

11409 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-11409
LOCALITY	
State	FLORIDA
General locality	CALOOSAHATCHEE RIVER
Locality	FOURMILE COVE TO NEGRO HEAD
1953 - 1961	
CHIEF OF PARTY	
V. Ralph Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOM-DC 5087

11409

## DESCRIPTIVE REPORT - DATA RECORD

T -11409

PROJECT NO. (II):

PH-146

FIELD OFFICE (II):

North Fort Myers, Florida

CHIEF OF PARTY

V. Ralph Sobieralski

PHOTOGRAMMETRIC OFFICE (III):

Tampa, Florida

OFFICER-IN-CHARGE

V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Amendment No. 1 Jul. 2, 1954  
Nov. 9, 1954  
Supplement No. 1 Dec. 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):

NIGGER 1927

LAT.:

26°33'53.525" (1647.3 m.)

LONG.:

81°54'45.782" (1267.1 m.)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

= 810,977.65 Ft.

x = 528,530.09 Ft.

Florida

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): <b>George E. Varnadoe</b>		DATE: <b>Nov. 1961</b>
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>Air photo compilation</b> <b>Date of photographs: Nov. 22, 1960</b>		
PROJECTION AND GRIDS RULED BY (IV): <b>A.R. (W.O.)</b>		DATE <b>Mar. 1955</b>
PROJECTION AND GRIDS CHECKED BY (IV): <b>A. R. (W.O.)</b>		DATE <b>Mar. 1955</b>
CONTROL PLOTTED BY (III): <b>I. I. Saperstein</b>		DATE <b>June 1960</b>
CONTROL CHECKED BY (III): <b>R. J. Pate</b>		DATE <b>June 1960</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL-EXTENSION BY (III): <b>R. R. Wagner</b>		DATE <b>Nov. 1961</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III): <b>Inapplicable</b>	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): <b>Reviewed by: R. Dossett I. I. Saperstein</b>	DATE <b>Feb. 1962 Oct. 1962</b>	
SCRIBING BY (III): <b>Reviewed by: R. Dossett R. R. Wagner</b>	DATE <b>Nov. 1962 Dec. 1962</b>	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>W. H. Shearouse</b>		DATE <b>Jan. 1963</b>
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&amp;GS Nine-lens and Wild single-lens "W" and "S"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
43001 - 43002 incl. 43017, 43018 58S-1542A, 1543A 60S-4448 60S-4473 thru 4477	Feb. 2, 1953 " Oct. 21, 1958 Nov. 22, 1960 Nov. 22, 1960	) ) 1247 1000 1013	Not used for shoreline delineation  1:10,000 " "	  +0.6 0.0 0.0

Predicted TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Tampa Bay	-	1.4	1.6
SUBORDINATE STATION:	Fort Myers, Caloosahatchee River	.50	0.7	0.9
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	21*	RECOVERED: 14*	IDENTIFIED: 5	
NUMBER OF BM(S) SEARCHED FOR (II):	0	RECOVERED:	IDENTIFIED	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 5				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 1				

## REMARKS:

\*Includes seven stations established

Note: One card (Form 526) is submitted for thirty-one destroyed daybeacons, which were located by triangulation in 1927 and 1928, in San Carlos Bay and Caloosahatchee River. This card is not included or counted with the "searched for" stations.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Manuscript complete	October 1962	

## SHORELINE MAPPING PROJECT

Charlotte Harbor, FLORIDA

5.

82°30'

27°00'

OFFICIAL MILEAGE  
FOR COST ACCOUNTSSheet 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. Miles
10528	5	11
10529	1	16
10530	1	15
10531	2	14
10532	2	11
10533	6	12
10534	5	13

Totals

22

98

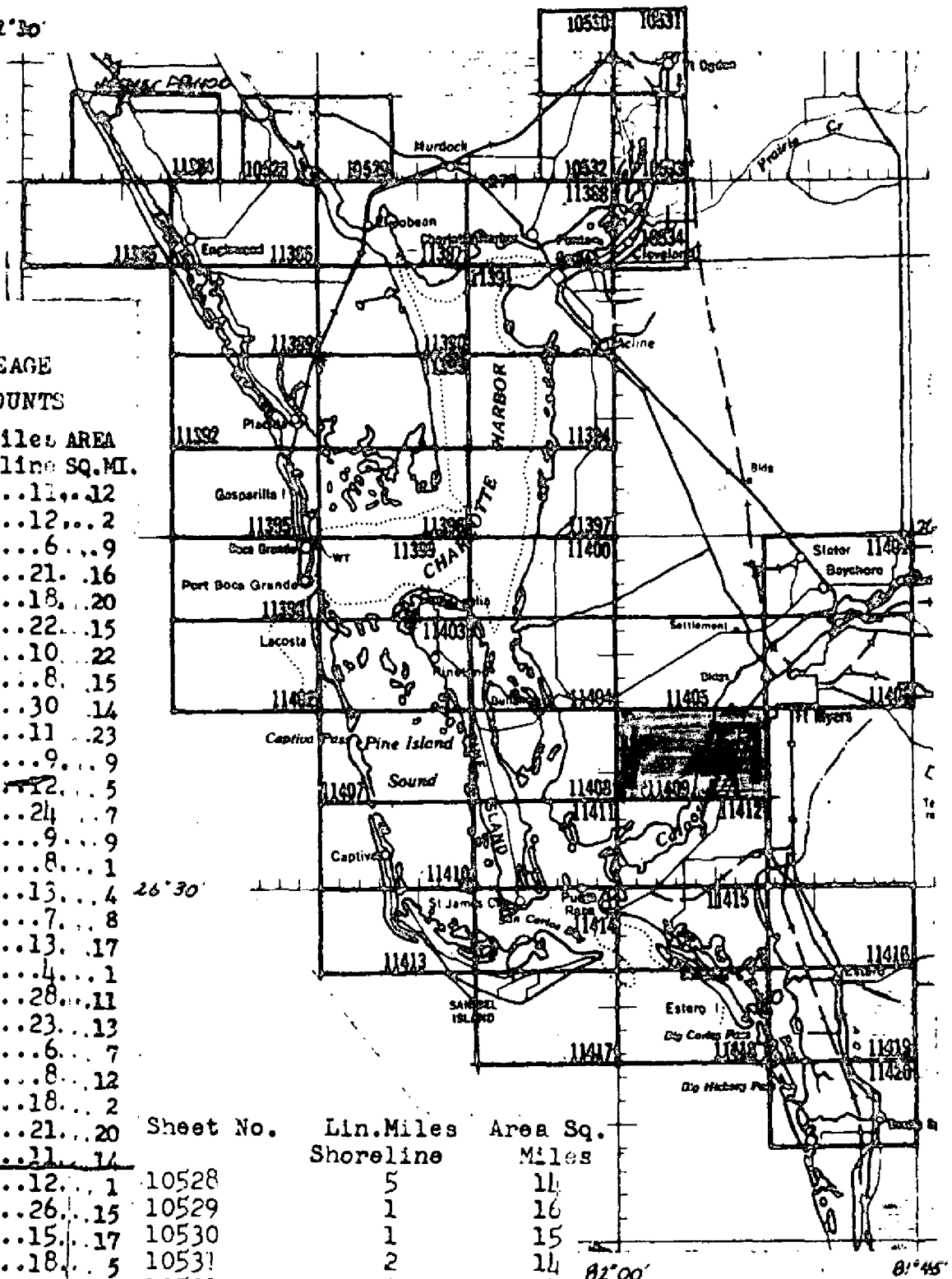
540

393

Grand Totals

562

491



FIELD INSPECTION REPORTPh-146T-11405 and T-114092. AREAL FIELD INSPECTION

The description of the area is self evident on the photographs and the notes applied thereon. The quality of the photographs is good.

It is believed that the field inspection is adequate. No unusual methods were used. Except in the congested areas, all streets and roads were not classified on the photographs. However, classifications were made for general areas. All roads and streets are Class 5 unless otherwise classified on the photographs.

3. HORIZONTAL CONTROL

All stations of this Bureau and the Florida Geodetic Survey were searched for and reported on form 526.

Six third-order triangulation stations were established, along the shores of the Caloosahatchee River, to locate Aids for Navigation in the river. They are:

MUDDY - RIVER-SHORE - SUNDECK - WILKIN and CANAL

Stations reported "lost or destroyed" are:

Page Field Airfield Homing Station 1945 -  
Page Field Airfield Control Tower 1945 -  
Page Field Airfield Tetrahedron 1945 -  
Fourmile 2 1927 - Miles 1927 - Stad 1927 - Ed 1927 - Col 1927  
and Sawmill 2 1927

4. VERTICAL CONTROL

Tidal bench marks were searched for and reported on form 685A.

5. CONTOURS AND DRAINAGE

Drainage not evident on the photographs was delineated.

6. WOODLAND COVER

Classified in accordance with project instructions.

## 7. SHORELINE AND ALONGSHORE FEATURES

The mean high-water line is synonymous with the mean low-water line. This line was inspected from a small boat running close to and parallel the shore.

There are no bluffs, cliffs or submarine cables.

Docks, wharves, piers and other shoreline structures are evident on the photographs and have been labeled.

## 8. OFFSHORE FEATURES

These features include private channel markers, piles and rocks. All were located by sextant fixes.

## 9. LANDMARKS AND AIDS

Landmarks and fixed Aids to Navigation have been reported on form 567.

Substantial aids and all range markers were located by third-order triangulation. Single pile daybeacons were located by sextant fixes.

## 10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

## 11. OTHER CONTROL

Monumented topographic stations are:

RIV - KEY - GIN & POW - MAG and IMP

All were established in 1943 and reidentified during this inspection.

## 12. OTHER INTERIOR FEATURES

Roads have been classified in accordance with the project instructions. In the congested areas labels were not applied to each street due to lack of space. In these areas all roads not otherwise classified are Rd. 5.

Buildings to be mapped have been circled on the photographs.




13. GEOGRAPHIC NAMES

This is the subject of a special report dated September 22, 1961.

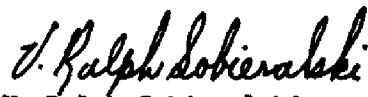
14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Control station identification data were forwarded to the Tampa District Office on May 29, 1959. Triangulation data were forwarded on November 2, 1961 and the Geographic Names report and other data were forwarded on September 22, 1961.

Respectfully submitted,

  
George E. Varnadoe  
Supervisory Cartographer (Photo)  
January 17, 1962

APPROVED & FORWARDED 26 FEB 1963

  
V. Ralph Sobieralski  
Tampa District Officer

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 11409 PROJECT NO. Ph 146 (54) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $y$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
✓ NIGGER 1927	P.C. 24	NA 1927	810,977.65 528,530.09	24	7186.5				Pl. 115 10 June 59
✓ MILES 1927	"	"	812,549.43 521,963.72	24 15	7665.6 9094.9	Not plotted			" " R.I.P "
✓ FOURMILE 2 1927	P.C. 25	"	826,476.62 528,650.22	25 16	1910.6 1132.9	Not plotted (removed)			" "
✓ AEI (EAS) 1934	P.C. 56	"	827,917.53 535,551.56	25 16	2349.8 3236.4				" "
✓ PF 2 1945	P.C. 57	"	821,883.14 541,821.71	25 16	0510.5 5147.6	EAST OF			
✓ FT WYERS COUNTRY CLUB W.T. 1955	P.C. 29	"	827,871.74 532,785.22	25 16	2335.8 3917.3				" "
✓ SHAD USE 1936	USED P.C.	"	26 34 10.746 81 54 26.761				330.7 740.6		" "
✓ PAGE ARMY AIRFIELD AIRWAY BEACON 1945	P.C. 57	"	818,537.66 546,934.39	24 16	9490.8 6705.9	E of Proj. Limits			" " Nov 1954
✓ RIVER 1961	Field	"	26 33 50.91 81 55 16.78				1566.8 464.4		" "
✓ MUDDY 1961	"	"	26 34 15.86 81 55 52.36				488.1 1449.1		" "
✓ SUN DECK 1961	"	"	26 36 21.13 81 53 35.80				652.3 990.5		" "
✓ SHORE 1961	"	"	26 36 27.45 81 54 44.97				844.8 1244.1		" "

1 FT. = 3048006 METERS

COMPUTED BY: R.P.W.

DATE June 59

CHECKED BY: R.I.P

DATE June 59

COMMA-DC-57843

10

SCALE FACTOR

1 FT = .3048006 METER	COMPUTED BY: <i>[Signature]</i>	DATE: <i>Apr 21 1961</i>	CHECKED BY: <i>R.L.P.</i>	DATE: <i>Apr 61</i>	COMM-DC-5784
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COMPILATION REPORT T-11409PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11418

31. DELINEATION

The graphic method was used.

The entire shoreline and inshore areas, as far as coverage permitted, has been delineated from the 1960 single-lens photographs of the 60-W series. These photographs were of reasonably good scale. Single-lens photographs 58-S-1542A and 58-S-1543A were used in the northeast corner where coverage by the 1960 single-lens photographs was inadequate. The 1953 nine-lens photographs, used in the original photogrammetric plot, showed such radical changes because of new construction that they were not used for delineation. Their centers, however, have been left on the map manuscript.

Some areas may be considered incomplete because of new construction now in progress. They have been labeled "area under construction".

The field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated from photographic interpretation and field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline structures are evident on the photographs and were labeled by the field inspector.

Shoreline inspection is adequate and was delineated according to the field inspection.

No low-water or shoal lines were shown.

### 36. OFFSHORE DETAILS

Offshore details consist of piles, dolphins, rocks and channel markers. All were located by sextant fixes and have been applied to the map manuscript.

### 37. LANDMARKS AND AIDS

Form 567 for Aids to Navigation were submitted to the Washington Office February 21, 1962. Form 567 for Landmarks is submitted with this report.

### 38. CONTROL FOR FUTURE SURVEYS

Four marked topographic and one photo-hydro stations have been established and are listed under item 49.

### 39. JUNCTIONS

A satisfactory junction has been secured with T-11405 on the north and T-11412 on the south. Details have not been shown to the limits of the manuscript on the west; therefore a junction with T-11408 is not applicable. No contemporary survey to the east.

### 40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

### 46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle "Fort Myers S.W.", scale 1:24,000, compiled from aerial photographs taken 1951-1952, topography by planetable surveys in 1958. Comparison was favorable.

Comparison was also made with USC&GS topographic maps T-5870, T-5871 and T-5872, scale 1:10,000, compiled from aerial photographs taken in 1939 and 1942, supplemented by other surveys to March 1943. Extensive shoreline and cultural changes have been made in recent years and due to elapsed time these maps should be considered obsolete.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart 473, scale 1:40,000, 5th edition, corrected to September 2, 1961. Comparison was favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Rudolph Bossett*  
Rudolph Bossett  
Carto Photo Aid

APPROVED AND FORWARDED 26 FEB 1963

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from USGS quadrangle FORT MYERS SW,  
scale 1:24,000, edition of 1958.

CALOOSAHATCHEE RIVER

FLORIDA

FOURMILE COVE

FOURMILE POINT

FORT MYERS

MC GREGOR BOULEVARD

MEMORIAL GARDENS

NEGRO HEAD

STATE 867

WYOMI CREEK

*Names checked & approved -  
A. J. Wraight  
3-25-65*

49. NOTES FOR THE HYDROGRAPHER

The following is a list of topographic stations which may be of use to the hydrographer:

GIN (1943) 1961

POW (1943) 1961

KEY (1943) 1961

RIV (1943) 1961

Photo-hydro station:

1233 - The offshore end of a double decked platform in trees, about 3 feet back of waters edge; above the signal site is a round red sign with SEE in white letters. Not marked. Photo 60W4449.



**- STRIKE OUT TWO**

**NONFLUORESCENT/AIDS/OR LANDMARKS FOR CHARTS**

**Tampa District Office**

Jan. 17 1962

The positions given have been checked after listing by

## EX. 10

**V. Balogh Sobleralexi**

**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

USCOMM-DC 16294-P81

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T- 11409		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS		3. MANUSCRIPT NUMBERS WHS	
		4. MANUSCRIPT SIZE WHS		Unclassified La Classification label - fied	
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) WHS		
	7. PHOTO HYDRO STATIONS WHS	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES GEV	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS GEV				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS		13. LOW-WATER LINE XX		14. ROCKS, SHOALS, ETC. XX
	15. BRIDGES XX		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 XX
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS	
	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> William H. Shearouse		SIGNATURE OF SUPERVISOR REVIEW SECTION OR UNIT <i>Milton M. Slaney</i> Milton M. Slaney		
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-11407 through T-11412

May 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-5863	1:10,000	1943
T-5864	1:10,000	1943
T-5865	1:10,000	1943
T-5867	1:10,000	1943
T-5868	1:10,000	1943
T-5869	1:10,000	1943
T-5870	1:10,000	1943
T-5871	1:10,000	1943
T-5872	1:10,000	1943
T-5873	1:10,000	1943

Cultural and shoreline changes have been continuing 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

Captiva	1:24,000	1958
Pine Island Center	1:24,000	1958
Port Myers SW	1:24,000	1957

Due to new construction there are cultural and shoreline differences.

#### 64. Comparison with Contemporary Hydrographic Surveys

H-8362	1:20,000	1960
H-8555	1:10,000	1960
H-8598	1:10,000	1961

64. Continued

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

65. Comparison with Nautical Charts

1255  
855 BC

1:80,000  
1:40,000

1962 revised to 1963  
1964

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 Henn*  
Chief, Photogrammetry Branch

Chief, Nautical Charts Division

*J. E. Waugh 8/7/65*  
Chief, Photogrammetry Division

