

8980

ORIGINAL

Diag. Cht. Nos. 1110 & 1231-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey **TOPOGRAPHIC**

Field No. Office No. **T-8980**

LOCALITY

State **NORTH CAROLINA**

General locality **PAMLICO RIVER**

Locality **NORTH CREEK**

1951

CHIEF OF PARTY

E.R. McCarthy, Chief of Field Party

Arthur L. Wardwell, Tampa Photogrammetric

DATA RECORD

T -8980

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

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

Chief of Party: E. R. McCarthy

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 9 - 1951*Date reported to Nautical Chart Branch (IV): *3/21/51*

Applied to Chart No.

Date:

Date registered (IV): *22 Oct '52*

Publication Scale (IV): 1:24,000

Publication date (IV): 1951

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 (6) refer to sounding datum

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

Reference Station (III): SPRING, 1933

Lat.: 35°27' 00".837 (25.8m)

Long.: 76°42' 10".267 (258.9m)

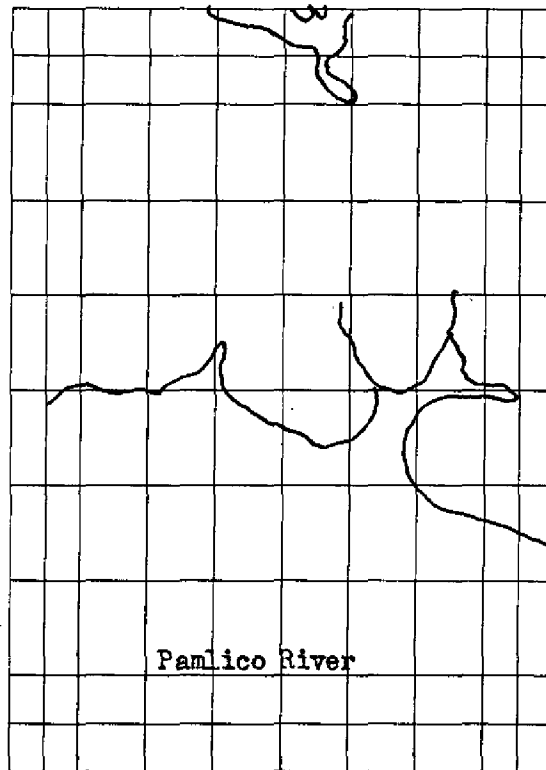
Adjusted

~~XXXXXX~~Plane Coordinates (IV): *Lambert*State: *NC*

Zone:

Y= ~~489 851.59~~
*626 687.20*X= ~~2593 217.54~~
*2 684 080.88*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)

All contouring done by:

Matthew A. Stewart
Cartographic Survey Aid

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
22175	29 March 1948	13:30	1:20,000	No Periodic Tide *
22176	"	13:32	"	"
22177	"	13:33	"	"
22222	"	15:14	"	"
22238	"	15:36	"	"
22239	"	15:37	"	"
22240	"	15:37	"	"
24129	21 December 1948	12:38	"	"
24130	"	12:39	"	"
(22221	29 March 1948	15:13	"	"
(Center not located by radial plot				

Tide (III)

Reference Station:

Subordinate Station:

Subordinate Station:

No periodic tide *

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Everett H. Ramey*Date: *19 Feb 1952*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

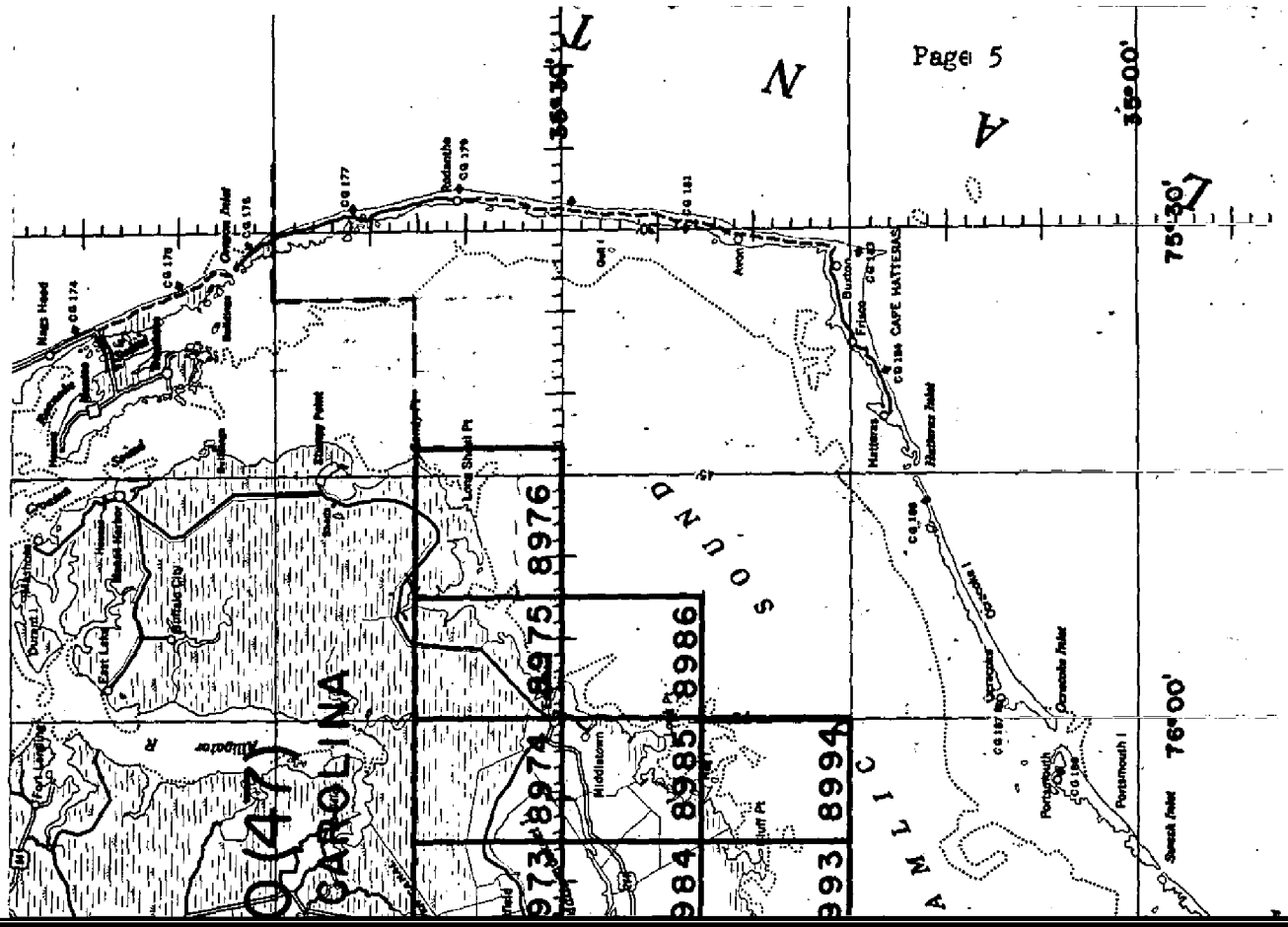
Land Area (Sq. Statute Miles) (III): *40*Shoreline (More than 200 meters to opposite shore) (III): *31*Shoreline (Less than 200 meters to opposite shore) (III): *13*Control Leveling - Miles (II): *44.2*Number of Triangulation Stations searched for (II): *7*Recovered: *5*Identified: *5*Number of BMs searched for (II): *0*Recovered: *0*Identified: *0*Number of Recoverable Photo Stations established (III): *3*Number of Temporary Photo Hydro Stations established (III): *0*

Remarks:

One new Triangulation Station established -

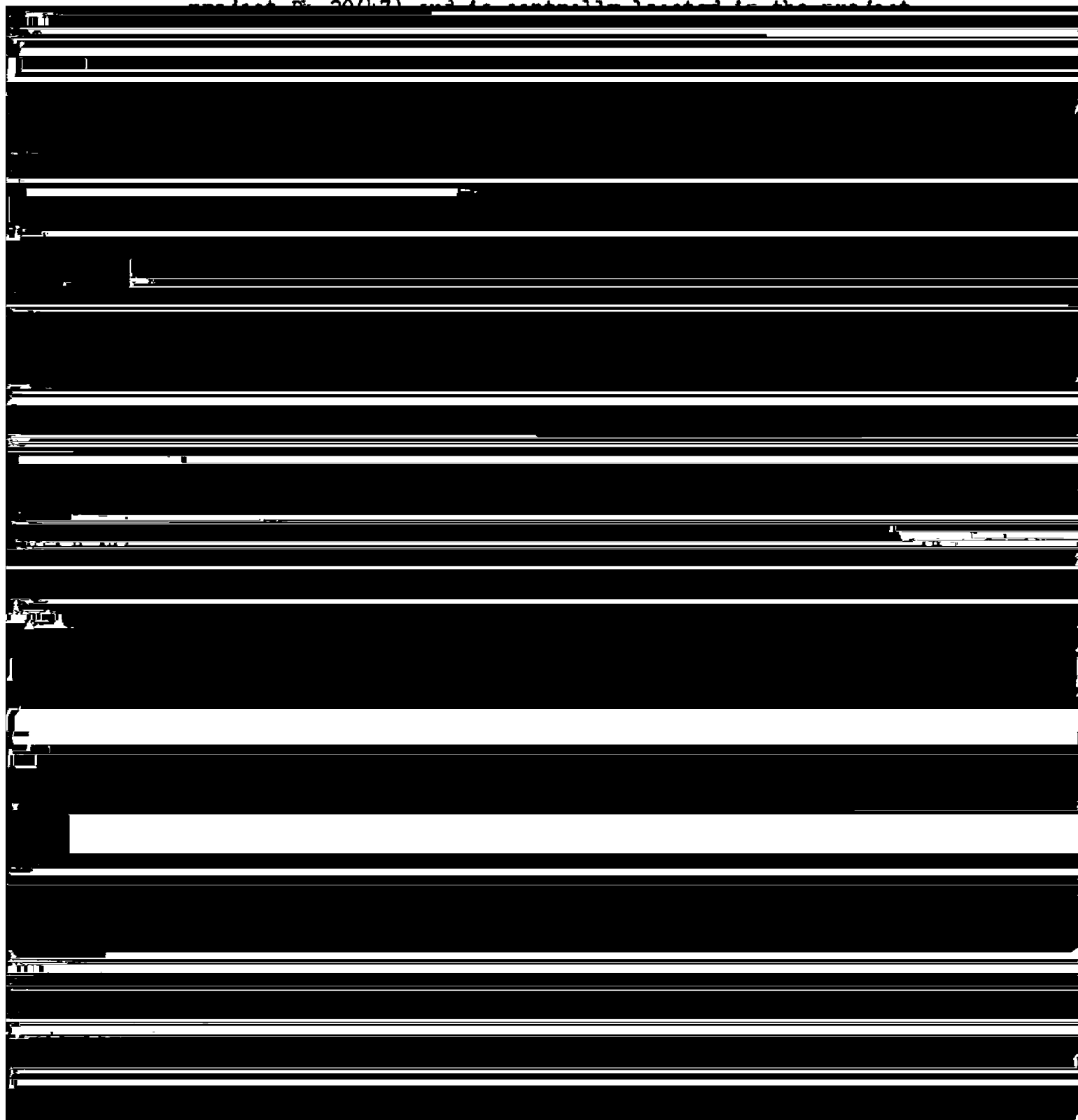
COUSIN 2 1949

* The periodic tide is negligible. *ENTR*
 (less than 1/4 foot)



SUMMARY TO ACCOMPANY T-8980

Topographic map T-8980 is one of 32 similar maps of



FIELD INSPECTION REPORT
 Quadrangle T-8980
 35-22.5/76-37.5/07.5

E. R. McCarthy, Chief of Party

The field work for this quadrangle was done in accordance with the Director's Instructions, Project Ph-20(47), Field, dated 23 July, 1948,* and other instructions, as herein noted. The field work was accomplished by:

* Copy filed in Div. of Photogrammetry.

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>	<u>Date</u>
M. A. Stewart	Levels	3-29-49	3-31-49
Cart. Sur. Aid.	Contours	3-29-49	6-17-49
	Field Inspection		
H. G. Murphy	Horizontal Control	4-26-49	
Cart. Sur. Aid	Recovery, Shoreline	4-29-49	

This report is written in accordance with Paragraph 784, of the Preliminary edition of the Topographic Manual dated June, 1949.

2. AREAL FIELD INSPECTION

This quadrangle lies north of the Pamlico River, is mostly wooded with scattered farms, and is low and flat close to the river. The land rises to 25' in the north section.

The quality of the photographs was satisfactory. No difficulty was encountered in interpretation.

The bridge over Pungo Creek on the Belhaven-Winsteadville Road is under construction and should be checked during field edit.

See item 60

The field inspection is believed to be complete, except as noted.

3. HORIZONTAL CONTROL

(a) Station COUSIN, 2, by Traverse from COUSIN, 1933.

(e) All stations were searched for and reported on Form 526.

The following stations were lost.

NORTH, 1914
 TURN, 1935

4. VERTICAL CONTROL

(a) There were no bench marks in this quadrangle.

(b) Fly levels began and closed on Third Order bench marks on Route #264 in Quadrangle T-8969. A closure of 0.53' was adjusted between points 80-1 and 80-11.

(c) 80-1 to 80-65.

5. CONTOURS AND DRAINAGE

Contouring was done on 1:20,000 nine-lens photographs. Contour interval was 5'.

Horizontal location of level points was determined by planetable traverse.

Drainage was outlined on the photographs with a stereoscope prior to contouring. During contouring operations this drainage was checked and corrected where necessary. All drainage leads toward the Pamlico River or its arms.

6. WOODLAND COVER

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

7. SHORELINE AND ALONGSHORE FEATURES

(a) Mean high-water line is as shown on the photographs.

Apparent shoreline is found chiefly along the streams that branch off from the Pamlico and Pungo Rivers.

(b) The mean low-water line coincides with the mean high-water line, as there is no periodic tide. *See remarks section of data record.*

8. OFFSHORE FEATURES

A wreck of a small 30' foot wooden barge was found in Ross Creek, a prong of North Creek. It was visited and found to bare 2' ^{*} above MHWL.

** Field photograph shows 1' above MHW. ENR*

9. LANDMARKS & AIDS

There are no land marks or aids to navigation in this quadrangle.

See item 57

10. BOUNDARIES, MONUMENTS AND LINES

For legal descriptions of all boundaries in the project, see "Special Boundary Report", which has been submitted by Mr. Wilber H. Nelson, and supplemental Boundary Report by Mr. A. J. Wraight, which will be submitted. *Both reports filed in Div. of Photogrammetry.*

There are no boundary monuments in this quadrangle.

11. OTHER CONTROL

Recoverable Topographic stations established are:

BAIL, 1949
BEND, 1949
BOATHOUSE, 1949

12. OTHER INTERIOR FEATURES

Inapplicable. *See item 60*

13. GEOGRAPHIC NAMES

This will be the subject of a special report^{*}, which will be submitted by Mr. A. J. Wraight.

** Filed in Geographic Names Section, Div. of Charts.*

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

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

15. SWAMP

Classification of swamp was completed during field inspection, and has been clearly shown on the photographs.

1 August 1949
Submitted by:

Matthew A. Stewart by JKW
Matthew A. Stewart
Cartographic Survey Aid

Approved:
23 September 1949

E. R. McCarthy
E. R. McCarthy
Chief of Party

Photogrammetric Plot Report

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.

COMPILATION REPORT T-8980

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-8992.

31. DELINEATION.

The graphic method was used.

The photographs were fair. No difficulty was encountered.

32. CONTROL.

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing all additional control necessary.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

No difficulty was encountered in transferring contours. *See item 53*

No difficulty was encountered in the delineation of drainage.

Reference Item No. 5.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

No low-water or shoal lines were shown.

36. OFFSHORE DETAILS.

Reference Item No. 8

37. LANDMARKS AND AIDS.

Light List, Intracoastal Waterway 1950 shows "Cousin Point Light 1".
The Field Editor has been asked to locate it. *See item 57*

38. CONTROL FOR FUTURE SURVEYS.

Three Forms 524 ^{*} are being submitted herewith, describing the
Recoverable Topographic Stations.

** Filed in Div. of Photogrammetry.*

A list of these stations has been noted in Item No. 49.

39. JUNCTIONS.

T-8967 to the north: In agreement.

T-8989 to the south: " "

T-8981 to the east : " "

T-8979 to the west is in agreement with the exception of contours at
Lat. $35^{\circ} 26'$. Junction will have to be made by field editor since con-
tour photographs 22222 and 22223 do not agree.

See "Junctions" Field Edit Report.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

There are no existing maps available at this office. *See item 62*

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with U. S. C. & G. S. Nautical Chart No. 537, scale 1:40,000 published September 1937 (4th edition) corrected to 26 December 1949 and U. S. C. & G. S. Nautical Chart No. 1231, scale 1:80,000 published November 1938 (8th edition) corrected to 10 May 1948 and found to be in good agreement except that an island has been formed at Chambers Point.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

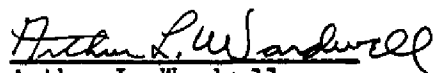
None.

ITEMS TO BE CARRIED FORWARD.

None.


Robert R. Wagner
Cartographer Photo Aid

Approved and Forwarded:


Arthur L. Wardwell
Chief of Party

49. NOTES TO HYDROGRAPHER.

There follows a list of topographic stations pertinent to the hydrographer:

BAIL, 1949

BEND, 1949

BOAT HOUSE, 1949

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8980

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. ~~XXXXXXXXXXXX~~ 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. ~~XXXXXXXXXXXX~~ 13. Rocks shoals J.G. ~~XXXXXXXXXXXX~~ 14. Bridges J.G. ~~XXXXXXXXXXXX~~ 16. Aids to navigation J.G. ~~XXXXXXXXXXXX~~ 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. ~~XXXXXXXXXXXX~~
J.G. ~~XXXXXXXXXXXX~~ 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. ~~XXXXXXXXXXXX~~

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 _____

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:

FIELD EDIT REPORT
Project Ph-20(47)
Quadrangle T-8980

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 and additions have been noted on the field edit sheet, field photographs 22175, 22176, 22177, 22221, 22222, 22223, and 24130. All work shown on these photographs is properly referenced on the discrepancy print or field edit sheet. All deletions have been noted on the field edit sheet.

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

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

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

52. ADEQUACY OF COMPILATION

The map compilation, in general, is adequate and will be complete after field edit data has been applied. *See item 66*

53. MAP ACCURACY

In general, the horizontal accuracy of the map detail is relatively good. *See item 66*

Contours were corrected in two areas by planetable methods; the remainder of the corrections, indicated on the field edit sheet, were made by visual inspection. All corrections were made to depict, as near as possible, the true topography of the terrain. *Also see item 56*

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.

56. CONTOURS AND DRAINAGE

Ref. to item 34 - Compilation Report.

Contour corrections have been made, on the field edit sheet throughout the entire area. All corrections were made to improve the topographic expression of the area. The established spot elevations on the photographs were used.

The majority of the drainage in this area is natural. ~~The drainage ditches are too narrow and too shallow to affect the contours on a map of this scale.~~ *ENR* X

57. AIDS TO NAVIGATION

Ref. to item 37 - Compilation Report.

One aid to navigation, Cousin Point Light, was located by theodolite cuts. Forms 567* and 24A** are submitted. The light was plotted on the field edit sheet.

** Copy attached. ** Filed in Div. of Photogrammetry.*

58. SHORELINE AND ALONGSHORE DETAILS

Ref. to item 35 - Compilation Report.

Numerous additional buildings and wooden piers have been shown on the field edit sheet, along the shores of Pungo Creek, North Creek, and the north shore of Pamlico River. A slight change in the shoreline was made by the addition of earth fills on both sides of the bridge over Jack Creek.

59. OTHER CONTROL

Ref. to item 11 - Field Inspection Report.

Topographic station "BOAT HOUSE, 1949" was pricked accurately on the photograph. However, the sketch of the pier, on Form 524, was not drawn correctly. The pier is in the shape of an "L" pointing eastward. The sketch on Form 524 has been corrected accordingly.

60. OTHER INTERIOR FEATURES

Ref. to item 12 - Field Inspection Report.

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

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

The position of the new road and bridge over Pungo Creek is correct. It is a fixed concrete bridge, with a horizontal clearance of 31.0 feet, and a vertical clearance of 14.0 feet.

The bridge over Jack Creek is a fixed concrete structure with a horizontal clearance of 23.0 feet, and a vertical clearance of 3.7 feet. An earth fill, with rock bulkhead, has been added on both sides of the bridge. These are the only bridges over navigable waters in this area.

JUNCTIONS

Satisfactory junctions have been made with T-8969 to the north, T-8981 to the east, T-8989 to the south, and T-8979 to the west.

8 June 1951
Submitted by:

James E. Hundley
James E. Hundley *H.E.H.*
Cartographer

12 June 1951
Approved by:

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS TO NAVIGATION FOR CHARTS

TO BE CHARTED
ON CHARTS
FOR BEING CHARTED

STRIKE OUT ONE

Washington, North Carolina

5 June 1951

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

The positions given have been checked after listing by

Rexford E. Smith Jr.

Tampa Photogrammetric Office

Harry F. Garber
Commander, US C & GS, Chief of Party.

STATE	NORTH CAROLINA				POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM						
				° ' "	D. M. METERS	° ' "	D. P. METERS							
LT.	COUSIN POINT LIGHT			35 24	1457	76 40	282	NA theodolite 1927 T-8988	1951	x				537

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

48. GEOGRAPHIC NAME LIST.

- ✓ BAILEY CREEK
 - ✓ BATH TOWNSHIP
 - ✓ BEAUFORT COUNTY
 - ✓ BETHANY CHURCH
 - ✓ BURBAGE CROSSROADS
 - ✓ BURBAGE GUT
 - ✓ CHAMBERS POINT
 - ✓ COCKRELL BEACH
 - ✓ COUSIN POINT
 - ✓ EAST FORK
 - ✓ EAST POINT
 - ✓ FARROW POINT
 - ✓ FRYING PAN CREEK
 - ✓ GAYLORD
 - ✓ GAYLORD BAY
 - ✓ HICKORY POINT ROAD
 - ✓ HOLLY GROVE CHURCH
 - ✓ ISLAND VIEW SHORES
 - ✓ JACK CREEK
 - ✓ JACKSON SWAMP
 - ✓ JORDAN CREEK
 - ✓ KELLY ROAD
 - ✓ LITTLE CREEK
 - ✓ LITTLE CREEK ROAD
 - ✓ LONG POINT
 - ✓ MARE POINT
 - ✓ MASONS HARBOR
 - ✓ MOORES BEACH ROAD
 - ✓ NORTH CAROLINA
 - ✓ NORTH CREEK
 - ✓ NORTH CREEK CHURCH
 - ✓ OLD MILL CREEK
- Ashon Gut.
- Cradle Point
- Garrett Gut
- Little Ease Creek

48. GEOGRAPHIC NAME LIST (CONTINUED)

✓ PAMLICO RIVER
✓ PANTEGO TOWNSHIP
✓ PINE CREST
✓ PUNGO CREEK

✓ RANSOMVILLE
✓ REST HAVEN
✓ RICHLAND TOWNSHIP
✓ ROSS CREEK
✓ RUMLEY MARSH

✓ SAGE GUT
✓ SANDY LANDING
✓ SIGNEY CHURCH
✓ SIDNEY CROSSROADS
D ✓ SPRING GREEN CHURCH
✓ ST CLAIR CREEK
✓ ST CLAIR CHURCH
✓ SULLIVAN POINT

REVIEW REPORT
Topographic Map T-8980
19 February 1952

62. Comparison with Registered Topographic Surveys:

T-1212	1:20,000	1870
T-1273	"	1873
T-6406	1:10,000	1935
T-6407	"	"
T-6408	"	"
T-6342	"	"
T-6413	"	"

There is evidence of some shoreline changes since these surveys were completed. Survey T-8980 is to supersede the above surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

None

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

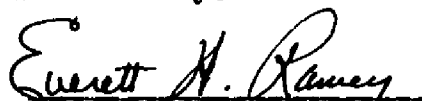
537	1:40,000	1937 corrected 51-6/11
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No changes requiring immediate attention. See item 47.

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. Ramsey

Approved:

A. V. Griffith
 Chief, Review Section *R.H.M.*
 Div. of Photogrammetry *7-10-53*

J. M. Edmonston
 Chief, Nautical Chart Branch
 Division of Charts *GH*

B. G. Jones Jr
 Chief, Div. Photogrammetry

Carl O. Heaton
 Chief, Div. Coastal Surveys *28.7*

History of Hydrographic Information
Quadrangle T-8980
Pamlico 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, 12 and 18-foot depth curves at mean low water datum originate with the following:

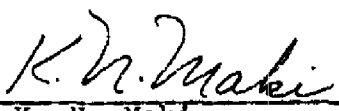
U.S.C. & G.S. Hydrographic Surveys:

H-5873 (1935)	1:10,000
H-5918 (1935)	1:10,000
H-5919 (1935)	1:10,000
H-5941 (1935)	1:10,000

U.S.C. & G.S. Nautical Charts:

537	1:40,000	latest print date	6-11-51
1231	1:80,000	" " "	11-12-51

Hydrography was compiled by K. N. Maki and verified by R. E. Elkins.


K. N. Maki
Div. of Photogrammetry
5 March 1952