9834

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(49) *Office No.* T-9834

LOCALITY

State North Carolina

General locality Albemarle Sound

Locality Leonards Point

1951-54

CHIEF OF PARTY

H. F. Garber, Chief of Field Party
J. F. Waugh, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 27, 1957

8-1870-1 (1)

9834

DATA RECORD

T - 9834

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): FEB 12 1953 Date reported to Nautical Chart Branch (IV): FEB 18 1953

Applied to Chart No. Date: Date registered (IV): 3-14-57 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 C-1, 1942 (USE)

Lat.: 35° 54' 02".409 (74.2m.) Long.: 76° 26' 58".942 (1478.1m.) Adjusted ~~Unadjusted~~

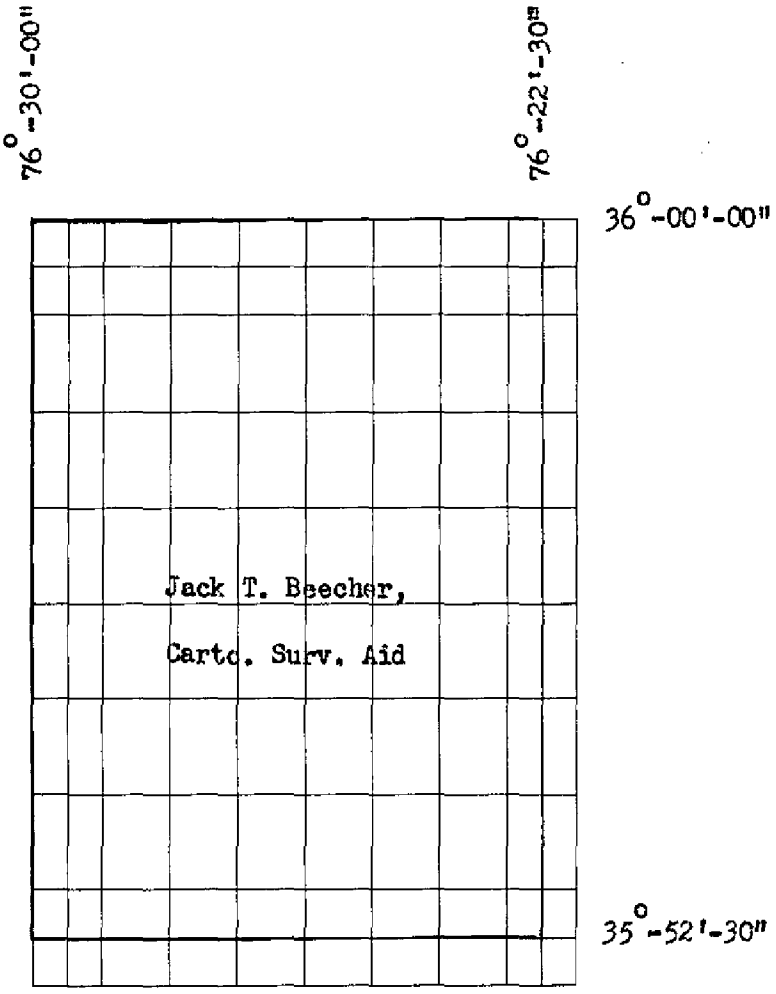
Plane Coordinates (IV): State: Zone:

Y= X=

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

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

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): Jack T. Beecher, Cartographic Survey Aid — Date: July, Aug., 1951

Planetable contouring by (II): Jack T. Beecher, Cartographic Survey Aid — Date: July, Aug., 1951

Completion Surveys by (II): James E. Hundley — Date: March 1954

Mean High Water Location (III) (State date and method of location):
17 March 1951 ENR Air Photographs

Projection and Grids ruled by (IV): J. A. (W.O.) — Date: 24 January 1952

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

Control plotted by (III): R. E. Smith — Date: 25 March 1952

Control checked by (III): I. I. Saperstein — Date: 25 March 1952

Radial Plot ~~or Stereoscopic~~ by (III): M. M. Slavney — Date: 8 April 1952

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

Manuscript delineated by (III): C. J. Downing - R. A. Reece — Date: 28 Nov. 1952

Photogrammetric Office Review by (III): J. A. Giles — Date: 1 Dec. 1952

Elevations on Manuscript checked by (II) (III): J. A. Giles — Date: 26 Nov. 1952

M-2618-12(4)

Camera (kind or source) (III): U.S.C.& G.S. Nine-lens 8.25 inch focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
33180	17 March 1951	12:14	1:20,000	No periodic tide *
33181	"	12:16	"	"
33182	"	12:17	"	"
33197	"	12:41	"	"
33198	"	12:42	"	"
33199	"	12:44	"	"

Tide (III)

Ratio of Ranges	Mean Range	Spring Range

Reference Station: ~~No periodic tide~~

Subordinate Station: * Less than ½ foot. Editr

Subordinate Station:

Washington Office Review by (IV): Everett H. Ramey Date: 29 Nov 1954

Final Drafting by (IV): J Johnson Date: 10-27-55

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 46 mi.

Shoreline (More than 200 meters to opposite shore) (III): 9

Shoreline (Less than 200 meters to opposite shore) (III): 1.4 mi.

Control Leveling - Miles (II): 29.6 - fly levels

Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 1

Number of BMs searched for (II): 6 Recovered: 6 Identified: 6

Number of Recoverable Photo Stations established (III): 5

Number of Temporary Photo Hydro Stations established (III): none

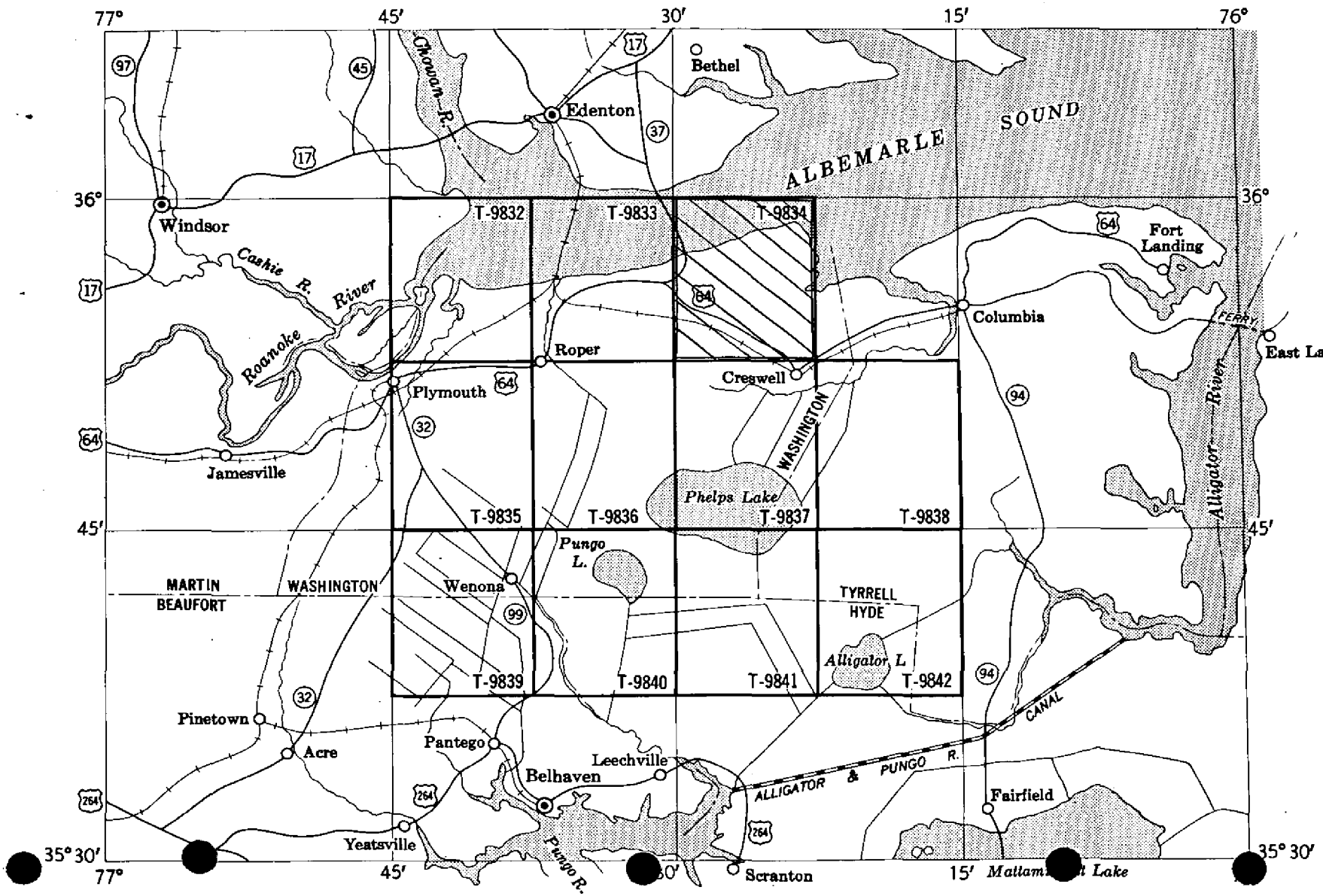
Remarks:

M-2618-12(4)

TOPOGRAPHIC MAPPING PROJECT PH-61-(49)

NORTH CAROLINA, Albemarle Sound and Vicinity

Compilation scale 1:20,000



Summary to Accompany Topographic Map T-9834

Topographic map T-9834 is one of eleven similar maps of Project Ph-61(49). It covers shoreline along the southern shore of Albemarle Sound in North Carolina between Leonards Point and Laurel Point and some land area to the southward.

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

Map T-9834 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 map.

Items registered under T-9834 will be a descriptive report, a 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

2. AREAL FIELD INSPECTION

This area consists of 75% land and 25% water. Roughly, 40% is under cultivation, 50% consists of swampland, and the remaining 10% woodland.

Elevations vary from 1.0 ft. to 20 feet.

The Albemarle Sound is the most prominent natural feature in the area.

The most prominent cultural features are the North Carolina Highway No. 32 and U. S. Highway No. 64.

This is a rural area and the chief industries are agriculture and commercial fishing.

No difficulty was encountered in the interpretation of the photographs.

The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

(a) No supplemental control established.

(b) No datum adjustments were made.

(c) Stations not established by the U.S.C.& G.S. are:

Station	Agency	Order	Datum
Pipe Station C-1, 1942	U. S. A. E.	Third	N.A. 1927
" " C-2, 1942	"	"	"
" " B-2, 1942	"	"	"

Disturbed. SMK

(Note: Forms 526 were submitted for the above stations for Project Ph-45(49). C.S.I. Card for Pipe Station C 2, 1942 USE Submitted with Ph 45

(d) A search was made for all known control. Stations reported as "Lost" or "Not Recovered" are:

1. Sleight 2, 1909
2. Lon, 1917
3. Laurel Pt. 2, 1917
4. Bull, 1917

Forms 526 were submitted for all of the above stations for Project Ph-45(49). See special report submitted with quadrangle T-9839.

The following stations were identified on the photographs for control of the radial plot:

1. Laurel Pt. Lt. House, 1931 (North of quadrangle)
2. Pipe Station B-2, 1942
3. Pipe Station C-2, 1942

4. VERTICAL CONTROL

(a) A search was made for all known vertical control. The following is a list of all bench marks in the quadrangle:

Name	Agency	Order
V-245 - 11	U.S. Coast & Geodetic Survey	Third
W-245 - 11	"	"
X-245 - 9	"	"
Pipe Station C-1	"	"
Pipe Station C-2	"	"
Pipe Station B-2	"	" Disturbed 2Hk
U-245 - 10	"	"

(b) 29.6 Miles of fly levels were run, beginning and closing on bench marks. The largest error of closure on any line was 0.42 foot. No adjustments were made.

(c) The first and last fly level points were 34-01 and 34-38.

5. CONTOURS AND DRAINAGE

The contouring was accomplished by planetable methods directly on nine-lens photographs, scale 1:20,000, at five-foot intervals.

The natural drainage consists of one creek and its tributaries, i.e. Deep Creek and Davenport Forks.

A large portion of the area is swampland and is known as Big Swamp (formerly Indian Swamp). The natural drainage for this area is by seepage. The highest natural elevation in the area is 20 feet, which is in the extreme northwestern section.

6. WOODLAND COVER

This phase of work was accomplished in accordance with Paragraph 5433A, Page 363, Part II, of the Topographic Manual, Special Publication No. 249.

7. SHORELINE AND ALONGSHORE FEATURES

Most of the shoreline is apparent. There is a small part of the western portion of the shoreline of Albemarle Sound that consists of bluffs 14 feet high.

Appropriate notes appear on the photographs indicating the various types of shoreline.

(a) There is no perceptible periodic tide* in the Albemarle Sound. All fluctuations are attributed to wind and rains. The mean high-water line and mean low-water line are ~~synonymous~~ coastwise.

* Less than 1/2 foot. EHR

All existing piers, docks, etc. are clearly indicated on the photographs.

8. OFFSHORE FEATURES

A few small areas of tree stumps, cypress trees, and fish stakes have been indicated on the photographs.

9. LANDMARKS AND AIDS

One interior landmark was identified on the photographs, i.e. Fire Tower, 1951. A small portion of the bridge spanning the Albemarle Sound appears in the northwest portion of the area. See §58

10. BOUNDARIES, MONUMENTS AND LINES

These are covered in a special boundary report which will be submitted at later date by Mr. James E. Hundley, Cartographer.

This report covers project and is filed in Div. of Photogrammetry. EHR

11. OTHER CONTROL

Recoverable topographic stations established are:

Fire Tower, 1951
Dike, 1951
Pine, 1951
Amos, 1951
Apex, 1951

Also listed under §49

Forms 524 are filed for two boundary monuments of N.C. Highway and Public Works Commission reservation. EHR

12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with paragraphs 5441 and 5446 of Part II, Topographic Manual.

13. GEOGRAPHIC NAMES on file 854 L.H.

This is the subject of a special report which will be submitted at a later date by Mr. James C. Cregan, Cartographic Survey Aid.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

None, except as referred to under Items 3, 10 and 13.

19 October 1951
Submitted by:

Jack T. Beecher by J. E. Hundley
Jack T. Beecher,
Cartographic Survey Aid

28 December 1951
Approved by:

Allen L. Powell
for Harry F. Garber
Commander, USC&GS
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT.

21. AREA COVERED.

This photogrammetric plot was for all of Ph-61(49). Eleven (11) quadrangles, T-9832 through T-9842, on the south shore and south of the west end of Albemarle Sound, North Carolina, comprise Ph-61(49). Ph-45(49) adjoins on the east and Ph-20(47) on the south.

The sketch on Page 13 of this report shows the layout of quadrangles, the distribution of identified control, photograph centers, index of control and the adjoining quadrangles of Ph-20(47) and Ph-45(49).

22. METHOD.

Radial Plot:

Map Manuscripts. -- The map projections are on vinylite at a scale of 1:20,000, ruled with polyconic projection in black and the North Carolina Lambert Grid in red. The map manuscripts are 7'30" in latitude and longitude.

The positions of the substitute stations were computed and all the control was plotted using dividers and meter bar.

The radial plot was run on the joined map manuscripts because projections and grids joined perfectly; and the manuscripts and templets are vinylite.

Photographs: -- The area was photographed with the nine-lens camera at 1:20,000 scale on 17 March 1951. Photographs used in this plot were:

33119 to 33129, inclusive
33135 to 33141, "
33150 to 33157, "
33163 to 33171, "
33180 to 33187, "
33192 to 33205, "
33208 to 33214, "

Templets: -- Vinylite templets were made from the photographs using master templet 33566 to correct for paper distortion and chamber distortion.

Closure and adjustment to control: -- Control, photograph centers and pass points from radial plots for Ph-20(47) and Ph-45(49) had been retained on base grids that were joined to the prepared manuscripts for laying the plot.

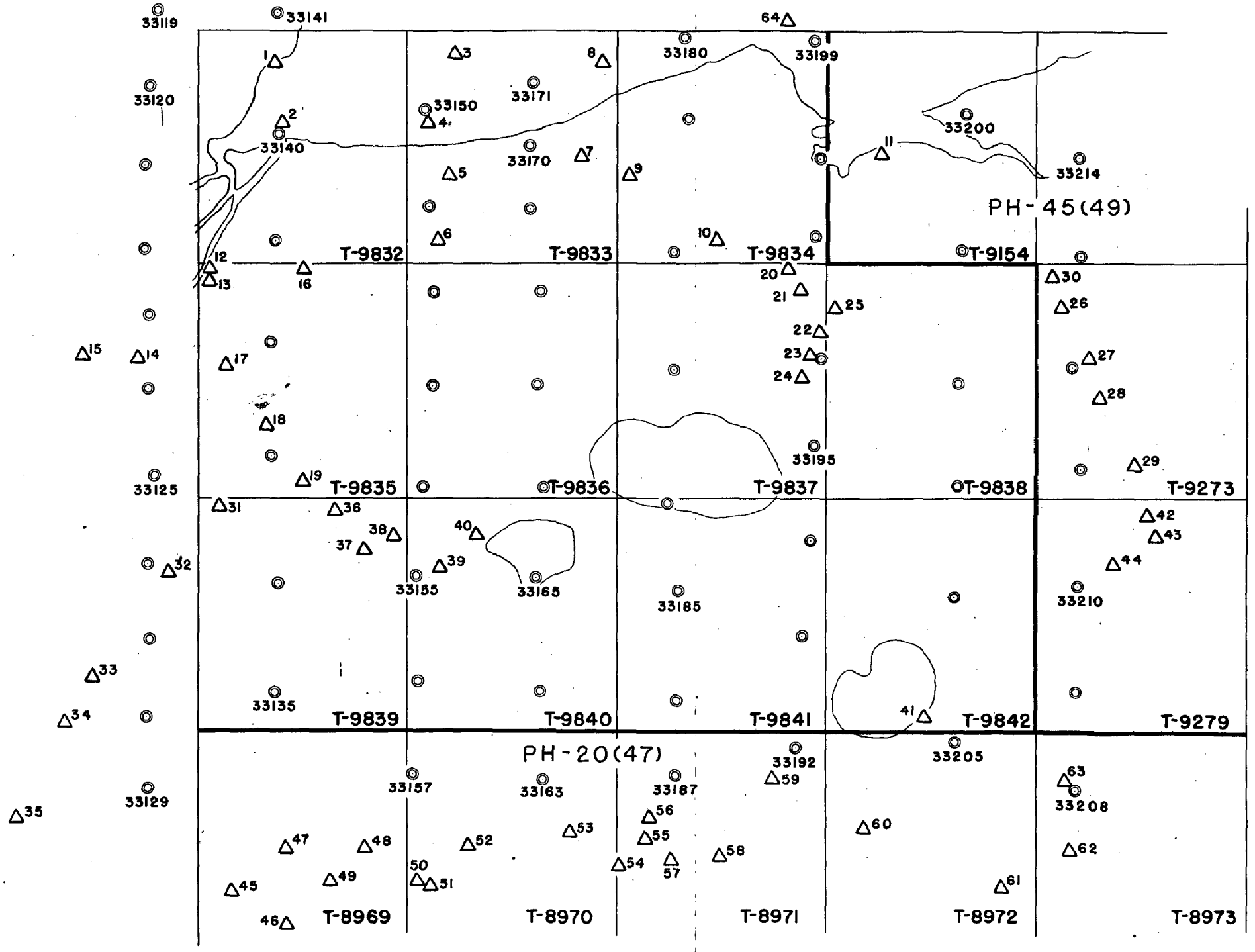
A preliminary radial plot disclosed that "Control Point D" in T-9837 (No. 23 on sketch), "Substitute Point CI-RE-48" and "Substitute Point CI-RE-5A-48" west of T-9839 (Numbers 34 and 35 on sketch) would not hold.

The preliminary radial plot position of "Control Point D" was about 4.55 mm (91 meters) southwest of the field position. It had been located on the "Non-monumented Traverse CRESSWELL, N. C. to LAKE PHELPS" by a "plus" and an offset from Traverse Station D2-SA-17. Examination of the radial plot, photographs and computations indicate that a 300 foot chain length was dropped in chaining from D2-SA-17 to the offset point.

"Control Point D" was discussed with Lt. Allen L. Powell, under whose supervision the "Non-monumented Traverse CRESSWELL, N.C. to LAKE PHELPS" was run. Lt. Powell corroborated our conclusions as to how the points were located and agreed it was possible for Control Point D to be in error and not affect Control Point E. Because the traverse was not monumented it was impossible to check the radial plot position of Control Point D in the field.

The preliminary radial plot positions of Substitute Point "CI-RE-48" (no. 34 on sketch) and Substitute Point "CI-RE-5A" (no. 35 on sketch) were 1.5 mm (30 meters) and 4.3 mm (86 meters) from the field positions. These control points were located from CI-RE-48, not monumented, and CI-RE-5A, monumented and described, which were a part of "Third Order Traverse PLYMOUTH, N. C." Examination of the traverse computations revealed that the signs had been reversed in the position computations for these two substitute points; when corrected they fit the plot.

The final radial plot was started from fixed templets on the north, east and west. The control and pass points from the junction with Ph-20(47) were utilized on the south. The radial plot for T-9832, T-9833, T-9834, T-9838 and T-9842 were completed when the plot was interrupted for a special project. The radial plot was later continued from the west and south and bridged across to quadrangles previously completed.


PH-45(49)
PH-20(47)
T-9832
T-9833
T-9834
T-9154
T-9835
T-9836
T-9837
T-9838
T-9273
T-9839
T-9840
T-9841
T-9842
T-9279
T-8969
T-8970
T-8971
T-8972
T-8973
33119
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33150
33171
33180
33199
33200
33214
33170
33195
33125
33155
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33185
33210
33135
33157
33163
33187
33192
33205
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33129
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SKETCH FOR REPORT ON PHOTOGRAMMETRIC PLOT OF PH-61(49)

△ HORIZONTAL CONTROL

◎ CENTER OF NINE LENS PHOTOGRAPH

INDEX OF CONTROL

1. Sub. Pt. CAPEHEART 4, 1942 (CAPEHEART 3RM, 1952)
2. ROANOKE RIVER LIGHTHOUSE, 1909
3. DRAWBRIDGE CENTER OF HIGH PART, 1945
4. MACKAYS CREEK LIGHT, 1942
5. Sub. Pt. PIPE STATION C-1,1942(USE)
6. Sub. Pt. PIPE STATION B-2,1942(USE)
7. Sub. Pt. PIPE STATION A-1,1942(USE)
8. HIGHWAY BRIDGE CENTER DRAW LIGHT, 1942
9. Sub. Pt. PIPE STATION B-2,1942(USE)
10. Sub. Pt. PIPE STATION C-2,1942(USE)
11. Sub. Pt. BUNTON, 1917
12. PLYMOUTH STACK, 1931
13. Sub. Pt. PIPE STATION C-1,1942(USE)
14. Sub. Pt. PIPE STATION B-1,1942(USE)
15. Sub. Pt. PIPE STATION A-1,1942(USE)
16. Sub. Pt. PIPE STATION A-1,1942(USE)
17. Sub. Pt. A
18. Sub. Pt. C1-RE-1, 1952
19. CONTROL POINT AA
20. Sub. Pt. PIPE STATION D-1,1942(USE)
21. CONTROL POINT A
22. CONTROL POINT C
23. CONTROL POINT D
24. CONTROL POINT E
25. CONTROL POINT B
26. CONTROL POINT NO. 7
27. CONTROL POINT NO. 6
28. CONTROL POINT NO. 5
29. CONTROL POINT NO. 4
30. LOOKOUT TOWER, 1951
31. Sub. Pt. C1-RE-2, 1951
32. Sub. Pt. CI-RE-3A, 1951
33. Sub. Pt. CI-RE-4, 1951
34. Sub. Pt. CI-RE-4B, 1951
35. Sub. Pt. CI-RE-5A, 1951
36. CONTROL POINT BB
37. CONTROL POINT CC
38. CONTROL POINT DD
39. CONTROL POINT EE
40. CONTROL POINT FF
41. Sub. Pt. NCGS 271, 1934
42. CONTROL POINT NO. 3
43. CONTROL POINT NO. 2
44. CONTROL POINT NO. 1
45. Sub. Pt. YEATSVILLE, 1935
46. Sub. Pt. CADY, 1935
47. Sub. Pt. ROSE, 1933
48. Sub. Pt. STEVENSON, 1935
49. Sub. Pt. PAN RM 2, 1935
50. Sub. Pt. BELHAVEN, 1935
51. BELHAVEN MUNICIPAL WATER TANK, Black, 1933
52. Sub. Pt. NCGS 490 Az. Mk., 1934
53. Sub. Pt. WAY, 1933
54. Sub. Pt. BULLOCK, 1935
55. Sub. Pt. BELT, 1934
56. Sub. Pt. DURDEN, 1934
57. Sub. Pt. POOLE, 1934
58. Sub. Pt. WILKERSON, 1935
59. Sub. Pt. NCGS 273, 1934
60. Sub. Pt. SIXTEEN, 1935
61. Sub. Pt. NCGS 262 Az. Mk., 1934
62. Sub. Pt. FAIRFIELD, 1935
63. Sub. Pt. JUNCTION, 1935
64. LAUREL POINT LIGHTHOUSE, 1931

23. ADEQUACY OF CONTROL.

There was sufficient control for a good radial plot despite the absence of control on two quadrangles, T-9836 and T-9841; and two quadrangles with only one control station, T-9838 and T-9842.

Sixty-four (64) control stations were identified and with the exception of the control discussed in Item 22 (Closure and adjustment to control) no problems arose.

24. SUPPLEMENTAL DATA.

Inapplicable.

25. PHOTOGRAPHY.

Photographic coverage was adequate and definition and contrast were good. There was not sufficient tilt to justify further investigation.

26. GENERAL.

A final check was made to insure proper transfer of all pass points, control and photograph centers to the material limits of all map manuscripts. "Dog-ears" for photograph centers needed for compilation were added to complete the preparation of the map manuscripts.

Dates of completion of the radial plot are as follows:

T-9832 and T-9833	on 2 May 1952
T-9834	on 5 May 1952
T-9838 and T-9842	on 22 May 1952
T-9835 and T-9839	on 15 August 1952
T-9836 and T-9837	on 27 August 1952
T-9840 and T-9841	on 19 September 1952

Respectfully submitted,

Milton M. Slavney

Milton M. Slavney
Cartographer (Photogrammetry)
Tampa Photogrammetric Office

APPROVED & FORWARDED:

J. E. Waugh

J. E. Waugh, Chief of Party

waR.

MAP T- 9834 PROJECT NO. Ph-61(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)
LAUREL POINT LIGHTHOUSE, 1931	Sp.Pub. 218 Pg 69	N. A. 1927	829,629 2,771,185	9,629 (371) 1,185 (8,815)			
PIPE STATION B-2, 1942 (USE)	Bull Bay Quad 11	"	35 55 17.112 76 29 37.489			527.4 (1321.9) 939.9 (564.4)	Recovered in disturbed condition.
PIPE STATION C-1, 1942 (USE)	Bull Bay Quad 6	"	35 54 02.409 76 26 58.942			74.2 (1775.0) 1478.1 (26.5)	
PIPE STATION C-2, 1942 (USE)	Bull Bay Quad 4	"	35 53 41.917 76 26 21.868			1291.9 (557.3) 548.4 (956.4)	

1 FT. = .3048006 METER

COMPUTED BY: I.I.Saperstein DATE 14 March 1952 CHECKED BY: R. J. Pate DATE 20 March 1952

M-2388-12

COMPILATION REPORT T-9834

31. DELINEATION.

Compiled by graphic methods. No unusual methods used.

32. CONTROL.

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

33. SUPPLEMENTAL DATA.

None. See §14

34. CONTOURS AND DRAINAGE.

No difficulty was encountered in the delineation of contours and drainage.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate.

36. OFFSHORE DETAILS.

No statement. See §57

37. LANDMARKS AND AIDS.

No statement required. See §58

38. CONTROL FOR FUTURE SURVEYS.

Five (5) Forms 524 are being submitted. The names of the stations have been listed under Item 49.

39. JUNCTIONS.

Satisfactory junction with T-9154 on the east.
Satisfactory junction with T-9833 on the west.
Satisfactory junction with T-9837 on the south.
Joins USC of E Quadrangle HERTFORD ( ) on the north. (water).

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement. See §53

41. BOUNDARIES.

The county line between Chowan and Washington Counties has been shown according to an Act of the State of North Carolina Legislature passed in 1911. The line was "declared to be the middle of Albemarle Sound, parallel to the shores --". The foregoing quotation is from "Formation of North Carolina Counties 1663-1943" Page 220, submitted with the boundaries report for the project. The maps accompanying said report show the county line passing through the bridge at the draw. This is in error by approximately 400 meters. Field print No. 33180 shows the line relatively correct. The true position was plotted halfway between the pass points (one at each end of the bridge).

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U.S.C. of E. Quadrangle COLUMBIA, N.C., scale 1:125,000, dated 1943. 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 §65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Charles J. Downing

Charles J. Downing
Carto. Photo. Aid.

Giles

APPROVED AND FORWARDED:

J. E. Waugh

J. E. Waugh, Chief of Party

49. NOTES FOR THE HYDROGRAPHER.

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

FIRE TOWER, 1951

DIKE, 1951

PINE, 1951

AMOS, 1951

APEX, 1951

FIELD EDIT REPORT
Project Ph-61(49)
Quadrangle T-9834

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 March 1954.

Field edit corrections have been shown on the field edit sheet, field photographs 33182, 33197 and in this report.

The reviewer's questions were 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 the field edit revisions have been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good. See §6

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

The primary deficiency in contouring was topographic expression.

The majority of the contours have been reshaped either on the field edit sheet or field photographs.

54. RECOMMENDATIONS

* Recommend that item "55 - Examination of Proof Copy" of this report 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.

See item "54"

56. DRAINAGE

Refer to item "5 - Field Inspection Report".

Numerous "[redacted]" and "feeder" ditches have been deleted from the field edit sheet. J.E.H.

57. OFFSHORE FEATURES

Refer to item "8 - Field Inspection Report".

Foul areas, offshore, have been shown on the field edit sheet.

58. LANDMARKS

Refer to item "9 - Field Inspection Report.

FIRE TOWER, 1951 should not be considered for nautical charts. It is, at best, only an interior landmark. Form 567 is submitted.

59. OTHER INTERIOR FEATURES

Refer to item"12- Field Inspection Report".

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

Numerous additional buildings have been shown on the field edit sheets.

60. JUNCTIONS

Satisfactory junctions have been made with all adjacent contemporary quadrangles.

Respectfully submitted
21 May 1954

James E. Hundley
James E. Hundley
Cartographer

Approved

E. H. Kirsch
E. H. Kirsch,
Comdr. USC&GS
Officer in Charge

* I believe that a strong effort should be made to find one or more residents in the area who are intimately acquainted with the area, and who are interested and qualified, to examine a proof copy for errors.

E. H. Kirsch

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9834

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 XX 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. XX 15. Bridges J.G. 16. Aids to navigation XX 17. Landmarks J.G. 18. Other alongshore physical features J.G. 19. Other alongshore 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 — Reviewer

William A. Rasure — Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

by Tampa EHR

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-9834
29 November 1954

62. Comparison with Registered Topographic Surveys

T-211	1:20,000	1848
T-3527	1:40,000	1915
T-3532	1:40,000	1915-'17

There is general agreement in shoreline with these prior surveys. A small amount of erosion is evident. Map T-9834 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 quadrangle (C. of E.) 1:125,000 1943
Some changes in culture have occurred.

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

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

Map T-9834 shows more shoreline structures than are shown on this chart.

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:

Chief, Review Branch

Chief, Nautical Chart Branch
Division of Charts

Chief, Division of Photogrammetry

Chief, Division of Coastal Surveys

48. GEOGRAPHIC NAME LIST.

ALBEMARLE SOUND

BIG SWAMP
BULL BAY
BULL CREEK

CHOWAN COUNTY

DAVENPORT FORKS (road intersection)
DEEP CREEK
Edenton Township ?
FIRST LANDING

LAUREL POINT
LEONARDS POINT

MT. PLEASANT CHURCH

*NEWBERRY DITCH (marked on map)
NEWBERRY LANDING
NEWBERRY LANE
NORFOLK AND SOUTHERN (R.R.) (omit)
NORTH CAROLINA

PEA RIDGE
PINEY GROVE CHURCH Prison Camp - (only reservation shown - includes maintenance shops)

SCUPPERNONG
SCUPPERNONG TOWNSHIP (in both Tyrrell and Washington Counties)
SCUPPERNONG CHURCH
SHADBERRY LANDING
*SHADBERRY LANE (marked on map)
SKINNERVILLE TOWNSHIP (as on map)
SLEIGHTS CREEK
STATE 32
Township No. 4
TYRRELL COUNTY

U. S. 64

WASHINGTON COUNTY
WHARF BUNTON Creek

*To be investigated by Field Editor.

Names approved 8-4-53 on basis of project names report.
L. Heck

additional names
11-16-54
LA.

C O P Y

DEPARTMENT OF COMMERCE
U. S. Coast & Geodetic Survey

Toms River, New Jersey
General Delivery

5 May 1953

To: Chief, Division of Photogrammetry
U. S. Coast & Geodetic Survey
Washington 25, D. C.

Subject: Compilation of Tram Roads - Ph-45(49) and Ph-61(49)

Ref.: Tampa Photogrammetric Office, letter dated 28 April 1953, Chief, Division of Photogrammetry letter dated 30 April 1953

The features appearing on the map manuscripts, PH-45(49), labeled "Dismantled R.R." were deleted in view of the fact that they were narrow gauge, not graded, they had no destination, they had been abandoned and were becoming covered with a new growth of trees, Cypress, Gum and Pine.

In fact some of these lines that appeared on the maps and on the photographs were almost impossible to see on the ground.

These lines are of a temporary nature only. After they have served their purpose, bringing logs out of the swamp and woods, for which they were constructed, the rails are removed and the line abandoned.

The standard gauge R.R. that ran from Plymouth, N.C. to Columbia, N.C. (labeled dismantled) has also been deleted, in view of the fact that a good part of this abandoned line has been plowed and eventually the entire length of the line will be turned back to the farmers.

Recommend that these features labeled "Dismantled R.R." not be shown on any map manuscript.

James E. Hundley

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS TO~~ LANDMARKS FOR CHARTS

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

Tampa Photogrammetric Office, Tampa, Fla. 4 December, 1952

I recommend that the following objects which have ~~not been~~ 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 Richard A. Reece,

J. E. Waugh *Chief of Party.*

STATE NORTH CAROLINA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE * ° ′	″ D.M. METERS	LONGITUDE * ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
FIRE TOWER	Skeleton steel. Ht.= 120 (130)		35 54	58.40 1800	76 28	14.64 367	N.A. 1927	Rad.Plot T-9834	June 1952		x		1228
													20

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

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS~~ OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~ / TO BE DELETED } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 16 September 19 54

I recommend that the following objects which have (~~been~~) 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 Wm. A. Mosure

Ira E. Rubottom *Chief of Party.*

STATE NORTH CAROLINA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
FIRE TOWER	Skeleton Steel Ht.= 120 (130)		35 54	58.40 1800	76 28	11.64 367	N.A. 1927	Rad.Plot T-9834	1952		X		1228
	THIS IS AN INTERIOR LANDMARK ONLY												

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.

*LATE SECONDS AND METERS

M-2836-3

History of Hydrographic Information
for Map T-9834

Hydrography was added to the map manuscript for T-9834 in accordance with the General Specifications of the Photogrammetry Division dated 18 May 1949.

Depths are in feet at mean low water datum and originate from the following hydrographic surveys:

H-3730, 1:20000, 1915-17 and
H-3766, 1:20000, 1915

Hydrography was compiled by Everett H. Ramey on 27 January 1956 and verified by O. Svendsen on 1 February 1956.

Everett H. Ramey
Everett H. Ramey

NAUTICAL CHARTS BRANCH

SURVEY NO. 9834

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6-20-62	1228	Knoop	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
			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.