

# 10970

ORIGINAL

10970

<b>Form 504</b>	
U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
<i>Type of Survey</i> <u>SHORELINE</u>	
<i>Field No.</i> .....	<i>Office No.</i> <u>T-10970</u>
<b>LOCALITY</b>	
<i>State</i> .....	<u>FLORIDA</u>
<i>General locality</i> .....	<u>CALOOSAHATCHEE RIVER</u>
<i>Locality</i> .....	<u>OLGA</u>
<u>19 59</u>	
<b>CHIEF OF PARTY</b>	
<u>V. Ralph Sobieralski, Tampa District Officer</u>	
<b>LIBRARY &amp; ARCHIVES</b>	
<b>AUG 3 1962</b>	
<b>DATE</b> .....	

USCOMM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10970

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

Field Office (II): Tampa, Florida                      Chief of Party: A. L. Wardwell

Photogrammetric Office (III): Tampa, Florida                      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): Stereoscopic Instrument (Kelsh Plotter)

Manuscript Scale (III): 1:20,000                      Stereoscopic Plotting Instrument Scale (III): 1:6,000

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

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): OLGA, 1937

Lat.: 26°43'48.512" (1493.0 m.)                      Long.: 81°42'35.194" (972.7 m.)                      Adjusted  
Unadjusted

Plane Coordinates (IV):                      State: Fla.                      Zone: East

Y= 871,688.67 Ft.                      X= 268,326.97 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

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 photographs: 25 March 1959**

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

Projection and Grids checked by (IV): **J. M. Keefer (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 Control extension by (III): **R. E. Fuechsel (W.O.)** Date: **June 1960**

Stereoscopic Instrument compilation (III): Planimetry **R. J. Pate** Date: **Oct. 1960**

Contours **Inapplicable** Date:

Manuscript delineated by (III): **R. J. Pate** Date: **Oct. 1960**

Photogrammetric Office Review <sup>of compilation</sup> by (III): **I. I. Saperstein** Date: **Oct. 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): Wild "W"

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
			Time		
59-W-3603	25 March 1959		1032	1:30,000	**
59-W-3604	"		1033	"	
59-W-3605	"		1034	"	
59-W-3606	"		1034	"	
59-W-3607	"		1035	"	

Tide (III)  
 \*\*Tide does not affect the water level in this area except in the western part where high tide in the Gulf Reference Station: may slow the river current and cause it to Subordinate Station: rise slightly Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *J. Streifler*  
 Final Drafting by (IV): R. E. Smith Jr. (Tampa District Office)  
 " " Review: W. H. Shearouse (Tampa District Office)  
 Drafting verified for reproduction by (IV): *J. Streifler*  
 Proof Edit by (IV):

Date: *Aug. 1961*  
 Date: Jan. 1961  
 Date: Jan. 1961  
 Date: *Aug. 1961*  
 Date:

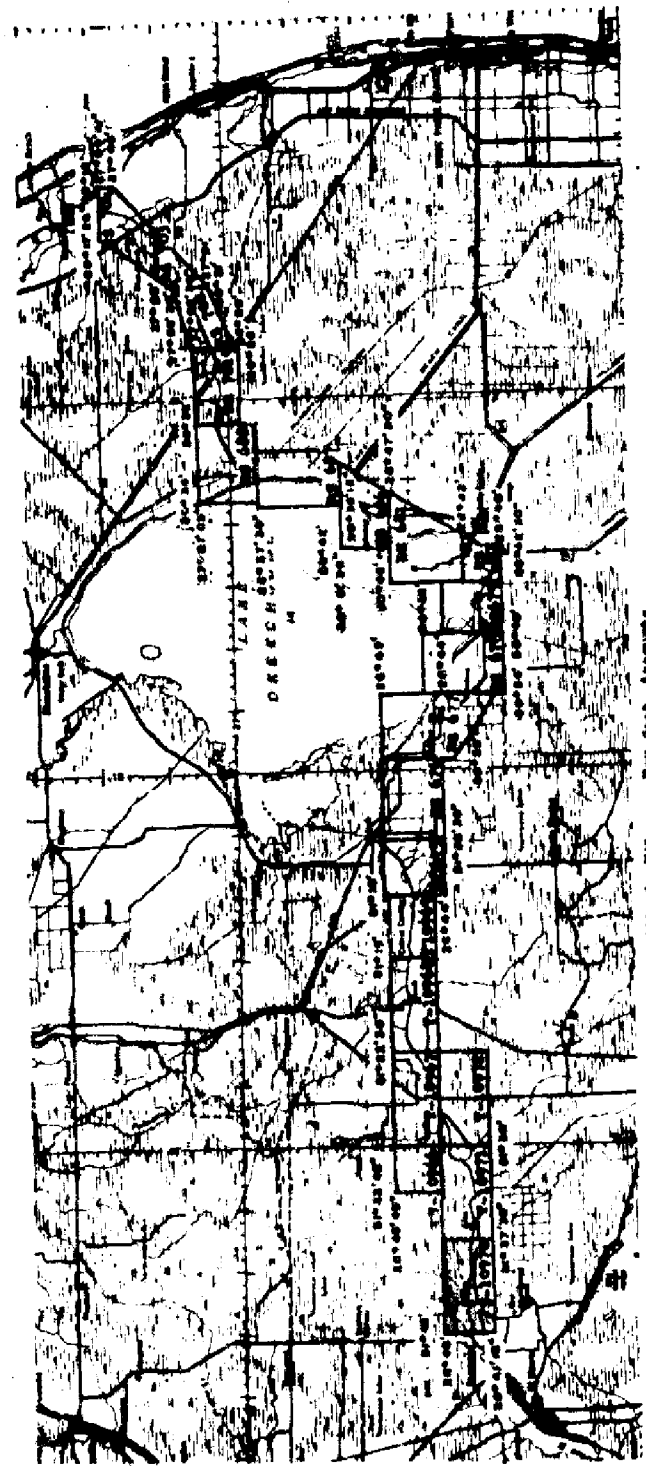
Land Area (Sq. Statute Miles) (III): 30  
~~Shoreline (More than 200 meters to opposite shore) (III):~~  
 Shoreline (Less than 200 meters to opposite shore) (III): 8 lin. mi.  
 Control Leveling - Miles (II): Inapplicable  
 Number of Triangulation Stations searched for (II): 2 Recovered: 2 Identified: 2  
 Number of BMs searched for (II): 0 Recovered: 0 Identified: 0  
 Number of Recoverable Photo Stations established (III): 0  
 Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

# PROJECT PH-5806

## LOCATION OF AIDS TO NAVIGATION

### LAKE OKEECHOBEE, FLORIDA



OFFICIAL Mileage Per Cost Account

Sheet Number	Area Sq. Mi.	Lin. Ft. Shoreline
1-10744	11	11
1-10745	12	12
1-10746	13	13
1-10747	14	14
1-10748	15	15
1-10749	16	16
1-10750	17	17
1-10751	18	18
1-10752	19	19
1-10753	20	20
1-10754	21	21
1-10755	22	22
1-10756	23	23
1-10757	24	24
1-10758	25	25
1-10759	26	26
1-10760	27	27
<b>TOTALS</b>	<b>166</b>	<b>217</b>

#### SUMMARY

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

The seven (7) subject shoreline surveys represent the western part of Project PH-5886. The project covers the inland waterway from the city of Stuart on the east coast of Florida westward through the St. Leslie 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 Micpechee 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 platter 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 master 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.~~



PHOTOGRAMMETRIC PLOT REPORT

PROJECT PH-5806  
LAKE OKEECHOBEE, FLORIDA  
June 23, 1960

21. Area Covered

T-10966 through T-10972

22. Method

Two stereoplanigraph bridges were run in order to provide plane coordinate positions for landmarks and photo points, and to establish pass points for use in Kelsh compilation.

23. Adequacy of Control

Horizontal control provided complied with the project instructions, and was adequate. All control held in bridging.

24. Supplemental Data

None

25. Photography

Photography was adequate.

Submitted by

*Robert E. Fuechsel*  
Robert E. Fuechsel

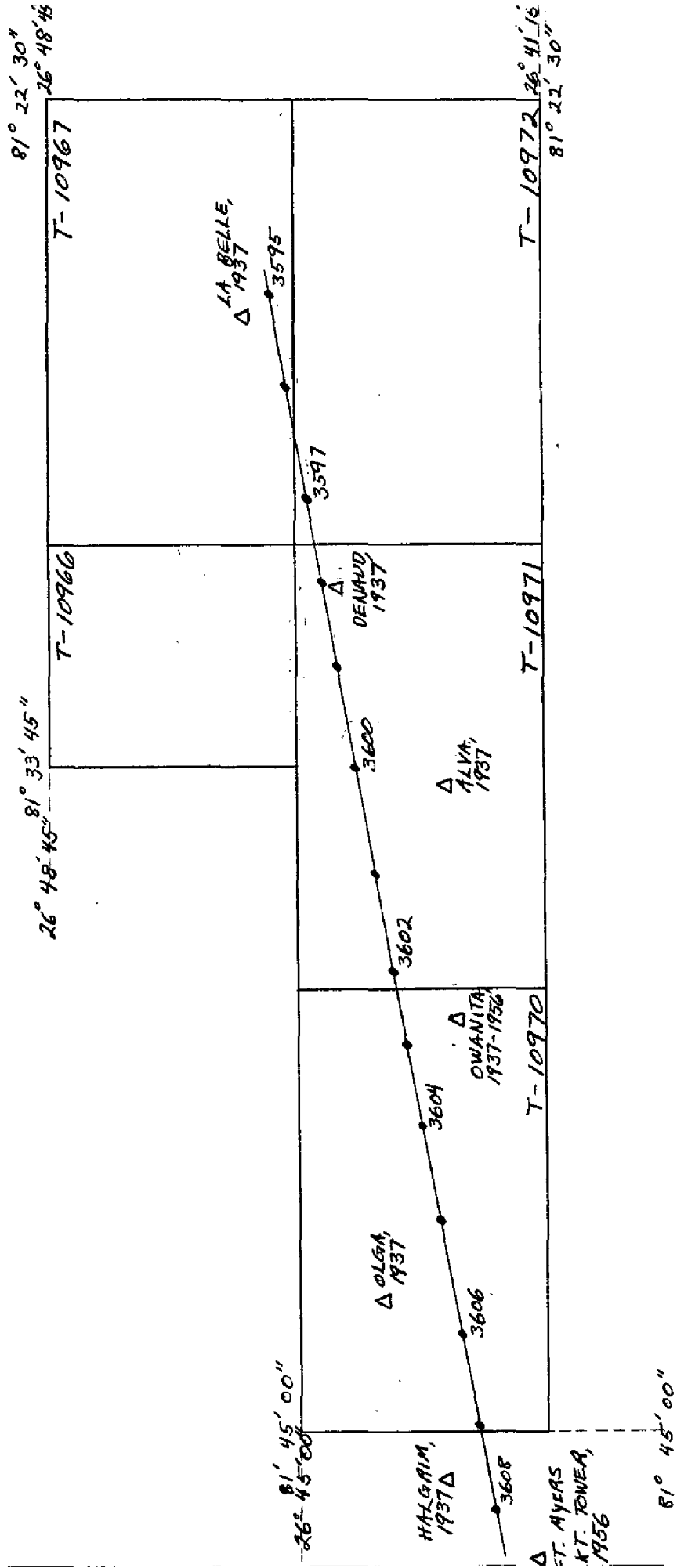
Approved

*Everett H. Ramey*  
\_\_\_\_\_  
Everett H. Ramey  
Chief, Stereoscopic Mapping Unit

LAKE OKEECHOBEE, FLA. PH - 5806

STEREOPHOTOGRAPH BRIDGING SKETCH

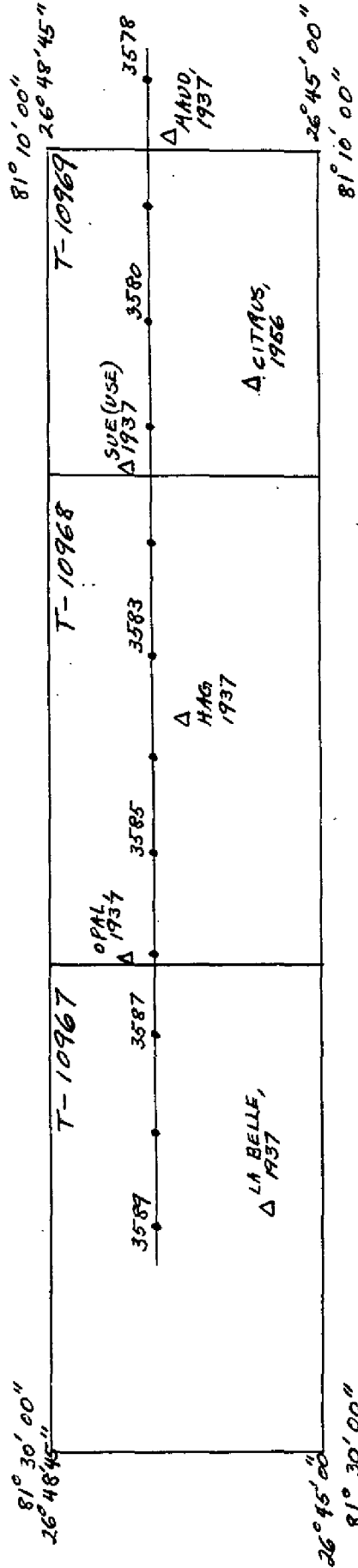
STRIP 1



LAKE OKEECHOBEE, FLA. PH-5806

STEREOPLANIGRAPH BRIDGING SKETCH

STRIP 2





COMPILATION REPORT T-10970

31. DELINEATION

Delineation was done with the Kelsh Plotter. The photographs used were of good quality and the field inspection was good.

Delineation of each model was extended as far north and south as possible to comply with project requirements. This sometimes exceeded the limits of field inspection.

32. CONTROL

Both primary and secondary control were adequate and placement was very good.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is generally apparent on photographs, otherwise it was indicated by field inspection.

35. SHORELINE AND ALONGSHORE DETAILS

All alongshore details have been shown as noted by the field inspector.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Forms 567 were submitted to the Washington Office 26 August 1960.

38. CONTROL FOR FUTURE SURVEYS

None established.

39. JUNCTIONS

Joins T-10971 to the east - junction in agreement.  
Joins T-11401 (Ph-1146) to the west - not yet compiled.

The manuscript in the northern part of U.S.G.S. Quadrangle OLGA (see Item 46) and the junction along the southern part appears satisfactory. The manuscript is not compiled to its northern neatline, except for the northeast corner, because of limited photographic coverage.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle OLGA, 1:24,000, edition of 1958. The comparison is very good.

Comparison has also been made with shoreline surveys T-5884 and T-5885, 1:10,000, dated 1943. The comparison is generally favorable except for the addition of roads and other cultural features plus the deletion of the railroad.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with C&GS Chart 1289, scale 1:80,000, second edition March 14, 1949, revised Mar. 9, 1959. The comparison is good except for new subdivision roads that are not on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Russell J. Pate*

Russell J. Pate  
Carto Photo Aid

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- 10970

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

Unclassified

CONTROL STATIONS

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 WHS

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 WHS 17. Landmarks WHS 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 WHS 29. Railroads XX 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 Reviewer  
Milton M. Slavney 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:

NOTES TO THE WASHINGTON OFFICE REVIEWER

Buildings circled by the Field Inspector were not considered of landmark value and have not been shown on the Advance Manuscript.

Tampa

48. GEOGRAPHIC NAMES LIST

\*Caloosahatchee River  
Cypress Creek

Devils Elbow

Fichter Creek  
Fort Myers Shores

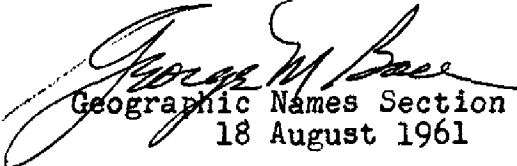
Hickey Creek  
Hickey Creek Swamp

Olga  
Orange River  
Otter Creek  
Owanita

Paradise Shores

Telegraph Creek  
Telegraph Estates  
Trout Creek

\* 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.
GOODENO, 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:

*Joseph J. Streifler*

Joseph J. Streifler, Sept. 1961

Approved by:

*L. A. Lande*

Chief, Review & Editing Sec.  
Photogrammetry Division

*Marvin T. Lamborn*

Chief, Nautical Chart Division

*J. E. Waugh 8/3/62*

Chief, Photogrammetry Division

*Max Skellett*

Chief, Operations Division

