

5869

Diag'd. on diag ch. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Map

Field No. Office No. T-5869

LOCALITY

State Florida

General locality Matlacha Pass

Locality Masters Landing & Vicinity

Photos, nine-lens, 11/12/42

194 3

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE Aug 8 - 1947

B-1870-1 (1)

5869

DATA RECORD

T- 5869

Quadrangle (II):

Project No. (II) H.T.242-G

Field Office: Tampa, Fla. Chief of Party: K. G. Crosby

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

Instructions dated (II III): Apr. 3, 1940 Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 12/24/43

Reported to Nautical Chart Section: 1/26/45

Reviewed: 11/1/45 Applied to chart No. 1255 Date: 8-22-45

Redrafting Completed: 3/21/47

Registered: 7/4/47 Published: —

Compilation Scale: 1:10,000 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): Jewfish, 1927, 1934

Lat.: 26°31'43.292" (1332.3m) Long.: 82°01' 01.876" (51.9m) Adjusted
Unadjusted

State Plane Coordinates (VI):

X = 494,380.08

Y = 797,819.55

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11605	11/12/42	11:28	1:10,000	.2 ft.
11606	"	11:29	"	.2 ft.
11602	"	11:26	"	.2 ft.
11601	"	11:25	"	.2 ft.
11618	"	11:37	"	.1 ft.
11589	"	11:15	"	.2 ft.
11588	"	11:14	"	.2 ft.
11587	"	11:14	"	.2 ft.

Tide from (III): Punta Rasa, San Carlos Bay

Mean Range: 1.7'

Spring Range: 2.3'

Camera: (Kind or source) U. S. C. & G. S. (9 lens (8 $\frac{1}{2}$ " focal length)

Field Inspection by: H. A. Duffy

date: Apr. 1943

Field Edit by:

date:

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

Projection and Grids ruled by (III) Washington Office

date: 5/21/43

" " " checked by: Washington Office date: "

Control plotted by: R. Dossett, Prin. Photo. Aid

date: 7/14/43

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

date: "

Radial Plot by: Tampa Office Personnel

date: 7/43

Detailed by: J. Collins, Photo. Aid

date: 11/10/43
12/16/43

Reviewed in compilation office by: F.H. Elrod, Prin. Photo. Aid date: Dec. 1943

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 32.398

Shoreline (More than 200 meters to opposite shore): 19.68

Shoreline (Less than 200 meters to opposite shore): 20.25

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: 130

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:

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET-T-5869

CONTROL

There are no triangulation stations within the limits of this sheet. Points located by radial plot were held in locating additional radial point and satisfactory results were obtained.

RADIAL PLOT

For a description of the radial plot reference is made to sheet No. T-5872, which is a part of this project.

In addition to the radial plot the following work was done by the draftsman, templates were made for all photographs using the Distortion Correction Template. By this method chamber junction lines were transferred to the survey sheet. The chamber junction lines were held in locating extra radials with which satisfactory results were obtained.

DETAILING

The photographs used in detailing this sheet were generally clear and the scale was fair.

The radial points in the approximate Lat. $26^{\circ}32'$ and Longitude $82^{\circ}02'$ to $82^{\circ}04'$ were not located entirely satisfactorily due to distortion and bad chamber junctions of all photographs in this area, with the exception of Photograph No. 11602, which was fair.

SUPPLEMENTAL DATA

No graphic control surveys or maps and plans were used to supplement photographs in the detailing of this sheet.

HYDROGRAPHIC CONTROL

There are 5 marked stations within the limits of this sheet located by radial plot these are:

HAN,	1943
BUS,	1943
FEE,	1943
MOO,	1943
ELI,	1943

There are 129 unmarked stations appearing on this sheet for future use by the hydrographic party. A short description

appears by each of these on the compilation.

LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks or aids to Navigation within the limits of this sheet.

GEOGRAPHIC NAMES

Reference is made to a special report to supplement name sheets Nos. 25-31, Caloosahatchee River. San Carlos Bay, Pine Island Sound, and Mathacha Pass, submitted May 31, 1943, by H. A. Duffy, Prin. Photo. Aid. The Geographic Names mentioned in this report were used. 814✓

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no Topographic Quadrangles available in this office for comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Nautical Chart No. 1255, U.S.C. & G.S. published in 1929. An accurate comparison could not be made due to Scale difference. The Nautical Chart is 1:80,000 scale. There are certain differences that were noted.

The Nautical Chart shows Little Pine Island covered with mangrove, while there are now Pine and Palm over a large part of the inshore area.

The northern group of Islands in the Deer Stop Keys are now covered with mangrove, whereas, they are shown on the chart as bare at mean low water.

The shoreline is in general agreement except for minor changes in the course of some streams, which is probably due to high water and mangroves.

Respectfully submitted,

Jim Collins, Photo. Aid.

Jim Collins

Forwarded by:
Kenneth G. Grosby
Kenneth G. Grosby
Chief of Party....

FUNDING

P - Pond
 Cy - Cypress Pond
 I - Intermittent Pond

[illegible]

- 0 - Cultivation
- 07 - Grass
- 1 - Tall Tropical Grass
- 12 - Marsh (dashed blue line on inshore limits)
- 13 - Marsh grass in water (dashed blue line on offshore limits)
- 14 - Swamp
- 15 - Mangrove
- 16 - Marsh

Ho.H.L. = Mean high waterline (solid red line - East Line)
Lo.H.L. = Low waterline (dashed red line)
E.L. = Light line (solid blue line for mean high water line on March)
Dk. = Dock
Pr = Pier
Se W = Seawall
Bkhd = Bulkhead
Cone = Concrete
W. = Wooden
Jet = Jetty
Dol = Dolphin
Pile = Pile (give type)
Grd = Gravel
Lnd = Land
Rk = Rock or Rocky
Sty = Stony
W = Water
Blf = Bluff (height)

SUI-FI-G

- Ca - Canal (width)
- Cr - Creek
- E - Eiche (width)
- I - Interfluvial stream
- DD - Probable drainage undrained
- SG - Stage or symbol
- Sv - Sulvert
- Ty - Towed
- FL - Florida Fathometric Survey
- U - U.S. Hydrographic
- USGS - U.S. Biological Survey

H - House, barn or building
 Ch - Church (give name)
 Ct H - Court House (give name)
 Po H - Post Office
 P.O. - Post Office (give name)
 RR Sta - Railroad station (give name)
 Hos - Hospital (give name)
 Sch - School (give name)

WILLIAMS

SA 1 - 1st class road (paved)
 SA 2 - 2nd class road
 R - Trail
 RA - Subroad
 O 1 - Overpass (state the kind)
 O 2 - Underpass (state the kind)
 X - Abandoned trail, road, etc.
 R at - A.L. Abandoned (road only)

1153-121-5000

- # - Tange
- HR - Wire mesh (not painted)
- QZ - Wire mesh (painted)
- W - Denatured
- Pink - Pink (give name)
- Cheal - Spunbond filter by long dashed line for (see by hydrographer)
- S.F. - Fire tower
- T.R. - Transmission tower (cell stand)
- D.L. - Silver line

GEOGRAPHIC NAMES

Survey No.

T-5869

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

Florida

USGB

1

Mathaha Pass

2

Pine Island

3

Little Pine Island

4

Redfish Cove

5

Glover Right

6

Oyster Creek

7

Punta Blanca Bays

8

Reckens Point

9

Underhill Creek

10

Underhill Point

11

Deer Stop Keys

12

The Deer Stop

13

McCardle Island

14

The Mud Hole

15

Rock Creek

16

Pine Island Creek

17

Masters Landing

18

Hell Gate

19

20

State 183

21

Names underlined in red approved

by L. Heck on 2/11/47

22

23

24

25

26

27

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5869

Record of Application to Charts

[illegible]

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.

Division of Photogrammetry

Review of Planimetric Map T-5869

Radial Plot. (See Descriptive Report T-5872)

Except in the extreme NW corner and the middle part of the southern border, cuts were adequate. (See "Control" below.)

Control.

No triangulation stations fell within the borders of this map. Triangulation station Jewfish (1927, 1943) lies just south (in T-5867) and is listed as the "Reference Station."

Detailing. (Revisions and additions in red)

The compiler utilized field inspection data well, therefore the reviewer made few alterations.

In the inland "S, mud, & sct. mg" areas which flood at high water, the reviewer put in a considerable amount of detail in order to bring out characteristics peculiar to these strips.

Comparison with Previous Topographic Surveys.

T-5869 supersedes T-1048, 1:20,000, 1866, over the common area.

Comparison with Nautical Charts.

T-5869 was applied to chart 1255 prior to this review, but apparently has not been applied to chart 473. Minor corrections made to the manuscript during review are shown in red but do not affect chart 1255.

The manuscript shows many small changes to be applied to the topographic information on chart-473.

Reviewed by:

Reviewed under direction of:

Lena T. Stevens
Lena T. Stevens
Photogrammetrist
Nov. 1, 1945

S. V. Griffith 7/17/47
S. V. Griffith
Chief, Review Section

APPROVED BY:

B. J. Jones 7/47
Technical Assistant to the
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