

5961

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

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. 12 **5961**  
Hydrographic }

State North Carolina

LOCALITY

PAMLICO RIVER

Bath and Blount Creeks

1935

CHIEF OF PARTY

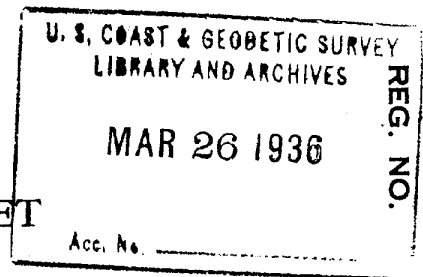
John A. Bond

U. S. GOVERNMENT PRINTING OFFICE: 1934

5961

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET



1231-7

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 12 **5961**

<sup>5961</sup>  
REGISTER NO.

State North Carolina

General locality PAMLICO RIVER

Locality Bath and Blount Creeks

Scale 1:10,000 Date of survey July-August, 19 35

Vessel MIKAWA

Chief of Party John A. Bond

Surveyed by T. A. Rydingsvard and P. C. Cook

Protracted by John C. Bull

Soundings penciled by John C. Bull

Soundings in ~~fathoms~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by \_\_\_\_\_

Inked by George F Jordan

Verified by George F Jordan

Instructions dated August 31, 19 34

Remarks: \_\_\_\_\_

\_\_\_\_\_

## DESCRIPTIVE REPORT

To Accompany Hydrographic Sheet No. 12

PAMLICO RIVER - Bath and Blount Creeks.

DATE OF INSTRUCTIONS - August 31, 1934

Project - HT-197

### LIMITS

The sheet, covers in separate layouts Bath and Blount Creeks, tributaries of Pamlico River. The Bath Creek survey joins sheet 11; the Blount Creek survey joins sheet 13. Both adjoining sheets were surveyed this season by the party of the MIKAWA.

### SURVEY METHODS

Standard Coast Survey methods of hand lead soundings and sextant fixes were used throughout. Leadline was Samson Mahogany tiller rope graduated in feet and fathoms, used with an 8 pound lead. The leadline held its length remarkably well and no leadline corrections are necessary throughout any of the work.

The boat used was a 24 foot skiff equipped with sounding chair and plotting table, and powered by a Johnson 9 H.P. outboard motor.

### DISCREPANCIES

No discrepancies are known to exist. Errors in the sounding records, principally in recording of angles and fixes, have been adjusted during the smooth plotting and noted in colored pencil in the sounding records.

### DANGERS

No dangers are known to exist which would obstruct small boat navigation in the mid-stream channels of the creeks.

### COMPARISON WITH PREVIOUS SURVEYS

In comparison with soundings shown on chart 537 depths appear to have remained remarkably constant except at the south end of Blount Creek (south of signal Dux) where much shoaler depths were found in the narrow part of the stream.

### SHORELINE ON SMOOTH SHEET

All shoreline shown on the smooth sheet was carefully transferred from aluminum mounted sheets surveyed this season by standard topographic methods.

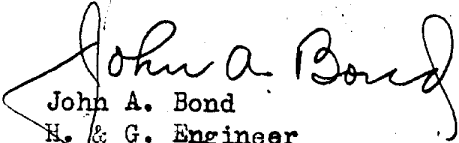
LANDMARKS FOR CHARTS

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

Submitted by,

T. A. Rydingsvard, Surveyor  
and  
P. C. Cook, Observer

Approved by:

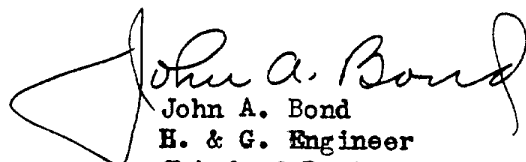
  
John A. Bond  
H. & G. Engineer  
Chief of Party

537

## LIST OF STATISTICS - SHEET 12

Date	Day Letter	Volume	Statute Miles	Soundings	Positions
July 19	a	1	20.0	781	176
20	b	1	8.3	347	75
24	c	1	3.4	150	42
25	d	2	16.8	691	176
Aug. 1	e	2	11.9	464	121
2	f	3	15.4	585	147
			<hr/>		
			75.8	3018	737

Smooth Sheet No. 12 was plotted under the immediate supervision of the Chief of Party. The sheet and accompanying records have been inspected and are approved.

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

210

### TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis

Tide Reducers are approved in  
3 volumes of sounding records for

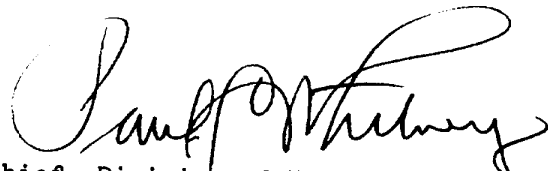
HYDROGRAPHIC SHEET 5961

Locality Bath and Blount Creeks, Pamlico River, N.C.

Chief of Party: John A. Bond in 1935  
Plane of reference is mean low water reading  
3.0 ft. on tide staff at Bath  
4.8 ft. below B.M. 1

There is practically no periodic tide in this area and the plane of reference was taken 1/2 foot below mean water level.

Condition of records satisfactory except as noted below:

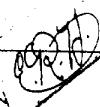
  
Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. **H5961**

On Chart No. **537**  
 On previous survey No. \_\_\_\_\_  
 On U. S. Government Maps **1945X**  
 From local information \_\_\_\_\_  
 On local Maps \_\_\_\_\_  
 P. O. Guide or Map \_\_\_\_\_  
 Rand McNally Atlas \_\_\_\_\_  
 U. S. Light List \_\_\_\_\_

Name on Survey	A	B	C	D	E	F	G	H	K	
<u>Bath Creek</u> ✓	*		-							1
<u>Back Creek</u> ✓	*									2
<u>Blount Creek</u> ✓	*		-							3
										4
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by  on 4/15/36



H5961

Remarks

Decisions

	Remarks	Decisions
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Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **5961** .....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.....737
Number of positions checked	.....25
Number of positions revised	.....1
Number of soundings recorded	.....3018
Number of soundings revised	.....2
Number of signals erroneously plotted or transferred	.....1

Date: April 29, 1936

Verification by George F Jordan

Time: 22 1/4

Review by

*G. Pisegani*

Time:

~~14~~ hrs.

HYDROGRAPHIC SURVEY NO. 5961

Smooth Sheet 1

Boat Sheet 1

Sounding Records 3 Vols. \_\_\_\_\_

Descriptive Report yes

Title Sheet yes

List of Signals yes

Landmarks for Charts (Form 567) yes

Statistics yes

Approved by Chief of Party yes

Recoverable Station Cards (Form 524) No

Special Chart for Lighthouse Service No  
(Circular Nov. 30, 1933)

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

No. H **5961**  
~~No. TX~~

received *Mar 26, 1936*  
 registered *March 31, 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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62			
63			
82			
83			
88			
90			

RETURN TO

82	
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G. K. Green *April 1 '36*

VERIFIER'S REPORT ON H-5961 (1935)

1. Survey H-5941 (1935) joins Bath Creek, and H-5950 (1935) joins Blount Creek. ✓

2. Control and shoreline for Bath Creek are taken from Field Sheet "BB" and T-6409; for Blount Creek from Field Sheet "CC". "BB" and "CC" are in this office but not registered. Comparison has been made. ✓

3. The field records conform to the requirements of General Instructions.

4. Remarks,

a. Although topographic signals "ARO", "MIS", "FO", "LUP", are believed to be piles, no symbols or explanatory descriptions are given at their locations. *These signals are undisturbed on piles.*

b. A pile at 28.07<sup>E</sup>/48.68' is obtained solely from the boat sheet. No other reference is made to it. ✓

c. No notes were made in the record books to passing features, leaving in especial doubt which side of the pile the sounding line passed in the creek at 28.1'/49.1'. ✓

Respectfully submitted

*George F. Jordan*  
George F. Jordan

April 29, 1936

*Location of Tide Gage at Bath not given.*

*No air photos available for this area.*

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5961 (1935) FIELD NO. 12

Bath and Blount Creeks, Pamlico River, North Carolina  
Surveyed in July, August, 1935  
Instructions dated August 31, 1934 (NATOMA)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - J. A. Bond.  
Surveyed by - T. A. Rydingsvard, P. C. Cook.  
Protracted by - J. C. Bull.  
Soundings penciled by - J. C. Bull.  
Verified and inked by - G. F. Jordan.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

In a number of cases no mention was made, in the sounding volumes, of features that were passed and were close to the sounding lines.

The Descriptive Report is complete as to essential details and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

This survey satisfactorily complies with the instructions for the project.

3. Shoreline and Signals.

The shoreline and signals originate with plane table surveys, T-6409 (1935), T-6464 (1935) and T-6465 (1935).

4. Sounding Line Crossings.

No general system of cross lines were run. However, those that result from the work, as well as adjacent lines are in good agreement.

5. Depth Curves.

Within the limits of the survey, the usual depth curves may be satisfactorily drawn.

6. Junctions with Contemporary Surveys.

The junction with H-5950 (1935) on the north with Blount Creek is satisfactory.

The junction with H-5941 (1935) on the south with Bath Creek is satisfactory.

7. Comparison with Prior Surveys.

H-1100 (1871), H-1101 (1871).

These surveys, scale 1:20,000, cover the area of the present survey; the former covering Bath Creek and the latter Blount Creek, as well as covering their respective tributaries. A comparison reveals that a number of changes in depths have taken place in which some areas have shoaled, while other areas have deepened. For example, the adjacent portion of the channel south of the bridge in Bath Creek and the portion of the channel west of the bridge in Back Creek, have deepened from 1/2 to 1 foot. In Blount Creek, between lat. 35°25.0', and lat. 35°25.6', a general deepening in the channel from about 1, to 2 foot has occurred, while in the channel between lat. 35°24.3', and lat. 35°24.7', a shoaling as much as 3 feet has taken place. Outside of the changes noted above and a few other changes of minor importance, the agreement in depths in general with the present survey is fairly good. Because of the time elapsed since the earlier surveys, and the fact that the present survey is more detailed and is on a larger scale, H-5961 (1935) should supersede the old surveys for charting purposes.

8. Comparison with Chart No. 537 (New Print dated Feb. 15, 1933).

a. Hydrography.

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs and contains no additional information that needs consideration in this review. Attention is called to the large dot in approximate lat. 35°27.45', long. 76°49.4', the origin for which could not be found. It first appeared on the first chart edition of Chart No. 537 (1914) and has been carried forward in the subsequent editions. This dot is believed to be an enlarged sand dot and should be expunged from the charts.

b. Aids to Navigation.

The charted beacon in Bath Creek is in substantial agreement with the position located by the present survey.

9. Field Plotting.

The protracting and the plotting was well done.

10. Additional Field Work Recommended.

This survey is very satisfactory and no additional work is required.

11. Superseding Old Surveys.

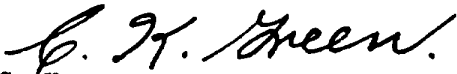
Within the area covered the present survey supersedes the following surveys for charting purposes:

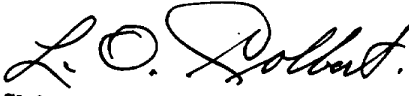
H-1100 (1871) in part  
H-1101 (1871) " "

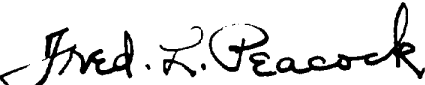
12. Reviewed by - G. Risegari, June 1, 1936.


Inspected by - E. P. Ellis, June 17, 1936.

Examined and approved:

  
C. K. Green,  
Chief, Section of Field Records.

  
Chief, Division of Charts.

  
Chief, Section of Field Work.

  
Chief, Division of H. & T.



Applied to Drawing of Chart 537, Dec. 7, 1936. N.B.