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

State: North Carolina

DESCRIPTIVE REPORT
Topographic 6 Sheet No. E
Hydrographic

LOCALITY
Currituck Sound
N.C. Inland Waterway
North Landing River, N.C.

193 4

CHIEF OF PARTY
J.C. Sammons, Hyd. & Geod. Eng.
applic in cit 1927, mar. 31. T. S. Smith
T-6364a and b applied to cit 830, May 8, 1937 - S.L.J.
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. **T6364a**

**REGISTER NO.**

**State...North Carolina**

**Currituck Sound**

**General locality...North Landing River**

**North Landing River**

**Locality...Wackay Island and Knott Island.**

**Scale...1/10,000**

**Date of survey...Nov., 1934**

**Vessel...M.V. Natoma**

**Chief of Party...J.C. Sammons**

**Surveyed by...J. H. Tiller Jr.**

**Inked by...J. H. Tiller Jr.**

**Heights in feet above...**

to ground to tops of trees

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

**feet**

**Instructions dated August 31, 1934**

**Remarks:**

______________________________________________

**SPG**
DESRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC
SHEETS "E"

NORTH LANDING RIVER AND BAY

INSTRUCTIONS:

Sheet "E" is a portion of the project HT 189 and was
surveyed in accordance with the instructions issued by the
Director on August 31, 1934.

LIMITS AND SCALE:

Sheet "E" was surveyed on the scale of 1:10,000
and covers the eastern shoreline of the NORTH LANDING RIVER
from Lat. 36 - 31.7 south to latitude 36- 28.9 and includes
a survey of the road from Mackay Island to the southern tip of
Knott Island, it is joined on the west by "D" and on the SW by "F".

CONTROL AND SURVEY METHODS:

The control for this sheet was extremely poor, consisting
of four triangulation stations so spaced that at only one
station could two stations be seen for orientation, and this
station served of little value to the survey of the sheet.

In the Back Bay area the location of the signals
had to be accomplished by first going to station Mack. Orientating
on station Morse 2, the only station on which to orient, cut in
stations AT and Boy. Then going to station Morse 2 and orientating
on station Mack. Only one cut could be had here that was to
station AT. Station AT was the occupied and a resection on
Windmill. This gave a location of the slickest possible cuts,
which to the eye appeared perfect. The other stations in the
area were located from this station. The hydrography was done
and when sheet "D." was projected and signals AT and Boy located
an appreciable error was found. All of this area had to be
resurveyed.

A traverse was started at Station MACK and run
along the private road for a distance of approximately 2.7 miles.
Another traverse was then started from Station Knott -2 and
run to this point with an error of closure of 80 meters. This
error was adjusted according to special publications covering
such work.
DESCRIPTION:

The shore line of this area has changed an appreciable amount from that shown on Chart 1227. The shoreline of the Back Bay area is bordered by marsh lands extending from one-half to three miles back. At station ED is a bulkhead extending eastward for several hundred meters enclosing a small bight and forming a private duck pond. This pond could not be surveyed due to the hunting season and owners feared the scaring of the game away. At station HDP another bulkhead is started that extends around to within six hundred meters of Vow. This bulkhead is to prevent erosion. Another bulkhead is started at Vow and extends to Station Lid. This forms other duck ponds and shuts off a portion of Bellows Bay.

The shoreline is bordered practically all of the way by pine and cypress trees. From station M6c to Knott-2 the shoreline is bordered by an area covered by short grass except at the entrance of a small creek as shown on the sheet.

Mackay Island is privately owned and is mainly a hunting preserve. The island is heavily timbered with very little area under cultivation. Knott Island is mostly under cultivation with some timbered areas.

The marsh area of this sheet is filled with small creeks of very small width and depth.

NEW NAMES:

No new names appear on this sheet.

MAGNETIC MERIDIANS:

Magnetic Meridians were determined at Stations Morse 2, Hawk, and Knott-2.

ALUMINUM SHEETS:

An aluminum backed sheet was used and found to be satisfactory.

LANDMARKS:

Landmarks appearing on this sheet will be forwarded on form 567

STATISTICS:


Respectfully submitted

James H. Tiller Jr.
Accountant

Observer.

Raymond P. Eyman
H.&G. Engr.

for J.C. Sammons.
<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>At</td>
<td>36</td>
<td>1084 (785)</td>
<td>59 589 (903)</td>
</tr>
<tr>
<td>Boy</td>
<td>987 (862)</td>
<td>58 1093 (400)</td>
<td>marked by disc</td>
</tr>
<tr>
<td>Clay</td>
<td>936 (913)</td>
<td>426 (1067)</td>
<td></td>
</tr>
<tr>
<td>Do</td>
<td>567 (1282)</td>
<td>185 (1328)</td>
<td></td>
</tr>
<tr>
<td>Ink</td>
<td>212 (1637)</td>
<td>57 1139 (355)</td>
<td></td>
</tr>
<tr>
<td>Ed</td>
<td>30 1692 (157)</td>
<td>58 881 (612)</td>
<td></td>
</tr>
<tr>
<td>Fog</td>
<td>1360 (469)</td>
<td>1348 (145)</td>
<td></td>
</tr>
<tr>
<td>Gun</td>
<td>1047 (803)</td>
<td>1297 (196)</td>
<td>marked by disc</td>
</tr>
<tr>
<td>Step</td>
<td>430 (1420)</td>
<td>1449 (44)</td>
<td></td>
</tr>
<tr>
<td>Hop</td>
<td>29 133 (1716)</td>
<td>871 (622)</td>
<td></td>
</tr>
<tr>
<td>Vow</td>
<td>1131 (719)</td>
<td>149 (1344)</td>
<td></td>
</tr>
<tr>
<td>Nip</td>
<td>821 (1026)</td>
<td>57 558 (937)</td>
<td></td>
</tr>
<tr>
<td>Lid</td>
<td>932 (917)</td>
<td>56 934 (559)</td>
<td></td>
</tr>
</tbody>
</table>
**LANDMARKS FOR CHARTS**

**Elizabeth City, N.C.**

August 29, 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.  

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>Windmill</td>
<td>36 29 1220.3 75 59 276.3</td>
<td>N.A. TRI. 1220 406</td>
<td>8 50</td>
</tr>
</tbody>
</table>

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, flagstaffs and like objects are not sufficiently permanent to chart.
REVIEW OF TOPOGRAPHIC SURVEY No. 6364 a(1934) Field No. E.

Title (Par. 56) North Landing River, Currituck Sound, North Carolina


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.) The correctness of a traverse and a part of the traverse was re-run after two weeks was located from an adjacent sheet. (See Chart #5, page 35.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 25.) This is a low flat area 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. 15a, 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. 16a.) No bridges are shown on the sheet.

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.)

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.) 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, 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 J. C. Sammons was relieved as Chief of Party by R. F. Sipman and the report is signed by the latter.

24. Remarks:

Reviewed in office by R. F. Christman March 30, 1936. (Accepted as adequate for plotting purposes.)

Examined and approved:

Fred L. Peacock
Chief, Section of Field Work

C. H. Green
Chief, Section of Field Records

J. D. Doherty
Chief, Division of Charts

G. C. Hinde
Chief, Division of Hyd. and Top.
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. T6361b

REGISTER NO.

State... North Carolina

General locality... North River Currituck Sound

Locality... Currituck and Vicinity North Landing River

Scale 1/10,000 Date of survey... Oct., 1934

Vessel... M.V. Matoma

Chief of Party... J. C. Sammons

Surveyed by... J. H. Tiller Jr.

Inked by... J. H. Tiller Jr.

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

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

Instructions dated... August 31, 1934

Remarks:

...
INSTRUCTIONS:

Sheet "F" is a part of project H.T. 189 and was surveyed in accordance with orders issued by the Director August 31, 1936.

LIMITS AND SCALE:

Sheet "F" was surveyed on a scale of 1:10,000 and comprises a survey of the southern and western shoreline of North Ldg. Riv. from Station LEE 1911 31 34 southward to Lat 36 - 28.1 to long. 75 - 58.2. It joins sheets "D&H" on the north and "G" on the south.

CONTROL AND SURVEY METHODS:

The control of this sheet consisted of eight triangulation stations so spaced as to give adequate control for the sheet. The usual plane-table methods were employed. Each topographic signal was located by resection. This was due to the spacing of the triangulation stations. A short traverse was run at Currituck to locate some of the important buildings.

DESCRIPTION:

The shoreline of this area is bordered by a fringe of pine and cypress trees from station Lee to Currituck, Station Love. From station Love to station How the shoreline is mostly bare with an occasional stretch of sand beach. Back of the tree line is a cultivated area with some exceptions.

During a strong northeast wind the tide drops and causes the shoreline to be much further out. In some places over one hundred meters. The mean shoreline was rodded in.

Currituck is a small village of about one hundred people located around station Love. It is the county seat of Currituck County. There is an old wharf that is in very bad condition here. It is used to unload fish by the local fishermen. Since the topography was completed several new stores have been erected in this area.

MAGNETIC MERIDIANS:

Magnetic meridians were taken at stations BELL and MACK.
DESCRIPTIVE REPORT
TO ACCOMPANY SHEET "F"

NEW NAMES:

No new names appear on this sheet. ✓

LANDMARKS:

Land marks appearing on this sheet are forwarded ✓
on form 567.

ALUMINUM SHEETS:

An aluminum sheet was used and found to be very ✓
satisfactory.

STATISTICS:

<table>
<thead>
<tr>
<th>Description</th>
<th>Miles</th>
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<tbody>
<tr>
<td>Area</td>
<td>6.5</td>
</tr>
<tr>
<td>Shoreline</td>
<td>6.1</td>
</tr>
<tr>
<td>Traverse</td>
<td>1.1</td>
</tr>
</tbody>
</table>

Respectfully submitted

James H. Tiller Jr.,
Observer.

APPROVED:

J. C. Sammons, Chief of Party,

By: Raymond Eyman. Raymond P. Eyman H & C. Engr.
## List of positions of Signals

<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quack</td>
<td>36 29 158 (1591)</td>
<td>01 1378 (114)</td>
<td></td>
</tr>
<tr>
<td>Raz</td>
<td>26 1512 (337)</td>
<td>1323 (70)</td>
<td></td>
</tr>
<tr>
<td>Can</td>
<td>1177 (672)</td>
<td>1178 (316)</td>
<td>marked by disc.</td>
</tr>
<tr>
<td>She</td>
<td>715 (1154)</td>
<td>972 (522)</td>
<td></td>
</tr>
<tr>
<td>Tex</td>
<td>303 (1545)</td>
<td>772 (722)</td>
<td></td>
</tr>
<tr>
<td>Up</td>
<td>27 1831 (18)</td>
<td>542 (931)</td>
<td></td>
</tr>
<tr>
<td>Oil</td>
<td>1056 (763)</td>
<td>372 (1122)</td>
<td></td>
</tr>
<tr>
<td>Nest</td>
<td>671 (1178)</td>
<td>176 (1318)</td>
<td></td>
</tr>
<tr>
<td>Mac</td>
<td>349 (1500)</td>
<td>00 1493 (1)</td>
<td></td>
</tr>
<tr>
<td>Love</td>
<td>26 1808 (41)</td>
<td>1372 (122)</td>
<td>E. chy. of house</td>
</tr>
<tr>
<td>Bag</td>
<td>1795 (54)</td>
<td>1303 (191)</td>
<td>marked by disc</td>
</tr>
<tr>
<td>Ban</td>
<td>1521 (328)</td>
<td>1150 (343)</td>
<td></td>
</tr>
<tr>
<td>Kid</td>
<td>1123 (728)</td>
<td>720 (774)</td>
<td></td>
</tr>
<tr>
<td>Jig</td>
<td>828 (1023)</td>
<td>156 (1338)</td>
<td></td>
</tr>
<tr>
<td>Abe</td>
<td>564 (1285)</td>
<td>75 59 1050 (444)</td>
<td>marked by disc</td>
</tr>
<tr>
<td>Imp</td>
<td>254 (1589)</td>
<td>58 1457 (27)</td>
<td></td>
</tr>
<tr>
<td>How</td>
<td>684 (1165)</td>
<td>899 (595)</td>
<td></td>
</tr>
<tr>
<td>Property mon.</td>
<td>1801 (48)</td>
<td>00 1412 (82)</td>
<td>granite monument</td>
</tr>
<tr>
<td>Pat</td>
<td>27 1385 (464)</td>
<td>01 457 (1037)</td>
<td></td>
</tr>
</tbody>
</table>
LANDMARKS FOR CHARTS

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

October 28, 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. Emman

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>Windmill</td>
<td>36 22 1220.3 75 59 276.3 N.A.</td>
<td>Triang.</td>
<td>405, 1227, 3252</td>
</tr>
<tr>
<td>Lighted beacon #33 before destruction Jan. 1935</td>
<td>36 28 1250.6 76 00 80.1</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Lighted beacon #33 after being reconstructed 1935</td>
<td>36 28 1259.6 76 00 87.9</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Lighted beacon #35</td>
<td>36 27 1683.9 75 59 64.1</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>&quot; #37</td>
<td>36 27 94.7 75 57 1333.8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>E. gab. Currituck C.H.</td>
<td>36 26 1821.4 76 00 1433.4</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Red chy. wh. ho. &quot;Love&quot;</td>
<td>36 26 1608 76 00 1372</td>
<td>Topo.</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

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, flagstaffs and like objects are not sufficiently permanent to chart.
**GEOGRAPHIC NAMES**

Date... **Nov. 19, 1935.**

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><strong>Great Marsh</strong></td>
<td>406, 1227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Knott Island</strong></td>
<td></td>
<td>406, 1227</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Mackay Island</strong></td>
<td>406, 1227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Bellows Island</strong></td>
<td>736</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>North Landing River</strong></td>
<td>406, 1227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Currituck</strong></td>
<td>1227, 406</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Halfway Pt</strong></td>
<td>736</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Names underlined in red approved by [Signature] [12/36]
REVIEW OF TOPOGRAPHIC SURVEY No. 63648 (1934) Field No. F.
Title (Par. 56) North Landing River, Currituck Sound, North Carolina

1. The survey and preparation of 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 a low flat area and no elevations were taken.

5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) No contours are shown on the sheet.

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. 16a.) No bridges are shown.

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.)

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, 22.) There is no evidence that the declinative 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 J.C. Sammons. Mr. Sammons was relieved as Chief of Party by R. P. Exner and the Report is signed by the latter.

24. Remarks:


Examined and approved:

C. K. Green. Fred. L. Peacock
Chief, Section of Field Records Chief, Section of Field Work

L. L. Colbert. Erwin
Chief, Division of Charts Chief, Division of Hyd. and Top.