

# 9306

Diag. Cht. No. 1243-2.

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-9306

### LOCALITY

State Florida

General locality East Coast

Locality Ponte Vedra Beach

1949-52

### CHIEF OF PARTY

H.F. Garber, Chief of Field Party

A.L. Wardwell, Tampa Photo. Office

### LIBRARY & ARCHIVES

DATE January 2, 1959

# 9306

# DATA RECORD

T - 9306

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**  
**Supplement Instructions No. 1, 8 March 1950**

Copy filed in Division of  
 Photogrammetry (IV)

*Office Files*

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

Manuscript Scale (III): **1:20,000**

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

Scale Factor (III): **None**

Date received in Washington Office (IV):

**FEB 19 1952**

Date reported to Nautical Chart Branch (IV): **27 Feb 1952**

Applied to Chart No.

Date:

Date registered (IV):

**3/20/58**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N. A. 1927**

Vertical Datum (III): **MSL**

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): **PALM, 1932**

Lat.: **30° 12' 26".197 (806.7m)**

Long.: **81° 22' 51".249 (1370.7m)**

Adjusted  
 Unadjusted

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.



[illegible]

Areas contoured by various personnel

(Show name within area)

(U) (SII)

# DATA RECORD

Field Inspection by (II): John R. Smith, Cart. Sur. Aid

Date: 15 Feb. 1951 to  
20 April 1951

Planetable contouring by (II): John R. Smith, Cart. Sur. Aid

Date: 15 Feb. 1951 to  
20 April 1951

Completion Surveys by (II): James E. Hundley

Date: 20 May 1952

Mean High Water Location (III) (State date and method of location): 15 March 1950 - Air Photo  
Compilation.

Photographs taken 1949

Projection and Grids ruled by (IV): T. L. J. (W. O.)

Date: 10 Oct. 1950

Projection and Grids checked by (IV): H. D. W. (W. O.)

Date: 12 Oct. 1950

Control plotted by (III): I. I. Saperstein

Date: 24 Nov. 1950

Control checked by (III): R. J. Pate

Date: 28 Nov. 1950

Radial Plot ~~5/25/50~~

~~5/25/50~~ by (III): M. M. Slavney

Date:  
15 Dec. 1950

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Inapplicable

Date:  
Date:

Manuscript delineated by (III): R. A. Reece

Date: 13 July 1951

Photogrammetric Office Review by (III): J. A. Giles

Date: 16 Jan. 1952

Elevations on Manuscript  
checked by ~~RB~~ (III): R. A. Reece

Date: 9 July 1951



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

Number	Date	Time	Scale	Stage of Tide
49-0-218	16 April 1949	0958	1:20,000	4.2
49-0-219	"	0959	"	4.2
49-0-220	"	0959	"	4.2
49-0-233 to 234	"	1013-1015	"	4.2
49-0-241 to 245	"	1027-1029	"	(Inland)
49-0-258 to 261	"	1045-1047	"	"

Tide (III)

(Tide computation submitted with T-9307)

Reference Station: MAYPORT, FLORIDA  
Subordinate Station: St. Augustine Inlet, Fla.  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	4.5	5.3
1.0	4.5	5.3

Washington Office Review by (IV):

Date:

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

Date: 9-58

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

Date: 9-18-58

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

64

Shoreline (More than 200 meters to opposite shore) (III): 10 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 16 " "

Control Leveling - Miles (II): 37.5

Number of Triangulation Stations searched for (II): 28 Recovered: 23 Identified: 13

Number of BMs searched for (II): 16 Recovered: 12 Identified: 5

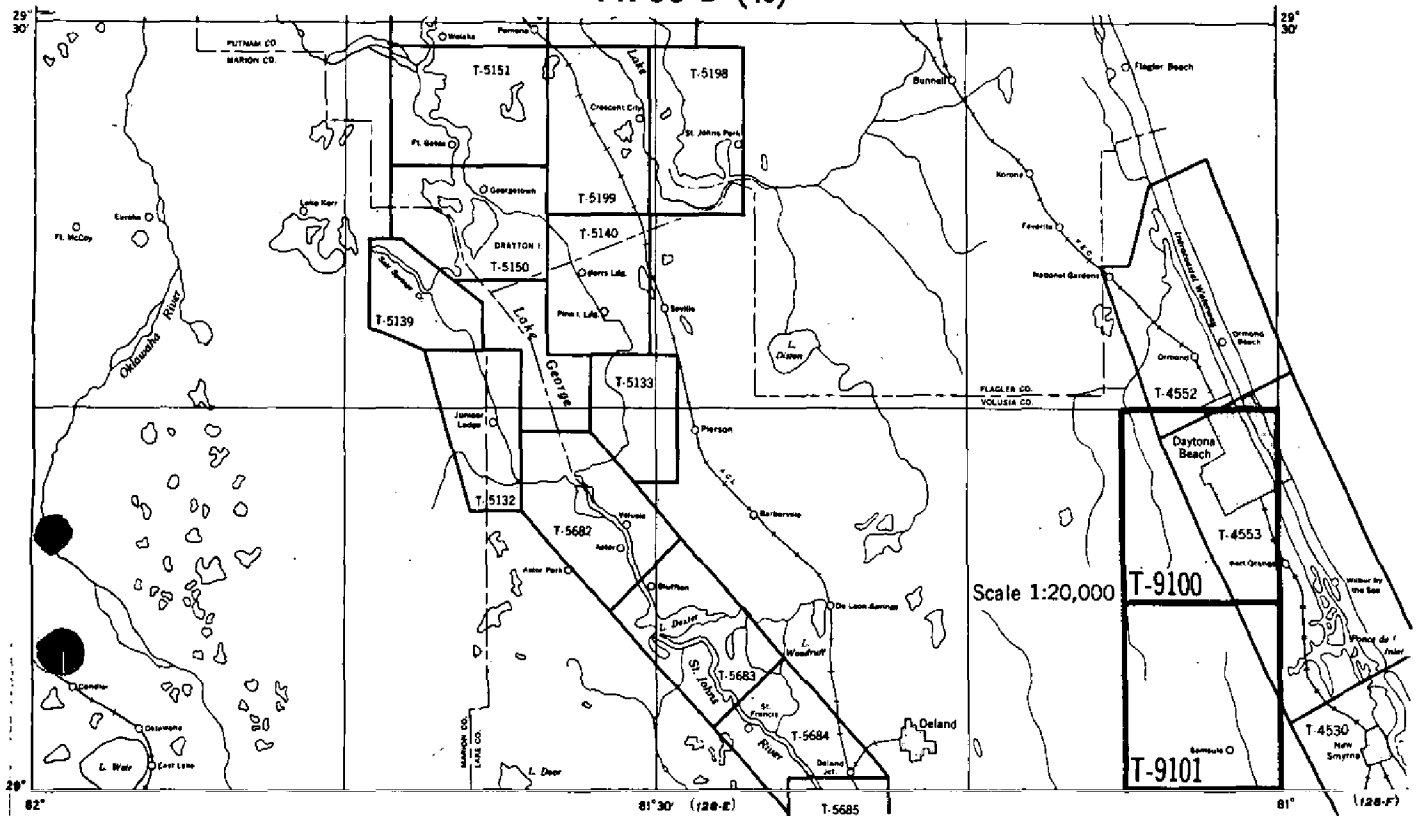
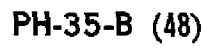
Number of Recoverable Photo Stations established (III): 27

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

## Page 5

**PH-35 - A (48)**





Summary to Accompany Topographic Map T-9306

Map T-9306 is one of ten topographic maps in project Ph-35(48). It covers a portion of the Atlantic Ocean and the Intracoastal Waterway and the adjacent land area.

Project Ph-35(48) is a graphic compilation project. Field work in 1951 in advance of compilation included the recovery of control, complete field inspection, the location of boundaries, land lines, the investigation of geographic names and contouring directly on photographs by planetable.

Map T-9306 was compiled at a scale of 1:20,000 using single-lens photographs taken in 1949. It covers  $7\frac{1}{2}'$  in latitude by  $7\frac{1}{2}'$  in longitude. After compilation, the map was completely field edited. With the addition of hydrographic data the map will be forwarded to the Geological Survey for publication as a standard topographic quadrangle.

Items registered under T-9306 will include a <sup>CROTA</sup>~~cloth-~~  
~~backed-lithographic~~ copy of the map manuscript at a scale of 1:20,000, a cloth-backed color print of the published map at a scale of 1:24,000, and the original descriptive report.

## FIELD INSPECTION REPORT

Quadrangle T-9306  
30-07-30/81-22-30  
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-35A(48), and Supplement I, dated 8 March 1950, 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>
Henry R. Spies Cart. Sur. Aid	Horizontal control Recovery	1 Feb. 1950 to 15 Feb. 1950
Leo F. Beugnet Cart. Sur. Aid	Shoreline	15 March 1950 to 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 Duval and St. Johns Counties. This is a sparsely settled area, the chief industries of which are lumbering and cattle raising. Palm Valley Community and Ponte Vedra Beach are the only settlements within the area, neither of which are incorporated. The Intracoastal Waterway runs through the entire quadrangle, and a portion of the Atlantic Ocean is included on the sheet. Florida State Highway No. 210 runs across the ~~south~~east portion of the quadrangle.

Special attention is called to the area west of the Intracoastal Waterway. This area has no improved roads and cannot be entered except by obtaining keys to the locked gates which enter the private properties of the ranches. There are five main entrances into this area. Listed below are the local people to be contacted for keys when entering:

<u>Name</u>	<u>Location</u>	<u>Address</u>
Mr. Spooner	Foreman of Stockton Ranch	Bayard, Florida
Mr. R. D. Skinner	Owner of Skinner Ranch	Sunbeam, Florida
Dr. Roberts	Owner of ranch near Palm Valley Bridge	Jacksonville Beach, Florida



<u>Name</u>	<u>Location</u>	<u>Address</u>
Mr. Ben McCormick	Owner of ranch near Palm Valley Bridge	Jacksonville Beach, Florida
Mr. W. A. Hodges	Owner of ranch north of Pablo Creek	President of Duval Eng., Inc., Jacksonville, Florida

No difficulty was encountered in the interpretation of the photographs. 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>
E-19	Florida Geodetic Survey	Third	N.A. 1927
E-20	"	"	"
E-21	"	"	"
E-22	"	"	"
E-23	"	"	"
AA-23	"	"	"
AA-24	"	"	"
AA-25	"	"	"
AA-26	"	"	"
AA-27	"	"	"
AA-28	"	"	"
AA-29	"	"	"
AA-30	"	"	"
AA-31	"	"	"
Prim. Trav. Sta. No. 5K	U. S. Geological Survey	"	"
U.S.G.S. B.M.	"	"	"
TT-75 CWH	"	"	"
TT-76 CWH	"	"	"
TT-77 CWH	"	"	"
TT-78 CWH	"	"	"
TT-79 CWH	"	"	"
TT-80 CWH	"	"	"
TT-81 CWH	"	"	"

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

Prim. Trav. Sta. No. 5K (USGS), 1917  
Casa Marina Water Tank, 1932  
Pablo, 1932  
AA-28 (Fla. Geod. Sur.), 1934  
AA-31               "               "

Six 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>
E-19	Florida Geodetic Survey	Third
E-20	"	"
E-21	"	"
E-22	"	"
E-23	"	"

(b) Thirty-seven miles of supplemental levels were run with a Wye level, beginning and closing on bench marks of third order accuracy or better. The greatest error of closure on any line was 0.60 foot. The line was adjusted by dividing the error by the number of instrument set-ups.

(c) The first and last fly level points are 06-1 and 06-49.

(d) Inapplicable.

#### 5. CONTOURS AND DRAINAGE

The contouring was done by planetable methods directly on single-lens photographs (1:20,000 scale), at a contour interval of five (5) feet.

The terrain west of the Intracoastal Waterway is quite irregular. This area is composed of a series of sand ridges, some of which rise to a height of 58\* feet in the west central portion. These ridges are broken by flat swamps, which in many cases have no definite drainage. The terrain east of the Intracoastal Waterway is quite flat, with elevations ranging from 4 to 15 feet. The natural drainage is by Pablo Creek in the north, Durbin Swamp in the south, and the Intracoastal Waterway in the east.

\* 56 highest spot elevation shown by field ENR



## 6. WOODLAND COVER

The cover was classified in accordance with Paragraph 5433 of the Topographic Manual, Part 11, dated 1949.

The entire area, except for the swampland, is covered by low palmetto. Both oak and pine trees grow on the high areas. The swamps, for the most part, have a mixture of gum and cypress growing in them, with a heavy undergrowth. Scattered pine are found in most of the areas classified as "Open". The ranchers are improving their grass for cattle, and have cut down most of the trees.

## 7. SHORELINE AND ALONGSHORE FEATURES

(a) The shoreline for this quadrangle was inspected on single-lens photographs 1:20,000 scale.

Only a small portion of the shoreline of the Atlantic Ocean falls within the limits of the quadrangle. Measurements from identifiable points on the photographs were made to the high-water line, at approximately three-quarter mile intervals. The area along the Intracoastal Waterway was inspected by skiff. The banks of the river have undergone no changes since photography. *L of Waterway*

(b) The low-water line along the beach was located by the same methods used on the high-water line.

No attempt was made to accurately locate the low-water line along the Intracoastal Waterway. However, the area was inspected at low-water, and a low-water line has been shown where it was discernible on the photographs.

(d) Bluffs - Along this portion of the Atlantic Ocean, sand dune heights range from 10 to 15 feet, and are depicted by the contours.

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

(f) There are no submarine cables within the quadrangle.

## 8. OFFSHORE FEATURES

There were no offshore features noted during the field inspection.

## 9. LANDMARKS AND AIDS

(a) Two water tanks at Ponte Vedra Beach have been recommended on Form 567 for charting.

(b) No interior landmarks are recommended.

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



(d) Two daybeacons, along the the Intracoastal Waterway, were located by theodolite cuts from identifiable photogrammetric points, *See § 57* and have been reported on Form 567. (See Supplement 1 of Instructions, dated 8 March 1950.)

#### 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 number in General Files, Div. of Photogrammetry.*

Twenty-five section corners were recovered and identified. No grant corners were found. *See § 58*

This sheet falls within Commissioner's District No. 1 in St. Johns County and Commissioner's District No. 5 in Duval County.

#### 11. OTHER CONTROL

There were no topographic stations established. (See Supplement 1 of Instructions, dated 8 March 1950.) *See § 38*

#### 12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with Paragraph 5441 and 5446 of the Topographic Manual, Part 11, 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✓ - not yet received 3-12-52)*  
This is the subject of a "Special Report" which was submitted by Joseph K. Wilson, Cartographer, on 21 July 1950. *Filed in Geographic Names Section, Div. of Charts.*

Several new names were noted along the north project limits of quadrangle T-9305 and T-9306 during the field inspection. These names have been shown on previous Federal maps and are recommended. They have been underlined in black on quadrangle sheets of Jacksonville Beach and Arlington, and also on single-lens photographs numbers 49-O-241 and 49-O-261 where there was coverage. The following is a



list of the names concerned:

BELFORT ROAD ✓  
BIG ISLAND SWAMP ✓  
 x BOGGY SWAMP *Branch* ✓  
BUCK HEAD BRANCH ✓  
 x CEDAR SWAMP CREEK ✓  
FIRST PUNCHEON BRANCH ✓  
MILL DAM BRANCH ✓  
PHILLIPS HIGHWAY = U.S. 1 ✓  
 x RYALS SWAMP ?  
SAWMILL SLOUGH ✓  
SECOND PUNCHEON BRANCH  
THIRD PUNCHEON BRANCH  
TIGER HOLE SWAMP  
WOLF BAY

x = T-9306

others on T-9305 - Listed under  
\$55 Desc. Report  
for T-9305

The following local residents were consulted in the investigation and have verified these names:

- |  |   |
|--|---|
| 1. Cedell Simpson<br>Hogan Road<br>Jacksonville 7, Florida                   | Forest Ranger in<br>this area for 10<br>years.              |
| 2. H. A. Oesterreicher<br>1st St. & 16th Ave., S<br>Jacksonville Beach, Fla. | Has lived near Pablo<br>Creek for 40 years.                 |
| 3. R. O. Moor<br>Love Grove Rd.<br>Jacksonville 7, Florida                   | Retired business man;<br>has lived in area for<br>50 years. |
| 4. B. G. Skinner<br>Parental Home Rd.<br>Jacksonville 7, Florida             | Dairyman; has lived<br>in area for 50 years.                |

#### 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 April 1951  
Submitted by:

*John R. Smith*  
John R. Smith,  
Cart. Sur. Aid

20 April 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.

# LIST OF DIRECTIONS

9306

Station Photo Pt 1 State Florida

Chief of party H.F. Garber Date 11 Apr. 1950

Computed by LFB

Observer L.F. Bergnet Instrument Transit

Checked by JKW

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction*	Corrected direction with zero initial	Adjusted direction*
<u>Photo Pt. 2</u>	<u>0 00 00.00</u>			<u>0 00 00.00</u>	
<u>Pablo creek</u>					
<u>Day beacon 57</u>	<u>205 28 00</u>				
<u>Pablo creek</u>					
<u>Day beacon 58</u>	<u>291 03 00</u>				
<u>Distance from Photo Pt 1 to Pablo creek Day beacon 57 = 330 ft.</u> <u>or 100.6 M</u> <u>" " " " " " " " " 58 = 752 ft.</u> <u>or 229.2 M</u>					

\* These columns are for office use and should be left blank in the field.



Station: Ken

State: Maryland

Chief of party: C. V. H.

Date: 1917

Computed by: O. P. S.

Observer: C. V. H.

Instrument: No. 168

Checked by: W. F. R.

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction	Corrected direction with zero initial	Adjusted direction
	° ' "	' "	"	° ' "	' "
Chevy	0 00 00.00	- 7.31		0 00 00.00	
Tank west of Δ Dulce	29 03 37.0	-1 09.8		29 02 34.5	
Ken (center), 3.469 meters	176 42				
Forest Glen standpipe	313 24 53.0	+3 01.2		313 28 01.5	
Home	328 31 30.21	+ 31.93		326 32 09.45	
Bureau of Standards, wireless pole	352 17 20.8	+ 5.7		352 17 33.8	
Reno	357 28 48.63	- 1.16		357 28 54.78	
Reference mark, 16.32 m.	358 31 20				

Ken eccentric  
To Home  
3.469 m  
149° 50'

This form, with the first three and fifth columns properly filled out and checked, must be furnished by field parties. *To be acceptable it must contain every direction observed at the station.*

It should be used for observations with both repeating and direction theodolites.

The directions at only one station should be placed on a page.

If a repeating theodolite is used, do not abstract the angles in tertiary triangulation. The local adjustment corrections (to close horizon only) are to be written in the Horizontal Angle Record, and the List of Directions is to be made from that record directly.

Choose as an initial for Form 24A some station involved in the local adjustment, and preferably one which has been used as an initial for a round of directions on objects not in the main scheme. Use but one initial at a station. Call the direction of the initial 0° 00' 00." 00, and by applying the corrected angles to this, fill in opposite each station its direction reckoned *clockwise* around the whole circumference regardless of the direction of graduation of the instrument. The clockwise reckoning is necessary for uniformity and to make the directions comparable with azimuths.

If a station has been occupied eccentrically, reduce to the center and enter in this form, in ink, the resulting corrections to the observed directions in the column provided for them. If an eccentric reduction is necessary, but not made in the field, leave the column blank. If the station was occupied centrally, and no eccentric reduction is required, put dashes in the column to show that no corrections are necessary.

Directions in the main scheme should be entered to hundredths of seconds in first-order triangulation; otherwise to tenths only. Points observed upon but once, direct and reverse, should be carried to tenths in first-order and second-order triangulation, and to even seconds only in third-order triangulation. In general, but two uncertain figures should be given.

It is recommended that the following simple plan of observing be used with a repeating instrument: Measure each single angle in the scheme at each station and the outside angle necessary to close the horizon. *Measure no sum angles.* Follow each measurement of every angle immediately by a measurement of its explement. Six repetitions are to constitute a measurement. The local adjustment will consist simply of the distribution of the error of closure of the horizon.

# LIST OF DIRECTIONS

9306

UNITED STATES ENGINEER

Station station, 1932 State Florida

Chief of party H.F. Garber Date 11 Apr. 1930

Observer L.F. Beagnot Instrument transit

Computed by L.F.B.

Checked by L.F.B.

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction*	Corrected direction with zero initial	Adjusted direction*
UNITED STATES ENGINEER station, AZ. 11K. 1932 Gord. Az. 192° 54' 46.4"	0 00 00.00	00.00 00	0	0 00 00.00	
Pablo Creek					
Daybeacon 58	147 11 40				
Pablo Creek					
Daybeacon 57	147 50 00				

\* These columns are for office use and should be left blank in the field.



Station: Ken

State: Maryland

Chief of party: C. V. H.

Date: 1917

Computed by: O. P. S.

Observer: C. V. H.

Instrument: No. 168

Checked by: W. F. R.

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction	Corrected direction with zero initial	Adjusted direction
	° ' "	' "	"	° ' "	' "
Chevy	0 00 00.00	- 7.31		0 00 00.00	
Tank west of Δ Dulce	29 03 37.0	-1 09.8		29 02 34.5	
Ken (center), 3.469 meters	176 42				
Forest Glen standpipe	313 24 53.0	+3 01.2		313 28 01.5	
Home	326 31 30.21	+ 31.93		326 32 09.45	
Bureau of Standards, wireless pole	352 17 20.8	+ 5.7		352 17 33.8	
Reno	357 28 48.63	- 1.16		357 28 54.78	
Reference mark, 16.82 m	358 31 20				

Ken eccentric  
To Home  
149° 50'  
3.469m  
Ken

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MAP T. 9306

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-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)
JACKSONVILLE BEACH BLACK MUNIC, W.T. 1932	G.P.s. 43	N.A. 1927	2,164,220.62 376,053.00	4,220.62 (5,779.38) 6,053.00 (3,947.00)	NORTH OF PROJ.		
U.S.E. STATION 1932	G.P.s. 43	"	30 15 10.677 81 25 51.272		"	328.8 (1,518.8) 1,370.7 ( 233.3)	
PAIM, 1932	G.P.s. 3	"	30 12 26.197 81 22 51.249			806.7 (1,040.8) 1,370.7 ( 234.0)	
AA24, 1934 (Fla. Geod. Sur.)	Duval County Sta.Desc.	"	2,175,540.18 350,023.25	5,540.18 (4,459.82) 23.25 (9,976.75)	NORTH OF PROJ.		
AA26, 1934 (Fla. Geod. Sur.)	"	"	2,176,882.44 358,763.70	6,882.44 (3,117.56) 8,763.70 (1,236.30)	"		
AA27, 1934 (Fla. Geod. Sur.)	"	"	2,177,778.87 361,681.94	7,778.87 (2,221.13) 1,681.94 (8,318.06)	"		
AA29, 1934 (Fla. Geod. Sur.)	"	"	2,178,055.98 374,281.95	8,055.98 (1,944.02) 4,281.95 (5,718.05)	"		
E 19, 1934 (Fla. Geod. Sur.)	St. Johns County Sta.Desc.	"	2,114,518.57 380,607.84	4,518.57 (5,481.43) 607.84 (9,392.16)			
E 20, 1934 (Fla. Geod. Sur.)	"	"	2,112,092.36 380,747.78	2,092.36 (7,907.64) 747.78 (9,252.22)			
E 21, 1934 (Fla. Geod. Sur.)	"	"	2,110,201.49 379,716.24	201.49 (9,798.51) 9,716.24 ( 283.76)			
E 22, 1934 (Fla. Geod. Sur.)	"	"	2,108,730.72 379,354.69	8,730.72 (1,269.28) 9,354.69 ( 645.31)			
E 23, 1934 (Fla. Geod. Sur.)	"	"	2,108,336.09 378,256.34	8,336.09 (1,663.91) 8,256.34 (1,743.66)			

1 FT. = 3048005 METER

COMPUTED BY: I.I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 2 August 1950

M. 2388-12

4



MAP T-9306

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:20,000.....

SCALE FACTOR ..... 1.000

[illegible]

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

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 2 August 1950

M-2388-12



COMPILATION REPORT T-9306

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9101.

31. DELINEATION.

The graphic method was used.

32. CONTROL.

Adequate control was provided. Identification was positive. Density and placement were good.

33. SUPPLEMENTAL DATA.

~~None used.~~ *GLO plats used. S/HK*

34. CONTOURS AND DRAINAGE.

No particular difficulty was encountered in delineating the drainage or contours.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate. No difficulty was encountered in the delineation of these features. There are no shoal lines. Low-water line is shown according to field inspector's notes.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

See Item 9.



### 38. CONTROL FOR FUTURE SURVEYS.

Paragraph 11 is in error in that 21 Forms 524 were submitted. Nineteen are for section corners and 2 are for landmarks which have been listed under Item 49.

### 39. JUNCTIONS.

Junctions were made with Surveys T-9305 to the west; T-9307 to the east; T-9310 to the south; and U.S.G.S. Quadrangle MAYPORT, scale 1:62,500, surveyed in 1917, to the north. All were in agreement. *See § 67*

### 40. HORIZONTAL AND VERTICAL ACCURACY.

No statement. *See § 53*

### 41. PUBLIC LAND LINES.

Numerous discrepancies were found in distances and bearings on the land office plats, but due to the number of section corners recovered, the section lines are believed to be fairly reliable. Few points on grant lines were recovered so they are less reliable. A field edit check on grant lines is needed in order to confirm the lines as shown on the Section Line Discrepancy Print. *See § 58*

### 46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. Geological Survey PALM VALLEY quadrangle, scale 1:62,500, surveyed in 1917, printed in 1943. Agreement appears to be good. *See § 62*

### 47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U. S. C. & G. S. Nautical Chart No. 842, scale 1:40,000, edition of July 1944, bearing a correction date - 3 December 1950. The only major difference noted was the swamp areas. On the manuscript, almost half of the area is swamp land. Chart 842 shows only a very small area as swamp. No other major differences were noted. *See § 65*

### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Richard A. Reece  
Richard A. Reece  
Cartographic Survey Aid

APPROVED AND FORWARD:

Arthur L. Wardwell  
Arthur L. Wardwell  
Chief of Party



49. NOTES FOR THE HYDROGRAPHER.

Two (2) topographic stations that may be useful to the hydrographer are as follows:

TANK, 1950 (landmark)	} <i>Elevated</i>
TANK, 1950 (landmark)	

JUN 2 1952

FIELD EDIT REPORT  
Project Ph-35A(48)  
Quadrangle T-9306

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work was started 24 April 1952 and completed 12 May 1952.

Field edit data, additions, corrections and deletions, are shown on the discrepancy prints, field edit sheet and photographs 49-0-235, 236 and 244.

The reviewer's questions are answered on the discrepancy prints, field edit sheet and in this report.

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

52. ADEQUACY OF COMPILATION

The map compilation, in general, was 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 is relatively good.

Minor contour corrections were made in small areas scattered throughout the quadrangle. Two small areas of spoil (sand), adjacent to the Intracoastal Waterway, were contoured.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. Sam W. Faver, registered land surveyor, of Palm Valley, Florida, is best-qualified to examine a proof copy of this work.



Ref. to Item 13 - Field Inspection Report

All geographic names applicable to these particular areas are shown on the field edit sheets of T-9305 and T-9306.

56. SHORELINE AND ALONGSHORE FEATURES

The two sand spoil areas, along the shores of the Intracoastal Waterway, were formed by dredging ~~the bottom of the channel~~ and in no way affected the actual shoreline as shown on the field edit sheet.

The bulkhead along the shores of Ponte Vedra Beach is 150 feet from mean high water and is discernible in only a very few places along its entire length. *Deleted from manuscript.*

57. LANDMARKS AND AIDS TO NAVIGATION

Ref. to Item 9 - Field Inspection Report

The heights of two water tanks, located at Ponte Vedra Beach, were checked and found to be as follows:

A - TANK, 1950 (Ht. above ground = 125 ft.; Ht. above M.S.L. = 140 ft.) *(138 above MHW)*

B - TANK, 1950 (Ht. above ground = 125 ft.; Ht. above M.S.L. = 135 ft.) *(133 above MHW)*

Pablo Creek Daybeacon 58 has been removed and replaced by Special Buoy 58. Form 567 is submitted.

58. PUBLIC LAND LINES

Ref. to Item 41 - Compilation Report

Numerous additional section corners, grant line corners and points on land lines were recovered and plotted on the field edit sheet. Some corners were constructed on the field edit sheet from recovered monuments and data shown on the G.L.O. plats. It is believed that a sufficient number of these corners have been recovered to enable the compilation office to complete the construction of the lines.

59. OTHER INTERIOR FEATURES

Ref. to Item 12 - Field Inspection Report

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



60. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

*See § 67*

14 May 1952  
Submitted by:

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

20 May 1952  
Approved by:

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

PHOTOGRAMMETRIC OFFICE REVIEW

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

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. ~~2. Bench marks~~ 8. Bench marks J.G.  
9. Plotting of sextant fixes J.G. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

12. Shoreline J.G. 13. Low-water line J.G. ~~14. X X X X X X X X X X~~ 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.

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

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

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

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

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

José A. Giles  
Supervisor

M.2623.12





TO BE CHARTED  
TO BE DELETED

**STRIKE OUT ONE**

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa

13 July, 1951

I recommend that the following objects which have ~~been~~ *not* been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ *2222* the charts indicated.

The positions given have been checked after listing by Richard A. Reece  
Richard A. Reece, Tampa Photogrammetric  
Office

Arthur L. Wardwell  
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 individual field survey. Information under each column should be given.



48. GEOGRAPHIC NAME LIST.*Also see § 13*ATLANTIC OCEAN ✓BIG CYPRESS ✓BIG DAVIS CREEK ✓BOX BRANCH ✓Cabbage Swamp ✓CABBAGE CREEK ✓COMMISSIONERS DISTRICT NO. 1 ✓COMMISSIONERS DISTRICT NO. 5 ✓CRACKER LANDING (omit, per project names report)DIEGO PLAINS ✓DURBIN SWAMP ✓DUVAL COUNTY ✓FLORIDA ✓INTRACOASTAL WATERWAY ✓PABLO CREEK ✓PALM VALLEY BRIDGE ✓PALM VALLEY CHURCH ✓PALM VALLEY COMMUNITY ✓PALM VALLEY LANDING ✓PONTE VEDRA BEACH ✓PONTE VEDRA BEACH GOLF COURSE ✓POWERS BAY ✓RAGGED ISLAND ✓REEDY BRANCH ✓Scrub Ridge ✓ST. JOHNS COUNTY ✓STATE 1A ✓STATE 210 ✓TWENTY MILE ✓*(one word approved in project names report)*PUBLIC LAND GRANTSCHAIRS, BEN ✓CLARK, CHARLES AND GEORGE ✓CLARKE, DANIEL ✓CLARKE, GEORGE I.F. ✓CLARK, JAMES ✓COCIFACIO, PEDRO ✓*Names underlined in red are approved.**3-12-52**L. Healy**(Prior to field edit)*



48. GEOGRAPHIC NAME LIST.PUBLIC LAND GRANTS (CONTINUED)

DE CALA, PEDRO R ✓  
DE CASTRO, BARTOLOME0, Y FERRER ✓

ESPINOSA, SEBASTIAN (HEIRS OF) ✓

FACIO, PEDRO COCI ✓  
FAIRBANKS, SAM ✓  
FITCH, THOMAS (HEIRS OF) ✓

HALL, JAMES ✓  
HILL, CHRISTINA ✓

MATTAIR, LEWIS ✓  
~~MESTRE~~, PEDRO ✓  
MIRANDA, PEDRO ✓

~~PARY~~, ANDRES ✓  
PEAVETT, JOS. ✓

~~SALANA~~, P ✓  
SANCHEZ, FRANCIS XAVIER ✓  
SANCHEZ, JOS. S. ✓  
SANCHEZ, NICHOLAS ✓  
SEGUI, AGNEDA ✓

SABATE, PAUL ✓

Review Report  
Topographic Map T-9306  
24 September 1953

62. Comparison with Registered Topographic Surveys.--

T-713	1:10,000	1858
T-4084	1:20,000	1924

These surveys are to be superseded by this survey for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies.--

Palm Valley, Florida (USGS quad) 1:62,500, 1917 rep. 1943

There have been many cultural changes since this survey was made.

64. Comparison with Contemporary Hydrographic Surveys.-- None

65. Comparison with Nautical Charts.--

842 1:40,000 1952 corrected to 53 7/20

No discrepancies were detected. Small piers along the Intracoastal Waterway are not shown on 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.--

The north edge of T-9306 was junctioned with the U.S.G.S. 1948<sup>7</sup> Jacksonville Beach, Florida quadrangle. All discrepancies between contours at the junction were resolved. Trails and streams were not junctioned in every instance. Trails are overgrown with brush and other vegetation and appear as very indefinite images on the photographs.

Trails that occur at the junction on the USGS quadrangle but not on T-9306 are located at approximate longitude  $81^{\circ} 24.1'$  and  $81^{\circ} 24.6'$ .

A stream at approximate longitude  $81^{\circ} 28.2'$  and  $81^{\circ} 28.4'$  on the USGS quadrangle junctions with narrow fingers of swamp in which the stream proper is not shown on T-9306.



Reviewed by:

K. H. Mahi  
Everett H. Ramey  
for

APPROVED:

L. C. Lande  
Chief, Review Branch  
Photogrammetry Division

Max G. Letts  
Chief, Nautical Chart Branch  
Charts Division

W. E. Swanson  
Chief, Photogrammetry Division

J. S. D. D. D.  
Chief, Coastal Surveys Division

22 Dec 1956

## History of Hydrographic Data for T-9306

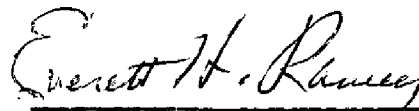
Hydrography was added to the map manuscript in accordance with the general specifications of 18 May 1949.

Depth curves and soundings are in feet at mean low water and originate with the following C&GS hydrographic surveys:

H-4373      1:20,000      1924

and nautical chart 842, 1:40,000, 1952 corrected to 53-7/20. Comparison was also made with Nautical Chart 1243, 1:80,000, 1940 corrected to 52-1/7.

The compilation was done by Everett H. Ramey on 23 October 1953 and verified by O. Svendsen.

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



## NAUTICAL CHARTS BRANCH

SURVEY NO. \_\_\_\_\_

### 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.