

9281

ORIGINAL



Diag. Cht. Nos. 1229 & 1231-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-45 (1.9) Office No. T-9281

LOCALITY

State NORTH CAROLINA

General locality ALLIGATOR RIVER

Locality WHIPPING CREEK

194

CHIEF OF PARTY

H. F. Garber, Chief of Field Party

J. E. Waugh, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

MAY 4 1955

DATE

B-1870-1 (11)

9281

DATA RECORD

Page 1

T-9281

Project No. (II): Ph-45(49)

Quadrangle Name (IV):

Field Office (II): Edenton, N. C.

Chief of Party: Harry F. Garber

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: J. E. Waugh

Instructions dated (II) (III): 15 September 1949
19 January 1950 (Supplement One)
15 May 1951 (Supplement Two)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): *JUL 18 1952* Date reported to Nautical Chart Branch (IV): *JUL 24 1952*

Applied to Chart No.

Date:

Date registered (IV): *13 Apr 1955*

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): PIPE STATION H-1 (USE) 1942

Lat.: 35° 38' 45".198 (1393.0m) Long.: 75° 53' 26".503 (666.7m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: *N.C.*

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.

Richard E. Conway, Jr.

Cartographic Survey Aid

35°-45'

35°-37.5'

76°-00'

75°-52.5'

Areas contoured by various personnel

(Show name within area)

(II) (III)

DATA RECORD

Field Inspection by (II):	Richard E. Conway, Jr., Cartographic Survey Aid, George E. Varnadoe, Cartographic Engineer	Date:	Aug. 1950 June 1951
Planetable contouring by (II):	Richard E. Conway, Jr., Cartographic Survey Aid	Date:	Aug. 1950
Completion Surveys by (II):	<i>James E. Hundley</i>	Date:	<i>Mar 1953</i>
Mean High Water Location (III) (State date and method of location):	Air Photo Compilation		April 1951
Projection and Grids ruled by (IV):	L. B. C (W.O.)	Date:	12 July 1951
Projection and Grids checked by (IV):	H. D. W. (W.O.)	Date:	13 July 1951
Control plotted by (III):	I. I. Saperstein	Date:	20 Sept. 1951
Control checked by (III):	R. J. Pate	Date:	20 Sept. 1951
Radial Plot of Stereoscopic Control Extension by (III):	M. M. Slavney	Date:	17 Oct. 1951
Stereoscopic Instrument compilation (III):	Planimetry Inapplicable Contours	Date:	
Manuscript delineated by (III):	R. R. Wagner	Date:	14 March 1952
Photogrammetric Office Review by (III):	J. A. Giles	Date:	8 May 1952
Elevations on Manuscript checked by (I) (III):	J A Giles	Date:	12 March 1952

Camera (kind or source) (III): USC&GS 9-lens 8 $\frac{1}{4}$ inch focal length
Fairchild Cartographic 6" Metrogon lens Camera "0"

Page 4

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
22112	29 March 1948	1147	1:20,000	No periodic tide
22113	"	1148	"	"
22114	"	1149	"	"
49-0-1713	5 Dec. 1949	1145	"	In shore
49-0-1714	"	1146	"	"
49-0-1715	"	1147	"	"
49-0-1716	"	1148	"	"
49-0-1717	"	1149	"	No periodic tide
49-0-1735	"	1217	"	"
49-0-1736	"	1217	"	"
49-0-1737	"	1217	"	In shore
49-0-1738	"	1218	"	"

Tide (III)

~~No periodic tide~~

Reference Station:
Subordinate Station:
Subordinate Station:

Tide is less than 1/4 foot. EHR

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Everett H. Ramey

Date: *6 Jan 1954*

Final Drafting by (IV):

E Longley

Date: *8-25-54*

Drafting verified for reproduction by (IV):

W.O. Hallum

Date: *11-16-54*

Proof Edit by (IV):

J. Strietter

Date: *17 Jan 1955*

Land Area (Sq. Statute Miles) (III): *57*

Shoreline (More than 200 meters to opposite shore) (III): *11*

Shoreline (Less than 200 meters to opposite shore) (III): *none*

Control Leveling - Miles (II): *0*

Number of Triangulation Stations searched for (II): *2*

Recovered: *2*

Identified: *2*

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): *1*

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

Number of Third Order Bench Marks established (II): *4* Identified: *2*

Remarks:

NORTH CAROLINA, Vicinity of Albemarle Sound



FIELD INSPECTION REPORT

Quadrangle T-9281

Project Ph-45(49)

Harry F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with Instructions for Ph-45(49), dated 15 September 1949; Supplement One, dated 19 January 1950; and Supplement Two, dated 15 May 1951. In addition to phases shown on Pages 2 and 3, the work was accomplished by the following personnel:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
Henry R. Spies Cartographic Survey Aid	Shoreline Inspection	April, 1951

2. AREAL FIELD INSPECTION

Only one road, U.S. Highway 264, touches the quadrangle; approximately three miles of this highway cuts across the southeast corner.

The land area is in its natural state (marsh, swamp, open low brush land, and woodland). Lumbering is the only industry. No buildings are in existence.

3. HORIZONTAL CONTROL

Two traverse stations, one established by the N.C. Geodetic Survey, the other by Corps of Engineers, was the only control. Both were re-covered and identified. To supplement these, one station (HARD 1951) * was established and identified on the shore of Alligator River. A copy of a report "Additional Horizontal Control, Ph-45", dated 27 June 1951, is a part of the report for quadrangle T-9274.

* Less Than 3rd order accuracy. *ENR*

4. VERTICAL CONTROL

The only control was established by this party. The bench marks of third order accuracy are:

Trav. Sta. 258 (NCGS)
Az. Mark 258 (NCGS)
T-246
Pipe Sta. H-1

These bench marks were set at approximately one-mile intervals along the only existing road.

5. CONTOURS AND DRAINAGE

In accordance with Bureau Letter No. 711 rs, dated 4 October 1950, no attempt was made to establish elevations in the dismal swamps that are so inaccessible. It is recommended that this map be published as a quadrangle type map. Elevations along the roads that are slightly higher than the adjoining land, and elevations in the cultivated areas corroborated by photo interpretation and a visual inspection conclusively prove that none of the land is above five feet, and no five-foot contour exists. (Copy of Bureau Letter 711 rs, dated 4 October 1950, is attached to the report for T-9274.)

The drainage, although very sluggish, is toward Whipping Creek and Alligator River, except in the southeastern part of the quadrangle where it is toward Long Shoal River.

6. WOODLAND COVER

This is the subject of a special report* covering four quadrangles: T-9275, T-9276, T-9281 and T-9282, submitted by the writer and dated 22 June 1951.

** Filed with the descriptive report for T-9282*

7. SHORELINE AND ALONGSHORE FEATURES

All the shoreline is apparent, being trees bordering swamp or marsh. The shoreline of Alligator River is foul for a considerable distance offshore, with snags, stumps and trees in water.

No bluffs, cliffs, docks, piers, wharves, landings, or submarine cables are in existence.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

None.

10. BOUNDARIES, MONUMENTS AND LINES

This is the subject of a special report* submitted by Mr. Richard L. McGlinchey, Cartographic Survey Aid, dated June, 1950.

** Filed with Project Data, Div. of Photogrammetry.*

11. OTHER CONTROL

None.

See § 3 and § 57.

12. OTHER INTERIOR FEATURES

The road has been classified in accordance with the Topographic Manual.

13. GEOGRAPHIC NAMES

This will be submitted as a special report^{*} for the project at a later date.

** by Merle W. Smith. Filed in Geographic Names Section, Div. of Charts.*

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

There are four special reports. They are listed under items 3, 6, 10 and 13.

24 July 1951

Submitted by:

George E. Varnadoe
George E. Varnadoe
Cartographic Engineer

26 July 1951

Approved by:

Harry F. Garber
Harry F. Garber
Commander, USC&GS
Chief of Party

Photogrammetric Plot Report

This report covers surveys T-9154 through T-9158, T-9273 through T-9276 and T-9279 through T-9283. It is filed as part of the Descriptive Report for T-9158.

[illegible]

31 July 1951

11

COMPILATION REPORT T-9281

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9158.

31. DELINEATION.

The graphic method was used. Due to the poor scale of the photographs, vegetation lines were transferred to the map manuscript by use of the projector.

32. CONTROL.

The identification of control points was good. Density and placement were satisfactory.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

See Item 5.

No difficulty was encountered in the delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

No statement. *None*

38. CONTROL FOR FUTURE SURVEYS.

Item 11 is amended. There is one recoverable topographic station, which is listed under Item 49.

** See § 57. Not applicable for Item 49. SHK*

29. JUNCTIONS.

T-9275 to the north is in agreement.

T-9280 to the west is in agreement.

T-9282 to the east is in agreement.

T-8975 of Ph-20(47) to the south is in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY,

No statement.

See § 66

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with Planimetric Map T-5569, scale 1:20,000, dated June 1935. The two are in fair agreement.

*See § 62 &
§ 63*

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Chart 831, scale 1:40,000, published February 1943, corrected to 4 December 1950, and Chart 1229, scale 1:80,000, published December 1942, corrected to 4 December 1950. They are in good agreement. The map listed under Item 46 appears to be the source of topography and the same statement applies.

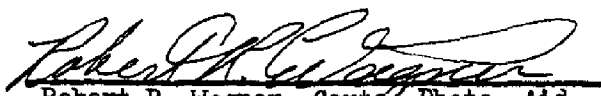
See § 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.


Robert R. Wagner, Carto. Photo. Aid

APPROVED AND FORWARDED:


J. E. Waugh, Chief of Party

FIELD EDIT REPORT
Project Ph-45(49)
Quadrangle T-9281

51. METHODS

The field edit of this area was accomplished by standard surveying methods in conjunction with visual inspection. The actual field work was completed in February, 1953.

Field edit data appears on the field edit sheet, discrepancy print, field photograph No. 22113, and in this report.

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

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

52. ADEQUACY OF COMPILATION

The map compilation is adequate and will be complete after field edit revisions have been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good. *Sec 366*
Refer to item 5 - Descriptive Report - relative to vertical accuracy.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. C. W. Tatem, registered surveyor, of Columbia, N. C., is best qualified to examine a proof copy of this work.

56. BOUNDARIES

Refer to item 10 - Field Inspection Report - and to publication "The Formation of the North Carolina Counties", a copy of which the Tampa Office was furnished with Boundary Report for Project Ph-61.

HYDE - DARE COUNTY LINE - According to Mr. George F. Davis, County Attorney for Hyde County, this line is correct as indicated on the field edit sheet. *Apparently an indefinite line. ETR*

57. OTHER CONTROL

Refer to item 11 - Field Inspection Report.

One azimuth mark "N.C.G.S. 258, 1935" was recovered and identified on nine-lens field photograph No. 22113. Form 524 is submitted.

58. OTHER INTERIOR FEATURES

Refer to item 12 - Field Inspection Report.

All features labeled "Dismantled R.R." have been deleted. These features are of a temporary nature only. After these tram lines (dismantled railroads) have served the purpose of the lumber companies who build them, the rails are removed and the lines soon become covered with vegetation.

59. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

9 March 1953
Submitted by:

James E. Hundley
James E. Hundley, Jr.
Cartographer

25 March 1953
Approved by:

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

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9281

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 J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges J.G. 16. Aids to navigation XXX 17. Landmarks XXX 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 XXX 23. Stereoscopic instrument contours XXX 24. Contours in general XXX 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 XXX

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. for Jesse A. Giles Milton M. Slavney
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.

Compiler_____
Supervisor

43. Remarks:

M-2623-12

T-9281.

Geographic Names.

- North Carolina ✓
- Dare County ✓
- Croatan Township ✓
- East Lake Township ✓
- Hyde County ✓
- Lake Landing Township ✓
- U.S. 264 ✓ Engelhard- Stumpy Point Road ✓
- Alligator River ✓
- Long Shoal River ✓
- Cumberland Creek ✓
- Swan Creek ✓
- Swan Creek Lake ✓
- Whipping Creek ✓
- Whipping Creek Lake ✓

Names underlined in
red are approved.
September 9, 1952
[Signature]

History of Hydrographic Information

for T-9281

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-1362 1:20,000 1875-76

H-5914 1:10,000 1935

Comparison was made with the following nautical charts:

831 1:40,000, 1952 corrected to 52-1/14

1229 1:80,000, 1942 " " 53-8/24

Hydrography was compiled by Everett H. Ramey on 1 March 1954 and verified by O. Svendsen 10 March 1954.


Everett H. Ramey