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1906

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U. S. C. & G. SURVEY,  
LIBRARY AND ARCHIVES

JUL 17 1906

Acc. No.

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Department of Commerce and Labor

COAST AND GEODETIC SURVEY

*O. T. S. Mann*  
Superintendent.

State *Virginia*

DESCRIPTIVE REPORT.

*Hyd. C.* Sheet No. *2813*

LOCALITY:

*Chesapeake Bay*  
*Vic. of Pamunkey*  
*River*

1906

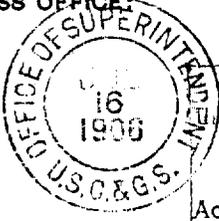
CHIEF OF PARTY:

*W. Irving King*

2813

W-9 Assistant in Charge  
POST-OFFICE ADDRESS: NORFOLK, VA.  
Library and Archives. A. F. J.  
TELEGRAPH ADDRESS:

EXPRESS OFFICE



Department of Commerce and Labor  
U.S.C. & G. SURVEY, COAST AND GEODETIC SURVEY, LIBRARY AND ARCHIVES  
JUL 17 1906  
Acc. No.

AND GEODETIC SURVEY, SCHOONER "MATCHLESS",  
NORFOLK, VA., JULY 13, 1906

RECEIVED  
BY ASSISTANT IN CHARGE  
AND REFERRED TO  
JUL 17 1906  
CHART SECT.  
COMP. DIV.  
INSPR. CHTS.  
INST. DIV.  
MISCEL. SECT.  
L. & A. DIV.  
MISS. LAWN.  
TIME CLERK  
TIDAL DIV.  
D. & E. DIV.  
TER. MAG. DIV.

Mr. O. H. Tittmann,  
Superintendent, C. & G. Survey,  
Washington, D. C.

Sir:-

I have the honor to report with reference to hydrograph-  
ic sheet No. <sup>2813</sup> ~~74~~, resurvey of Chesapeake Bay, which was sent to  
the Office with accompanying records on the 13th. instant, as  
follows:

2. This sheet extends along the west shore of the Bay from  
Wolf Trap Spit Light House to Windmill Point Light House, and  
includes the estuaries of the Rappahannock and Piank<sup>a</sup>itank Riv-  
ers.

3. The shore line on the Bay side was found to be much worn  
and in a number of instances it was necessary to build signals  
some distance back of their original locations.

4. The soundings were carried from shore to a depth of five  
fathoms for the purpose of developing the 4 1/2 fathom curve as  
required by instructions dated January 8th., 1906. Only suffic-  
ient work is shown in the entrance of the Rappahannock River as  
is required to outline the northern edge of the shoal off Sting-  
ray Point. The opening of the Piank<sup>a</sup>itank River was sounded  
to the line between Stove and Burton Points. Hills Bay, Milford  
Haven and the inlets of several small creeks are also included





U. S. COAST AND GEODETIC SURVEY.

O. H. TITTMANN, Superintendent.

HYDROGRAPHY

OF

CHESAPEAKE BAY, VIRGINIA,  
IN THE VICINITY OF PIANKATANK RIVER,

U. S. C. & G. SURVEY,  
LIBRARY AND ARCHIVES,  
JUL 17 1906  
Acc. No. 2813

*Chesapeake Bay  
Neat Shore  
Pappahannock Riv. to Wolf Trap Spit  
Va.*

By the

Party in Charge of W. Irving Vinal, Assistant,

SCHOONER MATCHLESS.

Begun March 9, 1906.

Ended May 11, 1906.

Scale  $\frac{1}{20000}$

STATUTE MILES.

NAUTICAL MILES.

OBSERVERS.

Assistant, W. Irving Vinal, Mate, James E. Marsh, Aid,

S. Schattschneider, Chief Writer, John W. Clift.

RECORDERS.

Aids, S. Schattschneider, Arthur Crowell,

Chief Writer, John W. Clift.

LEADSMAN.

Sailmaker's Mate, John Christensen.

TIDE OBSERVERS.

Seamen, Otto Wegener, E. J. Christensen.

*Soundings plotted by Tidal Party  
Verified & ranked by H. L. Simons*

STATISTICS

| DATE 1906. | Number Of- |      |        |           |                 | Vessel.      |
|------------|------------|------|--------|-----------|-----------------|--------------|
|            | Letter     | Vol. | Angles | Soundings | Nautical Miles. |              |
| March 9    | a          | 1    | 218    | 693       | 17.0            | Steam Launch |
| 10         | b          | 1    | 86     | 328       | 7.7             |              |
| 12         | c          | 1    | 122    | 479       | 11.2            |              |
| 16         | d          | 1    | 144    | 595       | 13.9            |              |
| 21         | e          | 2    | 206    | 821       | 20.5            |              |
| 23         | f          | 2    | 24     | 81        | 2.0             |              |
| 28         | g          | 2    | 165    | 672       | 15.8            |              |
| 29         | h          | 2    | 144    | 576       | 14.7            |              |
| 31         | i          | 3    | 90     | 340       | 9.00            |              |
| APRIL 4    | k          | 3    | 282    | 1069      | 28.2            |              |
| 5          | l          | 3    | 88     | 344       | 9.3             |              |
| 7          | m          | 3    | 108    | 352       | 9.0             |              |
| 10         | n          | 4    | 98     | 368       | 9.6             |              |
| 11         | o          | 4    | 66     | 242       | 6.0             |              |
| 12         | p          | 4    | 194    | 750       | 18.9            |              |
| 13         | q          | 4    | 212    | 811       | 21.1            |              |
| 17         | r          | 5    | 100    | 426       | 11.5            |              |
| 18         | s          | 5    | 296    | 1155      | 33.0            |              |
| 19         | t          | 5    | 160    | 598       | 17.7            |              |
| 20         | u          | 6    | 238    | 725       | 19.5            |              |
| 25         | v          | 6    | 92     | 321       | 10.3            |              |
| 27         | w          | 6    | 216    | 731       | 18.3            |              |
| 28         | x          | 6    | 106    | 346       | 9.2             |              |
| 30         | y          | 7    | 110    | 370       | 10.6            |              |
| May 2      | z          | 7    | 34     | 112       | 2.9             |              |
| 3          | a.         | 7    | 254    | 870       | 23.8            |              |
| 4          | b.         | 7    | 156    | 561       | 16.6            |              |
| 5          | c.         | 8    | 114    | 457       | 12.5            |              |
|            | 28         | 8    | 4123   | 15193     | 398.8           |              |
| April 2    | a          | 1    | 187    | 778       | 12.0            | Whaleboat    |
| May 8      | b          | 1    | 164    | 649       | 9.2             |              |
| 9          | c          | 1    | 24     | 81        | 1.0             |              |
| 10         | d          | 1    | 144    | 647       | 8.4             |              |
| 11         | e          | 2    | 132    | 579       | 8.4             |              |
|            | 5          | 2    | 651    | 2734      | 40.0            |              |

RECAPITULATION.

|              |    |    |      |       |       |
|--------------|----|----|------|-------|-------|
| Steam Launch | 28 | 8  | 4123 | 15193 | 398.8 |
| Whaleboat    | 5  | 2  | 651  | 2734  | 40.0  |
| Total        | 33 | 10 | 4774 | 17927 | 438.8 |

Department of Commerce and Labor

The 6 ft curve is shown thus \_\_\_\_\_  
" 12 " " " " " \_\_\_\_\_  
" 18 " " " " " \_\_\_\_\_  
" 24 " " " " " \_\_\_\_\_