

8970

Diag. Cht. No. 1231-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-20(17) Office No. T-8970

LOCALITY

State NORTH CAROLINA

General locality LYLE COUNTY

Locality BELHAVEN

194 51

CHIEF OF PARTY

H.F. Garber, Chief of Party

A.I. Wardwell, Tanna Photogrammetric Office

LIBRARY & ARCHIVES

DATE August 4, 1953

B-1670-1 (1)

8970

DATA RECORD

T-8970
T

Project No. (II): Ph-20 (47) Quadrangle Name (IV): Belhaven, N.C.

Field Office (II): Manteo, N. C.

Chief of Party: H. F. Garber

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 23 July 1948

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) MAR 12 1951 Date reported to Nautical Chart Branch (IV): 3-21-51

Applied to Chart No.

Date:

Date registered (IV): 7-21-53

Publication Scale (IV): 1:24,000

Publication date (IV): 1951

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or ~~mean lower low water~~

Reference Station (III): LOWER DOWERY 2, 1914

Lat.: 35° 31' 45.302 (1396.24) Long.: 76° 33' 27.929 (703.64)

Adjusted

~~1036.052~~

Plane Coordinates (IV):

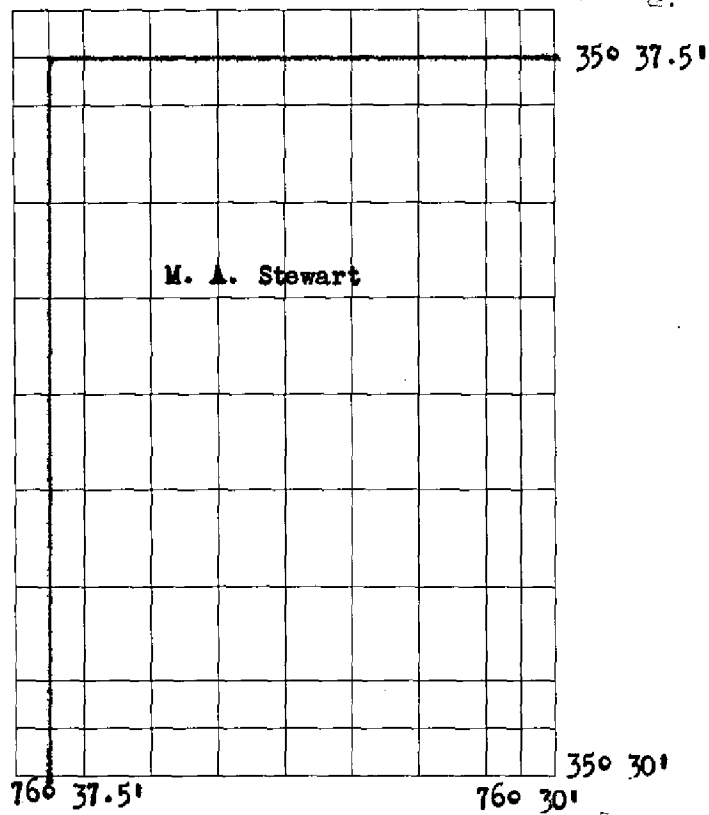
State: N. Carolina Zone: _____

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).

Matthew A. Stewart
Carto Surv. Aid

DATA RECORD

Page 3

Field Inspection by (II): **Matthew A. Stewart**
Carto Surv. Aid

Date: **1-5-50**
5-31-50

Planetable contouring by (II): **Matthew A. Stewart**
Carto Surv. Aid

Date: **1-5-50**
5-31-50

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

Date: **18 May to 22 May**
1951

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

21 Dec. 1948

Air Photo Compilation

Projection and Grids ruled by (IV): **W.E.W. (W.O.)**

Date: **1 JUNE 1948**

Projection and Grids checked by (IV): **W.E.W. (W.O.)**

Date: **1 JUNE 1948**

Control plotted by (III): **R. R. WAGNER**

Date: **14 OCT. 1948**

Control checked by (III): **B. F. LAMPTON**

Date: **26 OCT. 1948**

Radial Plot ~~or Stereoscopic~~

~~or other extension~~ by (III): **M. M. SLAVNEY**

Date: **11 SEPT. 1950**

Planimetry

Stereoscopic Instrument compilation (III):

Inapplicable

Contours

Date: _____

Date: _____

Manuscript delineated by (III): **W. W. DAWSEY**

Date: **6 DEC. 1950**

Photogrammetric Office Review by (III): **J. A. GILES**

Date: **17 JAN. 1951**

Elevations on Manuscript
checked by *W* (III): **W. W. DAWSEY**

Date: **6 DEC. 1950**

Camera (kind or source) (III): U.S.C. & G.S. Nine-lens $8\frac{1}{4}$ " focal length

| Number | Date | PHOTOGRAPHS (III) | | Scale | Stage of Tide |
|--------|--------------|-------------------|--|----------|------------------|
| | | Time | | | |
| 24114 | 21 Dec. 1948 | 12:12 | | 1:20,000 | No periodic Tide |
| 24115 | 21 Dec. 1948 | 12:13 | | " | |
| 22150 | 29 Mar. 1948 | 12:57 | | " | |
| 22151 | 29 Mar. 1948 | 12:58 | | " | |
| 22152 | 29 Mar. 1948 | 12:59 | | " | |
| 24117 | 21 Dec. 1948 | 12:21 | | " | |
| 24118 | 21 Dec. 1948 | 12:22 | | " | |

Tide (III)

Reference Station: **No Periodic Tide**
 Subordinate Station:
 Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|--------------------|---------------|-----------------|
| | | |
| | | |
| | | |

Washington Office Review by (IV): *K.N. Maki*

Date: *4-22-52*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **47**

Shoreline (More than 200 meters to opposite shore) (III): **22**

Shoreline (Less than 200 meters to opposite shore) (III): **23**

Control Levelling - Miles (II): **8.0 miles Third Order--23.3 miles fly levels**

Number of Triangulation Stations searched for (II): **37** Recovered: **16** Identified: **9**

Number of BMs searched for (II): **21** Recovered: **18** Identified: **11**

Number of Recoverable Photo Stations established (III): **4**

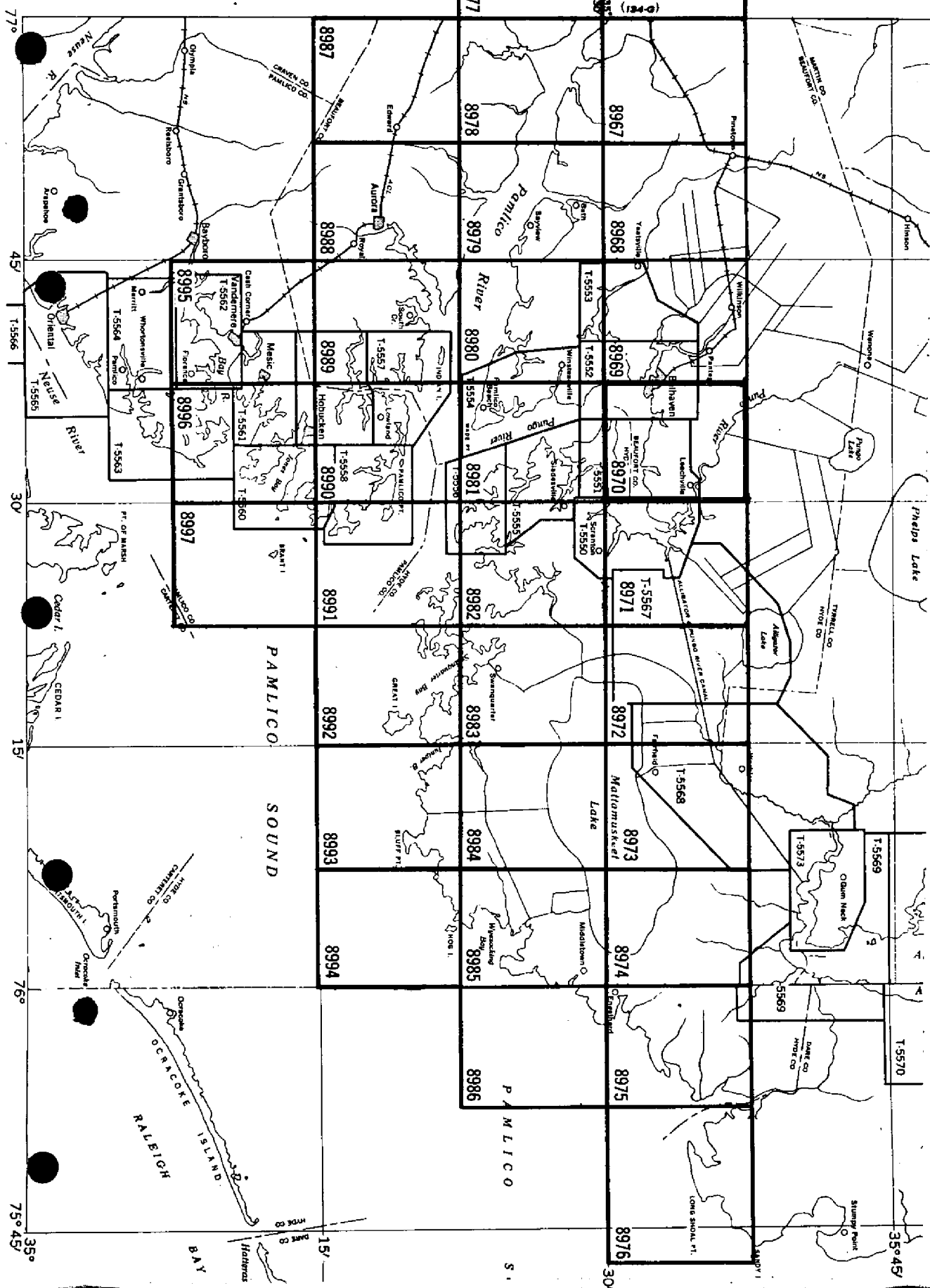
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

16 of the above B:M's are third Order Bench marks established by this party.

8 bench marks are shown on this map manuscript.

NORTH CAROLINA, Vicinity of Pamlico River



6.

SUMMARY TO ACCOMPANY T-8970

Topographic map T-8970 is one of a series of 32 maps in project Ph-20(47). The field operations included complete field inspection and planetable contouring on 1:20,000 scale nine lens photos. The manuscript was graphically compiled and completely field edited.

This map is to be published by the U. S. Geological Survey at a scale of 1:24,000 as a standard 7½ minute quadrangle. The registered copies under T-8970 to be filed in the Bureau Archives will include the original descriptive report, a cloth-mounted print of the manuscript at a scale of 1:20,000 and a cloth-mounted print of the published map at a scale of 1:24,000.

FIELD INSPECTION REPORT
QUADRANGLE T-8970

35-30/ 76-30/ 07.5

H. F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with instructions for Project Ph-20 (47), dated 23 July, 1948. In addition to Personnel listed on Page 3, the field work was accomplished by:

| <u>Name and Title</u> | <u>Phase</u> | <u>Date</u> |
|---------------------------------|--|---------------------------------|
| H. R. Spies Carto Surv. Aid | Horizontal and Vertical Control Recovery | December, 1948 January, 1949 |
| H. G. Murphy Carto Surv. Aid | Horizontal Control Recovery, and Shoreline | January-March 1949 |

2. AERIAL FIELD INSPECTION

This quadrangle lies to the North of the Pungo River. It includes Lower Dowry Creek, Upper Dowry Creek, Pantego Creek, Crooked Creek, and Scallop Creek, and small canals. The drainage is toward the Pungo River. The highest elevation is 13 feet in the northern sector.

Belhaven, an incorporated town--the East section of which lies within the quadrangle--is the largest town in the area and is situated at the confluence of Pantego Creek and Pungo River. Leechville, an unincorporated town, lies on the west bank of the Pungo River, in the Eastern edge of the quadrangle.

The quadrangle is bisected by U. S. Highway 264 and there are few secondary roads. A branch line of the Norfolk-Southern Railroad traverses the western section to a terminal in Belhaven.

The land area is low and cut up by numerous streams.

The quality of the photographs is satisfactory. No difficulty should be encountered in interpretation of tones by the compiler.

The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

- (a) No supplemental control was established.
- (e) Stations reported as "Lost" on Form 526
 - Ferry 2
 - Ash
 - Belhaven School house Cupola
 - Belhaven Missionary Baptist Church Spire
 - Belhaven Colored Baptist Church Spire
 - Belhaven City Hall Flag Pole
 - Belhaven Christian Spire
 - Duran
 - Gen
 - Lower
 - Lowe
 - Marsh
 - North Duran Point 2
 - Off
 - Pantego
 - Press
 - Pungo
 - Stream
 - Tego
 - Upper
 - Prim. Trav. Sta. No. 5

4. VERTICAL CONTROL

To supplement existing vertical control, a third order level line was run along the railroad from Pinetown to Belhaven, thence on U. S. Route No. 264 through Leechville, and to Columbia, N. C.

- (a) Bench Marks
 - (1) Third order U.S.C. & G.S.

- P - 243, 1948
- Q - 243, 1948
- R - 243, 1948
- S - 243, 1948
- T - 243, 1948
- U - 243, 1948
- Way, 1933
- Way, 1933, RM No. 1
- Way, 1933, RM No. 2
- Way, 1933, RM No. 3
- N.C.G.S. 490
- N.C.G.S. 490 AZ

Belhaven, Pungo River, Bench Mark No. 1 (1935)
 Belhaven, Pungo River, Bench Mark No. 2 (1935)
 Belhaven, Pungo River, Bench Mark No. 3 (1935)
 3.7 U.S.D.S.

(All the above were established by this party)

Other agencies:

Bench Mark 6.7 (U.S.G.S.)

Bench Mark 6.4 (U.S.G.S.)

(b) Fly levels began and closed on third order bench marks.

The greatest error of closures were 0.4 ft. between 70-1 and 70-6 and 0.4 ft. between 70-7 and 70-23.

These errors were adjusted.

(c) The first and last level points are 70-1 to 70-51

The order of accuracy of the two bench marks established by the U.S.G.S. is unknown. These bench marks have been identified on the photographs, but they were not used while contouring as an attempted tie to them on a fly level line (between third order bench marks) failed to check by approximately .85 feet.

5. CONTOUR AND DRAINAGE

Contouring was done by planetable methods directly on 1:20,000 nine-lens photographs. Elevations ranged from zero to thirteen feet. The contour interval was five feet.

(13.7)
 Horizontal location of spot elevations was determined by closed planetable traverse.

The Tampa office outlined the drainage on the photographs with a stereoscope prior to contouring. During field operations this drainage was checked and corrected where necessary. All drainage flows toward the Pungo River or its tributaries.

6. WOODLAND COVER

The cover was classified in accordance with Paragraph 5433 of the preliminary edition of the Topographic Manual, dated June, 1949. In accordance with published edition.

7. SHORELINE AND ALONGSHORE FEATURES

(a) Mean high water line shows clearly on the photographs.

Apparant shoreline is found chiefly along the tributaries of the Pungo River.

(b) The mean low-water line coincides with the mean high-water line, as there is no periodic tide.

(c) Inapplicable

(d) Inapplicable

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

Non-floating aids are listed on Form 567. *(copy attached)*

10. BOUNDARIES, MONUMENTS, AND LINES

For legal descriptions of all boundaries in the project, see "special boundary report", which has been submitted by Mr. Wilbur H. Nelson and supplemental boundary report by Mr. A. J. Wraight, which was submitted 8 November 1949. *Both reports on file in Div. Photogrammetry general files.*

There are no boundary monuments in this quadrangle.

The Pungo River forms the county line between Beaufort County and Hyde County in this quadrangle.

11. OTHER CONTROLS

Recoverable Topographic Stations are: *on file in Div. Photogrammetry general files*

ABET, 1949

BARN, 1949

FATE, 1949

HALE, 1949

12. OTHER INTERIOR FEATURES

All roads and buildings were classified in accordance with Paragraph 5441 of the Preliminary Topographic Manual (June, 1949). In accordance with published ~~copy~~ edition.

Pungo River Bridge at Leechville is the only bridge over navigable water in the quadrangle. A power line crosses just north of the bridge.

The data are shown on Photograph 22152.

13. GEOGRAPHIC NAMES

This special report will be submitted by Mr. A. J. Wraight.
Filed in Geographic Names Section, Div. of Charts.

14. SPECIAL REPORT AND SUPPLEMENTAL DATA

Except as noted in items 10 and 13 above, there are no special data for this sheet.

15. SWAMPS

Classification of swamp was completed during field inspection, and has been clearly shown on the photographs. All areas labeled "Sw" are true swamp.

1 June 1950
Submitted by:

Matthew A. Stewart
Matthew A. Stewart
Cartographic Survey Aid

Approved:

Harry F. Garber
Harry F. Garber
Chief of Party

Photogrammetric Plot Report No. 5

This report covers the radial plot for maps T-8969 to T-8972 inclusive, T-8980 to T-8983 inclusive, and T-8992 and is filed as part of the descriptive report for T-8992.

MAP T-8970

PROJECT NO. Ph-20(47)

SCALE OF MAP 1:520,000

SCALE FACTOR 1.000

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ψ -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) |
|--|-------------------------------|-----------|--|---|------------------|---|--|
| BELHAVEN MUNICIPAL WATER TANK, BLACK, 1933 | S.P. 192 | N.A. 1927 | 35 32 22.778 76 37 28.558 | | | 702.0(1147.1) 719.4(792.1) | |
| BELHAVEN CITY HALL, SPIRE, 1933 | G.P. 371 | " | 35 32 19.73 76 37 19.18 | | | 608.1(1241.1) 483.2(1028.3) | |
| BELHAVEN METHODIST CHURCH SPIRE, 1933 | G.P. 371 | " | 35 32 09.88 76 37 07.06 | | | 304.5(1542.0) 177.9(1333.6) | |
| BELHAVEN, 1935 | G.P. 344 | " | 35 31 59.346 76 36 47.467 | | | 1,829.0(20.2) 1,195.8(315.7) | |
| PANTEGO CREEK BN., 1933 | G. P. 370 | " | 35 31 44.080 76 36 57.238 | | | 1,358.5(490.6) 1,442.1(69.6) | |
| 1930, 1933 | G.P. 366 | " | 35 31 33.778 76 37 22.616 | | | 1,041.0(888.1) 569.8(941.9) | |
| 490 (N.C.G.S.), 1934 | N.C.G.S. | " | 666,397.13 2,718,469.23 | 6,397.13(3,602.87) 8,469.23(1,530.77) | | 1,949.8(1098.2) 2,581.4(466.6) | |
| 490 AZ. MK (NGCS), 1934 | N.C.G.S. | " | 666,240.21 2,716,988.18 | 6,240.21(3,759.79) 6,988.18(3,011.82) | | 1,902.0(1146.0) 2,130.0(918.0) | |
| WAY, 1933 | S.P. 192 | " | 35 33 51.441 76 31 54.944 | | | 1,585.4(263.8) 1,383.7(127.3) | |
| GRANTS PT. BN., 1933 | G.P. 370 | " | 35 31 16.758 76 35 31.875 | | | 516.5(1332.7) 803.1(708.6) | |
| LOWER DOWRY 2, 1914 | G.P. 344 | " | 35 31 45.302 76 33 27.929 | | | 1,396.2(453.0) 703.6(808.0) | |
| LOWER DOWRY PT. BN., 1933 | G.P. 371 | " | 35 31 17.416 76 33 32.175 | | | 536.7(1312.4) 810.7(701.1) | |

1 FT. = 3048006 METER

COMPUTED BY R. F. Lampton

DATE 22 September 1948

CHECKED BY R. R. Wagner

DATE 23 September 1948

M:2388-12

12

MAP T. 8970

PROJECT NO. Ph-20(47)

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

| STATION | 'SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ψ -COORDINATE LONGITUDE OR α -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) |
|---------------------------------------|--------------------------------|--------------|---|---|---------------------|---|--|
| BRICK SILO, 1934 | G.P. 347 | N.A. 1927 | 35 32 01.621 76 32 37.301 | | | 50.0(1799.2) 939.7(571.9) | |
| STAR, 1934 | G.P. 345 | " | 35 31 43.920 76 32 14.588 | | | 1,353.6(495.6) 367.5(1144.2) | |
| ASH, 1934 | G.P. 345 | " | 35 31 49.937 76 31 13.528 | | | 1,539.0(310.1) 340.8(1170.8) | |
| WOOD, 1934 | G.P. 344 | " | 35 30 34.207 76 32 15.202 | | | 1,054.2(794.9) 383.1(1128.9) | |
| WINDLEY, 1935 | G.P. 297 | " | 35 30 10.162 76 30 39.373 | | | 313.2(1536.0) 992.3(519.8) | |
| GRUMPY, 1933 | G.P. 366 | " | 35 30 33.921 76 35 12.903 | | | 1,045.4(803.7) 325.2(1186.9) | |
| HEW, 1934 | G.P.s 346 | " | 35 34 48.272 76 30 01.816 | | | 1,487.7(361.4) 45.7(1464.9) | |
| SUB. STA. WAKE, 1933 | COMP. | " | 35 33 53.159 76 32 04.770 | | | 1,638.3(210.8) 120.1(1390.9) | |
| BELHAVEN CITY HALL, FLAGPOLE, 1914 | G. P. 387 | " | 35 32 20.098 76 37 19.152 | | | 619.4(1229.7) 482.0(1029.0) | |
| DECO RM2, 1933 | COMP. | " | 35 31 34.002 76 37 22.925 | | | 1,047.9(801.2) 577.6(934.1) | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

1 FT. = 3048006 METER

COMPUTED BY: F. Langston

DATE 22 Sept. 1948

CHECKED BY: R. R. Wagner

DATE 22 Sept. 1948

M-2388-12

13

COMPILATION REPORTT-8970PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-8992. See p. 11A.

31. DELINEATION.

Compilation was by the graphic method.

The scale of most of the photographs was not good, necessitating the use of the projector in most areas.

The field inspection was adequate along the shoreline and throughout most of the inshore work. Where field inspection was neglected or discrepancies seen, notes to that effect were shown on the discrepancy overlay for the attention of the Field Editor. Some difficulty was encountered in the interpretation of vegetation, swamp, etc., but after careful study and examination under the stereoscope, it is believed to be generally correct.

32. CONTROL.

The density and placement of secondary control was such that no difficulty was encountered in cutting in detail points.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

No difficulty other than poor scale of photographs was encountered in the delineation of the contours. In certain cases minor changes were made to give more character.

The inshore drainage was delineated as viewed on the office photographs. No difficulties were encountered.

35. SHORELINE AND ALONGSHORE DETAILS.

No difficulty was encountered in the delineation of the shoreline. The inspection was adequate.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

No unusual methods of compilation employed. Refer to Photogrammetric Plot Report No. 5 for full information on PANTEGO CREEK LT., 1950 (Pantege Cr. Beacon, 1933). See p. 11A.

38. CONTROL FOR FUTURE SURVEYS.

Four (4) cards, Form 524, are being submitted, ~~and have been listed under Item 49.~~ *See Field Inspection Report T-8970, p. 10, item #11.*

39. JUNCTIONS.

T-8971 - To the East : in agreement
T-8981 - To the South: in agreement
T-8969 - To the West : in agreement

40. HORIZONTAL AND VERTICAL CONTROL.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with the 1:62,500 U.S.G.S. topographic map entitled Belhaven, N.C., dated 1914. This map was found to be in good agreement. Comparison was also made with two U. S. Coast and Geodetic Planimetric Maps numbered T-5551 and T-5552, dated February, 1935. These maps were found to be in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Chart 832, scale 1:40,000, edition of January 1938 and corrected to 31 October 1949. The Planimetric Maps listed under Item 46 were the source of most of the topography on the chart and the same statement under that item applies.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

W. W. Dawsey
W. W. Dawsey
Cartographic Photo Aid

Approved and forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8970

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. 1:25,000 scale stations~~ 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. 1:25,000 scale stations~~ 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. 1:25,000 scale stations~~
~~24. 1:25,000 scale stations~~ 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. 1:25,000 scale stations~~

MISCELLANEOUS

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

40. Jesse A. Giles *Jesse A. Giles* William A. Rasure *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:

FIELD EDIT REPORT
Project Ph-20(47)
Quadrangle T-8970

Harry F. Garber, Chief of Party

51. METHODS

The field edit of this area was accomplished by traversing, via truck, all roads and walking to other areas in which the reviewer requested information. A general check on the adequacy of the map compilation was made. The shoreline was inspected from a skiff.

Corrections and additions were made by standard surveying methods in conjunction with visual inspection.

All corrections, additions and deletions have been noted on the field edit sheet.

The reviewer's questions are answered on the discrepancy print, field edit sheet and this report.

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

The actual field work was accomplished in three days in May, 1951.

52. ADEQUACY OF COMPILATION

The map compilation is adequate and will be complete after field edit data has been applied.

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good.

Numerous changes in horizontal position were made to contours throughout the area to improve topographic expression. The shifting of the position of these contours did not affect the vertical accuracy due to the terrain being relatively flat.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. W. C. Rodman, registered land surveyor of Washington, N. C., is best-qualified to examine a proof copy of this work.

Ref. to item 48 - "Geographic Names List".

Two new names should be added to this list; they are: "Belhaven High School", and "John A. Wilkinson High School". Both have been noted on the field edit sheet. Verification of these names was obtained from Mr. A. L. Johnson, Mr. H. V. Latham, and Mr. James E. Calfee, all residents of Belhaven, N. C. for at least thirty years. See p. 17+18

56. SHORELINE AND ALONGSHORE DETAILS

Ref. to note on field print 24117 and reviewer's question on discrepancy print.

The construction of wooden bulkheads in this area has not been completed and according to authoritative sources probably never will be completed.

A sketch of the area has been drawn on the field edit sheet showing all the features that should be mapped.

Ref. to reviewer's question "Trees in Water".

These are not trees in water. They are tree stumps where the shoreline has receded, as a result of storm tides washing away the banks and uprooting the trees. This condition exists in scattered areas throughout the north shore of Pungo River. They are not a hazard to navigation.

57. OFFSHORE DETAILS

Two wrecks and two very small marsh islands have been plotted on the field edit sheet.

Old piling has been plotted on the field edit sheet near the wooden breakwater at Belhaven, near the bridge at Leechville and Upper Dowry Creek.

58. HORIZONTAL CONTROL

Ref. to reviewer's questions on discrepancy print.

Triangulation station "GRUMPY 1933" was visited and distances were measured from the extreme tip of Durants Pt., and from the north and west bank of the point (24.6 meters SE of tip of pt) to the station.

The station is 24.6 meters SE of tip of Pt., 6.70 meters NE of west bank and 10.0 meters SW of north bank of Point. Form 526 has been corrected accordingly. All distances are from M.H.W.

Triangulation station "WOOD 1934" was visited and distances were measured from the station to the north shore of Pungo River (M.H.W.L.), east tip of Point (M.H.W.) and west bank of cove. They are the following:

Station to north bank (M.H.W.L.) = 6.1 meters.
" " west tip of Point W. of station (M.H.W.L.) = 30.3 meters.
" " east bank of cove (M.H.W.L.) = 19.5 meters.

Form 526 has been corrected accordingly. See field edit sheet.

59. OTHER INTERIOR FEATURES

Ref. to item 12 - Field Inspection Report.

Reclassification of roads was made and noted on the field edit sheet, where necessary.

A small number of additional buildings have been noted on the field edit sheet.

Approximate limits of woodland cover and swamp areas have been noted on the field edit sheet, where necessary.

JUNCTIONS

Satisfactory junctions have been made with T-8971 to the east, T-8981 to the south, and T-8969 to the west.

21 June 1951
Submitted by:

James E. Hundley
James E. Hundley *CH*
Cartographer

17 July 1951
Approved by:

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

48. GEOGRAPHIC NAME LIST.- ARNOLDS RIDGE- BATH TOWNSHIP- BATTALINA CREEK- BATTALINA POINT- BAY POINT- BAY SHORE LANDING- BEAUFORT COUNTY- BEECH RIDGE- BEECH RIDGE ROAD- BELHAVEN- BIBLE SHORE- Belhaven
(both Battalina)- Belhaven High School- CHINQUAPIN RIDGE- COW GUT- CROOKED CREEK- CURRITUCK TOWNSHIP- CUTTING SEDGE CREEK- Deep Pt.- DURANTS POINT

(B.G.N. decision)

- FAIRFIELD TOWNSHIP

= map on 1-8970

- FISHING CREEK- FLAX POND- GAYLORDS ISLAND- GRASSY LIST- HASLIN CORNER- HERRING RUN- HOOPOLE LANDING- HYDE COUNTY- Haystack Point (1950 B.G.N. at old
position of lower
Dowry Pt.)- KNIGHTS CREEK- LAWSON SHORE- LEECHVILLE (B.G.N. decision)- LOWER DOWRY CREEK (" ")- LOWER DOWRY POINT (position shifted by 1950 B.G.N. decision)- LOWES DITCH

48. GEOGRAPHIC NAME LIST (CONTINUED)

NORFOLK SOUTHERN RAILWAY
NORTH CAROLINA

PANTEGO SWAMP
PANTEGO TOWNSHIP
PINEY GROVE LANDING
PINEY GROVE RUN
PONZER ROAD
PUNGO LAKE CANAL
PUNGO POINT
PUNGO RIVER
PUNGO RIVER BRIDGE

Pantego Creek

SANDY GUT
SHALLOP CREEK
STATE 91

~~TOM CREEK~~ *Tsoleys Creek (both B.G.N. 1950)*
~~TOM POINT~~ *Tooleys Point*

UPPER DOWRY CREEK
U. S. 264

John A. Wilkinson High School

WINS GUT *(small, in Belhaven)*

*Names underlined in red
are approved, based on Wright's
report and recent B.G.N.
decisions. Subject to final
check by Field Edit.*

3-30-51.

L. Heck

*Re-checked 4-17-51
L. Heck*

REVIEW REPORT T-8970
Topographic Map
22 April 1952

62. Comparison with Registered Topographic Surveys.

| | | |
|--------|----------|------------------------|
| T-1273 | 1:20,000 | 1872 |
| T-1310 | " | 1873 |
| T-5550 | 1:10,000 | 1934 |
| T-5551 | " | " |
| T-5552 | " | " " |
| T-6338 | " | 1935 (graphic control) |
| T-6339 | " | " " " |
| T-6340 | " | " " " |
| T-6341 | " | " " " |

T-8970 supersedes the above surveys for nautical chart purposes. However, it should be noted that T-8970 is at a scale of 1:20,000 as compared to the 1:10,000 planimetric series T-5550 through T-5552 and the graphic control surveys T-6338 through T-6341.

63. Comparison with Maps of Other Agencies

Belhaven, N. C., U.S.G.S. 15' quadrangle, 1:62,500, 1914.
Plymouth, N.C., U.S.E. 30' quadrangle, 1:125,000, 1942 (no contours)

Chinquapin Ridge to Gaylords Island is shown with a series of 10-foot tops on the quad whereas on T-8970 it is defined by a continuous 10-foot contour with a depression area north of Gaylords Island.

64. Comparison with Contemporary Hydrographic Surveys.

None.

65. Comparison with Nautical Charts.

832 (Intracoastal Waterway) 1:40,000, 1st ed. 1952.
1231, 1:80,000, ed. 1938, corr. 2/20/50.
11.12.51

There are no significant differences between T-8970 and the charts.

66. Adequacy of Results and Future Surveys.

This map complies with national map accuracy standards. It is adequate as a base for construction of nautical charts.

Reviewed by:

K. N. Maki
K. N. Maki

-2-

Approved by:

S. V. Griffith
 Chief, Review Section
 Division of Photogrammetry

S. E. Munster
 Chief, Nautical Chart Branch
 Division of Charts

O. S. Reading
 Chief, Div., Photogrammetry

Earl O. Heaton
 Chief, Div., Coastal Surveys

History of Hydrographic Information
Quadrangle T-3970

Pungo River, North Carolina

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry general specifications dated 18 May 1949.

Soundings and 6 and 12 foot depth curves at mean low water datum originate with the following:


USC&GS Hydrographic Surveys:

H-5607 (1935) 1:10,000
H-5829 " "
H-5847 " "

USC&GS Nautical Chart

832, 1:40,000, latest print date 1/14/52

Hydrography was compiled by K. N. Maki and verified by C. B. Samuel 5/19/52.


K. N. Maki
Division of Photogrammetry
12 May 1952