



U.S. Geological Survey Data Series 469

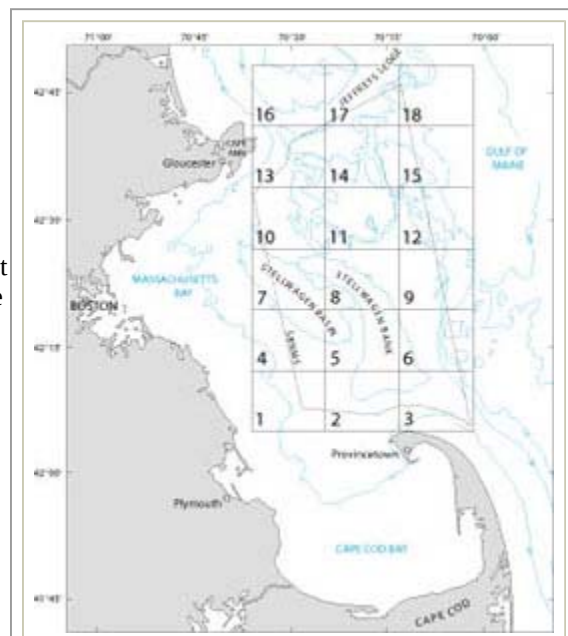
Seabed Photographs, Sediment Texture Analyses, and Sun-illuminated Sea Floor Topography in the Stellwagen Bank National Marine Sanctuary Region off Boston, Massachusetts

Description of Sea-Floor Topography and Geographic Names

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Sea-Floor Topography

Maps showing the sea-floor topography of the Stellwagen Bank National Marine Sanctuary region have been published in both paper and digital formats: <http://woodshole.er.usgs.gov/project-pages/stellwagen/stellwagenbank.html>. An 18-map series showing the sun-illuminated topography of each of the quadrangles (scale 1:25,000), including a description of seabed features, was published on paper in 1999-2001 (USGS Maps I-2701 to 2718). These maps are included here in digital (PDF) format with separate files of the descriptive text. During the mapping project, many seabed features were named for the first time, and subsequent maps showing the entire 18-quadrangle region (scale 1:60,000) display these names. Refer to USGS Scientific Investigations Maps 2840-A or -B to see the locations of named features.



Location map showing the 18 quadrangles in the Stellwagen Bank region.

Topographic Maps

To view all of the geographic names in Stellwagen Bank National Marine Sanctuary region, choose either of the two maps below to download.

USGS Scientific Investigations Map 2840-A (sea-floor topography; 1:60,000)

USGS Scientific Investigations Map 2840-B (sun-illuminated sea-floor topography; 1:60,000)

To view and/or download a 1:25,000 map of an individual quadrangle showing sun-illuminated topography and/or a description of its seabed topography, choose from the table below.

View printing instructions [here](#).

Quadrangle	Sun-Illuminated topographic map, 1:25,000 (PDF)	Description of topographic features (PDF)
1	USGS Map I-2701 (2.5 MB)	Quadrangle 1 description of topographic features (33 KB)
2	USGS Map I-2702 (2.3 MB)	Quadrangle 2 description of topographic features (31 KB)
3	USGS Map I-2703 (2.2 MB)	Quadrangle 3 description of topographic features (31 KB)

4	USGS Map I-2704 (2.6 MB)	Quadrangle 4 description of topographic features (34 KB)
5	USGS Map I-2705 (2.4 MB)	Quadrangle 5 description of topographic features (33 KB)
6	USGS Map I-2706 (2.7 MB)	Quadrangle 6 description of topographic features (32 KB)
7	USGS Map I-2707 (2.7 MB)	Quadrangle 7 description of topographic features (35 KB)
8	USGS Map I-2708 (2.6 MB)	Quadrangle 8 description of topographic features (33 KB)
9	USGS Map I-2709 (2.9 MB)	Quadrangle 9 description of topographic features (32 KB)
10	USGS Map I-2710 (2.8 MB)	Quadrangle 10 description of topographic features (36 KB)
11	USGS Map I-2711 (3.3 MB)	Quadrangle 11 description of topographic features (33 KB)
12	USGS Map I-2712 (3.1 MB)	Quadrangle 12 description of topographic features (33 KB)
13	USGS Map I-2713 (2.7 MB)	Quadrangle 13 description of topographic features (37 KB)
14	USGS Map I-2714 (3.0 MB)	Quadrangle 14 description of topographic features (33 KB)
15	USGS Map I-2715 (3.6 MB)	Quadrangle 15 description of topographic features (33 KB)
16	USGS Map I-2716 (2.8 MB)	Quadrangle 16 description of topographic features (33 KB)
17	USGS Map I-2717 (2.9 MB)	Quadrangle 17 description of topographic features (34 KB)
18	USGS Map I-2718 (3.6 MB)	Quadrangle 18 description of topographic features (32 KB)

Geographic Names

Named geographic features that lie within the 18 quadrangles of the Stellwagen Bank National Marine Sanctuary region are listed below by quadrangle. Most of these features were named during the mapping project, and a link to the official description is provided. Some feature names are historical; no official description is available. An alphabetized list of names and descriptions is available at <http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html>.

Quadrangle	Geographic name	Description
Quadrangle 1	Stellwagen Basin	historical name; no detailed official description available
Quadrangle 2	Little Stellwagen Basin	historical name; no detailed official description available
	Race Point Channel	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#racepointchannel
	Southwest Corner	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#southwestcorner
	Stellwagen Bank	historical name; no detailed official description available

	Stellwagen Basin	historical name; no detailed official description available
Quadrangle 3	Little Stellwagen Basin	historical name; no detailed official description available
	Race Point Channel	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#racepointchannel
	South Ninety Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#sninetybank
	Stellwagen Bank	historical name; no detailed official description available
Quadrangle 4	East Breakwater Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#ebreakwaterbank
	Long Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#longbank
	Southwestern Spur	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#southwesternspur
	Stellwagen Basin	historical name; no detailed official description available
Quadrangle 5	Fifteen Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#fifteenbank
	Southwestern Spur	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#southwesternspur
	Stellwagen Basin	historical name; no detailed official description available
	Western Spur	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#westernspur
Quadrangle 6	East Ninety Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#eastninetybank
	Middle Ninety Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#middleninetybank
	Ninety Meter Banks	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#ninetymeterbanks
	North Ninety Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#northninetybank
	South Ninety Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#sninetybank
	Stellwagen Bank	historical name; no detailed official description available
Quadrangle 7	Compass Rose Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#compassrosebank
	East Breakwater Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#ebreakwaterbank
	Lower Stellwagen Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#lowerstellwagenbank
	Northwest Corner	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#northwestcorner
	Stellwagen Bank	historical name; no detailed official description available
	Stellwagen Basin	historical name; no detailed official description available
	The Breakwater	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#breakwater
		http://woodshole.er.usgs.gov/project-

	The Rockpile	pages/stellwagen/html/geonames.html#therockpile
	West Breakwater Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#wbreakwaterbank
Quadrangle 8	Stellwagen Bank	historical name; no detailed official description available
	Stellwagen Basin	historical name; no detailed official description available
	Western Edge	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#westernedge
	Western Spur	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#westernspur
Quadrangle 9	Stellwagen Bank	historical name; no detailed official description available
Quadrangle 10	Ellipse Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#ellipsebank
	Gloucester Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#gloucesterbank
	Gloucester Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#gloucesterbasin
	Lower Stellwagen Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#lowerstellwagenbank
	Polygon Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#polygonbank
	Stenos Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#stenosbasin
Quadrangle 11	Creed Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#creedbasin
	Creed Ridge	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#creedridge
	East Tillies Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#etilliesbasin
	Gloucester Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#gloucesterbasin
	Little Tillies Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#ltilliesbasin
	Northern Valley	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#northernvalley
	Polygon Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#polygonbank
	Tillies Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#tilliesbank
	West Tillies Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#wtilliesbasin
	Y Valley	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#yvalley
Quadrangle 12	Triple Valley	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#triplevalley
	Y Valley	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#yvalley

Quadrangle 13	Gloucester Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#gloucesterbank
	Gloucester Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#gloucesterbasin
	Jeffreys Ledge	historical name; no detailed official description available
	Polygon Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#polygonbank
	Polygon Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#polygonbasin
	Salvages Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#salvagesbasin
	Thacher Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#thacherbank
	Thacher Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#thacherbasin
Quadrangle 14	Creed Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#creedbasin
	Creed Ridge	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#creedridge
	East Tillies Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#etilliesbasin
	Jeffreys Ledge	historical name; no detailed official description available
	North Tillies Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#northtilliesbasin
	Polygon Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#polygonbasin
	Tillies Bank	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#tilliesbank
	West Tillies Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#wtilliesbasin
Quadrangle 15	Y Valley	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#yvalley
Quadrangle 16	Jeffreys Ledge	historical name; no detailed official description available
	Scantum Basin	historical name; no detailed official description available
	The Stone Wall	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#stonewall
Quadrangle 17	East Pigeon Hill	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#epigeonhill
	First Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#firstbasin
	Jeffreys Ledge	historical name; no detailed official description available
	Rose and Lucys Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#roslucysbasin
	Sanctuary Hill	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#sanctuaryhill
	Scantum Basin	historical name; no detailed official description available

	Scantum Spur	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#scantumspur
	The Cove	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#thecove
	West Pigeon Hill	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#wpigeonhill
Quadrangle 18	East Hill	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#easthill
	Pigeon Basin	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#pigeonbasin
	Sanctuary Basin	historical name; no detailed official description available
	Sanctuary Hill	http://woodshole.er.usgs.gov/project-pages/stellwagen/html/geonames.html#sanctuaryhill