

Table S1: Grain size distribution of the surface and core samples

	<63 (%)	63-125 (%)	>125 (%)
surface samples			
021207-11A	2.36	1.12	96.52
021207-12A	0.54	1.69	97.76
021207-14A	1.42	1.50	97.08
021207-16A	32.27	18.74	48.98
031207-21A	39.90	19.69	40.41
031207-22A	31.81	19.51	48.68
031207-26A	9.48	10.62	79.90
031207-27A	2.14	3.86	94.00
031207-29A	3.29	1.85	94.86
051207-33A	1.39	0.24	98.37
051207-35A	2.62	0.49	96.89
051207-38A	1.78	0.48	97.74
051207-40A	1.84	0.43	97.73
051207-42A	1.34	0.33	98.34
081207-75A	2.04	0.56	97.39
061208-01A	2.17	31.74	66.08
061208-05A	83.87	11.55	4.58
061208-06II-B2	2.04	13.25	84.71
061208-11A	93.66	2.95	3.38
061208-12B	1.12	0.65	98.23
061208-13A	0.36	1.17	98.47
061208-15B	67.92	16.52	15.56
061208-16A	0.69	3.33	95.98
061208-19B	26.21	1.98	71.81
030310-21A	32.59	4.26	63.15
Core 030310-C3			
5-6 cm	98.32	0.43	1.25
29-30 cm	27.19	0.28	72.53
33-34 cm	88.21	8.02	3.77
42-43 cm	61.43	12.49	26.08
52-53 cm	31.22	40.74	28.04
69-70 cm	39.93	6.80	53.26
73-74 cm	97.31	1.04	1.65
82-83 cm	37.73	14.72	47.56
86-87 cm	98.27	1.07	0.66
Core 050310-C4			
3-4 cm	73.41	10.45	16.14
12-13 cm	53.33	7.83	38.84
15-16 cm	62.92	8.71	28.37
22-23 cm	32.74	6.28	60.98
35-36 cm	87.92	3.03	9.05
43-44 cm	77.47	5.91	16.62
50-51 cm	20.19	6.60	73.21
54-55 cm	27.45	7.54	65.01