

5237

4 cards.

5237

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, Director	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T-5237
State FLORIDA	
LOCALITY	
St. Johns River	
Picolata - West Toca	
Photographs - Feb. & Mar. 1935	
193 9	
CHIEF OF PARTY	
Biley J. Sipe.	

Applied to chart # 685. May 1940. LAmbl.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

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 Toco

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

Vessel Air Photographic Party No. 2-A

Chief of party Riley J. Sipe

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, 19

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.

Detailing roads, bldgs., fences, trails, etc.	141 hrs.
Detailing symbols	161 "
Field Inspection, 1939.	35 "
Overlay sheet	18 "
Report	30 "
Field review of sheet	<u>42 "</u>

Total - - - - - 427 hrs.

NOTES ON COMPILATION

Sheet No. 16 (F1014)

Register No. T-5237

PHOTOGRAPHS:

<u>5</u>	Lens	Flight No.	<u>5</u>	No.	<u>145 to 148 inc.</u>	<u>Acc. 983</u>
<u>5</u>	"	"	<u>9</u>	"	<u>481 " 493 "</u>	<u>Acc. 938</u>
<u>5</u>	"	"	<u>10</u>	"	<u>494 " 506 "</u>	<u>Acc. 939</u>
<u>5</u>	"	"	<u>14</u>	"	<u>575 " 593 "</u>	<u>Acc. 943</u>

SCALE PLOT: H. A. Paton

SCALE FACTOR USED: 0.98

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

DETAIL 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 29-52-46.052 (1418.0) (adjusted)
81-37-08.103 (217.4)

$$x = 303,847.64$$

$$y = 2,016,538.30$$

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.

DESCRIPTIVE 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".

CS 170 ft 173 M

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". *CS 173 M* These variations are due to the shoreline interpretations along swampy 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 shore line 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 8.5 meters. As the photographs at this point closely follow the G. C. Sheet shoreline it has been accepted as correct.

in shore "Putz (d)" - The original description put 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.

Shoreline references have been removed from the form 524 descriptions. The graphic control surveys were made to a scale of 1:20,000 whereas T 5237 is 1:10,000.

"Plata (d)" - 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 waters edge.

The road leading from Bostwick 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: *Ruby J. Sipe*

(2)
This was due to the displacement of the tapes on the photographs. Examination of the photographs and a check against sections of the shoreline shown on the graphic control surveys indicates that shoreline location is within 10 meters with slight loss of small details. Some sections of the east shore are visible on photographs taken from the opposite shore. BGG 10/21/39

GEOGRAPHIC NAMES

Survey No. T-5237

GEOGRAPHIC NAMES											
Survey No. T-5237											
Name on Survey	<div>On Chart No. 683</div> <div>On previous survey No. T-1465</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>										
	A.	B.	C.	D.	E.	F.	G.	H.	K.		
✓ BREWERS LANDING				X				298	816	1	
✓ CLARK CREEK	X	X			X			298	816	2	
✓ FERREIRA POINT				X				298	815	3	
✓ LANES LANDING				X				298	815	4	
✓ LENO					X			298	816	5	
✓ MAGNOLIA LANDING				X				299	815	6	
✓ MAGNOLIA POINT				X				298	815	7	
✓ PICOLATA	X				X			299 X	815	8	
✓ SILANO COVE				X				298	815	9	
✓ SILANO POINT	X			X				298	815	10	
✓ TOCOI CREEK	X	X						298	815	11	
✓ WATSON ISLAND				X				298	815	12	
✓ WEST TOCOI				X	X			298	816	13	
✓ Willis Pt								298	816	14	
(Point next north of West Toco)										15	
(= Pastime 2, 19352)										16	
St. Johns River								U. S. G. B.		17	
										18	
										19	
										20	
										21	
										22	
										23	
										24	
										25	
										26	
										27	

M 234 YR

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 Tocoí.

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 Tocoí 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 Tocoí Creek just south of H & T Station "Putá".

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 Tocoí Point. Station "Water 1935" is located on this point. Tocoí Point should be deleted and shown south of Tocoí Creek. See report for G. C. Sheet "HH". & "GG".

TOCOÍ 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 1878, 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.
2. Magnetic declination.
3. Tocoí 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-6298 (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.

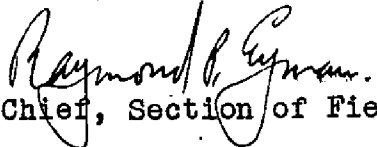
Reviewed by - H. D. Reed.

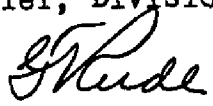
Inspected by - B. G. Jones, July 24, 1940.

Examined and approved:


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


J. S. Bond,
Chief, Division of Charts.


Raymond C. Egan,
Chief, Section of Field Work.


G. H. Hilde,
Chief, Division of H. & T.