**DESCRIPTIVE REPORT**

**Type of Survey**

<table>
<thead>
<tr>
<th>Field No.</th>
<th>Rh-45 (49)</th>
</tr>
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<tbody>
<tr>
<td>Office No.</td>
<td>T-9281</td>
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<table>
<thead>
<tr>
<th>LOCALITY</th>
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<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>General locality</td>
</tr>
<tr>
<td>Locality</td>
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</table>

<table>
<thead>
<tr>
<th>CHIEF OF PARTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. F. Garber, Chief of Field Party</td>
</tr>
<tr>
<td>J. E. Waugh, Tampa Photogrammetric Office</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIBRARY &amp; ARCHIVES</th>
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<tbody>
<tr>
<td>MAY 4 1955</td>
</tr>
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<table>
<thead>
<tr>
<th>DATE</th>
</tr>
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<tbody>
<tr>
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</tbody>
</table>
DATA RECORD

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 1951 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' 15.98" (1393.0m) Long.: 75° 53' 26.503" (666.7m) Adjusted


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.
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. Varnadore,
Cartographic Engineer
Date: Aug. 1950

Planetary contouring by (II): Richard E. Conway, Jr.,
Cartographic Survey Aid
Date: Aug. 1950

Completion Surveys by (II): James E. Hundley
Date: Mar 1953

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation
Date: 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 Stereograms
by (III): M. M. Slavney
Date: 17 Oct. 1951

Stereoscopic Instrument compilation (III): Inapplicable
Date:

Planimetry

Contours

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 (J) (III): J A Giles
Date: 12 March 1952
**Photographs (III)**

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
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<tbody>
<tr>
<td>22112</td>
<td>29 March 1948</td>
<td>1147</td>
<td>1:20,000</td>
<td>No periodic tide</td>
</tr>
<tr>
<td>22113</td>
<td></td>
<td>1148</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22114</td>
<td></td>
<td>1149</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1713</td>
<td>5 Dec. 1949</td>
<td>1155</td>
<td></td>
<td>In shore</td>
</tr>
<tr>
<td>L9-0-1714</td>
<td></td>
<td>1156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1715</td>
<td></td>
<td>1157</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1716</td>
<td></td>
<td>1158</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1717</td>
<td></td>
<td>1159</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1735</td>
<td></td>
<td>1217</td>
<td></td>
<td>No periodic tide</td>
</tr>
<tr>
<td>L9-0-1736</td>
<td></td>
<td>1217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L9-0-1737</td>
<td></td>
<td>1217</td>
<td></td>
<td>In shore</td>
</tr>
<tr>
<td>L9-0-1738</td>
<td></td>
<td>1218</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tide (III)**

- No periodic tide
- Tide is less than 1/4 foot

**Reference Station:**
- Date: 6 Jan 1954

**Subordinate Station:**
- Date: 8-25-54

**Subordinate Station:**
- Date: 11-16-54

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

**Final Drafting by (IV):**
- E. Longley

**Drafting verified for reproduction by (IV):**
- W.O. Hallum

**Proof Edit by (IV):**
- J. Strieker

**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 (I):**
- 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:**

---

Form T-Page 4
FIELD INSPECTION REPORT
Quadrangle T-9281
Project Ph-45(49)

Harry F. Gerber, 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:

<table>
<thead>
<tr>
<th>Name and Title</th>
<th>Phase</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henry R. Spies</td>
<td>Shoreline Inspection</td>
<td>April, 1951</td>
</tr>
<tr>
<td>Cartographic Survey Aid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. AERIAL 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.

2. 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 recovered 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.

A. VERTICAL CONTROL

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

- Trav. Sta. 258 (NGGS)
- Az. Mark 258 (NGGS)
- 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.

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.

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
Cartographic Engineer

26 July 1951
Approved by:

Harry F. Garber
Commander, USCG-US
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.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engelhard Quad</td>
<td>N.A. 1927</td>
<td>35 38</td>
<td>45.198</td>
<td>75 53</td>
<td>26.503</td>
<td>1.393.0 (1456.2)</td>
</tr>
<tr>
<td>NCGS 258, 1935</td>
<td>NCGS</td>
<td>35 37</td>
<td>58.977</td>
<td>75 55</td>
<td>17.665</td>
<td>1.817.6 (31.5)</td>
</tr>
<tr>
<td>HARD, 1951</td>
<td>P.C.</td>
<td>726.628.62</td>
<td>6,638.62 (3,361.38)</td>
<td>2,890.695.16</td>
<td>695.16 (9,304.84)</td>
<td>4th Order sta.</td>
</tr>
</tbody>
</table>

1 FT. = 0.048006 METER
COMPUTED BY: I. I. SAPERSTEIN
DATE: 31 July 1951
CHECKED BY: M. M. Slavney
DATE: 31 July 1951
COMPILATION REPORT T-9261

PHOTOGRAVMETRIC 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. §HR

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. 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.
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. Blandley
Cartographer

25 March 1953
Approved by:

Paul Taylor
Lt. Comdr., USCG
Chief of Party
PHOTOGRAMMETRIC OFFICE REVIEW

T. 9281


CONTROL STATIONS


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

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

MISCELLANEOUS


Reviewer: Jesse A. Giles
Supervisor: Milton M. Slavney

40. 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:
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
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. Svendson 10 March 1954.

Everett H. Ramey