

5897

5897

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. _____ Office No. T-5897

LOCALITY

State Florida

General locality Lake Okeechobee

Locality Florida East Coast
Entrance to Indian Prairie Canal.

Photos: Jan. 9, 1940

194 2

CHIEF OF PARTY

Lt. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE May 27 1947

Applied to chart 1289 7/16/43 G.T.E (before review)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No.

REGISTER NO. T-5897

State Florida

General Locality Lake Okeechobee (Florida East Coast)

Locality Lake Okeechobee Entrance to Indian Prairie Canal
Photos

Scale 1:10,000 Date of ~~survey~~ January 9, 19 40

Party ~~Used~~ Air Photographic Party No. 1

Chief of party Lieut. Comdr. Kenneth G. Crosby

Field Inspected by: Lieut. James D. Thurmond
~~Surveyed by~~

Inked by Harold V. Reid, Sr. Engineering Draftsman

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated April 3, 19 40

Remarks:

SHEET No. T— 5897

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control surveys.....			
Planetable Surveys.....			
Total			

SUPPLEMENTARY SURVEYS

Preparation of Photographs.....	JEH, CH	Oct. & Nov.	5
Field Work.....			
Inking Notes.....			
Coast Pilot Notes.....			
Geographic Name Reports.....			
Land Marks for Charts.....			
Description Cards & Recovery Notes.....			
Total			5

MAIN RADIAL PLOT

Scale Plot.....			
Projection on Base Sheet.....			
Projection on Survey Sheet.....			
Control Plotted.....			
Control Checked.....			
Control Trans. to Base Sheet.....			
Transfer Checked.....			
Control Picked on Photograph.....			
Control Checked on Photograph.....			
Hydro & Topo. Stations Picked.....			
Radial Points Picked.....			
Adjacent Centers Picked.....			
Templates.....			
Radial Plot.....	JEH, FHE, WHS	Aug.	3
Radial Points Transferred.....	JEH	Aug.	4
Transfer Checked.....	JEH	Aug.	4
H & T Stations Scaled & Checked.....			
Additional Radial Points.....			
Investigation of Radial Points.....			
Total			1 $\frac{1}{4}$

DETAILING

Rough Draft.....	HVR	Sept.	5
Smooth Draft.....			
Total			5

COMPILATION

Name overlay.....	HVR	Sept.	3
Descriptive Report.....	HVR	Sept.	2
Field Review.....	WHS	Sept.	2

Total time spent on Sheet..... | 7
18 $\frac{1}{4}$ hours

SHEET No. T— 5897

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
<p>None <i>(i.e. no photo centers within limits of sheet. Sheet detailed from 4625 & 4626 whose centers appear on adjoining sheets.)</i></p>			

Tide from predicted tables for: **None**

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length 8 $\frac{1}{4}$ inches)

SCALE

Mean scale of Photographs----- 1:10,000 \pm 1.008
 Scale of Survey Sheet----- 1:10,000

STATISTICS

Area (land)----- **None** Square statute miles
 Shoreline (more than 200 m. from opposite shore)----- " Statute miles
 Shoreline (creeks) ----- " Statute miles
 Roads, streets, trails, and railroads----- " Statute miles

REFERENCE STATION

Station: **None** Latitude:
 Datum: Longitude:

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-5897

GENERAL

This sheet was compiled in accordance with "Instructions for Drafting Air Photographic Surveys, Project H.T. 242", dated April 3, 1940.

The general location of the area, covered by this survey sheet, is Lake Okeechobee (Florida East Coast). The immediate vicinity is the northwest part of Lake Okeechobee.

The entire area of this survey sheet is practically void of solid land. Grass in water covers this sheet as a whole within its detailing limits. A small amount of marsh land appears in the extreme northwest corner and a few small spoil areas bordering a dredged channel.

No photograph centers appear within the detailing limits of this sheet. The sheet was drafted from photographs whose picture center falls outside said detailing limits, viz: photographs No. 4625 and No. 4626.

MAIN RADIAL PLOT

A continuous radial plot was run on August 6 and 7, 1942, for the purpose of locating all photograph centers, all hydrographic stations, topographic stations, bench marks, azimuth marks and radial points. The plot extended over the area covered by sheets T-5893 - T-5899 inclusive. All photographs in the area were used. It extends along the west side of the lake from a point just north of Moore Haven, Florida, to a point slightly south of Okeechobee, Florida. Photographs forming the southern limits are 4636, 4641 and 4646. The most northern one is 4614.

There were 24 templates used, all being for 9 lens photographs and being controlled by triangulation stations as follows: 1 template by 4; 1 by 3; 5 by 2; 13 by 1; 4 by 0. The existing triangulation was sparse but proved adequate for controlling the plot.

The usual practice of laying the plot was followed. This consisted of plotting the control on the survey sheets and then transferring it to the base grid sheets by matching grid squares. The agreement between the grid lines on the survey sheet and those on the base grid was good and only small adjustment was necessary. After laying the plot the intersections of radial lines were transferred to the survey sheet by again matching grid squares as previously described.

Overlapping points were transferred from a previous plot which covered sheets T-5890, T-5891, T-5892 and T-5904 to sheets T-5893 and T-5894. By holding these points the laying of templates proceeded north and northeast until a junction was made with existing points on a previous plot covering sheets T-5900 - T-5903 inclusive. The agreement along the flight lines and the intersections of radial lines to adjacent photographs was good. In some instances where a good intersection was not formed by the radial lines the "cuts" were transferred to the survey sheet for further investigation by the draftman. They are as follows: Sheet T-5893 had 7; T-5894 had 0; T-5895 had 1; T-5896 had 5; T-5897 had 3; T-5898 had 14; T-5899 had 6. In addition to these a number of two-cut intersections were transferred to the survey

sheets. About 10 percent of all points were 2-cut intersections, being caused by the single flight line covering most of the plot. All other points were established by the intersections of from 3 to 6 radial lines.

This is a very good plot and considered strong enough for accurate detailing of the survey sheets. No large or unusual adjustments were necessary; and all points are picked within 0.25 m.m. of their true position

Various colored inks were used on the photographs and survey sheets to designate control, topographic stations and radial points.

The following key is furnished for reference:

Photographs

Triangulation & Traverse Stations.....2.5 m.m. blue circle
Hydrographic and topographic stations.....2.5 m.m. green circle
Radial Points in the main plot.....2.5 m.m. red circle
Additional radial points.....3.5 m.m. red circle
Photograph centers.....Double white circle

Survey Sheets

Triangulation and traverse stations.....3.5 m.m. high black triangle
Hydrographic and topographic stations.....2.5 m.m. black circle
Radial Points on main plot.....2.5 m.m. blue circle on back
Additional radial points.....3.5 m.m. blue circle on back
Photograph centers.....Double blue circle on back

INTERPRETATION OF PHOTOGRAPHS

The photographs as referred to in the above general description were reasonably clear and no difficulty was experienced in interpreting detail.

FIELD INSPECTION

Field inspection was made by Lieut. James D. Thurmond during April 1942.

DETAILING

This sheet was detailed in accordance with the current instructions for this project.

The photographs used for this drawing were reasonably clear and of good scale.

The use of the stereoscope was not found necessary in drafting the sheet.

Before detailing, the surface of this sheet was rubbed with magnesium carbonate and washed off. No additional cleaning or reinking has been necessary.

The legend used by the field inspection party and by the draftsman

has been made a part of this report.

COMPARISON WITH OTHER SURVEYS

There are no existing surveys in this area with which accurate comparison could be made.

JUNCTIONS

This sheet joins sheet T-5896 on the west and Sheet T-5898 on the North. Both junctions are in good agreement.

LANDMARKS

There are no prominent landmarks on this sheet.

Respectfully submitted,

Harold V. Reid

Harold V. Reid
Sr. Engineering Draftsman

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party...

T-5897

Remarks.

Decisions

	Remarks.	Decisions
1		269806-808 USGB
2		LA
3		1941 off. Road Map
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GEOGRAPHIC NAMES

Survey No. T-5897

Name on Survey	Source											
	A	B	C	D	E	F	G	H	K			
<u>Lake Okeechobee</u>												1
<u>Entrance to Indian Prairie Canal</u>												2
<u>Florida Highway No. 29</u>												3
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Names underlined in red approved
by Le Heck on 12/28/44

Division of Photogrammetry
Review of Planimetric Map T-5897

This map was compiled in the Tampa Office and submitted to Washington in September 1942, but the Washington Office processing was delayed by war map work of the Bureau. The map was reviewed in 1944, drafted in 1945, printed in 1946, and registered in 1947.

Shoreline changes.

o Almost the entire area of this sheet is outside the shoreline. The sheet consists of an area of grass in the water. As received from the Tampa Office this was merely labeled grass in water. During review this area has been detailed to show marsh islands, dense grass in water, and scattered grass in water in the same manner as these features are shown on T-5898 to the north.

Comparison with Previous Surveys.

T-5897 has been compared with T-4130, 1:20,000, 1924 and supersedes that survey over the common area. On T-5897 an attempt was made to delineate the grass in water areas. These were omitted on T-4130. Therefore, the appearance of the two surveys is almost totally different.

Comparison with Nautical Charts.

T-5897 was applied to chart 1289 prior to this review. Extensive changes have been made in the shoreline and area just outside of the shoreline during this review and these affect the chart. These changes are shown in red on the manuscript and have been incorporated on the printed copy.

Reviewed under the direction of D. H. Benson.

This report prepared by B. G. Jones from reviewer's notes, May 1947.

APPROVED BY:

M. Jones 5/47
Technical Assistant to the
Chief, Div. of Photogrammetry

J. E. Stenlund
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

L. K. Green
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Surveys

