

6367a
6367b

U. S. COAST & GEODETIC SURVEY
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6367a
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: North Carolina

DESRIPTIVE REPORT

Topographic } Sheet No. 41
Hydrographic }

LOCALITY

North River -- Albemarle Sound
North River
North Carolina

1935

CHIEF OF PARTY

Raymond P. Eymann, H. & G. E.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Elizabeth City, N.C.

August 26, 1935

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Raymond P. Eymen

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	°	'	D. M. METERS	°			
Beacon 75 " 29 "	36	11	732.6	75	54	546.8	N.A. triang. 1228 & 1229 831
" 77 " 31 "	36	10	908.7	75	53	712.2	" " " " 831
Jarvisburg Beacon " 31 "	36	11	708.1	75	53	572.4	" " " " 831
Entrance Beacon " 34 "	36	09	449.6	75	53	1005.1	" " " " 831
JIB Center of small ho.	36	10	163	75	52	200	" topo " "
Bee W. gble ho.	36	10	1104	75	53	405	" " " " 731
W. Gble. fish house	36	10	143	75	52	272	" " " "

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance. The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
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OCT 16 1935

REG. NO.

Acc. No.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. K T6367a

REGISTER NO.

State North Carolina

General locality Albermarle Sound
North River

Locality North River
Buck Island to Little Broad Creek

Scale 1/10000 Date of survey march, 1935

Vessel NATOMA

Chief of Party R.P. EYMAN; H. & G. E.

Surveyed by E.L. Jones, Aid

Inked by E.L. Jones

Heights in feet above to ground to tops of trees 60

Contour, Approximate contour, Form line interval feet none

Instructions dated August 31, 1934

Remarks:

Descriptive Report to accompany Topographic Sheet K
North River, North Carolina.

Instructions

The topography on this sheet is a part of Project HT- 189, M.V. Natoma, instructions for which are dated Aug. 31, 1934

Limits and Scale

Surveyed on a scale of 1-10,000, the sheet covers the shoreline of North River from Buck Island to Little Broad Creek and includes Hunting Creek together portions of Lutz Creek and Duck Pond.

The sheet is joined on the north by sheet J and on the south by L.

Control and Survey Methods

The control on this sheet consists of 13 triangulation stations adequately spaced to give rigid control on the entire sheet.

Nearly all of the hydrographic signals on the river were cut in by J.H.Tiller, Jr., Observer. There were no discrepancies noted while rodding in the shoreline.

The shoreline was rodded entirely from positions located by cuts, three point fixes, and resections except in Hunting Creek where @ Sue and @ Nat were located by a cut and rod distance from @ Nel; and in Lutz Creek @ Jim was established by a cut and rod distance from @ Nit.

The tree line was sketched from a few cuts and estimated positions.

The magnetic meridians were obtained by J.H.Tiller, Jr. while cutting in hydrographic signals.

Description of Topographic Features

The shoreline on this sheet is, in general, ragged and marshy. The Marsh area is covered with marsh grass 5 to 6 ft. tall. At the few places where the treeline makes out to the water's edge the shoreline is foul with stumps, cypress knees, and fallen trees. The outer limits of the water areas foul with stumps and cypress knees are shown by a dashed line. Rod shots taken on this dashed line are shown on the sheet by small black circles.

There are a great many fish stakes extending from 100 to 200 meters out into the river. Only a few are shown on the sheet as they are of a temporary nature and time did not permit the locating of all of them. They are, however, dangerous to small power boats operating along the shore at night.

Attention is called to the sunken tug boat off @ Rum. Only about 2 ft. of the stem is showing above mean water.

The grassy islets shown on the sheet about 100 meters east of @ Al, 200 meters NW of @ NW Base 2, 250 meters north west of @ Dim, and about 100 meters SE of @ Got are not covered at high water. The tufts of marsh grass extending outside of the high water line between @ Fed and @ Buz are not covered at high water.

Statistics

Shoreline - - - -	26.9 mi. (stat.)
Area surveyed - - -	3.5 sq. mi.
Traverses - - - -	1.0 mi. (stat.)

New Names

There are four new names appearing on the sheet as follows: Hunting Creek, located $\frac{1}{2}$ mile SW of Buck Island; Lutz Creek, lat. 36 - 14.7 and long.

76 - 55.3; Duck Pond, shown at the extreme lower right hand corner of the

sheet; and Little Broad Creek, about 0.6 mile SE of Broad Creek. All of the above names are well established in local useage.

Hydrographic Signals

The hydrographic signals located on this sheet are listed on an attached appendix.

Landmarks

There are no landmarks other than the beacons which are listed on form #567

Subplan

The topography of Broad Creek, which makes off to the westward from North River in this area was done on a subplan on Sheet "N" and called "K".

Respectfully submitted,

Edmund L. Jones
Edmund L. Jones,
Aid. Topographer.

Approved and forwarded,

Raymond P. Eymann
Raymond P. Eymann,
Chief of Party.

POSITION OF HYDROGRAPHIC SIGNALS
 TOPOGRAPHIC SHEET K
 NORTH RIVER, NORTH CAROLINA.

SIGNAL	LATITUDE	D.M. meters	LONGITUDE	D.P. meters	REMARKS
Hon	36 - 15	515 (1334)	75 - 57	1355 (143)	
Sue	36 - 14	1748 (101)	75 - 58	103	
Abe	36 - 14	1563 (288)	75 - 57	946 (552)	
Nel	36 - 14	1451 (398)	75 - 57	1402 (96)	
Sam	36 - 14	1520 (329)	75 - 57	1165 (333)	
Nat	36 - 14	1249 (600)	75 - 58	207 (1291)	
Pat	36 - 14	1278 (571)	75 - 57	1074 (424)	
Cab	36 - 14	1576 (273)	75 - 57	549 (949)	
Hel	36 - 14	1139 (710)	75 - 57	415 (1083)	
Rum	36 - 14	888 (961)	75 - 57	414 (1084)	
Ale	36 - 13	1577 (272)	75 - 56	1422 (76)	
Wine	36 - 13	255 (1595)	75 - 56	1379 (119)	
Wis	36 - 12	778 (1061)	75 - 57	201 (1298)	
Mat	36 - 12	156 (1693)	75 - 57	793 (706)	
Key	36 - 11	1639 (210)	75 - 57	652 (847)	

SIGNAL	LATITUDE	D.M. meters	LONGITUDE	D.P. meters	REMARKS
Al	36 - 15	815 (1034)	75 - 57	207 (1290)	
Buz	36 - 15	873 (1576)	75 - 56	758 (740)	
Yed	36 - 15	42 (1607)	75 - 56	335 (1163)	
Dim	36 - 14	1557 (292)	75 - 55	1459 (39)	
Hen	36 - 14	1429 (480)	75 - 55	1102 (397)	
Ted	36 - 14	1201 (648)	75 - 55	347 (1152)	
Jim	36 - 14	1809 (40)	75 - 54	1387 (111)	
Man	36 - 14	1622 (227)	75 - 54	1312 (186)	
Nit	36 - 14	1450 (399)	75 - 54	1454 (44)	
Pod	36 - 14	1168 (681)	75 - 54	1447 (51)	
Leg	36 - 14	818 (1031)	75 - 55	275 (1223)	
Her	36 - 14	166 (1683)	75 - 55	29 (1489)	
Pul	36 - 13	1561 (288)	75 - 54	1318 (180)	
Pie	36 - 12	1696 (153)	75 - 54	890 (608)	
Got	36 - 12	540 (1309)	75 - 54	349 (1160)	
By	36 - 12	500 (1349)	75 - 54	69 (1430)	

REVIEW OF TOPOGRAPHIC SURVEY No. 6367 a "Field K"

Title (Par. 56) *North River, Albemarle Sound, North Carolina*Chief of Party *R.P. Eymann* Surveyed by *E.L. Jones* Inked by *E.L. Jones*Ship *MM Natoma* Instructions dated *Aug. 31, 1934* Surveyed in *March 1935.*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
This is all low lying country and no elevations are shown.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *No contours are shown*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
Examined south to lat. 36° 15' March 23, 1936 RfJ
of balance of sheet
Examination completed April 1st 1936 RfJ
10. The span, draw and clearance of bridges are shown. (Par. 16c.)
No bridges are shown within the limits of this survey.
11. Locations and elevations of summits are given. (Par. 19, 51.)
This is all low lying flat country.
12. ~~The tree line was shown on mountains.~~ (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in ~~aero-topography~~ relative to type of photographs, method of compilation and type of ground control.
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridians ~~were~~ shown and declination was checked. (Par. 17, 52.) *Three magnetic meridians are shown but there is no evidence that the declination was checked.*
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~
24. Remarks:

Reviewed in office by *R. J. Christman March 23, 1936.*
Inspected by A. L. Chalawif

Examined and approved:

C. H. Green
 Chief, Section of Field Records

L. O. Lobbutt
 Chief, Division of Charts

Fred. L. Peacock
 Chief, Section of Field Work

Stude
 Chief, Division of Hyd. and Top.

1

Descriptive Report to Accompany Topographic Sheet L
North River, North Carolina

INSTRUCTIONS

The topography on sheet L is a part of Project No. H.T. 189, the instructions for which were dated August 31, 1934.

LIMITS AND SCALE

Surveyed on a scale of 1/10000, the sheet covers the shore line of North River at its junction with Albemarle Sound. On the east edge of the sheet the shore line extends from one mile northwest to two and two-tenths miles south of Jarvisburg. The shore line of Camden Point is located on the western edge of the sheet from a point one-half mile southeast of Broad Creek to one and four-tenths miles west of North River Point. The sheet is joined on the north by sheet K and on the south by sheet M.

CONTROL AND SURVEY METHODS

The control consisted of 11 triangulation stations adequately spaced to give rigid control on this sheet.

Usual plane table methods were employed. Positions were obtained mainly from resections and three point fixes, except on the shore line west of North River Point where a forward and back traverse was run between \triangle Camden 2 and \circ Cut. The position of \triangle Cut was not available until after the close of the field work. The traverse closed 10 meters in error and was adjusted after a set-up was made on \triangle Entrance Bn. and the traverse stations cut-in. The adjusted position of \circ Cut agreed so closely with the triangulated position that it could not be replotted.

2

Due to the extremely foul and indefinite shore line west of North River point rod shots were not taken at as frequent intervals as in other sections.

The tree line was sketched from a few cuts and estimated distances from the shore line.

GENERAL DESCRIPTION OF TOPOGRAPHIC FEATURES

The shore line along the eastern edge of the sheet is sandy except to the extreme north where scattered scrub trees and grass marsh makes out to the waters edge. At intervals along this shore line stumps, snags and cypress trees extend out in the water, the outer limits of which are shown by a dashed line.

A bluff bank extends along the shore line between Δ Dodge and \circ Jib. It is very prominent from the river and sound.

There are numerous old wrecked wharfs in the vicinity of Jarvisburg all of which have been stripped of their flooring.

The piling off \circ Jib is of new construction and has probably been floored for a wharf at this date. The building shown extending out in the water is a crab-meat cannery.

The shore line of Camden Point is very low and marshy except at the extreme tip of North River Point where a small sand spit makes out toward the Entrance Beacon.

The shore line on the south side of Camden is so

foul with stumps, cypress knees and fallen trees that it is nearly impossible to land a small launch on the shore line.

COMPARISON WITH PREVIOUS SURVEYS

The wharf at Jarvisburg as shown on charts 1228 and 1229 is now in a wrecked condition. There are four additional wrecked wharfs below Jarvisburg not shown on either of these charts.

There were no blue prints of previous U.S. Engineer's topographic surveys available to this party.

MAGNETIC MERIDIANS

A small discrepancy was noted in the magnetic meridian taken at Δ Broad Creek.

The declinatoire with alidade H236, which was used on this sheet, was not checked during field operations as no known magnetic declinations were available.

STATISTICS

Shore line -----	9.8 statue miles
Area surveyed -----	2.5 sq. miles
Traverses -----	2.6 statue miles

HYDROGRAPHIC SIGNALS

The hydrographic signals located on this sheet are listed in the appendix.

NEW NAMES

There are no new names appearing on this sheet.

LANDMARKS

Landmarks appearing on Sheet L are listed on Form 567 in the appendix.

Approved:
Raymond P. Eymann
Raymond P. Eymann, H. & G. E.

Respectfully submitted,
Edmund L. Jones
Edmund L. Jones
Aid, U.S.C. & G.S.

APPENDIX
SHEET L

POSITION OF HYDROGRAPHIC SIGNALS
 TOPOGRAPHIC SHEET I
 NORTH RIVER - ALBEMARLE SOUND
 NORTH CAROLINA

SIGNAL	LATITUDE		LONGITUDE		REMARKS
		D.M. meters		D.P. meters	
RED	36 - 11	1824 (25)	75 - 53	1282 (217)	w. gble. ho.
BEE	36 - 11	11104 (745)	75 - 53	405 (1094)	
BIT	36 - 11	196 (1653)	75 - 52	948 (551)	
TOP	36 - 10	987 (862)	75 52	517 (982)	center small ho. tree in water
JIB	36 - 10	163 (1686)	75 - 52	200 (1300)	
BOW	36 - 09	1152 (697)	75 - 51	1208 (292)	
GIN	36 - 11	32 (1817)	75 - 56	788 (711)	
KOR	36 - 10	1420 (429)	75 - 56	295 (1204)	
BUG	36 - 10	1060 (789)	75 - 55	1230 (269)	
BEER	36 - 10	856 (993)	75 - 55	795 (705)	
ME	36 - 10	713 (1136)	75 - 55	158 (1342)	tree in water
LEA	36 - 09	1472 (377)	75 - 55	34 (1466)	
MAP	36 - 09	1502 (347)	75 55	504 (996)	
TAR	36 - 09	1527 (322)	75 - 55	890 (610)	" " " "

Scaled by JCB

Date Nov. 20, 1935

GEOGRAPHIC NAMES

Survey No. 6367a K
6367b L

Chart No. 1228

Diagram No. 1228-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>North River</u> ✓	1228			
	<u>Hunting Cr.</u> ✓		✓		
	<u>Lutz Cr.</u> ✓		✓		
	<u>Barnett Cr.</u> ✓	1228	hm		
	<u>Broad Cr.</u> ✓	1228			
	<u>Little Broad Cr.</u> ✓		✓		
	<u>Duck Pond</u> ✓ Creek		✓		
<hr/>					
	<u>Albemarle Sound</u> ✓	1228			
	<u>North River</u> ✓	1228			
	<u>Camden Point</u> ✓	1228			
	<u>North River Pt.</u> ✓	1228			
	<u>Jarvisburg</u> ✓	1228			
<p>Names approved Dec. 12 1935</p> <p><i>O. E. ...</i></p>					

REVIEW OF TOPOGRAPHIC SURVEY No. *6367 b (1935) Field No. L*Title (Par. 56) *North River, Albemarle Sound, North Carolina*Chief of Party *R.P. Eymann* Surveyed by *E. L. Jones* Inked by *E. L. Jones*Ship *M.V. Natoma* Instructions dated *Aug. 31, 1934* Surveyed in *April 1935.*

1. The survey and preparation for it conform to the requirements of the ✓
Topographic Manual. (Par. 7, 8, 9, 13, 16.)
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -con-
tours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
this is all low-lying country and no elevations are shown.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, -
50.) *No contours are shown.*
6. There is sufficient control on maps from other sources that were
transmitted by the field party to enable their application to the
charts. (Par. 28.) *None submitted.*
7. High water line on marshy and mangrove coast is clear and adequate ✓
for chart compilation. (Par. 16a, 43, 44.)
8. The representation of low water lines, reefs, coral reefs and rocks, ✓
and legends pertaining to them is satisfactory. (Par. 36, 37, 38,
39, 40, 41.)
9. Rocks and other important details shown on previous surveys and on ✓
the chart were verified. (Par. 25, 26, 27.)
10. The span, draw and clearance of bridges are shown. (Par. 16c.)
No bridges are shown on this survey.
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *the recoverable stations (Zopo) are listed on Form 567, Land marks for Charts.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown ^{but} and declination was ^{not} checked. (Par. 17, 52.) *see Desc. Rep. page 3.*
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~ ✓
24. Remarks:

Reviewed in office by

R. J. Christman April 1st, 1936.
Suggested by A. L. Stalder

Examined and approved:

C. K. Green
Chief, Section of Field Records

L. O. Tolbert
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hyd. and Top.