Stratigraphic unit	Field number	Depth, in meters	Mollusca: Bivalvia																								
			Acila castrensis (Hinds)?	*Axinopsida serricata* (Carpenter)	*Chione* sp.	*Crenella decussata* (Montagu)	*Cryptomya* ? sp.	*Cyclocardia* sp.	*Leptopecten latiauratus* (Conrad)	*Lyonsia californica* Conrad	*Macoma* sp.	Myidae, indeterminate	*Mysella* cf. *M. pedroana* Dall	Mytilidae, indeterminate	*Nutricola cymata* (Dall)	*Nutricola tantilla* (Gould)	*Nutricola* sp.	Nuculidae, indeterminate	*Pandora* ? sp.	Pectinidae, indeterminate	*Solen* cf. *S. rostriformis* Dunker	*Tagelus* ? sp.	Tellinidae, indeterminate	*Thyasira flexuosa* (Montagu)	*Tresus* cf. *T. nuttallii* (Conrad)	Veneridae, indeterminate	Indeterminate fragments
Dominguez	LBCH 21, C-1, 36 cm	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH 27, C-1, 83.0-83.5 cm	23.62–23.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
Harbor	LBCH 42, C-1, 70.0-75.0 cm	41.09–41.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-	-	-	X
	LBCH 57, C-1, 4.0 cm	61.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
	LBCH 57, C-1, 13.0 cm	61.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
	LBCH 58, C-1, 43.5-63.5 cm	62.51–62.71	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH 71, C-1, 16.0-17.0 cm	80.93–80.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	X
	LBCH 71, C-1, 49.5-53.5 cm	81.27–81.31	-	X	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	X
	LBCH 71, C-1, 80.5-83.5 cm	81.58–81.61	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 72, C-1, 16-17 cm	82.46–82.47	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-
	LBCH 72, C-1, 57-59 cm	82.87–82.89	-	X	-	-	-	-	-	-	?	-	? sp.	-	X	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 73, C-1, 9.5-10.5 cm	83.92–83.93	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 73, C-1, 73.5-74.5 cm	84.56–84.57	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	X
	LBCH 74, C-1, 133 cm	86.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-
	LBCH 74, C-1, 62-67 cm	85.94–85.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 75, C-1, 52-56 cm	87.39–87.43	-	?	-	X	-	-	-	-	-	-	? sp.	-	X	-	-	-	-	-	-	-	-	-	X	-	X
	LBCH 75, C-1, 74-76 cm	87.61–87.63	-	?	-	-	-	X	-	-	-	-	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-
	LBCH 75, C-1, 93-103 cm	87.80–87.90	X	X	-	-	X	X	-	-	X	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 76, C-1, 20-23 cm	88.59–88.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
	LBCH 76, C-1, 290-295', shoe	89.2–89.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	X
	LBCH shaker 275-295'	<90.0	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH shaker 295-300'	<91.0	-	X	-	-	-	-	-	-	-	-	-	-	sp.	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH 77, C-1, 61.5-73.5 cm	90.5–90.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH 77, C-1, 90-101 cm	90.8–90.9	-	-	-	-	-	-	-	-	-	-	-	-	sp.	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH shaker, 300-310′	<95.0	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X
	LBCH 78, C-1, 79 cm	92.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 78, C-1, 86-90 cm	92.3	-	-	-	-	-	?	-	-	X	-	-	-	sp.	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 78, C-1, 99.5-101 cm	92.4–92.5	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	LBCH 79, C-1, 15-15.5 cm	93.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 66.5-71 cm	93.6–93.7	-	-	-	-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	X
	LBCH 79, C-1, 22.5 cm	93.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 50.5 cm	93.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 75, C-1, 70.5 cm	93.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 85.5 cm	93.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
	LBCH shaker 310-320'	<98.0	-	-	-	-	-	?	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
Bent Spring	LBCH 90, C-1, 67-78 cm	110.4–110.5	-	-	-	-	-	-	X	-	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-
	LBCH 91, C-1, 31-33.5 cm	111.5–111.6	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 93, C-1, 35.5 cm	114.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
upper Wilmington	LBCH 93, C-1, 35.5 cm	130.6	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 106, C-1, 53-56 cm	133.1	-	-	-	-	-	-	-	-	-	-	-	-	-	cf.	-	-	-	-	-	-	-	-	-	-	-
	LBCH 106, C-1, 60 cm	133.2	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Stratigraphic unit	Field number	Depth, in meters	Mollusca: Gastropoda																		Mollusca: Scaphopoda	Arthropoda: Crustacea		Echinodermata: Echinoidea		Chordata	
			Acteocina ? sp.	*Alvinia* sp.	*Antiplanes* ? sp.	*Callianax biplicata* (Sowerby)	Columbellidae, indeterminate	*Homalopoma* sp.	*Lirobittium* ? sp.	*Mitrella* cf. *M. gouldii* (Carpenter)	*Mitrella* cf. *M. tuberosa* (Carpenter)	*Nassarius* sp.	Naticidae, indeterminte	*Ocenebrina foveolata* (Hinds)	*Odostomia* sp.	*Tricolia* sp.	Trochidae, indeterminate	*Turbonilla* sp.	*Turritella cooperi* (Carpenter)	Indeterminate fragments	*Dentalium* sp. (smooth0	*Balanus*? sp.	*Cancer*? sp.	*Dendraster* sp.	Sea urchin, indeterminate	Indeterminate bone	Otolith
Dominguez	LBCH 21, C-1, 36 cm	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 27, C-1, 83.0-83.5 cm	23.62–23.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Harbor	LBCH 42, C-1, 70.0-75.0 cm	41.09–41.14	-	-	-	-	X	-	X	-	-	X	-	-	-	-	-	-	X	X	-	X	-	X	-	-	-
	LBCH 57, C-1, 4.0 cm	61.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 57, C-1, 13.0 cm	61.1	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 58, C-1, 43.5-63.5 cm	62.51–62.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 71, C-1, 16.0-17.0 cm	80.93–80.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 71, C-1, 49.5-53.5 cm	81.27–81.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-
	LBCH 71, C-1, 80.5-83.5 cm	81.58–81.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 72, C-1, 16-17 cm	82.46–82.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 72, C-1, 57-59 cm	82.87–82.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-	-	-	-
	LBCH 73, C-1, 9.5-10.5 cm	83.92–83.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 73, C-1, 73.5-74.5 cm	84.56–84.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 74, C-1, 133 cm	86.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 74, C-1, 62-67 cm	85.94–85.99	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 75, C-1, 52-56 cm	87.39–87.43	-	-	-	-	-	-	-	-	-	X	X	-	?	-	-	-	-	X	-	-	-	-	-	-	-
	LBCH 75, C-1, 74-76 cm	87.61–87.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-	-
	LBCH 75, C-1, 93-103 cm	87.80–87.90	-	-	X	-	X	-	-	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 76, C-1, 20-23 cm	88.59–88.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 76, C-1, 290-295', shoe	89.2–89.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH shaker 275-295'	<90.0	-	-	-	-	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-
	LBCH shaker 295-300'	<91.0	-	-	-	-	-	-	X	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-	X	-
	LBCH 77, C-1, 61.5-73.5 cm	90.5–90.6	X	-	-	-	-	-	-	-	-	?	?	-	-	-	?	-	-	-	-	-	-	-	X	-	-
	LBCH 77, C-1, 90-101 cm	90.8–90.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-
	LBCH shaker, 300-310′	<95.0	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-
	LBCH 78, C-1, 79 cm	92.2	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 78, C-1, 86-90 cm	92.3	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 78, C-1, 99.5-101 cm	92.4–92.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 15-15.5 cm	93.1	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 66.5-71 cm	93.6–93.7	-	X	-	-	-	-	X	X	-	X	X	-	-	-	-	-	-	-	X	-	-	-	-	-	-
	LBCH 79, C-1, 22.5 cm	93.2	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 50.5 cm	93.5	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 75, C-1, 70.5 cm	93.7	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 79, C-1, 85.5 cm	93.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH shaker 310-320'	<98.0	-	-	-	-	-	-	-	sp.?	-	X	-	-	-	-	X	-	-	-	-	-	-	-	X	X	X
Bent Spring	LBCH 90, C-1, 67-78 cm	110.4–110.5	-	-	-	-	-	-	-	sp.	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-
	LBCH 91, C-1, 31-33.5 cm	111.5–111.6	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	?	-	-	X	-	-	-
	LBCH 93, C-1, 35.5 cm	114.4	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-
upper Wilmington	LBCH 93, C-1, 35.5 cm	130.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 106, C-1, 53-56 cm	133.1	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-
	LBCH 106, C-1, 60 cm	133.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[Abundances are indicated as present (X) or absent (-). Questionable identifications (?), comparable identifications (cf.), or similar identifications (aff.) are indicated. The environmental interpretations of each sample are indicated by color. Immigrant species are also indicated by color.]

EXPLANATION

- Marine, probably outer shelf (probably between 20–100 m) [blue]
- Marine, undifferentiated [yellow]
- Taxa in red occur mainly south of the fossil locality (see Taxonomic notes) [pink]

Distribution of Macrofossils in the Long Beach Cabrillo High School 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

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