

11395

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-11395

LOCALITY

State Florida

General locality Gulf Coast

Locality Boca Grande to Gasparilla Pass

1953-55

CHIEF OF PARTY

I.R. Rubottom, Chief of Field Party

H.C. Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE Feb. 1965

USCOMM-DC 5087

11395

DESCRIPTIVE REPORT - DATA RECORD

T - 11395

Project No. (II): **X146**

Quadrangle Name (IV):

Field Office (II): **Boca Grande, 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**

Copy filed in Division of

AMEND. No. 1 - 9 Nov. 1954

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): **MAR 28 1957** 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): **BOCA GRANDE, GASPARILLA INN W. T., TALLER OF TWO, 1955**

Lat.: **26°45'11"030 (339.5m.)**

Long.: **82°15'39"843 (1100.9m.)**

~~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.

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: **June 1955**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II): **Inapplicable**

Date:

Mean High Water Location (III) (State date and method of location): **June 1955**
Air Photo Compilation

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

Date: **14 Sept. 1954**

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

Date: **14 Sept. 1954**

Control plotted by (III): **R. E. Smith**

Date: **18 Mar. 1955**

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

Date: **21 Mar. 1955**

Radial Plot ~~on Stereoscopic~~

Date: **20 July 1955**

~~Control extension~~ by (III): **M. M. Slavney**

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

Date:

Date:

Manuscript delineated by (III): **W. W. Dawsey**

Date: **13 June 1956**

Photogrammetric Office Review by (III): **W. H. Shearouse**

Date: **21 June 1956**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens camera**

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
			Time		
42824	1 Dec. 1953	1243		1:10,000	+0.6
42825	"	1244		"	+0.6
42826	"	1245		"	+0.6

Tide (III)

From Predicted Tides

Reference Station: **TAMPA BAY**Subordinate Station: **PORT BOCA GRANDE, CHARLOTTE HARBOR**

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	1.5	2.0
0.7	1.0	1.3

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): **5**Shoreline (More than 200 meters to opposite shore) (III): **12**~~Shoreline (Less than 200 meters to opposite shore) (III):~~Control Leveling - Miles (II): **Inapplicable**Number of Triangulation Stations searched for (II): **7**Recovered: **7**Identified: **5**Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **2**Number of Temporary Photo Hydro Stations established (III): **45**

Remarks:

THE FIELD INSPECTION REPORT IS

SUBMITTED WITH T-11396.

COMPILATION REPORT T-11395

PHOTOGRAMMETRIC PLOT REPORT.

This report is submitted with T-11396

31. DELINEATION.

The graphic method was used. Field inspection was adequate. Photographs were clear and of fair scale.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA..

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

Drainage was delineated according to field inspection notes and photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

No difficulty was encountered in the delineation of the shoreline and alongshore details. The shoreline inspection was very good.

All low-water and shoal lines were based on data furnished by the field party.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

Form 567 for landmarks was submitted to the Washington Office 14 June 1956. Form 567 for Aids was submitted 21 December 1955.

38. CONTROL FOR FUTURE SURVEYS.

One (1) Recoverable topographic station was recovered and one (1) established. Forty-five (45) photo-hydro stations have been established. Form 524 has been submitted for each of the topographic stations.

A list of all stations has been prepared and included under Item 49.

39. JUNCTIONS.

Satisfactory junctions have been made with:

T-11398 - to the south
T-11396 - to the east
T-11392 - to the north
No contemporary survey to the west

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with C&GS Planimetric Map T-3859, 1:10,000 scale, edition of 1943. No appreciable differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

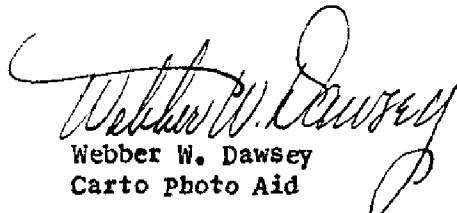
Comparison has been made with C&GS Chart No. 474, scale 1:40,000, published July 47, corrected to 6 April 1953. The chart compares favorably with the manuscript. The map listed under Item 46 appears to be the source of topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY..

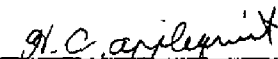
None.

ITEMS TO BE CARRIED FORWARD.

None.


Webber W. Dawsey
Carto Photo Aid

APPROVED & FORWARDED:


H. C. Appiequist, Chief of Party

48. GEOGRAPHIC NAME LIST.

BOCA GRANDE
BOCA GRANDE CANAL
BOCA GRANDE - PLACIDA FERRY

CHARLOTTE HARBOR

FLORIDA

GASPARILLA
GASPARILLA SOUND
GASPARILLA ISLAND
GASPARILLA PASS
GULF OF MEXICO

HOAGEN KEY
HOLE IN THE WALL
HOLE IN THE WALL FLATS

JACK POINT

LOOMIS CUT
LOOMIS ISLAND

PEEKINS RANCH COVE

SEABOARD AIR LINE

THE GROUPE HOLE
THREE SISTERS

A. J. Wright
Geog. Names Sec.

49. Notes for the Hydrographer:

The following is a list of 45 photo-hydro stations with a description for each, topographic stations and fixed aids to navigation that may be helpful to the Hydrographer:

9501 N E gable of White house with tin roof
Photo 42824

9502 Center of 5 ft. tall clump of Myrtle-like bush. 180ft. SW of MHWL and 60 ft. SSE of 2 large Australian pines, the Westerly one of which is almost dead. Marked note A.

9503 O COOT, 1955

On low sand dune in center of seagrape bush, 51 ft. E of HWL, 135 ft. S of large Australian pine, 130 ft. NW of Australian pine clump flagged.

9504 25 ft. tall (Approx) Australian pine, 147 feet inshore from MHWL and approximately 400 ft. SE of large Australian pine. The pine identified is the Southerly one for about 1000 feet.
Marked note A Photo 42825

9505 Center of low bush that looks somewhat like Cedar. 102 feet inshore from MHWL just SE of Seagrape bush, approximately 110 feet S of Seagrape bush, and approximately 100ft. NW of Seagrape.
Marked note A Photo 42825

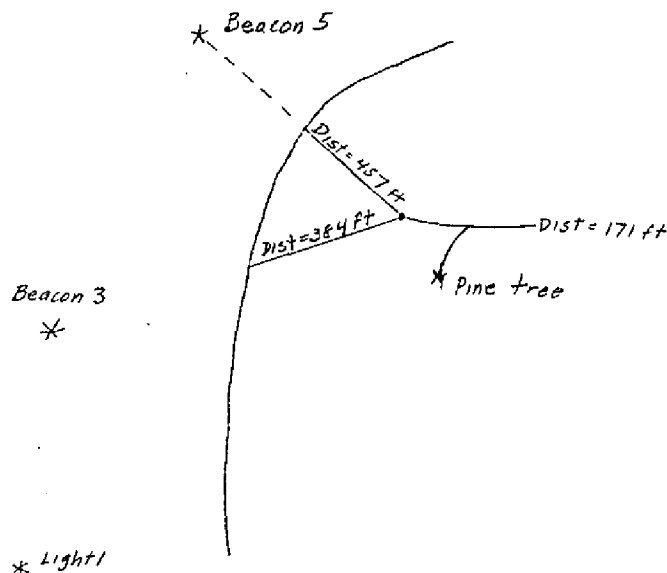
9506 Australian pine, approximately 20 ft. tall, skinny, 162 ft. inshore MHWL, approximately 90 ft. N more inshore than 2 Australian pines.
Marked note A Photo 42825

9507 At NW end of grass covered sand dune, 24 ft. from MHWL and 45 ft. S of last Australian pine in long row.
Marked note A Photo 42824

9508 Northeasterly of 3 small Cedar-like bushes in slight valley behind the dunes, approximately 25 ft. West of 2 Australian pines then there's a gap of a hundred feet or so to the North and some more pines, 100 ft. from MHWL
Marked note A Photo 42824

9509 Center of Seagrape bush, 171 feet WNW of medium sized and small Australian pine in clump, 457ft. SE of MHWL on line with Beacon 5, 384 Ft. ENE of MHWL on line with Beacon 3, the most conspicuous seagrape in area being about 10ft. wide and 3 ft. tall.
Marked note A Photo 42824

(see following page for sketch)



9510 Center of low, grass-covered sand dune, 36 ft. SW of HWL and near midway the rounded point.

Marked note A

Photo 42824

9511 Beacon 5

9512 Beacon 3

9513 Little Gasparilla Pass Light 1, 1955.

9514 Round clump of Seagrape just behind first ridge of dunes, approx. 200 ft. W of large dead tree, and 63 ft. from MHWL

Marked note A

Photo 42825

9515 Center of round, low Seagrape bush, about 20 ft. back of line of grass on beach, 63 ft. from MHWL, approx. 125 ft. seaward from large leaf Seagrape bush.

Marked note A

Photo 42825

9516 Clump of Cedar-like weed 42 ft. from MHWL, just back of the grass line, southerly of 2 such clumps, about 20 ft. apart, approx. 40 ft. E of lone palm which is southerly one near beach and approx. 100 ft. SW of large clump of brush with small palm at it's SW'ly edge.

Marked note A

Photo 42825

9517 Grass clump at grass line on beach, immediately in front of large bush area and 48 ft. from MHWL. There is a tiny Australian pine about 20 ft. SE of Sta. 11.

Marked note A

Photo 42825

9518 NW tip of grass clump, approx 50 ft. NW of large lone Australian pine the trunk of which has been split, 48 ft. from MHWL and inshore from south end of second group of piling (from the N) on the MHWL.

Marked note A

Photo 42825

9519 Small grass clump at NW corner of larger Seagrape and grass mixed clump, just south of Seagrape bush, approx. 40 ft. west of bunch Yucca plants, approx. 125 ft. SW of bunch of large dead trees, and 21 ft. from MHWL.

Marked note A

Photo 42825

- 9520 Center of clump of Yucca plants (Spanish Bayonet) 65 ft. from MHWL, just N of 10ft. ⁹¹¹stump of palm tree.
Marked note A Photo 42825
- 9521 Gable, 1955
West gable of peaked roof of 2-story White house, trimmed in green with shingle roof.
Photo 42826
- 9522 West gable of brown house with red tile roof. There's a chimney on either side, the southerly one being the taller.
Photo 42826
- 9523 Northerly of 2 chimneys on white stucco house, near north end and on highest part of house.
Photo 42826
- 9524 West gable of south part of large white house with red tile roof.
Photo 42826
- 9525 First power pole on shoal on north side of channel along northeast side of Gasparilla Island.
Not marked Photo 42824
- 9526 Center of peak ridge of northerly of 2 large fish houses (abandoned) on east side of railway fill.
This peak ridge is about 20 ft. long, and the center is the point to use. It is unmarked.
Photo 42824
- 9527 Center of seaward edge of large mangrove bush which is about 2/3 way along small beach.
Marked note A Photo 42825
- 9528 Seaward edge of mangrove clump which extends out onto white sand beach which is covered at high water. The station is at North side of small beach or break in mangrove shoreline.
Marked note A Photo 42825
- 9529 Center of detached, round mangrove clump.
Marked note A Photo 42825
- 9530 North tip of mangrove near NW end of cove.
Marked by several strips of cloth tied to limbs. Photo 42825
- 9531 Seaward edge of mangrove bush which is low and sticks out into water and is about at bottom of curve in shoreline.
Marked by strips of cloth tied to limbs.
Photo 42825
- 9532 Seaward tip of mangrove on small point on north side of

of small cove or indenture, in shoreline and at south side of entrance to bay.

Marked note A

Photo 42825

9533 Center of detached mangrove clump in cove.
Marked note A Photo 42825

9534 Southeast tip of sandy (gray) area on bottom. This area is surrounded by grassy (black) bottom. Station is approx. 150 ft. SW of point of Mangrove Island. Water is about $\frac{1}{2}$ ft. deep at MLW.
Marked with lath with flag only. Photo 42825

9535 Seaward edge of low mangrove bush on highwater line, approx. 750 ft. S of Ferry landing.
Marked note A Photo 42825

9536 Seaward tip of mangrove bush on point which hangs in water at high tide.
Marked by flags tied to limbs. Photo 42826

9537 Seaward tip of mangrove limb which extends out into water at high tide.
Marked by flags tied to limb.

9538 Seaward tip of mangrove tree which sticks out into the water on rounded point.
Marked by strips of cloth tied to limbs. Photo 42826

9539 Southeast corner of 1 story white house with green roof.
Photo 42826

9540 SE edge of old mangrove tree roots which now have a few new limbs.
Marked note A Photo 42826

9541 7'x6' palmetto clump about 25 ft. inshore and at N edge of golf course.
Marked note A Photo 42826

9542 SW parts of rounded mangrove on large round point.
Marked by strips of cloth tied to limbs.
Photo

9543 Seaward tip of mangrove limbs.
Marked note A Photo 42826

9544 SE end of yellow sand spot on bottom. The spot is about 30 ft. long, shaped somewhat triangular and is just east of and about midway a long sandy shoal. About $2\frac{1}{2}$ ft. deep at MHW.
Marked note A Photo 42852

9545 Seaward end of groin that is above water.
Marked by 1"x 2" stake. Photo 42826

TANK, ELEVATED MUNICIPAL INCINERATOR (1943) 1955
FERRY ROUTE DAYBEACON 3
FERRY ROUTE DAYBEACON 4 (Shown as 5 in 1955 Light List)
GASPARILLA SOUND DAYBEACON 11
GASPARILLA SOUND DAYBEACON 13
GASPARILLA SOUND DAYBEACON 14
GASPARILLA SOUND LIGHT 13A
COOT, 1955

Note A: A lath with small signal cloth flag attached, 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, written with red or green wax pencil. Some also bear the station number.

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11395

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHSUnclassified
In Classification Label

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations IIS 8. Bench marks XX
9. Plotting of sextant fixes IIS 10. Photogrammetric plot report WAR 11. Detail points WHS

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads WHS 30. Other cultural features WHS

BOUNDARIES

31. Boundary lines X 32. Public land lines X

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay X 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS40. William H. Shearouse William A. Resure
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:

TIDE COMPUTATION

PROJECT NO. Ph-6146 T. 11395

Time and date of exposure 12 45 1953 Reference station TAMPA BAY Mean range 1.0
 Date of field inspection Port Boca Grande, Charlotte Harbor Ratio of ranges 0.7

	Time		Height feet	Height x Ratio of ranges
	h.	m.		
High tide	10	06	1.0	0.7
Low tide	14	13	0.8	0.6
Duration of rise or fall	4 07		0.1	

	Time	
	h.	m.
High tide at Ref. Sta.	11	41
Time difference	-1	35
Corrected time at Subordinate station	10	06

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48
Time difference	-1	35
Corrected time at Subordinate station	14	13

	h.	m.	feet	Photo. No.
Time 12 45 L. T.	14	13		
Required time	12	45		42826
Interval	1	28		
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				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				

M-2617-12

Computed by 4 428 Checked by 115

Review Report
Shoreline Maps
T-11395 thru T-11400
March 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-5859	1:10,000	1944
T-5860	1:10,000	1944
T-5861	1:10,000	1944
T-5862	1:10,000	1944
T-5873	1:10,000	1944
T-5874	1:10,000	1944
T-5875	1:10,000	1944

There are cultural and shoreline changes due to the differences in the time interval. T-11395 thru T-11400 are to supersede the above surveys of common area.

63. Comparison with Maps of Other Agencies

Placida	1:24,000	1957
Punta Gorda SW	1:24,000	1957
Punta Gorda SE	1:24,000	1956
Port Boca Grande	1:24,000	1958
Bokeelia	1:24,000	1958
Matlacha	1:24,000	1958

There are no significant differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8193	1:10,000	1956
H-8194	1:10,000	1957
H-8195	1:10,000	1960
H-8196	1:20,000	1959
H-8358	1:10,000	1957
H-8361	1:10,000	1959

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no differences of importance exist.

