

9308

N&S

Diag. Cht. No. 685.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-35A(48) Office No. T-9308

LOCALITY

State Florida

General locality St. Johns River

Locality Switzerland

1949-52

CHIEF OF PARTY

H.F. Garber, Chief of Field Party

A.L. Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 16, 1958

B-1870-1 (1)

9308

# DATA RECORD

T - 9308

Project No. (II): **Ph-35A(48)**

Quadrangle Name (IV):

Field Office (II): **Edenton, North Carolina**

Chief of Party: **Harry F. Garber**

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **Arthur L. Wardwell**

Instructions dated (II) (III): **30 December 1949**

Copy filed in Division of  
Photogrammetry (IV)

*Office Files*

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV):

**FEB 15 1952**

Date reported to Nautical Chart Branch (IV): **25 Feb 1952**

Applied to Chart No.

Date:

Date registered (IV):

**19 Mar 1958**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

**N. A. 1927**

Vertical Datum (III):

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): **MAGNOLIA 2, 1934**

Lat.: **30° 01' 15".314 (471.5m)**

Long.:

**81° 41' 31".872 (854.1m)**

Adjusted

~~Horizontal~~

Plane Coordinates (IV):

State:

Zone:

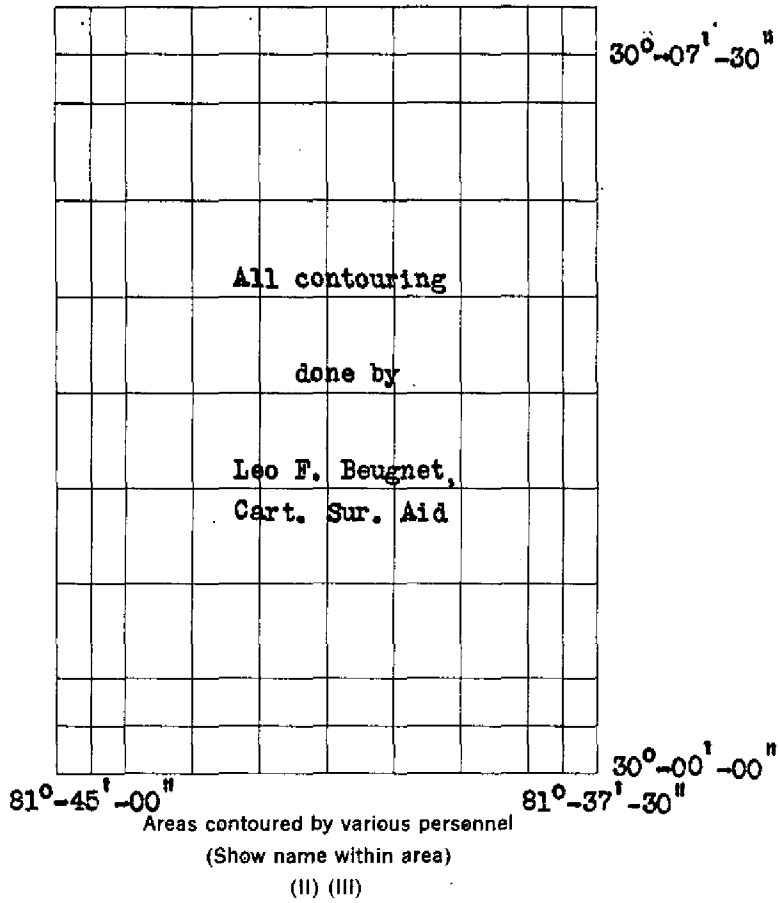
Y=

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.





# DATA RECORD

Field Inspection by (II): **Leo F. Beugnet, Cartographic Survey Aid** Date: 15 Nov. 1950  
to  
15 March 1951

Planetable contouring by (II): **Leo F. Beugnet, Cartographic Survey Aid** Date: 20 Nov. 1950  
to  
15 March 1951

Completion Surveys by (II): **Jas. E. Hundley** Date: **23 Sept. 1952**

Mean High Water Location (III) (State date and method of location): ~~Air Photo Compilation~~  
**Identified on photographs taken 16 Apr 1949** ~~1 April 1950~~

Projection and Grids ruled by (IV): **T. L. G. (W.O.)** Date: 9 Oct. 1950

Projection and Grids checked by (IV): **T. L. G. (W.O.)** Date: 9 Oct. 1950

Control plotted by (III): **I. I. Saperstein** Date: 27 Oct. 1950

Control checked by (III): **R. J. Pate** Date: 1 Nov. 1950

Radial Plot of ~~Stereoscopic~~ **Control extension** by (III): **M. M. Slavney** Date: 27 Nov. 1950

Stereoscopic Instrument compilation (III): **Planimetry** Date:  
**Inapplicable** Date:  
**Contours**

Manuscript delineated by (III): **R. Dossett** Date: 11 July 1951

Photogrammetric Office Review by (III): **J. A. Giles** Date: 17 Oct. 1951

Elevations on Manuscript checked by ~~(IX)~~ (III): **R. Dossett** Date: 6 July 1951



Camera (kind or source) (III): Fairchild Cartographic - 6" Metrogon lens Camera "0"

Number	Date	Time	Scale	Stage of Tide
49-0-279	April 16, 1949	11:09	1:10,000	0.0
280	"	11:10	"	"
281-282	"	11:11	"	"
283	"	11:12	"	"
297	"	11:26	"	"
298-299	"	11:27	"	"
300	"	11:28	"	"
301	"	11:29	"	"
304-305	"	11:37	"	"
306-307	"	11:36	"	"
308	"	11:35	"	"

## Tide (III)

Reference Station: Mayport Fla  
 Subordinate Station: Green Cove Springs  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
0.2	0.8	0.9

Washington Office Review by (IV): *Everett H. Ramey*

Date: *15 July 1953*

Final Drafting by (IV): *A.P. Berry*

Date: *2-19-58*

Drafting verified for reproduction by (IV): *Wm O. Halluin*

Date: *2-24-58*

Proof Edit by (IV):

Date:

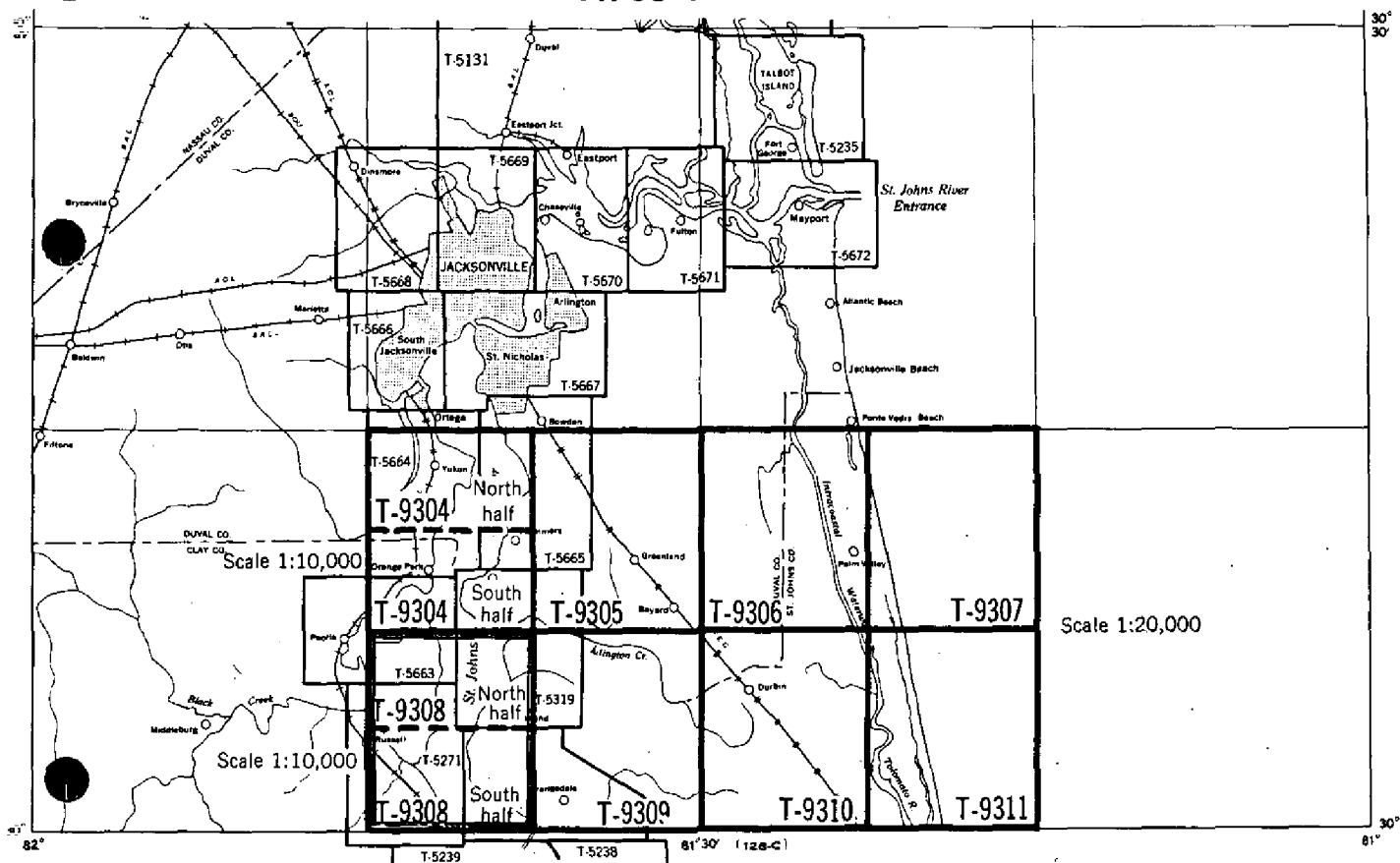
Land Area (Sq. Statute Miles) (III): *41*  
 Shoreline (More than 200 meters to opposite shore) (III): *33*  
 Shoreline (Less than 200 meters to opposite shore) (III): *10.3*  
 Control Leveling - Miles (II): *35*  
 Number of Triangulation Stations searched for (II): *55* Recovered: *37* Identified: *18*  
 Number of BMs searched for (II): *21* Recovered: *8* Identified: *4*  
 Number of Recoverable Photo Stations established (III): *16*  
 Number of Temporary Photo Hydro Stations established (III): *0*

Remarks:

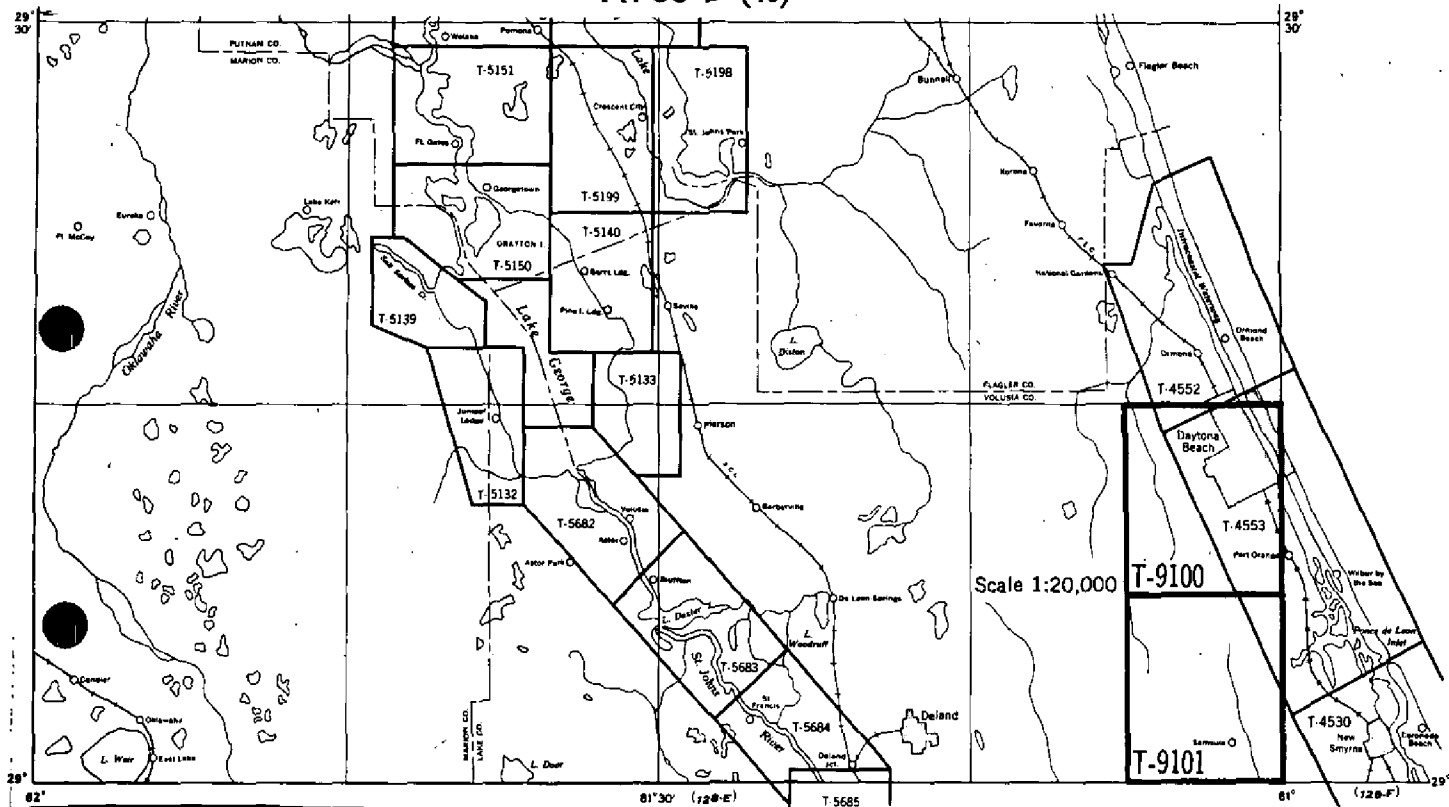
## TOPOGRAPHIC MAPPING PROJECT

FLORIDA, East Coast

PH-35-A (48)



PH-35-B (48)





## Summary to Accompany Topographic Map T-9308

Topographic map T-9308 is one of eight similar maps in Project Ph-35A(48) and is the southwesternmost map of this project. It covers the St. Johns River from Green Cove Springs to Julington Creek and the adjacent land area.

Project Ph-35(48) is a graphic compilation project. Field work in advance of compilation included the recovery and identification of control, complete inspection of shoreline and interior features, contouring, and the investigation of boundaries and geographic names.

Map T-9308 was compiled in two parts at a scale of 1:10,000 using single-lens photographs taken in 1949. It covers  $7\frac{1}{2}'$  in latitude by  $7\frac{1}{2}'$  in longitude. The map was completely field edited. After the addition of hydrographic information, this map will be published by the Geological Survey as a standard topographic quadrangle.

Items registered under T-9308 will include a cloth-mounted lithographic print at a scale of 1:10,000, of each half of the survey manuscript, a cloth-mounted color print of the published map at a scale of 1:24,000 and the descriptive report.



## FIELD INSPECTION REPORT

Quadrangle T-9308

30-00-00/81-37-30

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:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
Leo F. Beugnet,	Horizontal Control	1 Feb. 1950 to
Cartographic Survey Aid	Recovery and Shoreline	1 April 1950

This report is written in accordance with Paragraph 724 of the Topographic Manual, Part II, dated, 1949.

2. AREAL FIELD INSPECTION

This quadrangle lies in the counties of St. Johns and Clay. They are divided by the St. Johns River which runs in a north-south direction through the entire quadrangle. The area includes a small portion of the incorporated town of Green Cove Springs. Duval CHR

The quadrangle is adequately served by U. S. Highway 17, Florida State Highway 13 and 220, and the Atlantic Coast Line Railroad.

The chief occupations are: making turpentine, lumbering, citrus growing, and cattle raising. The area for the most part is sparsely settled.

Two airfields, which are owned and operated by the U. S. Navy, lie within the area, namely: Flemings Island Field, and Switzerland Field.

There was but little construction in progress during the field inspection. Buildings and roads along the St. Johns River were partly obscured by the large oak trees. The field inspector has circled and inked these items to aid the compiler. Sufficient classifications were made so that the compiler should have no great difficulty with the tones.

The field inspection is believed to be complete.



### 3. HORIZONTAL CONTROL

- (a) No supplemental control was established.
- (b) All stations are on the N.A. 1927 datum.
- (c) Stations not established by the U.S.C. & G.S. are:

<u>Station</u>	<u>Agency</u>	<u>Order</u>	<u>Datum</u>
P-39	Florida Geodetic Survey	Third	N.A. 1927
P-40	"	"	"
P-41	"	"	"
P-42	"	"	"
P-43	"	"	"
P-44	"	"	"
P-45	"	"	"
P-46	"	"	"
P-47	"	"	"
AB-30	"	"	"
AB-31	"	"	"
AB-32	"	"	"
AB-33	"	"	"
AB-34	"	"	"
AB-35	"	"	"
AB-36	"	"	"
AB-37	"	"	"
AB-38	"	"	"
BP-85	"	"	"
BP-86	"	"	"
BP-87	"	"	"
TTE-12	U. S. Engineers	"	"
TTE-13	"	"	"
TTE-24	"	"	"
TTE-25	"	"	"
TTE-41	"	"	"

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

Draw, 1934  
 Ophir, 1934  
 Penny, 1934  
 White, 1876  
 White 2, 1934  
 P-39 (Fla. Geod. Sur.), 1934  
 P-41           "           "  
 P-43           "           "  
 P-44           "           "  
 P-45           "           "  
 AB-30          "           "  
 AB-31          "           "  
 AB-33          "           "

AB-34	(Fla. Geod. Sur.),	1934
AB-37	"	"
BP-85	"	1935
BP-86	"	"
BP-87	"	"

Seven stations, which are located outside of the quadrangle limits, were identified to control the radial plot.

#### 4. VERTICAL CONTROL

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

<u>Name</u>	<u>Agency</u>	<u>Order</u>
AB-30 *	Florida Geodetic Survey	Third
AB-31 *	"	"
AB-32	"	"
AB-33 *	"	"
AB-34 *	"	"
AB-35	"	"
AB-36	"	"
AB-37 *	"	"
AB-38 -	"	"

\* Not recovered or recovered in poor condition. *5072*

(b) Thirty-five miles of supplemental levels were run with a Wye level, beginning and closing on bench marks of third-order accuracy or better. The greatest closure on any line was .45 feet. This line was adjusted.

(c) The first and last fly level points are 08-1 and 08-47.

(d) Inapplicable.

#### 5. CONTOURS AND DRAINAGE

The contouring was done by plane-table methods directly on single lens photographs (1:10,000 scale), at a contour interval of five (5) feet.

The natural drainage in the quadrangle is by numerous creeks which lead into the St. Johns River. In many places the swamps are quite flat with no definite drainage.

The terrain on the eastern side of the St. Johns River is quite flat, while on the western side of the river there is considerable relief. The highest natural elevation on the sheet is 82 feet, which is located in the southwestern portion.

#### 6. WOODLAND COVER

The cover was classified in accordance with Paragraph 5433 of the Topographic Manual, Part II, dated 1949.



Special attention is called to the "Tree" and "Swamp" classification throughout the entire quadrangle and particularly along the shore of the St. Johns River. The shores in general have a narrow fringe of cypress growing along them, some in the water and some just back of the high-water line on low ground. This immediately gives way to higher ground with orchards or oak trees, or to low swamp with a mixture of trees with a heavy undergrowth.

The heavy oak trees may easily be confused with "swamp", if care is not taken in the interpretation of the photographs. The oak areas have a darker tone than do the swamps, and are found only on the higher ground. The high areas in the southwest portion of the quadrangle are predominately covered by scrub oak. These in general are small trees, but of very dense growth.

#### 7. SHORELINE AND ALONGSHORE FEATURES

(a) The shoreline of this quadrangle was inspected on single-lens photographs (1:10,000 scale). Measurements from identifiable points on the photographs were made to the high-water line, at approximately three-quarter mile intervals. The banks of the river have undergone no change since photography.

(b) The mean tide range in this portion of the St. Johns River is about 0.8 foot. However, the water level is affected more by prevailing winds than any other factor. No attempt was made to locate the low-water line, because of the presence of water hyacinths during both field inspection and photography.

(d) Bluffs - Along this portion of the St. Johns River, bluff heights range from 5 to 15 feet, and are depicted by the contours.

(e) All docks, wharves, piers, landings, etc. have been labeled on the photographs. *See 556*

(f) Three submarine cables, crossing Black Creek, were located on the photographs.

#### 8. OFFSHORE FEATURES

Inapplicable.

#### 9. LANDMARKS AND AIDS

(a) Three landmarks for nautical charts are recommended on Form 567.

(b) One interior landmark is recommended, namely:

Black Creek Fire Lookout Tower, 1951.



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

(d) Six fixed aids to navigation are reported on Form 567 for charting. These aids have been previously located by triangulation. However, three had been rebuilt or moved, and these were located by third-order triangulation methods during this survey. The remainder were verified by at least two intersecting theodolite cuts. *See §37*

#### 10. BOUNDARIES, MONUMENTS AND LINES

A Special Report\* On Boundaries will be submitted at a later date by Joseph K. Wilson, Cartographer.

\* *Filed under project data in Div. of Photogrammetry.*

Five section corners were recovered and identified. Two boundary markers of Switzerland Field and two markers of Fleming Island Field were recovered and identified. *See §41*

This sheet falls within Commissioners District No. 1 in St. Johns County and Commissioners District (No. 2 and 3) in Clay County.

#### 11. OTHER CONTROL

Four topographic stations were established, namely:

Dare, 1950

Full, 1950

*8112* West Gable Shed, 1950

West Gable Beathouse, 1950

*Tower 1951 & Good 1950*

*See §38*

Two previously established topographic stations were searched for and are reported on Form 524, namely:

Gear, 1934

Eliz, 1935

*See §60*

#### 12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with Paragraph 5441 and 5446 of the Topographic Manual, Part II, dated 1949.

All bridge information, as listed in the "U. S. Engineers List of Bridges Over Navigable Waters In the U. S.", dated July 1941, and its supplement, dated January 1, 1948, was verified in the field. All clearances were carefully measured with a steel tape and the published description verified. The discrepancies were reported to the local District Engineer.

See Copy of letter attached to Field Inspection Report for Quadrangle T-9305.



13. GEOGRAPHIC NAMES 854 ✓

This is the subject of a "Special Report" which was submitted by Joseph K. Wilson, Cartographer, on 21 July 1950.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

A coast pilot report for the project was submitted by the Chief of Party in July, 1950. There are no other reports or special data, except as noted in Paragraphs 10 and 13.

15 March 1951

Submitted by:

*Leo F. Beugnet*

Leo F. Beugnet,  
Cart. Sur. Aid

25 March 1951

Approved by:

*Harry F. Garber*

Harry F. Garber,  
Chief of Party

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.



MAP T 9308

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
FALSE 2, 1934	G.Ps. 268	N.A. 1927	30 06 16.834 81 41 23.431					518.4 (1,329.2) 627.3 ( 979.1)		
GREEN COVE, 1933	G.Ps. 269	"	29 59 31.630 81 41 05.928					973.9 ( 873.5) 158.9 (1,449.4)	S. of survey area	
HALLOWES, 1934	G.Ps. 292	"	30 01 35.816 81 39 32.430					1,102.8 ( 744.6) 869.0 ( 738.7)		
SPIRE, 1934	G.Ps. 292	"	29 59 51.036 81 40 40.371					1,571.4 ( 276.0) 1,082.1 ( 526.1)	S. of survey area	
MAGNOLIA 2, 1934	G.Ps. 269	"	30 01 15.314 81 41 31.872					471.5 (1,375.9) 854.1 ( 753.7)		
HAMPTON 2, 1934	G.Ps. 269	"	30 00 52.058 81 38 03.715					1,602.9 ( 244.5) 99.6 (1,508.4)		
MIDDLE 2, 1934	G.Ps. 290	"	30 04 56.151 81 41 27.302					1,729.0 ( 118.5) 731.2 ( 875.7)		
PETER, 1934	G.Ps. 291	"	30 02 26.715 81 42 31.713					822.6 (1,024.9) 849.6 ( 757.8)		
SPRING, 1934	G.Ps. 291	"	30 00 21.986 81 40 54.363					677.0 (1,170.5) 1,457.0 ( 151.1)		
WILKIES, 1934	G.Ps. 291	"	30 02 00.810 81 41 56.806					24.9 (1,822.6) 1,522.0 ( 85.6)		
POPO POINT BEACON NO. 33, 1935	G.Ps. 291	"	30 01 19.883 81 40 11.436					612.2 (1,235.3) 306.4 (1,301.4)		
MAGNOLIA POINT BEACON NO. 46, 1934	G.Ps. 291	"	30 01 24.326 81 41 14.777					749.0 (1,098.5) 396.0 (1,211.7)		

1 FT. = 3048006 MEIER  
COMPUTED BY: I. I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 3 August 1950



MAP T. 9308

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\mu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
REMINGTON, 1876	G.P.s. 20	N.A. 1927	30 02 08.833 81 40 06.554			272.0 (1,575.5) 175.6 (1,431.9)	
REMINGTON 2, 1933	"	"	30 02 09.004 81 40 05.922			277.2 (1,570.2) 158.7 (1,448.9)	
GREEN COVE SPRINGS BEACON NO. 50, 1934	G.P.s. 292	"	30 00 11.733 81 39 41.604			361.3 (1,486.2) 1,115.0 ( 493.0)	
RAGGED POINT LIGHT 40, 1950	Comp.	"	30 07 13.010 81 40 49.154			400.6 (1,446.9) 1,315.9 ( 290.3)	
NEW SWITZERLAND POINT LIGHT 31, 1950	"	"	30 03 39.160 81 40 24.407	This Sta. is only Topo. Sta. accuracy		1,205.8 ( 641.7) 653.8 ( 953.4)	New position 1952. See FE Report, 557
HIBERNIA 44, 1950	"	"	30 04 01.153 81 41 16.587			35.5 (1,812.0) 444.3 (1,162.8)	
P 40, 1934 (Fla. Geod. Sur.)	Clay Co. Sta. Desc.	"	2,054,707.72 277,710.76	4,707.72 ( 292.28) 2,710.76 (2,289.24)	SOUTH OF PROJ.		
P 42, 1934 (Fla. Geod. Sur.)	"	"	2,054,526.25 267,666.58	4,526.25 ( 473.75) 2,666.58 (2,333.42)	"		
P 46, 1934 (Fla. Geod. Sur.)	"	"	2,054,352.90 248,848.37	4,352.90 ( 647.10) 3,848.37 (1,151.63)	"		
AB 33, 1938 (Fla. Geod. Sur.)	"	"	2,086,393.28 276,287.95	<del>1,393.28 (3,606.72)</del> <del>1,287.95 (3,712.05)</del>	Put on back in red ink		Recovered in poor condition
AB 32, 1935 (Fla. Geod. Sur.)	"	"	2,092,977.13 276,616.06	<del>2,977.13 (2,022.87)</del> <del>1,616.06 (3,383.94)</del>			not recovered after search
AB 34, 1938 (Fla. Geod. Sur.)	"	"	2,078,069.61 275,872.70	<del>3,069.61 (1,930.39)</del> <del>872.70 (4,127.30)</del>			Sta. not recovered after search.

1 FT. = .3048006 METER  
COMPUTED BY: I. I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 4 August 1950



3 of 4

MAP T. 9308

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\phi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD (BACK)		FORWARD (BACK)	FORWARD (BACK)
AB 35, 1938 (Fla. Geod. Sur.)	Clay Co. Sta. Desc. 1927	N.A.	2,072,132.35	2,132.35 (2,867.65)			
			275,574.47	574.47 (4,425.53)			
AB 36, 1938 (Fla. Geod. Sur.)	"	"	2,066,071.88	3,071.88 (1,928.12)			
			276,825.54	1,825.54 (3,174.46)			
AB 37, 1938 (Fla. Geod. Sur.)	"	"	<del>2,064,233.51</del>	<del>4,233.51 (766.49)</del>			
			278,818.11	3,818.11 (1,181.89)			
AB 38, 1938 (Fla. Geod. Sur.)	"	"	2,063,190.29	3,190.29 (1,809.71)			
			279,769.80	4,769.80 (230.20)			
AB 31, 1935 (Fla. Geod. Sur.)	"	"	<del>2,100,420.73</del>	<del>420.73 (4,579.27)</del>			
			<del>276,987.12</del>	<del>1,987.12 (3,012.88)</del>			
TTE-12, 1947 (U. S. E.)	U.S.E.	"	2,097,101.99	2,101.99 (2,898.01)	WEST OF PROJ.		
			256,575.62	1,575.62 (3,424.38)			
TTE-24, 1947 (U.S.E.)	"	"	30 03 13.885			427.5 (1,419.9)	
			81 44 54.739			1,466.3 (140.9)	
TTE-41, 1947 (U.S.E.)	"	"	30 00 56.625			1,743.6 (103.9)	
			81 44 55.294			1,481.8 (126.1)	
MOORE, 1876	Comp.	"	30 06 43.606			1,342.7 (504.8)	
			81 38 34.985			936.6 (669.7)	
SWITZER RM 2, 1934	"	"	30 03 29.253			900.7 (946.7)	
			81 40 08.829			236.5 (1,370.7)	
HIBERNIA 2, RM 1 1934	"	"	30 04 06.052			186.3 (1,661.2)	
			81 41 32.174			861.7 (745.3)	
BLACK RM1, 1934	"	"	30 03 09.337			287.5 (1,560.0)	
			81 42 02.521			67.5 (1,539.7)	

1 FT. = 3048006 METER

COMPUTED BY: I. L. SapersteinDATE 12 July 1950CHECKED BY: R. A. ReeceDATE 4 August 1950

M. 2388-12

15







COMPILATION REPORTT-9308PHOTOGRAMMETRIC PLOT REPORT:

Submitted with T-9001, *filed with Descriptive Report for T-9101.*

31. DELINEATION.

The graphic method of compilation was used.

The scale and clarity of the photographs were reasonably good.

32. CONTROL.

Sufficient secondary control was established and placement was such that no difficulty was encountered in the establishment of detail points. It was necessary, however, to use some detail points formed by two cut intersections because of insufficient coverage.

33. SUPPLEMENTAL DATA.

The plans of the Jacksonville, Florida, U. S. Naval Air Station's Fleming Island Field and Switzerland Field were used to establish the boundary lines of these respective air fields. *Sec 58 & 541*

34. CONTOURS AND DRAINAGE.

The drainage was delineated as shown by the photographs and supplementation of the field inspector.

No difficulty was encountered in transferring the contours from the field photographs to the map manuscript.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

Reference is made to Item 7 regarding low-water and ~~shoal~~ <sup>shk</sup> areas. No visible shoal or shallow water areas were noted by the compiler.



### 36. OFFSHORE DETAILS.

Offshore details such as piling, dolphins, etc., have been delineated as indicated by field inspection.

### 37. LANDMARKS AND AIDS.

Only one of the three landmarks mentioned under Item 9 was listed on Form 567 by the field party. The field editor is requested to recommend any other landmarks that may exist.

One non-floating aid (NEW SWITZERLAND POINT LIGHT 31) has been shown with a black circle. The computations, done in the Tampa Office, revealed that the angles furnished by the field party would not satisfy the requirement for third order accuracy.

*See § 57*

### 38. CONTROL FOR FUTURE SURVEYS.

Seventeen (17) topographic stations are being submitted on Form 524. <sup>Eight</sup> ~~These~~ topographic stations have been listed and included under Item 49.

The field inspector has not listed under Item 11 those Forms 524 covering recoverable section corners and boundary monuments.

One additional Topographic Station, GOOD 1950, submitted with T-9304\* falls on this quadrangle and is listed under Item 49.

*\* filed under T-9308*

*Discrepancy*



### 39. JUNCTIONS.

A satisfactory junction has been secured with T-9304 on the north and T-9309 on the east.

Because of the changes to be expected due to the passage of time, no attempt has been made to make a junction with U.S.G.S. Quadrangle, MIDDLEBURG, 1:62,500, surveyed in 1917. This quadrangle is on the west.

A junction was made with U.S.E. Quadrangle, BOSTWICK, FLA., surveyed in 1941, on the south. The railroad, shoreline and some roads were in good agreement. The contouring and other roads were not in agreement. Those details not in agreement have been treated according to topographic instructions.

### 40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

*See § 53*

### 41. PUBLIC LAND LINES.

The land lines were plotted from the plats of the General Land Office.

West of the St. Johns River, little difficulty was encountered in fitting the plotted plats to the field party's recovered section corners and natural features. One exception has been noted on the land line discrepancy print - East of the St. Johns River, no section corners were recovered. A satisfactory junction, however, was secured with Quadrangle T-9309 on the east and, by using some natural features, it is believed that a reasonably accurate fitting has been made for this area.

*See § 58*

### 46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with USC&GS Topographic Maps T-5271, T-5663, T-5240 and T-5319, compiled from photographs taken in 1935 and supplemented by other surveys to 1938, scale 1:10,000.

The shoreline is in good agreement except for some minor changes of shoreline structures, such as pilings, piers and boat houses. Few discrepancies were noted. Inshore area with reference to cultural features show minor changes, the most outstanding of which is the air fields (Auxiliary fields of the Jacksonville Naval Air Station). Roads, railroads and vegetation compare favorably.

*See § 62 & 563*



47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 685, published June 1949, bearing a print date June 6, 1949, scale 1:40,000. No outstanding discrepancies of shoreline were noted. Comparable inshore features are in agreement with the exception of the new road and bridge across SWIMMING PEN CREEK in the northwest corner of the quadrangle. *see §65*

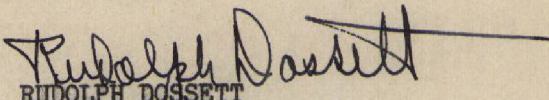
The same differences noted in Paragraph 46 exist between this map manuscript and Chart 685.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

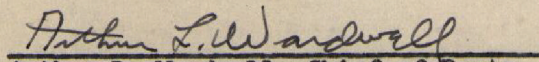
None.

ITEMS TO BE CARRIED FORWARD.

None.

  
RUDOLPH DOSSETT  
Carto. Photo. Aid

APPROVED AND FORWARDED:

  
Arthur L. Wardwell, Chief of Party



49. NOTES FOR THE HYDROGRAPHER.

Following is a list of topographic stations that may be useful to the hydrographer:

DARE, 1950

FULL, 1950

~~WEST GABLE BO. HO.~~<sup>CHK</sup>, 1950

~~WEST GABLE SHED~~<sup>CHK</sup>, 1950

~~BLACK CREEK LOOKOUT TWR.~~<sup>CHK</sup>, 1951

GOOD 1950

\*GEAR (1934) 1950

\*ELIZ (1935) 1950

\*Being returned to field editor for location on photographs.



# TIDE COMPUTATION

PROJECT NO. Ph. 35(48)P. 9308

Time and date of exposure April 16, 1949 11:22 Reference station MAYPORT

Mean range 0.8

Date of field inspection Subordinate station GREEN COVE SPRINGS

Ratio of ranges 0.2

	Time		Height feet	Height x Ratio of ranges		Time	
	h.	m.				h.	m.
High tide	10	45	4.3	.86	High tide at Ref. Sta.	10	45
Low tide	4	32	-0.4	-.08	Time difference	5	50
Duration of rise or fall	6	13		.94	Corrected time at Subordinate station	16	35

Low tide at Ref. Sta.	4	32
Time difference	5	50
Corrected time at Subordinate station	10	22

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T.	10	22	Ht. <del>W/T</del> or L. T.	-0.1	Feature bares		
Required time	11	22	Tabular correction	0.1	Stage of tide above MLW		
Interval	1	00	Stage of tide above MLW	0.0	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by Rudolph Dossett 7/5/51

Checked by Robert B. Wagner 7/5/51



FIELD EDIT REPORT  
Project Ph-35A(48)  
Quadrangle T-9308

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work started 31 July 1952 and was completed 15 September 1952. (Note: One hundred sixty hours annual leave taken during this period.)

Field edit data appears on the field edit sheet, discrepancy prints, blueprint, field photographs 49-0-279 thru 281, 49-0-297 thru 300, and in this report.

The reviewer's questions are answered on the discrepancy prints when feasible.

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

52. ADEQUACY OF COMPILATION

The map compilation is 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 good.

See 566

Several corrections to contours were made in the southwest corner of the area.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. Robert M. Angus, registered civil engineer and land surveyor, 402 Hildebrandt Building, Jacksonville, Florida, is best qualified to examine a proof copy of this work.



Ref. to Item 48 - Compilation Report.

1. CAMP CHOWENAW - Recommend that this name be deleted from the map.

The buildings at this camp are rapidly deteriorating and at best the name is of temporary nature and importance.

56. SHORELINE AND ALONGSHORE FEATURES

Ref. to Item 7 - Field Inspection Report

Additional piers, boat houses and houses along the shores of Black Creek, Swimming Pen Creek, Governors Creek and St. Johns River have been shown on the field edit sheet.

57. LANDMARKS AND AIDS

Ref. to Item 37 - Compilation Report

~~Black Creek Fire Lookout~~ <sup>ENR</sup> Tower, 1951 is recommended as the only suitable landmark in this area.

According to information obtained from local fishermen, some of whom have lived on or near New Switzerland Point for more than forty years, New Switzerland Point Light 31 has not been moved since it was rebuilt in 1933.

Plane table cuts were taken to this light and a new position is indicated as shown on the field edit sheet.

58. BOUNDARIES, MONUMENTS AND LINES

Ref. to Item 10 - Field Inspection Report.

Several additional boundary monuments <sup>and section corners ENR</sup> were recovered and located on the field edit sheet.

FLEMING ISLAND FIELD

The correct limits of Fleming Island Field, proper, is indicated on the field edit sheet and also all land owned by the U. S. Government adjacent to the field. Corrections to the reservation boundary have been shown on the field edit sheet.



SWITZERLAND FIELD

The correct limits of Switzerland Field, proper, is shown on the field edit sheet. There is additional land owned by the U. S. Government, adjacent to this field, which appears on a copy of a blueprint that is being submitted.

All information pertaining to these two fields was obtained from the Public Works Department, Naval Air Station, Jacksonville, Florida.

59. OTHER INTERIOR FEATURES

Ref. to Item 12 - Field Inspection Report.

Numerous additional roads and buildings have been shown on the field edit sheet.

The reclassification of roads, where justifiable, has been indicated on the field edit sheet.

An underground cable runs throughout the quadrangle from north to south, west of the St. Johns River. This feature has been indicated on the photographs.

60. OTHER CONTROL

Ref. to Item 49 -- Compilation Report.

Topographic stations GEAR, 1935 and ELIZ, 1935 have been located on photographs 49-0-279 and 280, respectively. Control station identification cards are submitted.

JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

19 September 1952  
Submitted by:

*James E. Hundley*  
James E. Hundley,  
Cartographer

23 September 1952  
Approved by:

*Paul Taylor*  
Paul Taylor  
Lt. Comdr., USC&GS  
Chief of Party



## PHOTOGRAMMETRIC OFFICE REVIEW

50.

T- 9308

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

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) J.G. ~~XXXXXXXXXXXX~~ 8. Bench marks J.G.  
 9. Plotting of sextant fixes J.G. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. ~~XX~~ 15. Bridges J.G. 16. Aids to navigation J.G. 17. Landmarks J.G. 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

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

## BOUNDARIES

31. Boundary lines J.G. 32. Public land lines J.G.

## MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.  
 40. JESSE A. GILES Jesse A. Giles William A. Rasure  
 Reviewer Supervisor, Review Section or Unit

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.

Jesse A. Giles William A. Rasure  
 Confirmer Supervisor

43. Remarks:



Review Report T-9308  
Topographic Map  
15 July 1953

62. Comparison with Prior Topographic Surveys:

T-1459	1:20,000	1876-77
T-2027	1:80,000	1875
T-5240	1:10,000	1935
T-5271	"	"
T-5319	"	"
T-5663	"	"

Survey T-9308 is to supersede these prior surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Orange Park, Florida (C. of E Quad) 1:62,500, 1918  
reprinted 1942

In general agreement. The quadrangle shows the St. Johns Co.-Clay Co. line at the center of the St. Johns River, whereas T-9308 shows it nearer the west bank which is in accordance with the boundary description.

64. Comparison with Contemporary Hydrographic Surveys: None.

65. Comparison with Nautical Charts:

685	1:40,000	1952, corrected 53 2/2
-----	----------	------------------------

Changes made during the field edit and review which includes the addition of numerous shoreline structures should be added to the nautical chart when next revised. Roads at Neilhurst should be deleted from the chart.

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Junctions:

Green Cove Springs (USGS) 1:24,000 1949 (latitude 30° 00')

Junction with this quad was made at the time of this review, except as noted below:

At longitude 81° 40.8' - Street on T-9308. New - added by the field editor.



At longitude  $81^{\circ} 41.9'$  - Section line discrepancy. Position referenced to a monument on T-9308.

42.6' - Underground telegraph line with prominent clearing and a transmission line on T-9308 not on G.S. quad.

43.4' - An unimproved dirt road in woods on G.S. quad which had lost its significance at the time of field work on T-9308.

43.9' - New improved dirt road on T-9308 located by the field editor.

41.7' & 42.3' - T-9308 shows swamp which is consistent with the classification throughout project.

41.8' to 42.6' - A 10' datum difference in contours could not be reconciled. The original field work on T-9308 was verified by the field editor.

Middleburg (USGS) 1:24,000 1949 (longitude  $81^{\circ} 45'$ )

Junction with this quad was made at the time of this review, except as noted below:

At latitude  $30^{\circ} 00.2'$  - Trail on G.S. quad; insignificant at time of T-9308 field work.

00.5' - Unimproved dirt road on G.S.; improved dirt road on T-9308.

00.8' - New improved dirt road on T-9308, added by field editor - a different alignment than roads on G.S. quad.

00.8' - Section line discrepancy. Referenced to located monument on T-9308.

00.4' & 01.2' - Difference in swamp classification along streams.

01.5' to 02.0' - Several logging roads on G.S. quad which were insignificant at time of T-9308 field work.



At latitude 30° 01.7' - Section line discrepancy. Referenced to a located monument on T-9308.

03.3' - A paved medium-duty road on T-9308; light-duty road on G.S. quad.

06.0' - A new alignment for a medium-duty road is shown on T-9308.

Reviewed by:

Everett H. Ramey  
Everett H. Ramey

APPROVED:

R. C. Lande  
Chief, Review Branch  
Photogrammetry Division

Wallace A. Bruder  
for Chief, Nautical Chart Branch  
Charts Division

Acting J. Bruce  
Chief, Photogrammetry Division

[Signature]  
Chief, Coastal Surveys Division



## History of Hydrographic Data for T-9308

Hydrography was added to the map manuscript in accordance with the general specifications of 18 May 1949. Depth curves and soundings are in feet at mean low water and originate with the following:

### C&GS hydrographic surveys:

H-6296	1:20,000	1934-35
H-6297	"	1935
H-6544	1:5,000	1939

and U. S. Engineers survey:

Blue Print No. 42334, 1:10,000, 1946-47

Comparison was also made with Nautical Chart No. 685, 1:40,000, 1952 corr. to 53 2/2.

Hydrography was compiled by Everett H. Ramey on 27 October 1953 and verified by O. Svendsen.

*Everett H. Ramey*  
\_\_\_\_\_  
Everett H. Ramey



48. GEOGRAPHIC NAME LIST.✓ ATLANTIC COAST LINE✓ BLACK CREEK✓ CAMP CHOWENNAW \*✓ CATFISH POINT✓ CLAY COUNTY✓ COMMISSIONERS DISTRICT 1 (CLAY CO.)

✓ " " 2 (CLAY CO.)

✓ " " 2 (ST. JOHNS CO.)

✓ " " 5 (CLAY CO.)

✓ CUNNINGHAM CREEK✓ DOCTORS LAKE✓ DUVAL COUNTY✓ FELLOWSHIP PARK✓ FLEMING CEMETERY✓ FLEMING ISLAND✓ FLEMING ISLAND FIELD✓ FLORIDA✓ FRUIT COVE✓ FRUIT COVE ROAD✓ GOVERNORS CREEK✓ GREEN COVE SPRINGS✓ HALLOWES COVE✓ HIBERNIA✓ HIBERNIA POINT✓ HOG POINT✓ JESSIE ISLAND✓ KENTUCKY BRANCH✓ LITTLE JESSIE ISLAND✓ MAGNOLIA POINT✓ MAGNOLIA SPRINGS✓ MAINARD BRANCH✓ MILL COVE✓ MILL CREEK✓ MOCCASIN SLOUGH (Applies to T9304)

*See 855*  
~~Camp Chowenaw~~ (form recommended by Names Report)

Congregational Holiness Church (added)

Dead Lake (added)

Mt. Pleasant Church



48. GEOGRAPHIC NAME LIST (CONTINUED)

- ✓ NEILHURST
- ✓ NEW SWITZERLAND POINT
- ✓ ORANGE GROVE BRANCH
- ✓ PECKS BRANCH
- ✓ PETERS BRANCH
- ✓ PETERS CREEK
- ✓ POPO POINT
- ✓ RAGGED POINT
- ✓ REMINGTON PARK \*
- ✓ RUSSELL
- ✓ RUSSELL LANDING
- ✓ ST. JOHNS COUNTY
- ✓ ST. JOHNS RIVER
- ✓ ST. LUKES CHURCH
- ✓ ST. MARGARET CHURCH
- ✓ SWIMMING PEN CREEK
- ✓ SWITZERLAND
- ✓ SWITZERLAND FIELD
- ✓ STATE NO. 13
- ✓ STATE NO. 220
- ✓ U. S. NO. 17 State No. 15
- ✓ WILKIES POINT

PUBLIC LAND GRANTS.

- ✓ MOSES E. LEVY
- ✓ GEORGE FLEMING HEIRS
- ✓ THOMAS TRAVERS HEIRS
- ✓ FRANCIS P. FATIO
- ✓ GEORGE I. F. CLARKE ?
- ✓ E. A. FERGUSON
- ✓ WILLIAM HARVEY
- ✓ S. CASHEN
- ✓ REBECCA PENGREE ? See D. R. F-9309
- ✓ CONSTANCE MC FEE
- ✓ F. M. ARREDONDO HEIRS

Names underlined in  
red are approved. Based  
on Project Names Report.  
2-25-52  
L. Heck

Checked & approved  
7-15-53  
A. J. W.

\* To be checked by Field Editor. (Project names report  
approved location on  
manuscript of T-9308)



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED  
TO BE DELETED

**STRIKE OUT ONE**

Tampa Photogrammetric Office, Tampa, Fla. 3 July 1951

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Tampa Photogrammetric Office

Arthur L. Wardwell	Chief of Party.
--------------------	-----------------

Arthur L. Wardwell

*Chief of Party.*

STATE FLORIDA		POSITION		METHOD OF LOCATION AND SURVEY No.		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED		
			°	'	D.M. METERS	°								'	D.P. METERS
LT. 40	RAGGED POINT (Red Square daymark on dolphin)		30	07	400.6	81 40	1315.9	N.A.	Triang.	Mar. 1950	X		685		
BW. 44	HIBERNIA (Red square daymark on pile dolphin)		30	04	35.5	81 41	444.3	"	"	"	X		685		
LT. 31	NEW SWITZERLAND POINT (Black square daymark dolphin)		30	03	1205.8	81 40	653.8	"	Theod.	"	X		685		
BW. 46	MAGNOLIA PT. (Red square daymark on pile dolphin)		30	01	749.0	81 41	396.0	"	Triang.	1934	X		685		
LT. 33	POPO POINT (Black square daymark dolphin)		30	01	612.2	81 40	306.4	"	"	1935	X		685		
LT. 50	GREEN COVE SPRINGS (Red square daymark on dolphin)		30	00	361.3	81 39	1115.0	"	"	1934	X		685		
			Filed as part of Chart Ltr 173 (1952)												

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



AERONAUTICAL

# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**STRIKE OUT ONE**

TO BE CHARTED  
TO BE DELETED

Tampa Photogrammetric Office, Tampa, Fla. 3 July

1951

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by Rudolph Dossett.

Tampa Photogrammetric Office

Arthur L. Wardwell

*Chief of Party.*

[illegible]

Filed as part of Chart Ltr 173 (1952)

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



**TO BE CHARTED**

~~2.T07.BE2.DELETED~~

STRIKE OUT ONE

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office

Tampa, Florida

11 July

1957

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

Tampa Photogrammetric Office

*Chief of Party.*

Arthur L. Wardwell

[illegible]

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



# NON-FLOATING AIDS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 10 Oct 1952

The positions given have been checked after listing by

**Eudolph Dossett, Carto. Photo. Aid**

*Chief of Party.*

34

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



TO BE CHARTED  
~~TO BE DELETED~~

**STRIKE OUT ONE**

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 10 Oct., 1952

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Rudolph Dosssett, Carto. Photo. Aid.

*Chief of Party.*

[illegible]

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



~~XXXXX~~ BE DELETED

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D.C. 15 July, 1953

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be inspected from seaward to determine their value as landmarks)~~ been inspected from seaward to determine their value as landmarks be inspected from seaward to determine their value as landmarks

The positions given have been checked after listing by

**Everett H. Ramsy**

S. V. Griffith, Wash. Of 8/4/40.

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. *Individual field survey sheets*. Information on under each column it be given.