**Form 804**

**U. S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>SHORELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No: T-10968</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>FLORIDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>CALOOSAHATCHEE RIVER</td>
</tr>
<tr>
<td>Locality</td>
<td>ORTONA LOCK</td>
</tr>
</tbody>
</table>

**19.59**

**CHIEF OF PARTY**

V. Ralph Sobiaralski, Tampa District Officer

**LIBRARY & ARCHIVES**

**DATE**

**AUG 1962**
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, 1951

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 (2) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): HAG (USE) 1937

Lat.: 26°46'51.111" (1582.4 m.)
Long.: 81°18'11.512" (1219.7 m.) Adjusted

Plane Coordinates (IV):
State: Florida Zone: East

Y = 889,634.13 Ft. x = 398,123.22 Ft.
Areas contoured by various personnel
(Show name within area)

(II) (III)

Inapplicable
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

Redhet-Plotor Stereoscopic
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  
checked by (II) (III):  
Date:
DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>59-W-3582</td>
<td>25 March 1959</td>
<td>1012</td>
<td>1:30,000</td>
<td>Inapplicable</td>
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<tr>
<td>59-W-3583</td>
<td>n</td>
<td>1012</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>59-W-3584</td>
<td>n</td>
<td>1013</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>59-W-3585</td>
<td>n</td>
<td>1013</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>59-W-3586</td>
<td>n</td>
<td>1014</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Inapplicable

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):

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

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

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 24.5#

Shoreline (More 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

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.
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 Hicochee 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 sketched sheets and suitable for the direct reproduction of file copies.

A color 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 1969.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAG (USE) 1937</td>
<td>222</td>
<td>876.634.13</td>
<td>12.1161.0</td>
<td>12.13.48.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPAL (USE) 1937</td>
<td>230</td>
<td>876.342.94</td>
<td>27.290.11</td>
<td>27.290.11</td>
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<td></td>
</tr>
</tbody>
</table>
PHOTOGRAVMETRIC 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 19th, 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.

**APPROVED AND FORWARDED**

   [Signature]

Webber W. Dawsey
Cartographer (Photo)

[Signature]

V. Ralph Sobieralski
Tampa District Officer
49. NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT
T. 10968


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy XX 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX

ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS


40. William H. Shearouse
Reviewer

William H. Shearouse

Milton M. Slavney
Supervisor, Review Section or Unit

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

[Signature]
Geographic Names Section
18 August 1961
REVIEW REPORT OF
SHORELINE MAP MANUSCRIPTS T-10966 THRU T-10972

62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Manuscript</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5884</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
<tr>
<td>T-5885</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
<tr>
<td>T-5886</td>
<td>1:10,000</td>
<td>1939</td>
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<tr>
<td>T-5887</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
<tr>
<td>T-5888</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
<tr>
<td>T-5889</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Location</th>
<th>Scale</th>
<th>Date</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLGA, FLA.</td>
<td>1:24,000</td>
<td>1958</td>
<td>U.S.G.S.</td>
</tr>
<tr>
<td>ALVA, FLA.</td>
<td>1:24,000</td>
<td>1958</td>
<td>U.S.G.S.</td>
</tr>
<tr>
<td>SEARS, FLA.</td>
<td>1:24,000</td>
<td>1958</td>
<td>U.S.G.S.</td>
</tr>
<tr>
<td>LA BELLE, FLA.</td>
<td>1:24,000</td>
<td>1958</td>
<td>U.S.G.S.</td>
</tr>
<tr>
<td>GOODNO, FLA.</td>
<td>1:24,000</td>
<td>1958</td>
<td>U.S.G.S.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Revised to</th>
</tr>
</thead>
<tbody>
<tr>
<td>1289</td>
<td>1:60,000</td>
<td>61 7/3</td>
</tr>
</tbody>
</table>

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:

[Signature]
Josef J. Streifler, Sept. 1961
Approved by:

[Signature]
Chief, Review & Drafting Sec. Photogrammetry Division

[Signature]
Chief, Nautical Chart Division

[Signature]
Chief, Photogrammetry Division

8/3/67 [Signature]
Chief, Operations Division
# Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Before  After  Verification and Review</td>
</tr>
<tr>
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<td>Before  After  Verification and Review</td>
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</table>

A basic hydrographic or topographic survey supersedes all information on the uncorrected chart.

Give reasons for deviations, if any, from recommendations made under “Comparison with Charts” in the Review.