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

State: North Carolina

DESCRIPTIVE REPORT

Topographic | Sheet No. M
Hydrographic

LOCALITY

Albemarle Sound
Fowell Pt. and Vicinity

19.35

CHIEF OF PARTY

Raymond P. Eyman, H. & G. E.
Applies to OTH 1228 - Mar. '36
U.S. Coast
applied to drawing of Chart 1229 - May 1936 - A.B. M.
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. "M" T6368a

REGISTER NO.

State: North Carolina

General locality: Albemarl e Sound

Locality: West Shore of Powell Point and Vicinity

Scale 1/10,000 Date of survey: April 1935

Vessel: M.V. Natoma

Chief of Party: E.P. Eyman

Surveyed by: E.L. Jones

Inked by: E.L. Jones

Heights in feet above ... to ground ... to tops of trees

Contour, Approximate contour, Form line interval ... feet

Instructions dated: August 31, 1934

Remarks:

GPO
Descriptive Report to accompany
Topographic Sheet "M" Albemarle Sound
North Carolina.

Instructions
This work 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 Albemarle Sound from Newbern Landing southward to a point about halfway to Powells Pt. or 150 meters SE of Α Snake (1933).
This sheet is joined on the north by sheet "I" and on the south by "N".

Control and Survey Methods
The control consisted of 7 triangulation stations, 5 of which are on the north edge of the sheet.
Planetable positions from Newbern2 to the north were obtained entirely by resections and three-point fixes.
The shoreline from Α Snake to Α Newbern2 was traversed. At Α Snake with an orientation on Α Entrance Beacon the traverse was run to Α Newbern2 with a closing error of 9 meters, which was adjusted by standard methods.
The set-ups were nearly all in the water due to the foul condition of the shoreline, and trouble was experienced in keeping the table level and properly orientated.
The tree line was sketched in from a few cuts and estimated distances.
The declinatior with Alidade 8415 was used for magnetic meridians.

Description of Topographic Features
The entire shoreline is very foul with stumps, cypress knees, and fallen trees. From Α Newbern2 to the north it is very irregular and marshy. The marsh grass is from 5 to 6 ft. tall and extends out to the water's edge.
The shoreline south of Α Newbern2 is more regular and is sandy.
The outer limits of the water areas foul with stumps and knees are shown by a dashed line. Wherever a rod shot was taken to delineate this line on the sheet it is shown by a small black circle.
The three wrecked wharves at Newbern Landing have been stripped of their flooring.

Statistics
Shoreline -- -- -- -- -- -- 4.9 mi. (stat.)
Area surveyed -- -- -- -- 0.5 sq. mi.
Traverse -- -- -- -- -- 2.1 mi.

New Names
The only new name appearing on this sheet is Newbern Landing which is well established in local usage.

Signals
A list of hydrographic signals is attached in the appendix.

Landmarks
There are no additional landmarks on this sheet.

Respectfully submitted,
Edward G. Jones, AD. 1935

[Signature]
Raymond J. Brown, Chief of Party
<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar</td>
<td>36 09</td>
<td>709 (718)</td>
</tr>
<tr>
<td>Up</td>
<td>36 08</td>
<td>708 (1111)</td>
</tr>
<tr>
<td>Bly</td>
<td>36 08</td>
<td>1537 (312)</td>
</tr>
<tr>
<td>Cap</td>
<td>36 08</td>
<td>301 (1488)</td>
</tr>
<tr>
<td>Clem</td>
<td>36 07</td>
<td>1306 (543)</td>
</tr>
<tr>
<td>Ax</td>
<td>36 07</td>
<td>1004 (845)</td>
</tr>
<tr>
<td>Bob</td>
<td>36 07</td>
<td>572 (1177)</td>
</tr>
<tr>
<td>Cad</td>
<td>35 07</td>
<td>317 (1532)</td>
</tr>
<tr>
<td>Dot</td>
<td>35 07</td>
<td>47 (1802)</td>
</tr>
<tr>
<td>Eli</td>
<td>35 06</td>
<td>-477 (372)</td>
</tr>
<tr>
<td>Fan</td>
<td>35 06</td>
<td>-808 (1041)</td>
</tr>
</tbody>
</table>
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. "N" & "K" T6368 b

REGISTER NO.

State... North Carolina...

General locality... North River and Albemarle Sound.

Locality... Broad Creek and Powell Point, and Vicinity.

Scale 1/10,000 Date of survey... March 1, 1935.

Vessel M.V. Natoma

Chief of Party... R. F. Elyman

Surveyed by... E. L. Jones

Inked by... E. L. Jones

Heights in feet above... to ground to tops of trees

Contour, Approximate contour, Form line interval... feet

Instructions dated... August 31, 1934.

Remarks:

gro
Descriptive Report to accompany
Topographic Sheet "N" Albemarle Sound, N.C.
and subplan "K", Broad Creek.

Instructions
This work was done in accordance with instructions dated Aug.31, 1934
for Project HT-169, M.V.Natoma.

Limits and Scale
Surveyed on a scale of 1-10,000 the sheet covers the shoreline of
Albemarle Sound from Lat. 36 08.1, Long. 75 50.9 southward around Powell
Pt. to the Wright Memorial Bridge. The subplan covers Broad Creek from its
junction with North River westward to Long. 75 59; it joins with sheet K
on the east. Sheet "N" joins with sheet "M" on the northwest and is the last
sheet in this area on this project.

Control and Survey Methods
Sheet "N": Positions were obtained in the vicinity of Point Harbor
by resection and three point fixes. A set-up was made in the center of the
Wright Memorial Bridge at a point near the west abutment from a roded distance
from Δ Harbor; from this position an orientation was made from a beacon and
a cut was taken down the center line of the bridge.

The following two traverses were run on this sheet:
(1) Δ Powell - Δ Tall 2.1 ml. 9 meters closure - adjusted.
(2) Δ Tall - Δ Snake 1.0 " - 4 " " "

Most of the set-ups on both traverses were in the water where trouble
was experienced in keeping the table level and in proper orientation.

Magnetic meridians were obtained with the declinometer with Alidade
H 236. A small discrepancy was noted between the 3 meridians. The one
taken at Δ Tall was obtained from the top of a 40 ft. stand and is probably
subject to some small error.

Sheet "K": The control consisted of two triangulation stations
just outside the mouth of Broad Creek. From these two stations 0 Del was
located by cuts. A traverse was run from 0 Del to the west limits of the
sheet and back to a closure on 0 Del again, establishing intermediate
stations enroute; the traverse was run 4.2 miles by way of 0 Min, 0 Mex,
0 Ill, 0 Doc, 0 Tlx, 0 Neb, and 0 Wis; the back traverse was run from an
assumed point on the sheet 20 meters south of 0 Wis and closed 3 meters in error
from a point 20 meters south of 0 Del; the same set-up points were used on both
runs.

Stations Feb and 0 Ida were established from 0 Wis by traverse, both
forward and back distances being read on the rod in each case.

The shoreline was roded from the above traverse stations.

Alidade #218 was used on this work, which was later thoroly checked
by the topographer and Ensign J.C.Bull with the following results:

<table>
<thead>
<tr>
<th>Rod Distance</th>
<th>Correction to be Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 meters</td>
<td>-0.3 meter</td>
</tr>
<tr>
<td>200 &quot;</td>
<td>-1.5 &quot;</td>
</tr>
<tr>
<td>300 &quot;</td>
<td>-2/3 &quot;</td>
</tr>
<tr>
<td>400 &quot;</td>
<td>-2.3 &quot;</td>
</tr>
</tbody>
</table>

No stadia corrections were applied to the traverses run in the field,
however the adjustment was made by plotting corrections to the stadia
distances on a scale of 100:1, and holding to the original directions
between traverse stations. The plotting was made directly on the sheet.
The corrections were scaled and applied. The rod shots on the shoreline were adjusted the same amount as the traverse stations from which taken.

General Description and Topographic Features

Sheet "N": The shoreline on this sheet is nearly all sandy and regular except for the stretch between O Hit and @Snake, which is very rugged and marshy. The marsh area is covered with a scattered growth of cypress and black gum.

SE of O Hit there is an occasional heavy stand of southern pine.

Point Harbor affords good protection for small boats. Many fishermen use the harbor for an anchorage and the docks for loading purposes.

The Wright Memorial Bridge was purchased by the State and opened to the public toll free on July 4, 1935.

The shoreline from Powell Pt. to @Snake is covered with stumps and cypress trees, many of which extend out into the water. The outside limits are shown by a dashed line, small black circles indicating rod shots and black dots inside the dashed line indicate stumps and knees.

Sheet "K"": The entire shoreline is very irregular and marshy. The marsh grass is about 5 to 6 ft. tall and extends down to the waters edge.

The wooded area is thickly covered with cypress and black gum with a sprinkling of southern pine. Wherever the trees make cut to the water's edge the shoreline is very foul with fallen trees, stumps, and cypress knees.

Statistics

<table>
<thead>
<tr>
<th>Stat. miles of shoreline</th>
<th>Sheet &quot;N&quot;</th>
<th>Sheet &quot;K&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area surveyed 'sq. mi.'</td>
<td>0.5</td>
<td>0.9</td>
</tr>
<tr>
<td>Traverse-stat. mi.</td>
<td>3.6</td>
<td>4.2</td>
</tr>
</tbody>
</table>

New Names

The only new name is the Wright Memorial Bridge on sheet "N". This name was given by the former owners and still known by the State as such; it was dedicated to the Wright Brothers in recognition of their first successful airplane flights on the nearby sand hills and beach which is connected to the mainland by this bridge, and is widely known throughout the state by this name.

Landmarks

The only landmarks on either sheet are the beacon off Powell Pt. and the above bridge, both of which are on sheet "N".

Signals

A list of positions of signals for each sheet is attached.

Respectfully submitted,

Edmund L. Jones,
Aid, Topographer.

Raymond P. Eyman,
Chief of Party.
### List of Signal Positions

<table>
<thead>
<tr>
<th>Name</th>
<th>Sheet &quot;N&quot;</th>
<th>Sheet &quot;K&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Latitude</td>
<td>Longitude</td>
</tr>
<tr>
<td>Gus</td>
<td>05 1704 (145)</td>
<td>75 1009 (492)</td>
</tr>
<tr>
<td>Sid</td>
<td>05 1447 (402)</td>
<td>50 671 (830)</td>
</tr>
<tr>
<td>Him</td>
<td>05 998 (851)</td>
<td>50 162 (1339)</td>
</tr>
<tr>
<td>Hit</td>
<td>05 809 (1040)</td>
<td>49 1302 (199)</td>
</tr>
<tr>
<td>Ros</td>
<td>05 275 (1574)</td>
<td>49 668 (833)</td>
</tr>
<tr>
<td>Haw</td>
<td>04 86 (173)</td>
<td>49 103 (136)</td>
</tr>
<tr>
<td>Nut</td>
<td>04 1286 (580)</td>
<td>48 969 (533)</td>
</tr>
<tr>
<td>Git</td>
<td>04 1052 (797)</td>
<td>48 567 (935)</td>
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</tbody>
</table>
LANDMARKS FOR CHARTS

M.Y. Natoma, Elizabeth City, N.C.

October 16, 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. Byman
Chief of Party

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beacon, lighted</td>
<td>36 03</td>
<td>873.5 75 47 72.5</td>
<td>N.A.1927 Tri. 1222, 3552</td>
</tr>
</tbody>
</table>
Approved by the Division of Geographic Names, Department of Interior. *
Referred to the Division of Geographic Names, Department of Interior. R
Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Albermarle Sound</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Newtobee</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hubert Landing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Powell Pt.</td>
<td></td>
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<td></td>
<td>Sampson Pt.</td>
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<td></td>
<td>Point Harbor</td>
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<tr>
<td></td>
<td>Broad Cr.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>WEIGHT MEMORIAL BRIDGE</td>
<td></td>
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</tr>
</tbody>
</table>

Names approved Dec. 12 1936

C. E. Legg
REVIEW OF TOPOGRAPHIC SURVEY NO. 6368 a

Title (Par. 58)

ALBEMARLE SOUND
POWELL POINT AND VICINITY

Chief of Party Surveyed by E.L. Jones Inked by E.L. Jones.

Ship NATOMA Instructions dated Aug. 31 '94 Surveyed in April, '95.

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.)

5. The delineation of contours-formlines—is satisfactory. (Par. 49, 50.)

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.)

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.)

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. 54, 55, 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 DIs and DFPs, 68.)

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 164, e, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.)

18. The geographic datum of the sheet is NAD 1927 (UNADJUSTED) 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, 34, 35, 36, 37, 38, 29, 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 R. F. EYMAN.

24. Remarks: No additional work required.

Reviewed in office by

Examined and approved:

C. K. Green  
Chief, Section of Field Records

L. D. Rollin  
Chief, Division of Charts

Fred L. Poole  
Chief, Division of Field Work

Fred  
Chief, Division of Hyd. and Top.
REVIEW OF TOPOGRAPHIC SURVEY No. 6368 b (IN PART)

Title (Par. 56)
ALBEARAL
POWELL POINT & VICINITY

Chief of Party
R. E. YAMAN
Surveyed by E. J. JONES
Inked by E. J. JONES

Ship
NAGAMON
Instructions dated Aug. 31, 34 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.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

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.)

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.)

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.
The remains of an old dock extending from shore in Lat: 36° 05.5', Long 79° 50.0' disagree with location noted by constant fix on chart H 5902.

Investigation fails to disclose the source error and after consultation in the Office with the Chief Party (R.P. Erman) it is considered advisable to hold the matter up until receipt of the aerial compilation sheet.

Comparison with the air photos shows that the constant fix is the correct location for the dock.

The dock on T-6368 b (1935) has been changed to conform to the air photos. R.P., Apr. 10, 1936.
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 meridian was shown and declination was checked. (Par. 17, 52.)

18. The geographic datum of the sheet is N.A. 1927 (unadjusted) 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, 43, 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: No additional work required.

Reviewed in office by: Examine and approved:

E. W. Green
Chief, Section of Field Records

Fred R. Wilson
Chief, Division of Hyd. and Top.

L. O. Hallett
Chief, Division of Charts

A. L. Shalnow