

8732

Diag. Cht. No. 1233

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. _____ Office No. T-8732

LOCALITY

State North Carolina

General locality Neuse River

Locality South River

194 5-'49

CHIEF OF PARTY

R.J.Sipe, Chief of Party

R.A.Gilmore, Tampa Photo Office

LIBRARY & ARCHIVES

DATE February 10, 1950

8732

DATA RECORD

T-8732

Quadrangle (II):

Project No. (II): Ph-5(45)

Field Office: Moorehead City, N.C. Chief of Party: Riley J. Sipe

Compilation Office: Tampa, Fla. Chief of Party: Ross A. Gilmore

Instructions dated (II III): undated

Copy filed in Descriptive *Div & Phty*
~~Report No. T-~~ (VI) *Office Files*Completed survey received in office:
*10-21-48*Reported to Nautical Chart Section: *10-28-48*Reviewed: *10/17/49*Applied to chart No. *1233*
*(Partial)*Date: *11/18/48*

Redrafting Completed:

Registered: *12/20/49*²¹

Published:

Compilation Scale: 1: 20,000

Published Scale: *1:24,000*

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): NOWHERE, 1933

Lat.: $34^{\circ} 52' 46.106''$ (1420.8m)Long.: $76^{\circ} 31' 16.869''$ (428.4m)Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

N. Carolina State Grid

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
15991	5 April	15:09	1:20,000	No perceptible tide
15992	"	15:11	"	in this area.
16003	"	15:52	"	
16004	"	15:53	"	

what for?

Tide from (III): No tide

Mean Range:

"

Spring Range:

Camera: (Kind or source) U.S. C. & G.S. 9-lens $8\frac{1}{4}$ " focal length

Field Inspection by: J.R. Smith

date: 6-26 to 9-15-47

R.A. Horn

Field Edit by: *E.T. Jenkins*

date: *Feb. 1949*

Date of Mean High-Water Line Location (III): Aug 21-22, 1947

(Shoreline predominatly apparent)

Projection and Grids ruled by (III) T.L.J. (W.O.)

date: 17 Nov. 1947

" " " checked by: " "

date: "

Control plotted by: R.A. Reece

date: 8 Dec. 1947

Control checked by: I. I. Saperstein

date: 16 Feb., 1948

Radial Plot by: M.M. Slavney

date: 29 April, 1948

Detailed by: R.A. Reece

date: July, 1948

Reviewed in compilation office by: J.A. Giles

date: Sept. 1948

Map Manuscript

Elevations on ~~Field Edit Sheet~~

checked by:

J.A. Giles

date: Sept. 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 57

Shoreline (more than 200 meters to opposite shore): 36

Shoreline (less than 200 meters to opposite shore): 21

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 19

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

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

Remarks:

Summary Report to accompany T-8732

Topographic map T-8732 is one of 37 standard 7½-minute maps in project Ph-5(45) and is centrally located in the project. It includes the South River, which is a tributary of the Neuse River. This is a planetable contouring project. T-8732 is composed of one complete topographic manuscript at a scale of 1:20,000 and is 7½-minutes in latitude and longitude.

The several mapping operations were:

- (a) Nine-lens aerial photography and laboratory processing, 1:20,000 scale.
- (b) The field survey included identification of shoreline, planetable contouring, identification and establishment of horizontal and vertical control, classification of photographic detail and geographic names investigation.
- (c) Compilation by graphic methods.
- (d) Preliminary office inspection.
- (e) Field edit.
- (f) Final review of the map manuscript to ensure completeness and conformance with specifications and to include corrections in accordance with the field edit survey.
- (g) Processing

A 1:20,000 scale glass plate negative will be prepared for transmittal to the Geological Survey.

T-8732 will be published and distributed by the Geological Survey at a scale of 1:24,000 as a standard topographic quadrangle in accordance with an agreement of March 25, 1947.

Data pertaining to T-8732 will be filed and may be obtained as follows:

- (a) Filed in the Division of Photogrammetry
 - (1) T-8732, scale 1:20,000 map manuscript, field edit and final review corrections applied.
- (b) Filed in the Coast and Geodetic Survey Archives
 - (1) Descriptive Report.
 - (2) 1:20,000 scale, cloth mounted lithographic print of map manuscript T-8732.
 - (3) The above print is to be permanently registered under T-8732 and when T-8732 is published, a cloth backed copy of the published map, at a scale of 1:24,000, will also be registered.

FIELD INSPECTION REPORT
T-8732 (34°-52.5' / ~~76°-37.5~~ 76°30' / 7.5
Project Ph-5(45)
Sub-project C
Riley J. Sipe, Chief of Party

All phases of the field work were done in accordance with the Director's Instructions, Project Ph-5(45), Field, undated; supplement #1 to the above, dated 11 December 1946; and Photogrammetry Instructions numbers 10 and 15, dated 4 April 1947 and June 16, 1947 respectively.

The field work on this quadrangle was accomplished by the following personnel:

<u>Name & Title</u>	<u>Field Work</u>	<u>Dates</u>
J. R. Smith	Levels, Contours	6-26-47
Engr. Aid	Interior Inspection	9-15-47
	Horizontal Control Recovery	
R. A. Horn	Shoreline and	8-21-47
Photogrammetrist	Horizontal Control Recovery	8-22-47

1. Description of Area

A major portion of this quadrangle is referred to as the "Open Grounds". (For description see descriptive report on Quad 8740). In the southern part of the quadrangle there are several ditches that were excavated several years ago for the purpose of draining the area so it would be possible to cultivate, but it was to no advantage, the remainder ~~part~~ of the Quad consists mostly of low wooded land ranging from 2 to 9 feet above sea level excepting a few hills. In the northwestern part of the quadrangle there are a few small farms located mostly on the west side of South River, and a very few small farms on the east side.

The only road of importance is a dirt road entering the Quad in the northwestern part extending east to the small village of South River. South River (the river) extends through the quadrangle from the northwestern part to the southeastern part of the Quad.

2. Completeness of Field Inspection

It is thought that the field inspection is complete and adequate.

3. Interpretation of Photographs

No difficulty was encountered in the interpretation of the photographs, due to recent date of the photographs.

4. Horizontal Control

All horizontal control stations were searched for in this quadrangle. All that were recovered were identified on the photographs.

5. Vertical Control

Vertical control consisted of recovery of existing Bench Marks. Nineteen miles of fly levels were run in this Quad to facilitate contouring.

6. Contours and Drainage

Contouring was done on 1:20,000 scale photographs by the planetable method. A few hand level lines were run. The contours in this quadrangle were limited to five foot contours except in a few isolated instances where knolls were encountered that required an additional 10 and 15 foot contours.

The drainage is ~~eliminated~~ by seepage and ditches except along the rivers where the drainage is natural.

7. Mean High Water Line

A very large portion of this quadrangle is marsh land. Consequently the shoreline is predominantly apparent.

8. Low Water Line

The low water line was not delineated in this quadrangle. Tides in this section are not very perceptible and are influenced primarily by winds.

9. Wharves and Shoreline Structures

Several small piers and a few net drying racks are indicated along the South River. Also a marine railway, for small boats only, is noted in this locality.

10. Details off-shore from High Water Line

No details off-shore were noted.

11. Landmarks and Aids to Navigation

No landmarks exist within the limits of this quadrangle. Aids to navigation are reported on Form 567.

12. Hydrographic Control

Topographic stations were located in accordance with the instructions for this project. One natural object, the South River Light, was picked direct as a topographic station.

13. Aeronautical Aids and Landing Fields

No aeronautical aids or landing fields exist in this quadrangle.

A landing field for a small plane is located between Royal Creek and Southwest Creek on the western side of South River.

14. Roads Classification

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

15. Bridges

There are no bridges over navigable streams within this quadrangle.

16. Buildings and Structures

Buildings and structures are adequately covered on the photographs.

17. Boundaries

There is one county line boundary identified and pricked on photograph.

18. Geographic Names ✓

Geographic names will be the subject of a special report by Mr. A. J. Wright, Topographic Engineer.

Submitted 10 November 1947

John R. Smith
John R. Smith
Photo Aid

Approved 10 November 1947

Riley J. Sipe
Riley J. Sipe
Chief of Party

[illegible]

COMPILATION REPORT
TO ACCOMPANY
QUADRANGLE T-8732

26 AND 27. CONTROL AND RADIAL PLOT:

These are the subject of a special report (Plot No. 6) submitted by Milton M. Slavney, Photogrammetric Engineer, on August 4, 1948. *Filed in the Div of Photg General Files*

28. DELINEATION:

Nine-lens photographs 15965, 16966, 15990 to 15993 inclusive, 16002 to 16004 inclusive, 16019 and 16020 were used in establishing detail points. Photographs 15991, 15992, 16003 and 16004 fall within the limits of this quadrangle and were used for delineation. Photograph 16004 was of good scale—all the others were of only fair scale. The photographs were clear enough for the area encompassed.

Discrepancies and questionable details have been noted on the discrepancy overlay for the field editor's attention.

29. SUPPLEMENTARY DATA:

None used.

30 AND 31. MEAN HIGH-WATER--LOW-WATER AND SHOAL LINES:

These were delineated according to field inspector's notes and photo-interpretation of the compiler.

32. DETAILS OFFSHORE FROM HIGH-WATER LINE:

None were noted by the field inspector.

33. WHARVES AND SHORELINE STRUCTURES:

Several piers, drying racks, etc., recovered by the field inspector, have been delineated as noted.

34. LANDMARKS AND AIDS TO NAVIGATION:

No landmarks exist. Aids to navigation are reported on Form No. 567.

35. HYDROGRAPHIC CONTROL:

No hydrographic control required.

Three recoverable topographic stations were established which may be used by the hydrographic party.

*DATED?
what year?*

36. LANDING FIELDS AND AERONAUTICAL AIDS:

No landing fields or aeronautical aids exist in this quadrangle.

See item 12, Field Inspection Report.

37. CONTOURS AND DRAINAGE:

Stereoscopic examination indicates that the contours are not in agreement with the drainage throughout the quadrangle. This has been noted on the discrepancy overlay for investigation by the field editor.

Adjusted by field editor

38. BOUNDARIES:

All boundaries have been shown on the map manuscript. Only one point on the county line was identified by the field inspector.

39. GEOGRAPHIC NAMES: *814*

Geographic names shown on the name sheet received from the Washington Office have been applied to the map manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

None available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with U.S. Coast and Geodetic Survey chart No. 1233 (Portsmouth Island to Beaufort) scale 1: 80,000, bearing a ~~print~~ *correction* date of September 7, 1946. No shoreline changes were noted.

Respectfully submitted,

Richard A. Reece

Richard A. Reece,
Photogrammetric Aid

Approved and Forwarded:

Ross A. Gilmore

Ross A. Gilmore, *10/15/48*
Chief of Party.

GEOGRAPHIC NAMES

Survey No. T-8732

SOUTH RIVER 7 $\frac{1}{2}$ ' quad., N.C.

1 Name on Survey

On Chart No. A
On previous survey No. B
On U. S. quadrangle Maps C
From local information D
On local Maps E
P. O. Guide or Map F
Rand McNally Atlas G
U. S. Light List H
K

1	Name on Survey	A	B	C	D	E	F	G	H	K	
✓	North Carolina ✓									USGB	1
✓	Neuse River ✓									"	2
✓	Craven County ✓ (Township No 5)										3
✓	Carteret County ✓										4
✓											5
✓											6
✓	Open Grounds ✓										7
✓	South River ✓										8
✓	Sandy Point										9
✓	Herring Pond ✓										10
✓	South River ✓										11
✓	South River School ?										12
✓	Church Creek										13
✓	Edwards Chapel Baptist Church ?										14
✓	Big Creek ✓										15
✓	Southwest Creek ✓										16
✓	Back Creek ✓										17
✓	Back Creek Bridge ?										18
✓	Turnpike Road										19
✓	Keels Creek										20
✓	Miry Gut ✓										21
✓	West Fork ✓										22
✓	East Fork ✓										23
✓	Duck Creek										24
✓	Elisha Creek ✓										25
✓	Buck Creek ✓										26
✓	Eastman Creek ✓										27

GEOGRAPHIC NAMES

Survey No. T-8732

2 Name on Survey

On Chart No. A
On previous survey No. B
On U. S. quadrangle Maps C
From local information D
On local Maps E
P. O. Guide or Map F
Rand McNally Atlas G
U. S. Light List H
K

Little Creek 1

Coffee Creek 2

Mulberry Creek 3

Inkens 4

Brown Creek 5

Turnagain Bay 6

Abraham Bay (F. Ed. = Culls Creek) 7

Pitman Creek (F. Ed. = Broad Creek, with Pitman Cr. a w. trib. Broaden) 8

Hog Point Creek (F. Ed. = Parsons Creek) 9

New Names from 10

Field Edit: 11

Horton Point Above names are approved subject to a final check by the Field 12

Horton Bay Edit investigation. 12/20/48 13

Cedar Point L. Heck. 14

Old House Creek F. Edit entries made 6-15-49. Six conflicts to be further investigated. L.H. 15

Dixon Creek 16

Ayals Creek Royal Creek 17

Neal Creek 18

Doe Creek 19

HARDY CREEK 20

Rich Island BUT 21

(Twombly U.S.G.S.)

FIELD EDIT REPORT
QUADRANGLE T-8732
34°-52.8' - 76°-30.0/7.5'
PROJECT Ph 5 (45)
E. R. McCarthy, Chief of Party

The field edit of this quadrangle was completed during February, 1949 by E. T. Jenkins, Cartographer. All work was performed in accordance with Field Edit instructions, dated 24 August 1945, and Supplement 1, dated 4 February 1946.

46 METHODS

Field edit was accomplished by traversing all existing roads, and walking to other areas in which the reviewer requested information. All features added to the map compilation, were located by plane table methods, or by measurements from topographic features. Some features are shown on the photographs, with a reference to the photograph on the field edit sheet.

A legend as to the meaning of each color ink used on the field edit sheet is shown thereon.

The answers to some questions asked on the discrepancy print were answered thereon, while others were answered on the field edit sheet.

47 ADEQUACY OF THE COMPILATION

The compilation of this quadrangle was adequate and complete except for a few minor details.

Numerous areas throughout the quadrangle have been shown as P.D.U.. There is no definite drainage in these areas and it is recommended that these areas be shown as N.D.D..

48 ACCURACY TESTS

There was no accuracy test specified for this quadrangle. It is believed that this map compilation complies with horizontal, and vertical accuracy specifications.

49 TOPOGRAPHIC FEATURES ADDED SINCE PHOTOGRAPHY

Attention is called to a new road in the north-western part of the quadrangle. This road was constructed for logging purposes and is a private road. Local information discloses that the public uses this road and it will probably be maintained by the county upon the completion of logging operations in this area. The swamp classification, limits were checked along this road and found to be correct.

Several new houses have been constructed in the north-western part of the quadrangle. These small houses are permanent and are shown on the field edit sheet.

17 BOUNDARY MONUMENTS AND LINES

The Field Editor appeared before the Carteret Board of Commissioners, as it was suggested in "Notes to the Field Editor." The subject of township lines was brought to the attention of the Board. The Board agreed that the township lines should follow natural boundries in-so-far as possible. The Board thought the lines shown by our maps were probably more accurate than any map they had. However, a blueprint of an old map that had been submitted by the county surveyor had already been adopted as their official map. This submitted blueprint showing the township lines, apparantly does not coincide with the map of Carteret County that was submitted at the time of field inspection. The Board did agree to allow some few changes to be made by the county surveyor and the chairman of the Board. A copy of the corrected map is being submitted with the official seal of the Board thereon.

18 GEOGRAPHIC NAMES 214

All names were checked in this quadrangle and some discrepancies as to name placement and corrections are shown on the field edit sheet. All names were checked by life-long residents of South River and the surrounding vicinity. These names are shown as references on the field edit sheet. Some new names were added to prominent points, bays and creeks. These names may not be well known by non residents of this area, but they are of every day usage in the vicinity of South River.

The map was examined for possible errors by Mr. W. L. Cannon of Merrimon, N. C. Mr. Cannon has been a resident of this vicinity for fifty years, and is highly familiar with the area. He could find no errors, except the aforementioned discrepancies.

Corrected during review.

Approved

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

Submitted

E. T. Jenkins
E. T. Jenkins *GSV*
Cartographer

Review Report T-8732
Topographic Map
October 17, 1949

62. Comparison with Registered Topographic Surveys

1073	1868	1:20,000
1074	1868	1:20,000
3823	1920	1:20,000

All areas of the above topographic surveys common to the map are unqualifiedly superseded for the purpose of nautical charting.

63. Comparison with Maps of other Agencies

None

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1233

(1942)?

66. Adequacy of Results and Future Surveys

This map complies with the project instructions and Bureau policy. It also complies with the National Standards of Accuracy.

Reviewed by:

B. Thomas Hynson
B. Thomas Hynson 10-17-49

Approved by:

L. V. Griffith
Chief, Review Section L.H.M.
Div. of Photogrammetry

H. C. Edmonson
Chief, Nautical Chart Branch
Division of Charts

J. S. Reading
Chief, Div. of Photogrammetry

W. M. Acaife
Chief, Div. of Coastal Surveys
KAR

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE DELETED:

Morehead City, N. C. August 26, 1947.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

The positions given have been checked after listing by

R. A. Reece, Tampa Photogrammetric Office

Chief of Party.

STATE NORTH CAROLINA		DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED			
CHARTING NAME				LATITUDE	LONGITUDE		DATUM									
			°	'	D. M. METERS	°	'	D. P. METERS								
SOUTH RIVER LIGHT			34	58	1748		76	35	167	N.A.	1927	Rad Plot T-8732	1947	x		1233 1231

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.

NAUTICAL CHARTS BRANCH

SURVEY NO. 8732

Record of Application to Charts

[illegible]

M-2169-1

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.