# Descriptive Report

**Type of Survey**: SHORELINE  
**Field No.**: Office No.: T-10970

## Locality

**State**: FLORIDA  
**General locality**: CALOOSAHATCHEE RIVER  
**Locality**: OLOGA

**1959**

**Chief of Party**: V. Ralph Sobieralski, Tampa District Officer

**Library & Archives**: AUG 3 1962
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):

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 (g) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): OLGA, 1937

Lat.: 26°3'48.512" (1493.0 m.)
Long.: 81°42'35.194" (972.7 m.)

Plane Coordinates (IV):

State: Fla.
Zone: East

\[ Y = 871,688.67 \text{ Ft.} \]
\[ X = 268,326.97 \text{ Ft.} \]

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

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 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

RadialRicolor 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

of compilation


Elevations on Manuscript checked by (II) (III):  Inapplicable  Date:
**Tide does not affect the water level in this area except in the western part where high tide in the Gulf may slow the river current and cause it to rise slightly.**

Washington Office Review by (IV): [Signature]

Final Drafting by (IV): R. E. Smith Jr. (Tampa District Office)

Review: W. H. Shearouse (Tampa District Office)

Drafting verified for reproduction by (IV): [Signature]

Proof Edit by (IV): [Signature]

Land Area (Sq. Statute Miles) (III): 30

Shoreline (More 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:
SUMMARY

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

The seven (7) subject shoreline surveys represent the western part of Project AX-5866. The project covers the inland waterway from the city of Stuart on the east coast of Florida westward through the St. Lucie Canal, the St. Johns 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 Miccosukee 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 1959 covering subject map manuscripts. They were compiled by Relief 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 bromide 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.
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. Fuechse

Approved

Everett H. Ramey
Chief, Stereoscopic Mapping Unit
LAKE OKEECHOBEE, FLA.  PH - 5806
STEREOPLANOGRAPH BRIDGING SKETCH
STRIP 1
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR $\phi$-COORDINATE</th>
<th>LATITUDE OR $\lambda$-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>
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<tr>
<td>OLGA, 1937</td>
<td>Pl. Coord. Zone</td>
<td>871.686.45</td>
<td>265.326.85</td>
<td>265 5690.8</td>
<td>26 1786.9</td>
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<tr>
<td>OWAN, 1937</td>
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<td>863.976.85</td>
<td>263 3340.7</td>
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<td>26 1786.9</td>
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</tbody>
</table>

1 ft. = 0.3048006 meters

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-11\(\frac{1}{2}\)01 (Ph-1\(\frac{1}{2}\)) 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
NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T-10970


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy  W HS  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

Supervisor, Review Section or Unit
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:

M 2023-17
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
SHEETLINE MAP MANUSCRIPTS T-10966 THRU T-10972

62. Comparison with Registered Topographic Surveys:

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

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

63. Comparison with Maps of Other Agencies:

Alabama, Fla. 1:24,000 1958 U.S.G.S.
Alva, Fla. 1:24,000 1958 U.S.G.S.
Arthur, Fla. 1:24,000 1958 U.S.G.S.
La Bello, 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 were 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:

1899 1:80,000 Revised to 61 7/3

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 of Reviewer]

Josef J. Streifler, Sept. 1961
Approved by:

Le Lande  
Chief, Review & Drafting Sec.  
Photogrammetry Division

Marvin French  
Chief, Nautical Chart Division

Jewett 9/62  
Chief, Photogrammetry Division

Chief, Operations Division
### Record of Application to Charts

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

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.