

4929

4929

Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic Hydrographic	Sheet No. <u>E¹</u>
State <u>Virginia & N. Carolina</u>	
LOCALITY	
<u>Currituck Sound</u>	
<u>Northwest River</u>	
1935	
CHIEF OF PARTY	
<u>R.P. Eymann</u>	

Appina & Ch# 1227 - Nov 36 N. O. Gault

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC
LIBRARY AND ARCHIVES

NOV 16 1935

Acc. No. _____

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. _____ H'

REGISTER NO.

State..... North Carolina - Virginia

General locality..... Currituck County, N.C. Sound

Locality..... ~~Tell Bay~~ and Northwest River.

Scale..... 1-10,000 Date of survey Jan. - Feb., 1935

Vessel..... M.V. Natoma.

Chief of Party..... Raymond P. Eymann.

Surveyed by..... J.H. Tiller, JR., Observer.

Inked by..... " " " "

Heights in feet above..... to ground to tops of trees

Contour, Approximate contour, Form line interval..... feet

Instructions dated..... August 31, 1934, 19

Remarks:.....

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC
SHEET "H" "

NORTHWEST RIVER

INSTRUCTIONS:

Sheet H' was surveyed as a part of project H.T. 189 and was surveyed in accordance with instructions issued by the Director August 31, 1934.

LIMITS AND SCALE:

Sheet H' was surveyed on a scale of 1:10,000 and comprises a survey of Northwest River from Station Boyd 1935 to Station Maxwell 1935. The sheet is joined on the East by sheet H.

CONTROL AND SURVEY METHODS:

The control for sheet H' consisted of three triangulation stations. Stations Boyd 1935, Creekmore 1935 and Maxwell 1935. The location of all topographic signals and features had to be done by plane-table traverse. Two traverses were run to locate the shoreline and signals.

The first traverse was run from Station Boyd 1935, to station Creekmore 1935 a distance of 4.8 miles. The error of closure was nineteen meters. This being a Wattman sheet the error was within the allowable limits and was adjusted according to special publication 144. The second traverse started at station Creekmore and run to station Maxwell 1935. The error of closure was eight meters, the distance traversed 3.4 miles. The large error in the first traverse is believed to be due to the changeable weather conditions experienced in this traverse. Rain and cold with a very warm day. The sheet was found to be distorted to a large extent upon completion. Excellent weather was experienced on the last traverse and a better closure obtained.

DESCRIPTION:

The shoreline of the Northwest River is very irregular and broken with many small creeks. From station HIP to Station NAP on the southern shore, the shoreline is bordered by pine and cypress trees.

The eastern and northern shoreline from just south of station Old to station Maxwell is bordered by pine and cypress trees. The remainder of the shoreline is bordered by marsh lands. There is only one wharf in this vicinity. This being an old wharf in need of repair at Station Old. There appears to be very little use of this river at present. Only local fishermen and trappers. The highways have caused the decline in use. It was learned through natives that before modern highways this river was used to ship logs and such agricultural products as were raised in this area.

NEW NAMES:

No new names appear on this sheet.

LANDMARKS:

There are no distinguishing landmarks on this sheet.

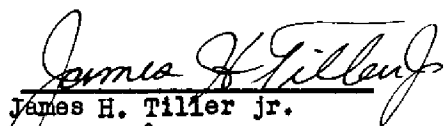
WATTMAN SHEET:

A Wattman sheet was used for this area due to the relative unimportance of the area. The sheet was found to have a large distortion due to changes in the weather. After using an aluminum backed sheet on the previous sheet it is readily seen how far superior the Aluminum backed sheet is to the Wattman sheet for field use.

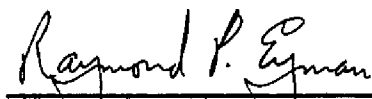
STATISTICS:

Area 6.0 sq. miles.
Shoreline 15.6 stat. miles
Traverse 8.2 miles.

Respectfully submitted


James H. Tiller Jr.
Observer.

APPROVED:


Raymond P. Eymann, E.&.G. Engr.
Chief of Party

List of positions of Signals

<u>Name</u>		<u>Latitude</u>		<u>Longitude</u>	<u>Remarks</u>
Deep	36 34	440 (1409)	- - 76 09	787 (706)	
Cod		364 (1485)		259 (1233)	
Hell	33	1568 (281)		385 (1107)	
Old		1558 (291)		278 (1214)	
Keen		1147 (702)		519 (973)	
Flat		845 (1004)		739 (753)	
Lot		347 (1502)		492 (1000)	
Coal		149 (1700)		176 (1316)	
Til	32	1625 (224)		212 (1280)	
Fan		1161 (688)		116 (1376)	
Deck		850 (899)		225 (1267)	
Nab		746 (1103)		479 (1013)	
Hay		632 (1217)		120 (1372)	
Off		281 (1568)		10 (1482)	
Pan		184 (1665)	08	1204 (289)	
Ram		210 (1639)		1080 (413)	
Wit		329 (1520)		900 (593)	
Clot		283 (1566)		577 (916)	
Vag		111 (1738)		430 (1062)	
Rut	31	1749 (100)		413 (1080)	
Love	32	8 (1841)		37 (1456)	
Nat		337 (1512)		43 (1450)	
Keep		489 (1360)	07	1382 (111)	
Hip		401 (1448)		1161 (332)	
Dent		266 (1583)		705 (788)	
Job	31	1761 (88)		421 (1072)	
Hart		1509 (340)		786 (737)	
By		1141 (708)		709 (784)	
Gum		1028 (821)		327 (1166)	
Fad		1303 (546)		47 (1446)	

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Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. 4929

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
Northwest River									1
									2
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Names approved Dec 11 1935									4
- E. E. Egan									5
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REVIEW OF TOPOGRAPHIC SURVEY No. 4929.

FIELD H'

Title (Par. 56) *CURRITUCK SOUND, NORTHWEST RIVER.*Chief of Party *R. P. EYMAN* Surveyed by *J. H. TILLER, Jr.* Inked by *J. H. TILLER, JR.*Ship *NATOMA* Instructions dated *AUG. 31 1934* Surveyed in *JAN. - FEB 1935.*

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, 50.)
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.)
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.) ✓
4929 OK. - N.H. 5898
6.16
FEB. 27, 1936.
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.* ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None* ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *None taken, but obtained on adjacent aluminum mounted sheet T6365 (TULL BAY)* ✓
18. The geographic datum of the sheet is N.A. 1927 (~~ADJUSTED~~) and the reference station ^{is correctly noted} ~~is correctly noted~~. (Par. 34.)
 ~~ADDED IN THE OFFICE~~
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: *Surveyed on Whetman Paper due to relative unimportance.*

Reviewed in office by *C. H. Green* Feb. 27, 1936. Inspected by *A. L. Shalant*

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Dolbert
Chief, Division of Charts

Frederic L. Peacock
Chief, Section of Field Work

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