5879

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-5879

LOCALITY

State Florida

General locality Charlotte County

Locality Charlotte Harbor

Locality

101

194 4

CHIEF OF PARTY

Lieut.Comdr.Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE SEPT 17-174/

B-1870-1 (1)++

5879

DATA RECORD

5879

Quadrangle (II):

Project No. (II):242-G

Tampa, Fla.

Field Office:

Chief of Party: K. G. Crosby

Compilation Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Instructions dated (II III):

Copy filed in Descriptive Report No. T-

Apr. 3, 1940

Completed survey received in office: 2/29/44

Reported to Nautical Chart Section: 4/26/44

Reviewed: 6/45

Applied to chart No.

Date:

Redrafting Completed: 12/23/46

Registered: 9/47

Published: / 5/6/47

Compilation Scale: 1:10,000

Published Scale: /:/0 000

Scale Factor (III): 1.00

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

Reference Station (III): GRASSY POINT, 1909

Locust Point 2, 1934 (d.m)

Lat .:

Long .:

Adjusted

26° 55' 49.596' (1526.4m)

=82°-05-143-818-(1208-61m) Unadificated

State Plane Coordinates (VI):

X = 555,945.86

Y = 943,870.235

Florida week zone

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
4373 4374 4375 4376 4377 4378	12-19-39 u u u	11:23 11:24 11:25 11:26 11:28 11:29	1:10,000 to to to to to to	+1.7 15 15

Tide from (III): Punta Gorda

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

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: July, 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: Dec. 6,1943
" " checked by: " date:Dec. 6,1943

Control plotted by: B. O. Bryant, Sr. Photo. Aid date: Dec. 22,1943

Control checked by: J. Collins, Sr. Photo. Aid date: "

Radial Plot by: Tampa Office Personnel date: Dec. Jan. 1944

Detailed by: R. Dossett, Prin. Photo. Aid. date: Feb. 1944

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): 20.8

Shoreline (More than 200 meters to opposite shore): 20.0

Shoreline (Less than 200 meters to opposite shore): 32.8

Number of Recoverable Topographic Stations established: 4

Number of Temporary Hydrographic Stations located by radial plot: 58

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 - 5879

CONTROL

Four triangulation stations as follows appear within the tracing limits of this sheet:

GRASSY POINT, 1909 (Reference Sta.) LOCUST POINT 2, 1934, MQ-1938, U.S.E. MO-1938, U.S.E.

All of these stations were used to control the Main Radial Plot and subsequent additional radial points.

MAIN RADIAL PLOT

This plot consisted of 12 sheets, T-5874 to T-5881 inclusive and sheets T-5857 to 9-5860 inclusive.

The following photographs were used: 4355 to 4385 inclusive, 4392 to 4401 inclusive, 4302 to 4314 inclusive, 4342 to 4348 inclusive and 4267 to 4273 inclusive.

Due to the size of this plot and to the relative position of the sheets, it was found to be impractical to make the template assembly as a single unit. Therefore, three assemblies were made, each of which could have been independent, but which were overlapped one upon the other to a degree sufficient to achieve a result equivalent to one continuous radial plot.

The three parts of this plot were made up of the following combinations of sheets: (1) T-5874 to T-5878 inclusive, (2) T-5857 to T-5860 inclusive, (3) T-5879 to 5881 inclusive.

The photographs used in this plot were unmounted acetate impregnated; therefore it was necessary to use the master metal template for the elimination of the effect of paper distortion. The regular procedure was followed in the laying of the templates, that is, templates with strongest fix first, then progressively laying through ones with weaker fixes.

In the process of effecting a junction between sheets T-5873 and X-5874, photographs 11615, 11616, 11617 and 11597 were re-laid in order to utilize control which was not available when the original plot for T-5873 was laid. This was anticipated in the report for the previous plot.

The following discrepancies were noted with respect to control stations throughout the plot; Intersections were obtained at given distances from the plotted positions. This is believed to be due to extreme difficulty in identification at these points.

- T-5876 triangulation station, Sap, formed intersection-8½ meters west of plotted position.

 triangulation station, A.F. 42, formed intersection 7 meters N.W. of plotted position.
- T-5857 triangulation station, 1002+90 400 ft offset, formed intersection 7 meters north of plotted position.
- T-5860 triangulation station, DREW, formed intersection 3 meters north west of plotted position.
- T-5859 triangulation station, HUM, formed intersection 6 meters south east of plotted position.

Excellent intersections were obtained and also the azimuths were found to be good. With the exception of the control discrepancies which were noted, it is believed that this plot falls well within the limits of prescribed accuracy.

DETAILING

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

The field inspection of the West one-half of this Sheet was confined principally to the shoreline, the inshore areas being inaccessable to the field inspector. These areas, however, have the detail characteristics common to this part of Florida with which the draftsman is familiar, and it is believed that a true interpretation has been obtained. Field inspection of the eastern one-half was plentiful.

All photographs were clear and of good scale.

SUPPLEMENTAL DATA

No supplemental data was available.

GEOGRAPHIC NAMES

Geographic names for this compilation have been

covered in a report by Lawrence C. Bonham, Jr. Photo. Eng. 40 entitled "Special Report to Supplement Name Sheets Nos. 32-40, Florida West Coast, Gasparilla Sound, Miakka River, and Peace River.

LANDMARKS AND AIDS TO NAVIGATION:

The aids to navigation have been listed on form 567 and made a part of this report.

HYDROGRAPHIC CONTROL

Fifty eight unmarked hydrographic stations, bearing a short description, appear within the tracing limits of the sheet.

The following marked hydrographic stations also appear:

Name	Date	Established by
SKY OCT.	1943	K.G.Crosby
COP	th	u
FUN	ti	ts

COMPARISON WITH TOPOGRAPHIC QUADRANGLES.

No topographic quadrangle was available for a comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with nautical Chart No. 1255 Estero Bay to Lemon Bay, including Charlotte Harbor.

The difference in scale prohibited a thorough comparison, however, no large discrepancies in detail were noted.

Respectfully submitted,

Radolyh'Dossett, Prin. Photo. Aid.

Kenneth G. Grosby Chief of Party...

Form 567 (Rev. April 1942)

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

Non-Floating Navigation T-5879 . Sheet Aids List

LANDMARKS FOR CHARTS

Feb. 22 Tampa Photogrammetric Office.

, 19<u>11,</u> I recommend that the following objects which have (havenex) been inspected from seaward to determine their value as landmarks, be charted on Adeleteck from the charts indicated.

The positions given have been checked after listing.

STRIKE OUT ONE

TO BE CHARTED TO BE DERKENERS

					Kenk	Kenketh G. (Crosb)	Crosb		Chi	Chief of Party.
GENERAL PERCE RIVER			POSITION							
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NAME AND DESCRIPTION	0	D. M. METERS	- 0	D. P. METERS	MOTAG.		}			
Peace River Light.	26 55	1615	82 06	118	N.A. 1927	Radial Plot	1944	5		1255
Peace River Bn.#1	26 56	659	82 05	8475		Sextant Fix	5	쁄		#
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landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted charts of the area and not by individual field survey sheets. Information under each column heading should be given.

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Florida								USG
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Peace River								11
U.S. 41/ Fla. 5				,				
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Charlotte Harbor	(vil	age)						
Grassy Point								
Alligator Bay								
Little Alligator Creek			-					
Lewis Creek							:	
Middy Bay							ļ	
Rocky Creek			-					
Locust Point	.							
Hog Island								
Big Shoal								
Myakka Cutoff	(not	Miakka)					
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NAUTICAL CHARTS BRANCH

SURVEY NO. 7-5879

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/22/45	1255	map Hall.	Before After Verification and Review
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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-5879

Radial Plot and Detailing.

Inspection of radial lines to detail points indicates a plot of required accuracy.

Detailing was good. Only a few additions were made by the reviewer. These were along the shoreline and are indicated in red.

The few roads were reclassified to conform to the standard.

Locust Pt. 2, 1934 was taken as a reference station in place of Grassy Point, 1909 since this is a NA 1927 datum station.

Comparison with Topographic Surveys.

1:20,000 1860 T-855

A general agreement, but the present map is so much more detailed that there is little basis for comparison.

Shoal areas differ. A neck of land on west end of Miakka Cutoff has now been cut across to form an island. T-5879 supersedes T-855.

Comparison with Contemporary Surveys.

None

Comparison with Nautical Charts.

T-5879 was applied to chart 1255 after this review.

Reviewed under the direction of R. M. Berry, June 1945.

Review report prepared by B. G. Jones from reviewer's notes, September 1947.

Approved by:

Assistant to the Chief, Div. of Photogrammetry

Chief, Wautical

Division of Charts

of Photogrammetry

Chief, Div. of Coastal

Surveys