

# 11393

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Diag. Cht. No. 1255.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline
Field No. Ph-146	Office No. T-11393
LOCALITY	
State	Florida
General locality	Gulf Coast
Locality	Charlotte Harbor to Cabfish
Creek	
1953-55	
CHIEF OF PARTY	
I.R. Rubottom, Chief of Field Party	
H.C. Applequist, Tampa Photo Office	
LIBRARY & ARCHIVES	
DATE	February 1965

USCOMM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T- 11393

Project No. (II): 6146

Quadrangle Name (IV):

Field Office (II): Punta Gorda Fla.

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 No. 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): 16 JUL 1959

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): HALFWAY, 1934

Lat.: 26°51'20." 377(627.1m)

Long.: 82°09'26." 821(740.4m)

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)

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

SHORELINE SURVEY

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. H. Shearouse

Date: Dec. 1955

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): Inapplicable

Date:

Mean High Water Location (III) (State date and method of location): December 1955

Air Photo Compilation

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

Date: 13 Sept. 1954

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

Date: 28 Sept. 1954

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

Date: 5 April 1955

Control checked by (III): R. A. Reece

Date: 6 April 1955

Radial Plot of Stereoscopic

Control Extension by (III): M. M. Slavney

Date: 8 June 1955

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): R. A. Reece

Date: April 1956

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

Date: June 1956

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

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

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42854-42856	Dec. 1, 1953	13:06	1:10,000	--
42859-42861	"	13:13	"	--
42901-42903	"	13:45	"	--
42918-42920	"	14:00	"	/ 0.6

See item No 35

## Tide (III) Predicted

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

Ratio of Ranges	Mean Range	Spring Range
	1.4	1.9
0.9	1.3	1.7

Refer T-11390  
Date:

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 23  
Shoreline (More than 200 meters to opposite shore) (III): 11  
~~Shoreline (Less than 200 meters to opposite shore) (III):~~  
Control Leveling - Miles (II): None  
Number of Triangulation Stations searched for (II): 4  
Number of BMs searched for (II): None  
Number of Recoverable Photo Stations established (III): 1  
Number of Temporary Photo Hydro Stations established (III): 39

Recovered: 3  
Recovered:

Identified: 2  
Identified:

Remarks:

THE FIELD INSPECTION REPORT IS  
SUBMITTED WITH T-11396

COMPILATION REPORT T-11393PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

The graphic method was used.

Field Inspection was adequate.

Due to the poor scale of many of the photographs, it was necessary to use the ratio projector to a great extent.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated according to field inspectors notes and photo-interpretation. There is no distinct drainage pattern inland.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline is apparent for the most part, being units of mangrove.

Field inspection was adequate for delineation of shoreline features and interpretation of shallow areas, shoal areas and low-water lines.  
1958 photographs were used for minor shoreline changes prior to scribing.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

One Form 524 is being submitted for topographic station DOOR 1955.

The hydrographer has been furnished a list and description of photo-hydro stations. These photo-hydro stations and the one topographic station have been listed under Item 49.

39. JUNCTIONS

A satisfactory junction has been made with T-11390 to the north, T-11392 to the west, T-11394 to the east (water only along junction) and T-11396 to the south. \*

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Coast and Geodetic Survey Planimetric Maps T-5857, T-5858, T-5859 and T-5860, scale 1:10,000, dated 1943. There are no differences worthy of note.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Coast and Geodetic Survey Chart No. 1255 scale 1:80,000 (1st edition) corrected to the 14th of March 1955. The maps listed under Item 46 were evidently the source of topography and the same minor differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*for J. A. Reece*  
Richard A. Reece  
Carto Photo Aid

Approved and Forwarded:

*H. C. Applequist*  
H. C. Applequist  
Chief of Party

\*A different method of portraying flood<sup>ed</sup> areas came into use between final drafting of T-11392 (in 1956) and T-11393 (in 1959). Therefore the symbolization of the flooded areas differs along the junction between latitude 26°49'15" and 29°51'. It is believed that this will not cause any inconvenience to those using the maps.

M. M. S.

*M. M. S.*



48. GEOGRAPHIC NAME LIST

BIG MOUND CREEK  
BOGESS HOLE

CATFISH CREEK  
CATFISH POINT  
CHARLOTTE HARBOR

FLORIDA

SISTER PONDS  
SISTER PONDS CREEK  
STATE 771

TURTLE BAY

WHIDDEN CREEK

*A. J. Wrought*  
*Geog. Names Sec.*

## PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-11393

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

unclassified

6a. Classification label ~~SECRET~~

## 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 XX 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 YY 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 YY 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.40. Jose A. Giles William A. Rasner  
Jose A. Giles, Reviewer William A. Rasner, 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:

M-2623-12

49. Notes for the Hydrographer:

The following is a list of 39 Photo-Hydro stations with a description for each:

- 9301 Small, lone mangrove bush on Oyster bar.  
Marked note A Photo 42854
- 9302 East tip of oyster bar and center one of 3 points.  
Marked note A Photo 42854
- 9303 Round point of oyster bar and on southwest side. This  
part of bar is awash at half tide.  
Marked note A Photo 42854
- 9304 Small mangrove clump on beach, some 20 or more feet  
off mangrove line.  
Marked note A Photo 42854
- 9305 Center of lone "scraggly" mangrove clump about 50 feet off  
mangrove shoreline.  
Marked note A Photo 42854
- 9306 Small mangrove bush on oyster bar.  
Marked note A Photo 42854
- 9307 Southwest tip of mangrove.  
Marked note A Photo 42854
- 9308 Center of partly dead mangrove bush approx 150 feet N E  
from point of mangrove.  
Marked note A Photo 42854
- 9309 Center of small oyster bar.  
Marked note A Photo 42854
- 9310 Northwesterly of 2 small mangrove bushes.  
Marked by lath with flag, only.  
Photo 42861
- 9311 "Scraggly " mangrove tree on point.  
Marked by strips of cloth tied to tree.  
Photo 42861
- 9312 Center of small oyster bar.  
Marked by lath with flag. Photo 42861
- 9313 Center of Southwesterly and larger of 2 mangrove bushes, about  
20 ft. offshore.  
Marked by lath with flag. Photo 42860
- 9314 Center of mangrove clump which is about 10 ft. offshore.  
Marked by strips of cloth tied to limbs. Photo 42860

- 9315 Detached mangrove bush.  
Marked by strips of cloth tied to limbs.  
Photo 42861
- 9316 Seaward edge of mangrove bush.  
Marked by stake only Photo 42861
- 9317 Small mangrove bush about 10 ft. offshore and about 125 ft.  
N of point.  
Marked by stake only Photo 42861
- 9318 Seaward tip (south) of mangrove limb that extends out  
farthest.  
Marked note A Photo 42900
- 9319 South tip of small mangrove island.  
Marked by strips of cloth tied to limbs.  
Photo 42900
- 9320 Tip of mangrove.  
Marked note A Photo 42900
- 9321 Approximately center of oyster bar, a tiny mangrove  
bush is on bar not visible on photo.  
Marked note A Photo 42900
- 9322 South tip of mangrove point.  
Marked note A Photo 42900
- 9323 Seaward tip of mangrove limb which sticks out and about  
50 ft. NW of large detached mangrove clump.  
Marked note A Photo 42900
- 9324 South tip of mangrove clump on southerly of 2 oyster bars.  
Marked note A Photo 42900
- 9325 Seaward tip of mangrove tree on point.  
Marked note A Photo 42900
- 9326 Seaward tip of mangrove limb on point.  
Marked note A Photo 42900
- 9327 NE tip of mangrove on point. There's a dead mangrove tree  
partly in water just east of station.  
Marked note A Photo 42900

Note A.

Lath with small white signal cloth flag tacked to top and  
1"x2" stake driven in ground nearby. The lath usually  
projects about 3 feet; the stake about 1 ft. Both have  
U.S. Govt on their sides in green, red, or black wax crayon.

✓9328 Center of round grass and mud filled hole; water is about 18" deep around hole at MLW.

Marked by a tripod of 2x4's surrounding a taller tripod made of 2x2's.

Labelled "U S Govt" in several places. Photo 42918

✓9329 A 2x2 stake projecting about 5 feet, set on shoal about 1000 feet off shore, in about 2 ft. of water at low tide, and supported by 2, 1x4's set at angles to 2x2.

~~(see angle)~~

9330 Same as 9329 and approximately 2000 ft. to South.

9331 Southwest corner of large oyster bar.  
Marked Note A Photo 42918

9332 Center of Grass and Mud-filled hole in sand and grass bottom; water around hole is about 18 inches at MLW

Marked by a 2x2 stake which extends about 6 ft. above water and braced by 2, 1x4's. Labelled U S Govt. Photo 42919.

9333 Tip of mangrove point, the prominent point, on south side of creek entrance.

Note A Photo 42919

Topo sta. DOOR 1955 replaces ALF 1943.

~~Note to Hydrographer:  $\Delta$  ALF 1943 is broken off and destroyed. However the base is in place and has been flagged for use as a hydro signal site.~~

9334 Sharp point of mangrove on north side of small cove and about 50 ft. south of oyster bar.

Note A Photo 42921

9335 Point of low-hanging mangrove ~~limb~~ limb about 100 ft. NW of large oyster bar.

Note A Photo 42920

9336 Point of mangrove about 75 ft. north of prominent mangrove point. Marked by stake with flag. Photo 42920

9337 Center of lone mangrove bush on oyster bar at creek mouth. Marked by stake with flag. Photo 42920

9338 NE tip of small mangrove point about 150 ft. north of entrance to tiny creek.

Marked Note A Photo 42920

9339 2x2 inch stake on shoal, approximately 1300 ft. offshore and projecting about 5 ft.

49. NOTES FOR THE HYDROGRAPHER (cont'd)

The following Topographic Station is for use of the hydrographer:

DOOR 1955

Review Report  
Shoreline Maps  
T-11389 thru T-11394  
February 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-5856	1:10,000	1944
T-5857	1:10,000	1944
T-5858	1:10,000	1944
T-5859	1:10,000	1944
T-5860	1:10,000	1944
T-5875	1:10,000	1944
T-5876	1:10,000	1944

There are shoreline changes due to the difference in time interval. These map manuscripts are to supersede the above listed surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Englewood	1:24,000	1956
El Jobean	1:24,000	1957
Punta Gorda	1:24,000	1957
Punta Gorda SE	1:24,000	1956
Punta Gorda SW	1:24,000	1957
Placida	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-8192	1:10,000	1956
H-8193	1:10,000	1956
H-8357	1:10,000	1957
H-8360	1:10,000	1959

64. Comparison with Contemporary Hydrographic Surveys(cont'd)

H-8469	1:10,000	1959
H-8470	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
857 SC	1:40,000	1964

There are only minor differences that exist. However, there 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 Shuman*  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

for *M. E. Wate*  
Chief, Photogrammetry Division



