11390

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-11390

LOCALITY

State Florida

General locality Gulf Coast

Locality Myakka River Entrance

1953-58

CHIEF OF PARTY

H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE February 1965

USCOMM-DC 5087

11390

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 11390

Project No. (II): 6146 Quadrangle Name (IV):

Field Office (II): Punta Gorda, 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
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): MAY 5 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

~~Heights are~~ 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): TT 36 JA, USGS, 1952

Lat.: 26°53'48.64" (1497.0m.) Long.: 82°11'01.55" (42.8m.) 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.

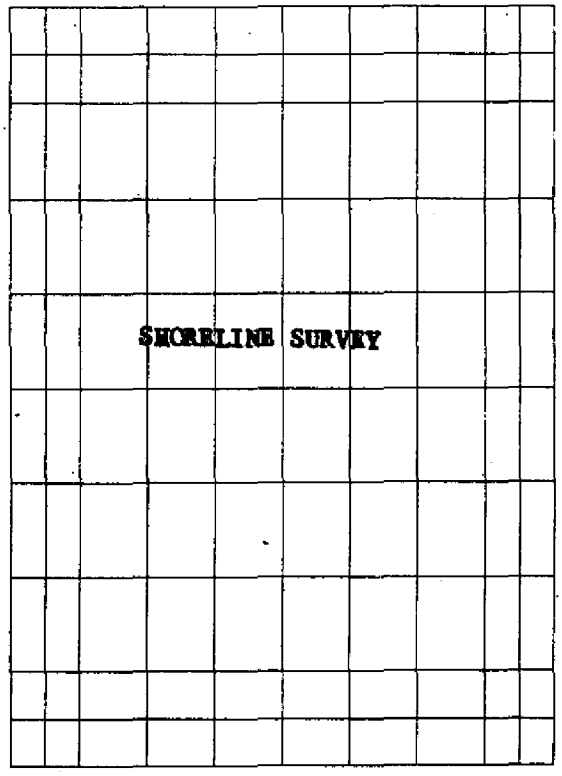
When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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.C.)** Date: **10 Sept. 1954**

Projection and Grids checked by (IV): **Austin Riley(W.C.)** Date: **28 Sept. 1954**

Control plotted by (III): **R. J. Pate** Date: **25 Apr. 1955**

Control checked by (III): **M. M. Slavney** Date: **25 Apr. 1955**

Radial Plot [redacted] by (III): **M. M. Slavney** Date: **8 June 1955**

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

Manuscript delineated by (III): **W. H. Shearouse** Date: **April 1956**

Photogrammetric Office Review by (III): **R. R. Wagner** Date: **April 1956**

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

COMM-DC-57842

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42858	1 Dec. 1953	1312	1:10,000	+0.6
42904	"	1346	"	"
42905	"	1347	"	"
42916	"	1358	"	"
42917	"	1359	"	"
42918	"	1359	"	"

21 oct 1958

585 1459

585 1651 thru 1655 21 oct 1958

Tide (III)

From Predicted Tides

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	TAMPA BAY		1.4	1.9
Subordinate Station:	PUNTA GORDA	0.9	1.3	1.7
Subordinate Station:				

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): 22

Shoreline (More than 200 meters to opposite shore) (III): 10

[redacted]:

Control Leveling - Miles (II): none

Number of Triangulation Stations searched for (II): 8 Recovered: 6 Identified: 6

Number of BMs searched for (II): None Recovered: Identified:

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 31

Remarks:

THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-11396

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-11396.

31. DELINEATION.

The graphic method was used. Scale of the photographs was reasonably good. Coverage was adequate except in the area of HOG ISLAND - approximate latitude 26°55.5', longitude 82°09.0' - where details had to be taken from the wings. This area, however, is believed to be well within accuracy requirements.

Field inspection was satisfactory.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

Drainage has been delineated according to field inspection notes and photographic interpretation.

Tides flood the dense mangrove swamp which is about one-half mile deep along the shore, and extreme high water inundates a strip of denuded, flat, sandy land which parallels the inshore edge of the mangrove. This strip averages about 1500 feet wide and apparently refuses to grow any vegetation except a scattering of scrub mangrove. It has been shown with sand stipple with a note that it floods at extreme high water.

There is no distinct drainage pattern inland. The numerous ponds and intermittent ponds overflow during the rainy season and the run-off areas appear marshy and wet looking on the photographs. To give them proper emphasis the marsh symbol has been used freely.

35. SHORELINE AND ALONGSHORE DETAILS.

Practically all the shoreline is apparent, being limits of mangrove.

Field inspection was adequate for delineation of shoreline features and interpretation of shoal and low-water limits.

36. OFFSHORE DETAILS.

None except shoal and low-water lines mentioned above.

37. LANDMARKS AND AIDS.

There are no landmarks.

MYAKKA RIVER DAYBEACON 9 was reported on Form 567 to the Washington Office on 3 August 1956.

38. CONTROL FOR FUTURE SURVEYS.

Form 524 for recoverable topographic station ANDY, 1955, along with descriptions of thirty-one (31) photo-hydro stations have been prepared and sent to the Ship SOSBEE. They are listed under Item 49.

39. JUNCTIONS.

Junction details are in agreement with T-11387 to the north; T-11389 to the west; and T-11393 to the south. There is water only at the east where it junctions with T-11391.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with C&GS Planimetric Maps T-5858 and T-5879, scale 1:10,000, dated 1943. No significant differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with C&GS Chart No. 1255, Scale 1:80,000 (1st edition) corrected to the 14th of March 1955. Evidently most of the topographic features of the chart were taken from the planimetric maps listed under Item 46. The comparison, therefore, reveals only minor differences.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

William H. Shearouse
William H. Shearouse
Carto Photo Aid

APPROVED AND FORWARDED

H. C. Applequist
H. C. Applequist, Chief of Party

ADDENDUM TO COMPILATION REPORT T-11390

Comparison of shoreline was made with single-lens photographs 58-S-1459 & 58-S-1651 thru 1655 ~~and 1659~~, taken 21 October 1958. Minor differences noted were corrected in red ink on the compilation manuscript and applied to the ADVANCE MANUSCRIPT (VAN DYKE) which had already been made.

Tampa, Florida
10 April 1959

48. GEOGRAPHIC NAME LIST.

Following are base map names:

BLIND CREEK

CATTLE DOCK POINT
CHARLOTTE BEACH
CHARLOTTE HARBOR

FLORIDA

HOG ISLAND

LOCUST POINT

MANGROVE POINT
MUD LAKE
MYAKKA CUTOFF
MYAKKA RIVER

SEABOARD AIR LINE RAILROAD
SHEEPSHEAD CREEK
SHOAL POINT
STATE 771
STATE 776

TROUT CREEK

A. J. Wright
Geog. Names Sec.

Do Not Type

TIDE COMPUTATION

PROJECT NO. Ph-6146 T- 11390

Time and date of exposure 1350 12-1-53 Reference station TAMPA BAY Mean range 1.4 ft

Date of ~~field inspection~~ photos 12-1-53. Subordinate station Proportioned between Port Boca Grande, Charlotte Harbor and Punta Gorda, Charlotte Harbor Ratio of ranges 0.9

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

	Height feet	Height x Ratio of ranges
High tide	1.0	0.9
Low tide	0.8	0.7
Range of tide	0.2	0.2

	Time h.	Time m.
High tide at Ref. Sta.	11	41
Time difference	+	20
Corrected time at Subordinate station	12	01

	Time h.	Time m.
Low tide at Ref. Sta.	15	48
Time difference	+	20
Corrected time at Subordinate station	16	08

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~ Required time Interval	12 01 13 50 1:49	Ht. H. T. ~~or L. T.~~ Tabular correction Stage of tide above MLW	0.9 -0.1 0.8	Feature bares Stage of tide above MLW Feature above MLW		42858, 42904, 42905, 42916, 42917, 42918
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

M-2617-12

Computed by WHS Checked by HS.

Form T-2

50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 11390

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

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.I.S. 7. Photo hydro stations I.I.S. 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report W.A.R. 11. Detail points R.R.W.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads R.R.W. 28. Buildings R.R.W. 29. Railroads R.R.W. 30. Other cultural features R.R.W.

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names W.W.D. 34. Junctions R.R.W. 35. Legibility of the manuscript R.R.W. 36. Discrepancy overlay XX 37. Descriptive Report R.R.W. 38. Field inspection photographs R.R.W. 39. Forms R.R.W.

40. Robert R. Wagner — Reviewer; William A. Rasure — 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. Note to the Hydrographer:
The following is a list of 31 photo-hydro stations with a description for each. NOTE: △ MP is turned over but is good to build hydro signal at. Two stakes were driven by it.

9001 Seaward tip of mangrove bush which projects about 20 ft. offshore.
Note A Photo 42967

9002 Point of mangrove
Marked Note A Photo 42966

9003 Mangrove limb that projects about 10 ft. pffshore from mangrove shoreline.
Note A Photo 42966

9004 Tip of mangrove point.
Note A Photo 42966

9005 Center of mangrove clump on oyster bar.
Note A Photo 42966

9006 10 ft. tall mangrove with roots hanging down to water and which makes a small point on larger point.
Note A Photo 42966

9007 Mangrove limb which extends seaward several feet.
Marked by stake with flag.

9008 Tip of low-hanging mangrove limb.
Note A Photo 42917

9009 Mangrove bush
Note A Photo 42917

9010 Tip of low mangrove bush about 50 ft. from point.
Note A Photo 42917

9011 NW or inshore, point of marsh islet.
Note A Photo 42917

9012 West tip of mangrove point
Note A Photo 42966

9013 Point of mangrove
Note A Photo 42966

9014 Small mangrove tree about center of opening in shoreline.
Marked Note A Photo 42966

9015 Point of mangrove tree
Note A Photo 42966

9016 Center of mangrove bush which is just E of fallen mangrove tree.
Note A Photo 42916

9017 Seaward end of overturned mangrove tree: the roots.
Note A Photo 42916

9018 Lone mangrove tree, approximately 20 ft. tall and surrounded by roots with clusters of oysters attached.
Note A Photo 42916

9019 Center of small sand spot which is awash at MLW and sparsely covered with grass.
Note A Photo 42917

9020 Seaward tip of 10ft. tall mangrove limb which rises above water and is on round point.
Note A Photo 42917

9022 Center of small beach or opening in mangroves. There is a small dark line running across beach with the shoreline and is the point identified.
Note A Photo 42917

9021 Center of round grass in water spot at south side of entrance to small creek and on a sand bar which uncovers at low water.

9023 A 2x2 stake on shoal projecting about 5 ft. and supported by 2, 1x4's at angle. (located by theodolite fix)
A Form 51 U S Property Notice is attached to stake.

9024 A 2x2 stake projecting about 5 ft. and located on bar at mouth of creek. It is supported by 2, 1x4's driven into bottom and nailed to stake, "U S Govt" is keeled on several places. (located by angle and distance. See back of this book)

9025 A 2x2 stake projecting about 5 ft., supported and labelled as 9024 above.

9026 E part of point. A mangrove limb that extends seaward and makes a tiny point.
Note A Photo 42966

9027 South part of point of mangrove.
Note A Photo 42966

9028 Small point of mangrove on SE part of larger point.
Note A Photo 42966

9029 Mangrove point on north side of small cove and about 50 ft. NE of larger point. Stake with flag.

9030 Point of mangrove roots
Note A Photo 42966

9031 Point of mangrove limbs which are about 4 ft. above water.
Note A Photo 42966

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

Approved by:

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

for Chief, Photogrammetry Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11390

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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