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3788 J.R.

Form 504  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
3788A  
State: \_\_\_\_\_  
11-5613

DESCRIPTIVE REPORT.

Hyd. Sheet No. 3788 + 3788<sup>2</sup>

LOCALITY:

Virginia  
Hampton Roads,  
Newport News  
Middle Ground Channel

1915

CHIEF OF PARTY:

R. F. Luce

3788 A  
3788  
3788



DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No. 3788 + 3788<sup>a</sup>  
in two parts.

The following work, in the vicinity of Newport News and Hampton Roads, was done in accordance with orders of the Superintendent, dated July 27, 1915.

The work embraces a Topographic and Hydrographic survey of a public harbor situated at the foot of Warwick Avenue, Newport News, Va., and its approaches; the location and hydrographic examination of a private dredged channel across the flats from Hampton Roads to a Ferry Slip located approximately 3 miles west of Old Point along the shore; the examination of old channel south of Newport News Middleground L.H., to determine least water. Five red spar buoys on north side of channel were located, in connection with this work. } H-3788 a

The hydrography and topography was done on projections made on board from triangulation data furnished by the office from previous surveys.

Tides were observed on a plain staff established on the N. E. corner of Pleasure Pavilion in small boat basin in front of Hotel Warwick. The staff was connected with bench marks Nos. 2 and 3 by levels. Readings were taken every half hour from 8 a.m. to 5 p.m.

*Respectfully submitted*

*H. Ras Bartlett*

*Assistant, C. & G. S.*

*Paul C. Whitney*  
*Chief of Party*

*R. F. Ince and V. M. Sturtevant  
were in command of the Rache  
during the time this survey was made. R. F. Storm*

Statistics to accompany field sheet 1000

Hampton Roads, Virginia.

Date	Day Letter	Volume	Positions	Soundings	Statute Miles	Vessels
August 13, 1915	a	1	76	504	11.7	Launch No. 32
" 18, "	c	1	95	531	9.4	" "
<b>Totals</b>			171	1035	21.1	

Soundings were taken in fathoms and reduced to feet at mean low water.

Tide staff was located on N.E. corner of pleasure pavilion in small boat basin in front of Hotel Warwick.

Mean low water reads 1.7 on staff.

August 17, 1915, lowest tide observed read 1.5 on staff.

August 18, 1915, highest tide observed read 5.1 on staff.

DEPARTMENT OF COMMERCE  
Coast and Geodetic Survey.

Statistics to accompany field sheet \_\_\_\_\_.

Hampton Roads, Virginia.

Date	Day Letter	Volume	Positions	Soundings	Statute Miles	Vessels
August 14, 1915	b	1	31	182	4.3	Launch No. 32
" 19, "	d	1	114	459	20.0	" "
" 19, "	d	2	20	83	3.5	" "
Totals			165	724	27.8	

Soundings were taken in fathoms and reduced to feet at mean low water.

Tide staff was located on N.E. corner of pleasure pavilion in small boat basin in front of Hotel Warwick.

Mean low water reads 1.7 on staff.

August 17, 1915, lowest tide observed read 1.5 on staff.

August 18, 1915, highest tide observed read 5.1 on staff.

DEPARTMENT OF COMMERCE

LIBRARY

Place with descriptive report  
of hydrographic sheet No. 3788

July 18, 1916

GFT  
Drawing Section.

Hyd. Sheet 3788<sup>a</sup>

This survey was intended to develop the depths in the old channel in Hampton Roads.

Survey - Good -

Bottoms given as sticky on B day while on C and D day, over the same ground they are given as soft.

Records - Courses of sounding lines not given.

Plotting - Good -

No bottoms were plotted

Geo. P. Blower

## DEPARTMENT OF COMMERCE

Hydro. Sheet No. 3788

Dredged Basin at Newport News

Position 64<sup>a</sup> evidently in error, probably a wrong object recorded. As the line 63<sup>a</sup>-64<sup>a</sup> was not used in the development no effort was made to adjust it and it was omitted by the verifier.

Sounding lines 67<sup>a</sup>-68<sup>a</sup> and 69<sup>a</sup>-70<sup>a</sup> were run along the face of the pier at a stated distance therefrom. As there are many angles in the pier, on a rt. angle, and the ends of the lines only were fixed, correct spacing of the soundings on these lines is impossible.

The critical sounding ~~in the channel~~ <sup>7 feet</sup> at the entrance between the piers or bulkheads was not plotted, neither was the 7 ft sounding ~~on line~~ just inside the entrance on line 69<sup>a</sup>-70<sup>a</sup>. The first of these is the sounding at position 29<sup>a</sup> which is determined by the statement that it is 25 meters west of signal Boiler. The verifier assumed that the statement definitely fixed the position and plotted the sounding.

Dredged Channel at Perry Slip.

Well developed

July 21, 1914  
Geo. L. Flower