

5618

Diag. Cht. No 688

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic <del>Photographic</del>	Sheet No. T - 5618
May 28, 1941	
State FLORIDA - ST. JOHNS R.	
LOCALITY	
LAKE JESSUP	
EASTERN PART	
Photographs 03250, 03251, 03253 to 03256 inclusive, and 03261 taken February 16, 1939	
1939	
CHIEF OF PARTY	
Riley J. Sipe, H. AND G. E.	

U.S. GOVERNMENT PRINTING OFFICE: 1934

May 28, 1941

before review  
Applied to Chart Comp 688, April 30, 1940 H. MacEwan

Fully applied chart 688 June 20, 1946 P. H. Benson

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. 45

REGISTER NO. T-5618

State FLORIDA

General locality LAKE JESSUP

Locality GENEVA

Scale 1:9615 Date of photos survey February 16, 1939

Party Vessel AP No. 2A

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

Remarks: U. S. C. AND G. S. NINE LENS CAMERA

FIELD INSPECTION MADE IN MARCH 1939

TIME SHEET

Field Sheet No. 45  
Register No. T-5618

This is the first nine lens sheet completely rough drafted in the field.

Pricking points for plotting	30 Hrs.
Making templates	25 "
Radial plot	61 "
Pricking additional points for detail	3 "
Transferring data from other sheets	4 "
Plotting all control	69 "
Detailing roads, bldgs., fences, trails, etc.	61 "
Detailing symbols	98 "
Detailing shoreline	33 "
Field inspection	43 "
Instruction	25 "
Report (writing and typing)	18 "
Field review of sheet	10 "
Indexing pictures	1 "

*7/19/52  
27 days one month*

TOTAL

481 Hrs.

NOTES ON COMPILATION

Sheet No. 45 (Field)

Register No. T - 5618

PHOTOGRAPHS:

<u>9</u>	<u>Lens</u>	<u>Flight No.</u>	<u>No.</u>	<u>03250 and 03251</u>
<u>9</u>	"	"	"	<u>03253 to 03256 inclusive.</u>
<u>9</u>	"	"	"	<u>03261</u>
	"	"	"	

SCALE PLOT: Riley J. Sipe

SCALE FACTOR USED: 1.04

PROJECTION BY: Washington Office.

CONTROL PLOTTED BY: A. C. Oliver

CONTROL CHECKED BY: H. O. Fortin.

SMOOTH RADIAL PLOT BY: R. J. Sipe and H. O. Fortin.

TOPOGRAPHY TRANSFERRED BY: J. A. Giles.

TOPOGRAPHY CHECKED BY: Riley J. Sipe

SHORELINE INKED BY: J. A. Giles

DETAIL INKED BY: J. A. Giles and James H. S. Billmyer.

OVERLAY SHEET BY: (None)

DESCRIPTIVE REPORT BY: James H. S. Billmyer

REVIEWED BY: Riley J. Sipe and H. O. Fortin.

AREA OF DETAIL INKED: 13.86 Square Statute Miles.

LENGTH OF SHORELINE (Over 200 m): 9.1 Statute Miles.

LENGTH OF SHORELINE (Under 200 m): 30.1 Statute Miles.

LENGTH OF SHORELINE OF SMALL LAKES: 15.6 Statute Miles.

Ref. Sta:

Lingo, 1935

Lat: 28-43-12.696 (390.8 m) Adjusted  
 Long: 81-11-38.691 (1050.0 m)  
 $X = 437,792.12$   
 $Y = 1,594,534.65$

## DESCRIPTIVE REPORT

Field Sheet No. 45  
Register No. T-5618

31 July 1939

### GENERAL INFORMATION

This map was compiled from air photographs taken by the U. S. Army Air Corps, using the nine lens camera designed by the U. S. Coast and Geodetic Survey.

The projection was made with a scale factor of 1.04.

In accordance with recent instructions from the Washington Office this sheet was roughly drafted. No attempt was made at neatness or uniformity in lettering or symbols. The limits of large areas of cultivation are shown in outline. Small areas are shown in the conventional symbols.

Unimportant small buildings were not shown on this map.

### CONTROL

A total of thirty-eight control points are plotted on this sheet. Eighteen of these fall within tracing limits. Three of the points are topographic stations from the Graphic Control Sheets and the others are stations established by the Florida Mapping Project.

### RADIAL PLOT

The radial points in the northeast corner of the sheet were determined from only two intersections, but as there are a number of triangulation stations in this area it is believed that the topographic detail is not in error by more than five meters.

### INTERPRETATION OF PHOTOGRAPHS

No difficulty was experienced in the interpretation of the photographs as a fairly complete field inspection was made and all doubtful details were noted on the field prints.

### FIELD INSPECTION AND SUPPLEMENTAL SURVEYS

Field inspection was made in March 1939 by boat and truck.

Field notes were made on field print photographs number 03250, 03251, 03253, 03254, 03255, 03256, and 03261.

### GRAPHIC CONTROL SHEETS

This map sheet is covered by Graphic Control Sheets "CCCC" and "DDDD" of which this office has only tracings. The only detail shown pertaining to this map are short sections of shore line which check with the photographic interpretation.

## HYDROGRAPHIC SHEETS

The portion of Lake Jessup shown on this sheet is covered by boat sheet No. 62. <sup>H6426</sup> This boat sheet is now on the Launch "Mikawe", so it is not possible to make a comparison.

## COMPARISON WITH U.S.C. AND G.S. CHART NUMBER 458

U.S.C. and G.S. chart No. 458 on a scale of 1:80,000 covers this area but little detail is shown. An accurate comparison is not possible due to the great differences in the scales.

## PREPARATION FOR INKING

The sheet was prepared for inking by rubbing the section about to be inked with dry Carbonate of Magnesia. It was found that this absorbed grease, dirt, or other foreign matter, thereby causing the ink to adhere to the celluloid better.

## MISCELLANEOUS

Limits of culture are shown by a scalloped line. With the exception of citrus groves and cultivated areas, these lines define the limits approximately only. Definite limits of cultivation and citrus groves are the rounded edges of these lines. The scalloped line is also used to define the limits of large grassy areas.

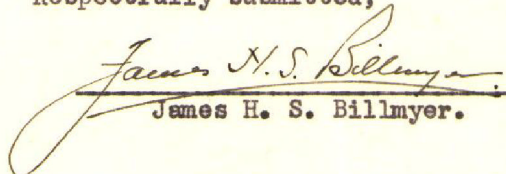
Small areas are shown in symbols.

The cultivated areas in the swampy portion of the western part of the sheet are well drained and the swamp symbol should be used up to their limits only.

Tree classification in the swampy areas are shown in parenthesis. These areas should be shown by the swamp symbol only.

The fence line in the northwest corner of this sheet does not connect with any fence line on sheet No. 42, due to the fact that the fence line could not be traced on the five lens photos on sheet No. 42.

Respectfully submitted,

  
James H. S. Billmyer.

Forwarded:

R. J. Sipe, H. and G. E.,  
Chief of Party.

## GEOGRAPHIC NAMES

### BIG GATOR POINT

A point of land on the eastern shore of Lake Jessup about a third of a mile west of triangulation station LINGO.

### CARR CREEK

A wide mouthed short creek emptying into Lake Jessup near triangulation station LINGO.

### CHUB CREEK

A small creek on the north shore of Lake Jessup north of Davis Point.

### DAVIS POINT

A sharp marshy point of land on the north shore of Lake Jessup.

### ELIZAS DRAWERS (omit)

A narrow channel separating an unnamed island and the mainland near the eastern end of Lake Jessup.

### GENEVA

A small community on the Florida East Coast Railroad between Lake Jessup and Lake Harney.

### HAWKINS ISLAND

A marshy island in the eastern end of Lake Jessup separated by Wharf Creek from the mainland.

### JONES LANDING

A small wharf in Willow Cove on the south shore of Lake Jessup.

### LAKE JESSUP

A large lake in Seminole County south of Sanford. A portion of this lake falls on the western part of this map (T-5618).

### LAKE GENEVA

A small lake east of Geneva Post Office.

### LITTLE GATOR POINT

A marshy point of land near the eastern end of Lake Jessup about half a mile north of triangulation station LINGO.

### LONG LAKE

A small lake about one mile southeast of Geneva Post Office.

### LONG POINT

A marshy rounded projection on the north shore of Lake Jessup about



GEOGRAPHIC NAMES (CONTINUED)

a mile west of Davis Point.

MORAN LAKE

A very small lake about one mile southeast of Geneva Post Office and just west of Long Lake.

PETERS LAKE

A small lake about eight tenths of a mile southeast of Geneva Post Office and just north of Long Lake.

REEDY CREEK

A short creek about a quarter of a mile west of Davis Point on the north shore of Lake Jessup.

ROTTEN EGG SLOUGH

A slough in the marshy land on the eastern end of Lake Jessup.

SALT CREEK

A wide mouthed creek emptying into the eastern end of Lake Jessup south of Hawkins Island.

SEEVEE ISLAND

A very small marshy island on the eastern end of Lake Jessup at the entrance of Sweetwater Creek. This name is known locally as "CV" Island. The reason for this unusual name is not known as there is no characteristic of the island that resembles the letters "C" and "V".

SHELL CREEK

A very short wide mouthed creek just north of triangulation station LINGO.

SWEETWATER CREEK

A short wide mouthed creek emptying into Lake Jessup near Seevee Island.

TAYLOR LAKE

A small lake about one and a half miles southeast of Geneva Post Office.

THREE OTTER CREEK

A small wide creek emptying into Lake Jessup just north of Davis Point.

GEOGRAPHIC NAMES (CONTINUED)

WHARF CREEK

A creek emptying into Lake Jessup and forming a part of the estuary separating Hawkins Island and the Mainland.

WILLOW COVE

A cove on the south shore of Lake Jessup about one mile southwest of triangulation station LINGO.

T-5618

	Remarks.	Decisions
1		287812
2		287811
3		"
4		"
5	Omit per instructions T.K.A.	"
6		"
7		"
8		287812
9		"
10		287811
11		"
12		"
13		287812
14		287811
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		287812
26		
27		
M 234		

# GEOGRAPHIC NAMES

Survey No.

Field Sheet 45

Register No. T - 5618

Name on Survey

	A	B	C	D	E	F	G	H	K	
				2 - 4						1
<u>Big Gator Point</u> ✓				X						
<u>Carr Creek</u> ✓				2 - 4						2
				X						
<u>Chub Creek</u> ✓				2						3
				X						
<u>Davis Point</u> ✓				2 - 3						4
				X						
<u>Elizas Drawers</u>				2 - 3						5
				X						
<u>Geneva</u> ✓				X	X					6
				2						
<u>Hawkins Island</u> ✓				X						7
				5						
<u>Jones Landing</u> ✓				X						8
<u>Lake Jessup</u> ✓	X			X	X					9
				1						
<u>Lake Geneva</u> ✓				X						10
				2 - 4						
<u>Little Gator Point</u> ✓				X						11
				1						
<u>Long Lake</u> ✓				X						12
				2 - 3						
<u>Long Point</u> ✓				X						13
				1						
<u>Moran Lake</u> ✓				X						14
				1						
<u>Peters Lake</u> ✓				X						15
				2						
<u>Reedy Creek</u> ✓				X						16
				2 - 3						
<u>Rotten Egg Slough</u> ✓				X						17
				2						
<u>Salt Creek</u> ✓				X						18
				2						
<u>Seevee (CV) Island</u> ✓				X						19
				2 - 4						
<u>Shell Creek</u> ✓				X						20
				2						
<u>Sweetwater Creek</u> ✓				X						21
				1						
<u>Taylor Lake</u> ✓				X						22
				2						
<u>Three Otter Creek</u> ✓				X						23
				2						
<u>Wharf Creek</u> ✓				X						24
				2 - 5						
<u>Willow Cove</u> ✓				X						25
FIGURES IN CHECK SQUARES DENOTE AUTHORITIES. (SEE NEXT PAGE).										26
										27
										M 234 12

Names uncorrected and approved  
by L. Heck on 8/16/39

GEOGRAPHIC NAMES (CONTINUED)

AUTHORITIES FOR LOCAL USAGE.

Group 1. Mrs. K. W. Culpepper, Geneva, Florida.  
J. E. Mathieux, " "  
O. R. Mathieux, " "

Group 2. C. C. Howard, Game Warden, Sanford, Florida.  
J. O. Mitchell, Sanford, Florida.  
J. L. Oglesby, Oviedo, Florida.

Group 3. John B. Bennett, Sanford, Florida.

Group 4. J. H. Mac Lean, Oviedo, Florida.

Group 5. C. C. Miller, Oviedo, Florida.

## PLANE COORDINATE GRID SYSTEM

Positions of grid intersections used for fitting the grid to this compilation were computed by Division of Geodesy and the computation forms are included in this report.

Positions plotted by H. D. REED, JR.

Positions checked by " ON RULING MACHINE

Grid inked on machine by "

Intersections inked by \_\_\_\_\_

Points used for plotting grid:

x = 435,000 FT  
y = 1,605,000 FT

x 450,000  
y 1,595,000

x 465,000  
y 1,605,000

x  
y

x 435,000  
y 1,585,000

x  
y

x 465,000  
y 1,585,000

x  
y

Triangulation stations used for checking grid:

K = 437,792.12 FT - y = 1,599,534.65 FT

1. Lirago, 1935 (Ref. Sta.) 5. \_\_\_\_\_
2. \_\_\_\_\_ 6. \_\_\_\_\_
3. \_\_\_\_\_ 7. \_\_\_\_\_
4. \_\_\_\_\_ 8. \_\_\_\_\_

## DIVISION OF CHARTS

### Section of Field Records

#### REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5618

##### Graphic Control Surveys

CS-179-M (1:10,000) 1939

CS-180-M (1:10,000) 1939

The graphic control surveys show only temporary hydrographic signals and the magnetic declination. The latter agrees with the chart of this area.

##### Previous Topographic Surveys

T-1512 (1:80,000) 1883

T-5618 supersedes the section of T-1512, which it covers.

##### Contemporary Hydrographic Surveys

H-6436 (1:5,000) 1939

The review of H-6436 and comparison with T-5618 were completed by the hydrographic reviewing unit.

##### Chart 688

T-5618 has been applied to chart 688 prior to this review. No changes have been made in T-5618 since its application to the chart.

##### General

The compilation of map details has been extended in this office to cover a slightly larger area on the east section of T-5618 than was done by the field party. Only two direct intersections could be obtained in this area, but there was ample ground control to assure the accuracy of the extension.

*T 5618 was compiled as a rough drawing  
and was verified in the Philadelphia  
office*

Reviewed in office by - F. H. McBeth, 1/41

Inspected by - B. G. Jones, 1/41



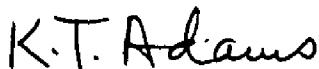
Examined and Approved:



Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Topography Section.



Chief,  
Division of Coastal Surveys.