DESCRIPTIVE REPORT

Topographic

State: FLORIDA

Locality

St. Johns River

Picolata - West Tacoi

Photographs - Feb. & Mar. 1935

1939

Chief of Party

Bailly J. Sipe
Applied to chart #685. May 1940. L.A. Wells.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No...16

REGISTER NO. T-5237

T5237

State........................................Florida

General locality...............St. Johns River

Locality..........................Picolata—West Tasse

Scale...1:10,204........Date of Survey........Feb. & Mar. 1935

Vessel...............Air Photographic Party No. 2-A

Chief of party...............Riley W. Sipa

Surveyed by...............See notes on compilation

Inked by..............................

Heights in feet above........to ground to tops of trees

Contour, Approximate contour, Form line interval........feet

Instructions dated........March 4, 1935

Remarks:...............U.S. Army Air Corps Five Lens Camera No. 32-2

...................Field Inspection. June, 1935 & June, 1939
TIME SHEET

Field Sheet No. 16
Register No. T-5237

Radial plot completed and detail transferred before
time records were kept.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours</th>
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<tr>
<td>Detailing roads, bldgs., fences, trails, etc.</td>
<td>141</td>
</tr>
<tr>
<td>Detailing symbols</td>
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<td>Field Inspection, 1939</td>
<td>35</td>
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<td>Overlay sheet</td>
<td>18</td>
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<tr>
<td>Report</td>
<td>30</td>
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<td>Field review of sheet</td>
<td>42</td>
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<td><strong>Total</strong></td>
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NOTES ON COMPILATION

Sheet No. 16 (Field)
Register No. T-5217

PHOTOGRAPHS:
5 Lens - Flight No. 5 No. 145 to 148 inc. Acc. 983
5 " = " " " 9 " 149 " 493 " Acc. 938
5 " = " " " 10 " 494 " 506 " Acc. 937
5 " = " " " 14 " 575 " 593 " Acc. 943

SCALE PLOT BY: H. A. Paton
SCALE FACTOR USED: 0.93

PROJECTION BY: Washington Office

CONTROL PLOTTED BY: Hubert A. Paton
CONTROL CHECKED BY: Hubert A. Paton

SMOOTH RADIAL PLOT BY: Hubert A. Paton

TOPOGRAPHY TRANSFERRED BY: J. A. Giles
TOPOGRAPHY CHECKED BY: R. J. Sipe

SHORELINE INKED BY: Henry Mach

DETAILED INKED BY: Henry Mach

OVERLAY SHEET BY: Henry Mach

DESCRIPTIVE REPORT BY: Henry Mach

REVIEWED BY: J. A. Giles - R. J. Sipe

AREA OF DETAIL INKED: 24.6 Sq. St. Miles

LENGTH OF SHORELINE (Over 200 m): 12.6 Statute Miles

LENGTH OF SHORELINE (Under 200 m): 6.3 Statute Miles

LENGTH OF SHORELINE OF SMALL LAKES: 4.0 Statute Miles

Ref. Sta: - Linc, 1935 29-5-2 - 46.052 (145.0) (adjusted)
81-37 - 08.113 (217.4) (adjusted)

x = 303,847.64
y = 2,016,538.30
Date of Survey

Photographs taken February and March 1935.

Graphic Control Surveys made in 1935 (exact date not known)

Field inspection in June 1935 and June 1939.

Details on T-5237 are of the date of the photographs. The field inspection indicated no changes since the photographs were taken.
DESCRUCTIVE REPORT

Field Sheet No. 16
Register No. T-5237

September 29, 1939.

CONTROL.
A total of 11 Triangulation Stations established by this party in 1935, 22 Florida Mapping Project Traverse Stations and 4 described H & T Stations were used for control on this drawing. Two of the Triangulation Stations and two of the Traverse Stations fell outside of the tracing limits.
Parts of shoreline, piles, piers, etc., were transferred from G. C. Sheets "FF" & "GG".

FIELD INSPECTION.
The field inspection was made during June 1935 and additional inspection was made during June 1939.

COMPARISON WITH GRAPHIC CONTROL SHEETS.
The shoreline as shown on this map drawing does not agree with the shoreline as shown on the G. C. Sheets, "FF" & "GG". These variations are due to the shoreline interpretations along swamplike areas. The shoreline as interpreted from the Photographs has been shown.
The descriptions of several of the H & T Stations and of several Triangulation Stations do not check the shoreline as shown. The stations and differences are as follows:
"Dale, 1935" – The distance from the station to the shoreline should be 3 meters according to the original description. G. C. Sheet "GG" makes the distance 2.5 meters. As the photographs at this point closely follow the G. C. Sheet shoreline it has been accepted as correct.
"Point (a)" – The original description puts this station 5 meters offshore. According to G. C. Sheet "GG" the distance should be about 15 meters. As the photographs follow the G. C. Sheet shoreline at this point the G. C. Sheet shoreline has been accepted as correct.
"Creek, 1935" – The original gives the distance to high water as 8 meters. As the photographs are clear at this point the shoreline has been shown about 15 meters from the station.
"Water 2, 1935" – The original description gives distance to highwater as 14.7 meters. The G. C. Sheet shows the distance to be between 2 to 3 meters. The photographs agree with the distance as shown on the G. C. Sheet.
"Straight 2, 1935" – The original description gives distance to high water as 14 meters. The G. C. Sheet and the photographs show it to be about 5 meters.
"Plata (4)" - The G. C. Sheet shows this station about 5 meters from the shoreline while the original description gives 2½ meters. As the G. C. Sheet shoreline closely follows the shoreline from the photographs it has been accepted as correct.

COMPARISON WITH EARLY C. & G. SURVEYS.

The present shoreline conforms very closely with that shown on U. S. C. & G. Survey, 1878, Register T-1465. Some of the creeks shown on the old survey were not shown on this map drawing as they did not show on the photographs clear enough to trace.

COMPARISON WITH CHART NO. 683.

Due to the large difference in scale an accurate comparison could not be made.

COMPARISON WITH HYDROGRAPHIC SURVEYS.

As copies of hydrographic surveys of this area were not on hand they were not compared.

MISCELLANEOUS.

The photographs covering the area on the east side of the river were taken so far inland that accurate delineation of the east shore of the river could not be effected where trees grew along the water's edge.

The road leading from Eastwick to Green Cove Springs is the only paved road on this sheet. All other first class roads are either shell or graded dirt roads.

PREPARATION FOR INKING.

The sheet was prepared for inking by rubbing the section about to be inked with dry Carbonate of Magnesia.

Respectfully submitted,

Henry Mach

Henry Mach

Forwarded:
<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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<td>BREWERS LANDING</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>498</td>
<td>816</td>
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<tr>
<td>CLARK CREEK</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>499</td>
<td>816</td>
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<tr>
<td>FERREIRA POINT</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
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<td>498</td>
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<td>LENO</td>
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<td>X</td>
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<td>816</td>
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<td>MAGNOLIA LANDING</td>
<td></td>
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<tr>
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<td>298</td>
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<tr>
<td>(Point next north of West Toco)</td>
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<tr>
<td>(Point near West Toco)</td>
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<td>St. Johns River</td>
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<td></td>
<td>298</td>
<td>816</td>
</tr>
</tbody>
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| Date: 11/8/59 |
GEOGRAPHIC NAMES

BREWERS LANDING. A small fishing settlement on the west side of the St. Johns River about one mile and a half north of West Tocoi.

CLARK CREEK. On the west side of the St. Johns River about one and a half miles below the northern limits of the drawing. The exact course of this creek could not be traced and it is shown as possible drainage.

FERREIRA POINT. The point on the east side of the St. Johns River at H & T Station "Plato".

LANES LANDING. A fishing camp on the south side of Tocoi Creek just east of Triangulation Station "Creek 1935".

LENO. This name appears on the Clay County Map. It is located near the west side of this drawing where the ACL Railroad crosses the abandoned R.R. bed.

MAGNOLIA LANDING A landing on the east side of the St. Johns River half way between Picolata and Watson Island.

MAGNOLIA POINT. A swampy point on the north side of Tocoi Creek just south of H & T Station "Puta".

PICOLATA. A community on the east side of the St. Johns River near the north edge of the sheet.

SILANO COVE. The cove just south of Ferreira Point on the east side of the St. Johns River.

SILANO POINT. The point shown on Chart No. 683 as Tocoi Point. Station "Water 1935" is located on this point. Tocoi Point should be deleted and shown south of Tocoi Creek. See report for G. C. Sheet "HH" & "GG".

TOCOI CREEK. A creek on the east side of the St. Johns River near the south edge of this drawing.
WATSON ISLAND.

On the east side of the St. Johns River at Triangulation Station "Straight 2, 1935". On topographic sheet of 1873, Register T-1465, this is shown as Watson Grove. Watson Island is used locally and it is so called due to the small streams and swampy areas extending around it.

WEST TOCOI.

A community on the west shore of the St. Johns River near the south edge of this drawing.
DIVISION OF CHARTS
Section of Field Records
REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5237

Comparisons with Graphic Control Surveys.

CS 170 (Air Photo Files) 1:20,000, 1935.
CS 184 (" " " ) 1:10,000, 1935.

No descriptive reports were received with these graphic control surveys. They show only short sections of shoreline and stations for control of hydrography.

All details on the graphic control surveys within the area of T-5237 are shown on T-5237 except:

1. Temporary Stations.
3. Tocci Cut Range Azimuth of 340° 00' listed on CS 184. No statement as to whether the azimuth was computed. Range Lights were located by triangulation.

Previous Topographic Surveys.

T-1465 (1878) 1:20,000.
T-2027 (1875) 1:80,000.

T-5237 supersedes for charting purposes those sections of T-1465 and T-2027 which it covers.

Contemporary Hydrographic Surveys.

H-6297 (1935) 1:20,000.
H-6286 (1935) 1:10,000.

T-5237 was compared with the hydrographic surveys and minor discrepancies adjusted by the hydrographic reviewer prior to this review.

Charts.

T-5237 has been applied to chart 683 prior to this review. No changes have been made in T-5237 since its application to the chart.

Recoverable Topographic Stations.

Descriptions are filed under T-5237.
General.

The descriptive report and compilation of details are complete and the drafting is very good.

Reviewed by - H. D. Reed.

Inspected by - B. G. Jones, July 24, 1940.

Examined and approved:

T. E. Reed,  
Chief, Section of Field Records.  

Chief, Division of Charts.

Raymond L. Gramm,  
Chief, Section of Field Work.  

Chief, Division of H. & T.