

upper Long Beach	lower Wilmington	upper Wilmington	Stratigraphic units	Benthic foraminiferal assemblages		Depth, in meters	Laboratory number	Core
				Wheelerian				
				<i>Bolivina spissa</i> Cushman				
				<i>Buccella frigida</i> (Cushman)				
				<i>Bulimina denudata</i> Cushman and Parker				
				<i>Bulimina fossa</i> Cushman and Parker				
				<i>Bulimina marginata</i> d'Orbigny				
				<i>Cancris auricula</i> (Fitchel and Moll)				
				<i>Cassidulina californica</i> Cushman and Hughes				
				<i>Cassidulina limbata</i> Cushman and Hughes				
				<i>Cassidulina tortuosa</i> Cushman and Hughes				
				<i>Cassidulina translucentis</i> Cushman and Hughes				
				<i>Cibicides fletcheri</i> Galloway and Wissler				
				<i>Cibicides lobatulus</i> (Walker and Jacob)				
				<i>Cibicides mckanna'i</i> Galloway and Wissler				
				<i>Cibicides mckanna'i suppressus</i> Martin				
				<i>Cibicides</i> spp.				
				<i>Dentalina obliqua</i> (Linné)				
				<i>Elphidium transluces</i> Natland				
				<i>Epistominella bradyana</i> (Cushman)				
				<i>Epistominella pacifica</i> (Cushman)				
				<i>Fissurina orbignyanus</i> Sequenza				
				<i>Gavelinopsis complanulata</i> (Galloway and Wissler)				
				<i>Gavilinopsis turbinata</i> (Cushman and Valentine)				
				<i>Hoeglundina elegans</i> (d'Orbigny)				
				<i>Lagena costata</i> (Williamson)				
				<i>Lagena hexagona</i> (Williamson)				
				<i>Lagena hispida</i> Reuss				
				<i>Lagena striata</i> (d'Orbigny)				
				<i>Lenticulina cushmani</i> (Galloway and Wissler)				
				<i>Loxostomum bradyi</i> (Asano)				
				<i>Nonionella basispinata</i> (Cushman and Moyer)				
				<i>Nonionella latradorica</i> (Dawson)				
				<i>Nonionella stella</i> Cushman and Moyer				
				<i>Ornatocalymene subtenuis</i> (Galloway and Wissler)				
				<i>Oridorsalis umbonatus</i> (Reuss)				
				<i>Planulina ornata</i> (d'Orbigny)				
				<i>Polymorphina</i> spp.				
				<i>Praglobulimina affinis</i> (d'Orbigny)				
				<i>Quinqueloculina americana</i> d'Orbigny				
				<i>Sigillina elliptica</i> Galloway and Wissler				
				<i>Siphonostularia limittii</i> (Cushman)				
				<i>Trifarina angulosa</i> (Williamson)				
				<i>Uvigerina juncea</i> Cushman and Todd				
				<i>Uvigerina peregrina</i> Cushman				
				<i>Uvigerina senicosa</i> Cushman				
				<i>Vahliolina araucana</i> (d'Orbigny)				
				<i>Vahliolina</i> spp.				
				Total benthic foraminifers				
				Diversity				

[Abundances indicate the percentage of the total benthic foraminiferal fauna or absent (-)]

## Distribution of Benthic Foraminifers in the Westchester Core Site and Monitoring Well, Long Beach, California

By

Kristin McDougall, John Hillhouse, Charles Powell, II, Shannon Mahan, Elmira Wan,  
and Andrei M. Sarna-Wojcicki

2012

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government

This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

For sale by U.S. Geological Survey, Information Services, Box 25286, Federal Center, Denver, CO 80225, 1-888-USGS-USGS

Digital files available at <http://pubs.usgs.gov/of/2011/1274/>

Suggested Citation: McDougall, K., Hillhouse, J., Powell, C., II, Mahan, S., Wan, E., and Sarna-Wojcicki, A.M., 2012, Distribution of benthic foraminifers in the Westchester core site and monitoring well, Long Beach, California, plate 15 in Paleontology and geochronology of the Long Beach core sites and monitoring wells, Long Beach, California: U.S. Geological Survey Open-File Report 2011-1274, 235 p., 18 plates. (Available at <http://pubs.usgs.gov/of/2011/1274/>)