9156

Diag. Cht. No. 1228-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-45 (49) *Office No.* T-9156

LOCALITY

State North Carolina

General locality Albemarle Sound

Locality Little Alligator River

1951

CHIEF OF PARTY

H. F. Garber, Chief of Field Party

J.E. Waugh, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE JULY 19, 1955

8-1870-1 (1)

9156

DATA RECORD

T-9156

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

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

Photogrammetric Office (III): Tampa, Fla. Officer-in-Charge:

Instructions dated (II) (III): 15 September, 1949
19 January, 1950 (Supp.One)
15 May, 1951 (Supp. 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): AUG 25 1952 Date reported to Nautical Chart Branch (IV): AUG 29 1952

Applied to Chart No. Date: Date registered (IV): 20 June 1953

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): LONG SHOAL POINT, 1914

Lat.: 35° 57' 25".255 (778.4m.) Long.: 76° 00' 53".400 (1338.2m.) Adjusted

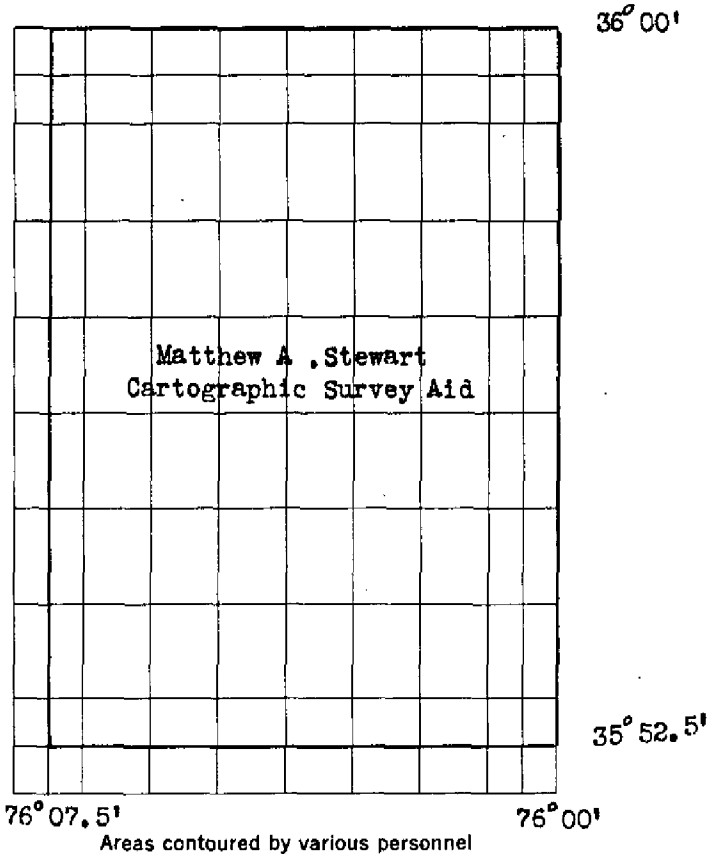
Plane Coordinates (IV): State: N. C. Zone:

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.

M-2618-12(4)



Areas contoured by various personnel

(Show name within area)

(II) (III)

DATA RECORD

Field Inspection by (II): Richard L.McG linchey
Cartographic Survey A id
Date: January, 1951

Planetable contouring by (II): Matthew A. Stewart
Cartographic Survey Aid
Date: F ebruary, 1951

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

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation
6 Dec. 1949

Projection and Grids ruled by (IV): L. B. C. (W.O.)
Date: 21 June 1951

Projection and Grids checked by (IV): H. D. W. (W.O.)
Date: 2 July 1951

Control plotted by (III): I. I. Saperstein
Date: 5 Sept. 1951

Control checked by (III): M. M. Slavney
Date: 6 Sept. 1951

Radial Plot or Stereoscopic [redacted] by (III): M. M. Slavney
Date: 14 Nov. 1951

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

Manuscript delineated by (III): R. A. Reece
Date: 20 Feb. 1952

Photogrammetric Office Review by (III): R. Dossett
J. A. Giles
Date: 9 April 1952
13 June 1952

Elevations on Manuscript checked by (III): R. Dossett
Date: 9 April 1952

M-2618-12(4)

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
49-0-1824	6 Dec. 1949	11:22	1:20,000	No tide *
1825	"	11:22	"	"
1826	"	11:22	"	"
1827	"	11:23	"	"
1842	"	11:42	"	"
1843	"	11:43	"	"
1844	"	11:43	"	"
1861	"	11:57	"	"
1862	"	11:57	"	"
1863	"	11:58	"	"

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: No periodic tide *			
Subordinate Station:			
Subordinate Station:			

* The range of tide is less than ½ foot. 54L

Washington Office Review by (IV): Everett N. Ramey Date: 11 June 1954

Final Drafting by (IV): Pat Lach Date: 11-8-54

Drafting verified for reproduction by (IV): Wm. Hallum Date: 11-24-54

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 36

Shoreline (More than 200 meters to opposite shore) (III): 35

Shoreline (Less than 200 meters to opposite shore) (III): 1.5 stat. mi.

Control Leveling - Miles (II): 7

Number of Triangulation Stations searched for (II): 17 Recovered: 7 Identified: 7

Number of BMs ~~searched for~~ established (II): 8 Recovered: /////// Identified: 8

Number of Recoverable Photo Stations established (III): 7

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

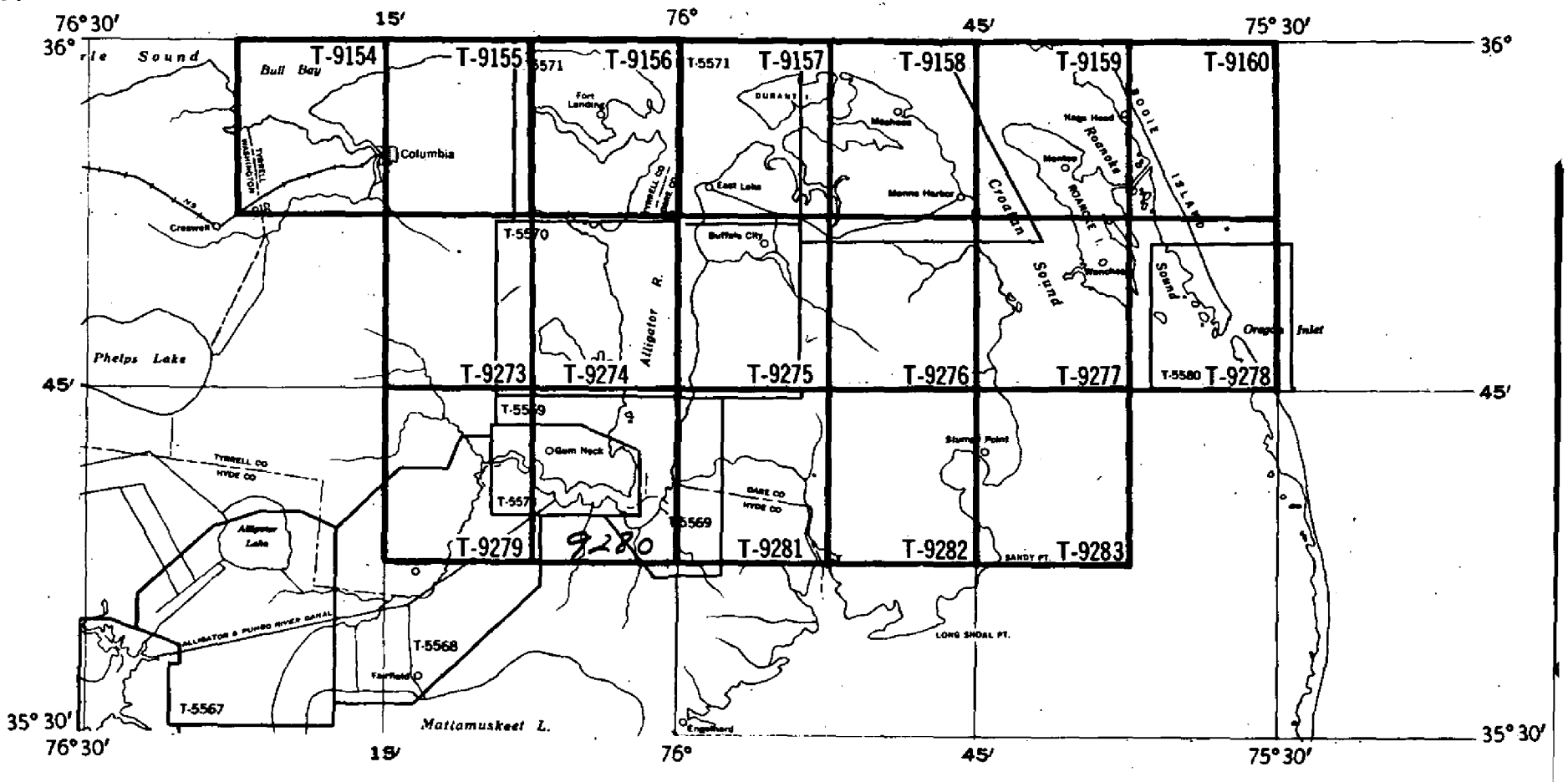
Remarks:

M-2618-12(4)

TOPOGRAPHIC MAPPING PROJECT

PH-45 (49)

NORTH CAROLINA, Vicinity of Albemarle Sound



Summary to Accompany Topographic Map T-9156

Topographic map T-9156 is one of eighteen similar maps of project Ph-45(49). It covers a portion of the Alligator River and the Albemarle Sound and land area to the westward.

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

Map T-9156 was completed 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 quadrangle.

Items registered under T-9156 will include a cloth-mounted print of the map manuscript at a scale of 1:20,000, a cloth-mounted color print of the published map at a scale of 1:24,000, and the descriptive report.

FIELD INSPECTION REPORT
Quadrangle T-9156
Project Ph-45(49)

Harry F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with Instructions, dated 15 September 1949, Supplement One, dated 19 January 1950, and Supplement Two, dated 15 May 1951.

In addition to the phases listed on pages 2 and 3, field work was accomplished by the following personnel:

Name and Title	Phase	Date
Richard L. McGlinchey Cartographic Survey Aid	Horizontal Recovery and Identification, Shoreline and Interior Inspection	January, 1951
Richard E. Conway, Jr. Cartographic Survey Aid	Vertical Control Recovery, Fly Levels	December, 1950

2. AREAL FIELD INSPECTION

The quadrangle is bisected by Little Alligator River, which is one of the three salient features, the other two being portions of Albemarle Sound and Alligator River.

The area is low, heavily wooded, with scattered small farms, and sparsely populated, with no incorporated towns and only three small villages. Farming, fishing, and a limited amount of lumbering are the only industries.

Two highways serve the area. N. C. Route 64 running east and west through the southern portion of the quadrangle, serves the Alligator River Ferry at the Sandy Point Landing. Another highway "Fort Landing Road" (formerly N. C. Route 64) originating at the abandoned ferry dock at Fort Landing, extends across the northern portion of the quadrangle to Columbia. Few secondary roads serve the area and there are no railroads. Numerous tram lines and corduroy roads, built during lumbering operations, and soon abandoned, are clearly discernible on the photographs.

Photography for the area was good and the tone detail clear. The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

All known horizontal control was searched for and reported on Form 526. A sufficient number of stations were identified to satisfy the project instructions.

(a) One supplemental control station was established, for use of the radial plot, on the western shore of Alligator River just north of Second Creek. The station is marked by a standard topographic station disk, stamped "MALL, 1951", and a reference mark. It was located by a four point theodolite fix, observing three directions on one triangulation station reference mark, and three fixed Aids to Navigation. The Aids were previously located by triangulation methods. A substitute station was located from MALL and identified on the photographs.

A third order position on "Control Pt., Long Shoal", was established for the purpose of locating Aids to Navigation in Alligator River. Station is not described and not recoverable. See §9

(b) No datum adjustments were made by this party.

(c) Not applicable.

(d) PEAR TREE POINT 2, 1903, requested by the compilation office to be identified, was reported destroyed in 1909 and no search made for it by this party.

(e) Stations reported lost or destroyed are:

Little Alligator River House, 1914
Fort, 1935
False, 1935
Pear Tree Point 2, 1903
Little, 1935
Point, 1935
Club, 1935
Sandy Point Shoal Beacon Light, 1933
Intracoastal Waterway Beacon 4, 1933
" " " 6, 1933

FORT, 1935, was found destroyed, having been undermined and upended by wave action. However, the base of the monument and the hole left by it were checked by measurements from the two reference marks. A sub-station was located from this point for use of the radial plot.

4. VERTICAL CONTROL

In order to supplement the existing control, a third order level line was run by this party in 1949 along N. C. Highway 64. Those bench marks within this quadrangle are reported on Form 685A.

(a) Bench Marks.

1. Third order bench marks established by this party are:

J-248, 1949	N-248, 1949
K-248, 1949	P-248, 1949
L-248, 1949	Q-248, 1949
M-248, 1949	R-248, 1949

3. Adjustment of this line was made by the Washington Office and adjusted elevations were used in establishing supplementary control.

(b) 7.0 Miles of fly levels were run with a Wye level to establish additional control for contouring. The greatest error of closure was 0.25 foot and no adjustment was made.

(c) The first and last level points are 56-1 and 56-11.

(d) Inapplicable.

(e) Inapplicable.

5. CONTOURS AND DRAINAGE

The contour interval is five feet. However, no contour was found. Elevations were established along all roads, and cultivated areas. The highest elevation found was ~~4.3~~ 6.0 feet.

Although drainage is slight, the trend is toward Little Alligator River. Numerous ditches drain the cultivated areas which feed into canals leading to the river. Areas not cultivated are generally under water or very wet for all except the hottest 3 months of the year.

6. WOODLAND COVER

The coverage was classified in accordance with Topographic Manual Part II. Pine, gum, and cypress cover the entire wooded area. However, the two most prominent types were noted on the photographs in any one particular area.

7. SHORELINE AND ALONGSHORE FEATURES

All shoreline was inspected and classified on the field photographs.

(a) Only along the southern shore of Albemarle Sound is there any hard fast shoreline, and the mean high water line is so indicated.

(b) There is no periodic tide.* The wind fluctuates the water somewhat and with the exception of (a), all shoreline is apparent.

* Less than ½ feet. SHR

(c) Inapplicable.

(d) No bluffs or cliffs exist.

(e) Docks, wharves, piers and landing are clearly discernible on the photographs and are so labeled.

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

(g) There are no other offshore structures.

8. OFFSHORE FEATURES

Numerous fish stakes extend north into Albemarle Sound from the shoreline and are labeled on the photographs. A duck blind just off Long Shoal Point was located by third order methods from shore stations and the data submitted on Form 24a. All obstructions and wrecks shown on charts numbers 831 and 1228 were investigated and labeled on the chart which will be submitted.* Practically all the offshore on Little Alligator River and Alligator River is foul with stumps and snags for approximately 50 meters out.

See 365

* Could not be found at time of this review. SHR

9. LANDMARKS AND AIDS

(a) This is the subject of a special report, which includes all non-floating aids in Alligator River, a copy of which is a part of this report.

10. BOUNDARIES, MONUMENTS AND LINES

See Special Report on Boundaries, dated 10 May 1950, by R. L. McGlinchey, Cartographic Survey Aid, filed under project data in the Division of Photogrammetry.

11. OTHER CONTROL

Recoverable topographic stations are:

N. W. Corner Boathouse, 1951
South Gable Clubhouse, 1951
Shed, 1951
Free, 1951
Avon, 1951
Mill, 1951
Mall, 1951

12. OTHER INTERIOR FEATURES

Roads were classified in accordance with Topographic Manual Part II. All buildings were inspected and classified in accordance with Project Instructions. There is only one bridge in the quadrangle. It is a fixed wooden bridge* at the mouth of Little Alligator River with skiff clearance only.

*This bridge is near the head of Little Alligator River and falls on T-9155. SHR

13. GEOGRAPHIC NAMES

This will be treated in a separate report to be submitted at a later date. Filed in Geographic Names Section, Div. of Charts.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

In addition to items 10 and 13, charts numbers 831 and 1228 are being submitted with this report.

12 June 1951
Submitted by:

Richard L. McGlinchey
Richard L. McGlinchey
Cartographic Survey Aid

14 June 1951
Approved by:

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

T-4158
T-9157

Rec 7/10/51 xP-940
60 day completion desired

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 daybeacons, on single piles or pile structures, and according to the Intracoastal 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, 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.

Photogrammetry

* All triangulation is also listed in G.P.'s for N.C.

MAP T-9156 PROJECT NO. Ph-45(49) SCALE OF MAP 1:20,000 SCALE FACTOR -

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)
SANDY PT. 3, 1935	Fort Landing Quad 21	N. A. 1927	35 55 21.513 76 00 44.568			663.1 (1,186.2) 1,117.3 (386.9)	
LONG SHOAL POINT, 1914	" 32	"	35 57 25.255 76 00 53.400			778.4 (1,070.9) 1,338.2 (165.4)	
SHOW, 1935	" 30	"	35 56 44.606 76 01 04.547			1,374.8 (474.4) 114.0 (1,389.8)	
LEWIS, 1933	" 39	"	35 59 26.262 76 03 49.581			809.4 (1,039.8) 1,242.0 (261.0)	
ROCK POINT, 1935	" 23	"	35 55 45.448 76 03 12.495			1,400.8 (448.5) 313.2 (1,190.9)	
RM 1, GREAT, 1935 Comp.	" 28	"	35 56 ~~36.612~~ 36.921 76 02 ~~54.873~~ 55282			~~1,128.4~~ 1138.7 ~~(720.8)~~ ~~1,375.3~~ 1387.8 ~~(128.5)~~	
BIGHT, 1935	" 31	"	35 56 19.565 76 03 03.122			603.0 (1,246.2) 78.2 (1,425.4)	
POINT RM 2, 1935	Comp	"	35 56 02.707 76 01 14.735			83.4 (1,765.8) 369.4 (1,134.7)	
FALSE 2, RM 1, 1935	"	"	35 54 11.842 76 01 44.136			365.0 (1,484.3) 1,106.8 (397.8)	
FORT RM 2, 1935	"	"	35 56 40.281 76 03 54.301			1,241.5 (607.7) 1,361.0 (142.8)	
CLUB RM 2, 1935	"	"	35 56 30.583 76 01 52.730			942.6 (906.7) 1,321.6 (182.2)	
MALL, 1951 (Topo)	Photostat P.C.	"	786,855.16 2,875,458.69	6,855.16 (3,144.84) 5,458.69 (4,541.31)	TOPO STA.		

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein DATE 30 August 1951 CHECKED BY M. M. Slavney DATE 4 Sept. 1951

M-2388-12

COMPILATION REPORT T-9156

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9158.

31. DELINEATION.

The graphic method was used.

Photographs were clear and of fair scale.

Field inspection was adequate.

32. CONTROL.

Horizontal control was adequate. Identification, placement and density were satisfactory.

33. SUPPLEMENTAL DATA.

None used. See § 14

34. CONTOURS AND DRAINAGE.

Drainage is shown according to field inspector's notes and photo interpretation. Refer to Item 5 relative to contours.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate. Foul areas are approximate and generalized.

No low water line is shown. Shoal lines* are delineated from office interpretation of the photographs.

* Somewhere inspected as LW line during field edit. EHK

36. OFFSHORE DETAILS.

No unusual problems were encountered. Questionable details have been noted on the discrepancy overlay.

37. LANDMARKS AND AIDS.

There are no landmarks.

Nonfloating Aids are listed on Form 567.

38. CONTROL FOR FUTURE SURVEYS.

Seven (7) topographic stations are shown on Form 524. They are listed in Item 49.

39. JUNCTIONS.

T-9155 to the west, T-9157 to the east and T-9274 to the south made satisfactory junction. The waters of ALBEMARLE SOUND bound the north.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement. See §6

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with Planimetric Map T-5571, scale 1:20,000, dated January 1935, and found to be in good agreement. See §62 & §63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart 1228, scale 1:80,000, published May 1937, corrected to 2 October 1950. Planimetric Map T-5571 appears to be the main source of the charted topographic features. See §65

Agreement in general is comparable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD.

None.

Richard A. Reece

Richard A. Reece
Carto. Photo. Aid

APPROVED AND FORWARDED:

J. E. Waugh

J. E. Waugh, Chief of Party.

FIELD EDIT REPORT
Project Ph-45(49)
Quadrangle T-9156

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 49-0-1842 and 49-0-1862, 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 - Field Inspection Report - relative to vertical accuracy. See §6

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.

GEOGRAPHIC NAMES

Refer to questions on Discrepancy Print.

1. MT. ZION CHURCH - Delete from map - Non-existent.

2. GOAT NECK - This name is correctly placed on the field edit sheet. It is a sectional name, rather than a community name.

3. ALLIGATOR - This name was verified in the field and has been properly placed on the field edit sheet. It is also a sectional name.

56. OFFSHORE FEATURES

Refer to item 8 - Field Inspection Report.

Several additional offshore features, old piling and duck blinds, have been shown on the field edit sheet.

57. OTHER INTERIOR FEATURES

Refer to item 12 - Field Inspection Report.

One additional canal (boat) has been shown on the field edit sheet, near latitude 35°-56', longitude 76°-07'.

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

Additional buildings have been shown on the field edit sheet.

58. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

6 February 1953
Submitted by:

James E. Hundley
James E. Hundley, A.C.
Cartographer

25 March 1953
Approved by:

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

Form T-2

50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 9156

1. Projection and grids R.D. 2. Title R.D. 3. Manuscript numbers R.D. 4. Manuscript size R.D.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy R.D. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) R.D. 7. Photo hydro stations XX 8. Bench marks R.D.
9. Plotting of sextant fixes XX 10. Photogrammetric plot report R.D. 11. Detail points R.D.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline R.D. 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation R.D. 17. Landmarks XX 18. Other alongshore physical features R.D. 19. Other alongshore cultural features R.D.

PHYSICAL FEATURES

20. Water features R.D. 21. Natural ground cover R.D. 22. Planetable contours R.D. 23. Stereoscopic instrument contours XX 24. Contours in general R.D. 25. Spot elevations R.D. 26. Other physical features R.D.

CULTURAL FEATURES

27. Roads R.D. 28. Buildings R.D. 29. Railroads R.D. 30. Other cultural features R.D.

BOUNDARIES

31. Boundary lines R.D. 32. Public land lines XX

MISCELLANEOUS

33. Geographic names R.D. 34. Junctions R.D. 35. Legibility of the manuscript R.D. 36. Discrepancy overlay R.D. 37. Descriptive Report R.D. 38. Field inspection photographs XX 39. Forms R.D.

40. Rudolph Dossett (Reviewer) — Milton M. Slavney, Supervisor, Review Section or Unit J.G.

Jesse A. Giles (Reviewer)

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT by Tampa

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

Review Report
Topographic Map T-9156
11 June 1954

62. Comparison with Registered Topographic Surveys.-

T-246	1:20,000	1848
T-284	1:20,000	1849
T-3493	1:40,000	1915
T-5571	1:20,000	1934
T-6369	1:20,000	1935

Some changes in shoreline and interior features have occurred since these surveys. An error of approximately 50 meters in the position of shoreline at Flag Point in the Little Alligator River is indicated for T-5571 in comparison with this map. Map T-9156 is to supersede these prior surveys for nautical charting purposes for the area encompassed by this map.

63. Comparison with Maps of Other Agencies.-

Columbia, N.C. (C.ofE.) 1:125,000 1943

This map is in general agreement with T-9156.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

831	1:40,000	1952 corrected to 53-6/15
1228	1:80,000	1937 corrected to 53-5/11

Chart 1228 shows two wrecks at latitude 35° 56.8' - longitude 76° 03.8', and both charts show a pile at latitude 35° 56.6' - longitude 76° 00.7' which were reported by the field editor in 1953 as non-existent. The map shows the foreshore area at Long Shoal Point much larger than is shown on the charts. The limits of this area are approximate. Changes made to the map manuscript during this review are shown in red.

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 Lundy
Chief, Review Branch
Div. of Photogrammetry

H L Edmonston
Chief, Nautical Chart Branch
Division of Charts GPL

L W Swanson
Chief, Div. of Photogrammetry

Earl O. Heaton
Chief, Div. of Coastal Surveys

July 8, 1918

48. GEOGRAPHIC NAME LIST.

ALBEMARLE SOUND
ALLIGATOR
ALLIGATOR RIVER
ALLIGATOR TOWNSHIP
ATKINS SOUND Island
ALLIGATOR CHAPEL
BIG ISLAND
BIG SAVANNAH
BUZZARD POINT

CHARLES ISLAND

DARE COUNTY

EAST LAKE TOWNSHIP

FLAG POINT
FORT LANDING

*GOAT NECK
GOOSE POND
GOOSE POND ISLAND
GREYS CANAL

INTRACOASTAL WATERWAY

LEWIS POINT (both point and settlement)
LITTLE ALLIGATOR RIVER (use this name pending decision re Alligator B.G.N. Creek)
LONG SHOAL POINT

MT MARIA CHURCH
MILL POINT
MILL POINT ISLAND
MILLER LANDING
~~MT ZION CHURCH~~ See §55

NORTH CAROLINA

PEARTREE POINT
PLEASANT POINT
PLEDGER LANDING

Both names are approved in Project Names Report but it shows Alligator twice — near Goat Neck (village) and also at St. John church. Field Editor should check correct position. See §55

48. GEOGRAPHIC NAME LIST (CONTINUED)

ROCK POINT ✓

SANDY POINT ✓

SECOND CREEK ✓

SOUTHSHORE LANDING ✓ (one word per Names Report)

ST JOHNS CHURCH ✓

TYRRELL COUNTY ✓

U. S. 64 ✓

WESLEY CHAPEL ✓

* To be checked by field editor for placement and correctness.

Names underlined in red are approved, on basis of Project Names Report. 10-13-52 L. Heck

Checked and approved 6-8-54 A.J.W.

49. NOTES FOR THE HYDROGRAPHER:

The following list of recoverable topographic stations may be useful to the hydrographer:

MALL, 1951

MILL, 1951

AVON, 1951

FREE, 1951

SHED, 1951

SOUTH GABLE CLUBHOUSE, 1951

N. W. CORNER BOATHOUSE, 1951

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED
~~NOT BE CHARTED~~ STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 20 Feb., 1952

I recommend that the following objects which have ~~(HAVE)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(NOT BE CHARTED)~~ the charts indicated.

The positions given have been checked after listing by _____

Richard A. Reece
Carto Photo Aid

J. E. Baugh, LCDR *Chief of Party.*

STATE: NORTH CAROLINA			POSITION									
			LATITUDE*		LONGITUDE*			METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM						
ALLIGATOR RIVER LIGHT 10			35 54	52.94 1632	76 00	14.01 351	N.A. 1927	T-9156 Theod.	1951		X		831 1228
ALLIGATOR RIVER LIGHT 12			35 53	54.32 1674	76 00	37.79 948	"	"	"		X		"
ALLIGATOR RIVER LIGHT 14			35 52	59.22 1825	76 01	00.13 3	"	"	"		X		"

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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

* These columns are for office use and should be left blank in the field.

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~ALREADY CHARTED~~ — STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 20 Feb., 1952

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

The positions given have been checked after listing by Richard A. Reece, Carto Photo Aid

J. E. Waugh, LCDR — *Chief of Party.*

STATE: NORTH CAROLINA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
ALLIGATOR RIVER LIGHT 10			35 54	52.94 1632	76 00	14.01 351	N.A. 1927	T-5156 Theod.	1951		X		831 1228
ALLIGATOR RIVER LIGHT 12			35 53	54.32 1674	76 00	37.79 948	"	"	"		X		"
ALLIGATOR RIVER LIGHT 14			35 52	59.22 1825	76 01	00.13 3	"	"	"		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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 24A
Rev. Oct., 1932

LIST OF DIRECTIONS

T-9156

Station MALL 1951 State North Carolina

Chief of party Harry F. Garber Date 4 & 7 June 1951 Computed by A. L. P.

Observer A. L. P. Instrument Wild T309 Checked by E.R.B.

Copy checked by GEV

U. S. GOVERNMENT PRINTING OFFICE: 1935 11—9503

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction*	Corrected direction with zero initial	Adjusted direction*
	° ′ ″	′ ″	′	° ′ ″	′ ″
FALSE 2 1935 R.M.# 2	0 00 00.00			0 00 00.00	
Alligator River Light 12	26 02 38.3	✓			
Alligator River Light 14	47 50 24.8	✓			
Alligator River Light 16	94 40 15.8	✓			
R.M.# 1 18.0 FT. 5.5 M.	240 55 42.6	✓			

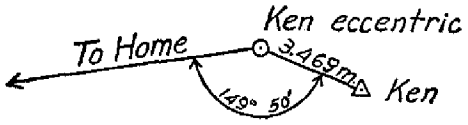
*These columns are for office use and should be left blank in the field.

Station: Ken | *State:* Maryland

Chief of party: C. V. H. | *Date:* 1917 | *Computed by:* O. P. S.

Observer: C. V. H. | *Instrument:* No. 168 | *Checked by:* W. F. R.

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction	Corrected direction with zero initial	Adjusted direction
	° ′ ″	′ ″	″	° ′ ″	′ ″
Chevy	0 00 00.00	− 7.31		0 00 00.00	
Tank west of △ Dulce	29 03 37.0	−1 09.8		29 02 34.5	
Ken (center), 3.469 meters	176 42				
Forest Glen standpipe	313 24 53.0	+3 01.2		313 28 01.5	
Home	326 31 30.21	+ 31.93		326 32 09.45	
Bureau of Standards, wireless pole	352 17 20.8	+ 5.7		352 17 33.8	
Reno	357 28 48.63	− 1.16		357 28 54.78	
Reference mark, 16.32 m	358 31 20				



This form, with the first three and fifth columns properly filled out and checked, must be furnished by field parties. *To be acceptable it must contain every direction observed at the station.*

It should be used for observations with both repeating and direction theodolites.

The directions at only one station should be placed on a page.

If a repeating theodolite is used, do not abstract the angles in tertiary triangulation. The local adjustment corrections (to close horizon only) are to be written in the Horizontal Angle Record, and the List of Directions is to be made from that record directly.

Choose as an initial for Form 24A some station involved in the local adjustment, and preferably one which has been used as an initial for a round of directions on objects not in the main scheme. Use but one initial at a station. Call the direction of the initial 0° 00′ 00.″ 00, and by applying the corrected angles to this, fill in opposite each station its direction reckoned *clockwise* around the whole circumference regardless of the direction of graduation of the instrument. The clockwise reckoning is necessary for uniformity and to make the directions comparable with azimuths.

If a station has been occupied eccentrically, reduce to the center and enter in this form, in ink, the resulting corrections to the observed directions in the column provided for them. If an eccentric reduction is necessary, but not made in the field, leave the column blank. If the station was occupied centrally, and no eccentric reduction is required, put dashes in the column to show that no corrections are necessary.

Directions in the main scheme should be entered to hundredths of seconds in first-order triangulation; otherwise to tenths only. Points observed upon but once, direct and reverse, should be carried to tenths in first-order and second-order triangulation, and to even seconds only in third-order triangulation. In general, but two uncertain figures should be given.

It is recommended that the following simple plan of observing be used with a repeating instrument: Measure each single angle in the scheme at each station and the outside angle necessary to close the horizon. *Measure no sum angles.* Follow each measurement of every angle immediately by a measurement of its explement. Six repetitions are to constitute a measurement. The local adjustment will consist simply of the distribution of the error of closure of the horizon.

History of Hydrographic Information for T-9156

Hydrography was added to the smooth 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:

Hydrographic Survey:

H-3732 1:30,000 1915
H-5913 1:20,000 1935

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

Hydrography was compiled by Everett H. Ramey on 16 ~~November~~ September 1957 and verified by O. Svendsen on 22 ~~November~~ September 1957

Everett H. Ramey

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5/4/62	831	Knoop	Corrections applied Complete Application ~~Before~~ After Verification and Review
5/7/62	1228	Knoop	Applied Complete Application ~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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.