

5238

5238

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-5238
State FLORIDA	
LOCALITY	
St. Johns River	
Trout Creek - SIXMILE CREEK	
Photographs Feb. 23 and Mar. 1, 1935	
193	
CHIEF OF PARTY	
Riley J. Sipe	

Applied to Chart comp. 685. October 21, 1940 LAM.

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. 15

T5238

REGISTER NO. **T-5238**

State Florida

General locality St. Johns River

Locality Trout Creek -- Sixmile Creek

Scale Photographs
Date of survey 2/23/35 - 3/1/35, 19

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 seawater to ground to tops of trees

Contour, Approximate contour, Form line intervals seawater feet

Instructions dated March 6, 1935 and June 6, 1939, 19

Remarks: Photographs taken by Army Air Corps with 5 lens Camera.

Sheet rough drafted in field in accordance with instructions of June 6, 1939...

NOTES ON COMPILATION

Sheet No. 15 (Field)

Register No. T-5238

See Page 2 for date of field inspection and supplemental surveys.

PHOTOGRAPHS:

<u>5</u>	Lens	Flight No.	<u>4</u>	No.	<u>119 - 130 incl.</u>
<u>5</u>	"	"	"	<u>5</u>	<u>131 - 144</u>
<u>5</u>	"	"	"	<u>14</u>	<u>573 - 574</u>
	"	"	"		

SCALE PLOT:

H. A. Paton

SCALE FACTOR USED:

0.99

PROJECTION BY:

Washington Office

CONTROL PLOTTED BY:

H. A. Paton

CONTROL CHECKED BY:

F. R. Gossett

SMOOTH RADIAL PLOT BY:

H. A. Paton

TOPOGRAPHY TRANSFERRED BY:

R. H. Young

TOPOGRAPHY CHECKED BY:

R. J. Sipe

SHORELINE INKED BY:

R. H. Young

DETAIL INKED BY:

R. H. Young

OVERLAY SHEET BY:

None

DESCRIPTIVE REPORT BY:

R. H. Young

REVIEWED BY:

R. J. Sipe & H. O. Fortin

AREA OF DETAIL INKED:

13.6 Stat. miles

LENGTH OF SHORELINE (Over 200 m):

10.1 Statute Miles.

LENGTH OF SHORELINE (Under 200 m):

15.5 Statute Miles.

LENGTH OF SHORELINE OF SMALL LAKES:

Statute Miles.

Reference Station:

Trout, 1935 Lat. 29-58-03.909 (120.4) (adjusted)
 Long 81-34-19.882 (399.0)
 $X = 319,257.10$ ft.
 $Y = 2,048,568.16$ ft.

TIME SHEET
Field Sheet No. 15
Register No. T-5238

The shoreline on this sheet was partially inked before
time records were kept. This sheet is also a rough drafted sheet.

Transferring data from other sheets	2	hrs.
Detailing roads, bldgs, fences, trails, etc.,	31	"
Detailing Symbols	23	"
Detailing shoreline	5	"
Field Inspection	19	"
Report (Writing and typing)	24	"
Field review	<u>32</u>	"
Total - - - -	136	"

FIELD INSPECTION AND SUPPLEMENTAL SURVEYS

Details on T-5238 are of the date of the photographs,
February 23 and March 1, 1935, except for the following:

1. Short section of road running north from
Highway 48 at Lat. $29^{\circ} 58.5'$, Long. $81^{\circ} 30.7'$ located
by field inspection in 1935.

DESCRIPTIVE REPORT

Field Sheet No. 15
Register No. T-5238

GENERAL

This map drawing was compiled from air photographs taken by the U. S. Army Air Corps, February 23 and March 1, 1935 using a 5 lens camera No. 32-2, (Type T-3A Air Corps).

This is a rough map drawing compiled according to the Director's instructions of June 6, 1939.

CONTROL

A total of 27 control points were plotted on this map drawing, 14 of which fall within the tracing limits. Of these 14, 7 are triangulation stations established by this party in 1934, 2 are described topographic stations and 1 is an undescribed topographic station established by this party in 1935, the remaining 4 are Florida Mapping Project stations and the year of their establishment is not known. B. P. 98 to B. P. 101

RADIAL PLOT

Radial lines were drawn directly on the sheet and radial points were pricked at the intersection of these radial lines.

The control was adequate for the entire sheet.

The following stations were not used in the plot due to the impossibility of pricking them accurately on the photographs: Trout, 1934; Hogarth, 1934; Patricio 2, 1934.

Signal "Cor" failed to check by 7 meters. This is due to scaling from 20,000 sheet and from the indefiniteness of the point. The position as shown on this map drawing is that scaled from G. C. Sheet FF. The position was not used in the radial plot.

INTERPRETATION OF PHOTOGRAPHS

No difficulty was experienced interpreting the photographs of this area. In general, this is a heavily wooded area and for that reason some houses were not visible on the photographs. Some additional buildings have been erected but none of these are important for charting purposes.

The shoreline and detail in the northwest corner of this map drawing is probably not as accurate as the remainder. Also the triangular shaped tip at the eastern edge is probably in error. The scale of the photographs and the distance from the centers made accurate tracing difficult. However it is believed that no part is in error more than 5 meters.

Trails of no importance, and tractor paths, which appear as trails on the photographs, have been left off this map drawing. Also any buildings which were not clear enough for accurate detailing have been left off the drawing.

FIELD INSPECTION AND SUPPLEMENTAL SURVEYS.

Final field inspection was made in July 1935. No date available for the early field inspection.

The road running north from highway No. 48, marked Rd 1d, is a new road and was located by taking a distance and an angle.

The road to Pacetti Point was invisible under the stereoscope and was sketched on the field prints in the field.

Measurements and notes for the location of the above roads are shown on Field Prints, A-129, Flight No. 4, C-137, C-140 & C-142, Flight No. 5.

GRAPHIC CONTROL SURVEYS

C.S. 170 M

Detail from G. C. Sheet "FF" was transferred to this sheet and found to check very closely with the following exceptions. At the entrance to Six Mile Creek there are two discrepancies of about 10 meters in shoreline. Also around "Sowell, 1934" the shoreline varies about 10 meters. These discrepancies are probably due to to interpretation of the high water line. The detail as shown on this map drawing is believed to be correct.

Piers and pilings not visible on the photographs have been transferred from G. C. Sheet "FF" to this map drawing.

All details on G. C. Sheet "FF", 1935, within the area of this map drawing, are shown except; Magnetic Declination, ~~Asimuth of Ranges~~ and Temporary Stations for the control of hydrography.

Verified during office review
B. J. J.

HYDROGRAPHIC SURVEYS

All hydrography in this area was completed prior to this map drawing and the shoreline has not been transferred to the smooth sheets. A comparison was not made as copies of the hydrographic surveys were not on hand.

COMPARISON WITH EARLY U.S.C. & G. SURVEYS

Shoreline comparison with U.S.C. & G. Survey T-1465 1878, checks very closely with the shoreline on this map drawing. The only noticeable change is a small point shown on the old survey just north of what is now Smith Point, which has apparently been effected by erosion. The new shoreline is now east of the old shoreline about 30 meters.

COMPARISON WITH CHART NO. 683 (38/12/7)

Shoreline comparison with this chart was not attempted due to large differences in scale.

BRIDGES

Two bridges over navigable streams are shown on this map drawing, one over "Trout Creek" and the other over "Six Mile Creek". The bridge data shown for these bridges was taken from the publication "List of Bridges over the Navigable Waters of the U. S., 1935"

The bridge information on the wooden bridge at the southeast side of Coles Cove was obtained in the field by the field party. See C-144, Flight No. 5.

SYMBOLS

No special symbols are used on this sheet. Samples of the various tree growths to be shown on the map drawing are indicated at the east edge of the sheet. A legend sheet showing legend used on this map drawing is attached to this report.

Cypress ponds have been circled and merely labeled "CyP". These ponds are small swampy areas filled with small cypress trees and have been shown on our smooth drawings with the swamp symbol with only cypress trees and without a shoreline.

PREPARATION OF SHEET FOR INKING

The surface of the sheet was washed with soap and water; then rubbed with dry Carbonate of Magnesia before inking. This produced a clean surface and the ink flowed evenly and freely. As this is a rough drawing no attempt was made to obtain uniform lines.

Respectfully submitted,

Robert H. Young
Robert H. Young

Forwarded:

GEOGRAPHIC NAMES

Survey No. T-5238

Name on Survey	A. On Chart No. 683	B. On previous survey No. T-1465	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K.
COLEE				X	X		299 815		1
COLEE COVE	X			X					2
FLORENCE				X				"	3
FLORENCE COVE				X				4	4
FLORENCE LANDING	Not shown on T 5238				X				5
FLORENCE POINT				X				"	6
HOGARTHS LANDING	X	X		X				"	7
JACK WRIGHT ISLAND				X				"	8
LITTLE FLORENCE COVE				X				"	9
MILL CREEK	Not shown on T 5238				X	probably falls off	Need of sheet		10
MILL CREEK			X	X	X		299 815		11
MUD ALLEY								"	12
PACETTI PT	X			X				"	13
PALMO COVE				X				"	14
RONDON'S BRANCH	Not given on T 5238			X					15
SIX MILE CREEK (one word)		X	X	X	X			"	16
SMITH PT	X			X			299 816		17
TROUT CREEK	X	X		X	X		299 815		18
WARDS CREEK				X	X		299 815		19
St. Johns River*								U. S. G. B.	20
(Rufus Gelsey, a resident of this area for 50 years supplied names in local usage.)									21
									22
									23
Names determined in red approved									24
by L. Heck on 10/16/39									25
									26
									27

GEOGRAPHIC NAMES ^{L.H}
10126159.

COLEE.

A small settlement just east of Colee Cove.

COLEE COVE.

A large cove between Triangulation Station "Eliza 2 1934" and "Sowell, 1934". On U. S. C. & G. S. T-1465, 1875, this is shown as "Sowells Cove" but that name is no longer used.

FLORENCE.

A very small settlement on Highway No. 47 north of Florence Cove.

FLORENCE COVE.

A cove just north of triangulation station "Hogarth"

FLORENCE LANDING.

This was an old landing in Little Florence Cove. It is not recommended for charting.

FLORENCE POINT.

The point of land between Florence Cove and Little Florence Cove.

HOGARTHS LANDING.

The landing at Florence Point. This is an old name, not shown on many maps, but it is used locally and recommended.

JACK WRIGHT ISLAND.

The area south of Highway No. 47, lying between Florence Cove and Trout Creek. It is called an island due to a swamp extending between these two bodies of water and the St. Johns River. It is a comparatively new name and is recommended.

LITTLE FLORENCE COVE.

The cove lying between triangulation station "Patricio 2, 1934" and Florence Point.

MILL CREEK.

A small creek running north from Six Mile Creek about $1\frac{1}{2}$ mile from its mouth.

MILLCREEK.

A small settlement shown at about $29^{\circ} 58.5' N$ and longitude $81^{\circ} 30.3' W$ on Soil Map, St Johns County, Fla., 1917 and on Dept. of Agriculture, Sectional Map of Fla., 1938. This is an old name now changed to Elwood which is a small settlement of some 50 tenent shacks occupied by turpentine workers. The settlement is about at Florida Mapping Project Station BP 98 which is just off the north side of this map drawing.

MUD ALLEY.

The small stream diverging south from Six Mile Creek near the entrance. This name is shown only on G.C. Sheets.

PALMO COVE.

The cove just north of "Trout, 1934". The name is in use locally, probably being derived from "Palmo", a small camping community around triangulation station "Trout, 1934".

PACETTI POINT.

The point at triangulation station "Eliza 2, 1934".

RONDON'S BRANCH.

This name appears on U. S. C. & G. Survey T-1465, 1875, for a small branch running east from Colee Cove. The name is not used at present and is not shown on this map drawing.

SIX MILE CREEK.

A creek running south from Palmo Cove. It is spelled "Sixmile" on Chart 683, on Soil Map, St. Johns County, Fla., 1917 and on U. S. G. S. State of Florida, 1932. All other sources show the spelling as "Six Mile Creek".

SMITH POINT.

The point at triangulation station "Patricio 2, 1934". On U. S. C. & G. Survey T-1465, 1875, the point is called San Patricio Point.

TROUT CREEK.

A small creek running north from Palmo Cove. All sources are in agreement on this name. On State of Florida, St Johns County Map, Trout Creek is shown as a small creek about two miles north of the position given on this map drawing. All other sources have it located as shown.

WARDS CREEK.

About one mile from the mouth and running north from Six Mile Creek. This name is only shown on Soil Map, St, Johns County, Fla., 1917, but is used locally and is recommended.

REVIEW OF AIR PHOTO COMPILATION NO.

Chief of Party: Riley J. Sipe

Compiled by: R.H.Y.

Project: H. T. 168

Instructions dated: 33/4/35

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)

Yes

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)

Yes

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)

Yes

4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

None

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

Yes

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)

Yes

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

Yes

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

None

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)

Yes

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

None

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

Yes

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

Yes

13. The geographic datum of the compilation is Na 1927 and the reference station is correctly noted.

Yes

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

Yes

15. The drafting is satisfactory and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.

Yes

2. The degrees and minutes of Latitude and Longitude are correctly marked.

Yes

3. All station points are exactly marked by fine black dots.

Yes

4. Closely spaced lines are drawn sharp and clear for printing.

Yes

5. Topographic symbols for similar features are of uniform weight.

Yes

6. All drawing has been retouched where partially rubbed off.

Yes

7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

Yes

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

Rough drawing to be worked on a blue line

16. No additional surveying is recommended at this time.

None

17. Remarks: As noted in this report some parts of the area are probably in error as much as 5 meters. This is a rough drawing and is the first one completed by this party. (There seems to be some difficulty in trying to indicate small areas of cultivation and other detail so that it can be copied by the smooth draftsman correctly.)

18. Examined and approved;

19. Remarks after review in office:

Chief of Party

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5238

Graphic Control Surveys:

C S 170 M (1:20,000), 1935: Refer to page 2 of the descriptive report for comparison with T-5238.

Contemporary Hydrographic Surveys:

H-6297 (1:20,000) 1935. Shoreline and all offshore structures have been applied to H-6297 from T-5238 and agree with the soundings.

Previous Topographic Surveys:

T-1465 (1:20,000) 1878

T-2027 (1:80,000) 1875

T-5238 supersedes the sections of the previous surveys which it covers.

Chart 683 (12-7-38):

The following additions have been made to T-5238 since its application to chart 683 which was done prior to completion of this review.

- | | | |
|-----------|-------------|-------------|
| 1. Wreck | 29° 55' 35" | 81° 35' 20" |
| 2. Piling | 29° 56' 20" | 81° 39' 15" |

Reported to Nautical Chart Section 9-7-40.

Recoverable Topographic Stations:

All form 524 descriptions within the area of T-5238 are filed under T-5238.

General:

The descriptive report and compilation of details are complete. The sheet was compiled as a rough drawing and redrawn at Philadelphia.

Reviewed in office by - H. D. Reed, Jr.

Inspected by - B. G. Jones

Examined and approved:

H. D. Reed
Chief, Section of Field Records.

K. T. Adams
Chief, Section of Topography.

J. B. Borden
Chief, Division of Charts.

G. H. Hulse
Chief, Division of Coastal Surveys.

SURVEY NO. T-5238

Record of Application to Charts

[illegible]

M-2168-1

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.