RAREBK
VK
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B3
1861
Chart U

No. 20

PRELIMINARY CHART OF

RAPPAHANNOCK RIVER

VIRGINIA

FROM ENTRANCE TO DEEP CREEK

From a Trigonometrical Survey

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

SURVEY OF THE COAST OF THE UNITED STATES

Triangulation by E. BLUNT Capt. W.R. PALMER Topl. Engrs. and J. FARLEY Assts.

Topography by J. SEIB & I. HULL ADAMS Assists.

Hydrography by the parties

under the command of Lieuts. Comdg. S.P. LEE J.J. ALMY & R. WAINWRIGHT U.S.N. Assts.

Scale $\frac{1}{60000}$

1857

Verified
M. L. Smith Capt. Topl. Engrs.
Asst. in charge of Office.

SAILING DIRECTIONS

Bound up the Rappahannock River

In six fathoms water bring Cherry Pt. to bear S.W. by W.¼W. (S. 66° 08' W.) Windmill Pt. N.W. by W.¼W. (N. 59° 30' W.) the Light Vessel N.W.¼N. (N. 39° 17' W.) and steer into the middle of the river, on a W. by N. (N. 79° W.) course nine nautical miles, leaving the Buoy off Hunting Creek about 600 yards to Port hand. When Mosquito Pt. bears N.E.¼E. (N. 47° 38' E.) the course is N.W. by W. (N. 58° 16' W.) four nautical miles. When Toll's Pt. bears W. by N. (N. 80° 05' W.) steer West (S. 88° 30' W.) four nautical miles, and when Toll's Pt. house bears N.E.¼N. (N. 37° 20' E.), change the course to N.W. by N. (N. 35° 12' W.). Rogue's Pt. bearing E.¼S. (S. 89° 15' E.) steer N. by W. (N. 11° 18' W.) for Carter's wharf. When the water deepens into nine fathoms, change the course to N.W. (N. 45° W.) From this point up the river, the best directions that can be given to a Stranger, are to follow the Buoys, leaving the red upon the Starboard, and the black upon the Port hand. The Channel is midway of the river, until up with the Light Vessel at Bowler's Ledge.

In beating up the river, the best water is between Stingray and Mosquito Points on the northern shore; passing the latter point there is good working room, the best water being on the port side until off Punch Bowl Pt. Off Dumpling Shoals it is not prudent to venture into less than three fathoms water, as in this part of the River the soundings are irregular, and abreast of Lowry's Pt., there is a troublesome shoal called Ross Rock *which is bare at low water. Above Ross Rock the Channel narrows and the bottom is uneven, but by following from Buoy to Buoy, the shoals can be avoided. The Courses and Bearings without the brackets are Magnetic, those within are True. The distances are in Nautical miles.*

NOTE

The Soundings are expressed in feet to 18 feet, or within the dotted lines, beyond them in fathoms, 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, thus ..... *for 6 feet,* - - - - - - - *for 12 feet,* — — — — — *for 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.*

Light Vessel

Windmill Point Light Vessel, *on the North side of the Entrance to Rappahannock River, 4 miles E.S.E.½E. from Windmill Pt. 4¼ miles E. by N.½N. from Stingray Pt. is of Straw Color, with light 34 feet above the level of the Sea, visible 11 Nautical miles. Fog Bell.*

Latitude of Bailey's Bluff	37° 37' 57".3
Longitude of do west from Greenwich Obsy, in arc	76° 33' 09".3
Longitude of do do do in time	5h 06m 12s.6
Variation of the Magnetic Needle in Dec. 1857	1° 25' W.
The Triangulation was executed in	1850 '55 & '57
The Topography do in	1850 '55 '56 & '57
The Hydrography do in	1850 '51 '56 & '57

Abbreviations used in the bottoms of this Map

Materials in Capitals		Colors or Shades two small letters		Other qualities three small letters	
M.	for Mud	bk.	for black	hrd.	for hard
S.	" Sand	wh.	" white	sft.	" soft
G.	" Gravel	rd.	" red	fne.	" fine
Sh.	" Shells	yl.	" yellow	crs.	" coarse
Sp.	" Specks	gy.	" grey		
C.	" Clay	bu.	" blue		
		dk.	" dark		

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

Statute Miles

Nautical Miles

Engd. & Dr.n by A. Lindenkohl

Engd. by E. A. Mardel & App. E. H. Sipe