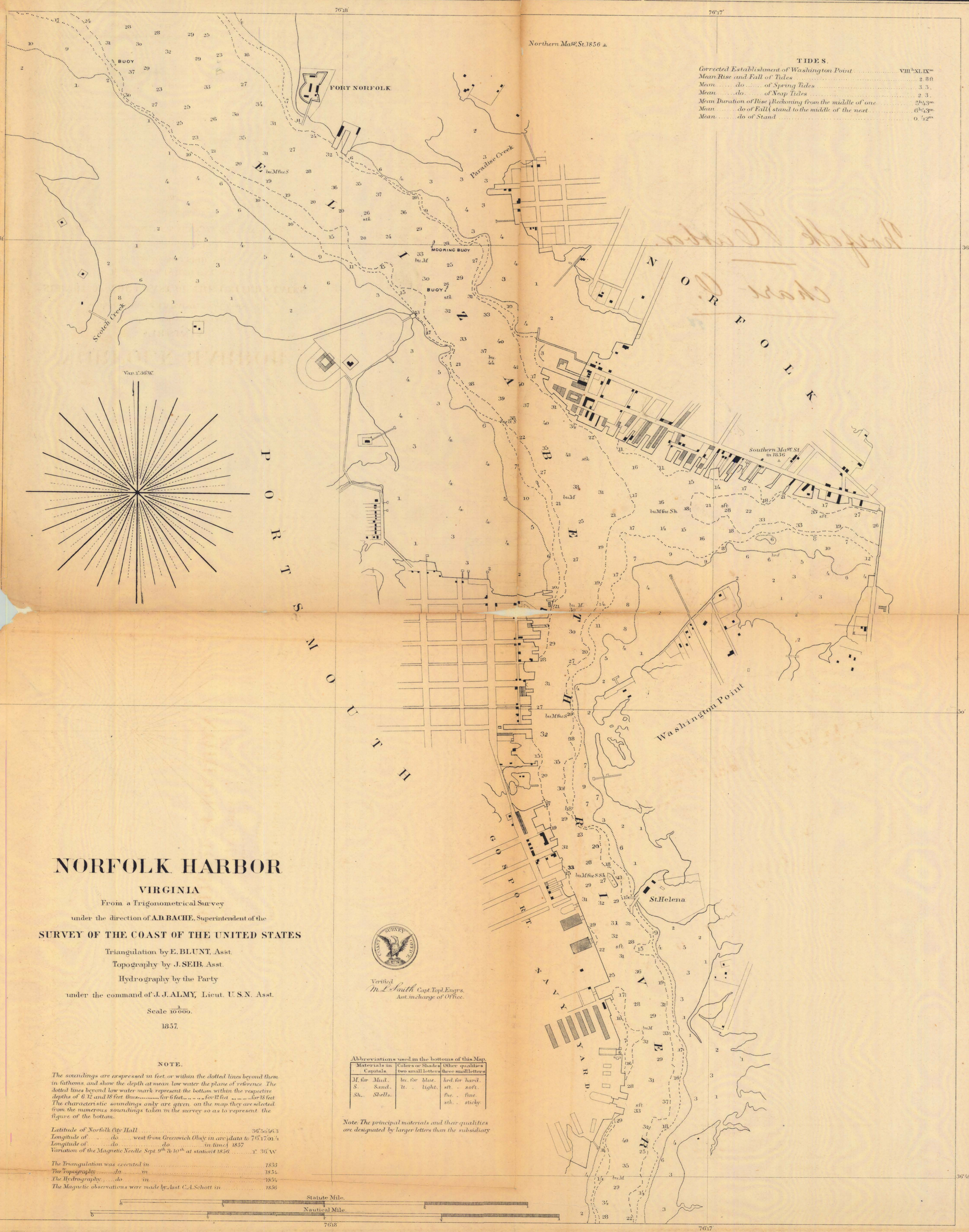
N°. 24.



NORFOLK HARBOR

VIRGINIA

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, Asst.

Topography by J. SEIB, Asst.

Hydrography by the Party

under the command of J. J. ALMY, Lieut. U.S.N. Asst.

Scale $\frac{1}{10\,000}$.

1857.

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

TIDES.

Corrected Establishment of Washington Point	VIII.h XL. IX.m
Mean Rise and Fall of Tides	2. 3 ft
Mean ..... do ..... of Spring Tides	3. 3.
Mean ..... do ..... of Neap Tides	2. 3.
Mean Duration of Rise } Reckoning from the middle of one	5h 43m
Mean ..... do of Fall } stand to the middle of the next	6h 43m
Mean ..... do of Stand	0. 42m

NOTE.

The soundings are exspressed in 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.

Latitude of Norfolk City Hall	36°50′46.3
Longitude of ..... do ..... west from Greenwich Obs.y in arc } data to	76°17′01.4
Longitude of ..... do ..... do ..... in time } 1857	
Variation of the Magnetic Needle Sept. 9th & 10th at stations 1856	1° 36′ W
The Triangulation was executed in	1853
The Topography ..... do ..... in	1854
The Hydrography ..... do ..... in	1854
The Magnetic observations were made by Asst. C.A. Schott in	1856

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.	bu. for blue.	hrd. for hard.
S. . Sand.	lt. . light.	sft. . soft.
Sh.. Shells.		fne. . fine.
		stk. . sticky.

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

C.B. Graham, Lith. Washington.

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