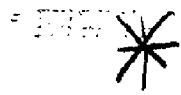


9157



Diag Cht 1278-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Office No. T-9157

LOCALITY

State NORTH CAROLINA

General locality ALBEMARLE SOUND

Locality ALLIGATOR RIVER

1955

CHIEF OF PARTY

Harry F. Garber, Chief of Field Party  
J. E. Waugh, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE April 7, 1955

B-1870-1 (1)

9157

## DATA RECORD

T - 9157

Project No. (II): Ph-45(49)      Quadrangle Name (IV):

Field Office (II): Edenton, North Carolina      Chief of Party: Harry F. Garber

Photogrammetric Office (III): Tampa, Florida      Officer-in-Charge: J. E. Waugh

Instructions dated (II) (III): 15. Sept. 1949  
 19 Jan. 1950 (Supplement one)      Copy filed in Division of  
 15 May 1951 (Supplement two)      Photogrammetry (IV)

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): 16 June 62      Date reported to Nautical Chart Branch (IV): 28 1952

Applied to Chart No.      Date:      Date registered (IV):

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 (2) refer to sounding datum  
 i.e., mean low water or mean lower low water

Reference Station (III): GATOR, 1933

Lat.: 35° 57' 33".636 (1036.7m) Long.: 75° 56' 53".304 (1335.7m)

Adjusted  
~~unadjusted~~

Plane Coordinates (IV):

State:

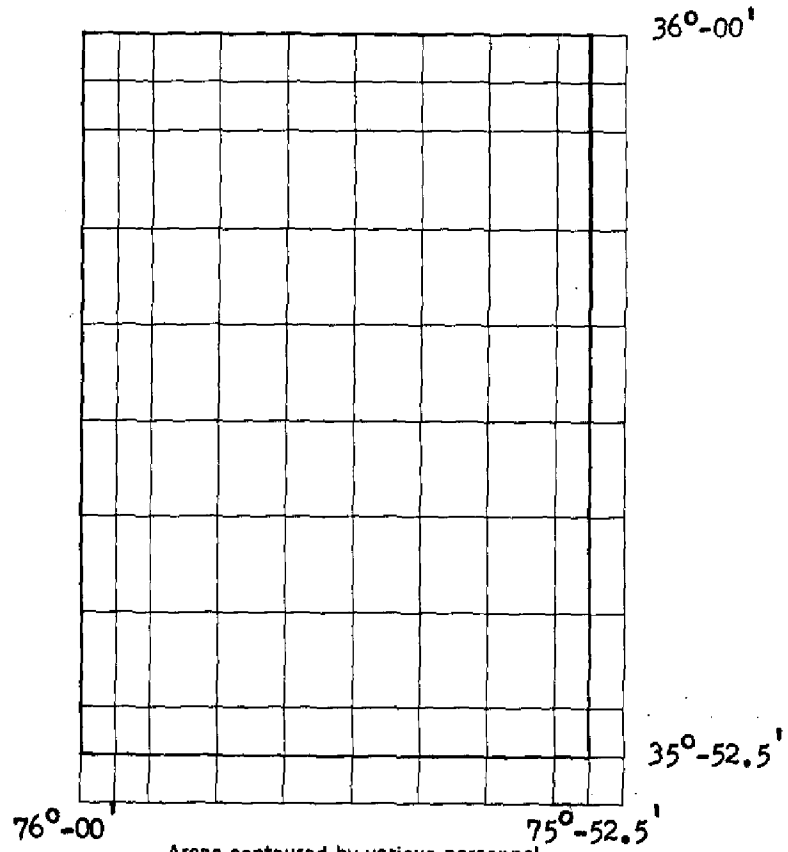
Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
 or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Area contoured by various personnel

(Show name within area)

(II) (III)

## DATA RECORD

Field Inspection by (II):	Matthew A. Stewart Richard E. Conway, Jr.	Date:	Feb., 1951 April, 1951
Planetable contouring by (II):	Richard E. Conway, Jr. Carto. Surv. Aid	Date:	April, 1951
Completion Surveys by (II):		Date:	
Mean High Water Location (III) (State date and method of location):	Air Photo Compilation 6 December 1949		
Projection and Grids ruled by (IV):	L.B.C. (W.O.)	Date:	13 July 1951
Projection and Grids checked by (IV):	H.D.W. (W.O.)	Date:	16 July 1951
Control plotted by (III):	I. I. Saperstein	Date:	5 Sept. 1951
Control checked by (III):	M. M. Slavney	Date:	5 Sept. 1951
Radial Plot <del>on Stereoscopic</del> <del>Controlled</del> by (III):	M. M. Slavney	Date:	16 Oct. 1951
	Planimetry	Date:	
Stereoscopic Instrument compilation (III):	Inapplicable	Date:	
	Contours	Date:	
Manuscript delineated by (III):	R. Dossett	Date:	5 Feb. 1952
Photogrammetric Office Review by (III):	J. A. Giles	Date:	29 May 1952
Elevations on Manuscript checked by <del>it</del> (III):	J. A. Giles	Date:	26 May 1952



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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
49-0-1837-1841, incl.	6 Dec. 1949	11:37 to 11:41	1:20,000	No tide *
49-0-1827-1831, incl.	6 Dec. 1949	11:22 to 11:24	"	"

Tide (III)

No tide \*

Reference Station:  
 Subordinate Station:  
 Subordinate Station:

\* Less than 1/2 foot. SHK

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Everett H. Ramey

Date: 20 May 1954

Final Drafting by (IV):

Anna P. Berry

Date: 19 Aug 1954

Drafting verified for reproduction by (IV):

W.O. Halluin

Date: 9-3-54

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 21  
 Shoreline (More than 200 meters to opposite shore) (III): 31  
 Shoreline (Less than 200 meters to opposite shore) (III): 0.7  
 Control Leveling - Miles (II): 3.5  
 Number of Triangulation Stations searched for (II): 13  
 Number of BMs searched for (II): 1  
 Number of Recoverable Photo Stations established (III): ~~0~~ 3  
 Number of Temporary Photo Hydro Stations established (III): 0  
 Number of Bench Marks established (II): 3

Recovered: 2 Identified: 3  
 Recovered: 1 Identified:

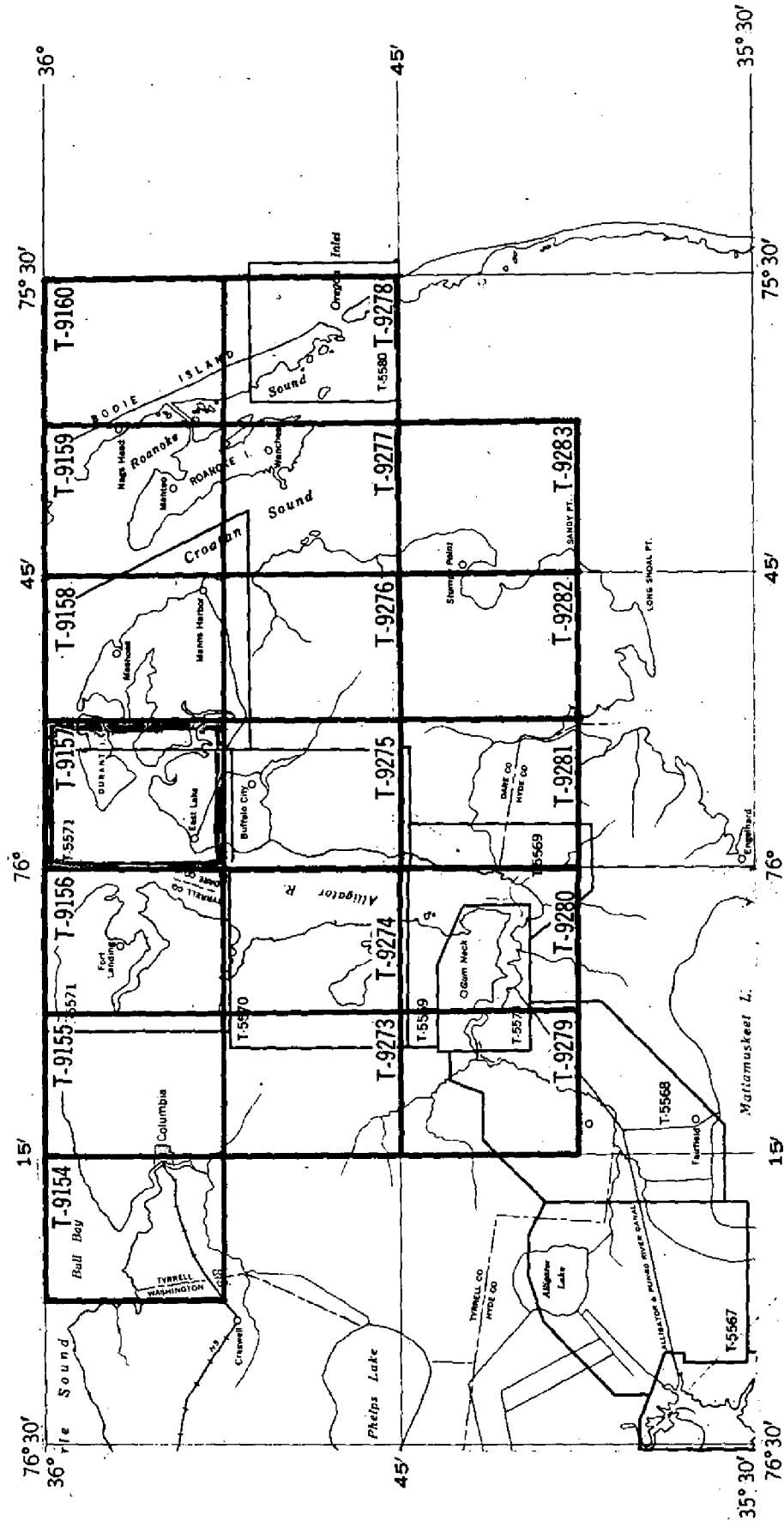
Identified: 3

Remarks:

# TOPOGRAPHIC MAPPING PROJECT

PH-45 (49)

NORTH CAROLINA, Vicinity of Albemarle Sound





## Summary to Accompany Topographic Map T-9157

Topographic map T-9157 is one of eighteen similar maps of project Ph-45(49). It covers portions of the Alligator River and the Albemarle Sound in North Carolina and adjacent land area.

Project Ph-45(49) is a graphic compilation project. Field work in advance of the compilation included the establishment of additional control, the inspection of shoreline and interior features, the delineation of contours at a 5-foot interval by planetable methods and the investigation of political boundaries and geographic names.

Map T-9157 was compiled at a scale of 1:20,000 using single-lens photographs taken in 1949. The map was field edited. With the addition of hydrographic information, the map will be forwarded to the Geological Survey for publication as a standard 7½-minute topographic map.

Items registered under T-9157 will include a descriptive report, a cloth-backed print of the map manuscript at a scale of 1:20,000 and a cloth-backed color print of the published map at a scale of 1:24,000.

FIELD INSPECTION REPORT  
 Quadrangle T-9157  
 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, and Supplement One, dated 19 January 1950, and Supplement Two, dated 15 May 1951. In addition to the 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>
Ralph E. Holland Topographic Engineer	Horizontal Control	April, 1950
Richard L. McGlinchey Cartographic Survey Aid	Vertical Control Horizontal Control	December, 1949 April, 1951

## 2. AREAL FIELD INSPECTION

The eastern terminus of the Alligator River Ferry and U.S. Highway 64 serve the southwestern corner of the quadrangle. This short section of highway and a dirt road leading from it (slightly more than a mile in length) are the only roads. The Village of East Lake, consisting of one small grocery store, a post office and about a dozen dwellings, is located near the Ferry Landing, along the highway. Except for a few cultivated, small fields, along these roads, and the upland trees that surround them, the entire quadrangle is water, marsh and swamp.

Farming and lumbering, both on a small scale, are the only industries.

It is believed that the field inspection is complete.

## 3. HORIZONTAL CONTROL

All known control stations were searched for and reported on Form 526.

No supplemental control was established within this quadrangle. However, control that will affect the compilation of this quadrangle was established just south of its limit, therefore, reference is

made to a letter to the Director, dated 27 June 1951, subject "Additional Horizontal Control, Ph-45", a copy of which is being submitted as part of the report for quadrangle T-9274.

The stations reported lost are:

Alligator, 1914  
 Briery, 1935  
 Durant 2, 1903  
 East, 1935  
 Intracoastal Waterway Bn. 2, 1935  
 Laurel Point 3, 1935  
 Long Shoal Lighthouse, 1914  
 Middle Ground Beacon, 1933  
 Moon, 1935  
 Shine, 1935  
 Tom, 1935

Although "Shine, 1935" was found destroyed (upended by wave action), it was believed to be very near its original position, and was identified for control of the plot.

#### 4. VERTICAL CONTROL

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

F-248  
 G-248  
 H-248

A Wye level was used to establish supplemental elevations along the dirt road previously mentioned. The first and last designated level points are 57-1 and 57-6. The closure was 0.12 ft. and no adjustment was made.

#### 5. CONTOURS AND DRAINAGE

Contouring was done directly on the field photographs by standard plane-table methods, at a contour interval of five feet.

The only contours are along a narrow sand ridge on the sound side of Durant Island. To establish control on this island an elevation was carried, via water level, on a calm day, from bench mark H-248. This line was tied back to the bench mark by the same procedure and the error of closure was negligible.



made to a letter to the Director, dated 27 June 1951, subject "Additional Horizontal Control, Ph-45", a copy of which is being submitted as part of the report for quadrangle T-9274 & T-9158. *CHK*

The stations reported lost are:

Alligator, 1914  
 Briery, 1935  
 Durant 2, 1903  
 East, 1935  
 Intracoastal Waterway Bn. 2, 1935  
 Laurel Point 3, 1935  
 Long Shoal Lighthouse, 1914  
 Middle Ground Beacon, 1933  
 Moon, 1935  
 Shine, 1935  
 Tom, 1935

Although "Shine, 1935" was found destroyed (upended by wave action), it was believed to be very near its original position, \* and was identified for control of the plot.

\* Not held in plot. *CHK*

#### 4. VERTICAL CONTROL

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

F-248  
 G-248  
 H-248

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The drainage on the mainland is man-made canals and ditches, and since the area is very low and flat, the only areas drained are contiguous to these.

#### 6. WOODLAND COVER

Except for a small area of upland trees, on the slight ridge, at East Lake, the woodland cover is swamp trees. These upland trees have been outlined on the photographs and all areas labeled.

#### 7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected from a small boat paralleling the shoreline at close range, and by landing and walking the shore at strategic places.

There is no perceptible periodic tide, therefore, the mean high-water line and low-water line are synonymous.

Due to erosion, that part of the shoreline, along Alligator River, is foul with trees, stumps and snags, which have been indicated on the photographs.

The eastern terminus of the Alligator River Ferry is a salient, and the only alongshore structure.

#### 8. OFFSHORE FEATURES

Non-existent.

#### 9. LANDMARKS AND AIDS

There are no landmarks. The location of fixed Aids to Navigation is covered by a special report titled "Special Report on the Location of Non-Floating Aids to Navigation, Alligator River, North Carolina", a copy of which is part of this report.

#### 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

In accordance with Supplement Two to the Instructions, no monumented topographic stations were established.



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There is no perceptible periodic tide,\* therefore, the mean high-water line and low-water line are synonymous.

\* Less than 1/2 foot. SKR

Due to erosion, that part of the shoreline, along Alligator River, is foul with trees, stumps and snags, which have been indicated on the photographs.

The eastern terminus of the Alligator River Ferry is a salient, and the only alongshore structure.

See §56

#### 8. OFFSHORE FEATURES

Non-existent.

#### 9. LANDMARKS AND AIDS

There are no landmarks. The location of fixed Aids to Navigation is covered by a special report titled "Special Report on the Location of Non-Floating Aids to Navigation, Alligator River, North Carolina", a copy of which is part of this report.

See 57

#### 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. Report filed in Project Data, Div. of Photogrammetry.

#### 11. OTHER CONTROL

In accordance with Supplement Two to the Instructions, no monumented topographic stations were established.

See §58



12. OTHER INTERIOR FEATURES

Roads, buildings, canals and ditches have been classified in accordance with the Topographic Manual.

There are no bridges or other structures over navigable waters.

13. GEOGRAPHIC NAMES

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

\* *Two reports for project filed in Geographic Names Section, Div. of Charts, etc*

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

There are four special reports. They are listed under items 3, 9, 10 and 13.

3 July 1951  
Submitted by:

George E. Varnadoe  
Cartographic Engineer

13 July 1951  
Approved by:

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

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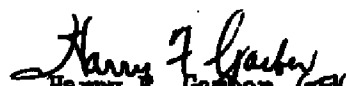
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3 July 1951  
Submitted by:

  
George E. Varnados  
Cartographic Engineer

13 July 1951  
Approved by:

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



SPECIAL REPORT ON THE LOCATION OF  
NON-FLOATING AIDS TO NAVIGATION,  
ALLIGATOR RIVER, NORTH CAROLINA

Project Ph-45(49)

Harry F. Garber, Chief of Party

1. This report covers the non-floating Aids to Navigation from the mouth of the Alligator River on Albemarle Sound to the entrance of the Alligator River-Pungo River Canal. These aids are lights and day-beacons, on single piles or pile structures, and according to the Intra-coastal Waterway Light List, they have all been rebuilt or established during the decade of 1940-1950.
2. It was intended to locate the aids by third order triangulation, but it was found that 75% to 80% of the 1935 triangulation station marks had been lost through erosion. The shoreline is receding at quite a rapid rate as evidenced by the wide border of stumps in water along the shore. Many of the station monuments were found lying horizontally in two or three feet of water. One or two reference marks were recovered at many of the stations as they were placed further inshore than the station marks.
3. It was found that by occupying reference marks, a sufficient number of marks could be recovered to locate the aids by theodolite "cuts". Even though the accuracy may be somewhat below third order, it was decided at a conference with the Assistant Chief of the Division of Photogrammetry to compute the positions of the Aids in the Washington Office.
4. Three or more cuts were obtained for all aids except Alligator River Light No. 18 where only two could be observed. These two cuts have a strong intersection. Alligator River Daybeacon No. 43 has evidently been destroyed and not replaced at the time of the survey as it was not in evidence. Alligator River Light No. 54, located at the entrance of the canal, was pricked direct on the field photographs and will be located by the radial plot.
5. The field work for the location of aids was done by Richard L. McGlinchey, Cartographic Survey Aid.
6. As the D.M.'s. and D.P.'s. of the aids were not computed in the field, the submission of form 567 (Non-Floating Aids for Charts) is being left for the computer.

Harry F. Garber  
Commander, USCGC  
Chief of Party





## COMPILATION REPORT T-9157

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with 9158.

31. DELINEATION.

The graphic method was used.

Field inspection was adequate.

32. CONTROL.

The identification, density and placement of control points were satisfactory.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Reference Item 5.

Drainage was delineated in accordance with field notes and photographic study.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

Alongshore details consist principally of foul areas of stumps. These were generalized by the field inspector and have been treated accordingly.

Reference Item 7 relative to L. W. L.

36. OFFSHORE DETAILS.

None.



37. LANDMARKS AND AIDS.

Reference Item 9.

*Also § 57*38. CONTROL FOR FUTURE SURVEYS.

Reference Item 11.

*See also § 58*39. JUNCTIONS.

Satisfactory junction has been made with T-9156 on the west, T-9158 on the east and T-9275 on the south. There is no contemporary survey on the north.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

*See § 66*46. COMPARISON WITH EXISTING MAPS.

Comparison was made with planimetric maps T-5571 and T-5572, scale 1:20,000, dated January 1935. Except for a slight discrepancy of width at the EAST LAKE FERRY LANDING, the shoreline is in good agreement.

*See § 62**& § 63*

Comparison was also made with U. S. Corps of Engineers Quadrangle ROANOKE ISLAND, N.C., scale 1:125,000, dated 1942. The two are in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Chart 1228, scale 1:80,000, published May 1937, corrected to October 2, 1950, and Chart 831, scale 1:40,000, published February 1943, corrected to December 4, 1950. The planimetric maps listed under Item 46 appear to be the main source of topography on these charts and the same statement applies.

*See § 65*

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

Reference Item 11.

39. JUNCTIONS.

Satisfactory junction has been made with T-9156 on the west, T-9158 on the east and T-9275 on the south. There is no contemporary survey on the north.

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No statement.

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ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett  
Rudolph Dossett, Carto. Photo. Aid  
J.G.

APPROVED AND FORWARDED:

J. E. Waugh  
J. E. Waugh, Chief of Party



T-9157. Geographic Names.

North Carolina  
Dare County  
East Lake Township  
Croatan Township  
Tyrrell County  
Alligator Township  
Albemarle Sound  
Alligator River  
Intracoastal Waterway  
U.S. No. 64

Laurel Point  
East Lake Landing  
East Lake (settlement)  
Lake Neighborhood "  
Deep Bay  
Deer Creek  
Broad Creek  
South Lake  
Briery Hall Point  
Boranges Point  
East Lake  
Lake Point  
Sound Point  
Durant Island  
Ned Bees Point  
Tom Mann Creek

Names underlined in red  
are approved. 6-24-52  
L. Hack

FIELD EDIT REPORT  
Project Ph-45(49)  
Quadrangle T-9157

51. METHODS

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

Field edit data appears on the field edit sheet, discrepancy print, field photographs 49-0-1828, 1838 and 1839, and in this report.

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

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

52. ADEQUACY OF COMPILATION

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

*See §66*

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

See Item 5 - Field Inspection Report relative to contours in this area.

*See §66*

54. RECOMMENDATIONS

Recommend that spot elevations be shown along the sand ridge on north shore of Durant Island and the contours be deleted due to fact that this ridge is subject to change with storm tides.

*Contours shown. Note regarding changes added. EHR*

55. EXAMINATION OF PROOF COPY

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



#### 56. SHORELINE AND ALONGSHORE FEATURES

All shoreline is foul with stumps and roots of old trees except where large areas of marsh exist.

Refer to item 7 - Field Inspection Report.

Additional piling have been shown on the field edit sheet at or near East Lake Landing and Boranges Point.

The wreck shown on the field edit sheet near Ned Bees Point is actually on the beach and is not a hazard to navigation.

Fish net stakes extend north from north shore of Durant Island, for approximately one-half mile, throughout the entire length of the island.

#### 57. LANDMARKS AND AIDS TO NAVIGATION

Refer to Item 9 - Field Inspection Report.

There are no landmarks. Form 567 is submitted.

Alligator River Light 8 has been moved since the 1951 position was established. The new position for this light is shown on the field edit sheet. Forms 24A and 567 are submitted.

Alligator River Daybeacon 2 has been destroyed. Delete from chart. Form 567 is submitted.

#### 58. OTHER CONTROL

Refer to Item 11 - Field Inspection Report.

The positions of three topographic stations were located on the photographs. Forms 524 and 24A are submitted. One station, Tidal Bn. No. 1, 1935, was recovered and identified near East Lake Landing. The other two stations, ISLE, 1953 and FOUL, 1953, were set on the north shore of Durant Island.

59. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

13 April 1953  
Submitted by:

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

23 April 1953  
Approved by:

*Paul Taylor*  
Paul Taylor  
Lt. Comdr., USC&GS  
Chief of Photo. Party #1

48. GEOGRAPHIC NAME LIST.

ALBEMARLE SOUND  
 ALLIGATOR RIVER  
 ALLIGATOR TOWNSHIP

BORANGES POINT  
 BRIERY HALL POINT  
 BROAD CREEK

CROATAN TOWNSHIP

DARE COUNTY  
 DEEP BAY  
 DEER CREEK  
 DURANT ISLAND

EAST LAKE (TOWN)  
 EAST LAKE (LAKE)  
 EAST LAKE LANDING  
 EAST LAKE TOWNSHIP

INTRACOASTAL WATERWAY

LAKE NEIGHBORHOOD  
 LAKE POINT  
 LAUREL POINT

\* MIDDLE GROUND

NED BEES POINT  
 NORTH CARCLINA

\* SANDY POINT SHOAL  
 SOUTH LAKE  
 SOUND POINT

TOM MANN CREEK  
 TYRRELL COUNTY

U. S. 64

\* Name not shown on map manuscript because feature could not be delineated.

49. NOTES FOR THE HYDROGRAPHER.

The following were plotted on the map manuscript (Register Number T-9157) from plane coordinates furnished by the Washington Office. Their geographic positions were scaled and listed on Form 567:

ALLIGATOR RIVER DAYBEACON 2, 1951

ALLIGATOR RIVER LIGHT 6, 1951

ALLIGATOR RIVER LIGHT 8, 1951

There were no recoverable topographic stations submitted on Forms 524.



50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9157

- 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 MMS 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 XXX 10. Photogrammetric plot report H.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 XXX 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 XXX 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. Jesse A. Giles  
 Reviewer

Jesse A. Giles  
 Supervisor, Review Section of Unit  
*Examined by J. A. ...*

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.

\_\_\_\_\_  
Complier

\_\_\_\_\_  
Supervisor

43. Remarks:



50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9157

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

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## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges XXX 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 XXX 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. Jesse A. Giles Jesse A. Giles  
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.

R. Dossett  
Compiler

William A. Pascoe  
Supervisor

43. Remarks:

T-9157.

Geographic Names.

- North Carolina ✓
- Dare County ✓
  - East Lake Township ✓
  - Croatan Township ✓
- Tyrrell County ✓
  - Alligator Township ✓
- Albemarle Sound ✓
- Alligator River ✓
- Intracoastal Waterway ✓
- U.S. No. 64 ✓
  
- Laurel Point ✓
- East Lake Landing ✓
- East Lake ✓ (settlement)
- Lake Neighborhood ✓ "
- Deep Bay ✓
- Deer Creek ✓
- Broad Creek ✓
- South Lake ✓
- Briery Hall Point ✓
- Boranges Point ✓
- East Lake ✓
- Lake Point ✓
- Sound Point ✓
- Durant Island ✓
- Ned Bees Point ✓
- Tom Mann Creek ✓

Names underlined in red  
are approved. 6-24-52

A. J. W.

49. NOTES FOR THE HYDROGRAPHER.

The following were plotted on the map manuscript (Register Number T-9157) from plane coordinates furnished by the Washington Office. Their geographic positions were scaled and listed on Form 567:

~~ALLIGATOR RIVER DAYBEACON 2, 1951~~ *Non-existent. J.E.H., 1953*

ALLIGATOR RIVER LIGHT 6, 1951

~~ALLIGATOR RIVER LIGHT 8, 1951~~ *Moved, J.E.H., 1953*  
*New form 567 submitted*

There were no recoverable topographic stations submitted on Forms 524.

*Positioned during field edit. (See §58) :*

*Tidal BM No. 1, 1953*

*Isle, 1953*

*Foul, 1953*















History of Hydrographic Information for T-9157

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 sources:

Hydrographic Surveys: H- 220, 1:20,000, 1849  
H-1361, 1:20,000, 1877  
H-3732, 1:30,000, 1915  
H-5913, 1:20,000, 1935

Nautical Charts: 831, 1:40,000, 1952 corrected to 53-6/15  
1228, 1:80,000, 1937 corrected to 53-5/11  
1229, 1:80,000, 1942 corrected to 53-8/24

The hydrography was compiled by Everett H. Ramey on 7 October 1954 and verified by O. Svendsen on 13 October 1954.

  
Everett H. Ramey



Review Report  
Topographic Map T-9157  
20 May 1954

62. Comparison with Registered Topographic Surveys.-

T-284	1:20,000	1849
T-293	"	1848-49
T-825	"	1861
T-3538	1:40,000	1915-16
T-5571	1:20,000	1934
T-5572	"	1935
T-6369	"	1935

Shoreline erosion and a small amount of cultural change have occurred since these surveys. Map T-9157 is to supersede these prior surveys for nautical charting purposes for the area it encompasses.

63. Comparison with Maps of Other Agencies.-

Roanoke Island, N. C. (USE) 1:125,000 1942

There are no significant differences between the two maps.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

1228 1:80,000 1937 corrected to 53-5/11

Map T-9157 shows several shoreline features (i.e., piling, pier) which are not shown on this chart. According to the field editor, Target "C" REF at latitude 35° 59.3' - longitude 75° 54.3' was not in existence at the time of field edit in 1953. Other than these differences, the chart agrees generally with T-9157.

66. Adequacy of Results and Future Surveys.-This map meets the National Standards of Map Accuracy and complies with project instructions.

Reviewed by:

Everett H. Ramey  
Everett H. Ramey

APPROVED:

L. C. Lunde  
Chief, Review Branch  
Div. of Photogrammetry

H. W. Swanson  
Chief, Div. of Photogrammetry *MSR*

30 March 1955

H. W. Edmonson  
Chief, Nautical Chart Branch  
Division of Charts *CFU*

Carl O. Heaton  
Chief, Div. of Coastal Surveys *B*

