

11405

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-1146
Office No.	T-11405
LOCALITY	
State	FLORIDA
General locality	CALOOSAHATCHEE RIVER
Locality	FORT MYERS (WEST)
1953-1962	
CHIEF OF PARTY	
V. Ralph Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
JUL 27 1965	
DATE	

USCOMM-DC 5087

11405

DESCRIPTIVE REPORT - DATA RECORD

T - 11405

PROJECT NO. (II):

Ph-146

FIELD OFFICE (III):

N. FORT MYERS, FLORIDA

CHIEF OF PARTY

V. Ralph Sobieralski

PHOTOGRAMMETRIC OFFICE (III):

TAMPA, FLORIDA

OFFICER-IN-CHARGE

V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Field and Offices: July 2, 1954
Amendment No. 1: November 9, 1954
Supplement 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): MLW~~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):

MYERS 2, 1956

LAT.:

26°38'21.480" (661.1m.)

LONG.:

81°52'37.370" (1033.6m.)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 838,041.10 ft.

x = 540,163.54 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.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): George E. Varnadoe		DATE: January 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography - December 2, 1953; October 21, 1958; November 22, 1960.		
PROJECTION AND GRIDS RULED BY (IV): A. Riley (W.O.)		DATE February 1955
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley (W.O.)		DATE March 1955
CONTROL PLOTTED BY (III): I. D. Saperstein		DATE June 1959
CONTROL CHECKED BY (III): R. R. Wagner		DATE September 1960
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE September 1960
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): P. W. Leikhim " Reviewed by: W. H. Shearouse		DATE April 1962 April 1962
SCRIBING BY (III): V. P. Cackowski " Reviewed by: W. H. Shearouse		DATE December 1962 January 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. R. Wagner		DATE March 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Nine-lens - WILD Single-lens "S" and "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
43004-43006	12-2-53	1106	1:10,000	(Used for radial
58S-1562A	10-21-58	1300	1:10,000 (ratio)	plot only
58S-1563A	10-21-58	1300	" "	Street delineation
60-W-4478	11-22-60	1014	" "	0.0 only
61S-6834A	10-22-61	not available	" "	(Time of photographs
61S-6835A	10-22-61	" "	" "	(not available

Predicted TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	TAMPA BAY, FLORIDA	-	1.4	1.6
SUBORDINATE STATION:	FORT MYERS (CALOOSAHATCHEE RIVER)	0.5	0.7	0.9
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	22*	RECOVERED: 6	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II):	None	RECOVERED: -	IDENTIFIED -	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		3		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		None		

REMARKS:

*In addition there were 7 triangulation stations established

COMPILATION RECORD

COMPLETION DATE

REMARKS

COMPILATION COMPLETE	APRIL 1962	

FIELD INSPECTION REPORT T-11405

The field inspection report for this map was made a part
of Descriptive Report for T-11409.

1172

MAP T-11405 PROJECT NO. Ph 146 (574) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
AF 22 (FGS) 1937	P.C. 28	NA 1927	864,897.57	✓	26	36 21.3					
			531,702.15	✓	16	2063.1					
AIRWAY 1955	P.C. 99	"	842,692.30	✓	25	6853.1	Use in plot only.				
			527,525.50	✓	16	0790.1					
MIVERS 2 1956	GP3 1028	"	26 38 21.480	✓							
			81 52 37.370	✓							
AIRWAY 2 1959	Field P15	"	842,776.81	✓							
			527,587.73	✓							
CANAL 1961	Field	"	26 38 21.480	✓							
			81 54 38.80	✓							
CALOOSAHATCHEE R CUT & RANGE	Field	"	26 38 21.480	✓							
			81 53 29.03	✓							
CALOOSAHATCHEE R CUT & RANGE	Field	"	26 37 44.87	✓							
			81 53 34.84	✓							
CALOOSAHATCHEE R CUT & RANGE	"	"	26 38 29.28	✓							
			81 53 19.36	✓							
CALOOSAHATCHEE R CUT & RANGE	"	"	26 38 10.19	✓							
			81 53 19.61	✓							
CALOOSAHATCHEE R CUT & RANGE	"	"	26 38 43.79	✓							
			81 52 42.35	✓							
CALOOSAHATCHEE R CUT & RANGE	"	"	26 38 28.51	✓							
			81 52 59.02	✓							
AF 3 (FGS) 1934	Lee B.	"	833,187.56	✓							
			537,734.44	✓							

2 of 2

MAP T-11405...

PROJECT NO. 8146

SCALE OF MAP 1:12,000

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER
COMPUTED BY: *[Signature]*

DATE 2 June 59

CHECKED BY: 11S

DATE _____

2 June 59

COMPILATION REPORT T-11405

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11409.

31. DELINEATION

The graphic method was used.

The field inspection was good.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage has been delineated as shown photographically.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes which were adequate.

36. OFFSHORE DETAILS

There were no offshore details requiring attention.

37. LANDMARKS AND AIDS

Eight aids (for charting) and one landmark (for deletion) were submitted on Forms 567 under date of March 1, 1961. One Form 567 (for landmark to be charted) is being submitted with the data for this sheet.

38. CONTROL FOR FUTURE SURVEYS

There are three recoverable stations listed under item 49, two of which are marked and one is a natural object.

39. JUNCTIONS

Junctions have been made to the south with T-11409, to the east with T-11406 and to the west with T-11404. (No delineation along this junction). There is no contemporary survey to the north, nor was this map delineated to the northern limits.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle "Fort Myers NW, Florida"; scale 1:24,000 compiled in 1958. The comparison is favorable. There is however a new bridge across the Caloosahatchee River under construction.

A comparison was made with USC&GS topographic maps T-5871 and T-5872, scale 1:10,000. The comparison was favorable except for some new piers, bridge and new construction.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with chart 473, scale 1:40,000, 5th edition of April 1930, revised to December 1959. The major change is the bridge mentioned in item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Paul W. Leikhim
Paul W. Leikhim
Carto Photo Aid

APPROVED AND FORWARDED 10 APR 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were prepared by the Washington Office on USGS quadrangle
"Fort Myers NW".

CALOOSAHAATCHEE RIVER

FLORIDA
FORT MYERS

HANCOCK CREEK

MANUEL BRANCH

MC GREGOR BOULEVARD

NORTH FORT MYERS

PONDELLA ROAD
POWELL CREEK

TAMIAMI TRAIL
THOMAS A. EDISON HOME

STATE 78
STATE 78A
STATE 867

U S 41

WEAVERS CORNER

*Names checked & approved
C. J. Wright
3-25-65*

49. NOTES FOR THE HYDROGRAPHER

The following topographic stations may be of use to the hydrographer:

IMP (1943) 1961

MAG (1943) 1961

MINIATURE LH 1961

TO BE CHARTED
TO BE REVIEWED
TO BE OBSERVED

STRIKE OUT TWO

NONFLUORESCENT AIDS OR LANDMARKS FOR CHARTS

Tampa, Florida
March 14, 1963

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

The positions given have been checked after listing by

CHART

V. Balakrishna

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

FORM 182 (8-61)		PHOTOGRAMMETRIC OFFICE REVIEW T-11405		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS RRW		2. TITLE RRW		3. MANUSCRIPT NUMBERS RRW	4. MANUSCRIPT SIZE RRW
		4a Classification label <u>Unclassified</u>			
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) RRW	
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES RRW	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WHS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RRW	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES RRW	
	16. AIDS TO NAVIGATION RRW	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW		
	19. OTHER ALONGSHORE CULTURAL FEATURES RRW				
PHYSICAL FEATURES	20. WATER FEATURES RRW		21. NATURAL GROUND COVER RRW		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES XX				
CULTURAL FEATURES	27. ROADS RRW	28. BUILDINGS RRW	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES RRW				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES RRW			34. JUNCTIONS RRW	
	35. LEGIBILITY OF THE MANUSCRIPT RRW	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT RRW	
	38. FIELD INSPECTION PHOTOGRAPHS RRW		39. FORMS RRW		
	SIGNATURE OF REVIEWER <i>R. R. Wagner</i> R. R. Wagner		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>M. M. Slavney</i> M. M. Slavney		
	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 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
Fort Boca Grande	1:24,000	1958
Holmesia	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-8352	1:20,000	1960
H-8355	1:10,000	1960
H-8358	1:10,000	1957

Shoreline and control was furnished prior to the hydrographic surveys.

64. Comparison with Nautical Charts

856 82
1255

1:40,000
1:80,000

1964
1962 revised to 1963

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

65. 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 L. Henn
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. W. Craig 7/26/65
Chief, Photogrammetry Division

