

5873

Diag. on Diag. Ch. 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-5873

LOCALITY

State Florida

General locality Northwest of Ft. Myers

Locality Matlacha Pass

Date of photos: Nov. 12, 1942
1944

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE April 5 - 1949

B-1870-1 (1)

5873

DATA RECORD

T- 5873

Quadrangle (II):

Project No. (II): H.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):
Apr. 3, 1940Copy filed in ^{Division of} Descriptive
~~Report No. T-~~ (VI)*Photogrammetry Office Files*

Completed survey received in office: 29 Jan 1944

Reported to Nautical Chart Section:

Reviewed: 12 Oct. 1945 Applied to chart No. ⁴⁷³ 1255 Date: 7 Oct. 1947 (Partial)
22 Aug 1945

Redrafting Completed: 3 Mar. 1947

Registered: ^{April 1949} ~~27 May 1948~~

Published: May, 1947

Compilation Scale: 1:10,000

Published Scale: 1:10000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.
H. H.

Reference Station (III): *GUM, 1943 (H&T)

Lat.:

Long.:

26°37' (1814m)

82° 04' (77.0m)

~~Adjusted~~
Unadjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

** Less than 3rd order accuracy. Position determined by photo plot.*

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11614	11-12-42	11:34	1:10,000	-0.6 ft.
11615	"	11:35	"	-0.6 ft.
11616	"	11:36	"	-0.6 ft.
11617	"	11:36	"	-0.6 ft.
11600	"	11:25	"	-0.6 ft.

● Tide from (III): Mean of Punta Rosa Ref. Sta. Tampa Bay

Mean Range: 1.5 ft. Punta Gorda Spring Range: 2.1 ft.

Camera: (Kind or source) U. S. C. & G. S. 9 lens (8 $\frac{1}{4}$ " focal length)

Field Inspection by: H. A. Duffy

date: Oct. Nov. 1942

Field Edit by:

date:

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

● Projection and Grids ruled by (III) Washington Off. date: May 21, 1943

" " " checked by: " date: " "

Control plotted by: No control

date:

Control checked by:

date:

Radial Plot by: Tampa Office Personnel

date: Aug. & Dec. 1943

Detailed by: R. Dossett, Prin. Photo. Aid

date: Dec. 1943

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

date: Jan. 18, 1944

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 19.7

Shoreline (More than 200 meters to opposite shore): 24.3

Shoreline (Less than 200 meters to opposite shore): 26.2

Number of Recoverable Topographic Stations established: 7

Number of Temporary Hydrographic Stations located by radial plot: 82

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:

10.5

- ti - fine
- ty - Cypress
- kalo - Rainforest
- kala - palm
- u - Delicious trees (mango leaf)
- oti - Citrus (orange)
- io - Pine, cypress & Dec. trees (divinity)
- eto - scattered
- to - thickly wooded
- ave - lowly wooded
- ve - open trees

SECRET

- 1. Cultivation
- 2. Grass
- 3. Tall Tropical Grass
- 4. Grass (dashed blue line on
shore line)
- 5. Grass in water (dashed
blue line on offshore limits)
- 6. Improve

112

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DESCRIPTIVE REPORT
To Accompany
SHEET NO. T- 5873

CONTROL

No Triangulation appears on this sheet.

This sheet is the northernmost sheet of one radial plot and all points, including additional radial points, were established by bringing forward the secondary control of the main radial plot, of which this sheet is a part, and that of the plot to the North. This gave a good agreement of junction between the two plots and even though it is not controlled by any triangulation it is believed that all detail is within the allowable error.

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-5879 and T-5872.

DETAILING

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

Field notes were adequate.

Photographs 11517 and 11515 were of the best scale. Photograph 11516 showed considerable tilt and was used for detailing near its center only. All other photographs were of reasonably good scale and sufficiently clear for use.

The vegetation along the shoreline consists principally of mangrove and no difficulty was encountered in its interpretation. The vegetation and detail, however, along the close inshore areas was difficult to interpret clearly. By use of the field notes and the stereoscope the draftsman has endeavored to outline and label these areas as they are pictured by the photographs and descriptive field notes. Little Pine Island appears to be undergoing a "building up" process as the photographs show a distinctive series of berm rings extending from the mangrove vegetated shoreline toward the center of the island.

Matlacha Pass is generally shoaled up particularly in the northern part, except for a channel visible on the photographs and which is shown on the map drawing by the draftsman.

The branch of Florida State Highway No. 183 extending Northward and onto Sheet T-5874 is in poor condition with most of the bridges out. This has been considered as of a temporary nature by the draftsman and the 2nd class roads

shown by the Field inspector at the bridge washout points have been labeled "Temporary Detours".

Since there is no triangulation station within the limits of this sheet, the hydrographic Station "Gum, 1943" has been used as a reference station. ✓

SUPPLEMENTAL DATA

No supplemental data was available.

LANDMARKS AND AIDS TO NAVIGATION

No non floating aid appear on this sheet.

HYDROGRAPHIC CONTROL

Eighty two unmarked stations bearing a short description appear within the tracing limits of this sheet. The field inspector has indicated more, however, they were considered excessive and accordingly have been ignored.

The following marked hydrographic stations also appear:

<u>STATION</u>	<u>DATE</u>	<u>ESTABLISHED BY</u>
AIR ✓	1943	K. G. Crosby
BOX "	"	"
GUM ✓	"	"
JAY ✓	"	"
GOO -	"	"
FIB -	"	"
OIL ✓	"	"

524 cards for above stations filed in Div. of Photogrammetry - General Files.

GEOGRAPHIC NAMES

A report on Geographic names covering the area Caloosahatchee River, San Carlos Bay, Pine Island & Matlacha Pass, was submitted to the Washington office by Harold A. Duffy, Principal Photo. Aid., May 1st, 1943. 814 ✓

COMPARISON WITH EXISTING TOPOGRAPHIC MAPS

There were no topographic maps available for a comparison.

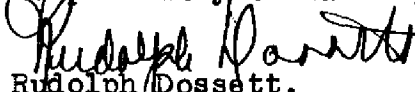
COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. C. & G. S. Nautical Chart No. 1255. The following discrepancy was noted:

The Pine Island Bridge for Florida State Highway 183 across Matlacha Pass, nor the highway itself appear on the above mentioned chart. This highway and bridge have been constructed since the chart was edited.

The scale difference was too great for a thorough comparison of the rest of the sheet, but no large disagreements were noted in the detail along the shoreline. The inshore areas are not covered on the Nautical Chart.

Respectfully submitted,


Rudolph Dossett,
Prin. Photo. Aid.

Forwarded by:


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

GEOGRAPHIC NAMES

Survey No. T-5873

GEOGRAPHIC NAMES											
Survey No. T-5873											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
<u>Florida</u>									USGB	1	
<u>Matlacha Pass</u>										2	
<u>Little Pine Island</u>										3	
<u>State No. 183</u>										4	
										5	
<u>Pontoon Bay</u>										6	
<u>Tom Black Lake</u>										7	
<u>Porpoise Point</u>										8	
<u>Porpoise Point Island</u>										9	
<u>Pine Island Bridge</u>										10	
<u>Silver Key</u>										11	
<u>Buzzard Bay</u>										12	
<u>Thirsting Lake</u>										13	
<u>Cypress Lake</u>										14	
<u>Big Dead Creek</u>										15	
<u>Sand Creek</u>										16	
<u>Gator Slough</u>										17	
<u>Bear Key</u>										18	
<u>Big Sandy</u>										19	
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										M 234	

Names underlined in red approved

by L. Heck on 2/4/47

Review Report
Planimetric Map Manuscript T-5873

Radial Plot

The radial plot is within the required standard of accuracy. The method of establishing the radial plot points in the area of the map manuscript is briefly described in the first paragraph of the Descriptive Report under Control.

Comparison with Previous Surveys

T-739 1/20,000 1859

Only a general agreement of outline exists between the two maps.

T-5873 supersedes the old survey in common area for common detail.

Comparison with Nautical Charts

1255 1/80,000 1929

From a test comparison of several points on the manuscript and the chart, it appears that all land lies farther east on the chart than on the manuscript. This is particularly true of the highway extending north-south through Pine Island (T-5864). In addition, the branch of the highway over Little Pine Island and Matlacha Pass lies nearly 1/6 mile farther north on the manuscript than on the chart. The Nautical Chart Branch was notified concerning these differences.

The manuscript contains many additional details of shoal, coastline and culture.

T-5873 had ~~not~~ been applied to chart¹²⁵⁵ at the time of this review.

Reviewed by:

Under the direction of:

Lena T. Stevens
Lena T. Stevens 12 October 1945

R. M. Berry
R. M. Berry, Chief R.N.M.
Review Section

Approved by:

B. J. Jones 3/49
Technical Assistant to the Chief,
Division of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5873

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.