

5876

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. H.T.-242-G Office No. T-5876

LOCALITY

State Florida

General locality Charlotte Harbor

Locality Punta Gerda

Date of Photos - 12-19-39 & 12-21-39

194 4

CHIEF OF PARTY

K.C. Crosby

LIBRARY & ARCHIVES

DATE

April 1 - 1949

B-1870-1 (1)

5876

Partially applied to Chart 1255

5/11/46 R

DATA RECORD

T-5876

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

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

Completed survey received in office: 22 Feb. 1944

Reported to Nautical Chart Section:

Reviewed: 30 May 1945 Applied to chart No. 1255 Date: 8/23/45
1355 5/11/46

Redrafting Completed: 14 Feb. 1947

Registered: *March 1949*
~~3 June 1948~~ Published: May, 1947

Compilation Scale: 1:10,000 Published Scale: 1:10000

Scale Factor (III): 1:00 1227

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

Reference Station (III): Gorda, 1934

Lat.: 26° 55' 51.813" (1594.7m) Long.: 82° 03' 33.604" (927.1m) Adjusted
Unadjusted

State Plane Coordinates (VI):

X = 480,667.41

Y = 944,075.07

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4362	12/19/39	11:07	1:10,000	0.4+
4363	"	11:08	"	"
4365	"	11:13	"	"
4366	"	11:14	"	"
4367	"	11:15	"	"
4399 ¹	12/21/39	10:33	"	0.5+
4400	"	10:34	"	"
4401	"	10:35	"	"

Tide from (III): Punta Gorda, Charlotte Harbor

Mean Range: 1.4 ft. Spring Range: 1.9 ft.

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

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

Field Edit by: date:

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

Projection and Grids ruled by (III) Washington Off. date: 12/1/43

" " " checked by: " " date: "

Control plotted by: H.W. Thune, Jr.Photo.Engr date: 12/6/43

Control checked by: E.C.Andrews, Photo. Aid date: 12/6/43

Radial Plot by: Tampa Office personnel date: 12/9/43

Detailed by: John L. White, Prin. Photo.Aid date: 12/24/43 to
2/9/44.

Reviewed in compilation office by: F.H.Elrod, date: Feb. 1944
Prin. Photo. Aid

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 26.4

Shoreline (More than 200 meters to opposite shore): 9.5 naut. mi.

Shoreline (Less than 200 meters to opposite shore): 17.5 naut. mi.

Number of Recoverable Topographic Stations established: 8

Number of Temporary Hydrographic Stations located by radial
plot: 19

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:

T-5876

CONTROL

TRIANGULATION STATIONS

Cooper	1909	
Punta Gorda, Weather Bureau pole,	1909	
Punta Gorda, Astronomic Station	1909	
Punta Gorda, Presbyterian Ch. Sp.	1909	
Punta Gorda, Minicipal Tabk	1934	
Gorda	"	
AF-39 (F.G.S)	"	
40	"	
41	"	
42	"	(not held)
43	"	
44	"	
45	"	
46	"	
47	"	
49	"	
Punta Gorda, Charlotte Har. Hotel flagpole	1934	
Punta Gorda 2,	1943	
Punta Gorda Army Airfield Control Tower		

RECOVERABLE TOPOGRAPHIC STATIONS

Corda Azimuth Mark	1934
BM J-38	1933
K-38	"
L-38	"
Q-38	"
H-24	"
1 (USE)	1935
Tank, elev., Fla Power & Lt	1943

RECOVERABLE HYDROGRAPHIC STATIONS

NES	1943
POL	"
SAP	" (not held)
TAL	"

COMPILATION REPORT

To Accompany

SHEET NO. T-5876

CONTROL

There are 19 triangulation stations plotted within the limits of this sheet. The field party was unable to identify two of these stations on the photographs, namely "Cooper, 1909" and "Punta Gorda 2, 1943". However, the field party established an F.I.S. for each of the two stations and these points were plotted, by latitude and departure furnished by the field party, on the base grid sheet and used for control in the main radial plot. No computation to establish a geodetic position for these points was made; but the positions, as plotted on the base grid sheet, were found to be in good agreement with the main scheme of control in this area.

All stations were held in the main radial plot with the exception of "Sap, 1943" and "AF-42, 1934". In the main radial plot "Sap, 1943", as identified on the photographs by the field party, formed a radial line intersection $8\frac{1}{2}$ meters west of the plotted position. Station "AF-42, 1934" formed an intersection 7 meters Northwest of the plotted position. This discrepancy in position is believed to be due to erroneous identification on the field prints.

A discussion of the above two stations is included in the Main Radial Plot, which has been made a part of description report for Sheet T-5879.

Photographic coverage was not adequate for rigid control by radial points along the eastern boundary of this sheet.

MAIN RADIAL PLOT

The discussion of the Main Radial Plot which included this sheet has been made a part of the descriptive report of Sheet T-5879.

DETAILING

All photographs used in the detailing of this sheet were clear with the minor exceptions of a few small shadows caused by clouds on Photos 4362 and 4363. Detailing was according to current instructions for this project. Photographic scale was found to be reasonably good. The field inspection was considered to be adequate for coast line and interior except for the inland area adjacent to MANGROVE AND GORDA POINTS.

Some difficulty was encountered in the classification of vegetation along the line of demarkation between coastal mangrove and the pine, palmetto brush and grass areas of the

interior. This vegetation line is not a well defined berm but a gradual change from the heavily wooded mangrove coastal region to the scattered pine, palmetto, brush and grass of interior regions. The border line between the two types of vegetation is characterized by a region of Sand flats, numerous Ponds and flooded areas. All areas labeled as "Sand flats" on the Survey sheet are only flooded at extreme high tides, while in the intervals between flooding the ground is dry enough to support numerous hammocks of grass and brush scattered throughout these sand flat areas. This condition of being "seasonally flooded" is also true of those areas labeled "flooded". These flooded areas are defined on the photographs by a well defined berm indicating drainage from the interior region into the area of Sand flats. These flooded areas are covered with scattered vegetation.

Areas labeled "I.P." are covered with water in wet seasons, but for the greater part of the year are, for the most part, dry and have grass growing within their limits. Boundaries of these intermittent ponds are only approximate since there is no well defined banks that can be identified as such on the photographs.

PUNTA GORDA ARMY AIRFIELD

The detailing of the Punta Gorda Army Airfield was done from plans furnished this office by the U. S. Army Engineers. These plans are on a scale of 1:400 and 1:200 and were reduced to the compilation scale by pantograph.

The runways were controlled by plane coordinates, furnished by the Engineers, at the intersections of the center-lines of runways. U.S.E.?

This office was unable to get coordinate values for the boundary corners except that values were obtained for the northwest corner. Values for several points on the boundary were obtained and as distances and bearings were available from the layout plans the boundary was plotted by protractor and is thought to be reasonably accurate.

These points are shown on the compilation in black circles. They have been numbered for identification and a resume of the numbers with a short description is shown on the margin of the sheet. Plane coordinate values are as follows:

<u>No.</u>	<u>Description</u>	<u>X value</u>	<u>Y value</u>
1.	N.W. Boundary Corner	498,134.18	943,122.85
2.	Boundary-Rwy.Mon.RE 5	499,095.71	943,109.76
3.	Boundary-Rwy.Mon.RE 4	506,145.40	942,894.80
*4.	Boundary-Rwy.Mon.RE 3	507,448.90	941,300.17
5.	Boundary-Rwy.Mon.RE 2	504,645.00	933,813.07
6.	Boundary-Rwy.Mon.RE 1	501,027.02	933,725.60
7.	Boundary-Rwy.Mon.RE 6	498,126.44	941,164.91
8.	Intersection centerline E-W and NW-SE Runways	500,238.32	941,195.55
9.	Intersection centerline E-W and NE-SW Runways	505,237.34	941,268.08
10.	Intersection centerline NW-SE and NE-SW Runways	502,800.64	936,902.91
11.	Control Tower	500,741.92	938,369.44
"	"	Lat. 26°54'55".35 Long. 81°59'51.80"	

Show as
boundary
monuments
on published
map
g
Show as
Control
Tower
(U.S.E.)

SUPPLEMENTAL DATA

Layout plans of the Punta Gorda Army Airfield were used to supplement the photographs.

Page 2

LANDMARKS AND AIDS TO NAVIGATION

There are three uncharted landmarks shown on this sheet and listed on Form 567 that are recommended to be charted. *cht. letter 126(1944) copy attached hereto*

"static"
"Engineers"
control
data -
to be
U.S.E.D.

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. *cht. letter 126(1944) copy attached hereto*

12/27/46

HYDROGRAPHIC CONTROL

The following marked H&T Stations appearing on this sheet can be recovered for use by the hydrographic party:

Station	Year	Established by
B.M. 1	1935	U.S.E.D.
Q-38	1933	U.S.C. & G.S.
SAP	1943	K.G. Crosby
NES 1	1943	K.G. Crosby

Form 524 from file in
Div. of Photog. General Files

In addition to the above, there are 19 temporary hydrographic stations located by radial plot with a short description of each on the survey sheet.

* East of map limit.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

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

GEOGRAPHIC NAMES

814
A Special report on Geographic Names under the title, "Florida West Coast, Charlotte Harbor, Gasparilla Sound, Miakka River and Peace River" was submitted by Lawrence C. Bonham, Jr. Photogrammetric Engineer, to the Washington Office November 1, 1943.

AERO NAUTICAL AIDS

There were no Aeronautical Aids to Navigation to be shown on this sheet. Punta Gorda Muni. Airport and Punta Gorda Army Airfield are shown on this compilation.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C. & G.S., Estero Bay to Lemon Bay, Chart No. 1255. On this Chart a small island in approximate Latitude $26^{\circ} 54' N.$, Longitude $82^{\circ} 05' 30'' W.$ is shown as being separated from the mainland by a small channel of approximately 10 meters width. The photographs taken in 1939, covering this area have no indication that this channel now exists. Otherwise no noticeable discrepancies appear between Chart No. 1255 and this sheet. *Revised in return.*

A new highway bridge has been constructed across Peace River at Punta Gorda. The old bridge is shown on this compilation, but is now abandoned.

It is recommended that this compilation supersede the present charted information.

Respectfully submitted,

John L. White

John L. White,
Prin. Photo. Aid.

Forwarded by:

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE CHARTED
STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office
Tampa, Fla.

February 8, 1944

I recommend that the following objects which have ~~(never been)~~ 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.

Lieut. Comdr. K. G. Crosby

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
LIST OF NON-FLOATING
AIDS TO NAVIGATION
Sheet T-5876

LANDMARKS FOR CHARTS

TO BE CHARTED } **STRIKE OUT ONE**

Tampa, Florida

Feb. 8, 1944

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(attached form)~~ the charts indicated.

The positions given have been checked after listing.

H. J. Condy

Lieut. Comdr. K. G. Crosby,

GENERAL LOCALITY		NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM							
			°	'	°	'								
								D. M. METERS						
Charlotte Harbor & Peace River		Punta Gorda Light 2	26	56	276	82	04	641	N.A. 1927	Radial Plot	1943			1255 ✓
		Punta Gorda Wreck Beacon 2x	"	"	210	"	"	936	"	"	"	"	"	"
		Punta Gorda Beacon 4	"	"	208	"	"	579	"	"	"	"	"	"
		" " 6	"	"	102	"	"	485	"	"	"	"	"	"
		" " 8	26	55	1817	82°04'		369	"	"	"	"	"	"
		" " 10	"	"	1690	"	"	257	"	"	"	"	"	"
		" " 12	"	"	1566	"	"	144	"	"	"	"	"	"
		" " 14	"	"	1441	"	"	32	"	"	"	"	"	"
		Peace River Beacon 4	26° 56'	678		82°03'		1489	"	"	"	"	"	" ✓
		Beacon No. Number (Wood Piling)	26°56'	50		82°04'		434	"	"	"	"	"	"
							</							

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-5876

GEOGRAPHIC NAMES											
Survey No.											
T-5876											
Name on Survey											
		A	B	C	D	E	F	G	H	K	
✓	<u>Florida</u>									USGB	1
✓	<u>Peace River</u>									"	2
✓	<u>Live Oak Point</u>										3
✓	<u>Barron Collier Bridge</u>										4
✓	<u>Punta Gorda</u>		(town)								5
✓	<u>Solana</u>										6
✓	<u>Eagle Nest Creek</u>										7
✓	<u>Punta Gorda Army Airfield</u>										8
✓	<u>Aclina</u>										9
✓	<u>Punta Gorda</u>		(point of land)								10
✓	<u>Charlotte Harbor</u>										11
✓	<u>Mangrove Point</u>										12
✓	<u>Curlew Creek</u>										13
✓	<u>Alligator Creek</u>										14
✓	<u>Alligator Creek (South Fork)</u>										15
											16
✓	<u>Atlantic Coast Line</u>										17
✓	<u>U.S. 41/Fla. 5</u>										18
✓	<u>U.S. 17/Fla. 86</u>										19
✓	<u>Fla. 262</u>										20
✓	<u>Punta Gorda Airport</u>										21
											22
											23
											24
											25
											26
											27

Records underlined in red approved
by L Heck on 12/13/46

M 234

Revised and confirmed in red approved
by L. Heck on 12/13/46

Review Report
Planimetric Map Manuscript T-5876

May 1945

Radial Plot

The radial plot was checked and found to be within the limits of required accuracy.

Detailing

The delineation of detail was accurate. A few additions were made and roads were reclassified in accordance with instructions.

Plans for Punta Gorda Airport were compared with the compilation and a few additions were made.

Many buildings were added to the town of Punta Gorda.

Comparison with Previous Topographic Surveys

T-855	1:20,000	1860
T-856	1:20,000	1860

The shoreline on the map manuscript, is in general agreement with that of the above surveys except that an island on the old survey no longer exists. The channel separating it from the mainland has become overgrown with mangrove.

Comparison with Nautical Charts

The map manuscript has been compared with chart 1255. Many minor changes exist and more inshore detail is shown on T-5876.

T-5876 has not been applied to chart 1255 as of the date of this review.
Reviewed by:

Under the Direction of:

Lena T. Stevens
Lena T. Stevens, 30 May 1945

Ralph Moore Berry
Ralph Moore Berry
Chief Review Section

APPROVED BY:

B.G. Jones 4/49
Technical Assistant to the
Chief Div. of Photogrammetry

K.T. Adams
Chief, Div. of Photogrammetry

J.C. Edmiston
Chief, Nautical Charts Branch
Division of Charts

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

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5876

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.