

11401

ORIGINAL

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-11401

LOCALITY

State FLORIDA

General locality CALOOSAHATCHEE RIVER

Locality THOMAS CUTOFF

1953 - 19 63

CHIEF OF PARTY

V. Ralph Sobieralski, Tampa Dist. Office

LIBRARY & ARCHIVES

DATE JUL 27 1965

USCOMM-DC 5087

11401

DESCRIPTIVE REPORT - DATA RECORD

T - 11401

PROJECT NO. (II): PH-146		
FIELD OFFICE (III): N. Fort Myers, Fla.		CHIEF OF PARTY V. Ralph Sobieralski
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida		OFFICER-IN-CHARGE V. Ralph Sobieralski
INSTRUCTIONS DATED (II) (III): Field and Office - July 2, 1954 Amendment No. 1: November 9, 1954 Supplement No. 1: December 17, 1956		
METHOD OF COMPILATION (III): Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): Inapplicable
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (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): HALGRIM 1937		
LAT.: 26°42'56.008"(1723.7 m.)	LONG.: 81°46'02.598"(711.8m.)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 865,807.35 Ft. x = 575,933.72 Ft.		STATE Florida
		ZONE West
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 C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): George E. Varnadoe		DATE: Jan. 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation. Date of photography: Feb. 22, 1963		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Feb. 1955
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley		DATE Mar. 1955
CONTROL PLOTTED BY (III): I. I. Saperstein		DATE Jun. 1959
CONTROL CHECKED BY (III): R. R. Wagner		DATE Jun. 1959
RADIAL PLOT OF STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE Sep. 1960
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (II): J. Honick Reviewed by: W. H. Shearouse		DATE Nov. 1963 Jan. 1964
SCRIBING BY (III): V. P. Cackowski Reviewed by: W. H. Shearouse		DATE Apr. 1964 Apr. 1964
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE May 1964
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS Nine lens and Wild single-lens "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
43007 thru 43012	12/2/53	1114	1:10,000)	Not used for
59-W-3608 thru 3610	3/25/59	1036	")	delineation
63-W-3218 thru 3222	2/22/63	1419	"	0.4
63-W-3225 thru 3228	2/22/63	1420	"	0.4

Predicted TIDE (III)

Diurnal

		RATIO OF RANGES	MEAN RANGE	MIN RANGE
REFERENCE STATION: St. Petersburg, Tampa Bay			-	2.3
SUBORDINATE STATION: Fort Myers, Caloosahatchee River		0.5	-	1.0
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 6	RECOVERED: 4	IDENTIFIED: 4*		
NUMBER OF BM(S) SEARCHED FOR (II): None	RECOVERED:	IDENTIFIED		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0				

REMARKS:

* One destroyed station (a dismantled tank) was identified for use in the radial plot.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Manuscript complete pending field edit	Jan. 1964	

SHORELINE MAPPING PROJECT 27310

Charlotte Harbor, FLORIDA

5

82°30'

27°00'

*Fold In Spine
Cap 10528*

OFFICIAL MILEAGE FOR COST ACCOUNTS

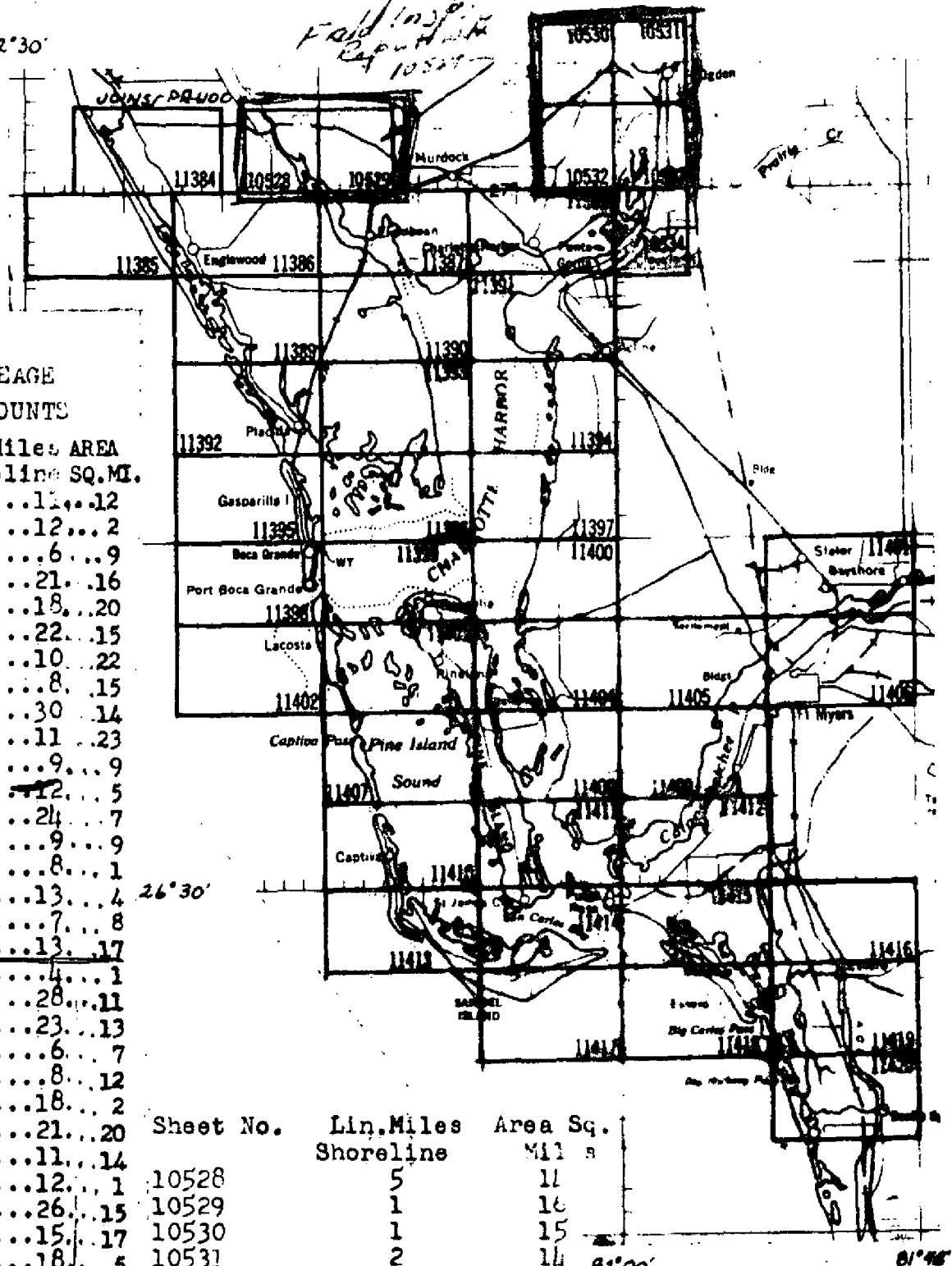
Sheet Lin.Miles AREA
Nos. Shoreline SQ.MI.

T-11384	11	12
T-11385	12	2
T-11386	6	9
T-11387	21	16
T-11388	18	20
T-11389	22	15
T-11390	10	22
T-11391	8	15
T-11392	30	14
T-11393	11	23
T-11394	9	9
T-11395	12	5
T-11396	24	7
T-11397	9	9
T-11398	8	1
T-11399	13	4
T-11400	7	8
T-11401	13	17
T-11402	4	1
T-11403	28	11
T-11404	23	13
T-11405	6	7
T-11406	8	12
T-11407	18	2
T-11408	21	20
T-11409	11	14
T-11410	12	1
T-11411	26	15
T-11412	15	17
T-11413	18	5
T-11414	27	11
T-11415	23	19
T-11416	4	6
T-11417	6	3
T-11418	11	4
T-11419	18	12
T-11420	17	12

Totals 540

393

Sheet No.	Lin.Miles Shoreline	Area Sq. MI.
10528	5	11
10529	1	16
10530	1	15
10531	2	14
10532	2	11
10533	6	12
10534	5	13
Totals	22	98
	540	393
Grand Totals	562	191



FIELD INSPECTION REPORT

Field inspection for T-11401 was done in January 1962 by Mr. George E. Varnadoe.

No report was submitted for the field inspection.

MAP T-11401

PROJECT NO. *Ph-146(54)* SCALE OF MAP *1:10,000*

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER

COMPUTED

BY: *D. W. Miller*

DATE _____

2 Nov 59

CHECKED BY:

181

DATE _____

2 June 19

COMM-DC-57843

COMPILATION REPORT T-11401

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11418.

31. DELINEATION

The graphic method was used.

Six separate flights of photographs cover the area. These are the nine-lens photographs of 1953 and the single-lens photographs of 1958, 1959, 1960, 1961 and 1963. The nine-lens photographs were used in the original radial plot. The 1963 photographs were fixed and used for delineation.

Field inspection was done on 1958, 1960 and 1961 photographs. The following photographs were used:

58-S-1551A thru 1554A
60-W-4481 thru 4483
61-S-6828A and
61-S-6830A thru 6832A

The inspection was adequate and no difficulty was encountered in delineation. However, the 1963 photographs were used without field inspection for the widened Caloosahatchee River waterway. The field editor or hydrographer should give special attention to aids to navigation and shoreline structures along this waterway.

32. CONTROL

See Photogrammetric Plot Report submitted with T-11418.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated from photogrammetric interpretation supplemented by field inspection.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Alongshore details have been shown according to field inspection. No low-water line was shown. Limits of shoals were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

Offshore details were compiled in accordance with field inspection. See item 41.

37. LANDMARKS AND AIDS

Forms 567 for aids to navigation were submitted to the Washington Office under date of February 21, 1962. Form 567 for one landmark is being submitted with this report.

Due to the widening of the Caloosahatchee River waterway, in progress at time of field inspection, aids to navigation eastward of longitude 81°48.5 (excepting Light 43) were not in place. They will be located during field edit and Form 567 submitted. Light 43 has remained in its original position and the image can be seen on the 1963 photographs. Form 567 for it is being submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction is in agreement with T-11406 to the south with the exception of minor vegetation differences due to new photographs showing man-made changes. No junction to the north due to limits of compilation. There is no contemporary survey to the west.

Junction is not in agreement with T-10970 compiled in 1959 (Ph-5806) to the east due to widening of the channel by the Corps of Engineers.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle Fort Myers, scale 1:24,000, edition of 1958. The following major changes appear:

- (1) A new bridge across the Caloosahatchee River extending State Highway 31 to the south.
- (2) Widening of the channels in the vicinity of Thompson Cutoff and Fort Myers Shores.
- (3) A new canal northeast of Buzzards Roost.

Comparison has also been made with USC&GS topographic maps T-5872 and T-5883, scale 1:10,000, compiled from 1942 photographs and supplemented by other surveys in 1943. Many man made and cultural changes have occurred since the 1943 survey.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No. 855-SC, scale 1:40,000, corrected to November 2, 1963. See item 46, comparison with USGS quadrangle. The same changes were noted with the exception of the bridge, which is shown on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

APPROVED AND FORWARDED



Jack Honick

Cartographic Technician (Photo)

For Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from the USGS quadrangle Fort Myers, 1:24,000, edition of 1958.

ATLANTIC COAST LINE RAILROAD

BAYSHORE
BAYSHORE CHAPEL
BEAUTIFUL ISLAND
BUZZARD ROOST

CALOOSAHCHEE RIVER

DAUGHTREY CREEK

FORT MYERS SHORES

MIDWAY ISLAND

ORANGE RIVER
OWL CREEK

POPASH CREEK

SLATER ROAD
STATE 31
STATE 78
STATE 80
STROUD CREEK

THOMPSON CUTOFF
*TROUT CREEK *OK
a.p.w.*

*Name taken from old T-sheet No. 5883 *OK
a.p.w.*

*A. J. Wright
Geog. Names Sec.*

49. NOTES FOR THE HYDROGRAPHER

Widening of the Caloosahatchee River waterway was in progress at time of field inspection. Therefore, aids to navigation could not be located east of longitude $81^{\circ}48.5'$. These will be located at time of field edit and positions furnished on form 567.

NONFLOATING/AIDS/OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

Tampa District Office June 22, 19 64

I recommend that the following objects which have ~~(deleted)~~ *not* been inspected from seaward to determine their value as landmarks be charted on ~~(deleted)~~ *not* the charts indicated.

The positions given have been checked after listing by

Jack Honick

~~For~~ V. Ralph Sobieralski Chief of Party.

~~For~~ V. Ralph Sobieralski Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVIEWED
TO BE DELETED

STRIKE OUT TWO

Tampa District Office

June 22, 1964

I recommend that the following objects which have ~~(4444)~~ *h/bp* been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ *h/bp* the charts indicated.

The positions given have been checked after listing by

Jack Honick

for V. Ralph Sobleralski

~~for~~ V. Ralph Sobieralski

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

1002 FORM 122 (5-61)		50.		PHOTOGRAMMETRIC OFFICE REVIEW T. 11401		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS Classification label <u>Unclassified</u>				3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) XX		
	7. PHOTO HYDRO STATIONS XX		8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES RW	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WHS						
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS		13. LOW-WATER LINE XX		14. ROCKS, SHOALS, ETC. WHS		15. BRIDGES WHS
	16. AIDS TO NAVIGATION WHS		17. LANDMARKS WHS			18. OTHER ALONGSHORE PHYSICAL FEATURES WHS	
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS						
PHYSICAL FEATURES	20. WATER FEATURES WHS				21. NATURAL GROUND COVER WHS		
	22. PLANETABLE CONTOURS XX				23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX				25. SPOT ELEVATIONS XX		
	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 XX				32. PUBLIC LAND LINES XX		
	33. GEOGRAPHIC NAMES WHS						34. JUNCTIONS WHS
MISCELLANEOUS	35. LEGIBILITY OF THE MANUSCRIPT WHS				36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS
	38. FIELD INSPECTION PHOTOGRAPHS WHS				39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i>				SIGNATURE OF SUPERVISOR OR REVIEWER OR UNIT <i>Milton M. Slavney</i>		
	40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.						
SIGNATURE OF COMPILER					SIGNATURE OF SUPERVISOR		

Review Report
Shoreline Maps
T-11401 thru T-11406
April 1965

61. General Statement

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

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-5861	1:10,000	1944
T-5862	1:10,000	1944
T-5863	1:10,000	1944
T-5864	1:10,000	1944
T-5871	1:10,000	1943
T-5872	1:10,000	1943
T-5873	1:10,000	1942
T-5882	1:10,000	1943
T-5883	1:10,000	1943

There are cultural and shoreline changes due to the difference in the time interval. T-11401 thru T-11406 are to supersede the above surveys of common area.

63. Comparison with Maps of Other Agencies

Fort Myers	1:24,000	1958
Port Boca Grande	1:24,000	1958
Bokeelia	1:24,000	1958
Motlacha	1:24,000	1958
Fort Myers NW	1:24,000	1958

Due to new construction there are cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8195	1:10,000	1960
H-8196	1:20,000	1959
H-8362	1:20,000	1960
H-8555	1:10,000	1960
H-8358	1:10,000	1957

Shoreline and control was furnished prior to the hydrographic surveys.

65. Comparison with Nautical Charts

856 SC	1:40,000	1964
1255	1:80,000	1962 revised to 1963

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Shuman
Chief, Photogrammetric Branch Chief, Nautical Chart Division

J. E. Waugh 7/26/65
Chief, Photogrammetry Division

