

6416

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. AA

6416

State North Carolina

LOCALITY

~~Pamlico Sound~~ - Pamlico River

Durham Creek

1935

CHIEF OF PARTY

John A. Bond

U. S. GOVERNMENT PRINTING OFFICE: 1934

6416

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
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REG. NO.

MAR 13 1936

Acc. 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. AA

REGISTER NO. 6416

State North Carolina

General locality ~~Pamlico Sound~~ - Pamlico River

Locality Durham Creek 12

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

Vessel MIKAWA

Chief of party John A. Bond

Surveyed by D. M. Watt

Inked by D. M. Watt

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 AA.

Instructions dated August 31, 1935
Project No. HT-197

Pamlico River
Durham Creek

GENERAL DESCRIPTION

This sheet covers all the shoreline of Durham Creek to the highway bridge and all of Porter and Lee Creeks. It is joined on the north by sheet Q.

The general appearance of this territory, from the water, is wooded with scattered farms. Near the head of the creek there is a strip of marsh of varying width up to 200 meters along the shoreline. It is wooded just behind this marsh area.

LANDMARKS

There are no landmarks for charts or non-floating aids to navigation on this sheet.

CONTROL

This sheet is controlled with triangulation established from 1933 to 1935 and adjusted in the field to the North American 1927 datum.

SURVEY METHODS

Standard Coast Survey methods were used throughout. Traverses were run between triangulation stations.

RECOVERABLE PLANETABLE POSITIONS

No recoverable planetable positions were established on this sheet.

GEOGRAPHIC NAMES

The geographic names shown in pencil on this sheet were taken from Chart 537 and are well known locally.

Submitted by,

D. M. Watt
D. M. Watt
Surveyor, 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. T6416

Name on Survey	On Chart No. 537		On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
	A	B									C
<u>LEE Creek</u> ✓	*				✓						1
<u>Durham Creek</u> ✓	*				✓						2
<u>Porter Creek</u> ✓	*				✓						3
											4
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Names underlined in red approved
by ERTD on 5/4/35

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } No. ~~H~~
 PHOTOSTAT OF } No. T 6416

{ received March 13, 1936
 { registered March 26, 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.

ROUTE		Initial	Attention called to
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RETURN TO

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C. K. Green Mar. 27 '36

REVIEW OF TOPOGRAPHIC SURVEY No. 6416(1935) Field No. AA

Title (Par. 56) *Durham Creek, Pamlico River, N.C.*Chief of Party *John A. Bond* Surveyed by *D.M. Watt* Inked by *D.M. Watt*Ship *MIKAWA* Instructions dated *Aug. 31, 1934* Surveyed in *July 1935*
(*CNATOMA*)

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.)
except that the errors of closures were not listed. ✓
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.) *No low water line shown. What appears to be a low water line in some cases is labeled "grass". It is therefore assumed that several unlabeled areas are likewise grass limits.* ✓
9. ~~Rocks and other~~ important ^{offshore} details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
See Rev. of H-5718(1935), par. 1c, for disposition of several important features falling outside the high water line in lat. 35°21.9', long. 76°51.6' and lat. 35°22.9', long. 76°49.4'. See Note on back.
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, continued.

The charted islets in lat. $35^{\circ}21.9'$, long. $76^{\circ}51.6'$ and lat. $35^{\circ}22.9'$, long. $76^{\circ}49.4'$ originate with T-1210 (1871) and were not found on the present survey. The first islet was also faintly shown on the old hydrographic sheet, H-1100 (1871). It falls close to a shoal area on the present hydrographic survey and it is quite likely that the islet has eroded away. It should be disregarded in future charting. The second islet was not shown on the old hydrographic sheet. It falls in depths of 5 to 6 feet on the present hydrographic survey and an examination of the old topographic sheet shows that it may have been the point in the word "CR." of Durham Creek and when the full name Creek was inked, ^{removal of the} ~~the~~ ~~period~~ was neglected ~~to be removed~~. It should be disregarded in future charting.

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 established aside from Δ stations.* ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *No landmarks in this area.* ✓
17. *but there is no evidence that the declination*
The magnetic meridian 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.) *values will be checked when the adjusted values are available. These 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 A. L. Shand

May 15, 1936

Examined and approved:

G. H. Green.
Chief, Section of Field Records

R. O. Lobbut.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

Glade
Chief, Division of Hyd. and Top.