

5856

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

AUG 8 1935

Acc. No. ...

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. 5

State North Carolina

LOCALITY

~~PAMLICO SOUND~~ + Pungo River

Slade and Fortescue Creeks

1935

CHIEF OF PARTY

John A. Bond

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

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

Acc. No. _____

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. 5

REGISTER NO. **5856**

State North Carolina

General locality ~~Pamlico Sound~~ + Pungo River

Locality Slade and Fortescue Creeks

Scale 1:10,000 Date of survey Feb.-Mar., 19 35

Vessel MIKAWA

Chief of Party John A. Bond

Surveyed by D. E. Sturmer and T. A. Rydingsvard

Protracted by W. F. Kiley

Soundings penciled by W. F. Kiley

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. 5

Pungo River - Slade and Fortescue Creeks.

DATE OF INSTRUCTIONS - August 31, 1934

AUTHORITY

This sheet was executed in accordance with Director's instructions under Project HT-197.

SURVEY METHODS

Standard Coast Survey methods of hand lead soundings were used throughout. Positions were obtained by sextant angles and by plotting in relation to nearby topographic detail at heads of creeks where sextant fixes were impracticable. Leadline was Samson mahogany wire-centered tiller rope marked to fathoms and feet, used with an eight pound lead. Boat used was a 24 foot skiff equipped with a sounding chair, plotting table and outboard motor. Signals were cloth banners located by planetable topography and triangulation.

DISCREPANCIES

Discrepancies in the record, principally in recording of angles, were adjusted during smooth plotting and indicated in the records in red. No other discrepancies are known to exist.

DANGERS

No dangers are known to exist. The shoal areas along the shores are clearly indicated by depth curves. Small boats navigating in the shoal areas should be careful of sunken logs left by former extensive logging operations over this entire area.

CHANNELS

There are no marked channels. The deepest water is generally found near the middle of the streams gradually shoaling toward the banks and head.

ANCHORAGES

Both creeks afford good small boat anchorage within draft limits shown by their respective soundings.

COMPARISON WITH PREVIOUS SURVEYS

The sheet was compared with sheet No. 1140a (1872). Good agreement in depth curves and general depths was found throughout with a slight shoaling near the heads of some of the smaller creeks. The present survey is more detailed.

LANDMARKS FOR CHARTS

There are no objects within the limits of the sheet suitable for charting as landmarks.

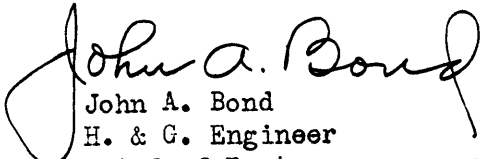
GEOGRAPHIC NAMES

See photo-compilation of S. B. Grenell. ✓

Submitted by:

T. A. Rydingsvard
Surveyor, C. & G. S.

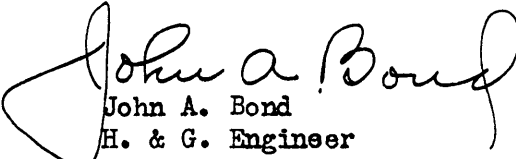
Approved:


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

STATISTICS FOR SHEET NO. 5

Date 1935	Day	Vol.	Miles	Soundings	Positions
Feb. 26	a	1	17.4	802	185
Mar. 1	b	1	4.0	179	48
4	c	1	5.3	285	85
7	d	1 & 2	15.6	721	136
8	e	2	17.0	658	151
9	f	2	3.5	178	34
11	g	3	16.0	704	155
14	h	3	9.1	440	103
Totals			87.9	3967	879

Smooth sheet No. 5 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

HYDROGRAPHIC SURVEY NO. 5856

Smooth Sheet 1

Boat Sheet 1

Sounding Records 3 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes in Vol. 1

Landmarks for Charts (Form 567) None *49*

Statistics Yes

Approved by Chief of Party J. A. Bond

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service None
(Circular Nov. 30, 1933)

Remarks _____

Field Records Section (Charts).

HYDROGRAPHIC SHEET NO. ...**5856**

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

Number of positions on sheet	.879..
Number of positions checked	..28..
Number of positions revised	...1..
Number of soundings recorded	3967..
Number of soundings revised9
Number of signals erroneously plotted or transferred0

Date: Mar. 13, 1936

Verification by George F Jordan

Time: 26

Review by *S. Prigari*

Time: *10 hrs.*

VERIFIER'S REPORT ON H 5856 (1935)

1. Survey H 5829 (1935) makes a satisfactory junction with this survey on the west. ✓
2. Control is obtained from T 6344 and T 6346 (1935). The shoreline checks with A.P.Comp. # 5551 and # 5555. Necessary detail was transferred. ✓
3. The field records conform to the requirements of General Instructions with one exception. All breaks in lines were noted as "line ends" with few G.P.'s. ✓
4. No additional plotting or changes were made.
5. Remarks-
 - a. The $\frac{1}{2}$ ft sounding (Pos 75e, 6th sounding) at ~~28.6~~ 32.5 is believed to be an error in recording 1 ft instead of 1 fathom. Attention is called to the boat sheet on which no shallow sounding is entered at this location.
 - b. The Tide Gage is not located within the confines of this survey.

Lat. $35^{\circ}28.63'$ long. $76^{\circ}32.42'$

Respectfully submitted

George F. Jordan
George F. Jordan

Mar. 13, 1936

* This sounding is probably 5' ft and was probably misheard by the recorder. The boat sheet plotting as well as the depths on H-11409 (1872) do not corroborate the $\frac{1}{2}$ foot sounding. This sdg. is omitted on the sheet as it is considered to be erroneous.

R

Date Aug. 9, 1935

GEOGRAPHIC NAMES
N. CAROLINA

Survey No. H5056

Chart No. 1231

Diagram No. 1231-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	-----	<u>Pungo River</u>			175.
	<u>Slade Creek</u>	Same			140.
	<u>Fortescue Creek</u>	"			140.
	<u>Quilley Point</u>	"			120.
		APPROVED NAMES UNDERLINED IN RED H. L. FLEMING			

200

August 13, 1935.

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

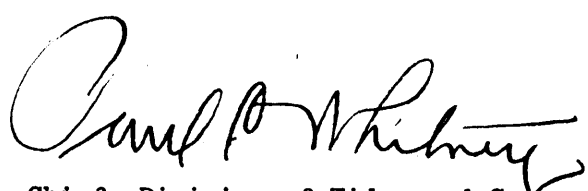
HYDROGRAPHIC SHEET 5856

Locality **Slade and Fortescue Creeks, Pungo River, North Carolina.**

Chief of Party: **John A. Bond** in 1935.
Plane of reference is **mean low water reading**
2.8 ft. on tide staff at **Belhaven**
2.9 ft. below **B.M. 1**

There is practically no astronomical tide and the plane of reference was taken half a foot below mean water level.

Condition of records satisfactory except as noted below:


Chief, Division of Tides and Currents.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5856 (1935) FIELD NO. 5

Slade and Fortescue Creeks, Pungo River, N. C.

Surveyed in Feb. - Mar. 1935

Instructions dated August 31, 1934.

Hand Lead Soundings.

3 Point Fixes on Shore Signals.

Chief of Party - J. A. Bond.

Surveyed by - D. E. Sturmer, T. A. Rydingsvard.

Protracted by - W. F. Kiley.

Soundings penciled by - W. F. Kiley.

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.

The Descriptive Report is complete in details and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project.

3. Shoreline and Signals.

The shoreline originates with Air Photo Compilation surveys T-5551 (1935) and T-5555 (1935). The topographic signals are from graphic control sheets T-6344 (1935) and T-6346 (1935).

4. Sounding Line Crossings.

No cross lines were run but the agreement with adjacent lines is good.

5. Depth Curves.

The usual depth curves can be completely drawn including portions of the low water curve.

6. Junctions with Contemporary Surveys.

The junction with H-5829 (1935) on the west is satisfactory.

7. Comparison with Prior Surveys.

H-1140a (1872).

This survey is on a scale of 1:20,000 and covers the Slade and Fortescue Creeks area of the present survey. In the main portions

of the Creeks the agreement is good, but near the heads and in most of the smaller tributaries a general shoaling has occurred since the old survey, ranging from 1/2 to 1 foot.

The only noticeable change that has occurred in the shoreline is on the north shore at the mouth of Slade Creek. The small peninsula in approximate latitude 35°27.7', longitude 76°33.1', originating with T-1273 (1872), is now broken up into 2 islets, and the islet off the end of the peninsula evidently has eroded so that at present there are depths of 1/2 to 1 foot in its place.

The present survey has adequately covered the common areas and since it is on a larger scale and more closely developed it should supersede the old work for charting purposes.

8. Comparison with Chart No. 3253 (New Print dated Nov. 1, 1935)

Within the area of the present survey the chart is based on H-1140a (1872) discussed in the foregoing paragraphs and contains no additional information that needs consideration in this review.

9. Field Plotting.

The protracting and the plotting were well done.

10. Doubtful Sounding.

The 1 foot sounding (unreduced) recorded between pos. 75e and 76e, Vol. 2, falls in depths of 5 feet (reduced) in latitude 35°28.63' longitude 76°32.42'.

There is no indication of shoaling in this vicinity, neither on the present survey nor on H-1140a (1872), the two being in good agreement. The 1 foot sounding is recorded between a 5-1/2 foot sounding and a 1 fathom sounding. The doubtful sounding was plotted on the boat sheet as 6 feet (unreduced) and it is quite probable that the sounding was misheard by the recorder and should have been 1 fathom instead of 1 foot. The sounding is considered erroneous and has been omitted from the sheet.

11. Additional Field Work Recommended.

This survey is complete and no additional work is required.

12. Superseding Old Surveys.


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


H-1140a (1872) in part.

13. Reviewed by - G. Risegari, Mar. 23, 1936.


Inspected by - A. L. Shalowitz.

Examined and approved:


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


K. T. Adams
Acting Chief, Division of Charts.


Fred. L. Peacock
Chief, Section of Field Work.


G. F. Wade
Chief, Division of H. & T.

25 Dec. 31, 1935

Applied to chart No 832 Jan. 21, 1937 R.L.J.
Applied to chart No. 1231 April 21, 1937 H.S. MacSwan