

28
3-11-D
5886

5886

Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

Type of Survey Topographic
Field No. _____ Office No. T-5886

LOCALITY
State Florida
General locality Caloosahatchee River
Locality Denaud
Date of Photos 12-21-39
1943
CHIEF OF PARTY
Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES
DATE Nov 9 - 1946

DATA RECORD

T- 5886

Quadrangle (II): Tampa, Fla.

Project No. (II): H.T. 242-D

Field Office:

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: *8-11-1943*
Received: 22 April HRB

Reported to Nautical Chart Section:

Reviewed: 22 April 1945 Applied to chart No.

Date:

Redrafting Completed: 7/9/46

Registered: 12/46

Published: *Not to be published*

Compilation Scale: 1:10,000

Printed
Published Scale: 1:10 000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Denaud 1937

Lat.: $26^{\circ}44'18.358''$ (565m) Long.: $81^{\circ}30'37.565''$ (1038. ^{1m} Adjusted
Unadjusted

State Plane Coordinates (VI): West Zone

X = 659, 783.33 Ft.

Y = 874, 361.25 Ft.

East Zone

x = 333, 405.23 Ft.

y = 874, 388.00 Ft.

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4409	12-21-39	10:54	1:10,000	+0.2
4410	12-21-39	10:54	1:10,000	"
4411	12-21-39	10:55	"	"
4412	12-21-39	10:55	"	"
4413	12-21-39	10:56	"	"

Tide from (III): Ft. Myers to Caloosahatchee River
Ref. Sta. Tampa Bay.
Mean Range: 0.7, Spring Range: 0.9

Camera: (Kind or source) U.S.C. & G. S. (9 lens)

Field Inspection by: H. A. Duffy, Prin. Photo Aid date: Jan-Feb. 1943

Field Edit by: date:

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

Projection and Grids ruled by (III) J.O.N. Wash. office date: 2-6-43

" " " checked by: Washington office date: 2-6-43

Control plotted by: K. G. Crosby, Chief of Party date: 2-16-43

Control checked by: E.M. Bower, Photo Aid date: 2-16-43

Radial Plot by: Tampa Office Personnel date: 2-24-43

Detailed by: E. E. Gray, Engineering Draftsman date: May-June-1943

Reviewed in compilation office by: J. A. Giles, Ass't Photo Engr. date: July 1943

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 17.4

Shoreline (More than 200 meters to opposite shore): 0

Shoreline (Less than 200 meters to opposite shore): 16.5

Number of Recoverable Topographic Stations established: 10

Number of Temporary Hydrographic Stations located by radial plot: None

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-5886
Project 242-D

Control

As station Denaud, U.S.E., 1937 was the only triangulation station within the limits of this sheet control cannot be considered adequate. Secondary points established by the Main Radial Plot were held to in cutting in additional radial points.

Main Radial Plot

Discussion of the main radial plot which includes this sheet has been made a part of the descriptive report for Sheet T-5888

Detailing

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

Field inspection was plentiful throughout the sheet.

All photographs were generally clear and of good scale. No difficulty was experienced in the interpretation of detail.

Supplemental Data

No supplemental data was available

Landmark & Aids to Navigation

No non-floating Aids to Navigation or landmarks appear on this sheet.

Hydrographic Control

There are no unmarked hydrographic stations within the limits of this sheet.

The following U. S. Engineer Stations are along the Caloosahatchee River and may be recovered for future hydrographic use. These traverse stations were computed on a local coordinate system from which geographic positions could not be obtained.

<u>Station</u>	<u>Date</u>	<u>Established by</u>
650+09.74	1935	U. S. Engineers
605+94.59	"	"
480	"	"
417+98.56	"	"
350+88.03	"	"
320	"	"
300	"	"

Also, Denaud Azimuth Mark, a Coast and Geodetic Survey mark, established in 1937 by R. A.E. can be used by the hydrographic party.

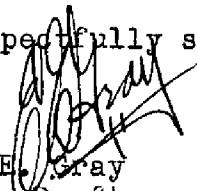
Comparison with Existing Topographic Quadrangles

There were no topographic quadrangle maps available for comparison.


Comparison with Nautical Charts

No nautical charts were available for comparison.

Respectfully submitted,


E. E. Gray
Eng. Draftsman

Forwarded by:


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

PLANT

- 1 - Pine
- 2 - Cypress
- 3 - Palm tree
- 4 - Palm
- 5 - Deciduous trees (broad leaf)
- 6 - Elms (orchard)
- 7 - Elm, cypress & Dec. trees (density)
- 8 - Lustered
- 9 - Tightly wooded
- 10 - Loosely wooded
- 11 - Marsh trees

WATER

- 12 - Subtropical
- 13 - Grass
- 14 - Hill Tropical Grass
- 15 - Marsh (dashed blue line on inshore limits)
- 16 - Marsh (dashed blue line on offshore limits)
- 17 - Swamp
- 18 - Mangrove
- 19 - Lake

ROADS

- 20 - Canal (water)
- 21 - Creek
- 22 - Road (width)
- 23 - Intersecting roads
- 24 - Possible drainage unmarked
- 25 - Edge of symbol
- 26 - Dotted
- 27 - Road
- 28 - Local telephone survey
- 29 - U.S. telephone survey
- 30 - U.S. biological survey

GENERAL TERMS

- 31 - 100' class road (curved)
- 32 - 200' class road
- 33 - 400' class
- 34 - 800' class
- 35 - 1600' class (note the kind)
- 36 - 3200' class (note the kind)
- 37 - 6400' class (note the kind)
- 38 - 12800' class (note the kind)
- 39 - 25600' class (note the kind)

PLANT

- 40 - Palm
- 41 - Cypress
- 42 - Intersecting road
- 43 - Deciduous trees (broad leaf)
- 44 - Elms (orchard)
- 45 - Elm, cypress & Dec. trees (note the kind)
- 46 - Lustered
- 47 - Tightly wooded
- 48 - Loosely wooded
- 49 - Marsh trees
- 50 - Hill
- 51 - Subtropical
- 52 - Grass
- 53 - Hill Tropical Grass
- 54 - Marsh (dashed blue line on inshore limits)
- 55 - Marsh (dashed blue line on offshore limits)
- 56 - Swamp
- 57 - Mangrove
- 58 - Lake
- 59 - Canal (water)
- 60 - Creek
- 61 - Road (width)
- 62 - Intersecting roads
- 63 - Possible drainage unmarked
- 64 - Edge of symbol
- 65 - Dotted
- 66 - Road
- 67 - Local telephone survey
- 68 - U.S. telephone survey
- 69 - U.S. biological survey

GENERAL TERMS

- 70 - house, part of building
- 71 - Church (note kind)
- 72 - Courthouse (note kind)
- 73 - Post Office
- 74 - Railroad station (note kind)
- 75 - Hospital (note kind)
- 76 - School (note kind)

GENERAL TERMS

- 77 - Fence
- 78 - Ice yard (note kind)
- 79 - Fire road (note kind)
- 80 - Cemetery
- 81 - Field (note kind)
- 82 - Approx. 1/2 mile by 1/2 mile, drawn
- 83 - Note for use in, adjacent to
- 84 - Note for use in, adjacent to
- 85 - Note for use in, adjacent to
- 86 - Note for use in, adjacent to
- 87 - Note for use in, adjacent to
- 88 - Note for use in, adjacent to
- 89 - Note for use in, adjacent to
- 90 - Note for use in, adjacent to

	Remarks	Decisions
1		USGB
2		267814
3		"
4		"
5		"
6		"
7		267815
8		"
9		"
10		"
11		
12		
13		Road Maps
14	Nos. 357 and 454 are not shown on 1941 Official State Road Map and should be checked on county road map	
15		
16		Railway Guide
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-5886

Name on Survey	Source									
	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		
Caloosahatchee River ✓	✓									1
Pollywog Creek ✓	✓									2
Dean Gully ✓	✓									3
Bee Branch ✓	✓									4
Hilliard Creek Gully ✓	✓									5
Deadman Branch ✓	✓									6
Denaud ✓	✓									7
Jack Creek Branch ✓	✓									8
Banana Branch ✓	✓									9
Fort Simmons Branch ✓	✓									10
Gleades County										11
Hendry County										12
State Highway No. 25 ✓										13
" No. 357 ✓										14
" No. 454 ✓										15
Seaboard Air Line Railway										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

L Heck 2/18/43

Division of Photogrammetry
Review of Shoreline Survey T-5886

Radial Plot:

The radial plot for the planimetric maps T-5883 to T-5889 inclusive, along the Caloosahatchie Canal west of Lake Okeechobee to the northeasterly limits of Fort Myers, Florida, was laid on adequate control at the easterly and westerly extremities, but lacked a sufficient number of control stations between the fixed aids. This radial plot spanned a distance of approximately forty miles tied to only eleven stations between the fixed ends, the stations spaced at intervals of approximately four and one-half miles.

The USED had run a traverse along the canal and with the existing eleven USC&GS stations in the area, Lt. Comdr. Crosby had hoped to have adequate control upon which to lay a well controlled plot. The USED stations were identified on the field inspection photographs and the plane coordinate positions of the stations were obtained from the USED at Jacksonville, Florida. Attempts were made to convert the positions of these stations to geographic values so that they could be plotted on the map bases and used to control the aerial photographs.

However, after spending considerable time attempting to convert the values to geographic coordinates, Lt. Comdr. Crosby concluded that the values could not be obtained in time to complete the radial plot and compilation on schedule and ordered the plot laid on the USC&GS stations.

The radial plot and resulting compilations were reviewed in the Washington office where it was found that the accuracy of the work did not meet with map specifications. Accumulating errors in azimuth and distance amounting to 2 to 3 millimeters probably exist in these sheets, but relative local errors are negligible.

Investigation of the USED traverse along the Caloosahatchie Canal leads to the conclusion that even though this control might be found to be adequate for map control, the effort of obtaining the necessary information from the USED, computing and possibly affecting additional ties to USC&GS stations, replotting the aerial photographs and recompiling or revising the compiled sheets would not be practical nor would it materially improve the nautical charts prepared from these sheets.

The basic map data of these sheets have been used in the preparation of nautical chart 1289. The scale of these compiled sheets is 1:10,000 and the nautical chart 1:80,000. Because of the great reduction in scale between the base maps and the compiled nautical chart, the latter is probably sufficiently accurate.

Therefore, the sheets T-5883 to T-5889 inclusive will be treated as shoreline sheets only. They are not to be published for distribution, but will be drafted and printed for Bureau use exclusively with the possible exception of T-5883, which after the review is completed may be found to meet current map specifications.

Field Inspection and Detailing:

Field inspection was adequate and the detailing complete. Only very minor changes were made in the manuscript during review.

Comparison with Previous Surveys:

None

Comparison with Nautical Charts:

T-5886 was applied to Chart 1289 prior to this review. No changes made during the review are of consequence to the chart.

S. V. Griffith

Reviewed under the direction of S. V. Griffith.

APPROVED:

B. G. Jones

B. G. Jones, Technical Asst.
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Division of Charts

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