

2759

Diag. Cat. No. 1222-1

2759

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

**DESCRIPTIVE REPORT**

~~Hydrographic~~ } Sheet No. H2759

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State Virginia

LOCALITY

Cape Henry Eastward

(Offshore Hydrography)

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~~1905~~ 1905

CHIEF OF PARTY

F. A. Young

Department of Commerce and Labor

Hyd. Sheet 2759.

This examination off Cape Henry was made to verify the charted hydrography, the correctness of which was questioned by Capt. Pillsbury in S. S. (I.C.) letter #452 of 1905 -

His soundings differed from the charted depths approximately  $+1\frac{1}{4}$ ,  $+1\frac{1}{2}$  &  $+2\frac{1}{2}$  fathoms respectively.

The exam. by Asst. Young verified the chart within  $\frac{1}{4}$  fath. in each case.

The bottom is very irregular and as plotted on 80000 scale, adjacent soundings on the same line differ as much as  $1\frac{1}{2}$  fathoms.

For publication the shoaler depths were selected and in some cases isolated deeps were in consequence eliminated, though not always.

The depths reported are found on the original sheets quite near the positions indicated.

The survey serves the purpose for which it was executed.

*J. W.*

10-10-08

## Sheet 2759 Cape Henry Va

Angles locating signals are recorded on blank leaves at front & back of sounding books, instead of at their proper place at the beginning of the day or line, when used, in the sounding book.

A part of "U" day, from ~~pos 1~~ position 22, was run on courses, & distance by fathoms log. Not having the deviation, the general course from pos 1 to 22 was assumed to be correct, and the sounding plotted on lines adjusted to that course, by scale made on a base from pos 1 to 22. From pos. 68 to 72 was not plotted on course given, but was curved to the westward so as to bring the ~~sup~~ sounding in agreement with

~~1200~~

~~600 cash~~

~~600 on time 2<sup>nd</sup> + note~~

~~Payable 3 yr 6%~~

~~1st Installment 4500~~

~~3rd BK Bldg 6000~~

~~\$6000~~

2759 Cape Henry Va.

like depths on line 16 to 18 today.  
Line 88 to 100 was not plotted, as  
soundings were too deep to agree with  
other lines.

A sub sketch was made showing  
a comparison between the  
survey of 1905 and the surveys  
of 1853-1855-1886. The broken  
lines show where the earlier surveys  
differ from the 1905 survey.

J. L. Dorn,

Department of Commerce and Labor

Sheet 2759  
note

Tide gauge at Lynhaven Roads.

Mean Low water plane of Ref. 1905	3.54 ft
Mean Range of tides Lynhaven Roads	2.12 "
Mean " " " Sounding Ground (Estimated)	3.00 "
" ratio of range at tide gauge & Sounding Ground	1.40 "

note  
The soundings are expressed in feet  
The 30 ft curve is shown in Purple  
36 " " " " " Scarlet  
60 " " " " " Brown  
70 " " " " " Green

note  
Soundings in  
Black Sounding of 1905  
Blue " " 1853  
Red " " 1855  
Green " " 1886

July 18 A	Book 1
20 B	" 1
26 C	" 1
Aug 4 D	1
7 E	1
12 F	1
14 G	1
21 H	1-2
24 J	2
25 K	2
Sept. 2 L	2 not plotted
18 M	2
19 N	2
20 O	2
27 P	3
Oct 5 Q	3
31 R	4
Nov 8 S	4 not plotted

Nov 9 T	Book 4
24 U	4
25 V	4 not plotted

no of angles 1518  
" " Soundings 6033  
" " Miles (net) 247.3

U.S.S. Endeavor

Department of Commerce and Labor

Sheet 2759

Off Shore Hydrography  
Cape Henry Eastward

~~Off Shore Hydrography~~  
Virginia

F. A. Young Asst

July 18 to Oct. 5 1905.

Scale 1-80,000

Observers

J. L. Lewis, aid  
E. C. Baldwin, aid

Leadsman

K. Sandoval Jr. Mr.

Recorder

J. Nielsen Sr. Mr.

Coxswain

K. Pettersen Jr. Mr.

Tide obs.

O. Nielsen Jr. Mr.

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~~Corrected for tidal effect for plotting in part~~ Plotted & finished for F. C. Dorn  
Verified by—