

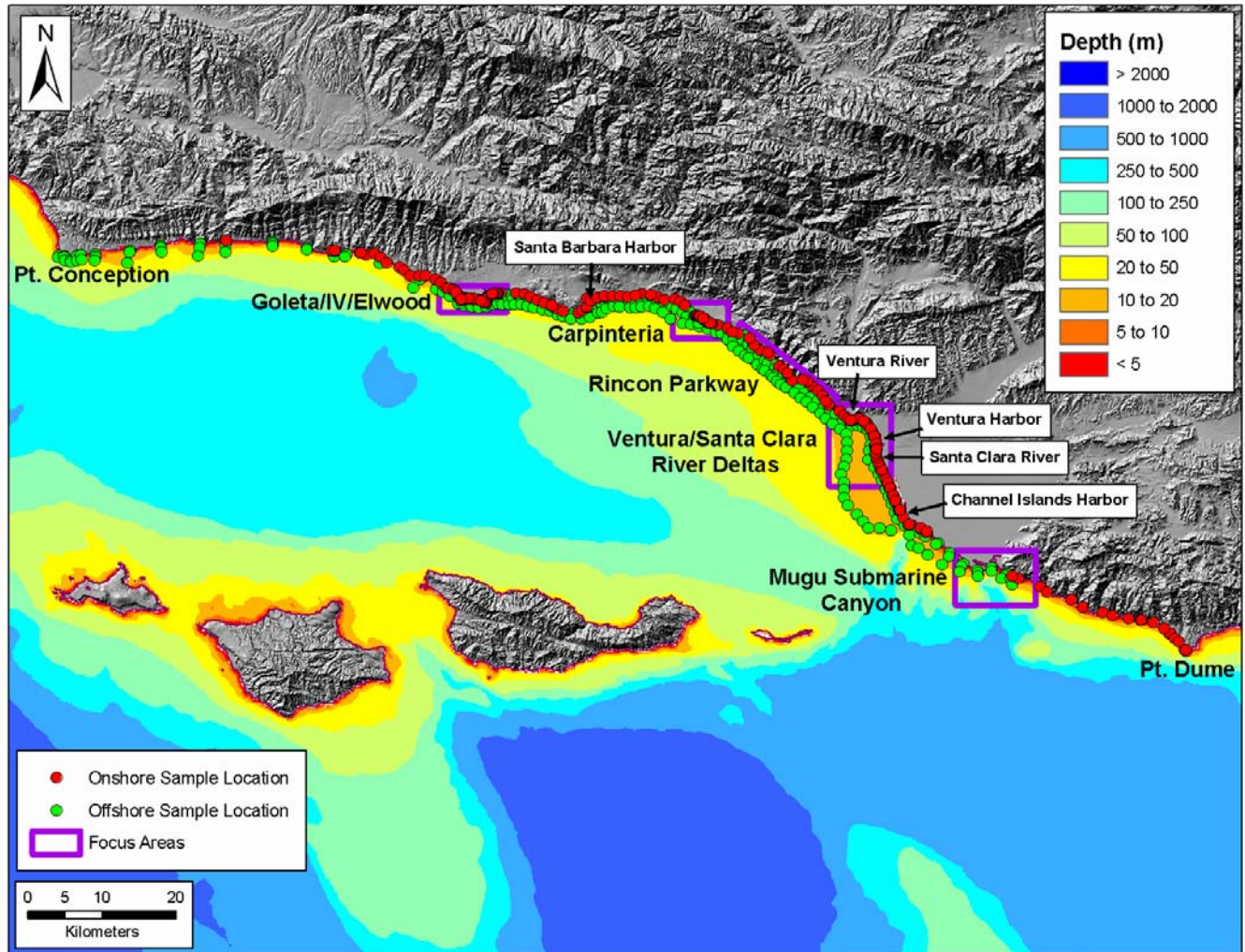
## Appendix D – Grain-Size Data

This Appendix contains detailed grain-size data on samples collected for the BEACON study. More details on the methods and analysis can be found in Chapter 5 and in the following publications of Neomi Mustain.

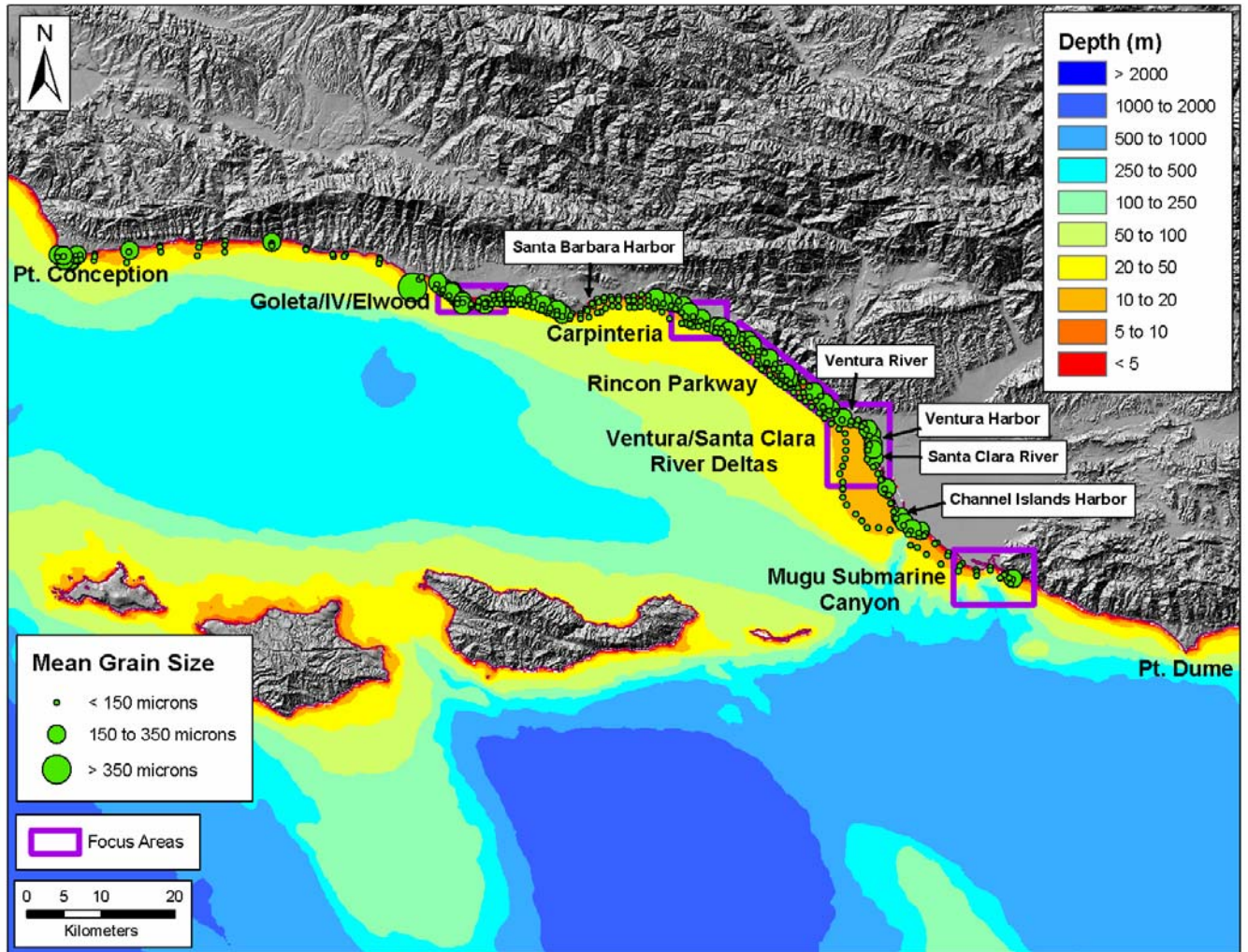
Mustain, Neomi, 2007, Grain size distribution of beach and nearshore sediments of the Santa Barbara littoral cell: Implications for beach nourishment: Santa Cruz, University of California, master's thesis, 107 p.

Mustain, N., Griggs, G., and Barnard, P.L., 2007, A rapid compatibility analysis of potential offshore sand sources for beaches of the Santa Barbara littoral cell *in* Kraus, N.C., Rosati, J.D., eds., Coastal sediments '07: Proceedings of the 6th International Symposium on Coastal Engineering and Science of Coastal Sediment Processes, American Society of Civil Engineers, New Orleans, Louisiana, v. 3, p. 2501-2514.

## Surficial Grain Size Data



**Figure D1.** Eyeball and grab sediment sample locations from the study area.



**Figure D2.** Eyeball and grab sample mean grain-size distribution of offshore samples.

**Table D1.** Mean grain size data for each sample site. Additional grab sample data (for example, sorting, skewness, et cetera) are available upon request.

Key:

Sid Sam	ple ID	
Sur Su	rvey	K=summer kilometer N=summer nearshore S=seasonal high resolution areas
Yr Year		
Sea Season		W=winter S=summer
Tran Transect#		
Lat Latitu	de	
Lon Lo	ngitude	
Dep Dept	h (m)	
Ele Elevation		BF=beach Face MB=mid Beach BB=back Beach O=offshore
Type Sam	ple Type	E=eyeball G=grab B=both eyeball and grab N=none
eMean Eyeball	Mean (mm)	
gMean G	rab Mean (mm)	
gMed Gra	b Median (mm)	

Data:

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
1	K			24	34.47088	-120.22726	0	BF	B	0.2250	0.2405	0.2360
2	K			38	34.46264	-120.07158	0	BF	E	0.2967		
3	K			39	34.46245	-120.06668	0	BF	E	0.1988		
4	K			42	34.46083	-120.02948	0	BF	E	0.2708		
5	K			43	34.45901	-120.02120	0	BF	E	0.3691		
6	K			44	34.46079	-120.00835	0	BF	B	0.2248	0.1964	0.1931
7	K			45	34.45653	-119.99950	0	BF	E	0.2661		
8	K			46	34.45016	-119.99054	0	BF	E	0.2785		
9	K			48	34.44465	-119.97148	0	BF	E	0.2568		
10	K			49	34.44120	-119.96503	0	BF	E	0.3641		
11	K			50	34.43529	-119.95495	0	BF	E	0.2871		
12	K			51	34.43537	-119.94251	0	BF	E	0.2221		
13	K			52	34.43531	-119.93288	0	BF	E	0.1574		
14	K			53	34.43177	-119.91840	0	BF	E	0.2470		
15	K			54	34.42761	-119.91105	0	BF	B	0.2172	0.1943	0.1872
16	K			55	34.42189	-119.90220	0	BF	E	0.2032		
17	K			56	34.41938	-119.89113	0	BF	E	0.2269		
18	K			57	34.41225	-119.88411	0	BF	E	0.2493		
19	K			58	34.40859	-119.87558	0	BF	E	0.2405		
20	K			59	34.40936	-119.86249	0	BF	E	0.2527		
21	K			60	34.40771	-119.85208	0	BF	E	0.2096		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
22	K			61	34.41047	-119.84152	0	BF	E	0.2920		
23	K			62	34.41647	-119.83084	0	BF	E	0.3174		
24	K			63	34.41712	-119.82249	0	BF	E	0.4231		
25	K			65	34.41790	-119.80000	0	BF	B	0.1692	0.1410	0.1438
26	K			66	34.41680	-119.78800	0	BF	E	0.2483		
27	K			67	34.41350	-119.77800	0	BF	E	0.2807		
28	K			68	34.40980	-119.76800	0	BF	E	0.2921		
29	K			69	34.40620	-119.75800	0	BF	E	0.2778		
30	K			70	34.40346	-119.74721	0	BF	E	0.2600		
31	K			71	34.39999	-119.73776	0	BF	E	0.2271		
32	K			72	34.39675	-119.73046	0	BF	E	0.2162		
33	K			73	34.39584	-119.70799	0	BF	E	0.2324		
34	K			74	34.39837	-119.70231	0	BF	B	0.2183	0.2699	0.2602
35	K			75	34.40254	-119.69552	0	BF	E	0.2575		
36	K			76	34.41016	-119.68905	0	BF	E	0.2545		
37	K			77	34.41432	-119.68025	0	BF	E	0.2229		
38	K			78	34.41595	-119.66995	0	BF	E	0.2467		
39	K			79	34.41698	-119.65844	0	BF	E	0.2403		
40	K			80	34.41726	-119.64718	0	BF	E	0.2217		
41	K			81	34.41629	-119.63595	0	BF	E	0.2746		
42	K			82	34.41887	-119.62498	0	BF	E	0.2027		
43	K			83	34.42095	-119.61541	0	BF	E	0.1575		
44	K			84	34.41963	-119.60283	0	BF	B	0.2463	0.2177	0.2142
45	K			85	34.41758	-119.59187	0	BF	E	0.2116		
46	K			86	34.41372	-119.58161	0	BF	E	0.1983		
47	K			87	34.41490	-119.56602	0	BF	E	0.2645		
48	K			88	34.41307	-119.55904	0	BF	E	0.1535		
49	K			89	34.40795	-119.55146	0	BF	E	0.2391		
50	K			90	34.31400	-119.36300	0	BF	E	0.2417		
51	K			91	34.39613	-119.53439	0	BF	E	0.3068		
52	K			92	34.39247	-119.52412	0	BF	E	0.2581		
53	K			93	34.38714	-119.51315	0	BF	E	0.2750		
54	K			94	34.38518	-119.50318	0	BF	B	0.1848	0.2112	0.2075
55	K			95	34.38183	-119.48836	0	BF	E	0.2713		
56	K			96	34.37726	-119.48154	0	BF	E	0.2402		
57	K			97	34.37527	-119.47334	0	BF	E	0.3210		
58	K			99	34.37029	-119.45634	0	BF	E	0.2500		
59	K			100	34.36263	-119.44888	0	BF	E	0.2997		
60	K			101	34.35574	-119.43960	0	BF	E	0.2814		
61	K			102	34.35312	-119.42918	0	BF	E	0.2607		
62	K			103	34.34958	-119.42507	0	BF	E	0.2452		
63	K			104	34.33748	-119.41106	0	BF	B	0.3494	0.2020	0.1993
64	K			105	34.33392	-119.40495	0	BF	E	0.1709		
65	K			106	34.32853	-119.39887	0	BF	E	0.3191		
66	K			107	34.31951	-119.39165	0	BF	E	0.3381		
67	K			108	34.32094	-119.37670	0	BF	E	0.2808		
68	K			109	34.31950	-119.36983	0	BF	E	0.2076		
69	K			111	34.30828	-119.35439	0	BF	E	0.3116		
70	K			112	34.30207	-119.34703	0	BF	E	0.2851		
71	K			113	34.29600	-119.34201	0	BF	E	0.3122		
72	K			114	34.29134	-119.33810	0	BF	B	0.3114	0.2159	0.2119
73	K			115	34.28409	-119.32164	0	BF	E	0.2883		
74	K			116	34.27864	-119.31549	0	BF	E	0.3304		
75	K			117	34.27312	-119.30472	0	BF	E	0.3276		
76	K			118	34.27520	-119.29280	0	BF	E	0.1684		
77	K			119	34.27010	-119.28200	0	BF	E	0.2720		
78	K			120	34.26570	-119.27790	0	BF	E	0.2534		
79	K			121	34.25450	-119.27070	0	BF	E	0.3240		
80	K			122	34.24400	-119.26810	0	BF	E	0.2145		
81	K			123	34.23820	-119.26770	0	BF	E	0.3522		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
82	K			124	34.22770	-119.26560	0	BF	B	0.3812	0.2684	0.2614
83	K			125	34.22030	-119.26190	0	BF	E	0.4015		
84	K			126	34.21380	-119.25860	0	BF	E	0.2420		
85	K			127	34.20210	-119.25170	0	BF	E	0.2609		
86	K			128	34.19209	-119.24625	0	BF	E	0.3155		
87	K			129	34.18343	-119.24166	0	BF	E	0.3560		
88	K			130	34.17620	-119.23763	0	BF	E	0.2964		
89	K			131	34.16569	-119.23147	0	BF	E	0.3513		
90	K			132	34.15640	-119.22499	0	BF	E	0.1773		
91	K			133	34.14780	-119.21720	0	BF	E	0.5842		
92	K			135	34.14337	-119.19935	0	BF	E	0.2120		
93	K			136	34.13923	-119.19108	0	BF	B	0.2552	0.2688	0.2610
94	K			149	34.08819	-119.06486	0	BF	B	0.3986	0.4271	0.4192
95	K			150	34.08560	-119.05510	0	BF	E	0.4206		
96	K			153	34.07560	-119.02260	0	BF	E	0.4363		
97	K			154	34.06980	-119.01270	0	BF	E	0.4760		
98	K			158	34.06070	-118.97740	0	BF	E	0.4207		
99	K			160	34.05190	-118.96070	0	BF	E	0.2923		
100	K			162	34.04570	-118.93160	0	BF	E	0.3734		
101	K			164	34.04250	-118.91620	0	BF	E	0.3838		
102	K			166	34.03920	-118.89310	0	BF	E	0.3171		
103	K			167	34.03800	-118.87550	0	BF	E	0.3495		
104	K			168	34.03780	-118.87420	0	BF	E	0.2673		
105	K			169	34.03510	-118.85630	0	BF	E	0.2085		
106	K			171	34.02800	-118.84090	0	BF	E	0.2369		
107	K			172	34.02190	-118.83240	0	BF	E	0.2767		
108	K			173	34.01630	-118.82470	0	BF	E	0.2719		
109	K			174	34.01250	-118.81970	0	BF	E	0.4113		
110	K			175	34.00250	-118.80980	0	BF	E	0.4802		
111	K			176	34.00120	-118.80790	0	BF	E	0.5593		
112	S	6	W		34.41658	-119.83139	0	BF	E	0.3433		
113	S	6	W		34.41644	-119.82836	0	BF	E	0.3131		
114	S	6	W		34.41636	-119.82950	0	BF	E	0.2359		
115	S	6	W		34.41636	-119.83056	0	BF	E	0.3409		
116	S	6	W		34.41614	-119.83275	0	BF	E	0.2705		
117	S	6	W		34.41592	-119.83383	0	BF	E	0.2999		
118	S	6	W		34.41567	-119.83483	0	BF	E	0.2540		
119	S	6	W		34.41539	-119.83581	0	BF	E	0.3406		
120	S	6	W		34.41500	-119.83686	0	BF	E	0.2040		
121	S	6	W		34.41428	-119.83869	0	BF	E	0.2829		
122	S	6	W		34.41311	-119.84039	0	BF	E	0.2139		
123	S	6	W		34.41094	-119.84150	0	BF	E	0.2861		
124	S	6	W		34.40847	-119.84208	0	BF	E	0.3136		
125	S	6	W		34.40558	-119.84367	0	BF	E	0.3407		
126	S	6	W		34.40481	-119.84458	0	BF	E	0.2879		
127	S	6	W		34.40639	-119.84908	0	BF	E	0.3922		
128	S	6	W		34.40697	-119.85108	0	BF	E	0.3064		
129	S	6	W		34.40872	-119.85742	0	BF	E	0.3525		
130	S	6	W		34.40897	-119.85958	0	BF	E	0.2763		
131	S	6	W		34.40919	-119.86186	0	BF	E	0.2836		
132	S	6	W		34.40792	-119.87964	0	BF	E	0.3198		
133	S	6	W		34.40906	-119.88089	0	BF	E	0.3202		
134	S	6	W		34.41058	-119.88225	0	BF	E	0.3531		
135	S	6	W		34.41219	-119.88347	0	BF	B	0.3601	0.2912	0.2895
136	S	6	W		34.41367	-119.88481	0	BF	E	0.3491		
137	S	6	W		34.41511	-119.88614	0	BF	E	0.2835		
138	S	6	W		34.41658	-119.88767	0	BF	E	0.3445		
139	S	6	W		34.41811	-119.88944	0	BF	E	0.4101		
140	S	6	W		34.41919	-119.89094	0	BF	E	0.3683		
141	S	6	W		34.41994	-119.89306	0	BF	E	0.3824		
142	S	6	W		34.42042	-119.89508	0	BF	E	0.3896		
143	S	6	W		34.42064	-119.89733	0	BF	E	0.2853		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
144	S	6	W		34.42100	-119.89933	0	BF	E	0.3609		
145	S	6	W		34.40689	-119.87814	0	BF	E	0.2434		
146	S	6	W		34.40822	-119.87636	0	BF	E	0.2858		
147	S	6	W		34.40900	-119.87458	0	BF	E	0.2912		
148	S	6	W		34.40919	-119.87244	0	BF	E	0.2543		
149	S	6	W		34.40922	-119.87031	0	BF	E	0.2142		
150	S	6	W		34.40903	-119.86792	0	BF	B	0.1732	0.1692	0.1651
151	S	6	W		34.40914	-119.86594	0	BF	E	0.1344		
152	S	6	S		34.41470	-119.83771	0	BF	E	0.2274		
153	S	6	S		34.41430	-119.83855	0	BF	E	0.2311		
154	S	6	S		34.41385	-119.83935	0	BF	E	0.2642		
155	S	6	S		34.41297	-119.84037	0	BF	E	0.2482		
156	S	6	S		34.41229	-119.84089	0	BF	E	0.2359		
157	S	6	S		34.41140	-119.84135	0	BF	E	0.2573		
158	S	6	S		34.41047	-119.84152	0	BF	E	0.2749		
159	S	6	S		34.40955	-119.84190	0	BF	E	0.1988		
160	S	6	S		34.40866	-119.84217	0	BF	E	0.2990		
161	S	6	S		34.40746	-119.84252	0	BF	E	0.3338		
162	S	6	S		34.40611	-119.84355	0	BF	E	0.3478		
163	S	6	S		34.40544	-119.84373	0	BF	E	0.2538		
164	S	6	S		34.40467	-119.84438	0	BF	E	0.2552		
165	S	6	S		34.40515	-119.84562	0	BF	E	0.2768		
166	S	6	S		34.40560	-119.84663	0	BF	E	0.2443		
167	S	6	S		34.40599	-119.84772	0	BF	E	0.2463		
168	S	6	S		34.40646	-119.84887	0	BF	E	0.2655		
169	S	6	S		34.40702	-119.85019	0	BF	E	0.2234		
170	S	6	S		34.40770	-119.85207	0	BF	E	0.2096		
171	S	6	S		34.40845	-119.85441	0	BF	E	0.2295		
172	S	6	S		34.40884	-119.85639	0	BF	E	0.2564		
173	S	6	S		34.40902	-119.85933	0	BF	E	0.1846		
174	S	6	S		34.40936	-119.86251	0	BF	E	0.2527		
175	S	6	S		34.40920	-119.86549	0	BF	E	0.2447		
176	S	6	S		34.40903	-119.86707	0	BF	E	0.2556		
177	S	6	S		34.40912	-119.86957	0	BF	E	0.2189		
178	S	6	S		34.40917	-119.87205	0	BF	E	0.2544		
179	S	6	S		34.40859	-119.87559	0	BF	E	0.2405		
180	S	6	S		34.40669	-119.87862	0	BF	E	0.1671		
181	S	6	S		34.40768	-119.88029	0	BF	E	0.2181		
182	S	6	S		34.40925	-119.88161	0	BF	E	0.2681		
183	S	6	S		34.41225	-119.88408	0	BF	E	0.2493		
184	S	6	S		34.41440	-119.88605	0	BF	E	0.2520		
185	S	6	S		34.41678	-119.82696	0	BF	E	0.2677		
186	S	6	S		34.41658	-119.82857	0	BF	E	0.3750		
187	S	6	S		34.41649	-119.83083	0	BF	E	0.3174		
188	S	6	S		34.41590	-119.83452	0	BF	E	0.4126		
189	S	6	S		34.41558	-119.83569	0	BF	E	0.2472		
190	S	6	S		34.41502	-119.83689	0	BF	E	0.2721		
191	S	7	W		34.41636	-119.82775	0	BF	E	0.3069		
192	S	7	W		34.41664	-119.82827	0	BF	E	0.3452		
193	S	7	W		34.41634	-119.82844	0	BF	E	0.2455		
194	S	7	W		34.41628	-119.82941	0	BF	E	0.2128		
195	S	7	W		34.41619	-119.83180	0	BF	E	0.2631		
196	S	7	W		34.41607	-119.83274	0	BF	E	0.2375		
197	S	7	W		34.41588	-119.83388	0	BF	E	0.3378		
198	S	7	W		34.41555	-119.83508	0	BF	E	0.2554		
199	S	7	W		34.41528	-119.83580	0	BF	E	0.1581		
200	S	7	W		34.41495	-119.83682	0	BF	E	0.2552		
201	S	7	W		34.41425	-119.83839	0	BF	E	0.1690		
202	S	7	W		34.41048	-119.84151	0	BF	E	0.1917		
203	S	7	W		34.40505	-119.84343	0	BF	E	0.2752		
204	S	7	W		34.40456	-119.84455	0	BF	E	0.2657		
205	S	7	W		34.40548	-119.84704	0	BF	E	0.2950		

Table D1 (cont.). Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
206	S	7	W		34.40704	-119.85091	0	BF	E	0.3221		
207	S	7	W		34.40823	-119.85547	0	BF	E	0.2774		
208	S	7	W		34.40929	-119.86248	0	BF	E	0.2243		
209	S	7	W		34.40909	-119.86957	0	BF	E	0.2043		
210	S	7	W		34.40905	-119.87292	0	BF	E	0.2706		
211	S	7	W		34.40767	-119.87981	0	BF	E	0.2793		
212	S	7	W		34.40874	-119.88100	0	BF	E	0.2767		
213	S	7	W		34.40897	-119.88107	0	BF	E	0.2368		
214	S	7	W		34.41043	-119.88237	0	BF	E	0.2277		
215	S	7	W		34.41248	-119.88399	0	BF	E	0.2514		
216	S	7	W		34.41421	-119.88553	0	BF	E	0.2213		
217	S	6	W		34.39608	-119.53572	0	BF	E	0.2430		
218	S	6	W		34.39608	-119.53450	0	BF	E	0.2932		
219	S	6	W		34.39611	-119.53453	0	BF	E	0.2858		
220	S	6	W		34.39589	-119.53342	0	BF	E	0.3260		
221	S	6	W		34.39561	-119.53167	0	BF	E	0.3297		
222	S	6	W		34.39514	-119.53050	0	BF	E	0.3367		
223	S	6	W		34.39467	-119.52919	0	BF	E	0.2677		
224	S	6	W		34.39422	-119.52803	0	BF	E	0.4318		
225	S	6	W		34.39369	-119.52694	0	BF	E	0.3887		
226	S	6	W		34.39333	-119.52619	0	BF	B	0.2435	0.2538	0.2499
227	S	6	W		34.39286	-119.52528	0	BF	E	0.3309		
228	S	6	W		34.39197	-119.52419	0	BF	E	0.4087		
229	S	6	W		34.39172	-119.52322	0	BF	E	0.3925		
230	S	6	W		34.39078	-119.52156	0	BF	E	0.3426		
231	S	6	W		34.38958	-119.52008	0	BF	E	0.3306		
232	S	6	W		34.38853	-119.51833	0	BF	E	0.2710		
233	S	6	W		34.38711	-119.51342	0	BF	E	0.2384		
234	S	6	S		34.39623	-119.53488	0	BF	E	0.2914		
235	S	6	S		34.39612	-119.53442	0	BF	E	0.3068		
236	S	6	S		34.39605	-119.53402	0	BF	E	0.2746		
237	S	6	S		34.39601	-119.53364	0	BF	E	0.2576		
238	S	6	S		34.39589	-119.53268	0	BF	E	0.2466		
239	S	6	S		34.39573	-119.53183	0	BF	E	0.2359		
240	S	6	S		34.39549	-119.53098	0	BF	E	0.2515		
241	S	6	S		34.39518	-119.53001	0	BF	E	0.2366		
242	S	6	S		34.39482	-119.52912	0	BF	E	0.2237		
243	S	6	S		34.39453	-119.52840	0	BF	E	0.2438		
244	S	6	S		34.39421	-119.52757	0	BF	E	0.2458		
245	S	6	S		34.39383	-119.52668	0	BF	E	0.2746		
246	S	6	S		34.39339	-119.52591	0	BF	E	0.2475		
247	S	6	S		34.39296	-119.52513	0	BF	E	0.2532		
248	S	6	S		34.39247	-119.52417	0	BF	E	0.2581		
249	S	6	S		34.39204	-119.52341	0	BF	E	0.2456		
250	S	6	S		34.39159	-119.52262	0	BF	E	0.2654		
251	S	6	S		34.39108	-119.52188	0	BF	E	0.2278		
252	S	6	S		34.39049	-119.52116	0	BF	E	0.2437		
253	S	6	S		34.38994	-119.52036	0	BF	E	0.2952		
254	S	6	S		34.38949	-119.51962	0	BF	E	0.2157		
255	S	6	S		34.38902	-119.51901	0	BF	E	0.2129		
256	S	6	S		34.38857	-119.51834	0	BF	E	0.2372		
257	S	6	S		34.38796	-119.51742	0	BF	E	0.2568		
258	S	6	S		34.38742	-119.51641	0	BF	E	0.2806		
259	S	6	S		34.38745	-119.51510	0	BF	E	0.2517		
260	S	6	S		34.38727	-119.51400	0	BF	E	0.3363		
261	S	6	S		34.38714	-119.51315	0	BF	E	0.2750		
262	S	6	S		34.38682	-119.51227	0	BF	E	0.2687		
263	S	7	W		34.39605	-119.53397	0	BF	E	0.2875		
264	S	7	W		34.39594	-119.53305	0	BF	E	0.2434		
265	S	7	W		34.39577	-119.53282	0	BF	E	0.3390		
266	S	7	W		34.39571	-119.53243	0	BF	E	0.2890		
267	S	7	W		34.39532	-119.53098	0	BF	E	0.2825		



Table D1 (cont.). Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
268	S	7	W		34.39511	-119.53037	0	BF	E	0.2905		
269	S	7	W		34.39478	-119.52940	0	BF	E	0.3197		
270	S	7	W		34.39493	-119.52928	0	BF	E	0.2708		
271	S	7	W		34.39438	-119.52810	0	BF	E	0.4838		
272	S	7	W		34.39381	-119.52691	0	BF	E	0.3126		
273	S	7	W		34.39307	-119.52568	0	BF	E	0.3576		
274	S	7	W		34.39266	-119.52397	0	BF	E	0.3092		
275	S	7	W		34.39221	-119.52341	0	BF	E	0.2024		
276	S	7	W		34.39157	-119.52220	0	BF	E	0.2043		
277	S	7	W		34.39026	-119.52036	0	BF	E	0.2439		
278	S	7	W		34.38860	-119.51766	0	BF	E	0.2166		
279	S	7	W		34.38755	-119.51446	0	BF	E	0.2833		
280	S	6	W		34.24489	-119.26769	0	BF	B	1.0459	0.4796	0.4773
281	S	6	W		34.20672	-119.25422	0	BF	E	0.8116		
282	S	6	W		34.21486	-119.25853	0	BF	E	0.6368		
283	S	6	W		34.21917	-119.26108	0	BF	E	0.5703		
284	S	6	W		34.22361	-119.26389	0	BF	E	0.4259		
285	S	6	W		34.22756	-119.26536	0	BF	E	0.3927		
286	S	6	W		34.23144	-119.26692	0	BF	B	0.3685	0.2450	0.2410
287	S	6	W		34.23492	-119.26722	0	BF	E	0.2940		
288	S	6	W		34.23803	-119.26722	0	BF	E	0.3262		
289	S	6	W		34.24208	-119.26739	0	BF	E	0.5609		
290	S	6	W		34.27397	-119.28894	0	BF	E	0.2906		
291	S	6	W		34.27067	-119.28361	0	BF	B	0.3049	0.2885	0.2813
292	S	6	W		34.26611	-119.27825	0	BF	E	0.3045		
293	S	6	W		34.26006	-119.27339	0	BF	E	0.3519		
294	S	6	W		34.25603	-119.27114	0	BF	E	0.3247		
295	S	6	W		34.27394	-119.30092	0	BF	E	0.5451		
296	S	6	W		34.27308	-119.30528	0	BF	E	0.4311		
297	S	6	W		34.27372	-119.30608	0	BF	E	0.4251		
298	S	6	W		34.27453	-119.30844	0	BF	E	0.4364		
299	S	6	W		34.27536	-119.29169	0	BF	E	0.3482		
300	S	6	S		34.22030	-119.26190	0	BF	E	0.4015		
301	S	6	S		34.21380	-119.25860	0	BF	E	0.2420		
302	S	6	S		34.20700	-119.25430	0	BF	E	0.3663		
303	S	6	S		34.20210	-119.25170	0	BF	E	0.2609		
304	S	6	S		34.19800	-119.24930	0	BF	E	0.2977		
305	S	6	S		34.21390	-119.25810	0	BF	E	0.4415		
306	S	6	S		34.22360	-119.26370	0	BF	E	0.3734		
307	S	6	S		34.22770	-119.26560	0	BF	E	0.3812		
308	S	6	S		34.23170	-119.26700	0	BF	E	0.3340		
309	S	6	S		34.23500	-119.26760	0	BF	E	0.3845		
310	S	6	S		34.23820	-119.26770	0	BF	E	0.3522		
311	S	6	S		34.24180	-119.26810	0	BF	E	0.3661		
312	S	6	S		34.24400	-119.26810	0	BF	E	0.2145		
313	S	6	S		34.25450	-119.27070	0	BF	E	0.3240		
314	S	6	S		34.26570	-119.27790	0	BF	E	0.2534		
315	S	6	S		34.27010	-119.28200	0	BF	E	0.2720		
316	S	6	S		34.27380	-119.28880	0	BF	E	0.2669		
317	S	6	S		34.27520	-119.29280	0	BF	E	0.1684		
318	S	7	W		34.27549	-119.29528	0	BF	E	0.6235		
319	S	7	W		34.27176	-119.28482	0	BF	E	0.3687		
320	S	7	W		34.26664	-119.27896	0	BF	E	0.3295		
321	S	7	W		34.26226	-119.27512	0	BF	E	0.2870		
322	S	7	W		34.25501	-119.27096	0	BF	E	0.4210		
323	S	7	W		34.24391	-119.26775	0	BF	E	1.1742		
324	S	7	W		34.23922	-119.26743	0	BF	E	0.2939		
325	S	7	W		34.23495	-119.26765	0	BF	E	0.2915		
326	N			1	34.44705	-120.47138	10	O	B	0.1678	0.1890	0.1842
327	N			1	34.44372	-120.47179	20	O	E	0.1410		
328	N			2	34.44631	-120.46303	5	O	E	0.1509		
329	N			2	34.44480	-120.46301	10	O	B	0.1482	0.1139	0.1138

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
330	N			2	34.44008	-120.46232	20	O	E	0.1791		
331	N			3	34.44075	-120.45289	5	O	B 0.	2217	0.2234	0.2182
332	N			3	34.44020	-120.45290	10	O	B	0.2211	0.2004	0.1948
333	N			3	34.43857	-120.45285	20	O	E	0.3155		
334	N			3	34.44782	-120.44348	5	O	B 0.	1666	0.1295	0.1256
335	N			3	34.44623	-120.44416	10	O	B	0.1228	0.1546	0.1392
336	N			3	34.44071	-120.44464	20	O	E	0.1178		
337	N			4	34.44770	-120.43867	5	O	E	0.1432		
338	N			4	34.44769	-120.43869	10	O	E	0.1042		
339	N			4	34.44239	-120.43807	20	O	E	0.1025		
340	N			6	34.44910	-120.41743	5	O	E	0.1125		
341	N			6	34.44648	-120.41780	10	O	E	0.0821		
342	N			6	34.44122	-120.41878	20	O	E	0.0886		
343	N			10	34.45490	-120.36644	5	O	E	0.1993		
344	N			10	34.45302	-120.36730	10	O	E	0.1055		
345	N			10	34.43973	-120.37117	20	O	N			
346	N			15	34.46168	-120.32231	5	O	E	0.1288		
347	N			15	34.46045	-120.32213	10	O	E	0.0901		
348	N			15	34.45492	-120.32132	20	O	E	0.0830		
349	N			20	34.46599	-120.26441	5	O	E	0.1472		
350	N			20	34.46181	-120.26556	10	O	E	0.0925		
351	N			20	34.45119	-120.26747	20	O	E	0.1302		
352	N			24	34.46948	-120.22713	5	O	B 0.	1140	0.2212	0.2129
353	N			24	34.46563	-120.22719	10	O	B	0.0988	0.1080	0.0899
354	N			24	34.45721	-120.22758	20	O	B	0.1349	0.1999	0.1934
355	N			30	34.47060	-120.15890	5	O	E	0.1961		
356	N			30	34.46922	-120.15840	10	O	E	0.1148		
357	N			30	34.46622	-120.15816	20	O	E	0.0866		
358	N			35	34.46475	-120.10824	5	O	E	0.1423		
359	N			35	34.46300	-120.10848	10	O	E	0.0896		
360	N			35	34.45829	-120.06874	20	O	E	0.0834		
361	N			38	34.45828	-120.06873	5	O	B 0.	0865	0.1697	0.1653
362	N			38	34.45827	-120.06873	10	O	B	0.0782	0.1223	0.1192
363	N			38	34.45588	-120.06815	20	O	B	0.0836	0.0768	0.0748
364	N			40	34.45506	-119.99955	5	O	E	0.1156		
365	N			40	34.45873	-120.05056	10	O	E	0.0907		
366	N			40	34.45568	-120.05180	20	O	E	0.0872		
367	N			45	34.45507	-119.99954	5	O	E	0.1466		
368	N			45	34.45325	-119.99972	10	O	E	0.0872		
369	N			45	34.44883	-120.00021	20	O	E	0.0860		
370	N			50	34.43424	-119.93797	5	O	G		0.1457	0.1388
371	N			50	34.43088	-119.94074	10	O	E	0.1163		
372	N			50	34.42037	-119.95074	20	O	E	0.7083		
373	N			54	34.42762	-119.91366	5	O	E	0.1540		
374	N			54	34.42482	-119.91500	10	O	E	0.0835		
375	N			54	34.41938	-119.91654	20	O	E	0.0825		
376	N			55	34.42114	-119.90409	5	O	E	0.2076		
377	N			55	34.41904	-119.90556	10	O	N			
378	N			55	34.41624	-119.90709	20	O	E	0.0825		
379	N			56	34.41827	-119.89267	5	O	E	0.1813		
380	N			56	34.41637	-119.89379	10	O	E	0.1612		
381	N			56	34.41130	-119.89636	20	O	E	0.0792		
382	N			57	34.41013	-119.88443	5	O	E	0.2282		
383	N			57	34.40814	-119.88439	10	O	E	0.1345		
384	N			57	34.40293	-119.88442	20	O	E	0.0922		
385	N			58	34.40577	-119.87690	5	O	E	0.1576		
386	N			58	34.40368	-119.87667	10	O	N			
387	N			58	34.40149	-119.87621	20	O	E	0.1570		
388	N			59	34.40368	-119.87844	5	O	E	0.1707		
389	N			59	34.40239	-119.86345	10	O	N			
390	N			59	34.39997	-119.86335	20	O	E	0.0854		
391	N			60	34.40660	-119.85310	5	O	N			

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
392	N			60	34.40283	-119.85385	10	O	E	0.1133		
393	N			60	34.39911	-119.85398	20	O	E	0.0995		
394	N			61	34.40396	-119.84391	5	O	N			
395	N			61	34.40229	-119.84354	10	O	E	0.1585		
396	N			61	34.40013	-119.84263	20	O	E	0.0847		
397	N			61	34.40558	-119.84166	5	O	E	0.1254		
398	N			61	34.40385	-119.83896	10	O	E	0.0967		
399	N			61	34.40251	-119.83426	20	O	E	0.0853		
400	N			62	34.41421	-119.83186	5	O	E	0.0884		
401	N			62	34.40793	-119.82951	10	O	E	0.0878		
402	N			62	34.40402	-119.82646	20	O	E	0.0800		
403	N			63	34.41479	-119.82300	5	O	E	0.0800		
404	N			63	34.40991	-119.82132	10	O	E	0.0941		
405	N			63	34.40320	-119.81884	20	O	E	0.1071		
406	N			64	34.41530	-119.81140	5	O	N			
407	N			64	34.41090	-119.81084	10	O	E	0.0785		
408	N			64	34.40315	-119.80963	20	O	E	0.1201		
409	N			65	34.41438	-119.80560	5	O	E	0.3230		
410	N			65	34.41117	-119.80450	10	O	E	0.0892		
411	N			65	34.40393	-119.80150	20	O	E	0.1034		
412	N			66	34.41615	-119.79110	5	O	E	0.1609		
413	N			66	34.41032	-119.79178	10	O	E	0.0826		
414	N			66	34.40419	-119.79117	20	O	E	0.0763		
415	N			67	34.41322	-119.77990	5	O	E	0.1326		
416	N			67	34.40967	-119.78080	10	O	E	0.0874		
417	N			67	34.40272	-119.78272	20	O	E	0.0788		
418	N			68	34.40949	-119.77114	5	O	E	0.2873		
419	N			68	34.40688	-119.77190	10	O	E	0.0799		
420	N			68	34.40076	-119.77375	20	O	E	0.0838		
421	N			69	34.40509	-119.75935	5	O	E	0.1948		
422	N			69	34.40347	-119.75908	10	O	E	0.1036		
423	N			69	34.39843	-119.76010	20	O	E	0.0771		
424	N			70	34.40150	-119.74815	5	O	E	0.1992		
425	N			70	34.39997	-119.74790	10	O	E	0.0834		
426	N			70	34.39643	-119.74922	20	O	E	0.0842		
427	N			71	34.39860	-119.73775	5	O	E	0.1793		
428	N			71	34.39693	-119.73785	10	O	E	0.1038		
429	N			71	34.39208	-119.73787	20	O	E	0.0862		
430	N			72	34.39471	-119.72937	5	O	E	0.1911		
431	N			72	34.39332	-119.72954	10	O	E	0.1877		
432	N			72	34.39064	-119.72942	20	O	E	0.1010		
433	N			73	34.39419	-119.71545	5	O	E	0.1369		
434	N			73	34.39215	-119.71718	10	O	E	0.0774		
435	N			73	34.38813	-119.71830	20	O	E	0.0786		
436	N			74	34.39453	-119.70350	5	O	E	0.1006		
437	N			74	34.39208	-119.70347	10	O	E	0.0892		
438	N			74	34.38853	-119.70266	20	O	E	0.0831		
439	N			75	34.40100	-119.69508	5	O	E	0.1026		
440	N			75	34.39877	-119.69377	10	O	N			
441	N			75	34.39094	-119.69092	20	O	E	0.0945		
442	N			76	34.40715	-119.68652	5	O	E	0.0798		
443	N			76	34.40494	-119.68497	10	O	E	0.1345		
444	N			76	34.39619	-119.67858	20	O	E	0.0911		
445	N			77	34.41309	-119.67938	5	O	E	0.0839		
446	N			77	34.40884	-119.67701	10	O	E	0.0810		
447	N			77	34.39698	-119.67348	20	O	E	0.0977		
448	N			78	34.41470	-119.66949	5	O	E	0.0796		
449	N			78	34.41147	-119.66923	10	O	E	0.0844		
450	N			78	34.40230	-119.66617	20	O	E	0.0837		
451	N			79	34.41617	-119.65914	5	O	E	0.1294		
452	N			79	34.41265	-119.65849	10	O	E	0.0820		
453	N			79	34.40484	-119.65705	20	O	E	0.0850		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
454	N			80	34.41609	-119.64765	5	O	E	0.1191		
455	N			80	34.41315	-119.64745	10	O	E	0.0778		
456	N			80	34.40413	-119.64771	20	O	E	0.0808		
457	N			81	34.41560	-119.63471	5	O	E	0.0982		
458	N			81	34.41165	-119.63394	10	O	E	0.0819		
459	N			81	34.40376	-119.63219	20	O	E	0.0858		
460	N			82	34.41746	-119.62565	5	O	E	0.0950		
461	N			82	34.41233	-119.62532	10	O	E	0.0812		
462	N			82	34.40395	-119.62468	20	O	E	0.0827		
463	N			83	34.41941	-119.61497	5	O	E	0.0739		
464	N			83	34.41190	-119.61520	10	O	E	0.0758		
465	N			83	34.40506	-119.61541	20	O	E	0.0887		
466	N			84	34.41801	-119.60471	5	O	E	0.1041		
467	N			84	34.41244	-119.60489	10	O	E	0.0792		
468	N			84	34.40612	-119.60461	20	O	E	0.0859		
469	N			85	34.41687	-119.59302	5	O	E	0.1639		
470	N			85	34.41107	-119.59372	10	O	E	0.0807		
471	N			85	34.40384	-119.59501	20	O	E	0.0845		
472	N			86	34.41262	-119.58218	5	O	E	0.2155		
473	N			86	34.40918	-119.58240	10	O	E	0.0973		
474	N			86	34.39891	-119.58423	20	O	E	0.0853		
475	N			87	34.41158	-119.57075	5	O	E	0.2572		
476	N			87	34.40666	-119.57071	10	O	E	0.0770		
477	N			87	34.39101	-119.57206	20	O	E	0.0799		
478	N			88	34.41249	-119.56021	5	O	E	0.1132		
479	N			88	34.40296	-119.56419	10	O	E	0.0765		
480	N			89	34.40703	-119.55243	5	O	E	0.1603		
481	N			89	34.39866	-119.55530	10	O	E	0.0782		
482	N			90	34.40017	-119.54424	5	O	E	0.1529		
483	N			90	34.39444	-119.54879	10	O	E	0.0776		
484	N			90	34.38611	-119.55487	20	O	E	0.0838		
485	N			91	34.39448	-119.53752	5	O	N			
486	N			91	34.38983	-119.53939	10	O	E	0.2369		
487	N			91	34.38509	-119.54178	20	O	E	0.0931		
488	N			92	34.39173	-119.52545	5	O	E	0.1677		
489	N			92	34.38919	-119.52642	10	O	E	0.0792		
490	N			92	34.38240	-119.53041	20	O	E	0.0785		
491	N			93	34.38640	-119.51609	5	O	E	0.1185		
492	N			93	34.38471	-119.51622	10	O	E	0.0801		
493	N			93	34.37984	-119.51799	20	O	E	0.0800		
494	N			94	34.38782	-119.53154	0	O	E	0.0921		
495	N			94	34.38356	-119.50270	5	O	E	0.1966		
496	N			94	34.38192	-119.50315	10	O	E	0.0913		
497	N			94	34.37602	-119.50529	20	O	E	0.0865		
498	N			95	34.38229	-119.49526	5	O	B 0.	1821	0.1757	0.1720
499	N			95	34.38051	-119.49545	10	O	B	0.0910	0.1016	0.1019
500	N			95	34.37493	-119.49740	20	O	E	0.0894		
501	N			96	34.37866	-119.48504	5	O	E	0.1617		
502	N			96	34.37612	-119.48598	10	O	E	0.0822		
503	N			96	34.36760	-119.48848	20	O	E	0.0840		
504	N			97	34.37132	-119.47901	5	O	E	0.1882		
505	N			97	34.36919	-119.47908	10	O	N			
506	N			97	34.35990	-119.47980	20	O	E	0.1416		
507	N			98	34.37368	-119.46481	5	O	E	0.1255		
508	N			98	34.36831	-119.46610	10	O	E	0.0843		
509	N			98	34.35455	-119.47138	20	O	E	0.0831		
510	N			99	34.36790	-119.45646	5	O	E	0.2092		
511	N			99	34.36336	-119.45790	10	O	E	0.0773		
512	N			99	34.34940	-119.46210	20	O	E	0.0843		
513	N			100	34.36129	-119.44969	5	O	E	0.1694		
514	N			100	34.35783	-119.45164	10	O	E	0.0814		
515	N			100	34.34686	-119.45681	20	O	E	0.0816		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
516	N			101	34.35410	-119.44130	5	O	E	0.1312		
517	N			101	34.34921	-119.44208	10	O	E	0.1418		
518	N			101	34.33863	-119.44406	20	O	E	0.0824		
519	N			102	34.35253	-119.43149	5	O	E	0.1391		
520	N			102	34.34283	-119.43268	10	O	E	0.1796		
521	N			102	34.33299	-119.43550	20	O	E	0.0848		
522	N			103	34.34589	-119.42494	5	O	E	0.1796		
523	N			103	34.34053	-119.42804	10	O	E	0.0814		
524	N			103	34.33121	-119.43208	20	O	E	0.0864		
525	N			104	34.33865	-119.41552	5	O	E	0.1346		
526	N			104	34.33332	-119.41819	10	O	E	0.0809		
527	N			104	34.32602	-119.42303	20	O	E	0.0837		
528	N			105	34.33436	-119.40893	5	O	N			
529	N			105	34.33030	-119.41280	10	O	E	0.0829		
530	N			105	34.32327	-119.42036	20	O	E	0.0849		
531	N			106	34.32825	-119.40043	5	O	E	0.1547		
532	N			106	34.32507	-119.40527	10	O	E	0.0893		
533	N			106	34.31903	-119.41405	20	O	E	0.0867		
534	N			107	34.32149	-119.39519	5	O	E	0.1853		
535	N			107	34.31957	-119.39851	10	O	E	0.0901		
536	N			107	34.31530	-119.40863	20	O	E	0.0870		
537	N			108	34.31796	-119.39364	5	O	E	0.1893		
538	N			108	34.31642	-119.39356	10	O	E	0.0872		
539	N			108	34.31145	-119.40107	20	O	E	0.0823		
540	N			109	34.31812	-119.37469	5	O	E	0.1258		
541	N			109	34.31111	-119.38220	10	O	E	0.0826		
542	N			109	34.30515	-119.38851	20	O	E	0.0802		
543	N			110	34.31313	-119.36549	5	O	E	0.0986		
544	N			110	34.30539	-119.37329	10	O	E	0.0823		
545	N			110	34.29909	-119.37867	20	O	E	0.0858		
546	N			111	34.30630	-119.35785	5	O	E	0.1644		
547	N			111	34.30048	-119.36491	10	O	E	0.0839		
548	N			111	34.29480	-119.37063	20	O	E	0.0859		
549	N			112	34.30108	-119.34783	5	O	E	0.1190		
550	N			112	34.29605	-119.35422	10	O	E	0.0879		
551	N			112	34.28860	-119.36095	20	O	E	0.0843		
552	N			113	34.29288	-119.34222	5	O	E	0.1523		
553	N			113	34.28835	-119.34458	10	O	N			
554	N			113	34.28057	-119.35002	20	O	E	0.0884		
555	N			114	34.28642	-119.33309	5	O	E	0.1602		
556	N			114	34.28381	-119.33501	10	O	E	0.0884		
557	N			114	34.27498	-119.34156	20	O	E	0.0933		
558	N			115	34.28362	-119.32492	5	O	E	0.1392		
559	N			115	34.28039	-119.32762	10	O	E	0.0882		
560	N			115	34.26805	-119.33164	20	O	E	0.0913		
561	N			116	34.27568	-119.31502	5	O	E	0.1882		
562	N			116	34.27371	-119.31669	10	O	E	0.0918		
563	N			116	34.26243	-119.32067	20	O	E	0.0883		
564	N			117	34.27137	-119.30257	5	O	N			
565	N			117	34.26727	-119.30400	10	O	E	0.1084		
566	N			117	34.25649	-119.31068	20	O	E	0.1070		
567	N			118	34.27358	-119.29296	5	O	E	0.1024		
568	N			118	34.26755	-119.29521	10	O	E	0.0934		
569	N			119	34.26910	-119.28376	5	O	E	0.1416		
570	N			119	34.26582	-119.28700	10	O	E	0.1068		
571	N			120	34.26291	-119.27815	5	O	E	0.1719		
572	N			120	34.26162	-119.28048	10	O	E	0.1089		
573	N			120	34.24662	-119.31031	20	O	E	0.0970		
574	N			121	34.25528	-119.27273	5	O	E	0.1726		
575	N			121	34.25481	-119.27548	10	O	E	0.0972		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
576	N			122	34.24400	-119.26965	5	O	E	0.1522		
577	N			122	34.24350	-119.27483	10	O	E	0.1059		
578	N			123	34.23793	-119.26933	5	O	E	0.1513		
579	N			123	34.23674	-119.27674	10	O	E	0.0960		
580	N			123	34.23672	-119.30961	20	O	E	0.0904		
581	N			124	34.22757	-119.26802	5	O	B 0.	2153	0.1780	0.1835
582	N			124	34.22630	-119.27790	10	O	B	0.0919	0.0714	0.0698
583	N			124	34.22643	-119.31075	20	O	E	0.0856		
584	N			125	34.21879	-119.26409	5	O	E	0.1247		
585	N			125	34.21685	-119.26908	10	O	E	0.1081		
586	N			0	34.21685	-119.31299	20	O	E	0.0854		
587	N			0	34.20727	-119.31721	20	O	E	0.0956		
588	N			126	34.20963	-119.25885	5	O	E	0.1451		
589	N			126	34.20850	-119.26245	10	O	E	0.0893		
590	N			0	34.19756	-119.31316	20	O	E	0.0825		
591	N			0	34.18941	-119.31254	20	O	E	0.0959		
592	N			127	34.20276	-119.25495	5	O	E	0.1468		
593	N			127	34.20130	-119.25761	10	O	E	0.0975		
594	N			127	34.17906	-119.31270	20	O	E	0.0828		
595	N			128	34.19159	-119.24856	5	O	E	0.1669		
596	N			128	34.19064	-119.25140	10	O	E	0.0995		
597	N			128	34.17043	-119.30620	20	O	E	0.0935		
598	N			129	34.18358	-119.24428	5	O	E	0.1100		
599	N			129	34.18251	-119.24720	10	O	E	0.1244		
600	N			129	34.15916	-119.29320	20	O	E	0.0893		
601	N			130	34.17406	-119.23950	5	O	E	0.1345		
602	N			130	34.17283	-119.24206	10	O	E	0.0983		
603	N			130	34.15127	-119.28405	20	O	E	0.0897		
604	N			131	34.16545	-119.23387	5	O	E	0.1207		
605	N			131	34.16328	-119.23728	10	O	E	0.0852		
606	N			131	34.14280	-119.27635	20	O	E	0.0852		
607	N			132	34.15642	-119.22696	5	O	E	0.2197		
608	N			132	34.15474	-119.23411	10	O	E	0.0972		
609	N			132	34.14279	-119.25962	20	O	E	0.0902		
610	N			133	34.15066	-119.22110	5	O	B	0.1816	0.2832	0.2810
611	N			133	34.14647	-119.22272	10	O	B	0.0833	0.0891	0.0865
612	N			133	34.14032	-119.24239	20	O	E	0.0940		
613	N			134	34.14265	-119.21033	5	O	E	0.1576		
614	N			134	34.14014	-119.21207	10	O	E	0.1076		
615	N			134	34.13533	-119.21512	20	O	E	0.0876		
616	N			135	34.14090	-119.19742	5	O	E	0.1810		
617	N			135	34.13811	-119.19972	10	O	E	0.0926		
618	N			135	34.12229	-119.21182	20	O	E	0.0801		
619	N			136	34.13673	-119.18991	5	O	E	0.1128		
620	N			136	34.13440	-119.19194	10	O	E	0.0984		
621	N			136	34.11967	-119.20190	20	O	E	0.1032		
622	N			138	34.12662	-119.17368	5	O	E	0.1363		
623	N			138	34.12486	-119.17605	10	O	E	0.0845		
624	N			138	34.11166	-119.18854	20	O	E	0.0841		
625	N			140	34.11430	-119.15566	5	O	E	0.1215		
626	N			140	34.11076	-119.15742	10	O	E	0.0816		
627	N			140	34.10024	-119.16669	20	O	E	0.0895		
628	N			142	34.10209	-119.13545	5	O	E	0.1186		
629	N			142	34.09944	-119.13888	10	O	E	0.0749		
630	N			142	34.09235	-119.14134	20	O	E	0.0873		
631	N			144	34.09478	-119.11601	5	O	E	0.1408		
632	N			144	34.09185	-119.11488	10	O	E	0.1002		
633	N			144	34.08747	-119.11489	20	O	E	0.0841		
634	N			146	34.09816	-119.09510	10	O	E	0.1061		
635	N			146	34.09458	-119.09450	20	O	E	0.0858		
636	N			148	34.09084	-119.07241	5	O	B	0.1204	0.0704	0.0677
637	N			148	34.08870	-119.07476	10	O	E	0.0891		

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
638	N			148	34.08572	-119.07931	20	O	E	0.0857		
639	N			149	34.08558	-119.06645	10	O	E	0.1065		
640	N			150	34.08492	-119.06128	5	O	E	0.3007		
641	N			150	34.08414	-119.06253	10	O	E	0.1402		
642	N			150	34.07773	-119.06450	20	O	E	0.1174		
643	S	6	W		34.39625	-119.53569			MB	E	0.2566	
644	S	6	W		34.39619	-119.53447			MB	E	0.2719	
645	S	6	W		34.39606	-119.53339			MB	E	0.2380	
646	S	6	W		34.39578	-119.53158			MB	E	0.2707	
647	S	6	W		34.39544	-119.53031			MB	E	0.2987	
648	S	6	W		34.39522	-119.52889			MB	E	0.2062	
649	S	6	W		34.39383	-119.52589			MB	E	0.2333	
650	S	6	W		34.39267	-119.52386			MB	E	0.3604	
651	S	6	W		34.38997	-119.51975			MB	E	0.3914	
652	S	6	W		34.39631	-119.53569			BB	E	0.2621	
653	S	6	W		34.39628	-119.53447			BB	E	0.2497	
654	S	6	W		34.39619	-119.53333			BB	E	0.2708	
655	S	6	W		34.39589	-119.53156			BB	E	0.2426	
656	S	6	W		34.39558	-119.53025			BB	E	0.2501	
657	S	6	W		34.39542	-119.52883			BB	E	0.1861	
658	S	6	W		34.39397	-119.52578			BB	B	0.2354	0.2513 0.2476
659	S	6	W		34.39289	-119.52375			BB	E	0.2569	
660	S	6	W		34.39014	-119.51958			BB	E	0.3286	
661	S	6	W		34.41722	-119.82614			MB	E	0.1604	
662	S	6	W		34.41683	-119.82733			MB	E	0.3484	
663	S	6	W		34.41675	-119.82842			MB	E	0.1707	
664	S	6	W		34.41658	-119.83172			MB	B	0.2750	0.2546 0.2504
665	S	6	W		34.41586	-119.83494			MB	E	0.2330	
666	S	6	W		34.40800	-119.87956			MB	E	0.2654	
667	S	6	W		34.41672	-119.88753			MB	E	0.3078	
668	S	6	W		34.41931	-119.89083			MB	B	0.2735	0.3136 0.3120
669	S	6	W		34.40708	-119.87817			MB	E	0.2148	
670	S	6	W		34.41611	-119.83503			BB	E	0.3119	
671	S	6	W		34.40808	-119.87936			BB	E	0.1925	
672	S	6	W		34.41683	-119.88736			BB	E	0.2308	
673	S	6	W		34.24492	-119.26753			MB	B	0.4496	0.5085 0.4800
674	S	6	W		34.27508	-119.30972			MB	E	0.6326	
675	S	6	W		34.27544	-119.29169			MB	E	0.4167	
676	S	6	W		34.24517	-119.26700			BB	B	0.7008	0.4537 0.4595
677	S	6	W		34.27567	-119.29158			BB	E	0.3553	
678	K			14	34.08825	-119.06479			MB	E	1.0332	
679	K			24	34.47085	-120.22627			MB	E	0.3543	
680	K			24	34.47107	-120.22728			MB	E	0.2936	
681	K			38	34.46280	-120.07163			MB	E	0.2572	
682	K			39	34.46254	-120.06665			MB	E	0.2994	
683	K			42	34.46091	-120.02942			MB	E	0.2802	
684	K			57	34.40806	-119.87963			MB	E	0.2274	
685	K			58	34.40932	-119.86980			MB	E	0.3888	
686	K			60	34.40758	-119.85080			MB	E	0.3989	
687	K			62	34.41597	-119.83446			MB	E	0.2208	
688	K			70	34.40368	-119.74709			MB	E	0.1738	
689	K			75	34.40271	-119.69506			MB	E	0.1656	
690	K			75	34.40266	-119.69557			MB	E	0.2971	
691	K			76	34.41060	-119.68976			MB	E	0.1426	
692	K			76	34.41031	-119.68925			MB	E	0.1913	
693	K			77	34.41457	-119.68030			MB	E	0.2058	
694	K			77	34.41444	-119.68027			MB	E	0.3062	
695	K			78	34.41610	-119.66998			MB	E	0.2747	
696	K			79	34.41709	-119.65842			MB	E	0.2454	
697	K			80	34.41737	-119.64716			MB	E	0.2325	
698	K			80	34.41732	-119.64719			MB	E	0.2529	
699	K			81	34.41637	-119.63601			MB	E	0.2136	

**Table D1 (cont.).** Mean grain size data for each sample site.

Sid	Sur	Yr	Sea	Tran	Lat	Lon	Dep	Ele	Type	eMean	gMean	gMed
700	K			82	34.41894	-119.62495		MB	E	0.2919		
701	K			84	34.41979	-119.60280		MB	E	0.2275		
702	K			84	34.41972	-119.60280		MB	E	0.3763		
703	K			88	34.41313	-119.55877		MB	E	0.2433		
704	K			89	34.40808	-119.55132		MB	E	0.1700		
705	K			91	34.39532	-119.52947		MB	E	0.1817		
706	K			92	34.39292	-119.52429		MB	E	0.2515		
707	K			93	34.38753	-119.51421		MB	E	0.2075		
708	K			96	34.37732	-119.48138		MB	E	0.2742		
709	K			99	34.37043	-119.45616		MB	E	0.2523		
710	K			100	34.36274	-119.44868		MB	E	0.2534		
711	K			102	34.35328	-119.42893		MB	E	0.2261		
712	K			106	34.32861	-119.39872		MB	E	0.4040		
713	K			107	34.31955	-119.39153		MB	E	0.3650		
714	K			108	34.32114	-119.37671		MB	E	0.4250		
715	K			111	34.30840	-119.35425		MB	E	0.2417		
716	K			112	34.30221	-119.34685		MB	E	0.2388		
717	K			117	34.27330	-119.30478		MB	E	0.4241		
718	K			119	34.27318	-119.28651		MB	E	0.3259		
719	K			120	34.26368	-119.27558		MB	E	0.3847		
720	K			122	34.25497	-119.27049		MB	E	0.3588		
721	K			123	34.24519	-119.26758		MB	E	0.2215		
722	K			123	34.23994	-119.26723		MB	E	0.2822		
723	K			127	34.19831	-119.24880		MB	E	0.4163		
724	K			127	34.19818	-119.24924		MB	E	0.3136		
725	K			128	34.19233	-119.24558		MB	E	0.3439		
726	K			128	34.19217	-119.24601		MB	E	0.3767		
727	K			129	34.18349	-119.24112		MB	E	0.3026		
728	K			129	34.18351	-119.24143		MB	E	0.6065		
729	K			129	34.18351	-119.24143		MB	E	0.3918		
730	K			130	34.17648	-119.23728		MB	E	0.2947		
731	K			130	34.17626	-119.23747		MB	E	0.3607		
732	K			131	34.16589	-119.23077		MB	E	0.3413		
733	K			131	34.16573	-119.23128		MB	E	0.3157		
734	K			132	34.15691	-119.22466		MB	E	0.2846		
735	K			132	34.15656	-119.22490		MB	E	0.2705		
736	K			133	34.14801	-119.21641		MB	E	0.3774		
737	K			133	34.14788	-119.21702		MB	E	1.1814		
738	K			149	34.08825	-119.06479		MB	E	0.4737		
739	K			153	34.07558	-119.02254		MB	E	0.4940		
740	K			154	34.06979	-119.01270		MB	E	0.3952		
741	K			154	34.06979	-119.01270		MB	E	0.7442		
742	K			160	34.05203	-118.96063		MB	E	0.3735		
743	K			162	34.04581	-118.93156		MB	E	0.4517		
744	K			164	34.04265	-118.91623		MB	E	0.5950		
745	K			166	34.03934	-118.89300		MB	E	0.5695		
746	K			167	34.03803	-118.87546		MB	E	0.3686		
747	K			168	34.03798	-118.87412		MB	E	0.4876		
748	K			171	34.02811	-118.84082		MB	E	0.5223		
749	K			172	34.02241	-118.83201		MB	E	0.4247		
750	K			173	34.01661	-118.82449		MB	E	0.4812		
751	K			174	34.01279	-118.81941		MB	E	0.5002		
752	K			175	34.00265	-118.80939		MB	E	0.6576		
753	K			24	34.47122	-120.22725		BB	E	0.2370		
754	K			57	34.40816	-119.87943		BB	E	0.2635		
755	K			62	34.41624	-119.83449		BB	E	0.3271		
756	K			70	34.40375	-119.74709		BB	E	0.3101		
757	K			75	34.40312	-119.69521		BB	E	0.3470		
758	K			75	34.41359	-119.69559		BB	E	0.3568		
759	K			76	34.41095	-119.69012		BB	E	0.3860		
760	K			77	34.41480	-119.68035		BB	E	0.3428		
761	K			78	34.41671	-119.66998		BB	E	0.4423		

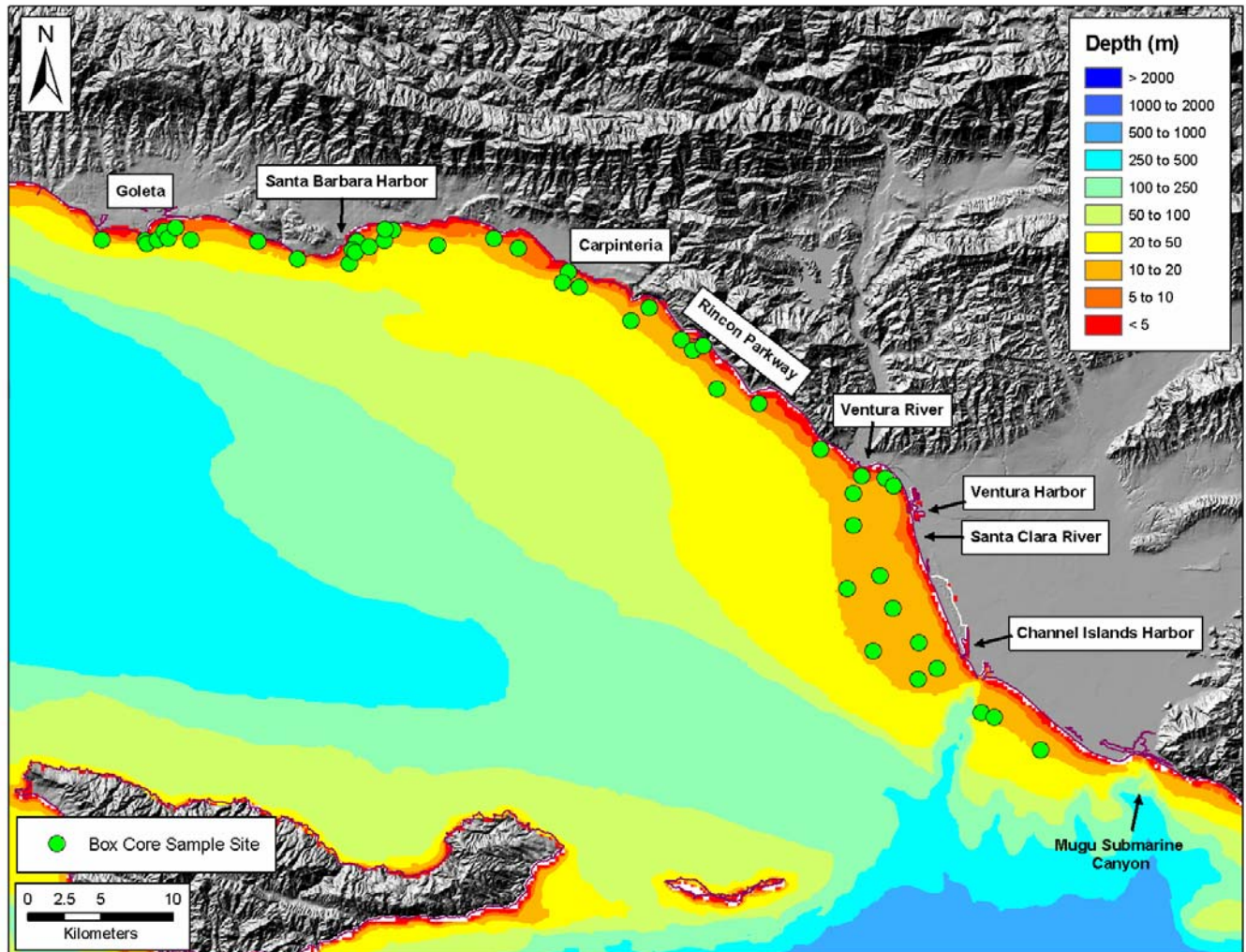


**Table D1 (cont.).** Mean grain size data for each sample site.

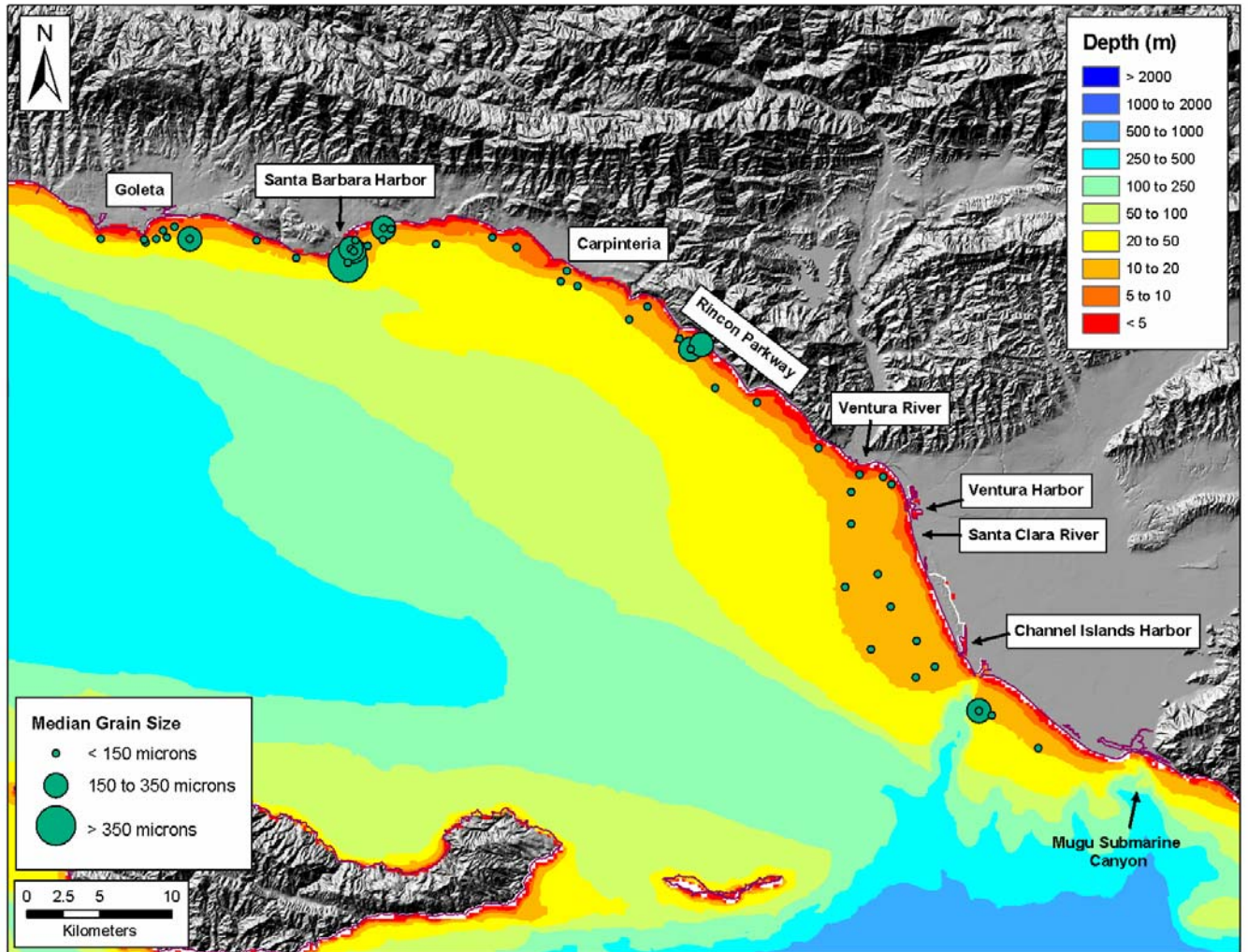
Sid	Sur	Yr Sea	Tran	Lat	Lon	Dep Ele	Type	eMean	gMean
762	K		79	34.41718	-119.65847	BB	E	0.3105	
763	K		80	34.41745	-119.64715	BB	E	0.3548	
764	K		81	34.41645	-119.63603	BB	E	0.3423	
765	K		82	34.41910	-119.62491	BB	E	0.3329	
766	K		84	34.41996	-119.60266	BB	E	0.4570	
767	K		92	34.39309	-119.52410	BB	E	0.9926	
768	K		96	34.37740	-119.48125	BB	E	0.5550	
769	K		99	34.37063	-119.45587	BB	E	0.4051	
770	K		102	34.35342	-119.42882	BB	E	0.4353	
771	K		106	34.32863	-119.39865	BB	E	0.2328	
772	K		113	34.29609	-119.34184	BB	E	0.2294	
773	K		117	34.27352	-119.30477	BB	E	0.1616	
774	K		119	34.27330	-119.28643	BB	E	0.2319	
775	K		120	34.26381	-119.27528	BB	E	0.1547	
776	K		121	34.25517	-119.27030	BB	E	0.2352	
777	K		122	34.24533	-119.26720	BB	E	0.1230	
778	K		123	34.23952	-119.26615	BB	E	0.2359	
779	K		127	34.19855	-119.24815	BB	E	0.3874	
780	K		128	34.19255	-119.24495	BB	E	0.2014	
781	K		129	34.18362	-119.24032	BB	E	0.2212	
782	K		130	34.17656	-119.23686	BB	E	0.2423	
783	K		131	34.16596	-119.23025	BB	E	0.3050	
784	K		133	34.14817	-119.21560	BB	E	0.2453	
785	K		135	34.14426	-119.19884	BB	E	0.2493	
786	K		136	34.14032	-119.19058	BB	E	0.2531	
787	K		149	34.08860	-119.06422	BB	E	0.2265	
788	K		154	34.06992	-119.01259	BB	E	0.2741	
789	K		171	34.02829	-118.84056	BB	E	0.1726	

## Box-Core Data

In October 2007, 123 sediment samples were collected from 48 box-core sample locations. For the methods applied and analysis of the results see Chapter 5. Data are summarized in figures D3 and D4 and tabulated in table D2.



**Figure D3.** Box-core locations from the October 2007 survey.



**Figure D4.** Box-core grain-size variation from the October 2007 survey.

**Table D2.** Box-core sample grain-size data from the October 9-11, 2007, survey, sorted by latitude.

Site	Core depth (cm)	Latitude	Longitude	Depth (m)	mean ( $\mu\text{m}$ )	$d_{10}$ ( $\mu\text{m}$ )	$d_{50}$ ( $\mu\text{m}$ )	$d_{90}$ ( $\mu\text{m}$ )
SB304 0		34.1000	-119.1667	20.7	90.4	55.5	107.4	158.6
SB304 4		34.1000	-119.1667	20.7	69.0	15.6	97.7	144.2
SB304 8		34.1000	-119.1667	20.7	64.0	12.9	95.1	143.5
SB298 0		34.1199	-119.2018	20.4	97.7	45.7	119.6	196.0
SB298 5		34.1199	-119.2018	20.4	60.4	14.0	83.1	156.6
SB298 9		34.1199	-119.2018	20.4	99.8	33.6	115.8	258.7
SB295 0		34.1224	-119.2117	20.7	132.9	71.5	152.9	259.7
SB295 5		34.1224	-119.2117	20.7	71.1	8.7	118.9	227.0
SB295 10		34.1224	-119.2117	20.7	36.6	3.4	49.3	245.0
SB286 0		34.1425	-119.2592	18.9	61.3	25.0	78.0	131.3
SB286 3		34.1425	-119.2592	18.9	64.1	21.7	79.3	151.1
SB286 7		34.1425	-119.2592	18.9	67.3	32.1	84.7	137.0
SB-A9 0		34.1492	-119.2451	17.1	71.8	35.5	88.1	138.0
SB-A9 5		34.1492	-119.2451	17.1	69.0	27.1	87.5	140.9
SB-A9 9		34.1492	-119.2451	17.1	37.8	6.0	62.0	122.3
SB276 0		34.1592	-119.2930	18.6	53.5	17.4	71.1	117.3
SB276 5		34.1592	-119.2930	18.6	48.2	13.1	67.4	113.9
SB276 8		34.1592	-119.2930	18.6	58.3	20.2	74.9	121.7
SB-A8 0		34.1650	-119.2589	16.5	72.4	34.9	89.4	139.2
SB-A8 6		34.1650	-119.2589	16.5	47.2	11.3	74.6	134.5
SB-A7 0		34.1859	-119.2790	17.4	65.6	29.7	81.8	137.4
SB-A7 5		34.1859	-119.2790	17.4	44.3	16.5	52.9	120.6
SB-A7 8		34.1859	-119.2790	17.4	58.1	21.2	77.7	135.0
SB266 0		34.1976	-119.3130	18.6	NaN	NaN	NaN	NaN
SB266 5		34.1976	-119.3130	18.6	30.4	3.9	40.2	135.2
SB266 10		34.1976	-119.3130	18.6	NaN	NaN	NaN	NaN
SB-A6 0		34.2058	-119.2893	17.4	67.7	34.9	81.2	134.3
SB-A6 5		34.2058	-119.2893	17.4	51.3	28.0	59.0	104.0
SB256 0		34.2367	-119.3096	18.6	67.9	26.1	87.1	145.4
SB256 4		34.2367	-119.3096	18.6	62.0	18.2	86.2	149.7
SB256 8		34.2367	-119.3096	18.6	45.1	15.2	56.0	119.4
SB242 0		34.2564	-119.3103	18.0	NaN	NaN	NaN	NaN
SB242 5		34.2564	-119.3103	18.0	12.9	2.3	14.9	55.5
SB242 10		34.2564	-119.3103	18.0	NaN	NaN	NaN	NaN
SB248 0		34.2617	-119.2806	10.1	33.6	6.5	41.6	133.4
SB248 5		34.2617	-119.2806	10.1	54.1	10.5	82.8	152.7
SB248 10		34.2617	-119.2806	10.1	83.1	33.1	106.7	172.9
SB246 0		34.2661	-119.2868	9.1	55.1	22.6	68.3	127.3
SB246 5		34.2661	-119.2868	9.1	89.2	46.4	102.9	193.0
SB246 10		34.2661	-119.2868	9.1	74.1	38.0	90.2	165.6
SB241 0		34.2672	-119.3041	8.8	71.1	31.2	90.8	139.2
SB241 5		34.2672	-119.3041	8.8	85.3	51.4	103.4	160.8
SB232 0		34.2835	-119.3354	9.1	42.4	11.3	56.0	109.1
SB232 5		34.2835	-119.3354	9.1	48.2	12.6	62.5	124.3
SB217 0		34.3105	-119.3822	9.4	77.9	46.0	94.5	136.4

**Table D2 (cont.).** Box-core sample grain-size data from the October 9-11, 2007, survey, sorted by latitude.

Site	Core depth (cm)	Latitude	Longitude	Depth (m)	mean ( $\mu\text{m}$ )	$d_{10}$ ( $\mu\text{m}$ )	$d_{50}$ ( $\mu\text{m}$ )	$d_{90}$ ( $\mu\text{m}$ )
SB217 2		34.3105	-119.3822	9.4	73.2	30.3	95.6	134.1
SB217 7		34.3105	-119.3822	9.4	76.1	37.4	97.5	140.3
SB209 0		34.3190	-119.4138	18.6	42.1	6.4	71.1	119.8
SB209 5		34.3190	-119.4138	18.6	51.8	10.7	76.8	120.4
SB209 10		34.3190	-119.4138	18.6	36.2	5.6	61.4	121.0
SB196 0		34.3426	-119.4325	10.4	NaN	NaN	NaN	NaN
SB196B 0		34.3429	-119.4326	10.4	246.5	95.1	324.8	560.8
SB196B 5		34.3429	-119.4326	10.4	84.7	6.5	172.9	488.4
SB198 0		34.3458	-119.4247	4.6	175.1	117.5	181.3	279.3
SB198 5		34.3458	-119.4247	4.6	177.5	73.0	151.0	659.3
SB193 0		34.3491	-119.4415	10.7	37.5	6.3	59.4	118.9
SB193 5		34.3491	-119.4415	10.7	46.4	8.7	69.0	124.2
SB193 10		34.3491	-119.4415	10.7	30.4	4.4	47.2	109.0
SB193 15		34.3491	-119.4415	10.7	39.0	4.0	64.3	168.7
SB182 0		34.3603	-119.4795	19.2	40.7	5.5	58.9	194.2
SB182 5		34.3603	-119.4795	19.2	85.8	7.0	121.8	517.8
SB182 10		34.3603	-119.4795	19.2	24.2	3.1	26.6	146.1
SB182 15		34.3603	-119.4795	19.2	35.3	3.0	35.7	417.2
SB182 20		34.3603	-119.4795	19.2	16.5	2.8	16.5	98.4
SB184 0		34.3684	-119.4660	9.8	71.5	38.3	85.0	134.9
SB184 3		34.3684	-119.4660	9.8	81.2	50.5	91.5	142.2
SB184 6		34.3684	-119.4660	9.8	65.4	31.3	82.8	134.6
SB169 0		34.3803	-119.5183	19.5	39.9	6.9	61.9	125.7
SB169 5		34.3803	-119.5183	19.5	46.9	7.3	75.7	135.8
SB169 10		34.3803	-119.5183	19.5	57.9	12.3	84.3	143.0
SB166 0		34.3827	-119.5311	19.8	51.6	10.5	73.3	130.8
SB166 5		34.3827	-119.5311	19.8	43.3	8.0	64.8	119.1
SB166 10		34.3827	-119.5311	19.8	49.3	7.8	72.4	143.3
SB165 0		34.3892	-119.5266	10.1	62.2	14.7	88.2	142.5
SB165 5		34.3892	-119.5266	10.1	70.8	28.4	90.0	147.6
SB117 0		34.3908	-119.6908	20.4	198.2	8.9	717.3	1404.3
SB117 5		34.3908	-119.6908	20.4	17.2	3.1	17.9	109.8
SB107 0		34.3930	-119.7294	11.0	127.4	90.2	142.1	206.2
SB107 5		34.3930	-119.7294	11.0	90.9	24.9	126.0	184.5
SB-A2 0		34.3984	-119.6861	13.7	298.3	161.4	315.1	741.8
SB-A2 5		34.3984	-119.6861	13.7	NaN	NaN	NaN	NaN
SB-A1 0		34.3995	-119.6887	11.6	59.8	9.6	74.9	266.2
SB-A1 5		34.3995	-119.6887	11.6	271.5	164.2	285.0	509.2
SB72 0		34.4000	-119.8424	18.3	73.3	10.0	101.0	310.2
SB72 5		34.4000	-119.8424	18.3	28.3	4.4	33.4	148.6
SB62 0		34.4013	-119.8758	19.8	NaN	NaN	NaN	NaN
SB62 5		34.4013	-119.8758	19.8	NaN	NaN	NaN	NaN
SB62 10		34.4013	-119.8758	19.8	34.3	4.8	55.5	133.5
SB-A3 0		34.4019	-119.6763	15.2	67.0	8.2	137.1	265.2
SB-A3 5		34.4019	-119.6763	15.2	24.8	3.5	22.6	235.2

**Table D2 (cont.).** Box-core sample grain-size data from the October 9-11, 2007, survey, sorted by latitude.

Site	Core depth (cm)	Latitude	Longitude	Depth (m)	mean ( $\mu\text{m}$ )	$d_{10}$ ( $\mu\text{m}$ )	$d_{50}$ ( $\mu\text{m}$ )	$d_{90}$ ( $\mu\text{m}$ )
SB71 0		34.4019	-119.8434	10.1	NaN	NaN	NaN	NaN
SB71 5		34.4019	-119.8434	10.1	NaN	NaN	NaN	NaN
SB75 0		34.4024	-119.8346	18.9	33.6	4.9	48.7	154.1
SB155 0		34.4031	-119.5646	10.1	NaN	NaN	NaN	NaN
SB155 5		34.4031	-119.5646	10.1	81.6	50.0	95.4	148.1
SB84 0		34.4032	-119.8095	18.9	134.0	10.6	197.2	686.2
SB84 5		34.4032	-119.8095	18.9	57.3	6.2	110.4	259.8
SB98 0		34.4034	-119.7591	7.9	100.1	72.1	118.7	154.1
SB98 5		34.4034	-119.7591	7.9	107.9	71.0	126.1	185.2
SB78 0		34.4036	-119.8266	18.9	49.7	6.8	83.7	169.6
SB78 5		34.4036	-119.8266	18.9	86.1	13.5	132.6	193.3
SB78 10		34.4036	-119.8266	18.9	87.3	16.8	128.2	182.4
SB138 0		34.4039	-119.6251	20.7	42.7	6.5	56.2	195.6
SB138 5		34.4039	-119.6251	20.7	37.2	5.5	50.2	182.4
SB138 10		34.4039	-119.6251	20.7	28.5	4.1	35.2	170.4
SB138 15		34.4039	-119.6251	20.7	NaN	NaN	NaN	NaN
SB138 18		34.4039	-119.6251	20.7	47.6	5.4	71.4	210.1
SB119 0		34.4048	-119.6851	9.4	89.1	36.5	88.4	299.1
SB119 5		34.4048	-119.6851	9.4	51.1	9.3	64.6	200.4
SB-A4 0		34.4058	-119.6648	18.0	23.0	3.8	28.0	120.7
SB-A4 5		34.4058	-119.6648	18.0	43.4	6.3	57.7	208.4
SB-A4 10		34.4058	-119.6648	18.0	44.0	4.7	66.3	212.4
SB-A4 20		34.4058	-119.6648	18.0	55.0	5.5	91.5	250.0
SB77 0		34.4075	-119.8295	9.4	86.0	40.5	105.5	172.5
SB77 5		34.4075	-119.8295	9.4	23.1	3.0	29.6	111.8
SB149 0		34.4091	-119.5832	10.7	95.6	19.5	118.5	277.2
SB80 0		34.4101	-119.8212	9.1	66.1	16.6	86.6	167.8
SB80 5		34.4101	-119.8212	9.1	48.4	8.4	72.0	135.0
SB128 0		34.4123	-119.6587	11.6	47.8	7.6	69.0	175.1
SB128 5		34.4123	-119.6587	11.6	59.9	9.0	82.9	211.5
SB128 10		34.4123	-119.6587	11.6	99.3	27.1	125.7	292.4
SB-A5 0		34.4128	-119.6644	9.1	54.9	8.1	78.5	237.8
SB-A5 5		34.4128	-119.6644	9.1	84.4	9.6	150.1	302.2