

NEWPORT HARBOR AND APPROACHES RHODE ISLAND

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 W. M. BOYCE H. L. WHITING & A. M. HARRISON Assists.
Hydrography by H. MITCHELL & F. P. WEBBER Assists.

Scale 30000

1864



Verified
J. C. Hilgard
Assist. Coast Survey
In charge of Office

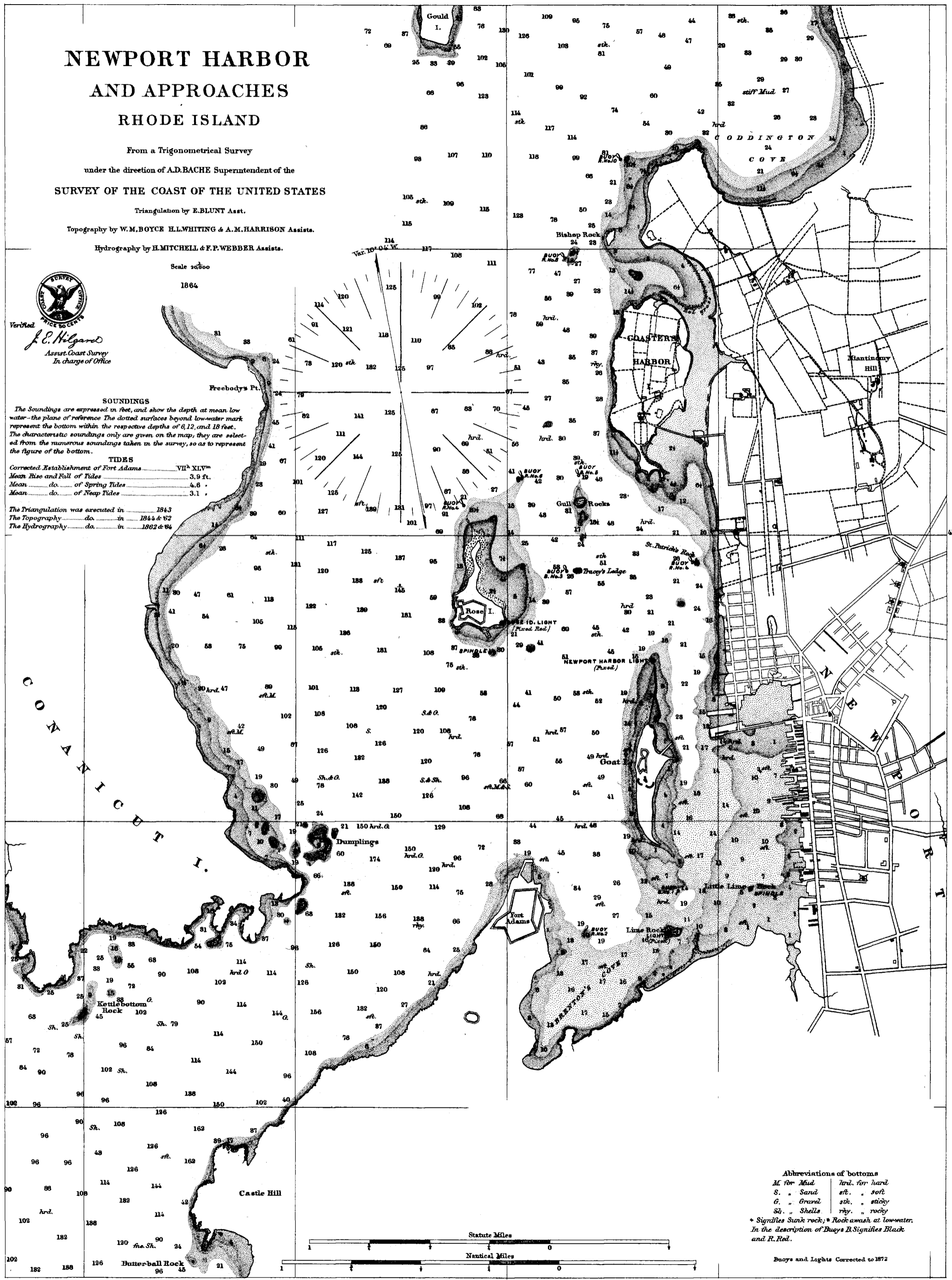
SOUNDINGS

The Soundings are expressed in feet, 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.

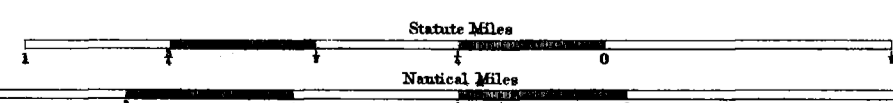
TIDES

Corrected Establishment of Fort Adams VII^h XLIV^m
Mean Rise and Fall of Tides 3.9 ft.
Mean do. of Spring Tides 4.6
Mean do. of Neap Tides 3.1

The Triangulation was executed in 1843
The Topography do. in 1844 & '52
The Hydrography do. in 1862 & '64



Abbreviations of bottoms
M. for Mud | hrd. for hard
S. " Sand | st. " soft
G. " Gravel | stk. " sticky
Sh. " Shells | rky. " rocky
+ Signifies Sunk rock; * Rock awash at low-water.
In the description of Buoys B. Signifies Black and R. Red.



Buoys and Lights Corrected to 1872