

10972

ORIGINAL

22601
10972

Form 604	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-10972
LOCALITY	
State	FLORIDA
General locality	CALOOSAHATCHEE RIVER
Locality	SOUTH OF LA BELLE
19 59	
CHIEF OF PARTY	
V. Ralph Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	AUG 3 1962

USCOMM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10972

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

Field Office (II): **Tampa, Florida**

Chief of Party: **Arthur 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): **LA BELLE 1937 (on T-10967)**

Lat.: $26^{\circ} 45' 40.292''$ (1240.0 m.) Long.: $81^{\circ} 26' 18.440''$ (509.5 m.)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: **Florida**

Zone: **East**

Y = **882,575.50 Ft.**

X = **356,927.83 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): **George E. Varnadoe** Date: **Oct - 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): **W. Souders (W.O.)** Date: **June 1960**

Control plotted by (III): **V. P. Cackowski** Date: **Aug. 1960**

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

~~Radial Plot or~~ Stereoscopic Control extension by (III): **R. E. Fuechsel (W.O.)** Date: **June 1960**

Stereoscopic Instrument compilation (III):
Planimetry **E. T. Ogilby** Date: **Oct 1960**
Contours Date:

Manuscript delineated by (III): **E. T. Ogilby** Date: **Oct 1960**

of compilation
Photogrammetric Office Review by (III): **I. I. Saperstein** Date: **Nov 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
59-W-3597	25 March 1959	1029		1:30,000	Inapplicable

Tide (III)
Inapplicable

Ratio of Ranges	Mean Range	Spring Range

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): *W. Streifler*

Date: *Aug. 1961*

Final Drafting by (IV): **V. P. Cackowski (Tampa District Office)**
" " Reviewed by **W. H. Shearouse (Tampa District Office)**

Date: **Dec. 1960**
Jan. 1961

Drafting verified for reproduction by (IV): *W. Streifler*

Date: *Aug. 1961*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **8**
Shoreline (More than 200 meters to opposite shore) (III): **3 linear miles**

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

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

Number of Triangulation Stations searched for (II): **0** Recovered: **0** Identified: **0**

Number of BMs searched for (II): **0** Recovered: Identified:

Number of Recoverable Photo Stations established (III): **0**

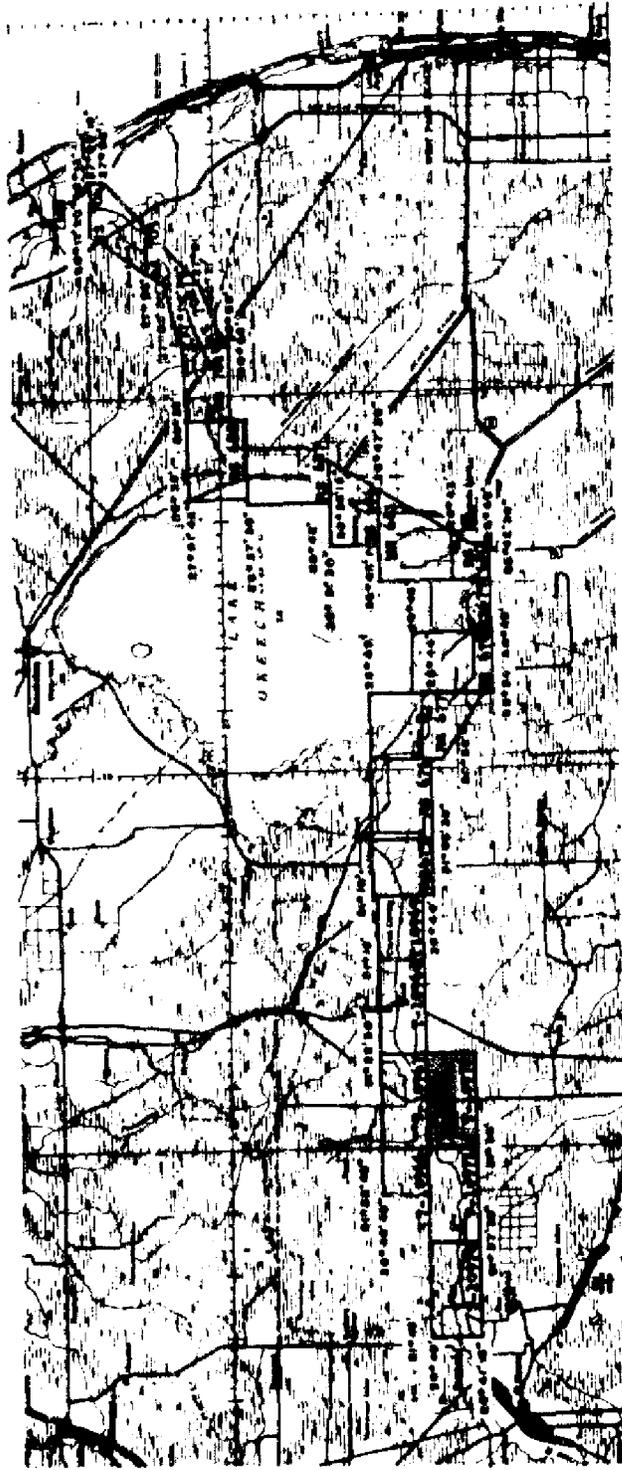
Number of Temporary Photo Hydro Stations established (III): **0**

Remarks:

PROJECT PH-5806

LOCATION OF AIDS TO NAVIGATION

LAKE OKEECHOBEE, FLORIDA



Official Mileage Per Cont. Assurances

Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline
1-1084	21.1	21.1
1-1085	24.6	24.6
1-1086	25.5	25.5
1-1087	25.5	25.5
1-1088	25.5	25.5
1-1089	25.5	25.5
1-1090	25.5	25.5
1-1091	25.5	25.5
1-1092	25.5	25.5
1-1093	25.5	25.5
1-1094	25.5	25.5
1-1095	25.5	25.5
1-1096	25.5	25.5
1-1097	25.5	25.5
1-1098	25.5	25.5
1-1099	25.5	25.5
1-1100	25.5	25.5
1-1101	25.5	25.5
1-1102	25.5	25.5
1-1103	25.5	25.5
1-1104	25.5	25.5
1-1105	25.5	25.5
1-1106	25.5	25.5
1-1107	25.5	25.5
1-1108	25.5	25.5
1-1109	25.5	25.5
1-1110	25.5	25.5
1-1111	25.5	25.5
1-1112	25.5	25.5
1-1113	25.5	25.5
1-1114	25.5	25.5
1-1115	25.5	25.5
1-1116	25.5	25.5
1-1117	25.5	25.5
1-1118	25.5	25.5
1-1119	25.5	25.5
1-1120	25.5	25.5
1-1121	25.5	25.5
1-1122	25.5	25.5
1-1123	25.5	25.5
1-1124	25.5	25.5
1-1125	25.5	25.5
1-1126	25.5	25.5
1-1127	25.5	25.5
1-1128	25.5	25.5
1-1129	25.5	25.5
1-1130	25.5	25.5
1-1131	25.5	25.5
1-1132	25.5	25.5
1-1133	25.5	25.5
1-1134	25.5	25.5
1-1135	25.5	25.5
1-1136	25.5	25.5
1-1137	25.5	25.5
1-1138	25.5	25.5
1-1139	25.5	25.5
1-1140	25.5	25.5
1-1141	25.5	25.5
1-1142	25.5	25.5
1-1143	25.5	25.5
1-1144	25.5	25.5
1-1145	25.5	25.5
1-1146	25.5	25.5
1-1147	25.5	25.5
1-1148	25.5	25.5
1-1149	25.5	25.5
1-1150	25.5	25.5
1-1151	25.5	25.5
1-1152	25.5	25.5
1-1153	25.5	25.5
1-1154	25.5	25.5
1-1155	25.5	25.5
1-1156	25.5	25.5
1-1157	25.5	25.5
1-1158	25.5	25.5
1-1159	25.5	25.5
1-1160	25.5	25.5
1-1161	25.5	25.5
1-1162	25.5	25.5
1-1163	25.5	25.5
1-1164	25.5	25.5
1-1165	25.5	25.5
1-1166	25.5	25.5
1-1167	25.5	25.5
1-1168	25.5	25.5
1-1169	25.5	25.5
1-1170	25.5	25.5
1-1171	25.5	25.5
1-1172	25.5	25.5
1-1173	25.5	25.5
1-1174	25.5	25.5
1-1175	25.5	25.5
1-1176	25.5	25.5
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1-1179	25.5	25.5
1-1180	25.5	25.5
1-1181	25.5	25.5
1-1182	25.5	25.5
1-1183	25.5	25.5
1-1184	25.5	25.5
1-1185	25.5	25.5
1-1186	25.5	25.5
1-1187	25.5	25.5
1-1188	25.5	25.5
1-1189	25.5	25.5
1-1190	25.5	25.5
1-1191	25.5	25.5
1-1192	25.5	25.5
1-1193	25.5	25.5
1-1194	25.5	25.5
1-1195	25.5	25.5
1-1196	25.5	25.5
1-1197	25.5	25.5
1-1198	25.5	25.5
1-1199	25.5	25.5
1-1200	25.5	25.5
TOTALS	165	165

SUMMARY

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

The seven (7) subject shoreline surveys represent the western part of Project PL-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 Okeechobee 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 Kalch 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 creamer film positive at the compilation scale of 1:26,000 and the Descriptive Report of each will be registered and filed in the Bureau Archives.

September 1961

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

COMPILATION REPORT T-10972

PHOTOGRAMMETRIC PLOT REPORT

Stereoscopic Bridge Report is submitted with T-10970.

31. DELINEATION

The Kelsh Plotter was used for delineation. The field inspection was adequate. In some areas compilation was carried slightly beyond the limits of field inspection in order to satisfy the required limits of delineation.

32. CONTROL

Primary and secondary control was sufficient and placement was good.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was indicated by the field inspector where it was not apparent on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline was shown as indicated by the shoreline inspection which was adequate. There are no alongshore details.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10967 to the north and T-10971 to the west. The manuscript is the northwest corner of USGS Quadrangle SEARS, 1958 and the junction appears good.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle SEARS, 1:24,000, edition of 1958. The comparison is good except that the marl pit pond shown on the quadrangle at longitude $81^{\circ} 28' 24''$ does not now empty into the Caloosahatchee River.

Comparison has also been made with shoreline surveys T-5886 and T-5887, 1:10,000, edition of 1943. Some changes were noted due to passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

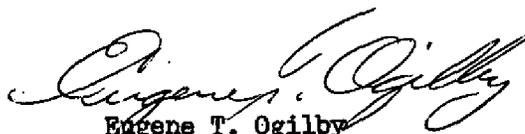
Comparison has been made with Chart 1289, 1:80,000, 2nd edition, 14 March 1949, revised to 9 March 1959. Maps listed under Item 46 are probably the source of topography and the same differences apply.

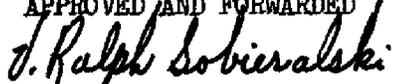
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Eugene T. Ogilby
Cartographer (Photo)

APPROVED AND FORWARDED

V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAMES LIST

*Caloosahatchee River

Deadman Branch

Florida

Hilliard Gully -

La Belle Municipal Airport

* B.G.N. decision

George M. Bee
Geographic Names Section
18 August 1961

**REVIEW REPORT OF
SHORELINE MAP MANUSCRIPTS S-10966 THRU S-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:

OSMA, FLA.	1:24,000	1958	U.S.G.S.
ALVA, FLA.	1:24,000	1958	U.S.G.S.
SEAS, FLA.	1:24,000	1958	U.S.G.S.
LA BELLE, FLA.	1:24,000	1958	U.S.G.S.
COONS, 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:

1209	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. Summary 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. Straifler

Joseph J. Straifler, Sept. 1961

Approved by:

L. Lande

Chief, Review & Drafting Sec.
Photogrammetry Division

Mervin T. Paulson

Chief, Nautical Chart Division

J. E. Waugh 8/3/62

Chief, Photogrammetry Division

Max R. Little

Chief, Operations Division

49. NOTES FOR THE HYDROGRAPHER

None.

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PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10972

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

4a. Classification label Unclassified

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) 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 XX 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 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
William H. Shearouse
Milton M. Slavney 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:

