DESCRIPTIVE REPORT

Topographic
Hydrographic

State          North Carolina

LOCALITY
NEUSE RIVER - TRENT RIVER
Vicinity of New Bern, N. C.

1935 - 36

CHIEF OF PARTY
John A. Bond
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. RR 6477

REGISTER NO.

State North Carolina

General locality KENSE River - Trent River

Locality Vicinity of New Bern, N. C.

Scale 1:10,000 Date of survey December-January, 1935-36

Vessel LKATE

Chief of party John A. Bond

Surveyed by Edmund L. Jones

Inked by Edmund 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 RR

Instructions dated August 31, 1934
Project No. HT-197

Neuse River
Trent River

GENERAL DESCRIPTION

This sheet covers a portion of Neuse River from Fort Point to
Duck Point, and the Trent River from James City to Long 77° 05', to-
gether with their adjoining creeks. A sub-plan covers 25 miles of the
Neuse River from the M.S.R.R. bridge northwestward.

The area between the two rivers is mostly high land which is under
cultivation. On the rest of the sheet the land is low and thickly cover-
ed with either brush, cypress, gum and pine trees or tall marsh grass.

CONTROL AND SURVEY METHODS

The control consisted of 21 triangulation stations adequately
spaced to give rigid control on this sheet except for a portion of the
Trent River below station Ferry.

Three point fixes and resections were used over the greater part
of the sheet. Traverse methods were supplemented by graphic triangula-
tion where possible. On the unclosed traverses extra precautions were
taken to guard against errors.

<table>
<thead>
<tr>
<th>Traverse</th>
<th>Distance</th>
<th>Closing error</th>
<th>Remarks</th>
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<tr>
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<td>Statute Mi.</td>
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<tr>
<td>1 Station Ferry - 0 Age</td>
<td>1.7</td>
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<td>2 0 Silk - 0 Silk (Brice Cr.)</td>
<td>2.3</td>
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<td>3 0 Arm - 0 The (Duck Cr.)</td>
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<td>-</td>
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On traverse 2 0 Silk was cut in from Station Ferry and was located
by resections on Station Water Tank and several traverse stations on
traverse 1. On traverse 3 0 Arm was located by a 3 point fix.

The tree line was sketched from cuts and estimated distances.

CHARACTER OF L'ARSHES

The marsh area is covered with high marsh grass the lower portion
of which, in most cases, is not covered by high water.

NEW NAMES

The creek shown as Darkhorse Creek on chart 538 is known locally
as Scotts Creek. It is also referred to as Scotts Creek on a bronze
tablet set in the highway bridge crossing the creek at James City.
COMPARISON WITH PREVIOUS SURVEYS

The road shown on chart 536 at Station Ferry does not now exist. The bridge over Brice Creek is now located \( \frac{3}{4} \) mile to the west of the old location.

LANDMARKS

"Landmarks for Charts" and "Non-floating Aids to Navigation" have been submitted as separate reports.

RECOVERABLE TOPOGRAPHIC STATIONS

Other than triangulation points there are no recoverable stations in the area covered by this sheet.

Submitted by,

[Signature]

E. L. Jones
Aid, U.S.C.& G.S.

Approved by:

[Signature]
John A. Bond
H. & G. Engr.
Chief of Party
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<tr>
<th>Remarks</th>
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<tr>
<td>&quot;Haiti&quot; in 1866</td>
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<td>&quot;Dark Horse Creek&quot; in 1866</td>
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<td>&quot;Darner Horse&quot; on chart 538</td>
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<td>time, as it is a valuable &quot;place name,&quot;</td>
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<td>though it may not be operable.</td>
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<td>Scotts Creek</td>
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<tr>
<td>Lewis Ferry</td>
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Names underlined in red approved on 6/15/36
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT  }
PHOTOSTAT OF

No. H  }
No. T  6477

received APR 21 1936
registered MAY 20 1936
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

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C. K. Green
REVIEW OF TOPOGRAPHIC SURVEY No. 6477

Title (Par. 56) Vicinity of New Bern, North Carolina

Chief of Party J.A. Bond  Surveyed by E.L. Jones  Inked by E.L. Jones


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, 60.)

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.)

   See reverse side

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.
Paragraph 9

T1031 (1866)

This survey is in fair agreement with the present survey T6477, except where there have been man made Changes. New docks are shown on T6477, and old ones gone as shown on T1031.

The H. W. line even along the marshes is generally in fair agreement. A bridge shown on T1031 at Lat. 35°-04.'8 on the Trent River does not appear on T6477. From the name of the triangulation station nearby, it would seem that a ferry was in existence now at this point.

T6477 supersedes T1031 in part.
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.) None submitted.

16. A list of landmarks for charts was furnished on Form 537 and plotting checked. (Par. 16d, e, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declination checked value on chart. No note of having checked declinature.

18. The geographic datum of the sheet is N.A. 1827 (Adjusted) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate. -
   Joins T6476 in the center of the survey
   Joins T6476 (1935) on the East

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 Charles P. Brinkley June 17, 1936

Examined and approved:

C. N. Green
Chief, Section of Field Records

Fred L. Peacock
Chief, Section of Field Work

L. O. Dobbie
Chief, Division of Charts

Wade
Chief, Division of Hyd. and Top.