

# 10968

ORIGINAL

89601

<b>Form 504</b> U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	SHORELINE
Field No.	Office No. T-10968
<b>LOCALITY</b>	
State	FLORIDA
General locality	CALOOSAHATCHEE RIVER
Locality	ORTONA LOCK
<u>1959</u>	
<b>CHIEF OF PARTY</b>	
V. Ralph Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES AUG 4 1962	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10968

Project No. (II): Ph-5806      Quadrangle Name (IV):

Field Office (II): La Belle, Fla.

Chief of Party: Arthur L. Wardwell

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): 11 June 1959 (Office and Field)

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): 1:6100

Scale Factor (III): Pantographed to 1:20,000

MAR 19 1961

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

21 Nov 1961

Publication Scale (IV):

Publication date (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): HAG (USE) 1937

Lat.: 26°46'51.414" (1582.4 m.)      Long.: 81°18'44.152" (1219.7 m.)

Adjusted  
--Unadjusted--

Plane Coordinates (IV):

State: Florida

Zone: East

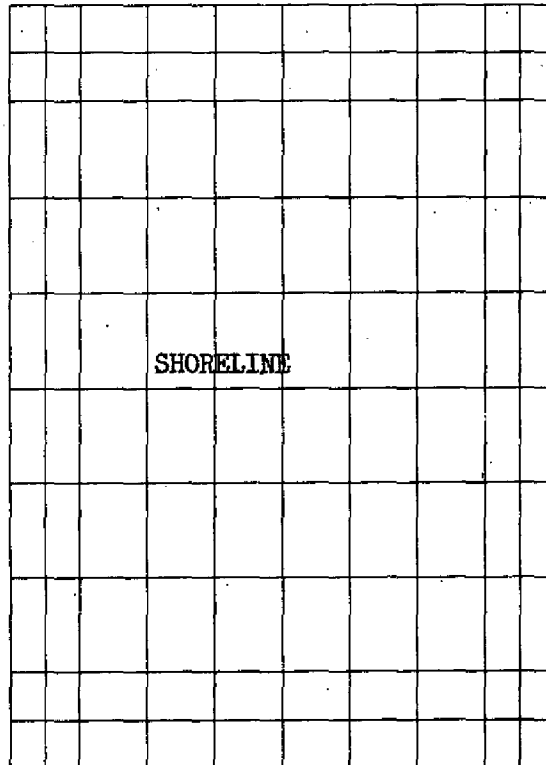
y = 889,634.13 Ft.

x = 398,123.22 Ft.

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



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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **G. E. Varnadoe** Date: **Dec. 1959**

Planetable contouring by (II): **Inapplicable** Date:

Completion Surveys by (II): **Inapplicable** Date:

Mean High Water Location (III) (State date and method of location): **Air Photo compilation**  
Date of photography: **25 March 1959**

Projection and Grids ruled by (IV): **J. Keefer (W/O.)** Date: **June 1960**

Projection and Grids checked by (IV): **Wm. Souders (W.O.)** Date: **June 1960**

Control plotted by (III): **R. E. Smith** Date: **Aug. 1960**

Control checked by (III): **R. J. Pate** Date: **Aug. 1960**

~~Radial Plot~~ or Stereoscopic **Washington Office** Date:  
Control extension by (III):

Stereoscopic Instrument compilation (III): Planimetry **W. W. Dawsey** Date: **Oct. 1960**

Contours **Inapplicable** Date:

Manuscript delineated by (III): **W. W. Dawsey** Date: **Oct. 1960**

**of compilation**  
Photogrammetric Office Review/by (III): **W. H. Shearouse** Date: **Nov. 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **WILD "W" Single-lens**

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
59-W-3582	25 March 1959	1012	1:30,000	Inapplicable	
59-W-3583	"	1012	"		
59-W-3584	"	1013	"		
59-W-3585	"	1013	"		
59-W-3586	"	1014	"		

Tide (III)  
**Inapplicable**

Ratio of Ranges	Mean Range	Spring Range

Reference Station:  
Subordinate Station:  
Subordinate Station:

Washington Office Review by (IV):

*S. Streifler*

Date:

*Sept. 1961*

Final Drafting by ~~XXX~~ R. Dossett & V. Cackowski (Tpa Dist. Office)

Date: Jan. 1961

Review by: W. H. Shearouse (Tpa Dist. Office)

Jan. 1961

Drafting verified for reproduction by (IV):

*S. Streifler*

Date:

*Sept. 1961*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **24.5\***

~~Shoreline (More than 200 meters to opposite shore) (II):~~

Shoreline (Less than 200 meters to opposite shore) (III): **9 lin. mi.**

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

Number of Triangulation Stations searched for (II): **2** Recovered: **2** Identified: **2**

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

Number of Recoverable Photo Stations established (III): **None**

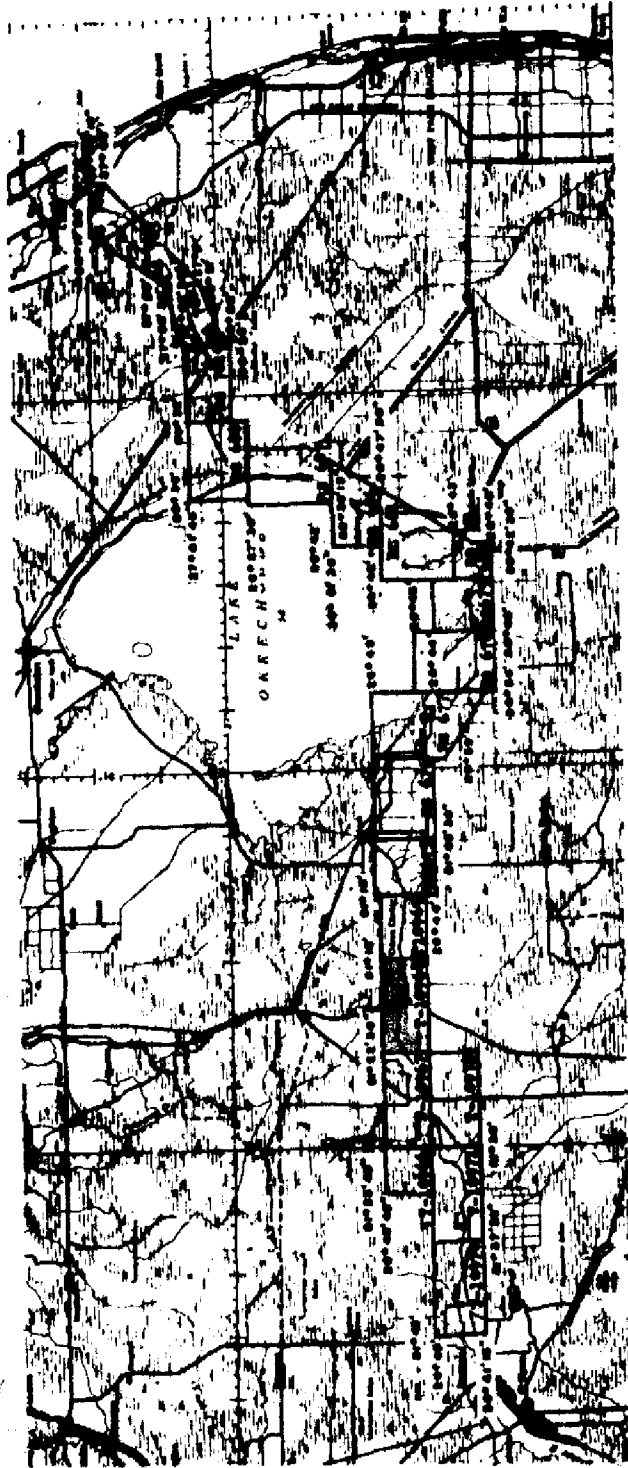
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks: \*The project mileage was for the area of the projection limits; the limits of delineation as suggested by the Washington Office gave this result.

# PROJECT PH-5806

## LOCATION OF AIDS TO NAVIGATION

### LAKE OKEECHOBEE, FLORIDA



Official Mileage Per Cost Account

Sheet Number	Area Sq. Mi.	Lin. Mi. Shown
11	11.1	11.1
12	12.2	12.2
13	13.3	13.3
14	14.4	14.4
15	15.5	15.5
16	16.6	16.6
17	17.7	17.7
18	18.8	18.8
19	19.9	19.9
20	20.0	20.0
21	21.1	21.1
22	22.2	22.2
23	23.3	23.3
24	24.4	24.4
25	25.5	25.5
26	26.6	26.6
27	27.7	27.7
28	28.8	28.8
29	29.9	29.9
30	30.0	30.0

#### SUMMARY

to Accompany Shoreline Map Manuscripts T-10966 thru T-10972

The seven (7) subject shoreline surveys represent the western part of Project FH-5806. The project covers the inland waterway from the city of Stuart on the east coast of Florida westward through the St. Lucie Canal, the Okeechobee Waterway and the Caloosahatchee Canal and River to the outskirts of Ft. Myers near the Gulf of Mexico. The inland waterway from Stuart to Lake Hicpochee is covered by fourteen (14) R.S. sheets and the remainder by aforementioned seven shoreline surveys.

The purpose of these maps was to replace previously completed T-sheets of substandard accuracy by new compilations T-10966 through T-10972 and the location of aids to navigation for the entire project.

A stereoplanigraph bridging plot was done in the Washington Office in June 1960 covering subject map manuscripts. They were compiled by Kelsh plotter at the Tampa District Office from 59-W series photography of March 1959 and field inspection information of October to December of 1959.

The submitted final map compilations are the result of adequately scribed sheets and suitable for the direct reproduction of file copies.

A cronar film positive at the compilation scale of 1:20,000 and the Descriptive Report of each will be registered and filed in the Bureau Archives.

September 1961

THE FIELD INSPECTION REPORT ~~WAS SUBMITTED~~  
is bound with T-10966  
~~SEPARATELY ON 7 APRIL 1960.~~



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

MAP T-10968 PROJECT NO. Ph-5806 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
HAG (USE) 1937	PC 222		887, 634.13 ✓ 398, 123.22 ✓	27	1161.0 ✓				1.01 ✓ PIP
OPAL (USE) 1937	PC 230		895, 342.94 ✓ 379, 328.76 ✓	27	2701.1 ✓				1.1 1.1

7.

COMPILATION REPORT T-10968

PHOTOGRAMMETRIC PLOT REPORT

Stereo Bridge was run in the Washington Office and the report is included with T-10970.

31. DELINEATION

The Kelsh Plotter was used. The field inspection was adequate and the photography was of good quality.

32. CONTROL

The bridge points were easy to identify and no problems were encountered.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

These items were shown as depicted by the field inspector. No low-water line was shown. Shoreline inspection was adequate.

36. OFFSHORE DETAILS

These details were shown according to the field inspection.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A junction has been made with T-10967 to the west and T-10969 to the east.

This survey lies within U.S.G.S. quadrangle GOODNO, FLA. Junction of major details is satisfactory. (See Item 46)

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with the following maps: T-5887 and T-5888, scale 1:10,000, by U.S.C. & G.S., dated February 1943; and the Geological Survey quadrangle GOODNO, FLA., scale 1:24,000, compiled from 1951-1952 aerial photographs. The comparison was generally good. The differences seem due to the passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Nautical Chart No. 1289, scale 1:80,000, dated March 1944, revised to March 1959.

The maps listed under item 46 were probably the source for the above chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Webber W. Dawsey*  
Webber W. Dawsey  
Cartographer (Photo)

APPROVED AND FORWARDED

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

49. NOTES FOR THE HYDROGRAPHER

None.

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PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10968

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

Unclassified

CONTROL STATIONS

1a. Classification label \_\_\_\_\_

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 XX 10. Photogrammetric plot report W.O. 11. Detail points W.O.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges WHS 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features WHS 19. Other along-shore 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 XX 29. Railroads WHS 30. Other cultural features WHS

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

40. William H. Shearouse Milton M. Slavney  
 Reviewer Supervisor, Review Section or Unit  
 William H. Shearouse Milton M. Slavney

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:

48. GEOGRAPHIC NAMES LIST

Atlantic Coast Line

Bonnet Run

\*Caloosahatchee Canal

\*Caloosahatchee River

Citrus Center

Coffee Mill Hammock

Cypress Branch

Deadmans Branch

Florida

Goodno

Hogpen Gully

Long Hammock

Long Hammock Creek

Ortono

Ortono Lock

Turkey Branch

\* B.G.N. decision

  
Geographic Names Section  
18 August 1961

REVIEW REPORT OF  
SHORELINE MAP MANUSCRIPTS T-10966 THRU T-10972

62. Comparison with Registered Topographic Surveys:

T-5884	1:10,000	1939
T-5885	1:10,000	1939
T-5886	1:10,000	1939
T-5887	1:10,000	1939
T-5888	1:10,000	1939
T-5889	1:10,000	1939

There are minor shoreline changes between these surveys. Cultural changes are more numerous throughout. Subject surveys are to supersede above-listed T-sheets of common area for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

OLGA, FLA.	1:24,000	1958	U.S.G.S.
ALVA, FLA.	1:24,000	1958	U.S.G.S.
SEARS, FLA.	1:24,000	1958	U.S.G.S.
LA BELLE, FLA.	1:24,000	1958	U.S.G.S.
GOODNO, FLA.	1:24,000	1958	U.S.G.S.

The culture and drainage of these topographic quadrangles was compiled in part from photography of 1951-52 and this information differs between these surveys.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of subject area.

65. Comparison with Nautical Charts:

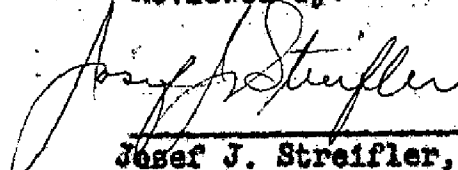
1289	1:80,000	Revised to 61 7/3
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There are only minor differences between these surveys that can be detected in consideration of scale difference.

66. Adequacy of Results and Future Surveys:

These shoreline map manuscripts have been compiled according to instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by:



Josef J. Streifler, Sept. 1961

Approved by:

L. C. Lande Chief, Review & Drafting Sec. Marvin [Signature] Chief, Nautical Chart Division  
Photogrammetry Division

J. W. [Signature] 8/3/62 Max [Signature]  
Chief, Photogrammetry Division Chief, Operations Division



# NAUTICAL CHARTS BRANCH

SURVEY NO. T-10968

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.