

Mercator projection
Geodetic Reference System 1980; North American Datum of 1983
Longitude of central meridian 70°19' W; latitude of true scale 41°29' N
False easting 0 m; false northing 0 m
This map is not intended for navigational purposes



DESCRIPTION OF MAP UNITS

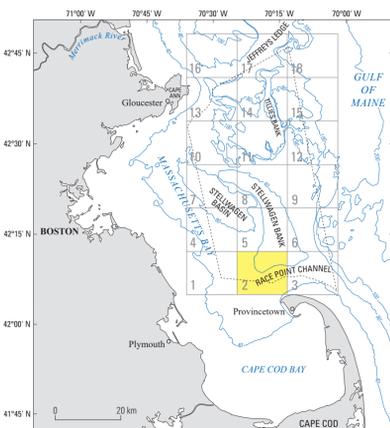
[Mud content is given in mean weight percents. For textural characteristics of individual substrates, see the section "Description of Map Units (Substrates)" (in pamphlet, tables 6 and 7 (in pamphlet), and Valentine and Cross (2024d). The southeastern corner of the map area was not mapped because multibeam sonar data were not collected there.]

- M <1** Mud content <1—Equivalent to substrates A1, AA, AG, and AH on map D
- M 1 to <5** Mud content 1 to <5—Equivalent to substrates A3, H, K, Y, Z, AB, AC, AD, AE, and AF on map D
- M 5 to <10** Mud content 5 to <10—Equivalent to substrate X on map D
- M 10 to <20** Mud content 10 to <20—Equivalent to substrate L on map D
- M 20 to <50** Mud content 20 to <50—Equivalent to substrate P on map D
- M 50 to <90** Mud content 50 to <90—Equivalent to substrate R on map D

- Boulder ridge ≥1 m in height**—Equivalent to substrate C on map D

EXPLANATION OF MAP SYMBOLS

- Stellwagen Bank crestline
- Leading edge of sand sheet formed by episodic sediment transport



Location Map. Map showing the location of quadrangle 2 (highlighted in yellow) of the Stellwagen Bank National Marine Sanctuary region offshore of Boston, Massachusetts. The numbered grid indicates the quadrangles of the U.S. Geological Survey multibeam sonar substrate-mapping project. The dashed line represents the Stellwagen Bank National Marine Sanctuary boundary. Bathymetric contours are labeled in meters and the contour interval is variable. Figure modified from Valentine and Cross (2024c).

Map G.—Distribution of Substrate Mud Content and Boulder Ridges

Seabed Maps Showing Topography, Ruggedness, Backscatter Intensity, Sediment Mobility, and the Distribution of Geologic Substrates in Quadrangle 2 of the Stellwagen Bank National Marine Sanctuary Region Offshore of Boston, Massachusetts

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For sale by U.S. Geological Survey, Box 25286, Denver Federal Center, Denver, CO 80225; <https://store.usgs.gov/>; 1-888-ASK-USGS (1-888-275-8147).
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