

5868

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. Compilation

Field No. _____ Office No. T-5868

LOCALITY

State Florida

General locality Caloosahatchee River

Locality Punta Rasa

Aerial lens: 12/13/39: 7/1/42

194 3

CHIEF OF PARTY

Lieut. Comdr. K. G. Crosby

LIBRARY & ARCHIVES

DATE

Aug 8-1947

5868

DATA RECORD

T 5868

Quadrangle (II):

Project No. (II): T.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 Descriptive
Report No. T- (VI)

Completed survey received in office:

12/20/43

Reported to Nautical Chart Section:

1/26/45

Reviewed: 25 Oct. 1945

Applied to chart No. 1255

Date: 8-22-45

Redrafting Completed: -

Registered:

7/47

Published:

6/30/47

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.00

Geographic Datum (III): M.A. 1927

Datum Plane (III): 0.88 ft.

Below L.S.L. Okachobee datum

Reference Station (III): TOI 1927

Lat.: 26°30'52.17" (1605.5m)

Long.: 81°59'20.15" (557.9m) Adjusted
Unadjusted

State Plane Coordinates (VI):

X = 503,620.

Y = 792,658.

[Hix, 1928 on the same map has X & Y 2 dec. places
X = 510,000.27 Y = 778,687.82

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11576	11/12/42	11:06	1:10,000	0.5 ft.
11575	"	11:06	"	"
11574	"	11:05	"	"
4248	12/13/39	11:05	"	0.3 ft.
4249	"	11:06	"	"
4250	"	11:07	"	"

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

Mean Range: 1.7

Spring Range: 2.3

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
L. C. Bonham-Jr. Photo Engr.

Field Edit by: date:

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

Projection and Grids ruled by (III) J.O.H. Wash. Office date: 5/21/43

" " " checked by: " " date: "

Control plotted by: O. M. Rivera, Sr. Photo Aid date: 7/12/43

Control checked by: R. Dossett, Prin. Photo Aid date: 7/13/43

Radial Plot by: Tampa Office Personnel date: July 1943

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

Reviewed in compilation office by: Frank H. Elrod date: Nov. 1943

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 17.6

Shoreline (More than 200 meters to opposite shore): 19.3

Shoreline (Less than 200 meters to opposite shore): 14.1

Number of Recoverable Topographic Stations established: 20

Number of Temporary Hydrographic Stations located by radial plot: 73

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
SHLET-T-5868

CONTROL

Fifteen triangulation stations appear within the tracing limits of this sheet. All stations were held to in the main Radial Plot.

MAIN RADIAL PLOT

The discussion of the radial plot which included this sheet has been made a part of descriptive report of Sheet T-5972.

DETAILING

The photographs used in detailing this sheet were generally clear, and the scale of these photographs was found to be reasonably good. The largest discrepancy was found to be in the matching of chamber lines. The field inspection notes were plentiful throughout the sheet. Due to the fact that the 4200 series of photographs were taken about 3 years before the 11,000 Series, the draftsman had some difficulty in getting an agreement as there has been many changes in irrigation and cultivated areas during this time.

GEOGRAPHIC NAMES 814 ✓

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

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Sheet No. 4388, Planimetric Map, Compilation of Aerial Photographs by the U. S. C. & G. S., Photographs taken by U.S. Army Air Corps in 1927, was found to be in good agreement, except the shore line in Glover Bight and the shore line of a mangrove island at E. & T. Station Air (1943). This shore line has shifted from 20 to 40 meters due to tides and growth of mangrove in this length of time.

LANDMARKS AND AIDS TO NAVIGATION

Landmarks and Non-Floating Aids to Navigation, which appear on this sheet have been listed on form 567, which is made a part of this report.

*check letter
394, (1942)*

AERONAUTICAL AIDS

One C.A.A. Aerial Navigation tower is on this sheet and has been listed as a Landmark for charts on Form 567, which is made a part of this report.

HYDROGRAPHIC CONTROL

Seventy-three unmarked hydrographic stations, bearing a short description, appear within tracing limits of this sheet. The following marked hydrographic stations appear on this sheet and can be recovered for use by the hydrographic party.

STATION	DATE	EST. by
. Bit	1943	K. G. Crosby
. Cap	"	"
. Mis	"	"
. Hey	"	"
. Oar	"	"
. Air	"	"
. B.M.-6 1927	1927	U.S.C. & G.S.
. E.M.-9 "	"	"
. B.M.-7 "	"	"
. B.M.-8 "	"	"
. E.M. Iona (USIL)		
1936	1936	U.S.E.D.
. E.I.-2 1927	1927	U.S.C. & G.S.
. L.M.-3 1927	"	"
. E.M.-4 1927	"	"
. E.M.-5 1927	"	"
. E.M.-PR-7-1935 (USIL)	1935	U.S.E.D.
. B.M.-PR-1-1935 (USIL)	"	"
. E.M.-PR-9-1935 (USIL)	"	"

SUPPLEMENTAL DATA

No supplemental data was available for comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Coast & Geodetic Survey, Gulf Coast, Florida, San Carlos Bay and Caloosahatchee River Chart No. 473 and Nautical Chart No. 1255. Due to large scale difference there was only a visual comparison made, but there was not any noticeable discrepancies to be found between these charts and Sheet T-5868. This Compilation should supersede the charted information.

Forwarded by:
Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party.....

Respectfully submitted,
Ben O. Bryant
Ben O. Bryant, Sr. Photo Aid

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

List of Non-floating
Aids to Navigation
Sheet 3-5666

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
TO BE DELETED }

Tampa Photogrammetric Office
Tampa, Florida

November 22, 1943

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.
The positions given have been checked after listing.

filled in National Charts Section
Chart Letter 398 (1942)

Kenneth G. Crosby Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE		DATUM						
		0	1	D. M. METERS	0		1					D. P. METERS
Caloosahatchee River Beacon 19 B	Caloosahatchee River Beacon 19A	26° 32'	758.0	01° 56'	829.0	NA 1927	Aerial Photo 1943 Compilation				1255 473	
Caloosahatchee River Beacon 19	Caloosahatchee River Beacon 18	26 32	487.0	01 56	1180.0	"	"				"	
Caloosahatchee River Beacon 19	Caloosahatchee River Beacon 18	26 32	286.0	01 56	1443.0	"	"				"	
Caloosahatchee River Beacon 18	Cuts, C. H. J., R. F., Lt. A (P. R. En. Cut G, 1927)	26 31	1825.0	01 57	207.0	"	"				"	
Cut G R. R. Lt. A (R. H. En. Cut G, 1927)	Cuts H, I, J., R. R. Lt. A (R. H. En. Cut H, 1927)	26 32	51.7	01 56	1330.1	"	"				"	
Cut H, I, J., R. R. Lt. A (R. H. En. Cut H, 1927)	Caloosahatchee River Beacon 16	26 31	1455.1	01 57	600.6	"	Aerial Photo 1943 Compilation				"	
Caloosahatchee River Beacon 17 B	Caloosahatchee River Beacon 14	26 31	1709.0	01 57	635.0	"	"				"	
Caloosahatchee River Beacon 17 A	Caloosahatchee River Beacon 17	26 31	1636.0	01 57	1383.0	"	"				"	
Caloosahatchee River Beacon 17	Caloosahatchee River Beacon 17	26 31	1521.0	01. 58	47.0	"	"				"	
Caloosahatchee River Beacon 17	Caloosahatchee River Beacon 17	26 31	1498.0	01 58	425.0	"	"				"	
Caloosahatchee River Beacon 17	Caloosahatchee River Beacon 17	26 31	1401.0	01 50	931.0	"	"				"	
Caloosahatchee River Cut G West R. F. En 10	Caloosahatchee River Cut G West R. F. En 10	26 31	1191.0	01 59	425.0	"	"				"	

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

(R) 567
April 1942

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

List of Non-Floating
Aids to Navigation
Sheet T-5866

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
~~UNRECOMMENDED~~

Tampa Photogrammetric Office
Tampa, Florida

Nov. 22, 1943

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.
398 (1942)

The positions given have been checked after listing.

Kenneth C. Crosby												Chief of Party.	
GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE									
		O	I	D. M. METERS	O	I	D. P. METERS						
Caloosahatchee River	Caloosahatchee River	26	31	1056.0	81	59	1205.0	U.S.	1927	1943			1255 and 1173
	Cut C West R.R. En	26	31	1300.0	81	59	705.0	"	"	"			"
	Caloosahatchee River	26	31	1191.0	81	59	1277.0	"	"	"			"
	Deacon 15	26	31	924.7	82	00	579.9	"	Triangulation	"			"
	Caloosahatchee River	26	31	701.1	82	00	855.9	"	"	"			"
	Deacon 13	26	31	564.7	82	00	1209.0	"	"	"			"
	Cut E R.R. Lt.	26	31	216.0	82	00	1350.0	"	"	"			"
	A (LOP -1928)	26	30	395.0	82	00	1366.0	"	Air Photo compilation	"			"
	Cut E R.R. Lt. 7	26	30	19.0	82	00	1457.0	"	"	"			"
	A (HAM-1928)	26	28	1770.0	82	00	1645.0	"	"	"			"
	Caloosahatchee River	26	28	1761.0	82	00	1351.0	"	"	"			"
	Deacon 4	26	28	1298.0	82	00	1127.0	"	"	"			"
	Caloosahatchee River	26	28	254.0	82	00	181.0	"	"	"			"
	Deacon 3												
	Punta Nasa R.P. Lt.												
	San Carlos Channel												
	Deacon 12												
	San Carlos Channel												
	Deacon 10												
	San Carlos Channel												
	Deacon 8												

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Monnet C. Crosby Chief of Party.

**List of Non-Floating
Aids to Navigation
Sheet T-5866**

LANDMARKS FOR CHARTS
Tampa Photogram
Tampa, Florida

TO BE CHARTED
STRIKE OUT ONE
~~TO BE DELETED~~

10 Nov. 22 1913

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

398 (1942)

The positions given have been checked after listing.

Hon. W. C. Crouby *Chief of Party.*

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS
Tampa Photogrammetric Office
Tampa, Fla.

Dec. 7 1943

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

398 (1942)

The positions given have been checked after listing.

398 (1942)

Benjamin C. Crosby
Chief of Party

Arnetta W. Croley

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field-survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No. T-5868

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
<u>Florida</u>	.								USGB	1
<u>Caloosahatchee River</u>	.								"	2
<u>State No. 25</u>	MC GREGOR	BLVD.	.							3
" " 278										4
<u>San Carlos Bay</u>	.									5
<u>Black Creek</u>	.									6
<u>Punta Rasa</u>	.								USGB	7
<u>Goodno Fill</u>	.									8
<u>Punta Rasa Cove</u>	.									9
<u>Shell Creek</u>	.									10
<u>Kinzie Cove</u>	.									11
<u>Big Shell Island</u>	.									12
<u>Little Shell Island</u>	.									13
<u>Mangrove Point</u>	.									14
<u>Iona Cove</u>	.									15
<u>Iona Point</u>	.									16
<u>Iona</u> and IONA ROAD	.									17
<u>Palmetto Point</u>	.									18
<u>Big Slough</u>	.									19
<u>Redfish Point</u>	.									20
<u>Redfish Cove</u>	.									21
<u>Piney Point</u>	.								USGB	22
<u>Long Bar</u>	(stated to be a favorite spot for commercial and sport fishing)									23
<u>Cattle Dock Point</u>	.									24
<u>Glover Bight</u>	.									25
<u>Jewfish Creek</u>	.									26
<u>Iona School</u>	.									27
<u>Kitchel Key</u>	.									M 234

Names underlined in red approved
by L. Heck on 3/4/47

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5868

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-5868

Radial Plot. (See Descriptive Report T-5872)

Office photographs were tested under the manuscript and the lines and points indicate an acceptable plot. The photographs were of good scale, with the exception of 11574.

Field Inspection and Detailing. (Additions and changes in red)

The three pictures for the eastern part of the map were older (Dec. 1939) than the three used for the western part (Nov. 1942), so that cultural detail changes had to be supplied by the field inspection party.

The reviewer has redelineated shoreline in several places, since the compiler did not closely observe the field inspection data. Ditches have been added, but only to the extent that a general pattern is presented. There are numerous subsidiary ditches in the cultivated areas, but to put them in would give a clutter of detail. However, the drainage ditches through the marsh east of Palmetto have been drawn because it is the only marsh thus drained.

Comparison with Previous Topographic Surveys.

T-5868 supersedes the following older surveys over the common areas:

	T-4281	1:10,000	1927
	T-4288	1:10,000	1927
Planimetric			
Map	T 4388	1:20,000	1927

There have been many changes in along-shore details since the previous surveys which need not be discussed in detail. Further, the delineation of mean high-water line on fast land as distinguished from mean high-water line on mangrove differs considerably on T-5868 as compared with the older surveys. This is probably due very largely to differences

in interpretation and the more complete field inspection on T-5868 rather than to actual changes in ground details.

Comparison with Nautical Charts.

T-5868 has been applied to chart 1255 prior to this review. It apparently has not been applied to chart 473. T-5868 shows many changes in detail to be applied to the chart.

Changes made during the review are shown in red on the manuscript but are too small to affect chart 1255.

Reviewed by:

Reviewed under direction of:

Lena T. Stevens
Lena T. Stevens
Photogrammetrist
Oct. 25, 1945

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

APPROVED BY:

B.G. Jones 7/17
Technical Assistant to the
Chief, Div. of Photogrammetry

H. Sturding
Chief, Nautical Chart Br.
Division of Charts

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