**DESCRIPTIVE REPORT**

**Type of Survey**: Air Photo Compilation

**Field No.**: Office No. **T-5857**

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**LOCALITY**

- **State**: Florida
- **General locality**: Gasparilla Sound
- **Locality**: Knight Island, Bocilla Island

**Date Photos**: Dec. 14 & 19, 1939

**CHIEF OF PARTY**

- Lieut. Comdr. Kenneth G. Crosby

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**LIBRARY & ARCHIVES**

**DATE**: Sept 19-1947
DATA RECORD

Quadrangle (II): Tampa, Fla.

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: 1/44

Reported to Nautical Chart Section: 2/26/44

Reviewed: 6/45 Applied to chart No. Date:

Redrafting Completed: 12/17/46

Registered: 9/47 Published: 2/27/47

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): Llano 1860

Lat.: 26°51'00.51^u (15.79m) Long.: 82°17'34.127(942.19m)

Adjusted

State Plane Coordinates (VI):

X = 4104, 526.25 Y = 914, 818.69

Military Grid Zone (VI)
PHOTOGRAPHS (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>4267</td>
<td>12/14/39</td>
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<td>1:10,000</td>
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<tr>
<td>4267</td>
<td>12/14/39</td>
<td>12:50</td>
<td></td>
<td>+0.2</td>
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<tr>
<td>4342</td>
<td>12/19/39</td>
<td>10:34</td>
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<td>+0.25</td>
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<tr>
<td>4343</td>
<td>12/19/39</td>
<td>10:35</td>
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<td>+0.25</td>
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<tr>
<td>4344</td>
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<td>10:36</td>
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<td>+0.25</td>
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<tr>
<td>4388</td>
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<td>11:47</td>
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<td>+0.2</td>
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<tr>
<td>4389</td>
<td></td>
<td>11:48</td>
<td></td>
<td>+0.2</td>
</tr>
<tr>
<td>4390</td>
<td></td>
<td>11:49</td>
<td></td>
<td>+0.2</td>
</tr>
<tr>
<td>4391</td>
<td></td>
<td>11:50</td>
<td></td>
<td>+0.2</td>
</tr>
</tbody>
</table>

Tide from (III): S. Boca Grande  Ref: Tampa Bay.
Mean Range: 1.0'  Spring Range: 1.3'  
Camera: (Kind or source) U.S.C.&G.S. 9 lens (6.4' Focal length)

Field Inspection by: H. A. Duffy, Prin. Photo. Aid.  date: Aug. 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: 12/10/43  date: 12/10/43
" " " checked by:
Control plotted by: Ben O. Bryant, Sr. Photo Aid  date: 12/18/43
Control checked by: J. Collins, Photo Aid  date: 12/20/43

Radial Plot by: Tampa Office Personnel  date: 12/24/43
Detailed by: Ben O. Bryant, Sr. Photo Aid  date: Jan. 1944
Reviewed in compilation office by: P. H. Elrod, Prin. Photo Aid.  date: Jan. 1944

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

Land Area (Sq. Statute Miles): \(14.5\)

Shoreline (More than 200 meters to opposite shore): 20'

Shoreline (Less than 200 meters to opposite shore): 11.7

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: 2

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:
DESCRIPTION REPORT
To Accompany
Sheet-T-5857

CONTROL

Eighteen triangulation stations appear within
the tracing limits of this sheet. Only sixteen of these
stations were used in radial plot, due to the fact these
stations are U.S.E.D. Traverse stations and this office
could not obtain the positions of two of these stations
at the time the radial plot was run, namely (AXIS CUT VG
1936) (AXIS CUT VH 1936). Later the positions of these two
stations were obtained and were plotted on survey sheet by
draftsman and were found to be in very good agreement with
detail and other stations near by.

Station 1002 + 90 - 400' offset could not be
held in main radial plot. The radial line intersection
obtained in radial plot on this station was seven meters
north of the plotted position. Therefore this inter-
section was held in cutting in additional radial points
by the draftsman.

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

MAIN RADIAL PLOT.

The discussion of the radial plot which included
this sheet has been made a part of descriptive report of
sheet T-5879.

DETAILING

The detailing of this sheet has been done accord-
ing to the current instructions for this project. The photo-
graphs used in detailing this sheet were generally clear, and
the scale was found to be reasonably good. The field inspec-
tion notes were plentiful throughout the sheet. The photo-
graphs that were used in main radial plot are shown on sheet,
however, there was another flight of photographs available,
namely photographs number 4388, 4389, 4390, 4391, these
photographs also were used by the draftsman in detailing
this sheet.

SUPPLEMENTAL DATA

There was no supplemental data available for
comparison with this sheet.
LAND MARKS AND AIDS TO NAVIGATION

There were no landmarks or Aids to Navigation to be shown on this sheet.

HYDROGRAPHIC CONTROL

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Date</th>
<th>Est. by.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM</td>
<td>1943</td>
<td>K. G. Crosby</td>
</tr>
<tr>
<td>NIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

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

GEOGRAPHIC NAMES

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.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C. & G.S., Estero Bay to Lemon Bay, Chart No. 1255. The shoreline on the west side of Knight Island and Bocilla Island is continually changing as is noted by the time of photographs were taken and time of field inspection. This is believed to be caused by storm tides.

Knight Pass and Bocilla Pass at the time field inspection was done were found to be completely closed by 100 meters or more and have a fast shoreline on both East and West shores.
There were no other discrepancies that could be found due to the large scale differences of these sheets. This compilation should supersede the charted information.

Respectfully submitted,

Ben O. Bryant
Sr. 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>
<th>H</th>
<th>K</th>
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<tbody>
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<td></td>
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<td>USGS 1</td>
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<td></td>
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<td>Seaboard Air Line</td>
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<td>(New Pass) Stump Pass</td>
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<td>(preferable to omit (West Prong) and East Prong)</td>
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</table>

Notes: unaltered in red approved
by L. Heck 9/26/46

W 234
<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/23/45</td>
<td>1255</td>
<td>Mosco</td>
<td>Before verification and review</td>
</tr>
<tr>
<td>2-9-48</td>
<td>1255</td>
<td>J. C. H.</td>
<td>Before After verification and Review</td>
</tr>
<tr>
<td>2-26-48</td>
<td>1256</td>
<td>J. H. Benet</td>
<td>Before After verification and Review</td>
</tr>
</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-5857

Field Inspection and Detailing.

These were generally satisfactory. Some changes in details were necessary during the review, principally in the islands and shoreline of Coral Creek.

Comparison with Previous Surveys.

T-5857 supersedes those sections of the following older surveys which it covers:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-853</td>
<td>1:20,000</td>
<td>1860</td>
</tr>
<tr>
<td>T-1518b</td>
<td>1:20,000</td>
<td>1883</td>
</tr>
</tbody>
</table>

There have been so many changes in the area that only a general comparison with the older surveys could be made.

Comparison with Chart 1255.

T-5857 was applied to chart 1255. There is some confusion of dates and it is not known definitely whether this application was made just before or just after review. In any case, changes made by the review are shown in red on the manuscript and the only changes of consequence to the chart are in Coral Creek.

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:

[Signatures]

Technical Assistant to the
Chief, Div. of Photogrammetry

Chief, Nautical Chart Br.
Division of Charts

Acting
Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys