

9154

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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-9154

LOCALITY

State North Carolina

General locality Albemarle Sound

Locality Columbia

194 53

CHIEF OF PARTY

Harry F. Carber, Chief of Field Party

J. E. Waugh, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE October 6, 1955

9154

DATA RECORD

T -9154

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

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

Chief of Party: **Harry F. Garber**

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **J. E. Waugh**

Instructions dated (II) (III):
15 September 1949
19 January 1950 (Supplement One)
15 May 1951 (" 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):

OCT 6 1952

Date reported to Nautical Chart Branch (IV): **OCT - 9 1952**

Applied to Chart No.

Date:

Date registered (IV): **8-15-55**

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): **SIG, 1917**

Lat.: **35° 55' 04".631 (142.7m.)** Long.: **76° 17' 02".393 (60.0m.)**

Adjusted
~~unadjusted~~

Plane Coordinates (IV): **Lambert**

State: **N.C.**

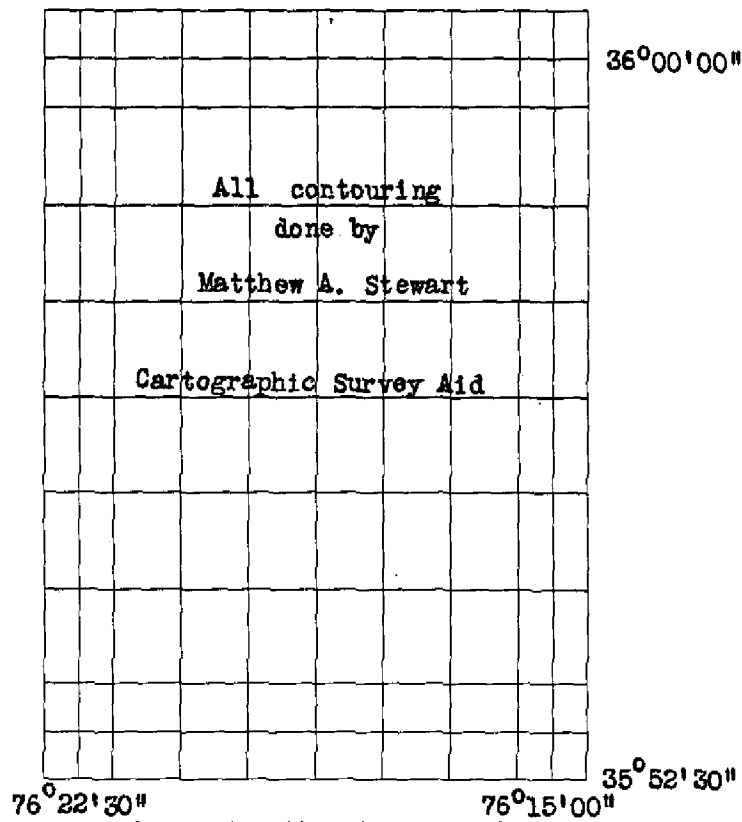
Zone:

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 E. Conway, Jr., Cart. Sur. Aid Henry R. Spies, Cart. Sur. Aid	Date: Jan., 1951 March, 1951
Planetable contouring by (II):	Matthew A. Stewart, Cart. Sur. Aid	Date: Jan., 1951
Completion Surveys by (II):	James E. Hundley	Date: Apr 1953
Mean High Water Location (III) (State date and method of location):	Air Photo Compilation <i>identified on 1949 photographs</i>	
Projection and Grids ruled by (IV):	L. B. C. (W.O.)	Date: 20 June 1951
Projection and Grids checked by (IV):	H. D. W. (W.O.)	Date: 25 June 1951
Control plotted by (III):	R. J. Pate	Date: 2 August 1951
Control checked by (III):	I. I. Saperstein	Date: 3 August 1951
Radial Plot or Stereoscopic Control extension by (III):	M. M. Slavney	Date: 29 November 1951
Stereoscopic Instrument compilation (III):	Planimetry Contours	Date: Date:
	Inapplicable	
Manuscript delineated by (III):	R. Dossett	Date: 2 April 1952
Photogrammetric Office Review by (III):	J. A. Giles	Date: 23 September 1952
Elevations on Manuscript checked by (II) (III):	J. A. Giles	Date: 19 September 1952

Camera (kind or source) (III): Fairchild Cartographic 6" Metrogon lens, Camera "0"
USC&GS Nine-lens, 8 1/4" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
49-0-1855-1857(incl.)	6 Dec.1949	11:55	1:20,000	
33200	17 Mar.1951	12:49	"	Tide negligible *
33201	"	12:50	"	
33196	"	12:39	"	
33197	"	12:41	"	
33198	"	12:42	"	
33213	"	12:55	"	
33214	"	12:56	"	

Tide (III)

Tide is negligible *

Reference Station:

Subordinate Station:

Subordinate Station:

* Less Than 1/2 foot. *CHN*

Ratio of Ranges	Mean Range	Spring Range

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

Date: *5 Oct 1954*

Final Drafting by (IV): *Lach*

Date: *12 May 1955*

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *34*

Shoreline (More than 200 meters to opposite shore) (III): *28*

Shoreline (Less than 200 meters to opposite shore) (III): *9.4*

Control Leveling - Miles (II): *39.6 Fly levels*

* Number of Triangulation Stations searched for (II):	<i>26</i>	Recovered:	<i>11</i>	Identified:	<i>6</i>
Number of BMs searched for (II):	<i>12</i>	Recovered:	<i>11</i>	Identified:	<i>9</i>
Number of Recoverable Photo Stations established (III):	<i>10</i>	<i>see § 11 F.I. Rpt.</i>			
Number of Temporary Photo Hydro Stations established (III):	<i>0</i>				

Remarks:

* Includes two stations outside of project limits to control radial plot.

Summary to Accompany Topographic Map T-9154

Topographic map T-9154 is one of eighteen similar maps in Project Ph-45(49). It covers portions of the Scuppernong River and Albermarle Sound in North Carolina and adjacent land area.

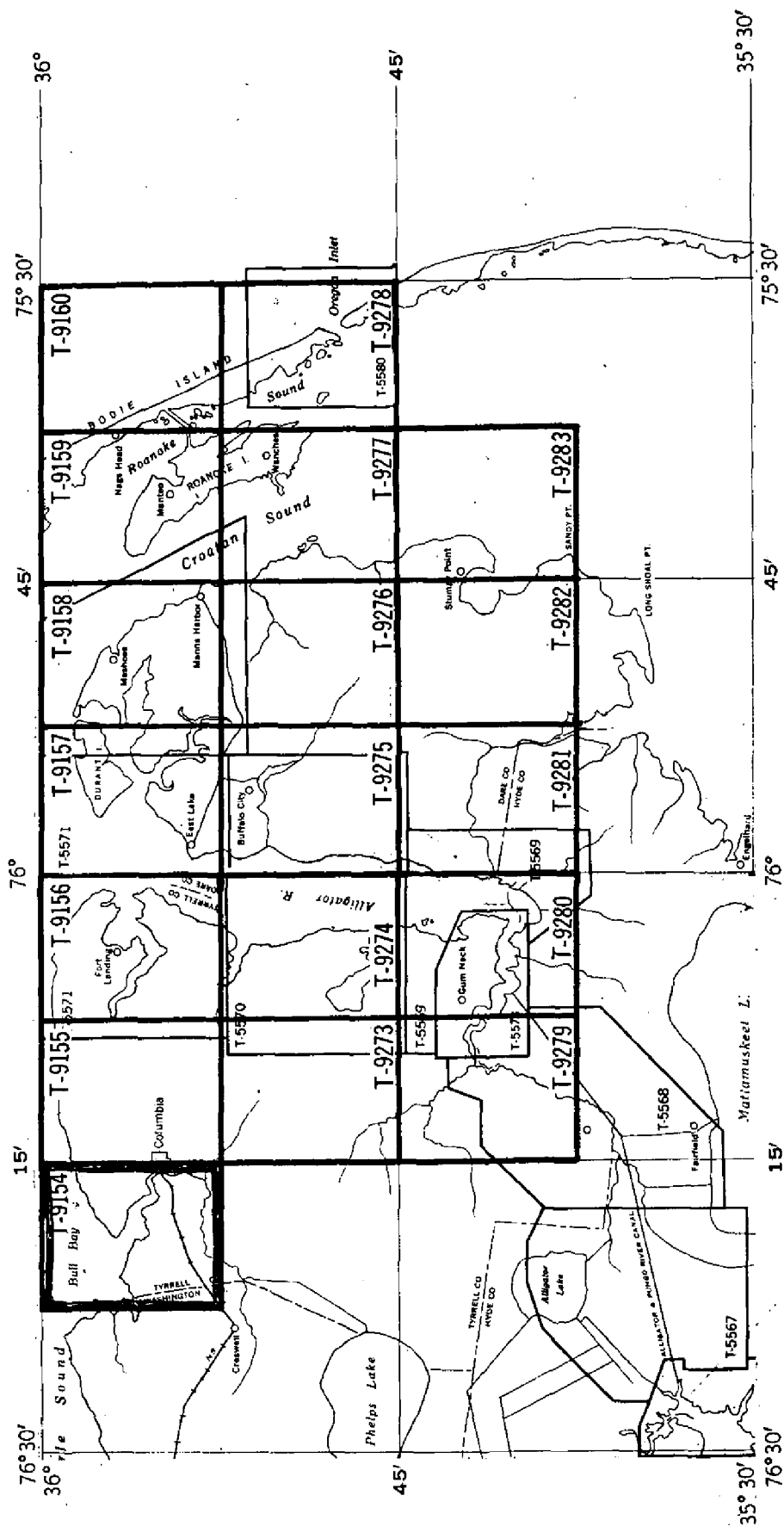
Project Ph-45(49) is a graphic compilation project. Field work in advance of compilation included the recovery and identification of horizontal and vertical control, the establishment of some additional control, complete shoreline and interior inspection, the delineation of 5-foot contours directly on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

Map T-9154 was compiled at a scale of 1:20,000 using single-lens photographs taken in 1949 and nine-lens photographs taken in 1951. The map was field edited. After the addition of hydrography the map will be published by the Geological Survey as a standard 7½' topographic quadrangle.

Items registered under T-9154 will be a descriptive report, copies of the map manuscript at a scale of 1:20,000 and the published map at a scale of 1:24,000.

PH-45 (49)

NORTH CAROLINA, Vicinity of Albemarle Sound



FIELD INSPECTION REPORT
Quadrangle T-9154
Project Ph-45(49)

The field work for this quadrangle was done during the fall and winter of 1950-51 in accordance with Instructions, dated 15 September 1949 and Supplement One, dated 19 January 1950, under the direction of George E. Varnadoe, Supervisor, and Harry F. Garber, Chief of Party.

In addition to the contouring as indicated on Page 2, field work was done by the following personnel:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
Richard E. Conway, Jr. Cart. Sur. Aid	Recovery of Stations Interior Inspection	Dec.-Jan., 1950-51
Richard E. McGlinchey Cart. Sur. Aid	Traverse	Feb. 19 51
Henry R. Spies Cart. Sur. Aid	Location of Aids to Navigation, Shoreline Inspection, Interior Inspection	March, 1951

2. AREAL FIELD INSPECTION

The salient features within this quadrangle are the incorporated town of Columbia, Albemarle Sound, and the Scuppernong River. Columbia is the county seat of Tyrrell County, and the only settlement within the limits of the sheet. A large sawmill is operated just west of the town. There is a limited amount of navigation on the Scuppernong River consisting principally of lumber barges and fishing craft.

The principal industries are agriculture, lumbering, and a limited amount of commercial fishing.

The general character of the area is a mixture of swampland, and slightly higher ground averaging about six feet in elevation. The highest natural elevation is sixteen feet. This higher ground is generally cleared for agriculture, giving a spotty effect of open areas.

The quality of the field photographs was good.

3. HORIZONTAL CONTROL

(a) As all of the USE traverse stations along the road from Columbia to Fairfield* had been lost through road improvement, a third order traverse was run from triangulation station Sawyer, 1938, to USE station G-1, 1942, to establish additional control. A spur line was run to station SIG-1917 for a check. This spur line is the only portion of the traverse within the triangle. No control points were established along this line.

** USE control along US 64 recovered and identified. ENR*

(b) No datum adjustments were made.

(c) A USE station, SCR-R-6, was found on the Scuppernong River, and its position requested from the U.S. Engineers. It was found that this was a station of low order triangulation, where a rough base had been measured and the angles observed with a sextant. There was no tie to the 1927 N.A. Datum. This mark was treated as a topographic station, to be located by the photogrammetric plot.

(d) All of the triangulation stations, with the exception of BUNTON, 1917,* and SIG, 1917, along Albemarle Sound and the Scuppernong River, have been lost through erosion. Mr. Ralph Berry, Chief of Planning Section, examined the amount of available horizontal control within this quadrangle in January, 1951, and verbally stated that it was sufficient to control the radial plot.

** See § 56*

In order to provide control for locating Aids to Navigation, topographic station LADY, 1951,* was located by theodolite with a closed single triangle, using the line BUNTON - LAUREL POINT LIGHT as a base.

** Third-order or better: p 316, G.P.'s ENR*

(e) All "lost" stations have been reported on Form 526.

(f) USE stations D-1, 1942, and C-2, 1942, just west of the project limits, have been identified to control the radial plot.

4. VERTICAL CONTROL

(a) Third order bench marks along highway No. 64 west of Columbia were used for vertical control. These marks were established by the U. S. C. & G. S. in 1948. Elevations of the USE traverse monuments were obtained at the same time. The adjusted elevations of the bench marks were used. A list of these marks is as follows:

N-245	T-245
P-245	Pipe Station E-2
Q-245	Pipe Station F-1
R-245	Pipe Station F-2
S-245	Tidal BM 1 Columbia ENR

Tidal bench marks nos. 1 and 2 were recovered at Columbia; no. 3 could not be found.

(b) Fly levels were run to provide additional control, beginning and closing on third order bench marks. The largest closing error was 0.35 foot between 54-18 and 54-30. No adjustment was made.

(c) The first and last fly level points are 54-1 and 54-49.

5. CONTOURS AND DRAINAGE

Planetable contouring was done directly on field photographs at five-foot intervals. Spot elevations were carried to the edge of swamps. Except for short spur lines, the planetable traverses were closed loops.

The area is drained by Albemarle Sound and the Scuppernon River and its tributaries. The drains were partially delineated on the field photographs.

6. WOODLAND COVER

The line of demarcation between woodland and swamp called for a nicety of judgment, as much of the woodland is low and wet, and yet not true swamp. This dividing line was governed according to the class of vegetation. The true swamp timber is cypress, juniper, and gum, while the upland timber is predominantly pine. However, there are large areas of a marginal nature consisting of a mixture of pine and gum. Several of these areas were inspected for the degree of swampiness, and were generally classified as swamp. The swamp limits delineated on the photographs were determined by actual field inspection. It is believed that sufficient "photographic tones" have been established to enable the compiler to delineate the remainder.

7. SHORELINE AND ALONG-SHORE FEATURES

(a) The shoreline is predominantly apparent, being the edge of cypress swamps. In some areas, sand has been washed up from the sound and river, forming a narrow sand beach in the form of a ridge between the water and swamp. This has^{been} classified as fast shoreline.

(b) No attempt was made to determine the low water line. The fluctuations of the water level is caused more by wind than by tide.

(c) The shoreline is eroding at a considerable rate as evidenced by the loss of monuments, and the presence of submerged stumps immediately offshore. Local inhabitants state that the small bluffs along the sound are continually sloughing off. A foul line showing the limits of submerged stumps and trees in water has been delineated along much of the shoreline.

(d) There are a few bluffs averaging about seven feet in height along Albemarle Sound.

(e) The wharves, piers, and landings are clearly discernible on the photographs.

8. OFFSHORE FEATURES

Aids to Navigation are the only offshore features of any note.

9. LANDMARKS AND AIDS

Fixed Aids to Navigation were located by theodolite cuts and reported on Form 567. The transmission tower at Columbia is recommended for a landmark and is reported on Form 567.

See 558

10. BOUNDARIES, MONUMENTS, LINES

See report submitted by Richard L. McGlinchey in June, 1950.

Filed in Div. of Photogrammetry under project data. ENR with Completion Report

11. OTHER CONTROL

The following marked topographic stations were established:

SCR-R-6- USED
FACE ✓
IDLE ✓
JAVA ✓
KATE ✓

~~LADY~~ (Triangulation station) ^{ENR}
MAIN ✓
MALL ✓
OMIT ✓
~~TRANSMISSION-TOWER~~ ✓

12. OTHER INTERIOR FEATURES

The branch line of the Norfolk Southern Railroad leading into Columbia was dismantled in the fall of 1950 and should not be mapped. The railroad bridge across Scuppernong River was also removed.

About two years ago the western terminal of the Alligator River Ferry was changed from Fort Landing to Sandy Point, and a new road constructed from Columbia to Sandy Point. U. S. Highway Route 64 was changed from the Fort Landing Road to the Sandy Point Road. The old route 64 is known locally as the Fort Landing Road.

The numerous ditches in the cultivated areas are small in size, and used for surface drainage only. They have no value in depicting relief and were ignored in contouring. The contours are turned into the main ditches or canals.

Bridges - The vertical and horizontal clearances of the highway bridges at Columbia and Cross Landing were measured and found to agree within a foot of those published in the U. S. Engineers' "List of Bridges Over Navigable Waters". The measurements are recorded directly on the field photographs.

Cables - There is an overhead cable crossing the Scuppernong River at Columbia, N. C. with a clearance of 76 feet above mean high water.

13. GEOGRAPHIC NAMES *on file 854*

This will be a project report to be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

The USED triangulation sketch of the Scuppernong River is submitted for evaluation.

19 April 1951

Submitted by:

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

Photogrammetric Plot Report

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

MAP T-9154..... PROJECT NO. Ph-45(49)..... SCALE OF MAP 1:20,000..... SCALE FACTOR.....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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)
BUNTON, 1917-	GPS Pg 316	N.A. 1927	35 56 32.649 76 20 58.004			1,006.3 (843.0) 1,453.8 (50.0)	CHZ Destroyed 1953.
SIG, 1917	GPS Pg 317	"	35 55 04.631 76 17 02.393			142.7 (1,706.5) 60.0 (1,444.3)	
PIPE STATION E-2, Bull Bay Quad	"	"	35 54 02.159 76 20 10.131			66.5 (1,782.7) 254.1 (1,250.6)	
PIPE STATION F-1 1942 (USE)	"	"	35 54 37.063 76 17 31.521			1,142.3 (706.9) 790.4 (714.1)	
PIPE STATION F-2 1942 (USE)	"	"	35 54 50.341 76 17 05.970			1,551.6 (297.7) 149.7 (1,354.7)	
PIPE STATION G-2 1942 (USE)	"	"	35 55 59.780 76 15 00.684			1,842.5 (6.8) 17.1 (1,486.9)	
LADY, 1951	GPS Pg 316 Comp	"	35 56 56.447 76 18 48.357	Topo Sta. only		1,739.8 (109.4) 1,221.8 (281.0)	
LAUREL POINT LIGHTHOUSE, 1931	Sp. Pub. 218 Pg 69	"	829,629 2,771,185	9,629 (371) 1,185 (8,815)			
CONTROL PT. 9 (SG. TRAV.)	Comp	"	798,621.96 2,813,767.54	8,621.96 (1,378.04) 3,767.54 (6,232.46)			
Bunton 2, 1953	GPS Pg 316	"	35° 56' 32.048 76 20 58.220	987.8 1459.2			

1 FT. = 3048006 METER

COMPUTED BY: I. I. Saperstein

DATE 20 June 1951

CHECKED BY: R. J. Pate and
M. M. Slavney

DATE 2 August 1951

M-2388-12

COMPILATION REPORT T-9154PHOTOGRAMMETRIC PLOT REPORT

This report submitted with T-9158.

31. DELINEATION.

Compiled graphically.

The area was originally photographed with the Single-lens Fairchild Aerial Camera "O". These photographs were used for the field inspection. Subsequently the area was photographed with the nine-lens camera and these photographs were used entirely for the delineation because of good scale.

While the field inspection made on the older single-lens photographs was adequate some details visible on the single-lens photographs are not discernible on the newer photographs. Such discrepancies have been referred to the field editor,

32. CONTROL.

A sufficient number of well placed pass points were established to insure adequate control for cutting in detail points.

33. SUPPLEMENTAL DATA.

Reference Item 14.

34. CONTOURS AND DRAINAGE.

A comprehensive pattern of drainage has been delineated. Only those apparently a part of the main drainage system, having a definite outlet have been shown. This pattern embodies more ditches than were indicated by the field inspector and results in minor contour changes relative to "turn ins" where contours cross ditches.

See § 57

Except for the foregoing, no difficulty was encountered in compiling the contours.

35. SHORELINE AND ALONGSHORE DETAILS.

Reference Item 31.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS

No unusual methods were used.

38. CONTROL FOR FUTURE SURVEYS.

Ten (10) recoverable topographic stations^{*} of use to the hydrographer are being submitted on Form 524. These stations are listed under Item 49.

** Position by Geodesy Div. for Lady which leaves 9 stations. S.M.K.*

39. JUNCTIONS.

A satisfactory junction has been made with the following:

T-9834 on the west (Project 61(49))
T-9838 on the south (Project 61(49))
T-9155 on the east.

There is no contemporary survey on the north.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See 566

41. BOUNDARIES.

Township lines have been shown graphically from maps furnished with the boundary report. County lines were delineated from the said maps in conjunction with legal descriptions found in a volume entitled "Formation of North Carolina Counties 1663-1943". *See §59*

46. COMPARISON WITH EXISTING MAPS.

None available.

See §62 & §63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Chart 1228, scale 1:80,000, published May 1937, corrected to 31 August 1951. No outstanding differences were noted. *See §65*

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett
Rudolph Dossett, Carto. Photo. Aid

APPROVED AND FORWARDED:

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

48. GEOGRAPHIC NAME LIST

- ALBEMARLE SOUND
- ALBEMARLE CHURCH
- *BACK LANDING (see note on name sheet as to past application of this name)
- BAY
- BODWELL ROAD
- BUNTON CREEK
- BULL BAY
- COLONIAL BEACH
- COLUMBIA
- COLUMBIA TOWNSHIP
- CROSS LANDING
- CROSS LODGE BRIDGE
Landing
- DUNBARS LANDING
- MERRIAM CHAPEL (apparently not in Project Names Report)
- MILL POINT (in Columbia - symbol only) ETR
- NEW JERUSALEM CHURCH
- NORMAN SMITH LEGION BEACH
- NORTH CAROLINA
- RIDERS CREEK
- RIVER NECK
- RIVER NECK LANDING
- SECOND CREEK
- SIMMONS LANDING
- SCUPPERNONG RIVER
- SCUPPERNONG TOWNSHIP (in both counties)
- SKINNERSVILLE TOWNSHIP
- STATE 94 South Fork Twp.
- TRAVIS
- TRAVIS ELEMENTARY SCHOOL (only School symbol on map)
- TYRRELL COUNTY
- TYRRELL COUNTY TRAINING SCHOOL
- U. S. 64
- N.C. 94 (small section here)

48. GEOGRAPHIC NAME LIST (CONTINUED)• WASHINGTON COUNTY• WESLEY MEMORIAL CHURCH(in Columbia - symbol only) ^{ETH}• WOODLEY

ZION GROVE CHURCH (apparently not in Project Names Report)

(in Columbia - symbol only) ^{ETH}

*Correct placement to be determined by field editor. ✓

Names underlined in
red are approved.

10-27-52

L. Heck.

Based on Project Names
Report

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9154

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 J.G. 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 A. 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

49. NOTES FOR THE HYDROGRAPHER.

Recoverable topographic stations of use to the hydrographer are as follows:

FACE 1951

~~LADY 1951~~

See §3

OMIT 1951

MALL 1951

KATE 1951

MAIN 1951

SCP-R-6 1951 (USE)

IDLE 1951

JAVA 1951

~~TRANS TOWER, 1951 (landmark)~~ *etc*

FIELD EDIT REPORT
Project Ph-45(49)
Quadrangle T-9154

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 photograph 49-0-1817, 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.

53. MAP ACCURACY

See 566

The horizontal accuracy of the map detail is relatively good.

The accuracy of the contouring, in general, is good.

A few minor corrections were made in the contouring as shown on the field edit sheet.

54. RECOMMENDATIONS

None.

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. HORIZONTAL CONTROL

Refer to item 3 - Field Inspection Report.

Due to the imminent destruction, by erosion, of "BUNTON, 1917", a new station "BUNTON 2, 1953", was established. The geographic position of this station is as follows: Latitude 35-56-32.04, Longitude 76-20-58.22 (from field computation).

57. DRAINAGE

Refer to item 34 - Compilation Report.

Numerous "feeder" ditches have been deleted from the field edit sheet.

Additional main drainage ditches have been shown on the field edit sheet.

Note to Compiler: Refer to item 12 - Field Inspection Report.

58. LANDMARKS AND AIDS

Refer to item 9 - Field Inspection Report.

The transmission tower at Columbia, North Carolina is not suitable as a landmark. Form 567 is submitted.

59. BOUNDARIES

Refer to item 10 - Field Inspection Report.

Refer to item 41 - Field Compilation Report.

1. TOWN LIMITS OF COLUMBIA, N. C. - The corrected boundary of this incorporated town is shown on field photograph 49-0-1820, submitted with field edit data for T-9155. The actual limits, of that part of the town that falls within this area, have been shown on the field edit sheet. The limits shown on field photograph 49-0-1820 were verified, in the field, by Mr. Paul Liverman, Mayor of Columbia, N. C. The legal description should be disregarded,* in view of the fact that it does not wholly agree with the actual limits. The mayor, Mr. Paul Liverman, concurs with the statement in regards to the legal description.

** The limits as mapped by the field editor do not actually contradict the legal description. SWK*

2. TYRRELL COUNTY-WASHINGTON COUNTY LINE - A thorough field investigation was made in regards to this boundary. The positions of five county boundary signs, erected by the North Carolina State Highway and Public Works Commission, have been accurately pricked on field photograph 49-0-1817. According to local information these signs are within thirty feet (maximum distance) of the actual boundary line. Local inhabitants, on both sides of these county boundary signs, were questioned in regards to the location of their property and in conclusion, the line shown, in violet ink, on field photograph 49-0-1817, is more nearly correct than that described in the boundary report. See 567

That portion of the county boundary north of the mouth of Bunton Creek could not be verified. In all probability the description in the original boundary report, contained in the publication "Formation of North Carolina Counties 1663-1943", is correct for this portion of the line.

60. OTHER INTERIOR FEATURES

Refer to item 12 - Field Inspection Report.

All features labeled "Dismantled R.R." have been deleted.

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

The reclassification and addition of numerous buildings are shown on the field edit sheet.

JUNCTIONS

A satisfactory junction has been made with T-9155 on the east. Satisfactory junctions will be made with T-9838, Ph-61, on the south, and T-9834, Ph-61, on the west, at a later date. There is no contemporary survey on the north.

16 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

Review Report
Topographic Map T-9154
5 October 1954

62. Comparison with Registered Topographic Surveys:

T-246	1:20,000	1848
T-3669	1:10,000	1917
T-3532	1:40,000	1915-17

Some changes in culture have occurred since these surveys. There has also been some shoreline erosion. These prior surveys are to be superseded for nautical charting purposes for the area encompassed by T-9154.

63. Comparison with Maps of Other Agencies:

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

A visual comparison reveals no major discrepancies. There are, however, some changes in culture.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

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

This chart shows two piers in Albermarle Sound at Longitude 75° 16' which were not identified by the field parties and cannot be detected on the photographs. Landmark "TOWER" at Columbia was recommended for deletion by the field edit party and should be deleted from this chart. Changes made on the 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.

67. Boundaries:

The Tyrrell Co.- Washington Co. line as positioned by the field editor is in contradiction with the legal description for these counties (p. 219 par. 3 of Volume "Formation of North Carolina Counties, 1663-1943"). The line has been retained on the map and labeled "approximate" because of this contradiction. It is, however, the line that is used by residents of this area and any error is due to the marking of the line on the ground.

Reviewed by:

Everett H. Ramey
Everett H. Ramey

Approved by:

L. C. Lande
Chief, Review Section
Div. of Photogrammetry

J. R. Edmonson
Chief, Nautical Chart Branch
Div. of Charts *GRD*

W. W. Swanson
Chief, Div. of Photogrammetry
28 Sept. 1955

Earl O. Heston *B*
Chief, Div. of Coastal
Surveys

History of Hydrographic Information for T-9154

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:

Hydrographic surveys:

H-3730	1:20,000	1915-17
H-3732	1:30,000	1915
H-3963	1:10,000	1917

and Nautical Chart 1228, 1:80,000, 1937 corrected to 53-5/11. Channels were taken from this chart.

Hydrography was compiled by Everett H. Ramey on 28 October 1954 and verified by O. Svendsen on 18 November 1954.

Everett H. Ramey

Everett H. Ramey

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 10 September 1953

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

The positions given have been checked after listing by

Rudolph Dossett

Chief of Party.

J. E. Wanch

[illegible]

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.

SURVEY NO. 9154

