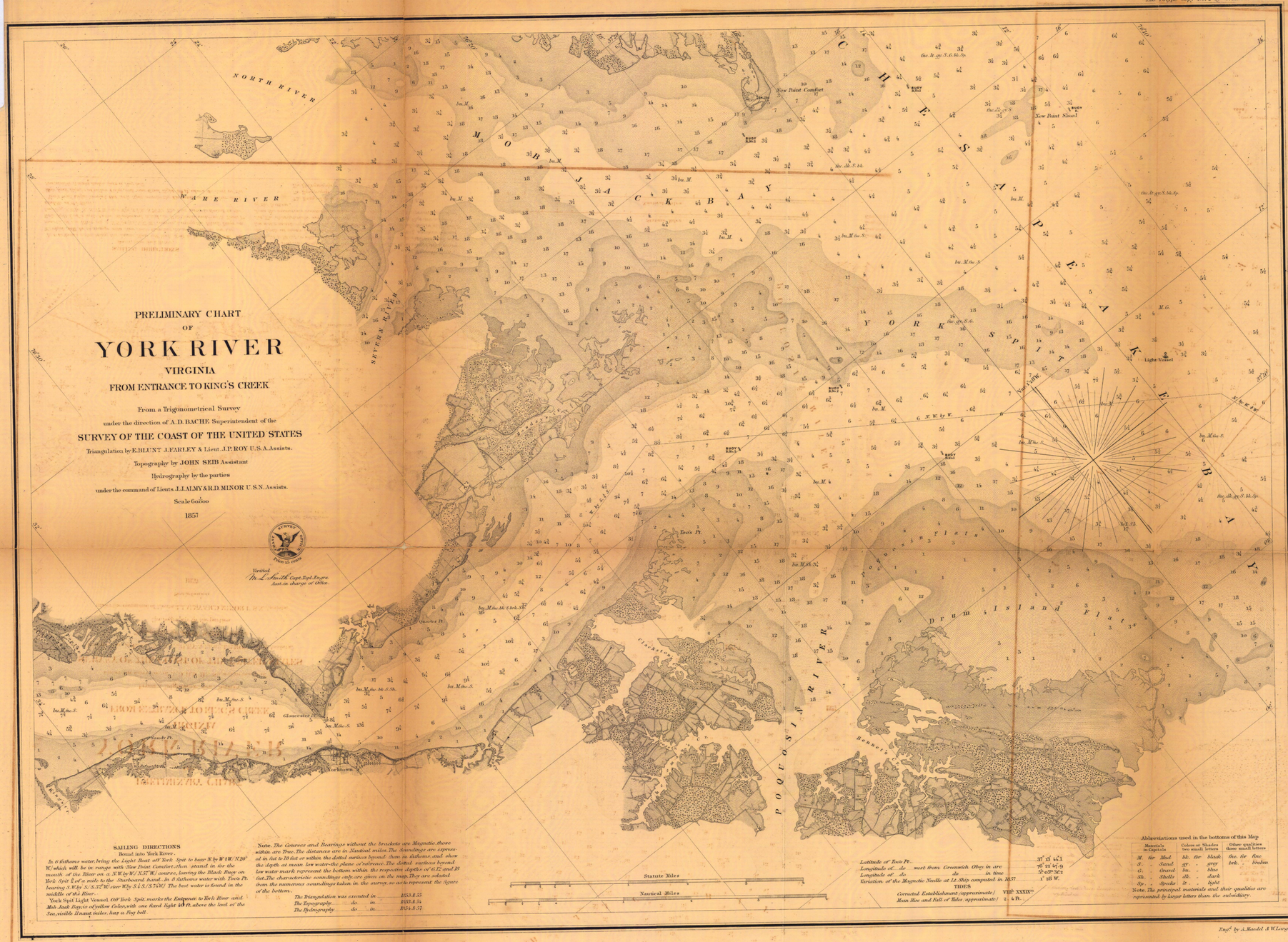
RAREBK
VK
982
.J3
B3
1861
Chart S

Electrotype Copy No. 2 by G. Mathiot U. S. C. S.



PRELIMINARY CHART OF YORK RIVER

VIRGINIA

FROM ENTRANCE TO KING'S 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 J. FARLEY & Lieut. J. P. ROY U. S. A. Assists.
Topography by JOHN SEIB Assistant
Hydrography by the parties
under the command of Lieuts. J. J. ALMY & R. D. MINOR U. S. N. Assists.
Scale 60,000
1857

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

SAILING DIRECTIONS

Bound into York River.

In 6 fathoms water, bring the Light Boat off York Spit to bear N. by W. ¼ W. (N. 20° W.) which will be in range with New Point Comfort, then stand in for the mouth of the River on a N. W. by W. (N. 57° W.) course, leaving the Black Buoy on York Spit ½ of a mile to the Starboard hand. In 8 fathoms water with Two's Pt. bearing S. W. by S. (S. 32° W.) steer W. by S. ¼ S. (S. 74° W.) The best water is found in the middle of the River.

York Spit Light Vessel *Off York Spit, marks the Entrance to York River and Mob Jack Bay, is of yellow Color, with one fixed light 40 ft. above the level of the Sea, visible 11 naut. miles, has a Fog bell.*

Note. *The Courses and Bearings without the brackets are Magnetic, those within are True. The distances are in Nautical miles. The Soundings are expressed in feet to 18 feet or within the dotted surfaces beyond them in fathoms, and show the depth 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 Triangulation was executed in			*1853 & 55*
The Topography	*do*	*in*	*1853 & 54*
The Hydrography	*do*	*in*	*1854 & 57*

Latitude of Two's Pt.	37° 13′ 44″.1
Longitude of do west from Greenwich Obsy. in arc	76° 22′ 47″.9
Longitude of do do in time	5h 05m 31s.2
Variation of the Magnetic Needle at Lt. Ship computed in 1857	1° 28′ W.

TIDES

Corrected Establishment (approximate)	VIIh XXXIXm
Mean Rise and Fall of Tides (approximate)	2 4 Ft.

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*	*fne.*	*for fine*
S.	*" Sand*	*gy.*	*" grey*	*brk.*	*" broken*
G.	*" Gravel*	*bu.*	*" blue*		
Sh.	*" Shells*	*dk.*	*" dark*		
Sp.	*" Specks*	*lt.*	*" light*		

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

Engd. by A. Maedel & W. Langrean

Lith. Dr. W. by A. L. Anderson & P. Wiltel