

11385

Diag. Cht. Nos. 1255 and 1256.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey **SHORELINE**Field No. **Ph-146** Office No. **T-11385**

LOCALITY

State **FLORIDA**General locality **GULF COAST - LEMON BAY**Locality **BLIND PASS TO FORKED CREEK**1953-1954

CHIEF OF PARTY

H. C. Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE

58311

DESCRIPTIVE REPORT - DATA RECORD

T - 11385

Project No. (II): 27310
(Ph-146)

Quadrangle Name (IV):

Field Office (II): Englewood, Florida

Chief of Party: H. C. Applequist

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 2 July 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 30 1956

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 low water~~ except as follows:
Elevations shown as (26) 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): TT 41 JA, USGS, 1952

Lat.: 26°58'51".36 (1580.7m.)

Long.: 82°23'49".37 (1361.4m.)

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.

DESCRIPTIVE REPORT - DATA RECORD

INAPPLICABLE

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. H. Shearouse**
I. I. Saperstein

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):

23 December 1954
Air Photo Compilation

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

Date: **3 Sept. 1954**

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

Date: **28 Sept. 1954**

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

Date: **18 Jan. 1955**

Control checked by (III): **M. M. Slavney**

Date: **18 Jan. 1955**

Radial Plot ~~and stereoscopic~~ **M. M. Slavney**
~~Control extension~~ by (III):

Date: **2 March 1955**

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

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **29 April 1955**

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

Date: **14 Feb. 1956**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
42807	1 Dec. 1953	1223	1:10,000	+ 0.7
42808	"	1224	"	"
42809	"	1225	"	"
42816	"	1239	"	"
42817	"	1239	"	"

Tide (III)

Predicted

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): **2**

Shoreline (More than 200 meters to opposite shore) (III): **12**

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

Control Leveling - Miles (II): **0**

Number of Triangulation Stations searched for (II): **9**

Recovered: **8**

Identified: **2**

Number of BMs searched for (II): **0**

Recovered: **0**

Identified: **0**

Number of Recoverable Photo Stations established (III): **1**

Number of Temporary Photo Hydro Stations established (III): **48**

Remarks:

THE FIELD INSPECTION REPORT IS
SUBMITTED WITH T-11384

COMPILATION REPORT T-11385

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

Compiled graphically.

The scale of the photographs was poor.

The field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage has been delineated according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated according to the field inspector's notes.

Shoreline inspection was adequate.

Low-water and shoal lines were based on field inspection.

36. OFFSHORE DETAILS

Offshore detail has been delineated according to field inspection notes.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

All temporary photo-hydro stations (48) and one (1) topographic station are listed under Item 49. ✓

39. JUNCTIONS ✓

A satisfactory junction has been obtained with T-11384 on the north and T-11386 on the east. There are no contemporary surveys on the west and south. ✓

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with C&GS Planimetric Maps T-5855 and T-5856, scale 1:10,000, compiled from aerial photographs taken December 1939; supplemented by other surveys to January 1944. The shoreline is generally the same; however, there are numerous along-shore structural changes such as sea walls, piers, boat slips, etc.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with C&GS Nautical Chart No. 1256, published March 1943, scale 1:80,000, and bearing a print date of 13 July 1953. The maps listed under Item 46 were the source of topography for the nautical chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto Photo Aid

APPROVED & FORWARDED..


H. C. Applequist, Chief of Party

48. GEOGRAPHIC NAME LIST

BUCHAN AIRPORT ✓
BLIND PASS ✓

FLORIDA ✓
FORKED CREEK ✓

GULF OF MEXICO ✓

LEACHS KEY ✓
LEMON BAY ✓

A. J. Wright
Geog. Names Sec.

49. NOTES FOR THE HYDROGRAPHER.

The following is a list of fifty (50) photo-hydro stations. Note "A" indicates there is a 1x1-inch stake (with a small flag) and usually projects three (3) feet with a 1x2-inch stake nearby projecting one (1) foot.

Some of the stakes along the Gulf beach have been numbered with green keel so as to help the hydrographer positively identify them.

- 8501 - Triangulation Station EOL 9 (USED), 1938
A tall signal will be required here. A line was cleared through mangrove to station which is 15 or 20 feet inshore.
- 8502 - Palm tree on north side of small boat basin. Marked by flag nailed to tree. Pricked on photo 42807.
- 8503 - Triangulation Station LBN (USED), 1938
- 8504 - North corner of pier. Not marked. Photo 42807
- 8505 - Seaward end of small pier. Not marked. Photo 42807
- 8506 - Southeast tip of land on north side of cut. Approximately 25 feet from shell fill which is about 3 feet higher than station. Point marked is about 10 feet inshore from deep channel. Marked Note A. Photo 42807
- 8507 - Triangulation Station LBR (USED), 1938.
In edge of mangrove. Flagged.
- 8508 - Center of shoreward part of dead brush in water at mouth of ditch. Marked with flag only. Photo 42808
- 8509 - Triangulation Station LBT (USED), 1938.
The station is in a mangrove clump, part of which was cleared away. Approach from north side and flag at station will be visible.
- 8510 - South tip of mangrove on north side of opening in mangrove shoreline and on small sand beach. Marked Note A. Photo 42808
- 8511 - Tip of mangrove on south side of island and about 250 feet from west end of island. Marked by 2 strips of cloth tied to limb. Photo 42808.
- 8512 - Tip of mangrove. Marked with cloth strips tied to limb. Photo 42808
- 8513 - Mangrove bush just north of large mangrove clump. Marked Note A. Photo 42808

- 8514 - Northeast corner of roof of open boathouse about middle and on north side of pier. The roof is green and slopes to north. Photo 42808.
- 8515 - Tip of mangrove on east side of point and at north side of small V in mangroves. Marked Note A. Photo 42808.
- 8516 - Northeast corner of pier. A pile with old tire nailed to it. Not flagged. Photo 42808.
- 8517 - Seaward end of pier in ruins. Not flagged. Photo 42808.
- 8518 - Low mangrove stump about middle of small beach. Marked Note A. Pricked photo 42808.
- 8519 - Northwest corner of pier. Not flagged. Photo 42808.
- * 8520 - West gable of red roof white house. (Falls on T-11384) Photo 42806
- 8521 - Lone 15-foot tall palm tree, at east end of rock sea wall, approx. 120 feet east of point. Marked Note A. Photo 42807.
- 8522 - West edge of mangrove clump about 20 feet west of point and at south side of creek entrance. Marked Note A. Photo 42807
- 8523 - Triangulation Station LBO (USED), 1938. Flagged .
- 8524 - West gable of two-story part of house. The house/^{white}with a green roof. Photo 42807.
- 8525 - Triangulation Station LBQ (USED), 1938. Flagged.
- 8526 - Mangrove bush slightly detached from shore. The bush is bright green in color and about 10 feet tall. On south side of round point. Marked Note A. Photo 42807.
- 8527 - Mangrove bush. Marked Note A. Photo 42807.
- 8528 - Seagrape bush on M.H.W.L. Marked Note A. Photo 42807.
- 8529 - Northwest gable of white wood house with gray roof, approx. 200 feet southeast of yellowish house. There is a small palm frond covered shed on beach in front of station. Photo 42807.
- 8530.- Seagrape bush at edge of grass, approx. 100 feet southeast of small palm frond covered shed and south of light green, flat topped house. Marked Note A. Photo 42807

NOTE: The houses were too indefinite on photo to accurately identify a point.

- 8531 - Lone seagrape bush of grass line and on low bluff. It is the southerly of three seagrape bushes on edge of grass line and approx. 150 feet apart. 33 feet from M. H. W. L. Marked Note A and stake numbered. Photo 42807.
- 8532 - Lone small seagrape bush at grass line and approx. 40 feet north along beach from end of row of large australian pine trees. Marked Note A and stake numbered. Photo 42807.
- 8533 - Topographic station JOH (1944), 1954 (in front of white house trimmed in yellow) 125 feet from M.H.W.L. Flagged.
- 8534 - Tip end of grass on north side of shell path leading to the beach in front of light pink-color house with large chimney on south end. Note A. Stake numbered. Photo 42807.
- 8535 - Small seagrape bush located about 63 feet south of shell path going to beach. Note A and numbered. Photo 42807.
- 8536.- The south tip of seagrape bush at a shell path between beach and very long, approx. 200 feet, gray block house. About 30 feet inshore from grass line. Note A and numbered. Photo 42807.
- 8537 - A 20-foot australian pine tree, alone, and at low sand bluff, 99 feet from M.H.W.L. Marked Note A and stake numbered. Photo 42808.
- 8538 - 35-foot tall TV aerial just northwest of large low white house, white roof and approx. 115 feet from M.H.W.L. Located by angle and distance. Not marked. Photo 42807.
- 8539 - Center of seagrape bush which is approx. 30 feet north of a similar bush, on the first step up to the low sand bluff, and 45 feet from M.H.W.L. Marked Note A and the stake numbered. Photo 42808.
- 8540 - Point of grass on south side of path and at bluff. A palm tree is at the point but could not be identified on photo. It may be used for signal. 42 feet from M.H.W.L. Marked Note A and stake numbered. Photo 42808.
- 8541 - Center of southerly of two seagrape clumps in opening on beach, 60 feet from M.H.W.L. Marked Note A and stake numbered. Photo 42808.
- 8542 - Seaward gable of small shed at bluff line, with steps leading to beach. 40 feet from M.H.W.L. Not flagged. Photo 42808.
- 8543 - Old stone chimney, standing alone, approx. 35 feet inshore from bluff line. It is approx. 25 feet tall. Not flagged. Photo 42808.

- 8544 - Tall TV aerial at south gable of house. The first house south of old stone chimney. Not flagged. Photo 42808.
- 8545 - Seagrape bush approx. 370 feet south along beach from wood groin, 62 feet from M.H.W.L. and at base of sand bluff. Marked Note A and stake numbered. Photo 42808.
- 8546 - Large green colored chimney (southerly of two) atop brown house trimmed in green. Photo 42808.
- 8547 - Red brick chimney atop large tin roofed house. Partially hidden by australian pines but may show good offshore. Photo 42808.
- 8548 - Seagrape bush approx. 150 feet southwest of house and at grass line. Marked Note A and stake numbered. Photo 42808.
- 8549 - Australian pine at south side of trail leading inland. There are two 8-inch square posts marking entrance to trail. Not flagged. Photo 42808.
- * 8550 - Red brick chimney atop peak of roof at northerly of two similar houses. (Falls on T-11386) Photo 42808.

There is one recoverable topographic station: -

JOH (1944) 1954

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11385

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

Unclassified

CONTROL STATIONS

Classification label

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG 7. Photo hydro stations JG 8. Bench marks XX
9. Plotting of sextant fixes XX 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 XX 17. Landmarks XX 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 William A. Rasure Supervisor, Review Section of Unit
Jesse A. Giles 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:

TIDE COMPUTATION

PROJECT NO. Ph. 27310 T-11385

Time and date of exposure 1224 1 DEC 1953 Reference station TAMPA BAY Mean range 1.0 ✓

Date of field inspection 23 DEC 1954 Subordinate station PORT BOCA GRANDE, CHARLOTTE HARBOR Ratio of ranges 0.7 ✓

	Time	
	h.	m.
High tide	11	41
Low tide	15	48
Duration of rise or fall	4 07	

	Height		Height x Ratio of ranges
	feet		
High tide	1.0	✓	0.7
Low tide	0.8	✓	0.6
Range of tide			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 High L. T.	14	13		
Required time	12	24	0.6	47808
Interval	1	49	0.0	
Time H. T. or L. T.			0.6	
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				

Computed by WHS Checked by 115

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 Port 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, 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 L. Lauer
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Math
for Chief, Photogrammetry Division

