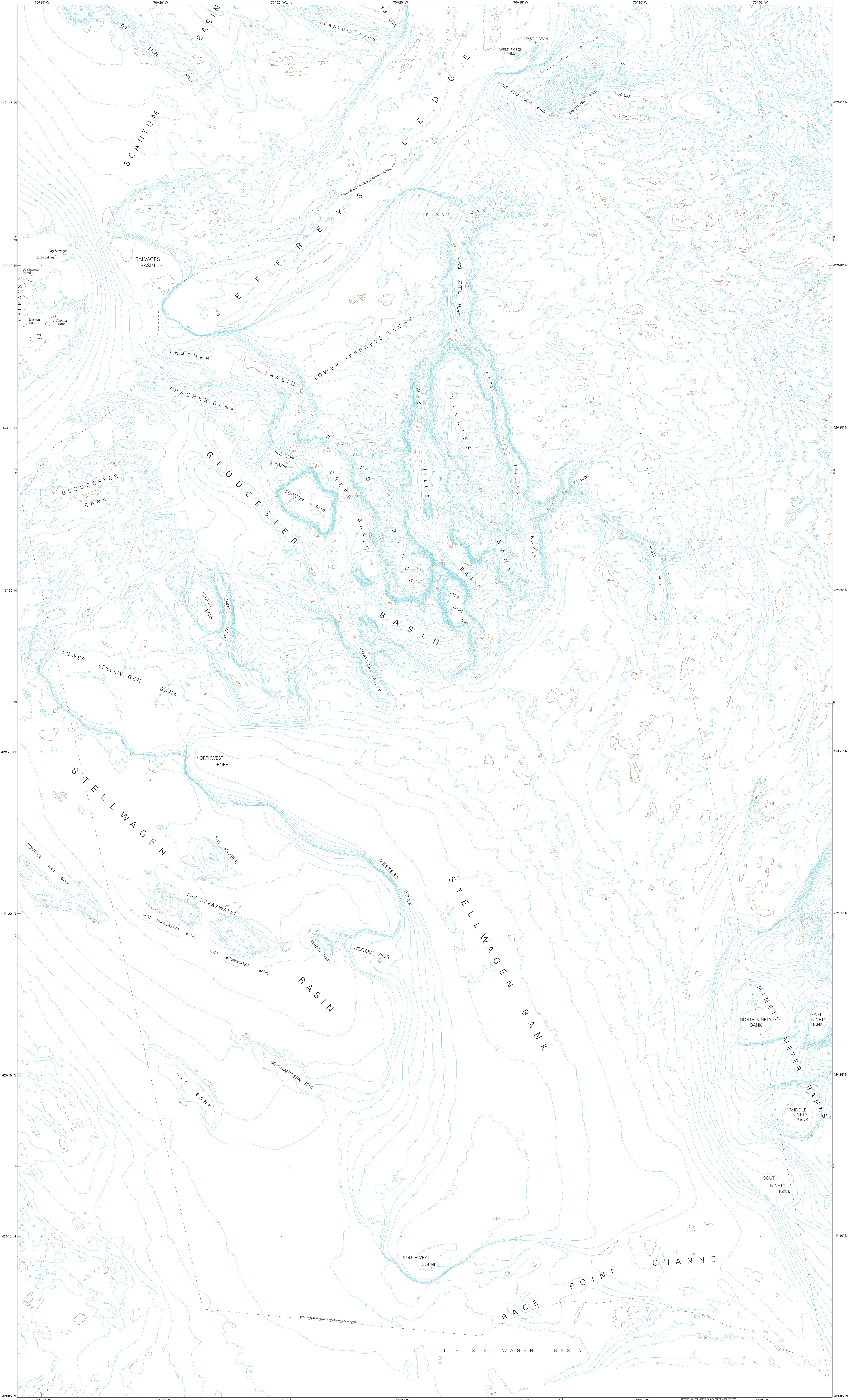




This map is part of a three-map series of the Stellwagen Bank National Marine Sanctuary region. The maps are the products of a 1994-1996 survey that used a multibeam echo sounder to map 1100 square nautical miles of the sea floor. The other two maps show sun-illuminated shaded relief sea floor topographic imagery and contour imagery of sun-illuminated sea floor topography and backscatter intensity (U.S. Geological Survey Open-File Report 00-410 Sheets 2 and 3). This map shows contour topography at an interval of 3 meters. Contours are shown in blue except for topographic lows which are shown in brown. The project has published two map series of 18 quadrangles each (see location map) in which new sea floor topography and sun-illuminated imagery are presented at a scale of 1:25,000. For paper maps of contour topography, see Valentine and others, 1997 (U.S. Geological Survey Open-File Reports 97-302 to 97-309, 97-662 to 97-685, and 97-726 to 97-733). For paper maps of sun-illuminated topographic imagery, see Valentine and others, 1999, 2000, and 2001 (U.S. Geological Survey Geologic Investigations Series Map I-2701 to I-2718). For a color map of digital contour topography (EPS, PS, Arc export, PDF format), see Valentine and others, 1999. On this map, the locations of the corners of the 18 quadrangles are shown for reference as ticks labeled outside the map edges and as large crosses within the map area. The great topographic detail of the seabed revealed by this survey warrants the naming here of many geographic features. Some features were named in consultation with local fishermen. The Stellwagen Bank National Marine Sanctuary Mapping Project is a cooperative effort of the U.S. Geological Survey and the National Oceanic and Atmospheric Administration, with support from the University of New Brunswick and the Canadian Hydrographic Service.

DISCUSSION

Valentine, P.C., Baker, J.L., Unger, T.S., and Poloni, C., 1998, Sea floor topographic map and perspective-view imagery of Quadrangles 1-18, Stellwagen Bank National Marine Sanctuary off Boston, Massachusetts: U.S. Geological Survey Open-File Report 98-138, 1 of 3.

Valentine, P.C., Unger, T.S., Baker, J.L., and Poloni, C., 1999, Sun-illuminated sea floor topographic maps and perspective-view imagery of Quadrangles 1-18, Stellwagen Bank National Marine Sanctuary off Boston, Massachusetts: U.S. Geological Survey Open-File Report 99-363, 1 of 3.

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SEA FLOOR TOPOGRAPHY OF THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY OFF BOSTON, MASSACHUSETTS

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2000

