

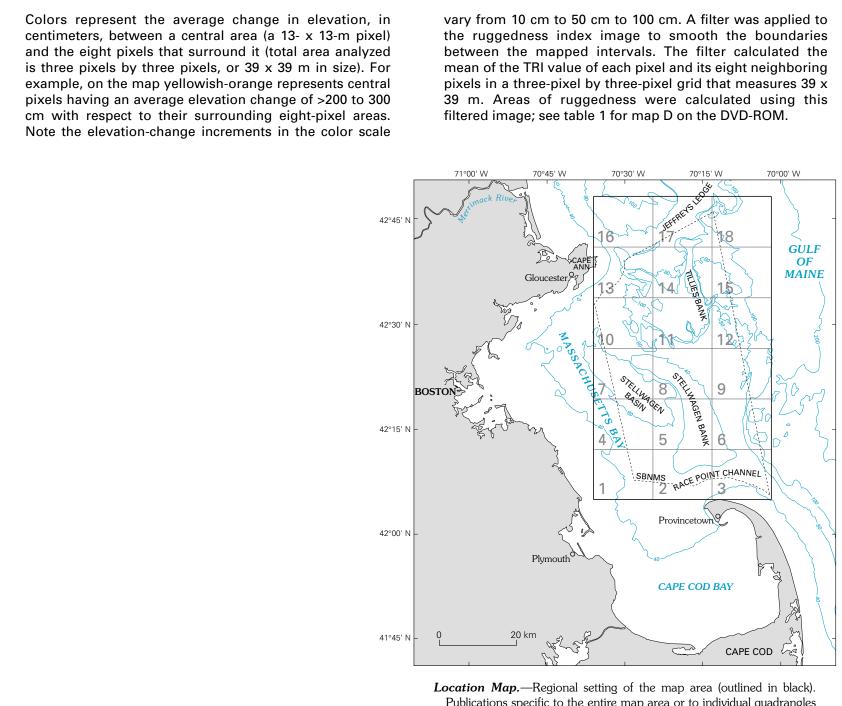
Sheet 5.—Sea floor ruggedness in the >2- to 6-meter range and sun-illuminated topography.

MAP D.—SEA FLOOR RUGGEDNESS IN THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY REGION

By

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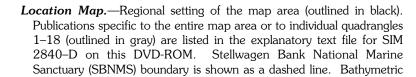
Sea Floor Image Maps Showing Topography, Sun-Illuminated Topography, Backscatter Intensity, Ruggedness, Slope, and the Distribution of Boulder Ridges and Bedrock Outcrops in the Stellwagen Bank National Marine Sanctuary Region off Boston, Massachusetts Page C. Valentine, editor



vary from 10 cm to 50 cm to 100 cm. A filter was applied to the ruggedness index image to smooth the boundaries between the mapped intervals. The filter calculated the mean of the TRI value of each pixel and its eight neighboring pixels in a three-pixel by three-pixel grid that measures 39 x 39 m. Areas of ruggedness were calculated using this filtered image; see table 1 for map D on the DVD-ROM.

Interval >1 to 2 m (50-cm increments) Interval >2 to 6 m (100-cm increments)

Interval >30 to 100 cm (10-cm increments)



contours are labeled in meters.