

9309

Diag. Cht. Nos. 685 and 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-9309

LOCALITY

State Florida

General locality St. Johns River

Locality Orangedale

1949-52

CHIEF OF PARTY

H.F. Garber, Chief of Field Party
A.L. Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE November 10, 1959

8-1870-1 (1)

9309

DATA RECORD

T - 9309

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): **1:20,000**

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

Scale Factor (III): **None**

Date received in Washington Office (IV):

DEC 26 1951

Date reported to Nautical Chart Branch (IV):

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): **BRIDGE, 1934**

Lat.: **30° 00' 03.542" (109.1m)**

Long.: **81° 36' 41.362" (1108.6m)**

Adjusted

~~1108.6m~~

Plane Coordinates (IV): **Transverse Mercator** State: **Florida**

Zone: **East**

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.

30°-07'-30"

All contouring

done by

Martin C. Moody,

Cart. Sur. Aid

81°-37'-30"

81°-30'-00" 30°-00'-00"

Areas contoured by various personnel

(Show name within area)

(II) (III)

DATA RECORD

Field Inspection by (II): **Martin C. Moody, Cart. Sur. Aid**

Date: **13 Nov. 1950 to
15 March 1951**

Planetable contouring by (II): **Martin C. Moody, Cart. Sur. Aid**

Date: **13 Nov. 1950 to
15 March 1951**

Completion Surveys by (II): **James E. Hundley**

Date: **March 1952**

Mean High Water Location (III) (State date and method of location):

Air Photo Compilation

15 Feb. 1950

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

Date: **11 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: **19 Oct. 1950**

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

Date: **10 Nov. 1950**

Radial Plots ~~by Stereoscopic~~

~~by Stereoscopic~~ by (III):

M. M. Slavney

Date:

12 Dec. 1950

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Inapplicable

Date:

Contours

Manuscript delineated by (III): **R. E. Smith**

Date: **May 1950**

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

Date: **31 Aug. 1950**

Elevations on Manuscript

checked by (III):

R. E. Smith

Date:

May 1950

Camera (kind or source) (III):

Fairchild Cartographic - 6" Metrogon Lens

Number	Date	Time	Scale	Stage of Tide
0-253 thru 0-258	4-16-49	10:45	1:20,000	No periodic tide
0-270 thru 0-275	4-16-49	10:45	"	"
0-278 thru 0-282	4-16-49	11:00	"	" - 0.3 ENR

Tide (III)

Reference Station: ~~Inapplicable~~ Mayport
Subordinate Station: Green Cove Springs
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	4.5	5.3
0.2	0.8	0.9

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

Date: 17 Apr 1953

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): 1

Shoreline (Less than 200 meters to opposite shore) (III): 2.5 miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 16

Recovered: 11

Identified: 7 ✓

Number of BMs searched for (II): 12

Recovered: 7

Identified: 5

Number of Recoverable Photo Stations established (III): 12

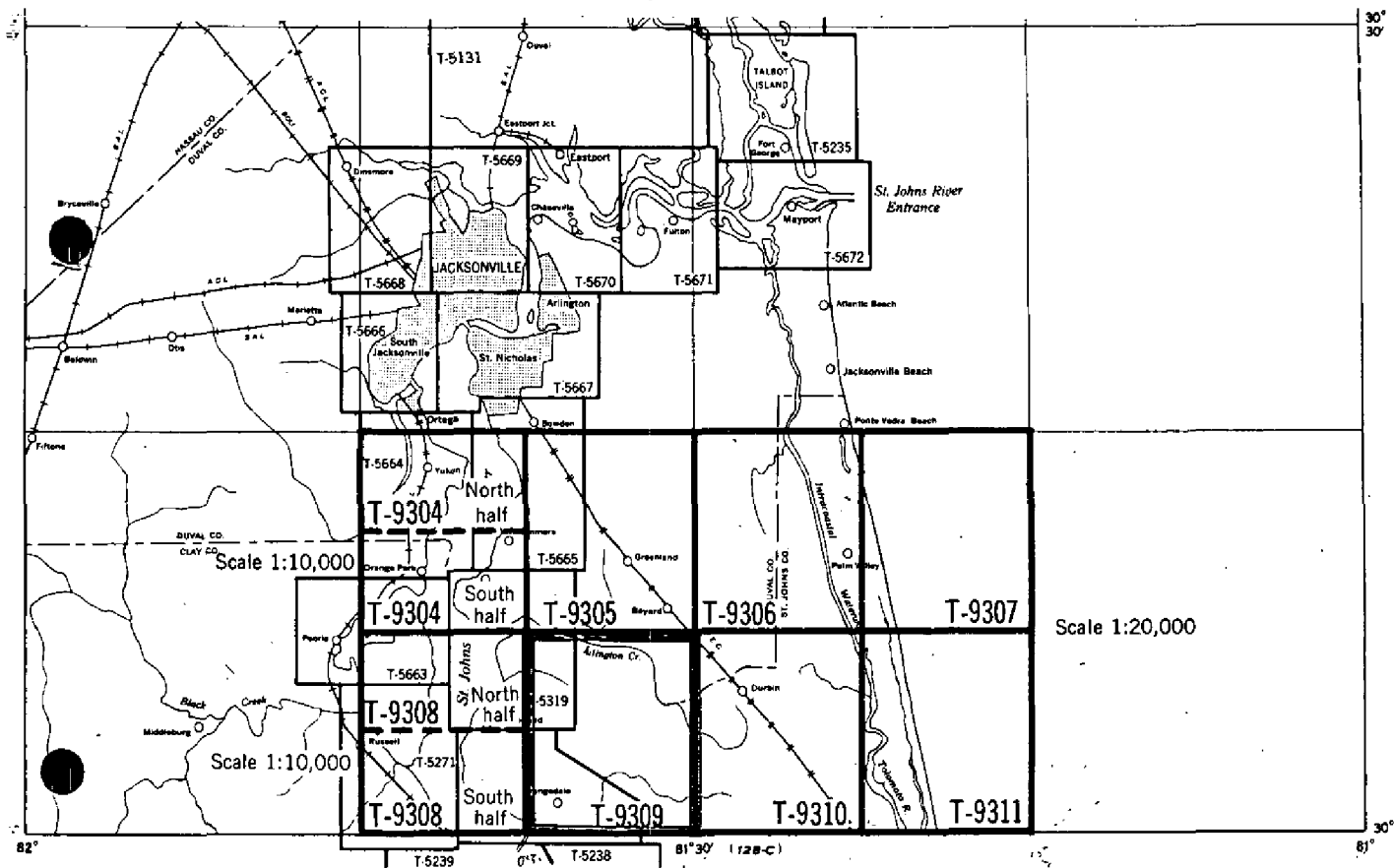
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

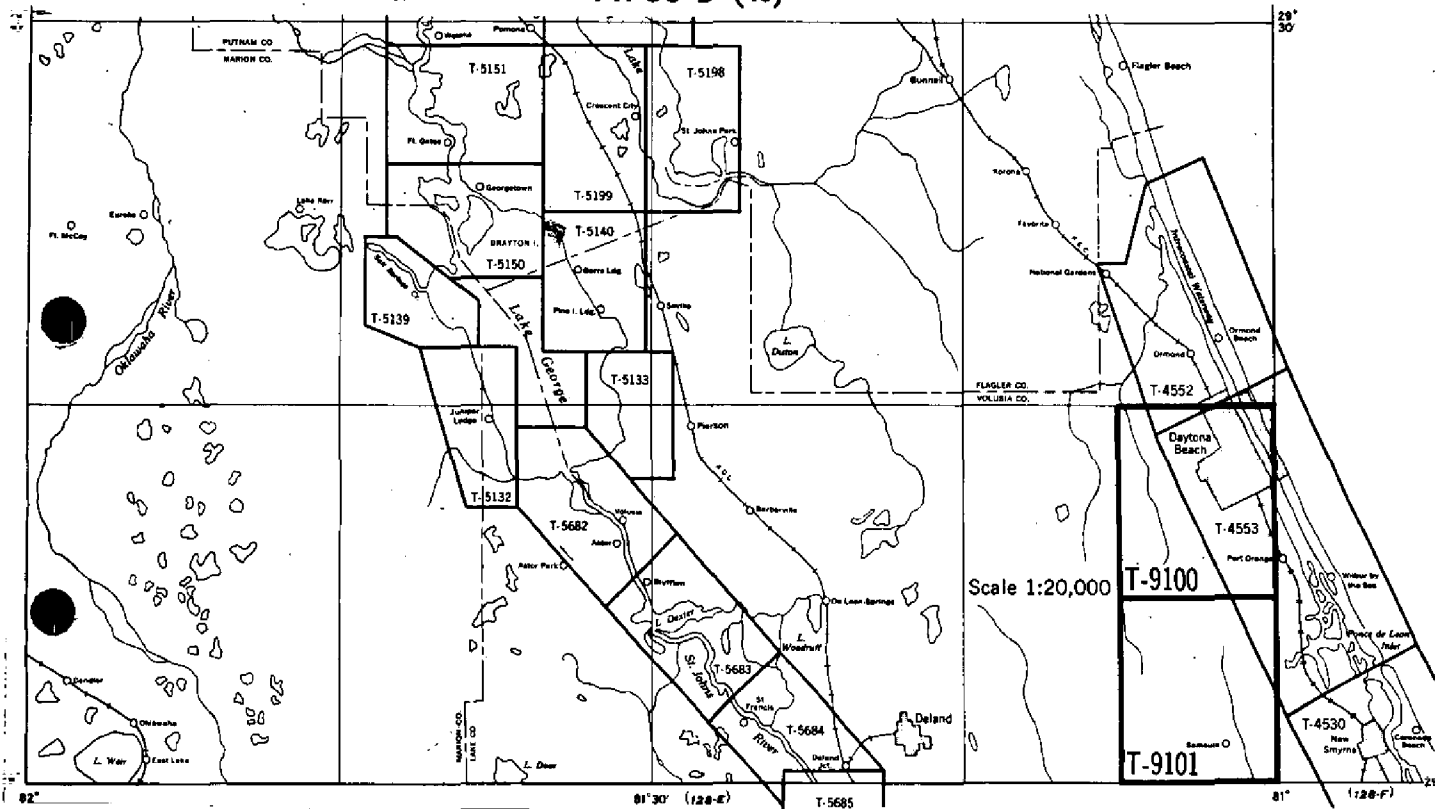
TOPOGRAPHIC MAPPING PROJECT

FLORIDA, East Coast

PH-35-A (48)



PH-35-B (48)



Summary to Accompany Topographic Map T-9309

Topographic map T-9309 is one of ten similar maps of Project Ph-35(48) and is in Part A of the project. It covers a portion of the St. Johns River at the southwest corner of the map.

Project Ph-35(48) is a graphic compilation project. Field work in advance of compilation included complete field inspection of shoreline and interior features, the recovery of horizontal and vertical control, the location of boundary and section lines, and the delineation of contours on the photographs by planetable methods.

The manuscript was compiled at a scale of 1:20,000 using single-lens photographs taken in 1949. It covers the area from Lat. $30^{\circ} 00'$ to $30^{\circ} 07\frac{1}{2}'$ and from Long. $81^{\circ} 30'$ to $81^{\circ} 37\frac{1}{2}'$.

Items registered under T-9309 will include a ~~cloth-~~^{CENTAR} backed lithographic print of the manuscript at 1:20,000, a cloth-backed color print of the published map and the descriptive report.

FIELD INSPECTION REPORT

Quadrangle T-9309
30-00-00/81-30-00
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>
Henry R. Spies, Cartographic Survey Aid	Horizontal Control Recovery	15 Feb. 1950 to 1 March 1950
Leo F. Beugnet Cartographic Survey Aid	Horizontal Control Recovery & Shoreline	1 Feb. 1950 to 15 Feb. 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 extreme northwest portion of St. Johns County, and includes a small part of the southern section of Duval County.

This is a sparsely settled area; the chief industries are: lumbering, cattle raising, and the making of turpentine. Samson Community and Orangedale are the only settlements within the quadrangle, neither of which is incorporated. Two state highways (Fla. State Hwy. 16 and 13) run across the southwestern portion of the quadrangle. The remainder of the area is adequately served by graded and drained sand roads. The quadrangle includes a portion of the St. Johns River.

Attention is called to a small airport* which is located along the southern portion of the sheet on Trout Creek. This airport was an auxiliary airfield of the Green Cove Springs Naval Base during World War II. It was sold to private interests after the war, and is now used as pasture for cattle. The limits were not delineated.

* at 30° 00.2' / 81° 33.2'

The vegetation consists of cypress, palmetto, pine and scrub oak.

No difficulty was encountered in the interpretation of the photographs. Sufficient classifications were made so that the compiler should have not 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>
BP-91, 1935	Florida Geodetic Survey	Third	N.A. 1927
BP-92, 1935	"	"	"
BP-93, 1935	"	"	"
BP-94, 1935	"	"	"
BP-95, 1935	"	"	"
BP-96, 1935	"	"	"
BP-97, 1935	"	"	"
BP-98, 1935	"	"	"
BP-99, 1935	"	"	"
P.T.S. No. 7K, 1917	U.S. Geological Survey	"	"
P.T.S. No. 8K, 1917	"	"	"
P.T.S. No. 9K, 1917	"	"	"
T.T.T.-6, 1947	U.S. Engineers	"	"

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

BP-93 (Fla. Geod. Sur.), 1935
BP-96 " "
BP-97 " "
P.T.S. No. 7K (U. S. G. S.), 1917
P.T.S. No. 9K " "

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>
BP-91	Florida Geodetic Survey	Third
BP-92	"	"
BP-93	"	" <i>Lost etc</i>

<u>Name</u>	<u>Agency</u>	<u>Order</u>
BP-94	Florida Geodetic Survey	Third
BP-95	"	"
BP-96	"	" Lost
BP-97	"	"
P.T.S. No. 7K	U. S. Geological Survey	" Lost
P.T.S. No. 8K	"	"
P.T.S. No. 9K	"	" Lost

(b) Fifty 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 0.60 foot. This line was adjusted.

(c) The first and last fly level points are 09-1 and 09-76.

(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 natural drainage in the quadrangle is by ^{Durbin EHR} ~~Jackson~~ [?] Creek in the north, Trout Creek in the south, and by numerous small creeks in the west leading toward the St. Johns River.

The terrain, for the most part, is quite flat. The highest natural elevation on the sheet is 44 feet, which is located in the east central portion.

6. WOODLAND COVER

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

7. SHORELINE AND ALONGSHORE FEATURES

(a) Only a very small portion of the St. Johns River falls within the limit of the quadrangle. 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. The shoreline for this quadrangle was inspected on single-lens photographs (1:10,000 scale).

(b) No attempt was made to locate the low-water line. See Field Inspection Report for T-9305, ^{sub heading ?} ~~par 7(b)~~.

(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.

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

8. OFFSHORE FEATURES

Inapplicable.

9. LANDMARKS AND AIDS

(a) No landmarks for nautical charts are recommended.

(b) No interior landmarks are recommended.

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

(d) There are no fixed aids to navigation within the quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

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

** Filed in Div. of Photogrammetry*

Ten section corners and one grant corner were recovered and identified. *See sub-heading 57*

Listed on Forms 524

This sheet falls within Commissioners District No. 1^{and No. 2} in St. Johns County and Commissioners District No. 5 in Duval County. *EHR*

11. OTHER CONTROL

No recoverable topographic stations were established. One previously established topographic station was recovered and reported on Form 524, namely: Zip (1935)^{*}, 1950.

** Survey T-5240. EHR*

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.

There are no bridges over navigable waters within the quadrangle.

13. GEOGRAPHIC NAMES

This is the subject of a "Special Report" which was submitted by Joseph K. Wilson, Cartographer, on 21 July 1950,
filed in Geographic Names Sect., Div. of Charts

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.

** Filed in Coast Pilot Sect., Div. of Charts*

9 March 1951
Submitted by:

Martin C. Moody
Martin C. Moody,
Cartographic Survey Aid

1 April 1951
Approved by:

Harry F. Garber
Harry F. Garber,
Chief of Party

Knr

MAP T-9309

PROJECT NO. ~~FB-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		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)
BP 91, 1935 (Fla. Geod. Sur.)	St. Johns County Sta. Desc. 1927	N.A. 1927	2,062,983.47 305,716.84	2,983.47 (7,016.53)						
BP 92, 1935 (Fla. Geod. Sur.)	"	"	2,064,748.57 306,806.85	4,748.57 (5,251.43)						
BP 93, 1935 (Fla. Geod. Sur.)	"	"	2,065,450.89 308,141.11	5,450.89 (4,549.11)					Lost.	847K
BP 94, 1935 (Fla. Geod. Sur.)	"	"	2,065,493.43	5,493.43 (4,506.57)						
BP 95, 1935 (Fla. Geod. Sur.)	"	"	313,212.06	3,212.06 (6,787.94)						
BP 97, 1934 (Fla. Geod. Sur.)	"	"	2,063,004.44 324,955.21	3,004.44 (6,995.56)						
BP 98, 1934 (Fla. Geod. Sur.)	"	"	2,059,626.66 328,392.40	9,626.66 (373.34)						
BP 99, 1935 (Fla. Geod. Sur.)	"	"	2,056,988.88 330,911.83	8,392.40 (1,607.60)						
PRIM. TRAV. STA. 8K, 1917 (USGS)	U.S.G.S. NORTH Bul 709 Pg 37	NORTH AMERICAN	30 03 42.6 81 31 17.1	1312 (536)		-2m	1310 (538)		Unrecovered after thorough search. 847K	
PRIM. TRAV. STA. 9K, 1917 (USGS)	"	"	30 02 39.0 81 34 15.8	458 (1149)		-8m	450 (1157)			
PRIM. TRAV. STA. 9K, 1917 (USGS)	"	"	30 00 45.9 81 36 44.8	1201 (647)		-2m	1199 (649)			
TTT-6, 1947 (U.S.E.)	U.S.E.	N.A. 1927	30 00 06.200 81 30 11.247	423 (1184)		-8m	415 (1192)			
				1413 (434)		-2m	1411 (436)		Unrecovered after thorough search. 847K	
				1201 (407)		-8m	1193 (415)			
							190.9 (1,656.6)			
							301.4 (1,306.6)			

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

DATE 12 July 1950

CHECKED BY: R. A. Reece

DATE 4 August 1950

M-2388-12

70

MAP T-9309...

PROJECT NO. PD-35A(48)

SCALE OF MAP 1:20,000

SCALE FACTOR

1,000

[illegible]

1 FT. - 3048006 METER

COMPUTED BY: I.I.Saperstein

DATE 12 July 1950

CHECKED BY: R. A. Reeco

DATE 4 August 1950

M-2388-12

14

COMPILATION REPORT T-9309PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9101.

31. DELINEATION.

Compiled by graphic methods. No unusual method of compilation was employed. The limits of swamp areas were not indicated on the field photographs and since a pronounced line of demarcation is not visible, such limits on the map manuscript are an approximation which should be checked during the completion survey.

32. CONTROL.

A sufficient number of well placed secondary control points were established by the radial plot.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Some difficulty was encountered in compiling the contours along the swamp areas. All changes made by the compiler have been noted on the discrepancy overlay for verification or negation by the field editor.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate and complete. For low-water line information refer to Item 7.

36. OFFSHORE DETAILS.

Reference Item 8.

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

Twelve (12) recoverable topographic stations are being submitted on Forms 524 with this report. Ten (10) of these are section corners and one (1) is a grant corner. The ~~Topographic Station ZIP 1935 (1950)~~ has been listed under Item 49.

Sec § 11

~~* from T-5240 (1935).~~

39. JUNCTIONS.

Survey T-9305 on the north, in agreement
C. of E. Quadrangle "BOSTWICK" 1941. Scale 1:62,500.
Survey T-9310 on the west, in agreement
Survey T-9308 on the east, in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement required.

41. PUBLIC LAND LINES.

Eight (8) section corners and one (1) grant corner were recovered by the field inspection and have been located on the map manuscript. Four (4) of these are being sent to the field editor to check as they did not agree with the General Land Office Plats. The section lines have been shown on an ozalid print for investigation and approval by the field editor.

Sec § 57

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with U. S. C. & G. S. Planimetric Maps T-5240 and T-5319, scale 1:10,000 compiled in 1939. Except for minor discrepancies due to time interval, the comparison was good.

Sec § 62 & 63

Comparison was also made with U. S. Corps of Engineers Quadrangle ORANGE PARK 1:62,500, edition of 1918. Many minor discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

A comparison has been made with U. S. C. & G. S. Nautical Chart No. 685, scale 1:40,000, published June 1949 (2nd edition) and corrected to January 1950. Comparison was limited to the southwest portion of the map manuscript, including part of the shoreline of the St. Johns River.

See § 65

The maps listed under Item 46 appear to be the sources of most of the topography on the nautical chart and the same discrepancies are to be found between the map manuscript and the Nautical Chart as those mentioned under Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith Jr.
Rexford E. Smith Jr.
Carto. Photo. Aid

APPROVED AND FORWARDED:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST.

- BIG LIGE BRANCH ✓
- BLACKS FORD ✓
- BOWEN BRANCH ✓
- CARTWHEEL BAY ✓
- CEDAR HEAD ✓
- CORKLAN BRANCH ✓
- CUNNINGHAM CREEK ✓
- DURBIN CREEK ✓
- DUVAL COUNTY ✓
- FEVER HAMMOCK ✓
- FLAT SWAMP ✓
- FLORA BRANCH ✓
- FLORIDA ✓
- GOPHER ISLAND ✓
- HARDWOOD ✓
- KENDALL CREEK ✓
- LITTLE LIGE BRANCH ✓
- MILL CREEK ✓
- MOLASSES BRANCH ✓
- ORANGEDALE ✓
- PETTY BRANCH ✓
- PINE BLUFF ✓
- SAMPSON COMMUNITY ✓
- SAMPSON CREEK ✓
- SHANDS BRIDGE ✓
- STATE 13 ✓
- STATE 16 ✓
- ST JOHNS COUNTY ✓
- ST JOHNS RIVER ✓

48. GEOGRAPHIC NAME LIST. (CONTINUED)

TROUT CREEK ✓
WATERHOLE ✓
WHITES FORD ✓

PUBLIC LAND GRANTS:

ST JOHNS COUNTY COMMISSIONERS DISTRICT NO. 1 ✓ & No. 2 ✓
DUVAL COUNTY COMMISSIONERS DISTRICT NO. 5 ✓
JOHN EDGE DONATION ✓
F. J. FATIO ✓
FRANCIS P. FATIO ✓
WILLIAM HARVEY ✓
JAMES JAMES DONATION ✓
CONSTANCE MC FEE ✓
JOS. PEAVELL ✓
REBECCA PEUGREE ✓
ISAAC SASPORTAS ✓
Francis Brady ✓

PENGREE

See 30° 04.8"
18° 30.5"
TAMPA

Names underlined in red
 are approved, based on
 Project names report
 1-8-52
 L. Heck

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9309

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. ~~XXXXXXXXXXXXXXXXXXXX~~ 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 J.G. 14. Rocks, shoals, etc. J.G. ~~XXXXXXXXXXXXXXXXXXXX~~ 15. ~~XXXXXXXXXXXXXXXXXXXX~~ 16. ~~XXXXXXXXXXXXXXXXXXXX~~ 17. ~~XXXXXXXXXXXXXXXXXXXX~~ 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. ~~XXXXXXXXXXXXXXXXXXXX~~ 23. ~~XXXXXXXXXXXXXXXXXXXX~~ 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. Basore

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.

Ruford E. Smith Jr.
Compiler

Supervisor

43. Remarks:

FIELD EDIT REPORT
Project Ph-35A(48)
Quadrangle T-9309

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. Actual field work was started 26 February 1952 and completed 14 March 1952.

All additions, corrections and deletions are shown on the field edit sheet.

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

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. S. C. Kenney, Sr., registered land surveyor, of Green Cove Springs, Florida, is best-qualified to examine a proof copy of this work.

56. CONTOURS AND DRAINAGE

Ref. to item 34 - Compilation Report.

Numerous streams were delineated on the field edit sheet by the field editor. Most of these streams were transferred from the field inspection photographs and checked in the field.

57. PUBLIC LAND LINES

Ref. to item 41 - Compilation Report.

The position accuracy of four public land corners were checked and corrected where necessary.

Thirty-five additional monumented corners, theoretical corners or points on line have been shown on the field edit sheet. *No forms 524 were submitted for these stations. EHR*

Information concerning these theoretical corners was obtained from Mr. J. P. Tomlinson, land surveyor for the Hercules Powder Company, who has just completed an extensive land survey in this area.

See § 67

58. OTHER INTERIOR FEATURES

Ref. to item 12 - Field Inspection Report.

Three new roads have been located on the field edit sheet in the east portion of the area. The majority of the unsurfaced roads in this area have been reclassified in accordance with paragraph 5441 of the Topographic Manual.

A few additional buildings have been shown on the field edit sheet.

59. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

19 March 1952
Submitted by:

James E. Hundley
James E. Hundley,
Cartographer

7 April 1952
Approved by:

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

Review Report
Topographic Map T-9309
17 April 1953

62. Comparison with Registered Topographic Surveys:

T-1459b	1:20,000	1876-77
T-2027	1:80,000	1875
T-5240	1:10,000	1935

The area has undergone cultural changes since the dates of these surveys.

63. Comparison with Maps of Other Agencies:

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

General agreement in topography and drainage. Cultural changes have occurred since the date of this survey.

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

685 1:40,000 1949, corr. 51 1/8

Changes in alongshore features, such as piers, have occurred.

66. Adequacy of Results and Future Surveys:

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

67. Public Land Lines:

Monuments recovered by the field parties were generally wooden stakes. Some were concrete without markings. All are shown as accepted corners.

68. Junctions:

Picolata, Florida (C. of E.) 1:24,000 1949

Except as noted below, junction was effected at the time of this review. This required changes or refinements to T-9309, in contours, drainage, vegetation and roads. Florida Highways 13 and 16 were upgraded from medium-duty to heavy-duty roads. The following differences still exist:

At longitude 81° 32.2' - vegetation limit. Difference may be due to change in growth between surveys.

At longitude $81^{\circ} 32.7'$ - unimproved dirt road on T-9309; probably a cultural change.

At longitude $81^{\circ} 33.9'$ - swamp limit. Topography and vegetation indicates T-9309 is correct.

Reviewed by:

Everett H. Ramsey
Everett H. Ramsey

APPROVED:

L C Lande
Chief, Review Section
Photogrammetry Division

Max L. Kelly
Chief, Nautical Chart Branch
Charts Division

LW Swanson
Chief, Photogrammetry Division
25 MAR 59

John Bowie
Chief, Coastal Surveys Division

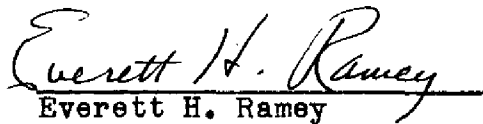
History of Hydrographic Data for T-9309

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 C&GS hydrographic survey H-6297, 1:20,000, 1935 and Blue Print No. 42334 (USE), 1:10,000, 1946-47.

Hydrography was compared to Nautical Chart 685, 1:40,000, 1952, corrected to 52-2/2. Depth curves are shown at 6 and 12 feet.

Hydrography was compiled by Everett H. Ramey 22 October 1953 and checked by O. Svendsen.


Everett H. Ramey

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9309

Record of Application to Charts

[illegible]

M-216B-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.