

9832

Diag. Cht. No. 1228

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-61(119) Office No. T-9832

LOCALITY

State North Carolina

General locality Albemarle Sound

Locality Roanoke River

1945-54

CHIEF OF PARTY

H. F. Garber, Chief of Party. (Field)

J. E. Waugh, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 12, 1957

DATA RECORD

Page 1

T- 9832

Project No. (II): Ph-61(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 June 1951

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): Inapplicable

Date received in Washington Office (IV):

JUN 25 1953

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 3-13-57 - L.C.L.

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 A-2, 1942 (USE)

Lat.: 35° 52' 30.823 (950. m.)

Long.: 76° 40' 04.665 (117. m.)

Adjusted

~~UNADJUSTED~~

Plane Coordinates (IV):

State: N.C.

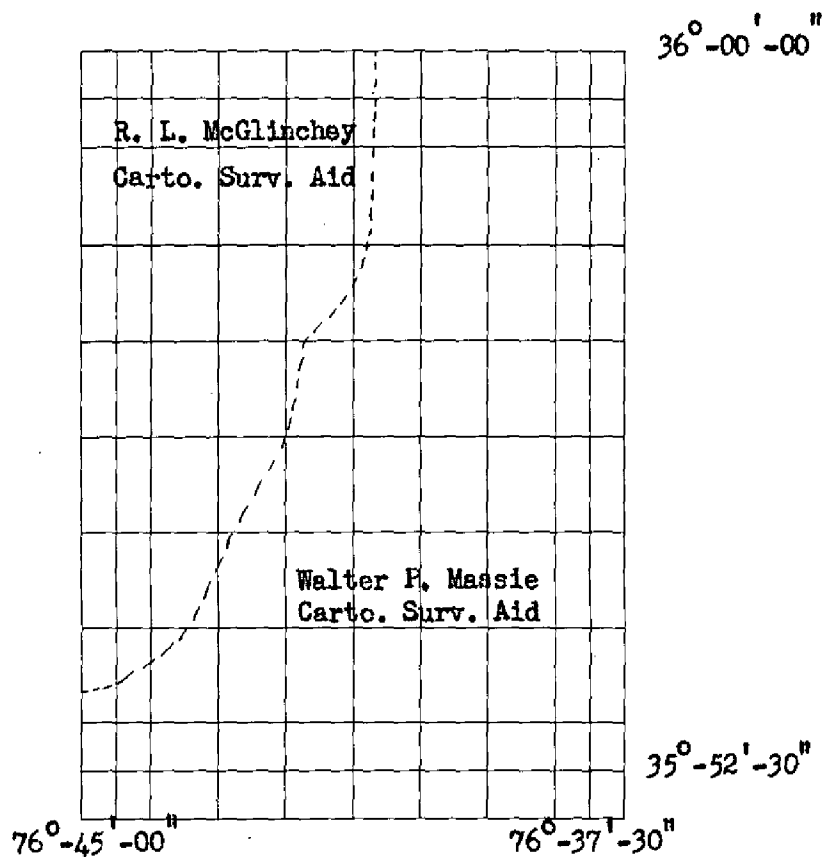
Zone:

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.



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): Richard L. McGlinchey, Carto. Surv. Aid Date: July, 1951
Walter P. Massie, Carto. Surv. Aid July, Aug., 1951

Planetable contouring by (II): Richard L. McGlinchey, Carto. Surv. Aid Date: July, 1951
Walter P. Massie, Carto. Surv. Aid July, Aug., 1951

Completion Surveys by (II): *James E. Hundley* Date: *May 1954*

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

~~August 1951 - Air Photo compilation~~

Identified Aug 1951 on photographs taken March 1951 *ENK*

Projection and Grids ruled by (IV): J. A. (W.O.) Date: 23 Jan. 1952

Projection and Grids checked by (IV): H. D. W. (W.O.) Date: 25 Jan. 1952

Control plotted by (III): R. E. Smith Date: 26 Mar. 1952

Control checked by (III): I. I. Saperstein Date: 27 Mar. 1952

Radial Plot of ~~Stereoscopic~~ ~~Control~~ by (III): M. M. Slavney Date: 2 May 1952

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

Manuscript delineated by (III): R. E. Smith Date: 30 April 1953

Photogrammetric Office Review by (III): J. A. Giles Date: 11 May 1953

Elevations on Manuscript
checked by (II) (III): J. A. Giles Date: 6 May 1953

Camera (kind or source) (III): USC&GS Nine-lens 8.25 inch focal length

Number	Date	Time	Scale	Stage of Tide
33120	17 Mar. 1951	10:41	1:20,000	No Periodic Tide *
33121	"	10:42	"	"
33122	"	10:43	"	"
33138	"	11:09	"	"
33139	"	11:10	"	"
33140	"	11:12	"	"
33141	"	11:13	"	"
33150	"	11:31	"	"
33151	"	11:32	"	"
33152	"	11:33	"	"

Tide (III)

Reference Station:

~~No periodic tide~~ *

Subordinate Station:

Subordinate Station:

* Less than 1/2 foot ^{1/12}

Ratio of Ranges	Mean Range	Spring Range

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

Date: 30 Nov 1954

Final Drafting by (IV): M. Day

Date: 8-5-55

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 41

Shoreline (More than 200 meters to opposite shore) (III): 27

Shoreline (Less than 200 meters to opposite shore) (III): 12

Control Leveling - Miles (II): 44.2

Number of Triangulation Stations searched for (II): 8

Recovered:

4

Identified:

3

Number of BMs searched for (II): 5

Recovered:

5

Identified:

5

Number of Recoverable Photo Stations established (III): 5

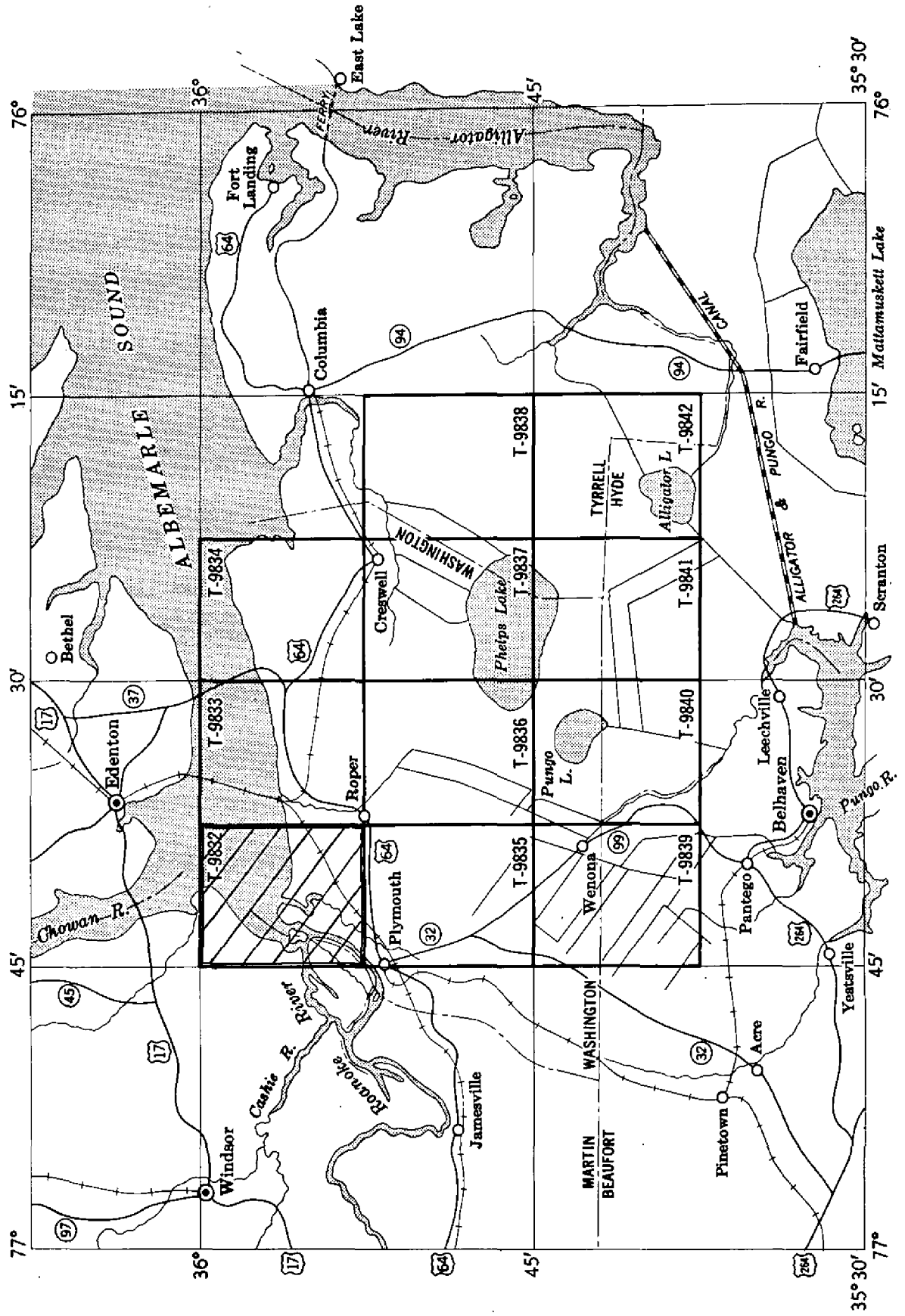
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH-61-(49)

NORTH CAROLINA, Albemarle Sound and Vicinity

Compilation scale 1:20,000



Summary to Accompany Topographic Map T-9832

Topographic map T-9832 is one of eleven similar maps of Project Ph-61(49). It covers portions of the Roanoke River and Albemarle Sound and adjacent land area.

Project Ph-61(49) is a graphic compilation project. Field work in advance of compilation included the establishment of supplemental control, complete field inspection, the delineation of contours at five-foot interval directly on the photographs by plane-table methods and the investigation of political boundaries and geographic names.

Map T-9832 was compiled at a scale of 1:20,000 using nine-lens photographs taken in 1951. The map was field edited in 1954. With the addition of hydrography the map will be forwarded to the Geological Survey for publication as a standard topographic quadrangle.

Items registered under T-9832 will include a descriptive report, a ^{2A-1000} copy of the map manuscript at a scale of 1:20,000 and a copy of the published map at a scale of 1:24,000.

FIELD INSPECTION REPORT
 Quadrangle T-9832
 Project Ph-61(49)

Harry F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with instructions, dated 15 June 1951. In addition to those phases listed on pages two and three, field work was accomplished by the following personnel:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
Warren M. Gottschlich Cartographic Survey Aid	Vertical Control	July, 1951
Walter P. Massie Cartographic Survey Aid	Shoreline Inspection Interior Inspection	July and August, 1951
Richard L. McGlinchey Cartographic Survey Aid	Horizontal Control Shoreline Inspection Vertical Control Interior Inspection Location of Fixed Aids to Navigation	June-Aug. 1951
Allen L. Powell Lieutenant, USC&GS	Horizontal Control Location of Fixed Aids to Navigation	July-Aug. 1951

2. AREAL FIELD INSPECTION

This quadrangle covers the mouths of the Roanoke and Middle Rivers and a part of the western end of Albemarle Sound. There is some commercial traffic on the Roanoke River consisting chiefly of barges carrying paper and plywood. The area is served adequately with secondary roads. There are no incorporated towns or villages within the quadrangle. *Portions of Plymouth and Roper corporate limits fall within this quadrangle. ERR*

The principal industries are agriculture and lumbering. There are numerous indications of a once thriving fishing industry, but due to pollution of the rivers, fishing is no longer profitable.

3. HORIZONTAL CONTROL

- (a), (b), (c) and (d) - Inapplicable.
- (C) Pipe Station A-2, 1942, USE, was recovered. *enter*
- (e) All known horizontal control was searched for and reported on Form 526. Stations reported "lost" are as follows:

GUM 1909
 1 F STA. 11 (USE)
 WEST POINT 1874
 WILLIAMS 2, 1874

4. VERTICAL CONTROL

The north and south sections of the quadrangle were worked independently of each other and two level lines were used for the vertical control. In the north section, elevations were based on a second order level line running through the town of Merry Hill (northwest of the project limits) established by the USC&GS in 1943.

(b) 23 Miles of fly levels were run with a Wye level to establish additional control for contouring. The greatest error of closure was 0.42 and this line was adjusted.

(c) The first and last fly level points are 32-1A and 32-43A.

(d) Inapplicable.

In the southern part of the quadrangle, elevations were based on first order line No. 25, Navassa to Southport, N. C., established by the Coast and Geodetic Survey in 1932. The following bench marks are within the limits of the quadrangle:

F 25 ✓
 G 25 ✓
 H 25 ✓

(bb) Fly levels were run to provide additional control. All closing errors over 0.2 foot were adjusted. The largest error of closure was 0.42.

(cc) The first and last fly level points are 32-1 and 32-41. The numerical designation of fly level points overlap, but those points in the northern section are followed by the letter "A" to avoid confusion.

(dd) Inapplicable.

5. CONTOURS AND DRAINAGE

Contouring was done directly on nine-lens photographs by standard planetable methods. Two distinct types of terrain are included in the quadrangle.

In the northern section where there is a definite drainage pattern, all the high land under cultivation is served with ditches leading to the main drainage system. The area drains toward the Sound.

The southern part of the quadrangle is a mixture of swamp and slightly higher ground with no definite drainage pattern. The higher ground under cultivation is served with ditches leading to the swamp. In general, the drainage is toward the Sound via the swamps, rivers, and creeks.

6. WOODLAND COVER

The coverage was classified in accordance with the Topographic Manual. The field photographs were labeled in sufficient areas to enable the compiler to establish adequate tone classification.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected and classified on the field photographs.

(a) The mean high water line is indicated on the field photographs.

(c) There are a great many submerged stumps and trees in water immediately offshore, indicating that the shoreline is eroding at a rather fast rate. This foul area has been delineated on the field photographs.

(d) In the northern section of the quadrangle, except where streams drain into the Sound, an average fifteen foot bluff extends from the northern limits south to the beginning of the swamp area around Middle River.

In the southern section of the quadrangle, the only bluff is a six to eight foot one in the vicinity of Albemarle Beach.

(e) Docks, wharves, piers and landings are indicated on the field photographs. The small pier at Albemarle Beach is used for bathing and is not for the use of boats.

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

(g) There is very little development along the shoreline of this quadrangle. The most prominent structures are the cottages and casino at Albemarle Beach.

8. OFFSHORE FEATURES

The only offshore features of any note are the aids to navigation and the old abandoned Roanoke River Lighthouse. The lighthouse is a triangulation station.

The snags and foul areas on Chart 409 were field inspected. The results of this inspection are indicated on a copy of the chart submitted with this report.

Sec 857

9. LANDMARKS AND AIDS

(a) All landmarks for nautical charts are listed on Form 567, *Copies attached.*

(b) There are no outstanding interior landmarks in this quadrangle.

(c) There are no maintained aeronautical aids in this quadrangle.

(d) The fixed aids to navigation were located by theodolite cuts from horizontal control points or from photo points. A fixed red light, maintained by the U. S. Coast Guard, on top of the pilothouse of the barge MOCCASIN was also located. The MOCCASIN sank just south of Roanoke River Light 18 and is lying parallel to the channel. *See Form 567 indicating deletion. ENK*

(e) The floating aids to navigation were not located.

10. BOUNDARIES, MONUMENTS AND LINES

A special report for the project will be submitted at a later date. *This report by James E. Hundley is filed under project data in the Div. of Photogrammetry. ENK*

11. OTHER CONTROL

The spacing of recoverable topographic stations complies with the instructions. The stations established are as follows:

DOCK 1951 - Destroyed (1954). *etc*
 HARD 1951 ✓
 MILL 1951 ✓
 PILE 1951 ✓
 SHED 1951 ✓

12. OTHER INTERIOR FEATURES

Roads and buildings were inspected and classified in accordance with the Topographic Manual, and the project instructions. There are no bridges or cables over navigable waters in this quadrangle.

13. GEOGRAPHIC NAMES *on file 854*

A special report for the project will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

~~A sketch showing the cuts to Aids to Navigation from the horizontal control points is submitted as a part of this report.~~
Not retained as part of this report. etc

5 October 1951

Submitted by:

Allen L. Powell

Allen L. Powell
 Lieutenant, USC&GS

8 October 1951

Approved by:

Harry F. Garber

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

PHOTOGRAMMETRIC PLOT REPORT

This report covers all maps of Project
Ph-61(49) and is filed as part of the
Descriptive Report for T-9834.

COMPILATION REPORT T-9832PHOTOGRAMMETRIC PLOT REPORT.

This report was submitted with T-9834.

31. DELINEATION.

The manuscript was compiled by the graphic method. Stickup was used for the portrayal of the vegetation.

32. CONTROL.

Control was satisfactory. Placement, density and identification were adequate.

33. SUPPLEMENTAL DATA.

None See §10 & §12

34. CONTOURS AND DRAINAGE.

No difficulty was encountered in the delineation of drainage. The contours on photographs 33140 and 33141 were reshaped on acetate overlays in the Washington Office and so compiled. Elevations were taken directly from the photographs. See memorandum, Reference 732-mk1, dated 12 June 1952; Subject: Reshaping Contours - Project Ph-61 - North Carolina. (Copy attached)

See §53

The only difficulty encountered while compiling the contours came from the fact that the acetate overlays had a tendency to distort; therefore, considerable adjustments were necessary.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate. Reference Item 7. No low-water-line or shoal line was shown.

36. OFFSHORE DETAILS.

No statement.

See §8

37. LANDMARKS AND AIDS.

No statement.

See §9

38. CONTROL FOR FUTURE SURVEYS.

Five (5) recoverable topographic stations are being submitted on Forms 524 with this report. They have been listed under Item 49. *One was reported ⁽¹⁹⁸⁴⁾ as destroyed. ~~SLR~~*

39. JUNCTIONS.

Satisfactory junction with T-9833 on the east.
T-9835 on the south incomplete.

Joins U.S.C. of E. Quadrangle EDENTON () on the north.

Joins U.S.C. of E. Quadrangle PLYMOUTH 1942 on the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See §66

41. BOUNDARIES.

The county lines between CHOWAN COUNTY, BERTIE COUNTY and WASHINGTON COUNTY have been shown according to an Act of the North Carolina Legislature passed in 1911; and North Carolina State Highway and Public Works Commission County Map published in 1949.

LEES MILLS TOWNSHIP, PLYMOUTH TOWNSHIP AND MERRY HILL TOWNSHIP were plotted from the maps submitted with the Special Report on Boudaries for the project.

See § 2

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. C. of E. Quadrangle PLYMOUTH, N.C., scale 1:125,000, dated 1942. Agreement was fair.

See § 62 & § 63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U.S.C. & G.S. Nautical Chart No. 1228, scale 1:80,000, dated May 1937, corrected to 2 October 1950. Agreement was good.

See § 45

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

Reference Item 8. All snags and foul areas visible on the photographs have been shown. There are some indicated on a copy of Nautical Chart No. 409 (1:30,000), which were verified in the field and could not be mapped since they could not be identified on the photographs. The aforementioned chart is being forwarded with this report.

See § 57

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

APPROVED AND FORWARDED:

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

48. GEOGRAPHIC NAME LIST.

- ALBEMARLE BEACH
ALBEMARLE SOUND ✓
BATCHELOR BAY ✓ ✓ Beaver Dam Branch ✓
BERTIE COUNTY
BLACK WALNUT POINT ✓
BLACK WALNUT SWAMP ✓
CASHOKE CREEK ✓
CASHOKE LANDING ✓
CONABY CREEK ✓
CHOWAN COUNTY ✓
DEEP BOTTOM SCHOOL ✓ *See 555*
EASTMOST RIVER ✓
EDENTON TOWNSHIP ✓ TOWNSHIP No. 1 ✓
GOODMANS ISLAND ✓
GREAT ISLAND ✓
GRENNELL CREEK ✓ Huff Island ✓
LEES MILL TOWNSHIP ✓ (Washington Co. Census map has Lees Mills Twp)
LOUSE ISLAND ✓
LOWER CASHIE RIVER ✓ (B.F.N. decision)
MACEDONIA ✓
MERRY HILL TOWNSHIP ✓ (Bertie Co.)
MIDDLE RIVER ✓
MORGAN SWAMP ✓
MOUNTAIN LAKE SCHOOL ✓ Mount Delane School ✓
NORFOLK SOUTHERN R. R. ✓ Railway ✓
NORTH CAROLINA
PLYMOUTH TOWNSHIP ✓ (Washington Co.)
RICE ISLAND ✓
ROANOKE RIVER ✓ Roper ✓ (Boundary only)
SOCONA CHURCH ✓ (on map) ✓
STATE 32
ST DELIGHT CHURCH ✓ Saints Delight Church ✓
ST LUKE CEMETERY ✓
SWAN BAY ✓ Skinner's Canal ✓
Skinner's Canal
Lees Mills Canal
Canal
Map

48. GEOGRAPHIC NAME LIST (CONTINUED)TERRAPIN POINT ✓

Township No. 1

U.S. 64Tidemeter Experiment Station
(2(B) on map)WASHINGTON COUNTY ✓WESTOVER ✓WHITE MARSH CHURCH ✓WOOD ISLAND ✓ZION CHAPEL ✓Names approved 8-5-53
based on project names
report. L. Heck.Additional Names 11-22-54
L.H.

49. NOTES FOR THE HYDROGRAPHER.

The following recoverable topographic stations will be useful to the hydrographer:

DOCK 1951 *Destroyed (1954). ^{etc}*

HARD 1951

MILL 1951

FILE 1951

SHED 1951

FIELD EDIT REPORT
Project PH-61(49)
Quadrangle T-9832

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 May, 1954.

Field edit data appears on the field edit sheet, discrepancy print, field photographs 33139, 33140 (1 of 2), 33141 (1 and 2), 33151, and in this report.

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 the field edit revisions have been applied.

53. MAP ACCURACY

See 866

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring, in general, in the southern half of the quadrangle is good. Minor corrections were made, to improve topographic expression, throughout this area, and shown on the field edit sheet.

The accuracy of the contouring in the northern half (Bertie County) of the quadrangle was, in general, poor.

The fly-level points, previously established along roads in this area (Lat. 35°-58' to northern limits of quadrangle), were found to be in error on an average of 1.6 feet. These points were re-established by running a fly-level line beginning at Bench Mark N232 and closing on Bench Mark N232, with an error of closure of -0.54 foot. The line was adjusted.

Fly-level points 32-30A through 32-39A were checked and found to be reasonably accurate. These points are south of lat. 35°-58' to Cashoke Landing.

Correct fly-level elevations, established by this field edit party, are shown in green ink on photographs 33140 (1 of 2), and 33141 (1 of 2).

The entire area north of Black Walnut Swamp was recontoured. (See enclosed letter from Chief, Division of Photogrammetry, dated 5 April 1954, 732-mkl.) These contours are shown on photograph 33141 (2 of 2) and noted as Area Number One.

The major part of Area Number Two, shown on photograph 33140 (1 of 2), required contour revision. Several plane table traverses were run in this area, and most all of the original spot elevations were easily reconciled.

Minor contour corrections, for topographic expression only, were made in Area Number Three and shown on photograph 33140 (1 of 2).

54. RECOMMENDATIONS

Recommend that Item 55 - Examination of Proof Copy be discontinued for the following reason: It is believed that the field editor does a more thorough job of checking the accuracy of compilation of any area than some uninterested individual.

55. GEOGRAPHIC NAMES

Refer to Item 48 - Compilation Report

Delete the following names:

1. Deep Bottom School
2. Macedonia School
3. Mountain Lake School

These names no longer apply as the buildings have been abandoned as far as serving school purposes, and are now used as dwellings or abandoned for all purposes.

56. DRAINAGE

Refer to Item 5 - Field Inspection Report.

All feeder ditches have been deleted from the field edit sheet.

57. OFFSHORE FEATURES

Refer to Item 8 - Field Inspection Report.

Additional data in regards to offshore features have been shown on the field edit sheet.

58. OTHER INTERIOR FEATURES

Refer to Item 12 - Field Inspection Report.

The reclassification of buildings and roads, where justifiable, has been shown on the field edit sheet.

Additional buildings have been shown on the field edit sheet.

59. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary surveys.

25 June 1954
Submitted by:

James E. Hundley
James E. Hundley
Cartographer

25 June 1954
Forwarded by:

J. E. Waugh
J. E. Waugh
CDR; USC&GS
Chief of Party

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9832

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 XX 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 XX 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 XX 24. Contours in general J.G. 25. Spot elevations J.G. 26. Other physical features J.G.

CULTURAL FEATURES

27. Roads J.G. 28. Buildings J.G. 29. Railroads J.G. 30. Other cultural features J.G.

BOUNDARIES

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

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 B. Giles William A. Rasure
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

Review Report
Topographic Map T-9832
30 November 1954

62. Comparison with Registered Topographic Surveys

T-247	1:20,000	1848
T-836	"	1861
T-922	"	1864
T-3527	1:40,000	1915

Except for slight erosion there is general agreement in shoreline between T-3527 and T-9832. Features on the other above surveys are poor in position. Map T-9832 is to supersede these prior surveys for nautical charting purposes for the area encompassed by T-9832.

63. Comparison with Maps of Other Agencies

Plymouth Quadrangle (C.of E.) 1:125,000 1943
A visual comparison reveals differences in culture and swamp limits.

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts

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

Chart shows numerous offshore obstructions which were not located or else were ^{by field party} generalized by this survey. Deletion was not recommended. There are some differences in shoreline in the Roanoke River area. Changes made to the vinylite print of the map manuscript subsequent to the field edit are shown in red or purple

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 by:

L. C. Lunde
Chief, Review Branch

W. W. Swanson
Chief, Div. of Photogrammetry

" July '57

May D. Little
Chief, Nautical Chart Branch
Division of Charts

J. D. Swannell
Chief, Division of Coastal
Surveys

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNONFLOATING AIDS ~~CHARTERED MARKERS~~ FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla., 6 May 1953

I recommend that the following objects which have ~~(11535-23332)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(11535-23332)~~ the charts indicated.

The positions given have been checked after listing by

R.E. Smith, Carto Photo Aid

J.E. Waugh

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *			LONGITUDE *				DATUM								
				°	'	"	°	'	"	D.P. METERS									
												D.M. METERS							
NORTH CAROLINA	ROANOKE RIVER LIGHT 1	Entrance Channel		35	57	15.77 486	76	39	51.27 1285	N.A. 1927			X			1228			
	ROANOKE RIVER LIGHT 3	Channel		35	56	18.31 1189	76	41	1.92 48	"			X			"			
	ROANOKE RIVER LIGHT 8	Channel		35	56	43.31 1335	76	41	35.95 901	"			X			"			
	ROANOKE RIVER LIGHT 11	Channel		35	56	32.77 1019	76	41	42.49 1065	"			X			"			
	ROANOKE RIVER DAYBEACON 15	Channel		35	55	23.07 711	76	42	11.01 276	Ind. Plot T-9832			X			"			
	ROANOKE RIVER DAYBEACON 18	Channel		35	55	27.16 837	76	42	34.90 875	"			X			"			
	* RED LIGHT ON SUNKEN BARGE "ECCOASIN"	Channel		35	55	24.72 762	76	42	43.44 1089	"			X			"			
	ROANOKE RIVER LIGHT 20	Channel		35	54	54.38 1676	76	43	24.29 609	"			X			"			
	ROANOKE RIVER DAYBEACON 22	Channel		35	53	22.97 708	76	44	1.20 30	"			X			"			

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

TO BE CHARTED

STRIKE OUT ONE

CONTEMPORARY LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Florida 6 May, 1953

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

The positions given have been checked after listing by

R. E. Smith, Carto Photo Aid

J. E. Waugh
Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *		DATUM							
				°	'	°	'								
				D. M. METERS	"	D. M. METERS	"	D. P. METERS	"						
				01.347		76	41	40.294		N.A.					
				35 57				1009.6		1927					
							</								

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~ON CHARTS~~
~~IN THE~~ Tampa Photogrammetric Office
Tampa, Florida

17 September, 1954

STRIKE OUT ONE

TO BE DELETED

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

The positions given have been checked after listing by

Barford E. Smith, Jr.

Ira L. Haddon, Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE *		LONGITUDE *		DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART	
				D. M. METERS	"	D. M. METERS	"							D. P. METERS
NORTH CAROLINA	LIGHT	Red Light on wooden barge (WCCASIN, 1951)		35 55	24.72	76 42	76 42	1009	N.A. 1927	Red Plot 7-9832	1951	X	1228	

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 individual field survey sheets. Information under each column heading should be given.

History of Hydrographic Information
for Map T-9832

Hydrography was added to the map manuscript for T-9832 in accordance with the General Specifications of Photogrammetry Division dated 18 May 1949.

Depths are in feet at mean low water datum and originate from the following sources: Hydrographic Survey H-3766, 1:20000, 1915, and Nautical Chart 1228, 1:80000, 1937, corrected to 55-5/30.

Hydrography was compiled by Everett H. Ramey on 30 January 1956 and verified by O. Svendsen on 1 February 1956.


Everett H. Ramey

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON 25

AND REFER TO NO. 732-mk1

5 April 1954

To: Mr. James E. Hundley
U. S. Coast & Geodetic Survey
General Delivery
Plymouth, North Carolina

Subject: Contour revision on T-9832, project Ph-61
North Carolina

The original contours on field photographs 33140 and 33141, and your report dated 22 March 1954, summarizing the results on the supplemental leveling, have been examined. With a view to the utmost economy commensurate with the requirements for standard accuracy, you are instructed to revise the contours in areas 1 and 2, as outlined by you on field photographs 33140 and 33141. The contours in area 3, noted by you on photograph 33140 as reasonably accurate, need not be revised.

It should not be necessary to recontour completely the faulty areas. It is believed that you will be able to make a satisfactory revision by shifting the contours to the correct vertical datum. You should accomplish this in the field by a visual inspection and the use of a hand level and planetable wherever required. Upon completion of the contour revision work you should run vertical accuracy tests in representative areas to prove the quality of your revisions.

The revised contours may be shown in a contrasting color if the original field photographs are used; original spot elevations should be reconciled. In the event this is not feasible, the work may be done on a duplicate set of prints which will be furnished. Clarify all changes by appropriate notes on the field photographs.

The wye leveling records and the field photographs, including new prints providing stereoscopic coverage, will be forwarded to you within a few days. Your present field complement will not be increased.



O. S. Reading, Chief
Division of Photogrammetry

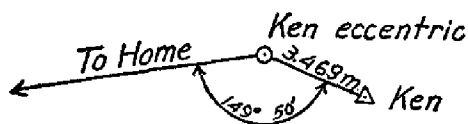
cc: Baltimore

Station: Ken
Chief of party: C. V. H.
Observer: C. V. H.

State: Maryland
Date: 1917
Instrument: No. 168

Computed by: O. P. S.
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 Δ 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.

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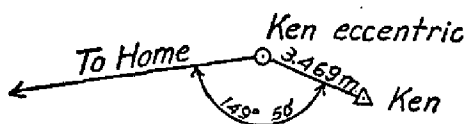
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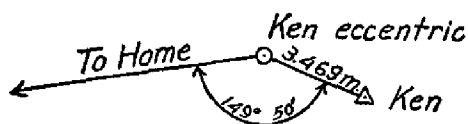
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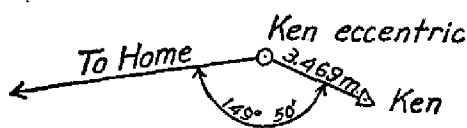
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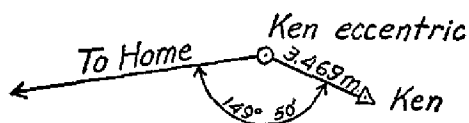
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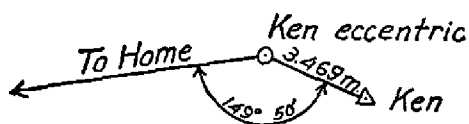
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NAUTICAL CHARTS BRANCH

SURVEY NO. 9832

Record of Application to Charts

[illegible]

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.