

5863

Diag'd. on Diag. Ch. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey AIR PHOTO COMPI LATION

Field No. H.T.-242-G Office No. T-5863

LOCALITY

State Florida

General locality North Captiva Island & Vicinity

Locality Pine Island Sound

194 3.

CHIEF OF PARTY

K.G.Crosby

LIBRARY & ARCHIVES

DATE Nine Lens Photos - 11-10-42, 12-14-39

5863

DATA RECORD

T- 5863

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): 4/3/40

Copy filed in *Division of*
~~Descriptive~~
Report No. T- (VI)
Photogrammetry Office Files

Completed survey received in office: 20 Dec. 1943

Reported to Nautical Chart Section:

Reviewed: 29 May 1943

Applied to chart No. 1355

Date: 8/22/45

Redrafting Completed: 24 Feb. 1947

Registered: *March 1949*
~~22 May 1948~~

Published: June, 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. M.

Reference Station (III): Ridge 1934

Lat.: 26°36'01.078" (33.2m) Long.: 82°12'54.402" (1505.2m) ~~Adjusted~~
~~Unadjusted~~

State Plane Coordinates (VI):

X = 429,708.09

Y = 823,905.25 West Zone

Military Grid Zone (VI) •

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11528	11/10/42	10:35	1:10,000	+0.1
11529	"	10:36	"	+0.1
11530	"	10:37	"	+0.1
11531	"	10:38	"	+0.1
11532	"	10:40	"	+0.1
4327	12/14/39	1:42	"	+0.6

Tide from (III): South Boca Grande, Charlotte Harbor (Ref-Tampa Bay)

Mean Range: 1.0'

Spring Range: 1.3'

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

Field Inspection by: H. A. Duffy-Prin.Photo.Aid date: 1943 March
L.C. Bonham, Jr. Photo.Engr.

Field Edit by: date:

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

Projection and Grids ruled by (III) J.O.W. -Wash.off. date: 5/21/43

" " " checked by: " " date: "

Control plotted by: R. Dossett-Prin.Photo. Aid date: 7/13/43

Control checked by: O. M. Rivera- Sr. Photo Aid date: 7/14/43

Radial Plot by: Tampa Office Personnel date: Aug. 1943

Detailed by: Ben O. Bryant, Sr. Photo. Aid date: Nov-Dec. 1943

Reviewed in compilation office by: F.H.Elrod, Prin. Photo. Aid date: Dec. 1943
J.A.Giles Asst. Photo Engr.

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 2.5

Shoreline (More than 200 meters to opposite shore): 30.2

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

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: 46

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:

Sheet T-5863

Three triangulation stations appear on this Sheet. They are too near the flight line to insure adequate control. Only one flight of photographs cover this sheet ^{so that} when the cuts were made on radial points they were very flat, and could not be pricked accurately. Also the Chambers on photographs were badly matched due to the water area that these photographs covered. The land area in this sheet consists of long, narrow islands, which the flight line followed and very few points could be identified on the wings to keep the photographs from sliding up or down the flight line. The shoreline has been changing very rapidly in the area and it is believed that it is controlled well enough under these changing conditions.

Nellie 1860

Mellie, 1860
Captiva Pass 1909
Ridge 1934

The discussion of the radial plot which includes this sheet has been made a part of descriptive report for Sheet T-5872

The photographs used in detailing this sheet were generally clear and the scale was found to be reasonably good. Field inspection was very good. The area consists of mangrove swamps along the Pine Island Sound side of the islands, palm, deciduous trees and brush, inland, and a sandy beach on the Gulf of Mexico side. There are only a few buildings, mostly fishing shacks, and no roads of any importance. It is believed, therefore, that the detailing has been accomplished within the limits of allowable error.

There ~~was~~^{were} no supplemental data available of the area covered by this sheet.

There are no uncharted landmarks on this sheet and the aids to navigation, which should be charted are listed on Form 567, which is made a part of this report. *all set*

a part of this report. *cht. lat*
no. 866 (1943)

Pine Is. Sound Lt No 28
" " " Br " 24
" " " Lt " 25
" " " Br " 29

HYDROGRAPHIC CONTROL

Fourty-Six unmarked hydrographic stations, bearing a short description, appear on this sheet. The following marked hydrographic stations appear on this sheet and can be recovered by the hydrographic party.

Station	Date	Est. by
PAL	1943	K.G. Crosby
BIT	"	"
POP	"	"

GEOGRAPHIC NAMES

A special report on Geographic Names under the title, Florida West Coast, Caloosahatchee River, San Carlos Bay, Pine Island Sound, and Mattacha Pass, was submitted by Harold A. Duffy, Prin. Photo. Aid to Washington office May 31, 1943. 814 ✓

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no topographic quadrangles of this area available for comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C. & G.S. Chart # 1255. Due to large scale differences there was only a visual comparison made, but there was not any noticeable discrepancies to be found between this Chart and Sheet T-5863.

Respectfully submitted,

Ben O. Bryant

Ben O. Bryant, Sr. Photogrammetric Aid

Forwarded by:

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

PLANT

11 - Pine
 12 - Cypress
 13 - Palm tree
 14 - Palm
 15 - Deciduous trees (hard leaf)
 16 - Lianas (orchards)
 17 - Pine, cypress & Dec. trees
 18 - (Density)
 19 - Centered
 20 - Mainly wooded
 21 - Heavily wooded
 22 - Scrub trees

PLANTATION

23 - Cultivation
 24 - Grass
 25 - Tall Tropical trees
 26 - Lined (dashed blue line on
 27 - Inshore limits)
 28 - Lined green in water (dashed
 29 - Blue line on offshore limits)
 30 - Swamp
 31 - Mangrove
 32 - Ledge

PLANTATION

33 - Canal (ditch)
 34 - Creek
 35 - Marsh (ditch)
 36 - Intersecting streams
 37 - Neolithic boundaries unurveyed
 38 - Ridge or symbol
 39 - Culvert
 40 - Overpass
 41 - Bridge to water tower
 42 - 100 ft. bridge
 43 - 100 ft. bridge

PLANTATION

44 - 100 ft. road (dashed)
 45 - 200 ft. road
 46 - Trail
 47 - Highway
 48 - Overpass (over the line)
 49 - Underpass (under the line)
 50 - Bordered trail, road, etc.
 51 - Bordered road (grade only)

PLANT

52 - Pine
 53 - Cypress
 54 - Palm tree
 55 - Palm

PLANTATION

56 - Deciduous trees (hard leaf)
 57 - Lianas (orchards)
 58 - Pine, cypress & Dec. trees
 59 - (Density)
 60 - Centered
 61 - Mainly wooded
 62 - Heavily wooded
 63 - Scrub trees
 64 - Cultivation
 65 - Grass
 66 - Tall Tropical trees
 67 - Lined (dashed blue line on
 68 - Inshore limits)
 69 - Lined green in water (dashed
 70 - Blue line on offshore limits)
 71 - Swamp
 72 - Mangrove
 73 - Ledge
 74 - Canal (ditch)
 75 - Creek
 76 - Marsh (ditch)
 77 - Intersecting streams
 78 - Neolithic boundaries unurveyed
 79 - Ridge or symbol
 80 - Culvert
 81 - Overpass
 82 - Bridge to water tower
 83 - 100 ft. bridge
 84 - 100 ft. bridge

PLANTATION

85 - 100 ft. road (dashed)
 86 - 200 ft. road
 87 - Trail
 88 - Highway
 89 - Overpass (over the line)
 90 - Underpass (under the line)
 91 - Bordered trail, road, etc.
 92 - Bordered road (grade only)

PLANTATION

93 - 100 ft. road (dashed)
 94 - 200 ft. road
 95 - Trail
 96 - Highway
 97 - Overpass (over the line)
 98 - Underpass (under the line)
 99 - Bordered trail, road, etc.
 100 - Bordered road (grade only)

GEOGRAPHIC NAMES

Survey No. T/5863

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Florida</u>									USGB	1
	<u>Gulf of Mexico</u>										2
	<u>Pine Island Sound</u>										3
	<u>Iacosta Island</u>									USGB	4
	<u>Murdock Point</u>										5
	<u>Murdock Bay</u> <u>Murdock Shoal</u>										6
	<u>The Narrows</u>										7
	<u>North Banks</u>										8
	<u>Narrows Cove</u>										9
	<u>Narrows Key</u>										10
	<u>Foulkner Mound</u>										11
	<u>Pejuan Point</u>										12
	<u>Pejuan Cove</u>										13
	<u>Captiva Pass</u>										14
	<u>North Captiva Island</u>										15
	<u>Safety Harbor</u>										16
	<u>Foster Point</u>										17
	<u>Foster Bay</u>										18
	<u>South Banks</u>										19
	<u>Redfish Pass</u>										20
	<u>Captiva Island</u>										21
	<u>Chadwick Lake</u>										22
	<u>Pine Island Bulkhead</u>										23
	<u>Big Bird Rookery</u>										24
	<u>Tripod Rocks</u>										25
	<u>Rocky Channel</u>										26
	<u>Captiva Rocks</u>										27

GEOGRAPHIC NAMES

Survey No.

T-5863

2	Name on Survey	On Chart	On previous survey	On U. S. quadrangle	From local	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		No.	No.	Maps	information					
	<u>Orange Pass</u>									1
	<u>Part Island</u>									2
	<u>Coon Key</u>									3
	<u>Useppa Oyster Bar</u>									4
										5
										6
										7
										8
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										27

Names underlined in red spaced
by L. Hecht on 12/31/46

Review Report
Planimetric Map Manuscript T-5863

Radial Plot

The radial plot was checked during review and radial plot points and detail points were within the limits of required accuracy.

Detailing

A few corrections and additions to roads, shoreline and vegetation are shown in red ink on the map manuscript.

Land marks and Aids to Navigation

There are two beacons and two lights to be charted as aids to navigation. They are listed on Form 567, Chart Letter 866-1943.

Comparison with Previous Surveys

T-739 1:20,000 1859

T-5863 supersedes T-739 in common areas for common detail.

There are no graphic control surveys and no contemporary hydrographic surveys in the area of T-5863.

Comparison with Nautical Charts

Chart 1255 1:80,000 1943

The map manuscript has not been applied to charts as of the date of this review.

Reviewed by:

W. W. St. John
W. W. St. John 5-29-45 *K.H.*

Inspected by:

D. H. Benson
D. H. Benson *K.H.*

APPROVED BY:

B. G. Jones
Technical Assistant to Chief
Division of Photogrammetry
~~Chief, Division of Photogrammetry~~

K. T. Adams
Chief, ~~Division of Photogrammetry~~
Div. of Photogrammetry

H. C. Edmonson
Chief, ~~Division of Nautical~~
Chart Branch

C. T. Green
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5863

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.