# 5897

5897

Form	504
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U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

Type of Survey Planimetric
Field NoOffice NoT-5897
LOCALITY
StateFlorida
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 27-4947

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

# 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	
StateFlorida	
General Locality Lake Okeechobee (Florida East Coast	.)
Locality Lake Okeechobee Entrance to Indian Prair	ie Canai
Scale 1:10,000 Date of Stormey January 9 , 19	40
Party Wessel Air Photographic Party No. 1	
Chief of party Lieut. Comdr. Kenneth G. Crosby Field Inspected by: Lieut. James D. Thurmond	
Inked by Harold V. Reid, Sr. Engineering Draftsman	
Heights in feet above to ground to tops of tr	ees
Contour, Approximate contour, Form line interval fee	t
Instructions dated April 3, 19	40
Remarks:	
	<del>-</del>

# SHEET No. T— 5897

SUPPLEMENTARY SURVEYS	Name	Date	Hours	
Control surveys				
Planetable Surveys				
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		Total		
SUPPLEMENTARY SURVEYS				
Preparation of Photographs		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	I .			
Control Picked on Photograph	t e			
Control Checked on Photograph				
Hydro & Topo, Stations Picked				
Radial Points Picked				
Adjacent Centers Picked			l.	
Templates				
Radial Plot		Mug.	3/4	
Radial Points Transferred		Aug.	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Transfer Checked		Aug.	1 1	
H & T Stations Scaled & Checked		_	•	
Additional Radial Points				
Investigation of Radial Points				
	<u> </u>	Total	1 1 ½	
DETAILING		20002	<u>4</u>	
Rough Draft	HVR	Sept.	5	
Smooth Draft		Dobo.		
Sinoui Diait		701-4-1		
COMPILATION		Total	5	
Name overlay	HVR	Sept.	3	-
Descriptive Report	HVR	Sept.	2	
Field Review	WHS	Sept.	2	
•	<del></del>	·	7	_
Total time spent on Sheet			$18\frac{1}{4}$ hours	
-			-	

# SHEET No. T— 5897

## **PHOTOGRAPHS**

Number	Date	Time	Stage of Tide
None, i.e. no photo centers i.e. no photo centers of within Limits of sheet sheet detailed from 1625 & 1626 hose centers appear on adjoining sheets.)		,	
in adjoining streets)	•		

Tide from predicted tables for:

None

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length 81/4 inches)

### SCALE:

Mean scale of Photographs	1:10,000 + 1.008 1:10,000
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)	17	Statute miles
Roads, streets, trails, and railroads	<sup>17</sup> .	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 draftsman. 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

#### Survey Sheets

#### 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.

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Respectfully submitted, DLarold V. Rud

Harold V. Reid

Sr. Engineering Draftsman

Forwarded by:

Kenneth G. Cropb

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#### 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.

a 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.

T-5897 Page 2

APPROVED BY:

Technical Assistant to the Chief, Wautical Char Chief, Div. of Photogrammetry Division of Charts

Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

# NAUTICAL CHARTS BRANCH

# SURVEY NO. 45897

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
-17-47	1289	Mandros	Before After Verification and Review July
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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.