

6470

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Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. JJ
State North Carolina	
LOCALITY	
NEUSE RIVER	
Beard Creek - Hancock Creeks	
193 5	
CHIEF OF PARTY	
John A. Bond	

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. 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. JJ

6470

REGISTER NO.

State North Carolina

General locality NEUSE RIVER

Locality Beard Creek - Hancock Creeks

Scale 1:10,000 Date of survey October, 1935

Vessel MIKAME

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 JJ

INSTRUCTIONS DATED AUGUST 31, 1934
Project No. HT-197

NEUSE RIVER
Beard Creek
Hancock Creek

GENERAL DESCRIPTION

This sheet covers the main portion of Beard and Hancock Creek.

The shoreline is extremely soft and is bordered by a narrow strip of high marsh grass. The adjacent area is thickly covered with a heavy growth of brush, cypress, gum and pine.

CONTROL AND SURVEY METHODS

The control consisted of 3 triangulation stations on Beard Creek and 2 triangulation stations on Hancock Creek, none of which were inter-visible from the ground. The planetable was oriented from azimuth marks set by the triangulation party.

Traverse methods were supplemented by graphic triangulation where possible. On the unclosed traverses extra precautions were taken to guard against error.

Traverse		Dist. Sta. Miles	Closing error	Remarks
1	ΔStation Red Hill - ΔStation Baird	0.8	5.0 m	adjusted
2	ΔStation Red Hill - O Hay	1.6	0.0	
3	ΔStation Woods - ΔStation Fritz	1.5	5.0	adjusted
4	ΔStation Woods - O Gad	1.2	5.0	unadjusted
5	ΔStation Fritz - O Mag	1.1		Unclosed
6	O Jak - O Eve	2.1		Unclosed

On traverse 1 it is believed that the large closing error was due mainly to short traverse distances and to the extremely soft condition of the shoreline.

Traverse 4 was not adjusted on this sheet. A field examination, consisting of a cut on O Gad from a careful location of the azimuth mark at ΔStation Woods, indicated the transferred position of O Gad in error. *The geographic position of O Gad on T-647(1935) has been adjusted to that on the present survey by the field party, 11/1/35.*

On traverse 6, O Jak is a traverse station on traverse 4. From this station azimuth cuts were taken on planetable set-ups for approximately one mile up Kahooke Creek.

The treeline was sketched from cuts and estimated distances.

CHARACTER OF MARSHES

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

NEW NAMES

There are no new names appearing on this sheet.

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,

Edmund L. Jones

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

Approved by,

John A. Bond
John A. Bond
H. & G. Engineer
Chief of Party

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. **6470**

GEOGRAPHIC NAMES											
Survey No. 6470											
Name on Survey											
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Names underlined in red approved
by **C.R.V.D.** on **6/2/36**

REVIEW OF TOPOGRAPHIC SURVEY No. 6470 (1935) Field No. JJ

Title (Par. 56) Beard and Hancock Creeks, Neuse River, N.C.Chief of Party John A. Bond Surveyed by E.L. Jones Inked by E.L. JonesShip MIKAWA Instructions dated Aug. 31, 1934 Surveyed in October 1935
(NATOMA)

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.) ✓
Discrepancies noted are discussed in the D.R. (page 1).
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
No contours shown.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) ✓
No contours 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~~ ^{offshore} 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. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aere-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 IMs and DPs, 68.) ~~None established due to adequacy of triangulation.~~ ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian ^{but there is no evidence that the declinatoire} was shown ~~and declination~~ was checked. (Par. 17, 52.) ✓
18. The geographic datum of the sheet is North American 1927 and the values ^{of the} reference station is ~~correctly noted.~~ (Par. 34.) ^{are based on a field adjustment. These are not available.} ✓
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

Harold W. Murray
Inspected by L. R. Solbert

May 29, 1936

Examined and approved:

C. H. Green
Chief, Section of Field Records

Fred R. Peacock
Chief, Section of Field Work

L. O. Solbert
Chief, Division of Charts

W. H. Hilde
Chief, Division of Hyd. and Top.

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. H

No. T **6470**

{ 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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C. K. Green