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 Hiver

Locality Fourmile Point

Nine lens photos: 11/12/42 Supplemented by ground survey 101943194 3

CHIEF OF PARTY

Lieut. Comdr. K. C. Crosby

LIBRARY & ARCHIVES

DATE July 29-1947

B-1870-1 (1

DATA RECORD

2- 5871

Quadrangle (II):

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

Field Office: Tampa, l'Iorida

Chief of Party: K. G. Crosby

Compilation Office: Tampa, Pla. Chief of Party: K. G. Crosby

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

Copy filed in Descriptive Report No. T-

Completed survey received in office: 10/19/43

Reported to Nautical Chart Section: 1/26/45

Reviewed: 2-7-44

Applied to chart No. /255 Date: 8-22-45

Redrafting Completed: 3/6/47

Registered: 7/47

Published: 5/20/47

Compilation Scale: 1:10,000

Published Scale: /:/0 000

Scale Factor (III): 1.00

Geographic Datum (III): A.A. 1927

Datum Plane (III): 0.68 ft. below mean sea level. Okeechobee Latum.

Reference Station (III): Fourmile 2, 1927

Lat.: 26°36'27":034(832.0) Long.: C1°54'44":342(1226.8) Adjusted m. Unadjusted

State Plane Coordinates (VI):

X = 528,650.22

Y = 526,476.62

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	<u>Date</u>	<u>Time</u>	Scale	Stage of Tide
11590	11/12/42	11:16 L.I.	1:10,000	+ 0.1'
11591	.	11:16 A.i	- 1	+ 0.1'
11592	₹7	11:17 A.L.	r,	+ 0.11

Tide from (III): Ft. Hyers, Caloosahatchee River (hef.Sta. Tampa bay)

Mean Range: 0.7 ft.

Spring Range: 0.9 ft.

Camera: (Kind or source) USC&GS 9 lens

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

date: 1943

Field Edit by: -

date:

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

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

" " checked by: B G date: "

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

Control checked by: O.M.Rivera, Sr.Photo.Aid date: R

Radial Plot by: Tarpa Office Personnel date: July 1913

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

Reviewed in compilation office by: J.m.Giles, Asst. date: 6ct. 1943

Photo.ingr.

Elevations on Field Edit Sheet checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Wiles): 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:

Reman numberals 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:

COMPTLATION REPORT TO ACCOMPANY SHELT NO. T-5871 Project 242-G

CONTROL

Triangulation station FOURILLE 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.

LAIN 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.

TARDLARKS AND AIDS TO NAVIGATION

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

LYDROGRAPHIC CCNTRCL

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 NALES

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

COMPARISON WITH EXISTING TOPOGRAPHIC LUADRANGLES

There were no topographic quadrangle maps available for a comparison.

GUI PARTSON WITTER MAURICAL CLARES

A visual comparison of the shoreline was made with Fautical 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 Emgineering Draftsman

Forwarded by:

Chief of Party

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NAUTICAL CHARTS BRANCH

SURVEY NO. 7-587/

Record of Application to Charts

DATE	CHART	T CARTOGRAPHER	REMARKS						
8/22/45	1255	map Hall	Before After Verification and Review						
7 Oct 47	473	Trichels	Before After Verification and Review						
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M-2168-1

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.

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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.

<u>Detailing</u>. (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 4691/1/10/090 2927/8

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:

Photogrammetrist

Feb. 7, 1946

S. V. Griffith

Chief, Review Section

APPROVED BY:

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

of Photogrammetry

Chief, Div. of Coastal MC Surveys