Marked Note A. Photo 42808.
- 8607 - Triangulation Station LBS (USED) 1938. Flagged.
- 8608 - West gable of fish house. The building projects out seaward from other buildings to which it is connected. Photo 42808.
- 8609 - Southwest gable of boathouse. Gray colored, tin roofed and at end of pier. Photo 42808.
- 8610 - Lone mangrove bush approx. 15 feet north along shore from palm and approx. 1,000 feet northeast from point. Marked Note A.
Photo 42808.
- 8611 - Triangulation station LBU (USED) 1938. Flagged.
- 8612 - 4-inch pile at east end of shoal. See photo 42808 for sextant fix.
- 8613 - Small green roofed shed near end of pier. Not flagged.
Photo 42818.

- 8614 - West gable of two-story yellow house. The roof is brown and there is a large chimney at south side of house. The only two-story along waterfront. Photo 42818.
- 8615 - Center of seaward end of T-shaped pier. It is the longest pier in area. Not flagged. Photo 42818.
- 8616 - Seaward end of pier. Southerly pier along built-up waterfront and just north of 4 pile in group. Not flagged. Photo 42818.
- 8617 - Northwest corner of L-shaped pier. There is a small pole with weathervane atop marking signal site. Photo 42818.
- 8618 - Lone 12-foot tall palm 25 feet inshore from M.H.W.L. Marked Note A. Photo 42818.
- 8619 - Small australian pine in bush at southwest corner of fill. It is tree nearest water and southerly of 5 in row. Marked Note A. Photo 42819.
- 8620 - Northwest corner of gray house with gray roof and northerly of 5 houses. Photo 42808.
- 8621 - Yellow chimney on yellow house trimmed in green. Photo 42809.
- 8622 - Center of northerly of two small seagrape bushes, 24 feet inside of grass line, 57 feet from H.W.L. Note A. Photo 42809.
- 8623 - Intersection of bridge and wingwall at southeast corner of bridge. Not marked. Photo 42819.
- 8624 - Church steeple with cross atop approx. 1,000 feet inshore. (Recommended as a landmark). Not marked. Photo 42818.

The following topographic station is situated on the eastern side of LEMON BAY:

ENGLEWOOD AZIMUTH, 1934

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 11386

Time and date of exposure Dec 1 1953 Reference station Tampa Bay Florida Mean range 1.0
 Date of field inspection Port Boca Grande, Charlotte Harbor Subordinate station Port Boca Grande, Charlotte Harbor Ratio of ranges 0.7

	Time		Height feet	Height x Ratio of ranges	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			h.	m.			
High tide	10	06	1.0	0.7	11	41	15	48	
Low tide	15	13	0.8	0.6	-1	35	-1	35	
Duration of rise or fall	4 07		0.1		10 06		14 13		

	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.
	h.	m.									
Time H. T. or L. T.	14	13	Ht. H. T. or L. T.			0.6	Feature bares				
Required time	12	20	Tabular correction			0.0	Stage of tide above MLW				
Interval	1	43	Stage of tide above MLW			0.6	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				

Computed by RAW Checked by 115

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-11386

1. Projection and grids I.G. 2. Title I.G. 3. Manuscript numbers I.G. 4. Manuscript size I.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) I.G. 7. Photo hydro stations I.G. 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report I.G. 11. Detail points I.G.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline I.G. 13. Low-water line I.G. 14. Rocks, shoals, etc. I.G. 15. Bridges I.G. 16. Aids to navigation XX 17. Landmarks I.G. 18. Other alongshore physical features I.G. 19. Other along-shore cultural features I.G.

PHYSICAL FEATURES

20. Water features I.G. 21. Natural ground cover I.G. 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features I.G.

CULTURAL FEATURES

27. Roads I.G. 28. Buildings I.G. 29. Railroads XX 30. Other cultural features I.G.

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names I.G. 34. Junctions I.G. 35. Legibility of the manuscript I.G. 36. Discrepancy overlay XX 37. Descriptive Report I.G. 38. Field inspection photographs I.G. 39. Forms I.G.40. Jesse A. Giles William A. Rouse
Jesse A. Giles Reviewer William A. Rouse 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:

Review Report

Shoreline Maps

T-11384 thru T-11388

January 1965

61. General Statement

Area - The project encompasses the west coast of Florida from Venice to Big Hickory Pass, including Charlotte Harbor and Fort Meyers.

Purpose - The object of this project is to provide shoreline and horizontal control data for hydrographic surveys and to provide data for nautical chart revisions.

62. Comparison with Registered Topographic Surveys

T-5855	1:10,000	1944
T-5856	1:10,000	1944
T-5877	1:10,000	1944
T-5879	1:10,000	1944
T-5880	1:10,000	1944
T-8409	1:20,000	1955
T-8410	1:20,000	1944

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Myakka River	1:24,000	1944
Venice	1:24,000	1944
Englewood	1:24,000	1956
Englewood NW	1:24,000	1957
El Jobean	1:24,000	1957
Punta Gorda	1:24,000	1957

There are cultural and shoreline changes but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8153	1:20,000	1955
H-8155	1:10,000	1955
H-8357	1:10,000	1957
H-8469	1:10,000	1959
H-8471	1:10,000	1959
H-8472	1:10,000	1959

Shoreline and control was furnished prior to hydrography and no changes of importance exist.

65. Comparison with Nautical Charts

1255	1:80,000	1956
1256	1:80,000	1955
857 SC	1:40,000	1964

There are only minor differences that exist. However, their are no items to be applied immediately.

66. Accuracy of Results and Future Surveys

These surveys were constructed according to project instructions and are within the required accuracy for nautical charting.

Reviewed by,

L. C. Lande
L. C. Lande

Approved by:

Charles J. Linn

Chief, Photogrammetric Branch Chief, Nautical Chart Division

M. C. Watts

for Chief, Photogrammetry Division

