

9304

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-35-A(48) Office No. T-9304

LOCALITY

State Florida

General locality St. Johns River

Locality Jacksonville Naval Air Station

1949-52

CHIEF OF PARTY

H.F. Garber, Chief of Field Party

A.L. Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 5, 1958

B-1870-1 (1)

9304

DATA RECORD

T - 9304

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

Supplemental No. 1: 8 March 1950

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): **MAR 5 1952** Date reported to Nautical Chart Branch (IV): **3-12-52**

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): **JONES, 1934**

Lat.: **30° 10' 00".643 (19.8m.)** Long.: **81° 38' 53".623 (1434.8m.)**

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]

DATA RECORD

Field Inspection by (II): Leo F. Beugnet, Cart. Sur. Aid
Martin C. Moody Date: 1 March 1951 to
20 April 1951

Planetable contouring by (II): Leo F. Beugnet, Cart. Sur. Aid
Martin C. Moody Date: 1 March 1951 to
15 April 1951

Completion Surveys by (II): *James E. Hundley* Date: *7 Aug. 1952*

Mean High Water Location (III) (State date and method of location): 1 April 1950
Air Photo Compilation

Projection and Grids ruled by (IV): T. L. S. (W.O.) Date: 9 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: 1 Nov. 1950

Control checked by (III): R. J. Pate Date: 3 Nov. 1950

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

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

Manuscript delineated by (III): W. W. Dawsey Date: 24 Jan. 1952
/

Photogrammetric Office Review by (III): J. A. Giles Date: 29 Jan. 1952

Elevations on Manuscript
checked by ~~W~~ (III): W. W. Dawsey Date: 24 Jan. 1952

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
49-0-283	16 Apr. 1949	11:12	1:10,000	0.0
284	"	11:13	"	0.0
285-286	"	11:14	"	0.0
293	"	11:24	"	0.0
294	"	11:25	"	0.0
295-296	"	11:26	"	0.0
297	"	11:27	"	0.0
312	"	11:40	"	0.0
311	"	11:39	"	0.0
310	"	11:38	"	0.0
309	"	11:37	"	0.0

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):

Date:

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

Date: 2/12/58

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

Date: 2-20-58

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 38

Shoreline (More than 200 meters to opposite shore) (III): 34

Shoreline (Less than 200 meters to opposite shore) (III): 4

Control Leveling - Miles (II): 41.0

Number of Triangulation Stations searched for (II): 60 Recovered: 46 Identified: 20

Number of BMs searched for (II): 40 Recovered: 24 Identified: 21

Number of Recoverable Photo Stations established (III): 32

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

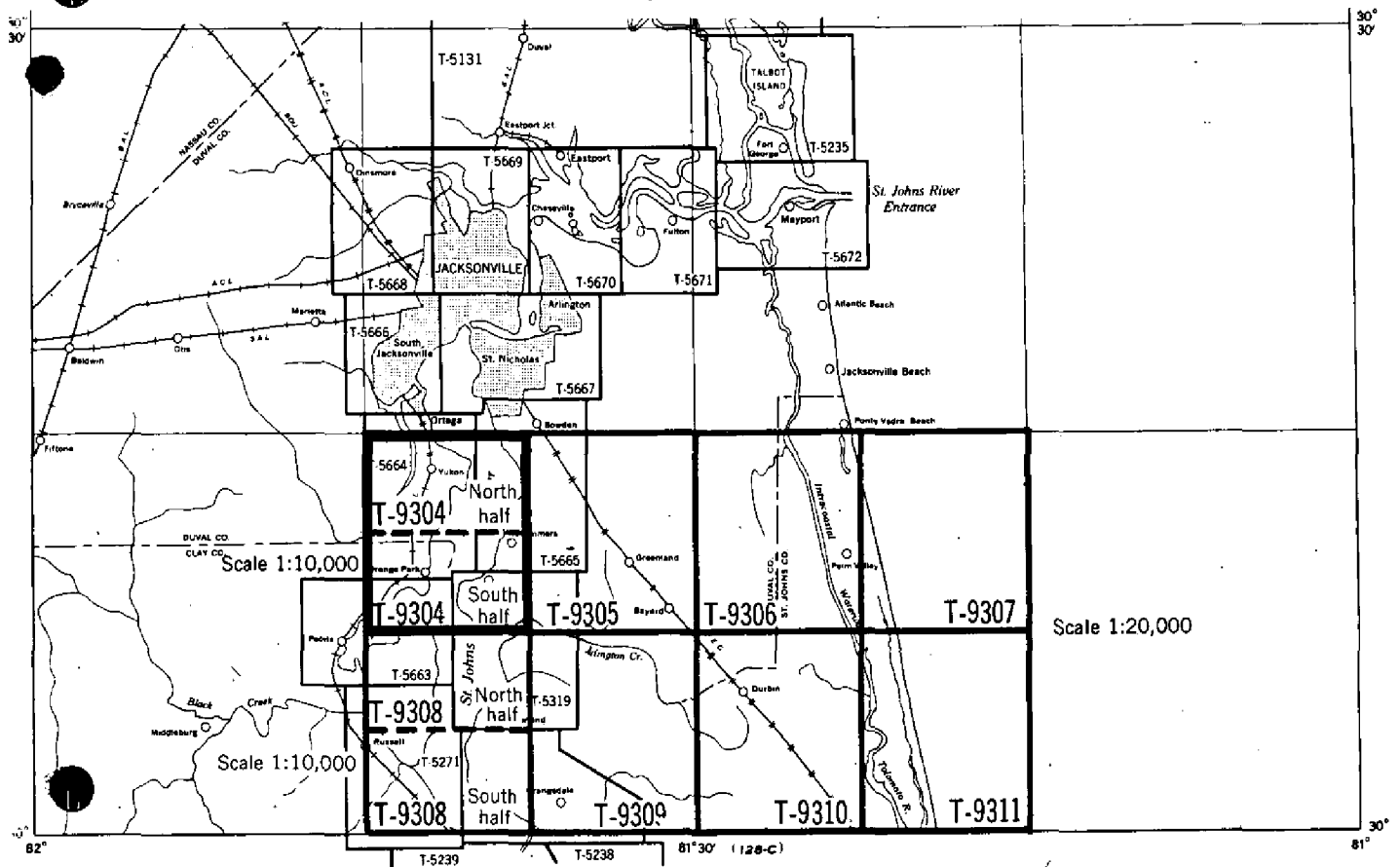
Remarks:

TOPOGRAPHIC MAPPING PROJECT

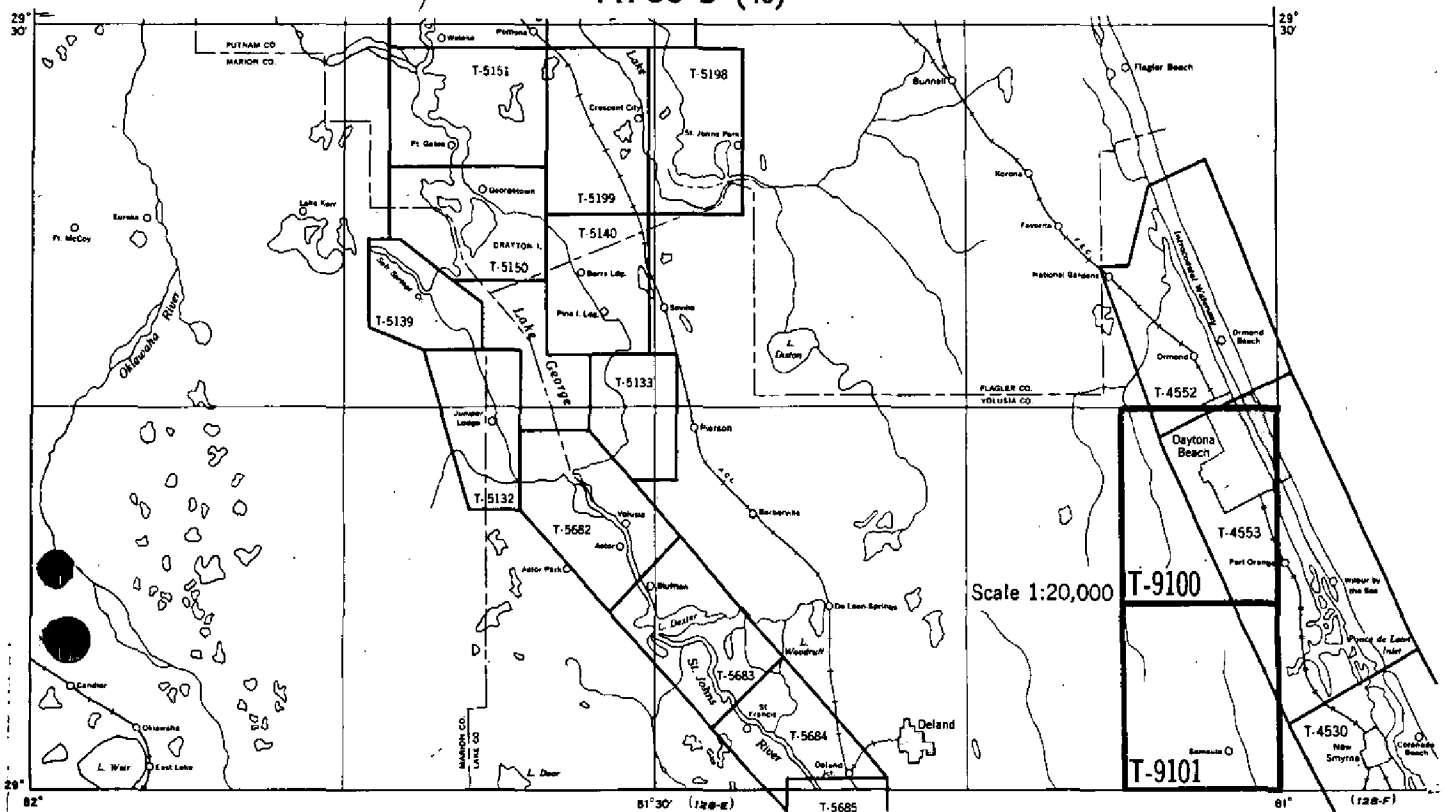
Page 5

FLORIDA, East Coast

PH-35-A (48)



PH-35-B (48)



Summary to Accompany Map T-9304

Topographic map T-9304 is one of ten topographic maps of project Ph-35(48) and is the most northwesterly map of the project. It covers the St. Johns River from Julington Creek to Christopher Point and the land area adjacent.

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

Map T-9304 was compiled at 1:10,000 in two parts using photographs taken in 1949. The map was then completely field edited. After the addition of hydrographic information from source material in the Nautical Chart Branch, the map will be forwarded to the Geological Survey for publication as a standard 7½' topographic quadrangle.

Items registered under T-9304 will include the descriptive report, ~~a cloth-mounted lithographic print~~ ^{a color} of each part of the map manuscript at a scale of 1:10,000 and a cloth-mounted color print of the published quadrangle.

FIELD INSPECTION REPORT

Quadrangle T-9304

30-07-30/81-37-30

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	10 Jan. 1950 to
Cartographic Survey Aid	Recovery and Shoreline	1 March 1950
John S. Winter	Field Inspection of	9 April 1951 to
Cartographic Survey Aid	Mandarin Community	17 April 1951

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

2. AREAL FIELD INSPECTION

This quadrangle lies within the counties of Duval, Clay and St. Johns. It is divided by the St. Johns River, which runs in a North-South direction through the entire quadrangle. Orange Park is the only incorporated town within the area.

The quadrangle is adequately served by U. S. Highway 17, Florida State Highways 13 and 21, and the Atlantic Coast Line Railroad.

One airfield, the Jacksonville Naval Air Station, lies within the area. Certain buildings and installations, such as gasoline storage tanks and munition areas have not been classified by the field inspector. Two letters and a site plan concerning the omission of certain installations are enclosed with the quadrangle data.

The chief occupations are lumbering, citrus growing and the raising of cattle. The area for the most part is moderately settled.

There was little construction in progress during the field inspection. All new buildings since photography and all buildings and roads obscured by trees have been circled or inked on the photographs.

The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

- (a) No supplemental control was established. *See §56 & §67*
- (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>
BE-61	Florida Geodetic Survey	Third	N.A. 1927
BE-62	"	"	"
BE-63	"	"	"
BE-64	"	"	"
BE-65	"	"	"
BE-66	"	"	"
BE-67	"	"	"
BE-68	"	"	"
BE-69	"	"	"
AJ-34	"	"	"
AJ-35	"	"	"
AB-15	"	"	"
AB-16	"	"	"
AB-17	"	"	"
AB-18	"	"	"
AB-19	"	"	"
AB-20	"	"	"
AB-21	"	"	"
AB-22	"	"	"
AB-23	"	"	"
AB-24	"	"	"
AB-25	"	"	"
AB-26	"	"	"
AB-27	"	"	"
AB-28	"	"	"
AB-29	"	"	"
TTD-9	U.S. Engineers	"	"
TTD-10	"	"	"
TTD-17	"	"	"
TTD-18	"	"	"

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

Beacon 27, 1934
 Beacon 36, 1934
 BE-63 (Fla. Geod. Sur.), 1934
 BE-68 " "
 AB-19 " "
 AB-20 " "
 AB-21 " "
 AB-22 " "
 AB-25 " "
 AB-26 " "
 AB-27 " "
 AB-28 " "
 AB-29 " "
 Chink, 1934
 Foster, 1934

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-15	Florida Geodetic Survey	Third
AB-16	"	"
AB-17	"	"
AB-18	"	"
AB-19	"	"
AB-20	"	"
AB-21	"	"
AB-22	"	"
AB-23	"	"
AB-24	"	"
AB-25	"	"
AB-26	"	"
AB-27	"	"
AB-28	"	"
AB-29	"	"
BE-61	"	"
BE-62	"	"
BE-63	"	"
BE-64	"	"
BE-65	"	"
BE-66	"	"
BE-67	"	"
BE-68	"	"
BE-69	"	"
Orange	"	"
U.S.G.S. B.M. 17	U. S. Geological Survey	"
U.S.G.S. B.M. 5	"	"

<u>Name</u>	<u>Agency</u>	<u>Order</u>
K-45 Reset	U.S. Coast & Geod. Sur.	First
K-123	"	"
BBE-63 Reset	"	"
207 (USN	"	"
Mandarin T.B.M. 1	"	Unknown
Mandarin T.B.M. 2	"	"
Mandarin, T.B.M. 3	"	"
Orange Park T.B.M. 1	"	"
Orange Park T.B.M. 2	"	"
Orange Park T.B.M. 3	"	"

(b) Forty-one 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 0.49 foot. This line was adjusted by dividing the closing error by the number of instrument setups.

(c) The first and last fly level points are 04-1 and 04-63.

(d) Inapplicable.

5. CONTOURS AND DRAINAGE

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

The terrain west of St. Johns River has considerable relief, while east of the river it is much flatter. The highest natural elevation in the quadrangle is 76 feet, which is located in the western portion.

The natural drainage in the quadrangle is by numerous creeks which lead into the St. Johns River. The drainage in the flat swamp-land is quite indefinite. The upper portions of the swamps usually do not have any definite drainage, and in the other areas the drainage streams are very narrow and shallow.

6. WOODLAND COVER

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

See Woodland Cover under quadrangle T-9308 for special attention of swamp and tree classification.

7. SHORELINE AND ALONGSHORE FEATURES

(a), (b), (d) and (e) - Refer to Field Inspection Report, Quadrangle T-9308.

(f) There are two submarine cables crossing Julington Creek and three submarine cables crossing at Doctor's Inlet Bridge, all of which have been identified on the photographs.

8. OFFSHORE FEATURES

There are no offshore features of any note in the St. Johns River.

9. LANDMARKS AND AIDS

(a) Ten landmarks for nautical charts are recommended on Form 567 for charting. *See § 38*

(b) No interior landmarks are recommended. *See § 68*

(c) One aeronautical aid is recommended on Form 567 for charting. *See § 68*

(d) Two fixed aids to navigation are reported on Form 567 for charting. These aids were located by third-order triangulation methods during this survey. *See § 67*

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 Ph-35(48), Div. of Photogrammetry.

Eight section corners and seven boundary markers of the Jacksonville Naval Air Station were recovered and identified.

This sheet falls within Commissioner's District No. 4 and 5 in Duval County, Commissioner's District No. 2 in Clay County, and Commissioner's District No. 1 in St. Johns County.

11. OTHER CONTROL

Nine topographic stations were established, namely:

Ache, 1950
Acre, 1950
Bare, 1950
Boat, 1950
Care, 1950
Coat, 1950
Date, 1950
Else, 1950
Good, 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

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

~~* Filed under Project Ph-35 (48) in Div. of Photogrammetry. 17~~
14. SPECIAL REPORTS AND SUPPLEMENTAL DATA *Geographic Name Section*

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.

18 April 1951
 Submitted by:

Leo F. Beugnet.
 Leo F. Beugnet,
 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.

MAP T- 9304

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -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)
BETHEL, 1932	Pl. Coord. N. A. Pg. 5	1927	2,160,773.08 256,734.00	773.08 (4,226.92) 1,734.00 (3,266.00)	NORTH OF PROJ.		
ORANGE, 1932	G.Ps. 14	"	30 08 28.680 81 45 28.081		WEST OF PROJ.	883.1 (964.4) 751.6 (854.3)	
BUCKLEY 2, 1934	G.Ps. 268	"	30 12 02.645 81 38 45.475			81.4 (1,766.1) 1,216.4 (388.5)	
DUPONT, 1934	G.Ps. 288	"	30 14 51.305 81 38 32.553			1,579.8 (267.7) 870.03 (733.8)	
PINEY, 1934	G.Ps. 288	"	30 14 13.215 81 39 59.380			406.9 (1,440.6) 1,587.7 (16.6)	
YACHT, 1934	G.Ps. 288	"	30 15 07.873 81 41 23.875		NORTH OF PROJ.	242.4 (1,605.1) 638.3 (965.7)	
SCOUT, 1934	G.Ps. 289	"	30 08 43.220 81 43 43.817			1,330.8 (516.7) 1,172.7 (433.1)	
MEDICO, 1934	G.Ps. 289	"	30 07 50.003 81 45 04.069		WEST OF PROJ.	1,539.7 (307.8) 108.9 (1,497.1)	
HUNTINGTON, 1876 - 1950	G.Ps. 290	"	30 07 53.739 81 39 33.285			1,654.7 (192.8) 890.9 (715.1)	
JULINGTON, 1934	G.Ps. 290	"	30 07 46.484 81 38 37.942			1,431.3 (416.2) 1,015.6 (590.4)	
JONES, 1934	G.Ps. 268	"	30 10 00.643 81 38 53.623			19.8 (1,827.7) 1,434.8 (170.6)	
MANDARIN, 1876	Comp.	"	30 09 26.404 81 40 20.936			813.0 (1,034.5) 560.2 (1,045.4)	

1 FT. = 3048006 METER

COMPUTED BY: I.I. Saperstein

DATE 10 July 1950

CHECKED BY: R. A. Reece

DATE 2 August 1950

M. 2388-12

3

MAP T. 9304

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

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)
PLUMMER, 1934	G.Ps. 284	N.A. 1927	30 11 09.885 81 38 29.074			304.4 (1,543.1) 777.8 (827.3)	
PHILLIPS, 1934	Fl. Coord. Pge 60	"	2,161,321.75 290,529.97	1,321.75 (3,678.25) 529.97 (4,470.03)	NORTH OF PROJ.		
SAN JOSE, 1932	G.Ps. 267	"	30 14 32.233 81 37 48.514			992.5 (855.0) 1,297.1 (307.1)	
VENITIA, 1934	G.Ps. 267	"	30 14 52.155 81 41 09.854			1,606.0 (241.6) 263.5 (1,340.7)	
SWING, 1934	G.Ps. 290	"	30 08 57.357 81 42 03.245			1,766.1 (81.4) 86.8 (1,518.9)	
LANCASTER 2, 1909 (U.S.E.)	Fl. Coord. Pge 36	"	2,173,331.36 286,271.40	3,331.36 (1,668.64) 1,271.40 (3,728.60)	NORTH OF PROJ.		
VAREEN, 1934	G.Ps. 283	"	30 09 41.874 81 39 55.916			1,289.4 (558.1) 1,496.2 (109.3)	
AJ 35, 1934 (Fla. Geod. Sur.)	Duval Co. Sta. Desc.	"	2,169,863.08 263,677.35	4,863.08 (136.92) 3,677.35 (1,322.65)	NORTH OF PROJ.		
AB 15, 1934 (Fla. Geod. Sur.)	"	"	2,152,138.03 266,323.51	2,138.03 (2,861.97) 1,323.51 (3,676.49)	"		
AB 16, 1934 (Fla. Geod. Sur.)	"	"	2,150,455.97 266,642.27	455.97 (4,544.03) 1,642.27 (3,357.73)	"		
AB 17, 1934 (Fla. Geod. Sur.)	"	"	2,150,449.33 274,044.12	449.33 (4,550.67) 4,044.12 (955.88)	"		
AB 18, 1934 (Fla. Geod. Sur.)	"	"	2,150,509.20 279,656.43	509.20 (4,490.80) 4,656.43 (343.57)	"		

MAP T. 9304

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

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)
AB 20, 1934 (Fla. Geod. Sur.)	Duval Co. N.A. Sta. Desc. 1927	"	2,145,727.74 279,560.94	727.74 (4,272.26) 4,560.94 (439.06)			Not recovered
AB 21, 1934 (Fla. Geod. Sur.)	"	"	2,139,903.98 279,617.93	4,903.98 (96.02) 4,617.93 (382.07)			Not recovered
AB 22, 1934 (Fla. Geod. Sur.)	"	"	2,133,571.29 279,644.25	3,571.29 (1,428.71) 4,644.25 (355.75)			Not recovered
AB 23, 1934 (Fla. Geod. Sur.)	"	"	2,131,415.11 279,578.23	1,415.11 (3,584.89) 4,578.23 (421.77)			
AB 24, 1934 (Fla. Geod. Sur.)	Clay Co. Sta. Desc.	"	2,128,421.22 278,131.13	3,421.22 (1,578.78) 3,131.13 (1,868.87)			
AB 27, 1934 (Fla. Geod. Sur.)	"	"	2,115,707.42 278,541.99	707.42 (4,292.58) 3,541.99 (1,458.01)			Not recovered
AB 28, 1935 (Fla. Geod. Sur.)	"	"	2,113,185.76 278,413.37	3,185.76 (1,814.24) 3,413.37 (1,586.63)			Not recovered
BE 61, 1934 (Fla. Geod. Sur.)	"	"	2,114,415.62 263,933.86	4,415.62 (584.38) 3,933.86 (1,066.14)			
BE 62, 1934 (Fla. Geod. Sur.)	"	"	2,115,033.89 265,578.34	033.89 (4,966.11) 578.34 (4,421.66)			
BE 64, 1934 (Fla. Geod. Sur.)	"	"	2,116,080.28 268,396.90	1,080.28 (3,919.72) 3,396.90 (1,603.10)			
BE 63, 1934 (Fla. Geod. Sur.)	"	"	2,115,805.77 267,912.81	805.77 (4,194.23) 2,912.81 (2,087.19)			
BE 65, 1934 (Fla. Geod. Sur.)	"	"	2,116,924.36 269,662.67	1,924.36 (3,075.64) 4,662.67 (337.33)			

1 FT. = 3048006 METER

COMPUTED BY: I. I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 2 August 1950

M. 2388.12

15

MAP T 9304

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -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)
BE 66, 1934 (Fla. Geod. Sur.)	Clay Co. N.A. Sta. Desc. 1927	"	2,118,902.18 273,074.18	3,902.18 (1,097.82) 3,074.18 (1,925.82)			
BE 67, 1934 (Fla. Geod. Sur.)	"	"	2,119,989.18 274,874.06	4,989.18 (10.82) 4,874.06 (125.94)			
BE 68, 1934 (Fla. Geod. Sur.)	"	"	2,120,716.88 275,422.89	716.88 (4,283.12) 422.89 (4,577.11)			Not recovered
BE 69, 1934 (Fla. Geod. Sur.)	"	"	2,120,768.18 278,159.11	768.18 (4,231.82) 3,159.11 (1,840.89)			
TTD-9, 1947 (U.S.E.)	U.S.E.	"	2,140,185.47 267,245.19	185.47 (4,814.53) 2,245.19 (2,754.81)			
TTD-10, 1947 (U.S.E.)	"	"	30 12 45.755 81 44 14.780			1,408.9 (438.6) 395.3 (1,209.7)	
TTD-17, 1947 (U.S.E.)	"	"	30 10 45.444 81 44 25.484			1,399.3 (448.2) 681.8 (923.7)	
TTD-18, 1947 (U.S.E.)	"	"	30 10 32.246 81 44 40.927			992.9 (854.6) 1,095.0 (510.3)	
CLAY RM 1, 1934	Comp.	"	30 11 22.4 81 41 34.9			689.7 (1,157.8) 933.6 (671.5)	
MULBERRY 2 RM 1, 1934	"	"	30 12 06.655 81 40 52.700			204.9 (1,642.6) 1,409.6 (195.3)	See Mulberry 3, 1952
TYSON 2 RM 2, 1934	"	"	30 15 26.080 81 38 55.205		NORTH OF PROJ.	803.1 (1,044.5) 1,475.8 (128.2)	
SWAMP RM 2, 1934	"	"	30 07 42.537 81 41 38.585			1,309.8 (537.7) 1,032.8 (573.2)	

1 FT. = 3048006 METER
COMPUTED BY:

(I. I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. Reece

DATE 2 August 1950

M. 2388-12

16

MAP T. 9304

PROJECT NO. Ph-35A(48)

SCALE OF MAP 1:10,000

5 of 5

SCALE FACTOR.....1.000

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein

DATE 11 July 1950

CHECKED BY: R. A. R. ece

DATE 2 August 1950

M-2388-12

17

COMPILATION REPORT T-9304PHOTOGRAMMETRIC PLOT REPORT.

Submitted with Quadrangle T-9101.

31. DELINEATION.

Graphic methods were used.

32. CONTROL.

There was sufficient secondary control, the placement and density of which was such that no difficulty was encountered in the establishment of detail points. Along the eastern margin it was necessary to use some detail points formed by two (2) cut intersections because of insufficient coverage.

33. SUPPLEMENTAL DATA.

Plans for the Jacksonville Florida U. S. NAVAL AIR STATION were used to establish its limits and also those of some grant corners identified by the field inspector.

See § 59

34. CONTOURS AND DRAINAGE.

The drainage was delineated as depicted on the photographs with adherence to any notes added by the field inspector. Contours were transferred from field photographs without any difficulty.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. No difficulty was encountered in the delineation. Sufficient notes were given to the field inspector. No unusual alongshore details were noted.

See § 57

The high-water and low-water lines are *nearly coincident* ~~synonymous~~ because the rise and fall of the tide is so small.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

All landmarks were mapped using radial plot methods.*
Two (2) fixed Aids to Navigation were located by computing positions from data submitted by the field inspector.

See 367 & 368

* TANK (San Jose 1932) is Triangulation station. ENR

38. CONTROL FOR FUTURE SURVEYS.

Thirty-two (32) recoverable topographic stations are being submitted on Form 524. Of these, seventeen (17) have been prepared and listed under Item 49 for use by the hydrographer. Nine (9) stations are listed under Item 11. Of these, ACRE, 1950, falls within the limits of T-9305.* The balance of these stations, not listed under Item 11, were submitted to the Tampa Office after field inspection report was written.

* Good, 1950 falls in T-9308. ENR

39. JUNCTIONS.

To the north - USGS Quadrangle JACKSONVILLE, 1:62,500, 1918 - - fair agreement.

See "Junctions", Field Edit Report

To the east - T-9305 - a partial junction has been made. The remainder is to be completed after field edit.

To the south - T-9308 - in agreement.

To the west - USGS Quadrangle MIDDLEBURG, 1:62,500, 1917 - fair agreement.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See § 66

41. PUBLIC LAND LINES.

The section lines were shown according to the general land office plats. Sufficient corners were identified by the field inspection to insure a proper adjustment over all. The only deviation that was made from the General Land Office prints was where natural features belied the position given by said plats.

See § 59

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with:

- (1) The USGS Quadrangle ORANGE PARK, 1:62,500, edition of 1918, reprinted 1942.
- (2) USC&GS PLUMMERS COVE and vicinity, 1:10,000, numbered T-5665, February 1935.
- (3) USC&GS VENETIA - ORANGE PARK, 1:10,000, numbered T-5664, February 1935.
- (4) USC&GS DOCTORS LAKE and vicinity, 1:10,000, numbered T-5663, February and March 1935.
- (5) USC&GS JULINGTON CREEK and vicinity, 1:10,000, numbered T-5319, February 1935 and February 1939.

The above listed maps compare favorably except in the vicinity of the JACKSONVILLE NAVAL AIR STATION, where the shoreline has undergone extensive change due to expansion of the Air Base and other cultural changes.

See § 62 & § 63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Chart No. 685, scale 1:40,000, edition of 1941, corrected to 13 January 1950. They are in good agreement.

Since the planimetric maps listed under Item 46 were the source material for the compilation of this chart, the same differences exist.

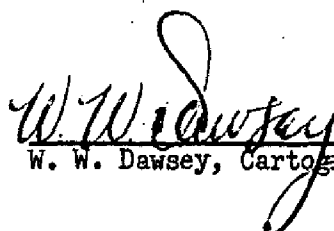
See § 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

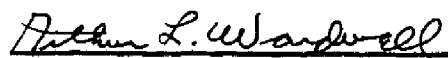
None.

ITEMS TO BE CARRIED FORWARD.

None.


W. W. Dawsey, Cartographic Photo Aid.

APPROVED AND FORWARDED.


Arthur L. Wardwell, Chief of Party.

49. NOTES FOR THE HYDROGRAPHER.

The following topographic stations are for use by the hydrographer:

AERO
~~AIRWAY BEACON 1951~~
ACHE 1950
TANK, NAVAL AIR STATION HOSPITAL 1950
~~SW RADIO MAST, NAVAL AIR STATION 1950~~ *RADIO TOWER 1950*
~~N RADIO MAST, NAVAL AIR STATION 1950~~ " " "
~~SE RADIO MAST, NAVAL AIR STATION 1950~~ " " "
DATE 1950
TANK 1950
CARE 1950
COAT 1950
BARE 1950
BOAT 1950
ELSE 1950
~~TANK, NAVAL AIR STATION WATER PLANT NO. 2, 1950~~
~~TANK, NORTH, NAVAL AIR STATION WATER PLANT NO. 1, 1950~~
~~TANK, SOUTH, NAVAL AIR STATION WATER PLANT NO. 1, 1950~~
~~TANK, YUKON 1950~~ *Destroyed in 1952* *See § 58*

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9304

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. 7. Photo hydro stations xxx 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. 13. Low-water line xxx 14. Rocks, shoals, etc. xxx 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 xxx 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 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.

William W. Conway
CompilerWilliam A. Rasure
Supervisor

43. Remarks:

FIELD EDIT REPORT
Project Ph-35A(48)
Quadrangle T-9304-04

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work started 18 June 1952 and was completed 15 July 1952.

Field edit data appears on the field edit sheet, discrepancy prints, field photographs 49-0-293, 294, 310, and in this report.

The reviewer's questions are answered on the discrepancy prints whenever possible.

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

52. ADEQUACY OF COMPILATION

The map compilation was adequate and will be complete after field edit data have been applied.

See §66

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring, in general, is very good.

See §66

Several corrections to contours were made in small areas scattered throughout the quadrangle.

A planetable traverse was run across the northern limits of this area and corrections to contours were made where necessary.

The primary deficiency in contouring was found to be the scarcity of spot elevations in some areas along the shores of the St. Johns River.

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.

- Changes OK.
7-21-53
WA.*
1. SAN JOSE - Name could not be confirmed. Delete from chart.
 2. YALE LABORATORY OF PRIMATE BIOLOGY - Change to VERKES LABORATORIES OF PRIMATE BIOLOGY, INCORPORATED.
 3. OLD JACKSONVILLE ROAD - Change to BLANDING BOULEVARD.
 4. OAK BLUFF GROVE ROAD - Change to OAK BLUFF LANE.
 5. PLUMMERS COVE ROAD - Change to SCOTT MILL ROAD.
 6. PLUMMERS COVE ROAD - Change to PLUMMERS COVE LANE.
 7. SCOTT MILL ROAD - Change to SCOTT MILL LANE.
- Field Edit Sheet shows both names with different applications. ENR*
8. CLAIR ROAD - Change to CLAIR LANE.

Two new names have been placed on the field edit sheet, i.e. TIMUQUANA ROAD and JOHNSON SOUGH.

All of the above names, also their proper locations, were verified in the field and have been placed on the field edit sheet.

The Florida State Road Department has established concrete markers, with the name changes shown above, for the roads. The local inhabitants have, for the majority, accepted these name changes. It is recommended the names that appear on the field edit sheet be charted.

56. HORIZONTAL CONTROL

Ref. to item 3 - Field Inspection Report.

See 867

One new triangulation station "MULBERRY 3, 1952" was established to replace "MULBERRY 2, 1934" whose destruction was imminent from erosion. Geographic Position of new station is as follows: Latitude $30^{\circ}12'-06.851''$, Longitude $81^{\circ}-40'-52.509''$ (from field computation).

57. SHORELINE AND ALONGSHORE DETAILS

Ref. to item 35 - Compilation Report.

The shoreline has been corrected at the Jacksonville Naval Air Station and at Lat. $30^{\circ}-10'$, Long. $81^{\circ}-39'$.

Additional piers, boat houses and houses along the shores of the St. Johns River, Doctors Lake and Julington Creek have been shown on the field edit sheet.

58. LANDMARKS AND AIDS

Ref. to item 9 - Field Inspection Report.

One landmark, "YUKON WATER TANK", previously charted, has been destroyed. Form ~~52A~~⁵⁶⁷ is submitted.
ENR

Airway Beacon, 1951, located at the Jacksonville Naval Air Station is 90.0 ft. above ground, 98.0 ft. above M.S.L. The steel tower on which this beacon is mounted extends 15.0 ft. above. Tower is 105.0 ft. above ground and 113.0 ft. above M.S.L.

59. BOUNDARIES, MONUMENTS AND LINES

Ref. to item 10 - Field Inspection Report.

Several additional boundary ^{and section *ENR*} monuments and fence corners (representing boundary corners) were recovered and located on the field edit sheet.

No grant line boundary monuments were recovered inside the Jacksonville Naval Air Station. However, a blueprint is submitted showing the plane-coordinate positions of a majority of the boundary limits within the Naval Air Station and vicinity. Where plane-coordinates are not shown, the course and distance to the corner is given and can be computed.

ORANGE PARK, FLORIDA

A thorough search was made for boundary markers of the town Orange Park, Florida. Section corners $\frac{6}{7} \frac{5}{8}$, T4S, R26E and $\frac{7}{18} \frac{8}{17}$
 T4S, R26E were recovered and plotted on the field edit sheet.

According to Florine Ralph, Deputy Tax Collector Clerk for the town of Orange Park, Florida, the description of the town boundary, submitted in the boundary report for this project, is correct to the best of her knowledge.

The map of the town boundary, recorded in the tax collector's office, indicates the boundary starts at the margin of the St. Johns River at the county line between Duval and Clay Counties, running thence along the county line west to west side of right of way of the Atlantic Coast Line Railway, thence south along west side of A.C.L. right of way to north side of section 8 extended, extended into the K. Kingsley Grant, thence west along the north side of section 8 extended to the northwest corner of section 8, thence south along west side of Section 8 to the southwest corner of section 8, thence a straight line in a southeasterly direction to

a spring, thence along the spring branch to the north shore of Doctors Lake, thence eastwardly along the north shore of Doctors Lake to west shore of the St. Johns River, thence northwardly along the west shore of the St. Johns River to the point of beginning.

Information obtained at the tax collector's office is that the boundary that is described above is the boundary used for town tax collection purposes which is contrary to the legal description submitted with the boundary report for the project.

Note: It is apparent that the legal description is in error at least at one particular place, i.e. "thence south along the west side of said right of way to the northeast corner of section 8". The northeast corner of section 8 should fall about 1000 feet west of the Atlantic Coast Line right of way. *Distances in the legal description place the w. limit approx. 5 ch. east of that shown on the manuscript. S.H.R.*

The limits that are described above are the same limits that appear on the U.S.G.S. quadrangle of Orange Park, Florida, edition of 1918, reprinted 1942.

Jacksonville Naval Air Station

The actual boundaries of the Jacksonville Naval Air Station are shown on the field edit sheet which are possibly contrary to the legal description, since rights of way have been dedicated to the Florida State Road Department.

60. 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 justified, has been indicated on the field edit sheet.

The bridge information requested by the Washington Office Review Section is shown on the field edit sheet.

JUNCTIONS

~~The junction on the north with the U.S.G.S. Jacksonville, Florida Quadrangle, 1930 edition, can best be compromised in the Washington Office. There are no major discrepancies at this junction.~~

The junction on the north with the U.S.G.S. Jacksonville Quadrangle, 1948 is not in good agreement. A planetable traverse was run along this junction and numerous discrepancies were found.

See 569

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

30 July 1952
Submitted by:

James E. Hundley
James E. Hundley,
Cartographer

7 August 1952
Approved by:

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

TO BE CHARTED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TAMPA PHOTOGRAPHIC OFFICE, TAMPA, FLA. 24 JANUARY, 1952~~

I recommend that the following objects which have ~~not~~ *not* been inspected from seaward to determine their value as landmarks be charted on ~~date 4-22-11~~ *1-26-11* the charts indicated.

The positions given have been checked after listing by

David H. Johnson

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 considered for the charts of the area and not by *6*.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 24 January, 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

Webber W. Dawsey

Arthur L. Wardwell

Chief of Party.

STATE		FLORIDA		SIGNAL NAME	DESCRIPTION	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME		LATITUDE *				LONGITUDE *											
		°	'			D. M. METERS	°	'	D. P. METERS								
TANK	TURNON WATER <i>Destroyed</i>	30	13	47.9 47.5	81	42	17.4 465	N. A. 1927			8-9301 Revised Plot	Apr. 1950		X		683	
TANK	NAVAL AIR STATION WATER PLANT NO. 2 (Elevated steel about 162 ft. high) (183)	30	13	12.1 37.4	81	41	11.4 306	"			"	"		X		"	
TANK	NAVAL AIR STATION, NORTH, WATER PLANT NO. 1 (Elevated steel about 163 ft. high) (160) (173) <i>CHZ</i>	30	13	13.9 428	81	40	27.4 732	"			"	"		X		"	
TANK	NAVAL AIR STATION, SOUTH, WATER PLANT NO. 1 (Elevated steel about 162 ft. high) (160) (172) <i>CHZ</i>	30	13	12.9 398	81	40	27.4 733	"			"	"		X		"	
R. TR.	NAVAL AIR STATION TRANSMITTER, NORTH (Skeleton steel about 158 ft. high) (170)	30	11	44.8 1378	81	41	40.9 1095	"			"	"		X		"	
R. TR.	NAVAL AIR STATION TRANSMITTER, SOUTHEAST (Skeleton steel about 158 ft. high) (170)	30	11	41.1 1267	81	41	38.8 1037	"			"	"		X		"	
R. TR.	NAVAL AIR STATION TRANSMITTER, SOUTHWEST (Skeleton steel about 158 ft. high) (170)	30	11	41.2 1270	81	41	43.3 1157	"			"	"		X		"	

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 sheets. Information under each column heading should be given

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 24 January 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

Webster W. Davsey

Arthur L. Wardwell
Chief of Party.

Arthur I. Wardwell

STATE	CHARTING NAME	FLORIDA	DESCRIPTION	SIGNAL NAME	POSITION								METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
					LATITUDE *		LONGITUDE *		DATUM										
					°	'	"	D. M. METERS		°	'	"							D. P. METERS
TANK		ORANGE PARK, WATER. (Elevated steel about 125 ft high)(143)			30	10	10.6 326	81	41	52.1 1395	N.A. 1927	T-9304 Radial Plot	Apr. 1950	X			685		
TANK		SAN JOSE, WATER. (Elevated steel about 145 ft. high)(166)			30	14	32.2 992.5	81	37	18.5 1297.1	"	Triang.	1932	X			"		
TANK		NAVAL AIR STATION HOSPITAL, WATER (Elevated steel about 162 ft. high)(180)			30	12	20.1 619	81	40	59.4 1589	"	Radial Plot	1950	X			"		
BEACON		JACKSONVILLE NAVAL AIR STATION (Elevated steel, 100 ft. high)(108)			30	13	44.5 1369	81	40	93.5 93	"	"	"	X			"		
													(see new form submitted for this station)						
									</										

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 sheets. Information under each column heading should be given

PHOTOGAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-TECHNICAL AIDS FOR CHARTS

**TO BE DELETED
ROBERT HARTED**

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. July , 19 52

I recommend that the following objects which have ~~(been inspected)~~ been inspected from seaward to determine their value as landmarks be ~~re-examined (deleted from)~~ the charts indicated.

The positions given have been checked after listing by

J. B. Finley

J. E. Waugh *Chief of Party.*

J. E. Waugh

[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 sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836.3

**TO BE CHARTED
TO BE EXPEDITED**

STRIKE OUT ONE

NON-POINTING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 11 Feb. 1953

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be~~ ^{(been inspected from seaward to determine their value as landmarks be} charted on ~~(charts)~~ ^(charts) the charts indicated.

The positions given have been checked after listing by

W. H. DAWSON

J. E. Hinch

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 sheets. Information under each column heading should be given.

*** TABULATE SECONDS AND METERS**

M-2836-3

TOXHEXEL ENDOX

31 July, 195

The positions given have been checked after listing by

Chief of Party.

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 sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

COPY

DEPARTMENT OF COMMERCE
U. S. Coast and Geodetic Survey
Washington 25

78-aal

13 November 1952

To: Lt. Comdr. Joseph E. Waugh
U. S. Coast and Geodetic Survey
P. O. Box 1689
Tampa, Florida

Subject: Junctions with U. S. Geological Survey Quadrangles

A copy of the U. S. Geological Survey quadrangle, Jacksonville (1948), scale 1:24,000, is being forwarded to you today under separate cover.

It is obvious from an inspection of the edges of the Jacksonville quadrangle and T-9304 that T-9304 cannot be joined by office methods to the quadrangle within the accuracy requirements.

A strip one-inch wide along the southern edge of the quadrangle should be transferred to the north edge of the field edit sheet for T-9304 and forwarded to Mr. Hundley who should reconcile the discrepancies between the two maps.

The map manuscripts in this project need not be extended 1/2" beyond their limits either where they join contemporary surveys or where there is no contemporary survey adjacent to them.

Paragraph 5414 of the Topographic Manual requires the edges of maps to be extended when contemporary surveys do not junction so that the field editor may work the junction area to a point where a satisfactory junction can be made, or, to be certain that the new work is correct.

/s/ O. S. Reading

O. S. Reading,
Chief, Div. of Photogrammetry

COPY

COPY

Tampa Photogrammetric Office
Box 1689 Tampa Florida

19 November 1952

To: Mr. James E. Hundley
U. S. Coast and Geodetic Survey
Box 269, St. Augustine, Fla.

Subject: Junction T-9304 with Jacksonville Quadrangle 1948

A strip one inch wide along the southern edge of the Jacksonville quadrangle has been shown on a sheet of vinylite at a scale of 1:10,000 for your use in reconciling the discrepancies between the two maps. All pertinent field data is being forwarded to you under separate cover.

The Washington Office does not feel that the junction between the two maps can be satisfactorily made by office methods and has requested that you reconcile the discrepancies in the field. (Reference letter from Chief, Division of Photogrammetry, dated 13 November 1952, 78-aal, copy attached).

William A. Rasure
for Officer in Charge

WAR:mb
Encl.

cc: O.I C. Photo Party No. 1

COPY

COPY

DEPARTMENT OF COMMERCE
U. S. Coast & Geodetic Survey

St. Augustine Florida
28 November 1952

To: Lt. Comdr. Joseph E. Waugh
U. S. Coast and Geodetic Survey,
P O Box 1689
Tampa, Florida

Subject: Junction T-9304 with JACKSONVILLE QUADRANGLE, 1948

Additional elevations were established and the contours drawn on photographs 286, 293 and 313 above and below the junction between T-9304 and the U.S.G.S. Jacksonville Quadrangle, 1948.

The contours were then taken off the photographs, via tracing paper, and transferred to the field edit sheets.

There are numerous discrepancies along this junction that I could not reconcile.

See §69

/s/ James E. Hundley
/t/ James E. Hundley

cc: Lt. Comdr. Paul Taylor,
O.I.C. Photo Party No. 1

W.O. Please note.

Tampa
W.G.R.

COPY

48. GEOGRAPHIC NAME LIST.Alberts Field (Athletic)ATLANTIC COAST LINE RAILROAD

- ✓ BEAUCLERC BLUFF ✓
- ✓ BEAUCLERC ROAD ✓
- ✓ BLUFF LANDING ✓
- ✓ BLACK POINT ✓
- ✓ BOLLES SCHOOL ✓
- ✓ BRADY ROAD ✓

Bethel Church (on manuscript, 13.5' 44.9')Blanding Boulevard?

- ✓ CASA LINDA LAKE ✓
- ✓ CAMP ECHOCKOTEE ✓
- ✓ CHRISTOPHER POINT ✓
- ✓ CLAIR ROAD LANE ✓
- ✓ CLAY COUNTY ✓
- ✓ COLLINS ROAD ✓
- ✓ COMMISSIONERS DISTRICT NO. 1 (ST. JOHNS COUNTY) ✓
- ✓ COMMISSIONERS DISTRICT NO. 2 (CLAY COUNTY) ✓
- ✓ COMMISSIONERS DISTRICT NO. 4 (DUVAL COUNTY) ✓
- ✓ COMMISSIONERS DISTRICT NO. 5 (DUVAL COUNTY) ✓
- ✓ CREIGHTON ISLAND ✓

- ✓ DEEP BOTTOM CREEK ✓
- ✓ DEWEY PARK ✓
- ✓ DOCTORS INLET ✓ DOCTORS INLET BRIDGE
- ✓ DOCTORS LAKE ✓
- ✓ DU PONT ROAD = one word in Names Report
- ✓ DUVAL COUNTY ✓

(not in Names Report)
Verified by F.E. 602

- ✓ FISHING CREEK ✓
- ✓ FLORIDA ✓

Florida Driving Clubs.

- ✓ GEIGERS POINT ✓

- Grace Church?

- ✓ HALEYS ROAD ✓
- ✓ HALL BRIDGE ✓
- ✓ HARTLEY ROAD ✓

- ✓ JACKSONVILLE NAVAL AIR STATION ✓
- ✓ JULINGTON CREEK ✓
- ✓ JULINGTON CREEK BRIDGE ✓
- ✓ JULINGTON CREEK ROAD ✓

JOHNSON SLOUGHJacksonville Race Track.

- ✓ LOOP ROAD ✓
- ✓ LOFTON CEMETERY ✓
- ✓ LORRETTO ROAD ✓
- ✓ LUCY BRANCH ✓

48. GEOGRAPHIC NAME LIST. (CONTINUED)

- ✓ MAGNOLIA CEMETERY
- ✓ MACKS POINT
- ✓ MANDARIN COMMUNITY ✓ Mandarin Church.
- ✓ MANDARIN CEMETERY ✓ Mandarin Community Bldg (at old site East Mandarin)
- ✓ MANDARIN POINT
- ✓ MANDARIN ROAD
- ✓ MC GIRTS CREEK (to Hall Bridge)
- ✓ MILL COVE
- ✓ MOCCASIN SLOUGH
- ✓ MULBERRY COVE ✓ MUSTIN ROAD **
- ✓ OAK BLUFF ~~GROVE ROAD~~ LANE ① Project Names Report has Bluff Grove Road
- ✓ OLD JACKSONVILLE ROAD BLANDING BLVD.
- ✓ OLD ST. AUGUSTINE ROAD
- ✓ ORANGE POINT ✓ Orange Park Kennel club.
- ✓ ORANGE PARK from
- ✓ ORANGE PARK LANDING below Hall Bridge
- ✓ ORTEGA CREEK River (B.F.N. decision) to St Johns River
- ✓ PINEY POINT
- ✓ PLUMMERS COVE
- ✓ PLUMMERS COVE ROAD LANE
- ✓ PLUMMERS POINT
- ✓ ROMEO POINT
- * SAN JOSE — Names Report deletes this, except in San Jose Country Club, and San Jose Blvd)
- ✓ SAN JOSE BLVD. ①
- ✓ SCOTT MILL ROAD LANE ✓ Also SCOTT MILL ROAD
- ✓ STATE 13
- ✓ STATE 21
- ✓ STATE 204
- ✓ STATE 224
- ✓ ST. JOHNS COUNTY
- ✓ ST. JOHNS RIVER
- ✓ TOWNSEND ROAD
- ✓ TIMUQUANA BRIDGE
- ✓ Timuquana Country Club
- ✓ TIMUQUANA ROAD

48. GEOGRAPHIC NAME LIST.

- ✓ U. S. 17
 ✓ VENETIA
 ✓ WADESBORO SPRINGS
 ✓ WESCONETT
 YERKES
 ✓ YALE LABORATORY OF PRIMATE BIOLOGY
 ✓ YOKON ✓
 ✓ YORKTOWN AVE. **
 ✓ ZION GROVE CHURCH ✓

*To be checked by field editor.

(See 555)

** Names from Site Plan, NAS. ENR

PUBLIC LAND GRANTS.

- ✓ Z. KINGSLEY SECTION 43 (4 Grants) ENR
 ✓ R. PRICHARD AND HEIRS SECTION 38
 ✓ HANNAH NOBLES SECTION 39
 ✓ HANNAH NOBLES SECTION 37
 ✓ ELEANOR PRICHARD SECTION 40
 ✓ I. PLUMMER SECTION 41
 ✓ WM. TRAVERSE SECTION 39
 ✓ HEIRS OF A. E. FERGUSON SECTION 43
 ✓ JOHN H. MC INTOSH SECTION 44
 ✓ AMBROSE HULLS HEIRS SECTION 51
 ✓ AMBROSE HULLS HEIRS SECTION 50
 ✓ HEIRS OF JOHN H. MC INTOSH SECTION 42
 ✓ HEIRS OF F. P. FATIO SECTION 38
 ✓ P. PLUMMER SECTION 37
 ✓ HEIRS OF HUDNAL SECTION 11
 ✓ HENRY HARTLEY SECTION 7
 ✓ JUAN GARCIA SECTION 39
 ✓ JOSEPH SUMMERLAND SECTION 40
 ✓ SARAH BOWDEN SECTION 46
 ✓ W. AND J. LESTON SECTION 37
 ✓ SARAH PELLEY SECTION 38 PETTY ENR
 ✓ ALEXANDER CREIGHTON SECTION 35
 ✓ SAM FAIRBANKS SECTION 22

Names underlined in red are approved, as based on Project Names Report, and prior to Field Edit. 3-21-52 L. Heck

Names recommended for deletion in Project Names Report

Sand Island

San Jose (for settlement)

Mylburn Triangle

Sherwood Forest

Plummers

East Mandarin

Mulberry Grove

Pierson Tract

Reeds Crossing

Vista Verde

Deep Bottom School

J. M. Hanson?

48. PUBLIC LAND GRANTS (CONTINUED)

- ✓ MOSES BOWDEN ~~SECTION 23~~
- ✓ SARAH FOULK ~~SECTION 26~~
- ~~X. KINGSLEY SECTION 41~~
- ~~X. KINGSLEY SECTION 42~~
- ~~X. KINGSLEY SECTION 49~~
- ✓ ANDREW PLEYMES ~~SECTION 43 and 44~~ Heirs
- ✓ JOHN CREIGHTON

Review Report
Topographic Map T-9304
3 August, 1953

62. Comparison with Registered Topographic Surveys:

T-1459	1:20,000	1876-77
T-2027	1:80,000	1875
T-5319	1:10,000	1935-39
T-5663	"	1935
T-5664	"	"
T-5665	"	1933-35-39

The greatest change noted was the extension of the land area at Black Point which has already been applied to Nautical Chart 685. New shoreline structures and other cultural changes are evident. Survey T-9304 is to supersede the above surveys for nautical charting.

63. Comparison with Maps of other Agencies:

Orange Park, Fla. (C.ofE.) 1:62,500 1918

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

685 1:40,000 1952 corr. to 53 2/2

Some new landmarks have not been shown on the nautical chart. Map shows new shoreline structures 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. Some features within Jacksonville Naval Air Station were not shown (See item 2). The shoreline at Piney Point was undergoing change at the time of field edit. This has been noted on the map manuscript and shown with a dashed line.

67. Horizontal Control.-Mandarin Point Light 29 and Orange Point Light 38 were positioned to third-order accuracy in 1950 in conjunction with this survey. The position of several reference marks were computed in lieu of lost stations and are shown as accurate to third-order on the map manuscript.

68. Aids.-Form 567 was prepared at the time of this review for the NAS Radio Range Station which was positioned to fourth-order accuracy.

69. Junctions:

T-9304 was junctioned on the north with the U.S.G.S. Jacksonville, Florida quadrangle of 1950, with the following exceptions:

At longitude $81^{\circ} 41.4'$ no road is shown on T-9304, whereas one is shown on the U.S.G.S. map.

At longitude $81^{\circ} 41.5'$ a road is shown on T-9304 and not on the U.S.G.S. map.

At longitude $81^{\circ} 41.5'$ and $81^{\circ} 41.9'$ no 5-foot contour is shown on T-9304 to match the 5-foot contour on the U.S.G.S. map. These differences are believed to result from new construction in the area.

T-9304 was also junctioned on the west with the U.S.G.S. Jacksonville Heights, Florida quadrangle of 1949, with the following exceptions:

A road, Class 6, on T-9304, at latitude $30^{\circ} 13.8'$, does not appear on the U.S.G.S. map; added by field editor on T-9304.

A road, Class 7, shown on the U.S.G.S. map at $30^{\circ} 13.4'$ does not appear on T-9304. The photographs indicate only what might be a trail or trails at that specific location (logging roads).


A road, Class 7, on the U.S.G.S. map at $30^{\circ} 10.7'$ does not appear on T-9304 and was not visible on photographs.


The boundary of the Z. Kingsley land grant between latitude $30^{\circ} 08'$ and $30^{\circ} 09'$ on T-9304 makes only an approximate junction with the U.S.G.S. quad. The boundary as shown on T-9304 is considered to be correct as based on recovered monumented corners and original plat distances in that area.

Reviewed by:


Everett H. Ramey

APPROVED:


Chief, Review Branch
Photogrammetry Division


for Chief, Nautical Chart Branch
Charts Division

Lee Swanson
Chief, Photogrammetry Division
14 November 1958

W. B. Linnell
Chief, Coastal Surveys Division

History of Hydrographic Data
for T-9304

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 datum and originate with the following:

C&GS hydrographic surveys:

H-6530	1:5,000	1939
H-6535	"	"
H-6296	1:20,000	1934-35
and	1:5,000	1939

U. S. Navy Survey:

Blue Print No. 42636 1:9600 1947

Hydrography was compared to Nautical Chart 685, 1952, corrected to 53 2/2.


Everett H. Ramey

Review Report
Topographic Map T-9304
3 August 1953

62. Comparison with Registered Topographic Surveys:

T-1459	1:20,000	1876-77
T-2027	1:80,000	1875
T-5319	1:10,000	1935-39
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The greatest change noted was the extension of the land area at Black Point which has already been applied to Nautical Chart 685. New shoreline structures and other cultural changes are evident. Survey T-9304 is to supersede the above surveys for nautical charting.

63. Comparison with Maps of other Agencies:

Orange Park, Fla. (C.of E.) 1:62,500 1918

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

685 1:40,000 1952 corr. to 53 2/2

Some new landmarks have not been shown on the nautical chart. Map shows new shoreline structures 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. Some features within Jacksonville Naval Air Station were not shown (See Item 2). The shoreline at Piney Point was undergoing change at the time of field edit. This has been noted on the map manuscript and shown with a dashed line.

67. Horizontal Control:

Mandarin Point Light 29 and Orange Point Light 38 were positioned to third-order accuracy in 1950 in conjunction with this survey. The position of several reference marks were computed in lieu of lost stations and are shown as accurate to third-order on the map manuscript.

68. Aids:

Form 567 was prepared at the time of this review for the NAS Radio Range Station which was positioned to fourth-order accuracy.