5869

Diag'd. on diag ch. No. 1255

Form 904

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Planimetric Map

Field No.: Office No.: T-5869

LOCALITY

State: Florida

General locality: Matlacha Pass

Locality: Masters Landing & Vicinity

Photos, nine-lens, 11/12/42

1943

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE: Aug 8, 1947
DATA RECORD

T- 5869

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) Apr. 3, 1940 Copy filed in Descriptive Report No. T-VI

Completed survey received in office: 12/24/43

Reported to Nautical Chart Section: 1/26/45

Reviewed: 11/1/45 Applied to chart No. 1255 Date: 8-22-45

Redrafting Completed: 3/2/47

Registered: 7/4/47 Published:

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

Scale Factor (III): 1.00

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

Reference Station (III): Jewfish, 1927, 1934

Lat.: 26°31'43.292" (1332.3m) Long.: 82°01'01.876" (51.9m) Adjusted

Unadjusted

State Plane Coordinates (VI):

X = 194,380.08

Y = 797,849.53

Military Grid Zone (VI)
### PHOTOSHOP (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>11605</td>
<td>11/12/42</td>
<td>11:28</td>
<td>1:10,000</td>
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<td>11601</td>
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<td>11:25</td>
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<td>11589</td>
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<tr>
<td>11587</td>
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<td>11:14</td>
<td></td>
<td>.2 ft.</td>
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</table>

Tide from (III): Punta Rasa, San Carlos Bay
Mean Range: 1.7'  Spring Range: 2.3'
Camera: (Kind or source) U. S. C. & G. S. (9 lens (8 3/4" focal length)
Field Inspection by: H. A. Duffy  date: Apr. 1943
Field Edit by: date:

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

Projection and Grids ruled by (III) Washington Office  date: 5/21/43
" " " checked by: Washington Office date: 
Control plotted by: R. Dossett, Prin. Photo. Aid  date: 7/14/43
Control checked by: O.M. Rivera, Sr. Photo. Aid  date: 
Radial Plot by: Tampa Office Personnel  date: 7/43
Detailed by: J. Collins, Photo. Aid  date: 11/10/43 12/16/43
Reviewed in compilation office by: F.H. Elrod, Prin. date: Dec. 1943
Photo. Aid

Elevations on Field Edit Sheet checked by: date:
STATISTICS (III)

Land Area (Sq. Statute Miles): 32.398

Shoreline (More than 200 meters to opposite shore): 19.68

Shoreline (Less than 200 meters to opposite shore): 20.25

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: 130

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:
DESCRPTIVE REPORT
TO ACCOMPANY
SHEET-T-5069

CONTROL

There are no triangulation stations within the limits of this sheet. Points located by radial plot were held in locating additional radial point and satisfactory results were obtained.

RADIAL PLOT

For a description of the radial plot reference is made to sheet No. T-5C72, which is a part of this project.

In addition to the radial plot the following work was done by the draftsman, templates were made for all photographs using the Distortion Correction Template. By this method chamber junction lines were transferred to the survey sheet. The chamber junction lines were held in locating extra radials with which satisfactory results were obtained.

DETAILEDING

The photographs used in detailing this sheet were generally clear and the scale was fair.

The radial points in the approximate Lat. 26°32' and Longitude 82°02' to 82°04' were not located entirely satisfactorily due to distortion and bad chamber junctions of all photographs in this area, with the exception of Photograph No. 11602, which was fair.

SUPPLEMENTAL DATA

No graphic control surveys or maps and plans were used to supplement photographs in the detailing of this sheet.

HYDROGRAPHIC CONTROL

There are 5 marked stations within the limits of this sheet located by radial plot these are:

<table>
<thead>
<tr>
<th>Station</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAN</td>
<td>1943</td>
</tr>
<tr>
<td>BUS</td>
<td>1943</td>
</tr>
<tr>
<td>FLE</td>
<td>1943</td>
</tr>
<tr>
<td>NGO</td>
<td>1943</td>
</tr>
<tr>
<td>ELI</td>
<td>1943</td>
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</tbody>
</table>

There are 129 unmarked stations appearing on this sheet for future use by the hydrographic party. A short description
appears by each of these on the compilation.

LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks or aids to Navigation within the limits of this sheet.

GEOGRAPHIC NAMES

Reference is made to a special report to supplement name sheets Nos. 25-31, Caloosahatchee River, San Carlos Bay, Pine Island Sound, and Lathacha Pass, submitted May 31, 1943, by R. A. Duffy, Prin. Photo. Aid. The Geographic Names mentioned in this report were used.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no Topographic Quadrangles available in this office for comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Nautical Chart No. 1255, U.S.C.& G.S. published in 1929. An accurate comparison could not be made due to Scale difference. The Nautical Chart is 1:80,000 scale. There are certain differences that were noted.

The Nautical Chart shows Little Pine Island covered with mangrove, while there are now Pine and Palm over a large part of the inshore area.

The northern group of Islands in the Deer Stop Keys are now covered with mangrove, whereas, they are shown on the chart as bare at mean low water.

The shoreline is in general agreement except for minor changes in the course of some streams, which is probably due to high water and mangroves.

Respectfully submitted,

Jim Collins, Photo. Aid.

Forwarded by:

Kenneth G. Crosby
Chief of Party...
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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*Notes underneath have been approved by [Signature] on 2/11/47*
## Nautical Charts Branch

**Survey No. T-5849**

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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<tr>
<td>8/22/45</td>
<td>1255</td>
<td>Mac Hall</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td>10/24/47</td>
<td>473</td>
<td>Wichko</td>
<td>Before After Verification and Review</td>
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<tr>
<td>2-6-48</td>
<td>1255</td>
<td>W. Andrew</td>
<td>Before After Verification and Review</td>
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</tbody>
</table>

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-5869

Radial Plot. (See Descriptive Report T-5872)

Except in the extreme NW corner and the middle
part of the southern border, cuts were adequate.
(See "Control" below.)

Control.

No triangulation stations fell within the borders
of this map. Triangulation station Jewelsh (1927,
1943) lies just south (in T-5867) and is listed as
the "Reference Station."

Detailing. (Revisions and additions in red)

The compiler-utilized field inspection data well,
therefore the reviewer made few alterations.

In the inland "S, mud, & sct. mg" areas which
flood at high water, the reviewer put in a consider-
able amount of detail in order to bring out character-
istics peculiar to these strips.

Comparison with Previous Topographic Surveys.

T-5869 supersedes T-1048, 1:20,000, 1866, over
the common area.

Comparison with Nautical-Charts.

T-5869 was applied to chart 1255 prior to this
review, but apparently has not been applied to chart
473. Minor corrections made to the manuscript during
review are shown in red but do not affect chart 1255.

The manuscript shows many small changes to be
applied to the topographic information on chart-473.
Reviewed by:       Reviewed under direction of:

Lena T. Stevens  S. V. Griffith
Photogrammetrist  Chief, Review Section
Nov. 1, 1945

APPROVED BY:

B.G. Jones 7/47
Technical Assistant to the
Chief, Div. of Photogrammetry

K.T. Adams
Chief, Div. of Photogrammetry

E.K. Green
Chief, Div. of Coastal Surveys

Chief, Nautical Chart Br.
Division of Charts