

5871

Diagrammed on diagram chart No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. _____ Office No. T-5871

LOCALITY

State Florida

General locality Caloosahatchee River

Locality Fourmile Point

*Nine lens photos 11/12/42 Supplemented by
ground survey to 1943*
1943

CHIEF OF PARTY

Lieut. Comdr. K. C. Crosby

LIBRARY & ARCHIVES

DATE

July 29 - 1947

B-1870-1 (1)

5871

DATA RECORD

T- 5871

Quadrangle (II):

Project No. (II): n.T. 242-G

Field Office: Tampa, Florida

Chief of Party: K. G. Crosby

Compilation Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Instructions dated (II III): 4/3/40

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office:

10/19/43

Reported to Nautical Chart Section:

1/26/45

Reviewed: 2-7-46

Applied to chart No. 1255

Date: 8-22-45

Redrafting Completed: 3/6/47

Registered: 7/47

Published: 5/20/47

Compilation Scale: 1:10,000

Published Scale: 1:10 000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): 0.60 ft. below
mean sea level. Okeechobee
Datum.

Reference Station (III): Fourmile 2, 1927

Lat.: 26°36'27".034 (832.0) m. Long.: 81°54'44".342 (1226.8) m. Adjusted
Unadjusted

State Plane Coordinates (VI):

X = 528,650.22

Y = 526,476.62

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11590	11/12/42	11:16 A.M.	1:10,000	+ 0.1'
11591	"	11:16 A.M.	"	+ 0.1'
11592	"	11:17 A.M.	"	+ 0.1'

Tide from (III): Mt. Myers, Caloosahatchee River (Ref.Sta. Tampa Bay)

Mean Range: 0.7 ft.

Spring Range: 0.9 ft.

Camera: (Kind or source) USCGS 9 lens

Field Inspection by: F.A.Duify, Prin.Photo.Aid date: 1943
L.C.Bonham, Jr.Photo.Engr.

Field Edit by: date:

Date of Mean High-Water Line Location (III): Date of photographs

Projection and Grids ruled by (III) Wash. Office date: 5/12/43

" " " checked by: " " date: "

Control plotted by: A. Dossett, Prin.Photo.Aid date: 7/13/43

Control checked by: O.H.Rivera, Sr.Photo.Aid date: "

Radial Plot by: Tampa Office Personnel date: July 1943

Detailed by: M.E.Gray, Engr.Draftsman date: Aug.-Sept. 1943

Reviewed in compilation office by: J.A.Giles, Asst. date: Oct. 1943
Photo.Engr.

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 17.9

Shoreline (More than 200 meters to opposite shore): 3.7

Shoreline (Less than 200 meters to opposite shore): 25.0

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: 21

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-5871
Project 242-G

CONTROL

Triangulation station FOURMILE 2, 1927, was the only control station falling within the detailing limits of this sheet. However, secondary control points were established by the main radial plot and were adequate to use as control in cutting additional radial points.

MAIN RADIAL PLOT

Discussion of the main radial plot which includes this sheet has been made a part of the compilation report for Sheet T-5872.

DETAILING

The detailing of this sheet has been according to the current instructions for this project.

Field inspection was plentiful throughout the sheet.

Photographs 11592 and 11591 were of good scale. The scale was not good on photo. 11590.

Photos. 11590 and 11591 were very clear and good for interpreting detail. Photo. 11592 was too dark for accurate detailing on the northern half. The extreme northern part of this sheet was detailed from photos 11593 and 11594, whose centers fall outside the detailing limits of this sheet. The shoreline of the Caloosahatchee River was taken from photos 11570 and 11569 whose centers also fall outside the detailing limits.

SUPPLEMENTAL DATA

No supplemental data was available.

LANDMARKS AND AIDS TO NAVIGATION

No non-floating aids to navigation or landmarks appear on this sheet.

HYDROGRAPHIC CONTROL

Twenty-one unmarked H & T stations appear within the limits of this sheet. These may be recovered for future hydrographic use.

Also the following marked H & T stations may be recovered for future hydrographic use: Jab, 1943; Kid, 1943; Hen, 1943.

All of the above stations were established by the radial plot and the three marked ones are described on Form 524, on which the geographic position has also been listed.

GEOGRAPHIC NAMES

A special report on the geographic names under the title FLORIDA WEST COAST, CALOOSAHATCHEE RIVER, SAN CARLOS BAY, PINE ISLAND SOUND AND LATLACHA PASS, was submitted by Harold A. Duffy, Prin. Photo. Aid, to the Washington Office May 31, 1943. 814

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no topographic quadrangle maps available for a comparison.

COMPARISON WITH NAUTICAL CHARTS

A visual comparison of the shoreline was made with Nautical Chart No. 1255. This chart is 1:60,000 scale and an accurate comparison could not be made, however, the shoreline agreement seems good. The vegetation inland does not show on the nautical chart.

Respectfully submitted,

Ellwood E. Gray

Ellwood E. Gray
Engineering Draftsman

Forwarded by:

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

GEOGRAPHIC NAMES

Survey No. T-5871

Name on Survey										
	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Florida</u>	✓								USCB	1
<u>Caloosahatchee River</u>	✓								"	2
<u>State No. 189</u>	✓									3
										4
<u>Fourmile Point</u>	✓									5
<u>Fourmile Point Cove</u>	✓									6
<u>Hancock Creek</u>	✓	(not Yellow Fever Creek)								7
										8
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Names identified in red approved
by L. Heck on 1/9/47

Division of Photogrammetry

Review of Planimetric Map T-5871

Radial Plot. (See Descriptive Report T-5872)

The manuscript was placed over the prepared photographs in order to test the accuracy of radial intersections. The greater part of them were good (particularly along the shoreline). The small discrepancies found could have been due to the age and condition of the photographs.

Detailing. (Changes and additions in red)

Practically no changes were made. The chief addition is the indication of spoil banks which lie on either side of the drainage canal crossing the sheet from east to west.

Roads have been labeled for drafting to conform to current specifications.

Comparison with Previous Topo. Survey 4282, 1:10,000, 1927
~~Comparison with Previous Hydro. Survey 4691, 1:10,000, 1927/8~~

In both cases a dock and several piling areas shown on the old maps are not compiled on the manuscript. There is no evidence on the photographs that they still exist. Apparently the field inspection did not cover the areas. T-5871 supersedes these older surveys over the common area.

Comparison with Charts 1255, 1:80,000 (1929/30)
473 1:40,000 (1930/40)

Shoreline on this manuscript extends from 26 36'+ to 26 38 3/4'±. The dock and four areas of piles shown on the charts do not appear on the manuscript. They are probably no longer there.

A stretch of fast land south of KID, 1943 on the manuscript (26 37 1/4'±) is not thus shown on the charts.

T-5871 was applied to chart 1255 prior to this review. No changes were made during this review which affect chart 1255.

Reviewed by:

Reviewed under direction of:

Lena T. Stevens
Lena T. Stevens
Photogrammetrist
Feb. 7, 1946

S. V. Griffith 7/16/47
S. V. Griffith
Chief, Review Section

APPROVED BY:

B. J. Gores 7/47
Technical Assistant to the
Chief, Div. of Photogrammetry

H. J. [unclear]
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Div. of Coastal
Surveys *KAC*