

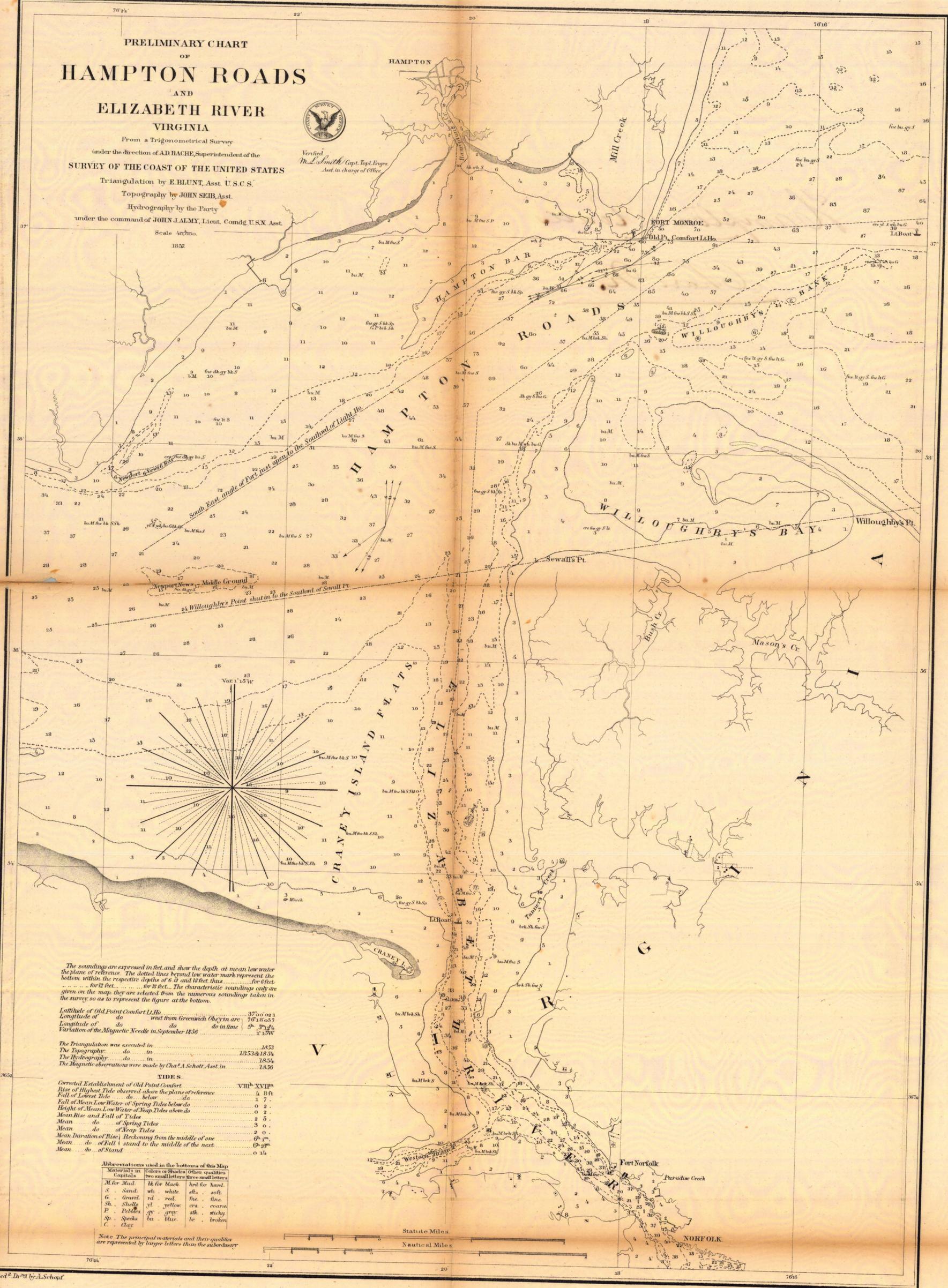
# PRELIMINARY CHART OF HAMPTON ROADS AND ELIZABETH RIVER VIRGINIA

From a Trigonometrical Survey  
under the direction of AD BACHE, Superintendent of the  
SURVEY OF THE COAST OF THE UNITED STATES  
Triangulation by E. BLUNT, Asst. U.S.C.S.  
Topography by JOHN SEIB, Asst.  
Hydrography by the Party  
under the command of JOHN LALMY, Lieut. Comdg. U.S.N. Asst.



Verified  
Wm. L. Smith, Capt. Top. Engrs.  
Asst. in charge of Office

Scale 1/100,000  
1852



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, 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 at the bottom.

Latitude of Old Point Comfort L.L.D. 37° 02' 23"  
Longitude of do west from Greenwich (Meyin arc) 76° 18' 05.7"  
Longitude of do do in time 5<sup>h</sup> 37<sup>m</sup> 34<sup>s</sup>  
Variation of the Magnetic Needle in September 1856 1° 15' W

The Triangulation was executed in 1853  
The Topography do in 1853 & 1854  
The Hydrography do in 1854  
The Magnetic observations were made by Chas. A. Schott, Asst. in 1856

### TIDES

Corrected Establishment of Old Point Comfort VIII<sup>h</sup> XVII<sup>m</sup>  
Rise of Highest Tide observed above the plane of reference 4 8 ft  
Fall of Lowest Tide do below 1 7  
Fall of Mean Low Water of Spring Tides below do 0 2  
Height of Mean Low Water of Neap Tides above do 0 2  
Mean Rise and Fall of Tides 2 5  
Mean do of Spring Tides 3 0  
Mean do of Neap Tides 2 0  
Mean Duration of Rise, reckoning from the middle of one Mean do of Fall A stand to the middle of the next 6<sup>h</sup> 1<sup>m</sup>  
Mean do of Stand 0 1<sup>1</sup>/<sub>2</sub>

### Abbreviations used in the bottoms of this Map

Materials in Capitals	Colors or Shades	Other qualities
M for Mud	bk for black	hd for hard
S Sand	wh white	sf soft
G Gravel	rd red	fn fine
Sh Shells	yl yellow	cr coarse
D Detritus	gr grey	slk sticky
Sp Specks	br blue	br broken
C Clay		

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

Statute Miles

Nautical Miles

RAREBK  
VK  
982  
.C5  
B3  
1861  
Chart N

