

8978

Diag. Cht. No. 537 & 1110

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-20(47) Office No. T-8978

LOCALITY

State NORTH CAROLINA

General locality PAMLICO RIVER

Locality BLOUNTS BAY

1948-51

CHIEF OF PARTY

R.J. Sipe, Chief of Field Party.

A.L. Wardwell, Tampa Photogrammetric Office.

LIBRARY & ARCHIVES

DATE

JUL 13 1954

B-1870-1 (1)

8978

DATA RECORD

T - 8978

Project No. (II): Ph-20(47)      Quadrangle Name (IV):

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

Chief of Party: Riley J. Sipe

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): Not applicable

Scale Factor (III): None

Date received in Washington Office (IV): 8-14-50      Date reported to Nautical Chart Branch (IV): 8-16-50

Applied to Chart No.

Date:

Date registered (IV): 26 Feb 1954

Publication Scale (IV):

Publication date (IV):

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): MAULS POINT 2, 1914

Lat.:  $35^{\circ} 26' 54''.551$  (1681.2m)      Long.:  $76^{\circ} 55' 33''.174$  (836.6m)

Adjusted

~~100000000~~

Plane Coordinates (IV):

State: N. Car

Zone: No 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.





DATA RECORD

Field Inspection by (I): Milton B. Cram, Engr. Aid

Date: 27 Jan 1949

Planetable contouring by (II): Milton B. Cram

Date: 2 Feb 1949

Completion Surveys by (II): Jas. E. Hundley

Date: 23 Feb 1951

" " " (contour revision)

23 Jan 1953

Mean High Water Location (III) (State date and method of location): 30 Mar 1948  
Aerial photo compilation

Projection and Grids ruled by (IV): W.E.W. (Washington Office)

Date: 28 June 1948

Projection and Grids checked by (IV): W.E.W. (Washington Office)

Date: 28 June 1948

Control plotted by (III): R. R. Wagner

Date: 12 Oct 1948

Control checked by (III): B. F. Lampton

Date: 21 Oct 1948

Radial Plot ~~or Stereoscopic~~

Date: 30 Dec 1949

~~Control extension~~ by (III): M. M. Slavney

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Not applicable

Contours

Date:

Manuscript delineated by (III): J. C. Richter

Date: 21 Mar 1950

Photogrammetric Office Review by (III): J. A. Giles

Date: 22 May 1950

Elevations on Manuscript

Date: 20 Mar. 1950

checked by (II) (III): J. C. Richter



Camera (kind or source) (III): U.S.C.&G.S. 9 Lens  $8\frac{1}{4}$ " Focal length

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
22338	30 Mar 48	-	1:20,000	No periodic *
22339	"	-	-	Tide

## Tide (III)

Reference Station:

Subordinate Station: ~~No periodic tide~~ \*

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Exercett H. Ramey*Date: *8 Sept 1953*Final Drafting by (IV): *Geol. Survey*

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

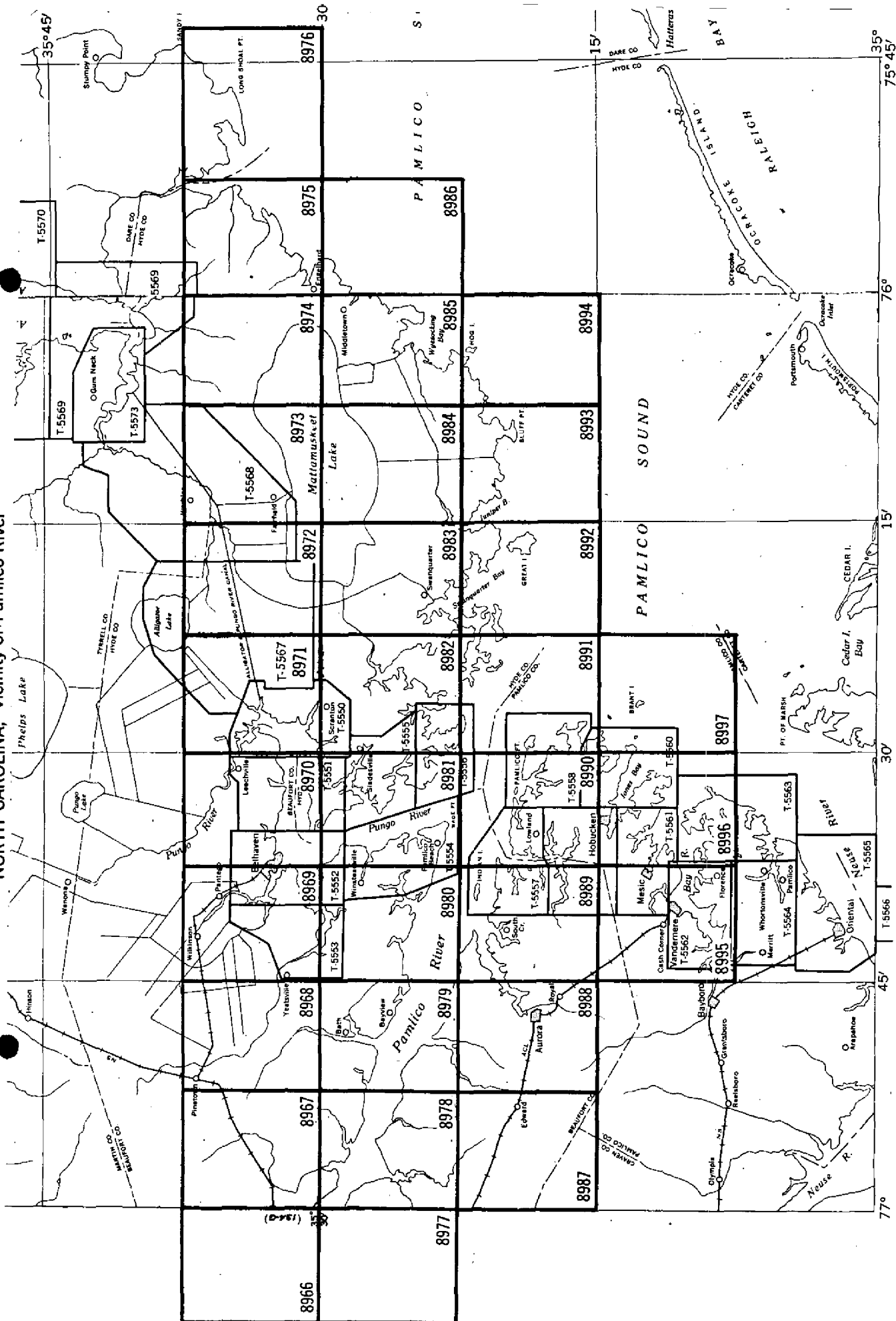
Land Area (Sq. Statute Miles) (III): *45.5*Shoreline (More than 200 meters to opposite shore) (III): *29.5*Shoreline (Less than 200 meters to opposite shore) (III): *10.1*Control Leveling - Miles (II): *53.0*Number of Triangulation Stations searched for (II): *28*Recovered: *14*Identified: *7*Number of BMs searched for (II): *2*Recovered: *2*Identified: *2*Number of Recoverable Photo Stations established (III): *2*Number of Temporary Photo Hydro Stations established (III): *None*

Remarks:

\* Tide is less than  $\frac{1}{2}$  foot. *ENR*

## PH-247)

**NORTH CAROLINA, Vicinity of Pamlico River**





## Summary to Accompany Topographic Map T-8978

Topographic map T-8978 is one of 32 similar maps of project Ph-20(47) and is located in the western part of the project. It covers a portion of the Pamlico River which includes Blounts Bay and some adjacent land area. The entire area is within Beaufort County.

Project Ph-20(47) is a graphic compilation project. Field work in advance of compilation included complete field inspection, the recovery and identification of control, contouring directly on the photographs by plane-table methods and the investigation of boundaries and geographic names.

Map T-8978 was compiled at a scale of 1:20,000 using photographs taken in 1948. It covers  $7\frac{1}{2}'$  in latitude by  $7\frac{1}{2}'$  in longitude. The map was field edited in 1951 with additional contour revision in 1953. After the addition of hydrographic information, the map will be forwarded to the Geological Survey for publication as a standard topographic quadrangle.

Items registered under T-8978 will include the descriptive report, a cloth-mounted lithographic print of the map manuscript at a scale of 1:20,000 and a cloth-mounted color print of the published map.

FIELD INSPECTION REPORT  
 Quadrangle T-8978  
 (35 22' 30" / 76 52' 30")  
 Project Ph-20(47)

Riley J. Sipe, 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 noted herein. The field work was accomplished by the following personnel:

<u>Name &amp; Title</u>	<u>Phase</u>	<u>Started</u>	<u>Completed</u>
M. A. Stewart Engineering Aid	Third Order Levels	9-9-47	10-30-47
M. B. Cram Engineering Aid	Levels	8-20-48	12-27-48
	Contours	9-15-48	2-2-49
	Horizontal Control	7-30-48	9-28-48
	Recovery and Identification	7-30-48	9-28-48
	Field Inspection	9-15-48	1-27-49

1. DESCRIPTION OF THE AREA

This quadrangle is located in Beaufort County, North Carolina. The Pamlico River, flowing east and west, divides the land area into north and south sections. The major portion of the south section is comprised of various drainage into Blounts Creek, which drains into the Pamlico River. The north portion of the quadrangle is drained by Broad and Upper Goose Creeks, which flow into the Pamlico River.

North Carolina State Highway No. 33 passes through the southwestern portion of the quadrangle and North Carolina State Highway No. 92 passes through the northeastern corner.

There are two small settlements<sup>\*</sup> within the limits of the Quadrangle; Blounts Creek in the south portion and Bunyon in the north portion. *\*Except for small settlements along Pamlico River, the entire area is rural. Sec 531. EWR*

2. COMPLETENESS OF FIELD INSPECTION

Field inspection of the quadrangle is complete and all features are adequately classified and identified on the photographs.



### 3. INTERPRETATION OF THE PHOTOGRAPHS

No difficulties were encountered in interpretation of the photographs but attention is called to the dark, circular, areas in the north portion of the quadrangle, which ~~were caused by meteors and do not necessarily have drainage~~, do not necessarily have drainage. This phenomenon has been a controversial issue with scientists in recent years.

### 4. HORIZONTAL CONTROL some believing it to have been caused by a meteor.

All known horizontal control were searched for and forms 526 submitted for each station. A sufficient number of stations were identified to control ~~of~~ the radial plot.

SW  
11/17/50

No supplemental control was established during field inspection.

### 5. VERTICAL CONTROL

There ~~is one~~ <sup>are two</sup> third order bench marks in the quadrangle, <sup>only one of which was recovered.</sup> Fifty-three miles of fly levels were run to furnish supplemental control for <sup>See 557</sup> contouring.

### 6. CONTOURS AND DRAINAGE

Contouring was done on nine lens photographs at 1:20,000 scale, by planetable methods, at a five foot <sup>approximately</sup> contour interval. The elevations in the quadrangle range from 1 to 57 feet above mean sea level; the highest ground being found in the southeastern section.

The Pamlico River is bordered on the south side by 25-30 foot banks and Blounts Creek affords a great deal of drainage. The north side of the river is quite flat and is covered with ~~meteor holes~~ <sup>depressions</sup> that vary from ~~2~~ 3 to 4 feet from perimeter to center.

### 7. MEAN HIGH-WATER LINE

Mean high-water line is as photographed.

### 8. MEAN LOW-WATER LINE

Mean low-water line is the same as mean high-water line because there is <sup>very slight</sup> no periodic tide in the Pamlico River.

### 9. WHARVES AND SHORELINE STRUCTURES

Adequately covered by photographs.



-5-

10. DETAILS OFFSHORE FROM THE HIGHWATER LINE

There were no details off shore, except, a few temporary duck blinds, which have been disregarded.

11. LANDMARKS AND AIDS TO NAVIGATION

No landmarks exist in the quadrangle. Non-floating aids to navigation were located by theodolite cuts from triangulation stations.

*Forms 567 submitted.*

12. HYDROGRAPHIC CONTROL

Control was identified in accordance with the Director's Instructions, Project Ph-20(47), Field, dated 23 July 1948.

13. LANDING FIELD AND AERONAUTICAL AIDS

There are no landing fields or aeronautical aids in this quadrangle.

14. ROAD CLASSIFICATION

All roads were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, as amended 24 October 1947.

15. BRIDGES

All bridge information for the area covered by this report, as listed in the U. S. Engineers' List of Bridges Over Navigable Waters in the U.S., dated 1 July 1941, was verified in the field. All clearances were carefully measured with a steel tape and the published descriptions and clearances were found correct except for the following discrepancies; which were reported to the local District Engineer:

" Blount Creek, N.C."

BRIDGE BOOK

Horizontal Clearance - 33 ft.

Vertical Clearance - 14 ft.

(M.H.W.)

U.S.C. & G.S. FIELD INSPECTION

Horizontal Clearance - 39 ft.

Vertical clearance - 17.6 ft.

(M.H.W.)

16. BUILDINGS AND STRUCTURES

The field inspection of buildings and structures was completed in accordance with the Director's letter dated 9 September 1948 and prior to receipt of Photogrammetry Instructions No. 29 dated 1 October 1948.



- 4 -

17. BOUNDARY MONUMENTS AND LINES

For description of all boundary monuments and lines in this project, see special boundary report<sup>\*</sup> that will be submitted at a later date. See § 58

*\* Report by Wilber H. Nelson filed with project data in Div. of Photogrammetry.*

18. GEOGRAPHIC NAMES

This will be the subject of a special report<sup>\*</sup> that will be submitted at a later date.

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

Submitted:

3 February 1949

*Milton B. Cram*Milton B. Cram  
Engineering Aid

Approved:

3 February 1949

*Riley J. Sipe*  
Riley J. Sipe  
Chief of Party✓  
*S.M.*

PHOTOGRAMMETRIC PLOT REPORT

This report covering surveys T-8966 through T-8968 and T-8977 through T-8979 is filed as part of the Descriptive Report for T-8967.



MAP T-8978

PROJECT NO. Ph-20(47)

SCALE OF MAP 1: 20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD (BACK)		FORWARD (BACK)	FORWARD (BACK)
BROAD, 1935	G.P.s P. 264	N.A. 1927	35 29 28.578 76 57 36.816			880.7 ( 968.4 ) 928.0 ( 584.4 )	
PORT, 1931	Sp. Pub. # 218 P. 13	"	35 28 23.239 76 59 25.776			716.2 (1132.9) 649.9 ( 862.9 )	
UPPER, 1933	G.P.s P. 414	"	35 28 20.878 76 56 29.863			643.4 (1205.7) 752.9 ( 759.8 )	<del>Destroyed</del> <i>SKR</i>
GOOSE, 1935	" P. 264	"	35 28 48.784 76 54 32.145			1503.4 ( 345.7 ) 810.4 ( 702.2 )	
WIDE, 1935	" P. 418	"	35 27 28.459 76 58 32.360			877.0 ( 972.0 ) 816.0 ( 697.0 )	
TAME, 1933	" P. 414	"	35 27 35.513 76 53 02.602			1094.4 ( 754.6 ) 65.6 (1447.3)	
BLOUNT, 1933	" P. 414	"	35 26 54.497 76 55 33.306			1679.5 ( 169.6 ) 839.9 ( 673.2 )	
MAUL PT 2, 1914	" P. 420	"	35 26 54.551 76 55 33.174			1681.2 ( 167.9 ) 836.6 ( 676.5 )	
JAMES, 1933	Sp. Pub. 218 P. 13	"	35 26 12.054 76 59 53.543			371.5 (1477.6) 1350.5 ( 162.9 )	
TRIPP, 1933	G. Ps P. 414	"	35 25 52.043 76 53 33.219			1603.9 ( 245.2 ) 837.9 ( 675.6 )	
GERARD, 1935	G. Ps P. 263	"	35 25 03.959 76 57 39.446			122.0 (1727.1) 995.2 ( 518.6 )	
WEST, 1935	" P. 263	"	35 23 56.391 76 57 42.801			1737.9 ( 111.2 ) 1080.0 ( 434.0 )	

1 FT. = 3048006 METERS  
COMPUTED BY: B.F. Lampton

DATE 22 September, 1948

CHECKED BY: R.R. Wagner

DATE 24 September 1948

M-2388-12



1 FT. = 3048006 METER  
COMPUTED BY: B.F. Lampton  
DATE: 22 September 1948  
CHECKED BY: R.R. Wagner  
DATE: 24 September 1948  
M. 2388-12



## COMPILATION REPORT T-8978

See also Supplemental  
Compilation Report

PHOTOGRAMMETRIC PLOT REPORT

This report will be submitted with T-8967. *Filed as part of Descriptive Report for T-8967.*

31. DELINEATION

The manuscript was delineated by graphic methods. The photographs and field inspection were adequate for delineation. Although recovered during field inspection, a number of class seven roads have not been delineated; this is in accordance with Topographic Manual, Part II Chapter V, last paragraph page 70.

Refer to Item 1 paragraph 3. The two small settlements (Bunyon and Blounts Creek) do not fall on this manuscript. Bunyon is on T-8666 to the north and Blounts Creek falls on T-8987 to the south.

Refer to Item 5. There are two third order bench marks in the quadrangle.

32. CONTROL

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing additional control necessary in the delineation of this map manuscript.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

No difficulty was encountered in transferring contours.

Due to the density of trees along streams many streams were delineated as P D U and much of the drainage does not agree with the contours. *Sec 358*

All discrepancies have been noted for the field editor.



35. SHORELINE AND ALONGSHORE DETAILS

All shoreline and alongshore detail were taken from the photographs. The shoreline inspection was very good for delineation.

No low-water or shoal lines were shown.

36. OFFSHORE DETAILS

No statement

37. LANDMARKS AND AIDS

No landmarks appear on this quadrangle. Three non-floating aids were located.\* No unusual methods of compilation were employed.

\* Forms 567 attached. See §56.

38. CONTROL FOR FUTURE SURVEYS

Two forms 524 with scaled positions are being submitted herewith as part of this report.

A list of these stations is included in Item 49.

39. JUNCTIONS

Junction has been made to the south with T-8987 and is in good agreement except for a swamp and contour area that will be clarified by the field editor.

T-8967 to the north: in agreement

T-8977 to the west: in agreement

T-8979 to the east: in agreement

See §67

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

See §53

46. COMPARISON WITH EXISTING MAPS

There are no existing maps available for this area.

See §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 1 August 1949 and found to be in good agreement except for Hills Point which has changed. The sharp point of land extending out into Pamlico River no longer exists.

See § 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

*John C. Richter*John C. Richter  
Cartographic Photo Aid

Approved and Forwarded

*Arthur L. Wardwell*  
Arthur L. Wardwell  
Chief of Party

✓



**COMPILATION**  
SUPPLEMENTAL REPORT FOR T-8978  
**1**

The recompilation of this survey was accomplished by following instructions contained in a letter from Chief, Photogrammetry Division, dated 29 January 1953, 78-aal. A copy of the letter is attached.

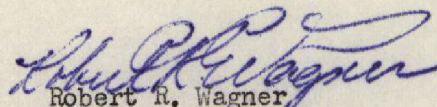
The projection was ruled by J. Allen and was checked by H. D. Wolfe on 20 January 1953. Due to distortion the two projections did not agree. Adjustments were made within each minute when tracing the planimetric details.

The revision of swamp limits was delineated as indicated by the Washington Office on field print 22179.

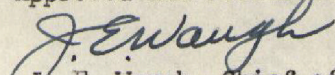
The contours were transferred to the new manuscript with the use of the projector. The contours were changed in some places. Most of the discrepancies ~~are~~ <sup>were</sup> spot elevations on the photographs that ~~did~~ not agree with the contours on the overlays. The largest changes are noted on an ozalid print made from the original manuscript. <sup>\*</sup> It is believed that had the contouring been done directly on the photographs, instead of the overlays, some of these differences would have been avoided.

*\* These changes minor and warranted. STR*

Junctions with the four adjoining manuscripts were compared with ozalid prints made after field edit and prior to the final review by the Washington Office. Junctions with these four adjoining manuscripts are to be made in the Washington Office. (Letter from Chief, Photogrammetry Division, dated 4 August 1953, 78-aal - Copy Attached). The junction which appears to have the largest discrepancies is to the south with Survey T-8987. Contours and swamp limits are in poor agreement and will need to be revised. The details along the junction to the east with Survey T-8979 will need revision also. To effect this junction, changes are necessary to the Long Acre - Bath Township line, a Road 7, swamp limits and contours. Small adjustment of contours and swamp limits along the junction line to the north with Survey T-8967 and to the west with Survey T-8977 will bring these surveys into agreement. See § 67

  
Robert R. Wagner  
Cartographic Photo. Aid

Approved and Forwarded

  
J. E. Waugh, Chief of Party



49. NOTES FOR THE HYDROGRAPHER

There follows a list of topographic stations:

ESTO 1948  
HALE 1948

Wrecks\* in Blounts Creek should be located by the hydrographer if they still exist.

\* Several wrecks were located during the field edit. *ENR*



FIELD EDIT REPORT  
Project PH-20(47)  
Quadrangle T-8978

51. METHODS

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

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

Corrections and additions have been noted on the field edit sheet and field photographs numbered 22338 and 22339. All work shown on the photographs is properly referenced on the 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 and in this report.

A legend appears on the field edit sheet indicating the different colored inks used for the various additions, corrections, and deletions.

The actual field work was accomplished in January, 1951.

52. ADEQUACY OF COMPILATION

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

53. MAP ACCURACY

In general, the horizontal accuracy of the map detail is relatively good. However, in several small areas scattered throughout the quadrangle, contours on the slopes of drains and adjacent to areas of swamp were found to be horizontally displaced from 50 ft. to 950 ft. The largest errors were found in the vicinity of Sheppard Run and Herring Run.

The vertical accuracy of contours checked by the field editor vary from 1 foot to 26 feet.



Two vertical accuracy tests were made in this area. The combined results of these two tests are as follows:

Fifty-nine points on contours were tested and 35% were in error by 1 foot or less; 14% in error by 1 foot to 1/2 contour interval; 24% in error by 1/2 to 1 full contour interval; and 27% in error over 1 contour interval.

See Report on  
Contour Revisions  
&  
§68

Corrected contours in the area covered by Vertical Accuracy Test No. 1 and along the south bank of the Pamlico River W.N.W. of Tripp Point are shown on a separate overlay attached to the field edit sheet. All other contour corrections have been shown on the field edit sheet.

#### 54. RECOMMENDATIONS

None.

#### 55. EXAMINATION OF PROOF COPY

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

#### Ref. to Item 48 - Compilation Report

A spot check of geographic names was made and found to be in excellent agreement with the geographic name list.

St. Union Church has been properly located on the field edit sheet.

Washington Yacht & Country Club, Incorporated, is the correct name for the country club and golf course, as indicated on the field edit sheet. This name appears on a placard at the Country Club and is on record in the Register of Deed's Office, Beaufort County Court-house, Washington, North Carolina.

#### 56. AIDS TO NAVIGATION

Ref. to Item 11 - Field Inspection Report.

One additional fixed aid to navigation, BROAD CREEK ENTRANCE LIGHT, was located by theodolite cuts. Forms 24A and 567 are submitted. This aid has been plotted graphically on the field edit sheet.

#### 57. VERTICAL CONTROL

Ref. to Item 5 - Field Inspection Report.

B.M. J242 was recovered without difficulty, and Form 685A is submitted.



In regards to the Level Record for this quadrangle, it is difficult to reconcile the relative merits of some of the elevations established. For example, an elevation of 34.10 ft. was established at pt. 78-30 by the field editor from a closed loop level line run from BM F242, quadrangle T-8987, with an error of closure of 0.11 ft. The Level Record indicates an elevation of 35.37 ft. (See Page 11 - Level Record.)

#### 58. BOUNDARY LINES

Ref. to Item 17 - Field Inspection Report.

The corrected township boundary lines shown on the field edit sheet were taken from a map, certified to be correct, in the Beaufort County Tax Collector's Office, Washington, North Carolina.

The boundary lines of the Washington Yacht and Country Club, Incorporated, as shown on the field edit sheet, were plotted from a deed recorded in Deed Book 388, page 479, in the Register of Deeds Office, Beaufort County Courthouse, Washington, North Carolina.

#### 59. DRAINAGE

Ref. to Item 34 - Compilation Report.

All streams labeled P.D.U., lying in areas labeled swamp, on the north side of Pamlico River, have been deleted since they are unimportant.

Ref. to Item (D) On Discrepancy Print.

The majority of the farm ditches in this project are too narrow and too shallow to be of any importance to a map of this scale. They are about 2 ft. wide and 2 to 3 ft. deep, but appear wider on the photographs due to vegetation left growing on both sides.

Ref. to Reviewer's Question On Discrepancy Print Regarding Irregular Contours.\*

These contours are a bit too expressive, however, this particular area has had a considerable amount of erosion in the past, more so than the other drainage areas in the remainder of the quadrangle.

An overlay sheet of this vicinity is submitted indicating the manner in which the contours should be shown.

\* Area recontoured in 1953. See Report "Contour Revisions"



60. JUNCTIONS

Junctions have been made, and are in good agreement with T-8967 to the north, T-8979 to the east, T-8987 to the south, and T-8977 to the west. See §67

23 February 1951

Submitted by:

*James E. Hundley*  
James E. Hundley, *J.E.H.*  
Cartographer

20 March 1951

Approved by:

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



CONTOUR REVISIONS  
PROJECT PH-20(47)  
QUADRANGLE T-8978

The revision of the contours, in this particular quadrangle, was made by request of the Washington Office due to the fact that the original work did not meet the standard accuracy of topographic maps.

The work was accomplished by one four-man field edit party. Actual field work was started 9 December 1952 and completed 23 January 1953.

METHODS

All contour revisions, north of the Pamlico River, were made directly on the old contour photographs, numbers 22179 and 22180. The contour expression in this relatively flat area has been improved, but, junction discrepancies with Quadrangle T-8967 have been introduced. It is suggested that these contours be compiled as revised and a junction adjustment made by the Washington Office Review Section.

The compiler should change the swamp delineation to conform with the revised contours as illustrated on original contour photograph No. 22179.

The contour revisions south of the Pamlico River were made in the following manners: The drainage patterns were outlined by stereoscope on a copy of the original photographs and an acetate overlay made of same. This copy of the original photograph was then taken to the field and planetable traverses were run in areas parallel to the main drainage. This was done in order to be able to outline the innumerable side drains which had been overlooked in the course of the original contouring of this area. In view of the fact that it was impractical, due to scale, to attempt to show all the side drains and ravines, some were omitted, and in some instances it will be noted that the revised contours along these ravines had to be displaced somewhat in order to be shown.

The majority of the contour revisions have been shown on acetate overlays of the original contoured photograph, with the drainage patterns and additional elevations transferred from a copy of the original photograph. Using these additional elevations in conjunction with the original ones the contours were revised.



In one area the contour revisions were made directly on a copy of the original photograph, i.e. No. 22235. In another area the contour revisions were made on acetate overlays of a copy of the original contour photograph, i.e. No. 22339.

Junction discrepancies with Quadrangles T-8977, T-8979 and T-8987 have been introduced, the majority being minor. It is suggested that these contours be compiled as revised and a junction adjustment made by the Washington Office Review Section.

See § 67  
§ 68

23 January 1953,  
Submitted by:

*James E. Hundley*  
James E. Hundley,  
Cartographer  
by P.T.

27 January 1953  
Approved by:

*Paul Taylor*  
Paul Taylor  
Lt. Comdr., USC&GS  
Chief of Party



## 50 PHOTOGRAMMETRIC OFFICE REVIEW

T- 8978

1. Projection and grids JG 2. Title JG 3. Manuscript numbers JG 4. Manuscript size JG

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG ~~XXXXXXXXXXXXXXXXXXXX~~ 8. Bench marks JG  
9. Plotting of sextant fixes JG 10. Photogrammetric plot report JG 11. Detail points JG

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line JG 14. Rocks, shoals, etc. JG 15. Bridges JG 16. Aids to navigation JG 17. Landmarks JG 18. Other alongshore physical features JG 19. Other along-shore cultural features JG

## PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. Planetable contours JG ~~XXXXXXXXXXXX~~  
~~XXXXXXXXXXXX~~ 24. Contours in general JG 25. Spot elevations JG 26. Other physical features JG

## CULTURAL FEATURES

27. Roads JG 28. Buildings JG 29. Railroads JG 30. Other cultural features JG

## BOUNDARIES

31. Boundary lines JG ~~XXXXXXXXXXXXXXXXXXXX~~

## MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG40. Jesse A. Giles Wm. A. Rasure (for) 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.

Richard D. Reese William A. Rasure  
Compiler Supervisor

43. Remarks:



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS ORIENTATIONS FOR CHARTS

PHOTOGRAMMETRIC REVIEW SECTION  
TO BE CHARTED

**STRIKE OUT ONE**

Washington, D. C.  
5 Jan 1949

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

**John C. Richter**

Tampa Phot. Office

**Riley J. Sipe**, *Chief of Party,*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks are ☐ *nonfloating* ☐ *floating*. If redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by other means. Information under each column heading, should be given.







COPY

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

78-aal

POST-OFFICE ADDRESS:

29 January 1953

TELEGRAPH ADDRESS:

PRESS ADDRESS:

To: Officer in Charge  
Tampa Photogrammetric Office  
U. S. Coast and Geodetic Survey  
P. O. Box 1689  
Tampa, Florida

Subject: Redrafting of map manuscript T-9978, Project Ph-20

Within the next few days you will receive field edit revision data for the subject map.

The ~~map~~ manuscript for this map is in rather bad condition and it is doubtful that it can be revised to include the field edit corrections and still provide good reproduction copy. A new projection is therefore being prepared which will be forwarded to you with the old manuscript for your use in the preparation of a new map manuscript.

It is suggested that you assign this work to a very careful draftsman or compiler in your office and the manuscript be recompiled in more or less the following manner:

1. Trace the planimetric details <sup>from</sup> ~~for~~ the old manuscript to the new projection.
2. Contouring must be transferred to the new map manuscript from the photographs and acetate overlays prepared by the field edit party. The acetate overlays are referenced to detail points on the photographs. The transfer of the contours from the photographs and overlays should be done in accordance with standard compilation practices.
3. The new manuscript should be reviewed at your office to the extent necessary to cover the additional work called for in this letter, that is, to verify the transfer of planimetric information and to verify the recompilation of contours.

If, after you have examined the field edit materials, questions arise which are not anticipated by this letter or which require further instruction, please do not hesitate to notify this office promptly.

/s/ L. W. Swanson  
for O. S. Reading,  
Chief, Div. of Photogrammetry

COPY



COPY

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

POST-OFFICE ADDRESS:

78-aal

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

4 August 1953

To: Lt. Comdr. Joseph E. Waugh  
U. S. Coast and Geodetic Survey  
P. O. Box 1689  
Tampa, Florida

Subject: Map manuscript T-8978, Project Ph-20

Reference: Your letter dated 31 July 1953

Please do not attempt to complete the junction of map manuscript T-8978 with adjacent quadrangles in your office. The adjacent quadrangles have been forwarded to the U. S. Geological Survey for publication, the proofs have been received and returned to the Geological Survey, and published copies received on one of them. This office will have to reconcile the discrepancies with the Geological Survey in some manner agreeable to all parties concerned.

(Signed) B. G. Jones for  
O. S. Reading,  
Chief, Div. of Photogrammetry

COPY



48. GEOGRAPHIC NAME LIST

- ALLIGATOR GUT
- ATLANTIC COAST LINE R R (Washington & Vandemere)
- BATH TOWNSHIP
- BEAUFORT COUNTY
- BLOUNT BAY
- BLOUNT CREEK
- BLOUNT CREEK BRIDGE
- BROAD CREEK
- BROAD CREEK POINT
- BUCKHORN COVE
- CAMP HARDEE
- CAMP LEACH
- CAMP LEACH ROAD
- CEDAR POINT
- CHOCOWINITY TOWNSHIP
- COON GUT
- COTTON PATCH LANDING
- CORE POINT ROAD
- COX SWAMP
- DINAH LANDING
- DUPREE CREEK
- ELIZABETH CHAPEL
- EPHESUS CHURCH
- FLATTY CREEK
- GERARDS CHAPEL
- GERARD LANDING
- GILEAD
- GILEAD ROAD
- GREAT GUT
- HERRING RUN
- HILLS POINT
- JACK CREEK
- LEWIS GUT
- LITTLE CREEK
- LITTLE GOOSE CREEK
- LONG ACRE TOWNSHIP
- LONG POINT



## GEOGRAPHIC NAME LIST (continued)

• MALLARD CREEK  
 • MARTIN GUT  
 • MAULS POINT  
 • MAULS POINT ROAD

• NANCY RUN  
 • NEVIL CREEK  
 • NORTH CAROLINA

• OLD BLOUNTS CREEK ROAD

• PAMLICO RIVER

• RAGGED POINT  
 • RED BUG POINT  
 • RICHLAND TOWNSHIP  
 • RIVER ACRES  
 • ROBINSON POINT

RIVER ROAD

• SHADY BANKS  
 • SHEPPARD RUN  
 • SPARROW EAY  
 • STATE NO 337 see below  
 • STATE NO 921

• ST FRANCIS CHURCH

• ST JOHN'S CHURCH

• ST UNION CHURCH (to be located by ~~Fd.~~ Ed.)

• TAYLOR GUT  
 • TOLLER ROAD  
 • TRIPP POINT

• WARE CREEK CHURCH  
 • WARE CREEK SCHOOL (colored)

• YELLOW BANK GUT  
 • YEATS CREEK

• N.C. 33

WASHINGTON YACHT & COUNTRY CLUB INC.

• N.C. 92

Names approved,  
 subject to Field Edit

11-14-50

A. J. W.

Rechecked & approved after F.E., A. J. W. 8-2-53



Review Report  
Topographic Map T-8978  
8 September 1953

62. Comparison with Registered Topographic Surveys.-

T-6410	1:10,000	1935
T-6461	"	"
T-6465	"	"

There is evidence of erosion since the date of these surveys. There is also a different interpretation of swamp limits. Very small islets along the north shore of the Pamlico River on T-6410 and T-6461 were not mapped by this survey. They apparently no longer exist.

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

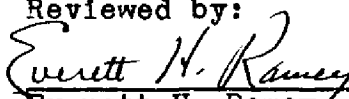
Items listed under sub-heading 62 above also apply to this chart. Chart shows many offshore structures not mapped by this survey. See sub-heading 10. This survey shows additional shoreline structures not charted.

66. Adequacy of Results and Future Surveys.-This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Junctions.-Junctions with adjacent surveys were accomplished during the final review. This primarily was for contours as junctions with planimetry was accomplished during the original compilation. Junctioning required slight shifting and reshaping of contours.

68. Field Edit and Contour Revisions.-Because contouring was substandard in many areas at the time of field edit (see sub-heading 53), a party revised contours throughout the quadrangle in 1953. This party's function was strictly contouring and other features were not edited. The data for field edit of the map is 1951, the 1953 work being considered as a contour-revision assignment.

Reviewed by:

  
Everett H. Ramey



APPROVED

*S. V. Gifford* 5/25/1954  
\_\_\_\_\_  
Chief, Review Branch  
Div. of Photogrammetry

*O. S. Reading*  
\_\_\_\_\_  
Chief, Div. of Photogrammetry

*H. W. Edmonstone*  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Division of Charts <sup>OPN</sup>

*Carl O. Heaton*  
\_\_\_\_\_  
Chief, Div. of Coastal Surveys  
*SRF*

History of Hydrographic Information  
Topographic Map T-8978  
Pamlico River, North Carolina

Hydrography was compiled on the map manuscript in accordance with the General Specifications of 18 May 1949.

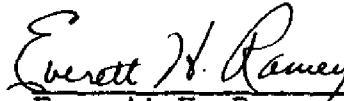
Depth curves and soundings are in feet at mean low water and originate with the following:

C&GS Hydrographic surveys:

H-5950	1:10,000	1935
H-5961	"	"
H-5996	"	"

and blue prints numbered 43103 through 43105 showing channel surveys of 1947 by U.S. Engineers. Hydrographic data was also compared with Nautical Chart No. 537, 1937 corrected to 51 - 6/1, scale of 1:40,000.

Depth curves are shown at 6, 12, and 18 feet. Hydrography compiled by Everett H. Ramey and verified by O. Svendsen.

  
\_\_\_\_\_  
Everett H. Ramey  
24 September 1953