

8986

ORIGINAL

Diag. Cht. No. 1232

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Office No. T-8986

LOCALITY

State NORTH CAROLINA

General locality PAMLICO SOUND

Locality MIDDLETOWN

1911

CHIEF OF PARTY

E. R. McCarthy, Chief of Field Party

Arthur L. Wardwell, Tampa Photogrammetric
Office

LIBRARY & ARCHIVES

DATE

DATA RECORD

T-8986

Project No. (II): Ph-20(47)

Quadrangle Name (IV):

Field Office (II): Washington, North Carolina

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): DEC 7 1950

Date reported to Nautical Chart Branch (IV): DEC 13 1950

Applied to Chart No.

Date:

Date registered (IV): 5 Feb 1952

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): ENGLE, 1933

Lat.: 35° 27' 42".027 (1295.2m) Long.: 75° 59' 50".187 (1265.5m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV): Lambert

State: N.C.

Zone:

Y= 636 458.27

X= 2 894 016.43

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.

All contouring by
Elmer L. Williams (II)

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

DATA RECORD

Field Inspection by (II):	<u>Elmer L. Williams</u>	Date:	22 June 1949
Planetable contouring by (II):	<u>Elmer L. Williams</u>	Date:	22 June 1949
Completion Surveys by (II):	<u>James E. Hundley</u>	Date:	<u>28 June 1949</u>
Mean High Water Location (III) (State date and method of location):	<u>Air Photo. Compilation</u>		29 March 1949
Projection and Grids ruled by (IV):	<u>W. O. (T.L.S.)</u>	Date:	21 June 1948
Projection and Grids checked by (IV):	<u>W. O. (T.L.S.)</u>	Date:	21 June 1948
Control plotted by (III):	<u>B. F. Lampton</u>	Date:	7 October 1948
Control checked by (III):	<u>R. R. Wagner</u>	Date:	19 October 1948
Radial Plot or Stereoscopic Control extension by (III):	<u>M. M. Slavney</u>	Date:	13 April 1950
	Planimetry	Date:	
Stereoscopic Instrument compilation (III):	<u>Inapplicable</u>	Date:	
	Contours	Date:	
Manuscript delineated by (III):	<u>C. J. Downing</u>	Date:	31 July 1950
Photogrammetric Office Review by (III):	<u>R. Dossett - J. A. Giles</u>	Date:	6 October 1950
Elevations on Manuscript checked by <u>dy</u> (III):	<u>C. J. Downing</u>	Date:	30 July 1950

Camera (kind or source) (III): U. S. C. & G. S. 9 lens, 8.25" focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
22166	29 March 1948	13:18	1:20,000	No periodic tide *
22209	29 March 1948	14:32	"	"

Tide (III)

No periodic tide *

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

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

Date: *7 Dec 1951*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *2.0*

Shoreline (More than 200 meters to opposite shore) (III): *4.0*

Shoreline (Less than 200 meters to opposite shore) (III): *0.8*

Control Leveling - Miles (II): *22.2*

Number of Triangulation Stations searched for (II): *3*

Recovered: *3*

Identified: *3*

Number of BMs searched for (II): *0*

Recovered: *0*

Identified: *0*

Number of Recoverable Photo Stations established (III): *1*

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

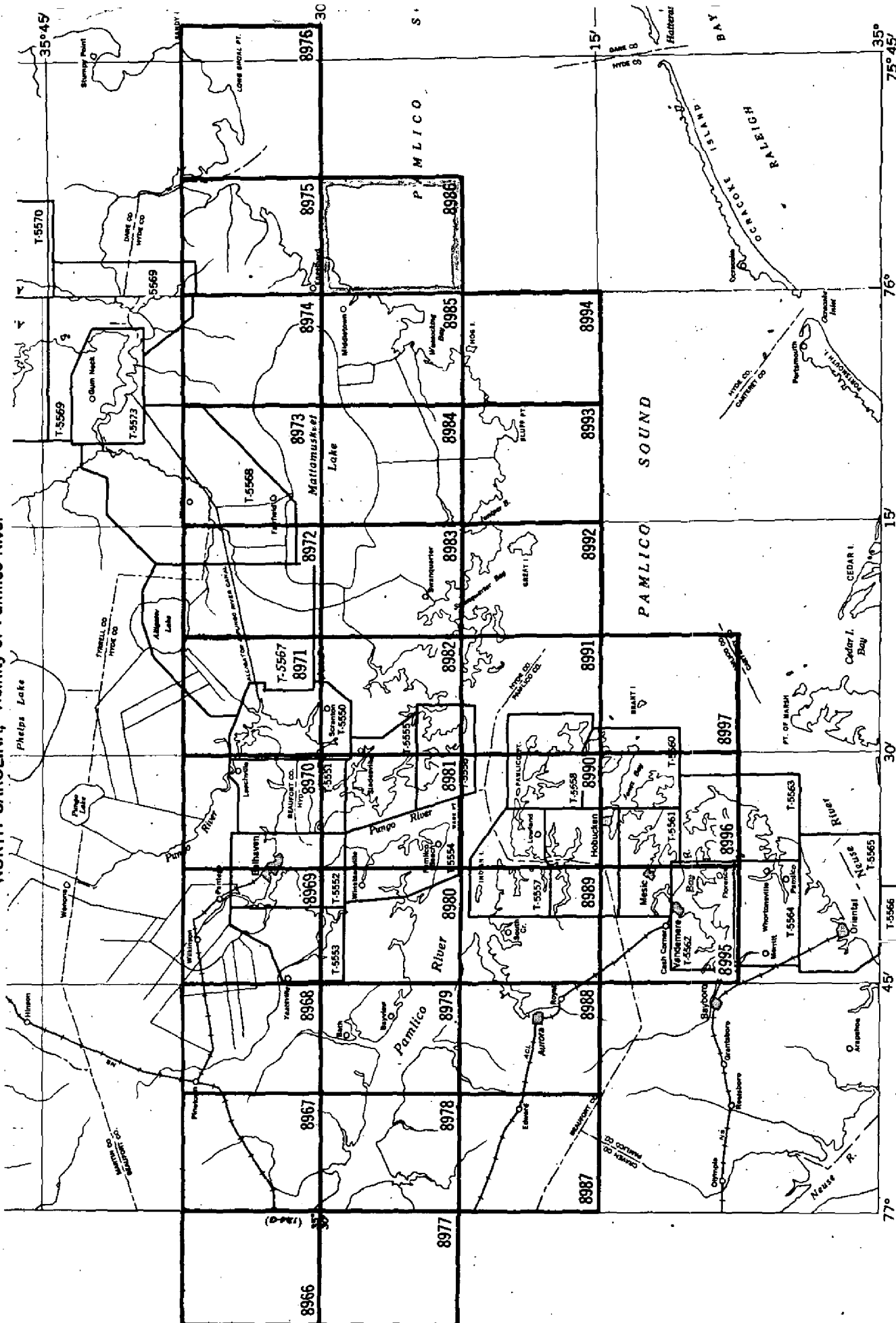
Remarks:

** The periodic tide is negligible. ENR*

TOPOGRAPHIC MAPPING PROJECT

PH-20(47)

NORTH CAROLINA, Vicinity of Pamlico River



SUMMARY TO ACCOMPANY MAP T-8986

Topographic map T-8986 is one of 32 similar maps of Project Ph-20(47) and is located in the eastern part of the project. It covers Middletown Anchorage in Pamlico Sound and the adjacent land area.

Project Ph-20(47) is a graphic compilation project. Operations which preceded compilation included complete field inspection, the recovery and identification of horizontal control, and the mapping of topography on the photographs by planetable methods.

The map manuscript was compiled at a scale of 1:20,000 and covers $7\frac{1}{2}'$ in latitude by $7\frac{1}{2}'$ in longitude. The entire map was field edited. After the addition of hydrographic data by the Division of Charts the map will be published by the Geological Survey as a standard topographic quadrangle.

Items registered under T-8986 will include a cloth-mounted lithographic print of the map manuscript at a scale of 1:20,000, a cloth-mounted color print at a scale of 1:24,000 and the descriptive report.

SEE DESCRIPTIVE REPORT
COVERING QUADRANGLE T-8985
FOR THE FIELD INSPECTION OF
QUADRANGLE T-8986

Photogrammetric Plot Report

This report covers the plot for maps T-8973 to T-8976 inclusive, T-8984 to T-8986 inclusive, T-8993 and T-8994, and is filed as part of the descriptive report for T-8974.

SCALE FACTOR 1.000

[illegible]

DATE 24 Sept. 48

M-2388-12

COMPILATION REPORT, T-8986

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-8974

*See Descriptive Report for T-8974*31. DELINEATION.

Compiled by graphic methods. No unusual method of compilation was employed.

32. CONTROL.

Horizontal control was adequate. Identification, density, and placement were satisfactory.

33. SUPPLEMENTAL DATA.

None

34. CONTOURS AND DRAINAGE.

There is only one short carrying contour in this quadrangle. Drainage was readily identified on the photographs. Only the lead ditches have been shown.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. No low water line or shoals have been delineated. Reference Item 7, *Desc. Report for T-8985.*

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

No unusual methods of compilation employed.

38. CONTROL FOR FUTURE SURVEYS.

One recoverable topographic station is being submitted on Form 524, ^{*} with this report. This station has been listed under Item 49.

** Filed in the Div. of Photogrammetry.*

39. JUNCTIONS.

Survey T-8975 on the north, in agreement.

Pamlico Sound on the south.

Pamlico sound on the east.

Survey T-8985 on the west, in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement required.

See item 53

46. COMPARISON WITH EXISTING MAPS.

None available for comparison

See item 62

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Nautical Chart No. 1231, scale of 1:80,000, publication date, November 1938, corrected to 23 December 1949. No discrepancies were noted.

See item 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Charles J. Downing
Charles J. Downing
Photogrammetric Aid

Approved and Forwarded

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST.

BACK CREEK
BURRUS CREEK

CEDAR CREEK

*GIBBS SHOAL } covered by water.
*GULL SHOAL }

HYDE COUNTY

LAKE LANDING TOWNSHIP
LONE TREE CREEK

MIDDLETOWN ANCHORAGE
MIDDLETOWN CREEK

NORTH CAROLINA

OYSTER CREEK

PAMLICO SOUND

*Feature was not shown because its position and limits could not be determined from the photographs.

Names approved,
subject to F.E.

12-19-50

A.J.W.

49. NOTES FOR THE HYDROGRAPHER.

The following topographic station may be useful to the hydrographer:

GUMP, 1949.

Note that "GIBBS SHOAL" and "GULL SHOAL" have not been shown on the map manuscript; it was impossible to determine their limits from the photographs.

FIELD EDIT REPORT
Project Ph-20(47)
Quadrangle T-8986

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 for a general check on the adequacy of the map compilation.

Corrections and additions were made by visual inspection.

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

The reviewer's questions are answered on the discrepancy print.

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

The actual field work was accomplished 20 June 1951.

52. ADEQUACY OF COMPILATION

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

53. MAP ACCURACY

The horizontal accuracy of the map detail is relatively good. See item 66

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. John L. Mann, of New Holland, N. C. is best qualified to examine a proof copy of this work.

56. CONTOURS AND DRAINAGE

Ref. to item 34 - Compilation Report.

There are no contours in this area. See item 67

57. OTHER INTERIOR FEATURES

Ref. to item 15 - Field Inspection Report, T-8985.

Reclassification, where necessary, and limits of the woodland cover, have been shown on the field edit sheet.

58. JUNCTIONS

Satisfactory junctions have been made with T-8975 to the north, and T-8985 to the west.

28 June 1951

Submitted by:

James E. Hundley
James E. Hundley
Cartographer

17 July 1951

Approved by:

Harry F. Garber
Harry F. Garber ^{GEV}
Commander, USC&GS
Chief of Party

50

PHOTOGRAMMETRIC OFFICE REVIEW

T. 8986

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 ~~7. Photographic stations~~ 8. Bench marks JG ~~9. Plotting of control lines~~ 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line JG ~~14. Shoreline, etc.~~ 15. Bridges ~~16. Aids to navigation~~ JG ~~17. Other alongshore physical features~~ 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 ~~23. Stream and~~ ~~24. Contours in general~~ JG 25. Spot elevations JG 26. Other physical features JG

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines JG ~~32. Public boundaries~~

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 JG
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:

PHOTOGRAMMETRIC REVIEWS SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED
TO BE DELETED

25 August 1949

I recommend that the following objects which have ~~(these boat)~~ 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

Charles J. Downing

Tampa Photogrammetric Office

E. R. McCarthy

Chief of Party.

[illegible]

Page 12

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.

REVIEW REPORT
Topographic Map T-8986
7 December 1951

62. Comparison with Registered Topographic Surveys:

1384b	1:20,000	1874-75
-------	----------	---------

A small marsh island at the mouth of Middletown Creek no longer exists. Otherwise no significant changes were noted.

Map T-8986 supersedes the above survey 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:

1231	1:80,000	50-2/20
1232	1:80,000	51-2/19

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Contours and Drainage:

Reference item 56. A short carrying contour with top elevation of 7 feet is shown at latitude $35^{\circ}29.1'$ and longitude $75^{\circ}59.4'$ to depict a spoil bank along a ditch.

Submitted by:

Everett H. Ramey
Everett H. Ramey

Approved by:

S. V. Kippitt 2/16/52
Chief, Review Section
Division of Photogrammetry

H. E. Schumaker
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. Photogrammetry

Carl O. Hutton
Chief, Div. Coastal Surveys
W. H.

History of Hydrographic Information

T-8986

Middletown Anchorage - Pamlico Sound, N. C.

Hydrography was applied to the map manuscript in accordance with the general specifications of 18 May 1949.

Depth curves and soundings are in feet at Mean Low Water and originate with the following surveys:

C&GS Hydrographic Survey	H 672	(1858)	1:40,000
"	"	" H 1254 (1875)	1:20,000
"	"	" H 1362a (1875-76)	1:20,000
"	"	" H 1363a (1875-76-77)	1:40,000

Depth curves are shown at 6, 12, and 18 feet.

Depth curves and soundings were compiled by K. N. Maki and verified by R. E. Elkins.

K. N. Maki

K. N. Maki
7 January 1951

NAUTICAL CHARTS BRANCH

SURVEY NO. 8986

Record of Application to Charts

[illegible]

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.