
Form 804
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey  Topographic
Field No.  Ph-35A(48)  Office No.  T-9310

LOCALITY
State  Florida
General locality  Tomatoman River
Locality  Durbin

1949-52

CHIEF OF PARTY
H.F. Garber, Chief of Field Party
J.E. Waugh, Tampa Photo. Office

LIBRARY & ARCHIVES
DATE  December 17, 1959
DATA RECORD

T-9310

Project No. (II): Ph-35A (48) Quadrangle Name (IV):

Field Office (II): Manteo, North Carolina Chief of Party: Harry F. Garber

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

Instructions dated (III): 30 December 1949 Supplemental No. 1 8 March 1950

Copy filed in Division of Photogrammetry (IV)

Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): APR 28 1952

Date reported to Nautical Chart Branch (IV): MAY 9 1952

Applied to Chart No. Date: Date registered (IV): 3/20/58

Publication Scale (IV):

Geographic Datum (III): N. A. 1927 Publication date (IV):

Vertical Datum (III): MSL

Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (1) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): DURBIN, 1933

Lat.: 30° 05' 17.865 (611.7m) Long.: 81° 27' 47.112 (1261.6m) Adjusted

Plane Coordinates (IV):

Y= State: Zone:

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
All Contouring done by
Walter P. Massie
Cartographic Survey Aid

Areas contoured by various personnel
(Show name within area)
(ii) (MM)
DATA RECORD

Field Inspection by (II): Walter P. Massie, Cartographic Survey Aid
Date: January 1950
April 1950

Planetable contouring by (II): Walter P. Massie, Cartographic Survey Aid
Date: January 1950
April 1950

Completion Surveys by (III): James E. Hundle
Date: 8 July, 1952

Mean High Water Location (III) (State date and method of location):
Air-Photo Compilation
Identified on photographs taken 1949

Projection and Grids ruled by (IV): T. L. J. (W.O.)
Date: 10 October 1950

Projection and Grids checked by (IV): H. W. D. (W.O.)
Date: 12 October 1950

Control plotted by (III): I. I. Saperstein
Date: 19 October 1950

Control checked by (III): R. J. Pate
Date: 13 November 1950

Radial Plot on Stereoscopic
Control-extension by (III): M. M. Slavney
Date: 18 December 1950

Stereoscopic Instrument compilation (III): Planimetry Inapplicable
Contours

Manuscript delineated by (III): C. J. Downing
Date: 28 August 1951

Photogrammetric Office Review by (III): R. R. Wagner
Date: 25 February 1952

Elevations on Manuscript
checked by (II) (III): R. R. Wagner
Date: 25 February 1952
Camera (kind or source) (III): Fairchild Cartographic - 6" Metrogon lens, Camera "0"

PHOTOGRAPHS (III)

<table>
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<tr>
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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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</thead>
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<td>49-0-245</td>
<td>Apr. 16, 1949</td>
<td>10:29</td>
<td>1:20,000</td>
<td>Inshore photo</td>
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<tr>
<td>246</td>
<td></td>
<td>10:30</td>
<td></td>
<td></td>
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<tr>
<td>247</td>
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<td>248</td>
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<td>10:31</td>
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<td>231</td>
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<td>10:12</td>
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<td>10:13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>233</td>
<td></td>
<td>10:13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: No periodic tide
Subordinate Station: 
Subordinate Station: 

Washington Office Review by (IV): Everett H. Ramsey
Final Drafting by (IV): A.P. Berry
Drafting verified for reproduction by (IV): W.M. Hallam

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 64
Shoreline (More than 200 meters to opposite shore) (III): 1
Shoreline (Less than 200 meters to opposite shore) (III): none
Control Leveling - Miles (II): 39.2
Number of Triangulation Stations searched for (II): 20
Number of BMs searched for (II): 19
Number of Recoverable Photo Stations established (III): 11
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

Form T-Page 4
Photogrammetric Plot Report

This report which covers all surveys of Project Ph-35(48), Parts A & B, is filed as part of Descriptive Report T-9101.
<table>
<thead>
<tr>
<th>STATION</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE TO GRID OR PROJECTION LINE</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE TO GRID OR PROJECTION LINE</th>
<th>RECOVERED IN DETAILED CONDITION</th>
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</thead>
<tbody>
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<td>E25, 1934</td>
<td>2,105.04.05</td>
<td>504</td>
<td>5.045504.47</td>
<td>2,105.04.05</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
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<td>E27, 1934</td>
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<td>5.045504.47</td>
<td>2,098.617.26</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
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<tr>
<td>E28, 1934</td>
<td>2,096.824.74</td>
<td>504</td>
<td>5.045504.47</td>
<td>2,096.824.74</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
</tr>
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<td>E29, 1934</td>
<td>2,094.875.18</td>
<td>504</td>
<td>5.045504.47</td>
<td>2,094.875.18</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
</tr>
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<td>E20, 1934</td>
<td>2,093.224.39</td>
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<td>5.045504.47</td>
<td>2,093.224.39</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
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<td>E21, 1934</td>
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<td>2,091.683.17</td>
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<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
</tr>
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<td>E22, 1934</td>
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<td>504</td>
<td>5.045504.47</td>
<td>2,089.800.75</td>
<td>504</td>
<td>5.045504.47</td>
<td>Recovered in detailed condition</td>
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</table>
### Station Data

<table>
<thead>
<tr>
<th>Station</th>
<th>Source of Information</th>
<th>Datum</th>
<th>Latitude or u-coordinate</th>
<th>Longitude or x-coordinate</th>
<th>Distance from Grid in Feet or Projection Line in Meters</th>
<th>Datum Correction</th>
<th>N.A. 1927 - Datum from Grid or Projection Line in Meters</th>
<th>Factor Distance from Grid or Projection Line in Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>KELLICY, 1933</td>
<td>G, Ps. 4</td>
<td>N.A. 1927</td>
<td>29 55</td>
<td>05 032</td>
<td>29 24</td>
<td>54 866</td>
<td>1,471.8 (137.7)</td>
<td>154.9 (1,692.5)</td>
</tr>
<tr>
<td>DURBIN, 1933</td>
<td>&quot;</td>
<td>&quot;</td>
<td>30 05</td>
<td>19 865</td>
<td>30 27</td>
<td>47 112</td>
<td>1,261.6 (345.1)</td>
<td>611.7 (1,235.8)</td>
</tr>
<tr>
<td>SAMPSON, 1933</td>
<td>&quot;</td>
<td>&quot;</td>
<td>29 59</td>
<td>16 024</td>
<td>29 26</td>
<td>30 792</td>
<td>825.4 (782.9)</td>
<td>493.4 (1,354.1)</td>
</tr>
<tr>
<td>PRM, TRAV. STA. NO. 3K, 1917 (USGS)</td>
<td>U.S.G.S. No. AMERICAN</td>
<td>30 00</td>
<td>45.3</td>
<td>1,395 (453)</td>
<td>922 (686)</td>
<td>-5m</td>
<td>1,390 (458)</td>
<td>Recovered in disturbed condition</td>
</tr>
<tr>
<td>BENCH MARK M 8, 1917 (USGS)</td>
<td>&quot;</td>
<td>30 06</td>
<td>52.0</td>
<td>1,601 (246)</td>
<td>665 (961)</td>
<td>-6m</td>
<td>1,596 (251)</td>
<td></td>
</tr>
<tr>
<td>BM 0-3, 1917 (USGS)</td>
<td>&quot;</td>
<td>30 02</td>
<td>33.9</td>
<td>1,044 (804)</td>
<td>367 (1,240)</td>
<td>-6m</td>
<td>1,039 (809)</td>
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</tr>
<tr>
<td>AJ 11, 1934 (Fla. Geod. Surv.)</td>
<td>Duval Co. Sta. Desc. 1927</td>
<td>2,106 654.81</td>
<td>6,654.81</td>
<td>3,945.19</td>
<td></td>
<td>2,9385 on T-9305</td>
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<td></td>
</tr>
<tr>
<td>AJ 12, 1934 (Fla. Geod. Surv.)</td>
<td>&quot;</td>
<td>2,101 204.59</td>
<td>1,204.59</td>
<td>8,795.41</td>
<td>345,592.54</td>
<td>5,592.54</td>
<td>4,070.46</td>
<td></td>
</tr>
<tr>
<td>BP 109, 1935 (Fla. Geod. Surv.)</td>
<td>&quot;</td>
<td>2,041 971.30</td>
<td>1,971.30</td>
<td>8,028.70</td>
<td>355,548.78</td>
<td>6,548.78</td>
<td>3,451.22</td>
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</tr>
<tr>
<td>BP 112, 1935 (Fla. Geod. Surv.)</td>
<td>&quot;</td>
<td>2,033 813.60</td>
<td>3,813.60</td>
<td>6,186.40</td>
<td>366,105.89</td>
<td>6,105.89</td>
<td>3,894.11</td>
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<tr>
<td>E 24, 1935 (Fla. Geod. Surv.)</td>
<td>&quot;</td>
<td>2,105 356.07</td>
<td>5,356.07</td>
<td>4,643.93</td>
<td>374,375.08</td>
<td>4,375.08</td>
<td>5,624.92</td>
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</table>

1 ft. = 0.3048006 meter

Computed by: I. L. Saperstein
Date: 12 July 1950

Checked by: R. A. Reese
Date: 4 August 1950
FIELD INSPECTION REPORT
QUADRANGLE T-9310
30-00-00/81-22-30
Project Ph-35A (48)

Harry F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with Instructions dated 30 December 1949 (Project Ph-35 (48), under the direction of Joseph K. Wilson, Supervisor. Field work in addition to those phases listed on pages 2 and 3 was done by the following personnel:

<table>
<thead>
<tr>
<th>NAME AND TITLE</th>
<th>PHASE</th>
<th>DATE</th>
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<tbody>
<tr>
<td>Henry R. Spies</td>
<td>Horizontal Control</td>
<td>15 February 1950</td>
</tr>
<tr>
<td>Cartographic Survey Aid</td>
<td>Recovery</td>
<td>15 March 1950</td>
</tr>
</tbody>
</table>

This report is written in accordance with Paragraph 724 of the Preliminary Edition of the Topographic Manual dated June 1949.

2. AREAL FIELD INSPECTION

This quadrangle lies in the northeastern portion of St. Johns County and in the southeast portion of Duval County.

Durbin is the only settlement within the area. It is located on U. S. Highway No. 1 in the northwestern portion of the quadrangle.

The area is traversed by one Federal Highway and one State Highway. U. S. Highway No. 1 runs in a northwest-southeast direction through the entire quadrangle. Florida State Highway No. 210 links U. S. Highway No. 1 with Florida State Highway A1A. There are three county roads leading west from U. S. Highway No. 1 which link U. S. Highway No. 1 and Florida State Highway No. 13.

The Florida East Coast Railroad, consisting of two tracks, parallels U. S. Highway No. 1 through the quadrangle. No railroad stations exist.

U. S. Highway No. 1 was under construction during field inspection. It is to be widened and is called to the attention of the field editor.

The raising of cattle is the chief industry, while lumbering and turpentining are carried on in a small scale. There is little cultivating within the quadrangle.
The vegetation consists of cypress swamps, palmetto, pine and scrub oak.

No difficulty was encountered in the interpretation of the photographs. The light grey tones denote palmetto. The areas of dark grey tones are swamp and the spotted grey tones are mixed palmetto and pines.

The field inspection is believed to be complete, except for the road mentioned in the preceding paragraph.

3. HORIZONTAL CONTROL

(a) No supplemental control was established.

(b) All stations are on the NA 1927 datum.

(c) Stations not established by the USC&GS are:

<table>
<thead>
<tr>
<th>STATION</th>
<th>AGENCY</th>
<th>ORDER</th>
<th>DATUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>USGS BM M8</td>
<td>USGS, 1917</td>
<td>Third</td>
<td>NA 1927</td>
</tr>
<tr>
<td>USGS BM 03</td>
<td>USGS, 1917</td>
<td>Third</td>
<td>NA 1927</td>
</tr>
<tr>
<td>AJ 11</td>
<td>FLORIDA GEOLOGIC SURVEY, 1934</td>
<td>Third</td>
<td>NA 1927</td>
</tr>
<tr>
<td>AJ 12</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>E 24</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>E 25</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>E 26</td>
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<tr>
<td>E 27</td>
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<td>&quot;</td>
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</tr>
<tr>
<td>E 28</td>
<td>&quot;</td>
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</tr>
<tr>
<td>E 29</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>E 30</td>
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<td>&quot;</td>
</tr>
<tr>
<td>TTT-7</td>
<td>USE, 1947</td>
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<td>&quot;</td>
</tr>
</tbody>
</table>

PRIMARY TRAVERSE STATION NO. 3K,
U. S. GEOLOGICAL SURVEY, 1917

AJ-13 Recovered during Field Edit. E112

(d) A search was made for all known control. Stations reported as "lost" or "not recovered" are:

BEACON M-A, 1933
AJ-14 & AJ-15 reported lost by Field Edit. E112

Three stations which are located south of the quadrangle limits were identified to control the radial plot. The stations are:

SAMPSON, 1933
ELLZEE, 1933
BP 108 (FLA. GEOD. SUR.), 1935
A. VERTICAL CONTROL

(a) A search was made for all known vertical control. Bench Marks in the Quadrangle are:

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<tr>
<th>NAME</th>
<th>AGENCY</th>
<th>ORDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>M3</td>
<td>U. S. COAST &amp; GEODETIC SURVEY</td>
<td>First</td>
</tr>
<tr>
<td>N3</td>
<td>U. S. GEODETIC SURVEY</td>
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</tr>
<tr>
<td>O3</td>
<td>U. S. GEODETIC SURVEY</td>
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</tr>
<tr>
<td>F3</td>
<td>U. S. GEODETIC SURVEY</td>
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</tr>
<tr>
<td></td>
<td>PRIMARY TRAVERSE STATION NO. 3K</td>
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<td></td>
<td>U. S. GEOLOGICAL SURVEY</td>
<td>Third</td>
</tr>
<tr>
<td>A11</td>
<td>FLORIDA GEODETIC SURVEY</td>
<td></td>
</tr>
<tr>
<td>A12</td>
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<td>E24</td>
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</tr>
<tr>
<td>E30</td>
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<td></td>
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</tbody>
</table>

(b) 39.2 miles of fly levels were run, beginning and closing at bench marks. The highest closure on any line was 0.38 foot.

(c) The first and last fly level points were 10-1 and 10-52.

(d) Inapplicable

5. CONTOURS AND DRAINAGE

The contouring was done by planetable methods directly on single lens photographs, (1:20000 scale), at a contour interval of five (5) feet.

The natural drainage is by Durbin Creek in the western and north central portion, and by the Intracoastal Waterway in the eastern section.

A large portion of the quadrangle is very flat and contains numerous isolated cypress swamps and intermittent ponds. The natural drainage for these areas is by seepage. The highest natural elevation within the quadrangle is 69 feet, which is located in the northwestern part.
6. **WOODLAND COVER**

The cover was classified in accordance with Paragraph 5433 of the Preliminary Edition of the Topographic Manual dated June 1949. See §58

7. **SHORELINE AND ALONGSHORE FEATURES**

(a) Only a very small portion of the Intracoastal Waterway falls within the limits of the quadrangle. The banks of the Waterway have undergone no changes since photography. Appropriate symbols delineating the shoreline have been indicated on the photographs.

(b) The mean tide in this portion of the Intracoastal Waterway is about 2 feet. The mean high water line coincides with the mean low water line.

(c) There is no foreshore.

(d) There are no bluffs.

Along the western shore of the Intracoastal Waterway there are a series of spoil banks ranging in width up to 350 feet and in length up to 700 feet. The elevations vary from 4 to 11 feet.

8. **OFFSHORE FEATURES**

Inapplicable.

9. **LANDMARKS AND AIDS**

(a) One landmark (Durbin Fire Lookout Tower) is recommended on Form 567 for charting.

(b) There are no aeronautical aids within the quadrangle.

(c) There are no fixed aids to navigation within the quadrangle. See §37

10. **BOUNDARIES, MONUMENTS AND LINES**

These are covered in a "Special Boundary Report" which will be submitted at a later date by Leo F. Beugnet, Cartographic Survey Aid.\* by Joseph K. Wilson, April 1951, filed in Div. of Photogrammetry under project number.

Nine section corners were recovered and identified on the photographs. Four section corners were located along the Duval-St. Johns County line. One Grant corner was recovered and identified on the photograph. See §56

This quadrangle falls within Commissioner's District No. 1 and No. 2 in St. Johns County and in Commissioner's District No. 5 in Duval County.
11. OTHER CONTROL

Recoverable Topographic Stations established are:

DURBIN FIRE LOOKOUT TOWER

SECTION CORNER 36/31 T43S-T53S-R28E-R29E
   1/6

SECTION CORNER 29/28 T53S-R28E
   32/33

SECTION CORNER 1/6 T5S-R28E-R29E
   12/7

SECTION CORNER 25/30 T43S-R28E-R29E
   36/31

SECTION CORNER 32/33 T55S-T65S-R28E
   574

SECTION CORNER 35/36 T48S-T58S-R28E
   21

SECTION CORNER 11/12 T5S-R28E
   14/13

SECTION CORNER 22/23 T4S-T5S-R28E
   574

SECTION CORNER 9/10 T5S-R28E
   16/15

12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with Paragraph 5441 and 5446 of the Preliminary Edition of the Topographic Manual dated June 1949.

There are no bridges, cables over navigable waters, airports or landing fields within the quadrangle limits.

13. GEOGRAPHIC NAMES

This is the subject of a Special Report which will be submitted at a later date by Joseph K. Wilson, Cartographer. Filed in Geographic Names Section, Div. of Charts.
14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Except as noted in Paragraphs 10 and 13 there are no special data for this quadrangle.

15 May 1950
Submitted by:

Walter F. Massie
Cartographic Survey Aid

Approved and forwarded
May 1950

Harry M. Garber
Chief of Party
COMPILATION REPORT T-9310

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9101.

31. Delineation.

Compiled by graphic method.

32. Control.

Horizontal control was satisfactory. Identification, placement and density were good.

33. Supplemental Data.

None used. GLO plots for land lines. CHK

34. Contours and Drainage.

No difficulties were encountered. See §53

35. Shoreline and Alongshore Details.

Shoreline inspection was adequate.

There are no low-water or shoal lines shown. See Item 7(b).

36. Offshore Details.

No statement.

37. Landmarks and Aids.

Contrary to Item 9(d), there is one Non-floating Aid to Navigation - TOLOMATO RIVER DAYBEACON NO. 77.
38. CONTROL FOR FUTURE SURVEYS.

Eleven (11) cards, Form 524, are being submitted. There are no stations listed that would be useful to the hydrographer.

39. JUNCTIONS.

Junction with T-9306 to the north - (agreement).
Junction with T-9311 to the east - (agreement).
Junction with T-9309 to the west - (agreement).
Junction was not made with USGS QUADRANGLE, ST. AUGUSTINE, 1943, 1:62,500, to the south. Compilation was carried south of the next line.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement. See §53

41. PUBLIC LAND LINES.

Very little difficulty was encountered in construction of lines in Range 28 East. All of Range 29 East should be carefully checked by the field editor. See §56

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with USGS Quadrangle PALM VALLEY, scale 1:62,500, dated 1943. The two are in fair agreement. See §63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Intracoastal Waterway Chart 842, scale 1:40,000, dated July 1944, corrected to 20 November 1950. The two are in fair agreement. See §65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None

ITEMS TO BE CARRIED FORWARD.

None.

APPROVED ANDFORWARDED:

C. J. Downing, Carto. Photo. Aid

for J. E. Waugh, Chief of Party
48. GEORGIC NAME LIST.

**CABBAGE SWAMP**

**COMMISSIONERS DISTRICT**

1 (ST. JOHNS CO.)

2 (ST. JOHN'S)

4 (DUVAL CO.)

**DRI SWAMP**

**DURBIN**

**DURBIN CREEK**

**DUVAL COUNTY**

**FLORIDA**

**FLORIDA EAST COAST R. R.**

**HILDEN**

**INTRACOASTAL WATERWAY**

**NINE MILE ROAD**

**Palm Valley Road**

**RAGGED ISLAND**

**SAMPSON CREEK**

**SCRUB RIDGE**

**SMITH CREEK**

**SNOWDEN BAY**

**ST. JOHNS COUNTY**

**STATE 210**

**SWEETWATER CREEK**

**TOMATO RIVER**

**TWELVE MILE SWAMP**

**U. S. HWY. NO. 1**

**PUBLIC LAND GRANTS**

**ARNAU**

**ARNKEL, CLARA P.**

**ARNKEL, JAMES**

Names underlined in red are approved on basis Project Names Report 5-8-52

M. Heck
48. PUBLIC LAND GRANTS (CONTINUED)

BUSHNELL, E.

CAPO, LORENZO (2 grants)

CHARLES, REUBEN

CLARKE, CHARLES AND GEORGE

CLARKE, GEORGE I. F. (2 grants)

COCIFACIO, PEDRO

FATIO, F. J.

GAY, ANTELM

GINOPLY, E.

GINOPLY, GEORGE

GINOPLY, JOHN

INGERSOLL, S. M.

KINGSLEY, ZEPHANIAH (2 grants)

LEONARDI, ROQUE

MARANDA, PEDRO

MARSHALL, THERESA

MEDICIS, F. AND HEIRS OF J. SALON

MILES, FRANCIS

MINCHIN, CHRISTOPHER

MIRANDA, PEDRO

MESTRE', PEDRO

PAMES, G. AND O.

PAREDES, J.

PEAVETT, JOS.

SARATE, PABLO

SANCHEZ, F. P.

SMITH, HANNAH

TRAVERS, WILLIAM (2 grants)

YONGE, PHILIP R.
49. NOTES FOR THE HYDROGRAPHER.

There are no stations that could be used by the hydrographer.
51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work was started 15 May 1952 and completed 6 June 1952.

Field edit data, additions, corrections and deletions are shown on the discrepancy prints, field edit sheet and photographs 49-0-246 and 248.

The reviewer's questions are answered on the discrepancy prints, field edit sheet and in this report.

A legend appears on the field edit sheet which is self-explanatory.

52. ADEQUACY OF COMPILATION

The map compilation, in general, was adequate and will be complete after field edit data have been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring, in general, is adequate.

Contour corrections were made throughout the area. The majority of these corrections were made to improve topographic expression. (Note: A sufficient number of spot elevations were taken.)

See photograph 49-0-246 for correct placement of contours crossing U. S. Highway No. 1 and Florida East Coast Railroad near Durbin community. It is very difficult, at best, to show these contours in their proper place at this small scale.

54. RECOMMENDATIONS

None.
55. EXAMINATION OF PROOF COPY

It is believed that Mr. Sam W. Fayer, registered land surveyor, of Palm Valley, Florida, is best-qualified to examine a proof copy of this work.

Ref: to Item 12 - Field Inspection Report

The names "BIG ISLAND and BIG ISLAND SWAMP" were confirmed by information obtained from local inhabitants and have been properly placed on the field edit sheet.

56. PUBLIC LAND LINES

Ref: to Item 41 - Compilation Report

Numerous additional monumented corners, theoretical corners and points on line were recovered, or constructed, and plotted on the field edit sheet.

The location of Section Corner 12 + 6, T-5-S, R28, 29E was checked and found to be correct as indicated.

It is believed that the southwest corner of the Christopher Minchin Grant, previously located on the chart, is actually a common point to the following,

```
Sec. 33 34
  ____________
  Grant:

Sec. 43
```

since no other monument of any description was found in this vicinity.

X Not in conformity with G.L.O. plats. [Note: Actually of Grant]

There were a few monumented corners recovered and plotted on the field edit sheet that do not fall in the same pattern as indicated by the G.L.O. plats.

57. OTHER INTERIOR FEATURES

Ref: to Item 12 - Field Inspection Report.

One new road (Rd. 7) has been shown on the field edit sheet.

The reclassification of roads has been made where justifiable.

58. WOODLAND COVER

Ref: to Item 6 - Field Inspection Report.

The reclassification of woodland cover, where justifiable, has been indicated in scattered areas throughout the quadrangle.

The area commonly called "Cabbage Swamp" is not swampland. It does consist of a few small scattered areas of swamp vegetation, but, pine and cabbage palm trees predominate and seasonally it is partially wet.
59. JUNCTIONS

Satisfactory junctions have been made with T-9306 to the north and T-9309 to the west. The junction with T-9311 to the east will be made in the Tampa Office. There is no contemporary survey to the south.

17 June 1952
Submitted by:

[Signature]

James E. Hundleby
Cartographer

8 July 1952
Approved by:

[Signature]

Paul Taylor
Lt. Comdr., USCG
Chief of Party
PHOTOGRAMMETRIC OFFICE REVIEW
T-9310

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size  

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points  

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline  
13. Low-water line  
14. Rocks, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features  

PHYSICAL FEATURES

20. Water features  
21. Natural ground cover  
22. Planetary contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features  

CULTURAL FEATURES

27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features  

BOUNDARIES

31. Boundary lines  
32. Public land lines  

MISCELLANEOUS

33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  

40.  
41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

43. Remarks:

Signature:  
Signature: 

Date:  
Date: 

Remarks:
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Charles J. Lowing

J. B. Waugh
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>--------</td>
<td>---------</td>
</tr>
<tr>
<td>Tolomato River Daybeacon 77</td>
<td></td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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.

* TABULATE SECONDS AND METERS
I recommend that the following objects which have been inspected to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

Charles J. Downing

J. E. Vaughan

Chief of Party.

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLORIDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>TOWER</td>
<td>CUSBIN FIRE LOOKOUT, Skeleton steel lookout tower, ht = 103 (163)</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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.
Review Report
Topographic Map T-9310
9 November 1953

62. Comparison with Registered Topographic Surveys.-

T-784 1:20,000 1860-61

Survey T-9310 is to supersede this survey for nautical charting purposes for common areas.

63. Comparison with maps of other agencies.-

Palm Valley, Florida (USGS) 1:62,500 1918
Many cultural changes since this map was published.
Map T-9310 shows contours in more detail that this map does.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

842 1:40,000 1952 corr. to 53 7/20

Tolomato River Daybeacon 77, positioned by this survey, has been discontinued. It is not shown on the above chart.

66. Adequacy of Results and Future Surveys.- This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Land lines.- Because of insufficient recovery or discrepancies with the GLO plats, many section and grant lines are shown as unreliable on the map manuscript.

Reviewed by:

[Signature]

for Everett H. Ramey

APPROVED

[Signature]

Le Lande
Chief, Review Branch
Div. of Photogrammetry

[Signature]

Mayولا،ه. مكثلا
Chief, Nautical Chart Branch
Div. of Charts

Chief, Div. of Photogrammetry

[Signature]

J. Bowie
Chief, Div. of Coastal Surveys
History of Hydrographic Information

for map T-9310

Hydrography was added to the map manuscript in accordance with the general specifications of 18 May 1949. It includes only channel information and was taken from Nautical Chart 642, 1:40,000, 1952 corrected to 53-7/20.

Compiled by Everett H. Ramsey, 26 February 1954 and verified by O. Svendsen, 9 March 1954.

Everett H. Ramsey
# Nautical Charts Branch

**Survey No. T-9310**

Record of Application to Charts

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>7/17-52</td>
<td>842</td>
<td>H. W. B.</td>
<td>Before Verification and Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examin’d - No revisions</td>
</tr>
<tr>
<td>7-7-60</td>
<td>842</td>
<td>R. E. Ennis</td>
<td>Before, After Verification and Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Topo Revised - Fully Official</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.