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

State: North Carolina

DESCRIPTIVE REPORT

Topographic Hydrographic | Sheet No. R45

LOCALITY

Alligator River
Orange Pt. to Deep Pt.

19.35

CHIEF OF PARTY
Raymond P. Eyman, H. & G. E.
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. .... "R" T6370

REGISTER NO.

State. North Carolina

General locality. Alligator River

Locality. Orange Pt. to Deep Pt.

From Frying Pan through Grapvine Bay

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

Vessel. M.V. Natoma

Chief of Party. R. P. Ewing

Surveyed by. E. L. Jones

Inked by. E. L. Jones

Heights in feet above ground to tops of trees

Contour. Approximate contour. Form line interval. feet

Instructions dated. August 31, 1934

Remarks:

______________________________

S F O
Descriptive Report to accompany
Topographic Sheet "R", Alligator River, N.C.

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 portions of the
shoreline of Alligator River from Orange Pt. to one mile south of
Poplar Ridge Pt. and includes Grapevine Bay.
The sheet is joined on the north by sheet "Q" and on the south by "S".

Control and Survey Methods
The control consisted of 6 triangulation stations which gave
good control over the entire sheet. All of the hydrographic signals were
located by cuts, three point fixes, or resections except the following:
@ Mag: located by rod distance from @ Tim.
@ Raw: " " " a traverse station established from @ Tim.
@ Sap: located by two cuts and a distance from @ Rum.
@ Fuz: " " " " " " " "
The signals Fuz, Sap, and Raw were located by J.C. Bull.
The dashed line off shore at Poplar Ridge Pt. is the outer limits
of water area full of stumps and cypress knees. This line was established
from estimated distances.

General Description of Topographic Features
The entire shoreline is extremely foul with stumps, cypress knees,
and fallen trees. On the entire shoreline, except on the Island at
Grapevine, a heavy growth of cypress, laurel, black gum, and southern pine
extend down to the water's edge.

Statistics
Shoreline - - - - 1.4 stat.mi.
Area surveyed - - 0.2 sq. mi.
Traverse - - ---- 0.2 mi.

New Names
There are no new names appearing on this sheet.

Signals
A list of positions of signals is attached.

Landmarks
There are no prominent landmarks on this sheet other than beacons
which are listed on other sheets.

Respectfully submitted,

[Signature]
Edmund L. Jones,
Aid, Topographer,
<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>35 44 400 (1449)</td>
<td>76 02 1116 (392)</td>
</tr>
<tr>
<td>Fuz</td>
<td>44 198 (1561)</td>
<td>03 02 27 (1461)</td>
</tr>
<tr>
<td>Sap</td>
<td>43 1564 (285)</td>
<td>02 1250 (258)</td>
</tr>
<tr>
<td>Rum</td>
<td>43 1282 (567)</td>
<td>03 219 (1289)</td>
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<tr>
<td>Mut</td>
<td>43 286 (1561)</td>
<td>03 667 (641)</td>
</tr>
<tr>
<td>Jef</td>
<td>42 757 (1062)</td>
<td>03 687 (621)</td>
</tr>
<tr>
<td>Mag</td>
<td>42 710 (1139)</td>
<td>03 273 (1665)</td>
</tr>
<tr>
<td>Tin</td>
<td>42 655 (1194)</td>
<td>02 1485 (23)</td>
</tr>
<tr>
<td>Raw</td>
<td>42 202 (1647)</td>
<td>03 764 (724)</td>
</tr>
<tr>
<td>Lem</td>
<td>44 613 (1856)</td>
<td>75 59 1688 (476)</td>
</tr>
</tbody>
</table>
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. "s" T6379 b

REGISTER NO.

State...North Carolina

General locality...Alligator River

Locality...Orange Pt. to Deep Pt.

New Port News Point and Vicinity

Scale...1/10,000

Date of survey...June 1935

Vessel...M.V. Natoma

Chief of Party...R. 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:...
Descriptive Report to accompany
Topographic Sheet "S", Alligator River, H.C.

Instructions
This work was done in accordance with instructions dated Aug. 31, 1934 for Project HT-189, M.V. Natoma.

Limits and Scale
Surveyed on a scale of 1-10,000 the sheet covers portions of the shoreline of the Alligator River from Whipping Creek to Newport News Pt. and Deep Pt.

The sheet is joined on the north by "R" and on the west by "T".

Control and Survey Methods
The control consisted of 13 triangulation stations adequately spaced to give rigid control over the entire sheet.

Hydrographic signals were all located by cuts, three point fixes, or resections.

A slight discrepancy is noted between the magnetic meridians.

Description of Topographic Features
The shoreline on this sheet is similar to that through the Alligator River, being foul with stumps, knees, and fallen trees.

The area in the vicinity of A Cove is swamp land with a scattering of cypress and pine. The rest of the land area on this sheet is thickly wooded with black gum, laurel, cypress, and southern pine.

Statistics
Shoreline --- 0.7 mi. stat.
Area surveyed --- 0.1 mi. sq.
Traverse --- 0.0

New Names
No new names were found for this area.

Signals
A list of positions of hydrographic signals is attached.

Landmarks
The only landmarks are the beacons which are listed on form 567.

Approved and forwarded,
Raymond P. Eyman
Chief of Party.

Respectfully submitted,
Edmund L. Jones
Aid, Topographer.
<table>
<thead>
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<th>Name</th>
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<th>Longitude</th>
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<tr>
<td>Rot</td>
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LANDMARKS FOR CHARTS

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

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.

\[\text{Chief of Party.}\]

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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<tr>
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<td>35 42</td>
<td>376.3</td>
<td>76 00</td>
<td>1177.9 W.A.1927 Trns. 1228, 2324, 2252</td>
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<td>&quot; &quot; #15</td>
<td>35 40</td>
<td>736.0</td>
<td>76 01</td>
<td>1195.6 &quot;</td>
<td>&quot;</td>
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<tr>
<td>&quot; &quot; #17</td>
<td>35 40</td>
<td>211.5</td>
<td>76 02</td>
<td>616.8 &quot;</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, rod chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
GEOGRAPHIC NAMES

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>
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<tr>
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<td>Grapevine Bay</td>
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<td>Alligator River</td>
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<td>Newport News</td>
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<td>Bear Pt.</td>
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<tr>
<td></td>
<td>Whipping Cr.</td>
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Names approved Dec. 14, 1935
REVIEW OF GRAPHIC CONTROL SURVEY T-6370b, SCALE 1/10000

Date of Review April 3, 1936

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5573, with particular attention to the following details:

   (a) Projection has been checked in the Field.

   (b) Accuracy of location of plane table control points.

   (c) Discrepancies between detail on this survey and the air photo compilations listed above.

   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5573, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Leonard A. McDann
April 3, 1936
REVIEW OF GRAPHIC CONTROL SURVEY T-6370, SCALE 1/10,000

Date of Reviews:
April 7, 1936 (T-5570)
April 3, 1936 (T-5573)
April 10, 1936 (T-5570)

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5570, 5573, with particular attention to the following details:

   (a) Projection has been checked in the field.

   (b) Accuracy of location of plane table control points.

   (c) Discrepancies between detail on this survey and the air photo compilations listed above.

   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5570, 5573, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Leonard A. Talcott
April 7, 1936.