

# POTOMAC RIVER

( in four sheets )

## SHEET No. 1 FROM ENTRANCE TO PINEY POINT

From a Trigonometrical Survey  
under the direction of AD. BACHE Superintendent of the  
**SURVEY OF THE COAST OF THE UNITED STATES**

Trigonulation by J. FARLEY Ass't. and C. FERGUSON Sub-Ass't.  
Topography by R. D. CUTTS JOHN SEIB LUDL ADAMS Ass'ts. and JOHN W. DONN Sub-Ass't.

Hydrography by the Parties under the command of  
Lieut. Comdr. S. P. LEE and Comdr. W. T. MURK U.S.N. Ass'ts.

Scale 60000

1866



John C. Mearns  
Ass't. Coast Survey  
In charge of Office

The Trigonulation was executed in 1859-60  
The Topography in 1860-61  
The Hydrography in 1861-62



**SOUNDINGS**  
The Soundings are expressed in feet and show the depth at mean low water; the plane of reference. The dotted surface beyond low water marks represent the bottom within the respective depths of 6, 12 and 18 feet. The characteristic soundings only are given on the map; they are selected from the numerous soundings taken in the survey, so as to represent the figure of the bottom.

**SAILING DIRECTIONS**  
Bound into the Potomac River from the Southward. Being in 16 fathoms water, bring South's Pt. Lt. Ho. to bear S.W. by S. distant 2 miles with South's Pt. bearing S.W. by W. and Point Lookout Lt. Ho. bearing N.W. by W. the course is N.W. by W. for 4 miles, until Pt. Lookout Lt. Ho. bears N. by E. distant 2 1/2 miles, when the course is N.W. by W. for 1 1/2 miles, until Piney Pt. Lt. Ho. bears N.E. distant 1 1/2 miles, and Rappahannock Pt. bears N.W. by W. distant 3 1/2 miles, then follow directions on Sheet No. 2.  
From the Northward. Being in 6 fathoms water with Point Lookout Lt. Ho. bearing W.S.W. distant 2 1/2 miles, the course is S.W. for 4 miles, until Point Lookout Lt. Ho. bears N. by E. distant 2 1/2 miles, when follow directions above.  
If bound into the St. Mary's River when Point Lookout Lt. Ho. bears N. by E. distant 2 1/2 miles, stand 2 1/2 miles towards Cherryfield Pt. from the West side of the St. Mary's which, when in sight run for, keeping it on this bearing until Rappahannock Pt. bears E. S. and the Southeast end of St. George's Island bears W. N. when Windmill Pt. will be on with Portobello Pt. bearing North, run up the river on this course, keeping the bearing and range on, until up with Priests Pt. then keep the middle of the river.  
For the entrance of Cox and Yocomo Rivers the chart is the best guide.  
The Courses and Bearings are Magnetic and the Distances are in Nautical miles.

**LIGHT HOUSES**

Name	Latitude North	Longitude West from Greenwich	Height of Light above Mean High Water	Character of Light	Height of Tower above Mean High Water
Smith's Pt. Lt. Ho.	37° 53' 38"	76° 11' 24"	59' 0"	Fl. 25'	38 ft.
Point Lookout Lt. Ho.	38° 02' 10"	76° 19' 01"	5 05 16.1	Fl. 25'	37
Piney Point Lt. Ho.	38° 08' 05"	76° 31' 29"	5 00 65.9	Fl. 25'	35

Variation of the Magnetic Needle in 1870. 2° 20' W.

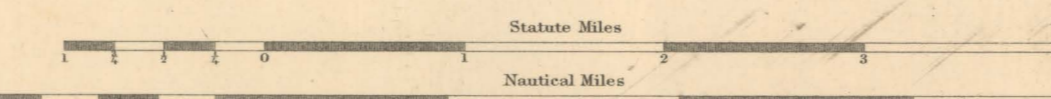
**ABBREVIATIONS OF BOTTOMS**

Material	Abbreviation	Material	Abbreviation
Mud	M.	Hard	H.
Sand	S.	Soft	so.
Gravel	G.	Shells	sh.
Shells	sh.	Sp. Sponges	sp.
Clay	C.		

Note. The principal materials and their qualities are represented by larger letters than the subsidiary.

**TIDES**

Corrected Establishment, Point Lookout	3.55
Mean Rise and Fall of Tides	1.4 ft.
Mean .....	1.9
Mean .....	0.7
Mean .....	2.4
Mean .....	1.8
Mean .....	0.2
Mean .....	0.5
Mean .....	6.19
Mean .....	0.35



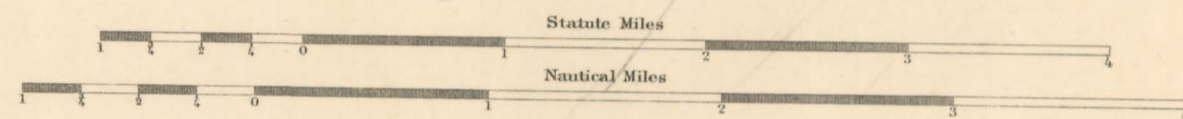
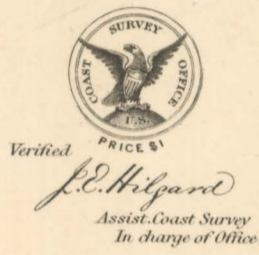
# POTOMAC RIVER

( in four sheets )

## SHEET No. 2 FROM PINEY POINT TO LOWER CEDAR POINT

From a Trigonometrical Survey  
under the direction of A.D.BACHE Superintendent of the  
**SURVEY OF THE COAST OF THE UNITED STATES**  
Triangulation by JOHN FARLEY Assist. FAIRMAN ROGERS Asst. Asst. C. FERGUSON and F. WEBBER Sub-Assists.  
Topography by L. HULL ADAMS Asst. S. WAINWRIGHT J. MICHAN Sub-Assists. and C. HOSMER Aid  
Hydrography by the Parties under the command of  
Comde. W. MUSE and Lieut. Comde. T. S. PHELPS U.S.N. Assistants

Scale 6000  
1862



The Triangulation was executed in 1850 & 52  
The Topography do. do. 1858 '59 & 62  
The Hydrography do. do. 1860 & 62



**LIGHT HOUSE**

Name	Latitude	Longitude	Height above Mean High Water	Height above Mean Low Water	Light
Blakistone Light House	38° 23' 20" N	76° 55' 57" W	46 Ft.	12 Ft.	12

Variation of the Magnetic Needle (computed) in December 1862 2° 0' W.  
Present annual increase 2'

**TIDES**

Corrected Establishment	Height of High Water	Height of Low Water
Mean Rise and Fall of Tides	1.8 Ft.	1.6 Ft.

**SOUNDINGS**

The Soundings are expressed in feet, and show the depths at mean low water - the plane of reference. The dotted surfaces beyond low water mark represent the bottom within the respective depths of 6, 12 and 18 feet.

The characteristic soundings only are given on the map, they are selected from the numerous soundings taken in the survey, so as to represent the figure of the bottom. The character of the bottom is set in the channel, but the lamps which are dotted on the chart, are hard.

**ABBREVIATIONS OF BOTTOMS**

Material	Color or Shade	Other qualities
M for Mud	dk. for black	hd. for hard
S. for Sand	gy. for grey	sh. for soft
Sh. for Shells	bl. for blue	fn. for fine
C. for Clay	dk. for dark	st. for sticky
	lt. for light	br. for broken

Note. The principal materials and their qualities are represented by larger letters than the subsidiary. In the description of Bays, F.S. signifies Perpendicular slopes, B. Black and R. Red.

# POTOMAC RIVER

( in four sheets )

SHEET No. 3

## FROM LOWER CEDAR POINT TO INDIAN HEAD

From a Trigonometrical Survey

under the direction of A.D. BACHE Superintendent of the

### SURVEY OF THE COAST OF THE UNITED STATES

Triangulation by C. FERGUSON and F. WEBBER, Sub-Assists.

Topography by H. WHITING, A. LONGFELLOW, Assistants, J. M. CHAN, Sub-Assist. and C. HOSMER, Aid

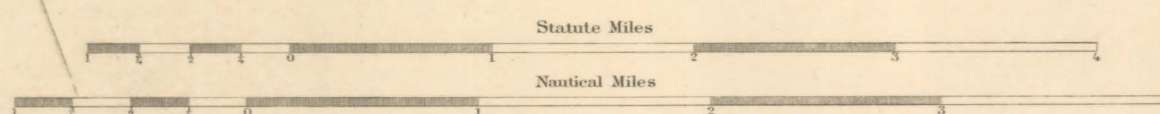
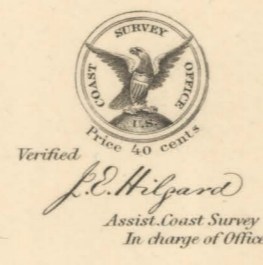
FAIRMAN ROGERS, Acting Assistant Coast Survey in immediate charge of operations

Hydrography by the Party

under the command of Lt. Comdr. T. S. PHELPS, U.S.N. Assistant

Scale 62500

1862



The Triangulation was executed in 1862  
The Topography do. do. 1862  
The Hydrography do. do. 1862-63

**TIDES**

Corrected Establishment (approx.)	1.4 FT.	1.5 FT.
Mean Rise and Fall of Tides (approx.)	1.4 FT.	1.5 FT.

Latitude of Port Tobacco Court House 38° 30' 37.2"  
Longitude of do. west from Greenwich Obs<sup>y</sup> in arc 77° 00' 55.8"  
Longitude of do. do. do. in time 5<sup>h</sup> 8<sup>m</sup> 57<sup>s</sup>  
Variation of the Magnetic Needle (computed) in December 1862 2° 0' W.  
Present annual increase 22'

**SOUNDINGS**

The Soundings are expressed in feet and show the depth at mean low water—the plane of reference. The dotted lines beyond low water mark represent the bottom within the respective depths of 6, 12, and 18 feet.  
The characteristic soundings only are given on the map; they are selected from the numerous soundings taken in the survey, so as to represent the figure of the bottom.  
The character of the bottom is soft in the channel, but the lamps, which are dotted on the chart, are hard.

