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Supplement of

Pliocene to Pleistocene climate and environmental history of Lake El'gygytyn, Far East Russian Arctic, based on high-resolution inorganic geochemistry data

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Supplement Table 1: Core correlation scheme of ICDP site 5011-1

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
1	1A-1H-1	0.00	75.70	1.00	5.66	6.42	
2	1B-1H-1	13.50	79.00	1.00	6.42	7.08	
3	1A-1H-2	58.50	75.50	1.00	7.07	7.25	
4	1B-1H-2	4.30	30.50	1.00	7.25	7.50	
Gap	1B-1H-2	30.50	38.00	1.00	7.50	7.58	Turbidite
5	1B-1H-2	38.00	59.00	1.00	7.58	7.80	
6	1A-1H-3	32.00	77.30	1.00	7.80	8.24	
Gap	1B-1H-3	5.00	50.50	1.00	8.24	8.70	Turbidite
7	1B-1H-3	50.50	98.20	1.00	8.70	9.18	
8	1A-2H-1	54.90	73.50	1.00	9.18	9.36	
Gap	1A-2H-1	73.50	83.70	1.00	9.36	9.46	Turbidite
9	1A-2H-1	83.70	93.00	1.00	9.46	9.56	
10	1A-2H-2	0.00	53.50	1.00	9.56	10.09	
Gap	1A-2H-2	53.50	86.20	1.00	10.09	10.42	Turbidite
11	1B-2H-1	25.70	62.80	1.00	10.42	10.80	
12	1A-2H-3	26.20	71.00	1.00	10.80	11.24	
13	1B-2H-2	14.60	92.90	1.00	11.24	12.04	
14	1A-3H-1	32.50	45.90	1.00	12.04	12.16	
15	1B-2H-3	6.20	68.00	1.00	12.16	12.78	
16	1A-3H-2	17.50	94.80	1.00	12.78	13.56	
17	1B-3H-1	32.90	39.60	1.00	13.56	13.61	
Gap	1B-3H-1	39.60	54.30	1.00	13.61	13.76	Turbidite
18	1A-3H-3	14.80	69.40	1.00	13.76	14.30	
Gap	1A-3H-3	69.40	81.40	1.00	14.30	14.42	Turbidite
19	1B-3H-2	25.50	40.50	1.00	14.42	14.57	
Gap	1B-3H-2	40.50	99.70	1.00	14.57	15.17	Slump
Gap	1B-3H-3	0.30	2.00	1.00	15.17	15.18	Slump
20	1A-4H-1	44.40	81.30	1.00	15.18	15.56	
21	1B-3H-3	39.20	84.00	1.00	15.56	16.00	
22	1A-4H-2	37.40	93.90	1.00	16.00	16.58	
23	1B-4H-1	30.40	73.00	1.00	16.58	16.99	
Gap	1B-4H-1	73.00	84.00	1.00	16.99	17.10	Turbidite
24	1B-4H-1	84.00	94.30	1.00	17.10	17.20	
25	1B-4H-2	0.00	60.00	1.00	17.20	17.80	
Gap	1B-4H-2	60.00	65.20	1.00	17.80	17.86	Turbidite
26	1B-4H-2	65.20	76.00	1.00	17.86	17.98	
27	1A-5H-1	11.40	89.80	1.00	17.98	18.76	
28	1B-4H-3	55.90	83.30	1.00	18.76	19.04	
29	1A-5H-2	24.30	91.30	1.00	19.04	19.70	
30	1B-5H-1	35.60	76.70	1.00	19.70	20.10	
Gap	1B-5H-1	76.70	88.40	1.00	20.10	20.22	Turbidite
31	1A-5H-3	43.30	91.80	1.00	20.22	20.72	
32	1B-5H-2	43.50	86.00	1.00	20.72	21.14	
33	1A-6H-1	26.10	44.40	1.00	21.14	21.31	
Gap	1A-6H-1	44.40	59.70	1.00	21.31	21.47	Turbidite
34	1B-5H-3	20.40	78.80	1.00	21.47	22.05	
Gap	1B-5H-3	78.80	89.60	1.00	22.05	22.16	Turbidite
35	1A-6H-2	36.70	69.20	1.00	22.16	22.48	
Gap	1A-6H-2	69.20	74.70	1.00	22.48	22.54	Turbidite
36	1B-6H-1	15.70	69.40	1.00	22.54	23.08	
37	1A-6H-3	26.70	62.50	1.00	23.08	23.43	
Gap	1A-6H-3	62.50	68.90	1.00	23.43	23.50	Turbidite
38	1B-6H-2	15.50	88.80	1.00	23.50	24.24	
39	1A-7H-1	27.20	39.20	1.00	24.24	24.35	
Gap	1A-7H-1	39.20	52.20	1.00	24.35	24.48	Turbidite
40	1A-7H-1	52.20	84.40	1.00	24.48	24.82	
41	1B-6H-3	45.00	66.80	1.00	24.82	25.02	
Gap	1B-6H-3	66.80	86.00	1.00	25.02	25.21	Turbidite
42	1A-7H-2	32.30	79.60	1.00	25.21	25.69	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
43	1B-7H-1	5.40	77.60	1.00	25.69	26.41	
	<i>Gap</i>						
	1B-7H-1	77.60	85.20	1.00	26.41	26.48	<i>Turbidite</i>
44	1A-7H-3	60.40	95.60	1.00	26.48	26.84	
45	1B-7H-2	27.90	62.30	1.00	26.84	27.18	
	<i>Gap</i>						
	1B-7H-2	62.30	72.00	1.00	27.18	27.28	<i>Turbidite</i>
46	1A-8H-1	29.20	73.20	1.00	27.28	27.72	
47	1B-7H-3	16.40	63.40	1.00	27.72	28.19	
	<i>Gap</i>						
	1B-7H-3	63.40	66.70	1.00	28.19	28.22	<i>Turbidite</i>
	<i>Gap</i>						
	1A-8H-2	29.50	34.70	1.00	28.22	28.27	<i>Turbidite</i>
48	1A-8H-2	34.70	86.50	1.00	28.27	28.79	
	<i>Gap</i>						
	1B-8H-1	8.50	28.20	1.00	28.79	28.99	<i>Diamicton</i>
49	1B-8H-1	28.20	48.50	1.00	28.99	29.19	
	<i>Gap</i>						
	1B-8H-1	48.50	61.10	1.00	29.19	29.32	<i>Diamicton</i>
50	1B-8H-1	61.10	79.80	1.00	29.32	29.50	
	<i>Gap</i>						
	1B-8H-1	79.80	87.30	1.00	29.50	29.58	<i>Diamicton</i>
51	1B-8H-1	87.30	93.70	1.00	29.58	29.64	
52	1B-8H-2	0.00	48.50	1.00	29.64	30.13	
	<i>Gap</i>						
	1B-8H-2	48.50	83.50	1.00	30.13	30.48	<i>Turbidite</i>
53	1A-9H-1	34.60	60.00	1.00	30.48	30.73	
	<i>Gap</i>						
	1A-9H-1	60.00	66.00	1.00	30.73	30.79	<i>Turbidite</i>
54	1B-8H-3	15.40	58.30	1.00	30.79	31.22	
	<i>Gap</i>						
	1B-8H-3	58.30	66.10	1.00	31.22	31.30	<i>Turbidite</i>
55	1A-9H-2	24.70	96.70	1.00	31.30	32.02	
56	1B-9H-1	22.70	39.30	1.00	32.02	32.20	
57	1A-9H-3	11.80	44.30	1.00	32.18	32.51	
	<i>Gap</i>						
	1A-9H-3	44.30	93.70	1.00	32.51	33.00	<i>Turbidite</i>
58	1B-9H-2	24.20	56.00	1.00	33.00	33.32	
	<i>Gap</i>						
	1B-9H-2	56.00	63.20	1.00	33.32	33.39	<i>Turbidite</i>
61	1A-10H-1	25.00	38.30	1.00	33.39	33.53	
	<i>Gap</i>						
	1A-10H-1	38.30	46.00	1.00	33.53	33.60	<i>Turbidite</i>
62	1A-10H-1	46.00	94.70	1.00	33.60	34.09	
64	1A-10H-2	0.30	98.30	1.00	34.09	35.09	
65	1B-10H-1	25.00	73.60	1.00	35.09	35.57	
66	1A-10H-3	46.40	84.30	1.00	35.57	35.93	
	<i>Gap</i>						
	1A-10H-3	84.30	93.30	1.00	35.93	36.02	<i>Turbidite</i>
67	1B-10H-2	25.60	64.30	1.00	36.02	36.41	
	<i>Gap</i>						
	1B-10H-2	64.30	69.90	1.00	36.41	36.47	<i>Tephra</i>
68	1A-11H-1	27.90	88.70	1.00	36.47	37.09	
69	1B-10H-3	29.60	36.30	1.00	37.09	37.14	
	<i>Gap</i>						
	1B-10H-3	36.30	68.00	1.00	37.14	37.46	<i>Turbidite</i>
	<i>Gap</i>						
	1B-10H-3	68.00	99.80	1.00	37.46	37.78	<i>Diamicton</i>
	<i>Gap</i>						
	1B-11H-1	0.00	76.70	1.00	37.78	38.56	<i>Duplicated section</i>
	<i>Gap</i>						
	1A-11H-3	33.60	67.40	1.00	38.56	38.88	<i>Duplicated section</i>
	<i>Gap</i>						
	1A-11H-3	67.40	88.50	1.00	38.88	39.09	<i>Duplicated section</i>
72	1B-11H-2	38.50	94.30	1.00	39.09	39.65	
73	1A-12H-1	42.70	65.00	1.00	39.65	39.89	
74	1B-11H-3	16.00	50.20	1.00	39.89	40.22	
	<i>Gap</i>						
	1B-11H-3	50.20	70.30	1.00	40.22	40.42	<i>Turbidite</i>
75	1B-11H-3	70.30	74.40	1.00	40.42	40.46	
	<i>Gap</i>						
	1B-11H-3	74.40	85.90	1.00	40.46	40.57	<i>Diamicton</i>
76	1B-11H-3	85.90	94.80	1.00	40.57	40.67	
77	1A-12H-2	48.50	74.70	1.00	40.67	40.93	
78	1B-12H-1	13.80	75.00	1.00	40.93	41.55	
79	1A-12H-3	36.00	67.20	1.00	41.55	41.85	
	<i>Gap</i>						
	1A-12H-3	67.20	77.90	1.00	41.85	41.96	<i>Turbidite</i>
80	1B-12H-2	27.10	82.80	1.00	41.96	42.52	
81	1A-13H-1	19.70	40.90	1.00	42.52	42.72	
	<i>Gap</i>						
	1A-13H-1	40.90	60.40	1.00	42.72	42.92	<i>Turbidite</i>
82	1B-12H-3	19.90	88.00	1.00	42.92	43.62	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
83	1A-13H-2	32.10	93.20	1.00	43.62	44.22	
84	1B-13H-1	33.30	74.30	1.00	44.22	44.62	
Gap	1B-13H-1	74.30	90.30	1.00	44.62	44.78	Turbidite
85	1A-13H-3	49.60	56.40	1.00	44.78	44.85	
Gap	1A-13H-3	56.40	62.70	1.00	44.85	44.91	Turbidite
86	1A-13H-3	62.70	77.90	1.00	44.91	45.07	
87	1B-13H-2	27.80	69.60	1.00	45.07	45.48	
Gap	1B-13H-2	69.60	78.60	1.00	45.48	45.57	Turbidite
88	1A-14H-1	11.60	15.00	1.00	45.57	45.61	
Gap	1A-14H-1	15.00	26.30	1.00	45.61	45.72	Turbidite
89	1A-14H-1	26.30	81.90	1.00	45.72	46.28	
90	1B-13H-3	46.30	62.50	1.00	46.28	46.44	
Gap	1B-13H-3	62.50	69.70	1.00	46.44	46.51	Turbidite
91	1B-13H-3	69.70	88.40	1.00	46.51	46.70	
Gap	1B-13H-3	88.40	94.80	1.00	46.70	46.76	Turbidite
92	1A-14H-2	37.10	99.20	1.00	46.76	47.40	
93	1B-14H-1	38.30	53.00	1.00	47.40	47.54	
94	1A-14H-3	13.10	57.00	1.00	47.54	47.97	
Gap	1A-14H-3	57.00	62.00	1.00	47.97	48.02	Turbidite
95	1A-14H-3	62.00	94.40	1.00	48.02	48.34	
Gap	1B-14H-2	47.40	62.90	1.00	48.34	48.50	Slump
Gap	1A-15H-1	2.40	57.00	1.00	48.50	49.04	Slump
Gap	1A-15H-1	57.00	84.10	1.00	49.04	49.31	Slump
Gap	1A-15H-1	84.10	92.10	1.00	49.31	49.39	Slump
Gap	1A-15H-2	0.60	59.70	1.00	49.39	49.98	Slump
Gap	1B-15H-1	0.20	87.70	1.00	49.98	50.86	Slump
Gap	1B-15H-1	87.70	90.50	1.00	50.86	50.89	Slump
98	1B-15H-2	0.20	95.50	1.00	50.89	51.84	
99	1A-16H-1	30.30	74.20	1.00	51.84	52.28	
100	1B-15H-3	35.80	97.00	1.00	52.28	52.92	
101	1A-16H-2	43.60	53.40	1.00	52.92	52.99	
Gap	1A-16H-2	53.40	74.50	1.00	52.99	53.20	Turbidite
102	1B-16H-1	9.90	53.60	1.00	53.20	53.64	
Gap	1B-16H-1	53.60	78.80	1.00	53.64	53.89	Turbidite
103	1A-16H-3	41.60	49.50	1.00	53.89	53.97	
Gap	1A-16H-3	49.50	63.70	1.00	53.97	54.11	Turbidite
104	1A-16H-3	63.70	84.40	1.00	54.11	54.33	
105	1B-16H-2	31.60	83.20	1.00	54.33	54.83	
106	1A-17H-1	22.60	75.90	1.00	54.83	55.37	
Gap	1A-17H-1	75.90	80.50	1.00	55.37	55.41	Turbidite
107	1B-16H-3	40.90	87.10	1.00	55.41	55.87	
108	1A-17H-2	34.60	81.80	1.00	55.87	56.35	
109	1B-17H-1	19.60	78.50	1.00	56.35	56.93	
110	1A-17H-3	38.40	57.70	1.00	56.93	57.13	
Gap	1A-17H-3	57.70	64.20	1.00	57.13	57.19	Turbidite
111	1B-17H-2	9.70	32.90	1.00	57.19	57.43	
Gap	1B-17H-2	32.90	79.00	1.00	57.43	57.89	Turbidite
112	1A-18H-1	20.10	52.00	1.00	57.89	58.21	
Gap	1A-18H-1	52.00	65.30	1.00	58.21	58.34	Turbidite
113	1A-18H-1	65.30	85.80	1.00	58.34	58.54	
114	1B-17H-3	47.10	101.00	1.00	58.54	59.08	
Gap	1B-17H-CC	0.00	10.50	1.00	59.08	59.19	CC
115	1B-18H-1	0.50	13.90	1.00	59.19	59.32	
Gap	1B-18H-1	13.90	20.00	1.00	59.32	59.38	Turbidite
Gap	1B-18H-1	20.00	91.80	1.00	59.38	60.10	Slump
Gap	1B-18H-2	0.60	101.70	1.00	60.10	61.11	Slump
118	1B-18H-3	0.40	59.00	1.00	61.11	61.71	
119	1A-19H-2	37.20	71.20	1.00	61.71	62.04	
Gap	1B-19H-1	5.30	9.50	1.00	62.04	62.08	Tephra

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
120	1B-19H-1	9.50	64.00	1.00	62.08	62.62	
Gap	1A-19H-3	27.10	71.40	1.00	62.62	63.07	Turbidite
121	1A-19H-3	71.40	84.50	1.00	63.07	63.20	
Gap	1A-19H-3	84.50	90.10	1.00	63.20	63.25	Turbidite
122	1B-19H-2	35.40	46.40	1.00	63.25	63.36	
Gap	1B-19H-2	46.40	54.90	1.00	63.36	63.45	Turbidite
123	1B-19H-2	54.90	68.90	1.00	63.45	63.59	
Gap	1B-19H-2	68.90	74.50	1.00	63.59	63.65	Turbidite
124	1A-20H-1	12.70	62.70	1.00	63.65	64.15	
Gap	1B-19H-3	25.50	53.20	1.00	64.15	64.42	Turbidite
125	1B-19H-3	53.20	71.70	1.00	64.42	64.61	
Gap	1A-20H-2	16.90	24.00	1.00	64.61	64.68	Turbidite
126	1A-20H-2	24.00	90.90	1.00	64.68	65.36	
127	1B-20H-1	29.90	50.70	1.00	65.36	65.56	
Gap	1B-20H-1	50.70	75.50	1.00	65.56	65.80	Turbidite
128	1A-20H-3	32.60	93.90	1.00	65.80	66.42	
129	1B-20H-2	42.20	92.00	1.00	66.42	66.92	
130	1A-21H-1	34.10	37.20	1.00	66.92	66.95	
Gap	1A-21H-1	37.20	43.70	1.00	66.95	67.01	Turbidite
131	1A-21H-1	43.70	77.50	1.00	67.01	67.35	
Gap	1A-21H-1	77.50	84.10	1.00	67.35	67.41	Turbidite
Gap	1B-20H-3	42.40	56.00	1.00	67.41	67.55	Turbidite
132	1B-20H-3	56.00	98.00	1.00	67.55	67.97	
133	1A-21H-2	49.00	90.60	1.00	67.97	68.39	
Gap	1A-21H-2	90.60	99.90	1.00	68.39	68.48	Turbidite
134	1A-21H-2	99.90	101.20	1.00	68.48	68.49	
135	1A-21H-3	0.10	16.40	1.00	68.49	68.72	
136	1B-21H-2	7.80	82.90	0.88	68.66	69.32	
137	1A-21H-3	55.60	83.10	1.00	69.32	69.60	
138	1B-21H-2	82.90	101.70	0.88	69.60	69.76	
139	1B-21H-3	0.50	38.10	0.88	69.76	70.09	
140	1A-22H-1	9.50	44.60	1.00	70.09	70.45	
141	1B-21H-3	50.70	87.40	0.88	70.45	70.76	
Gap	1B-21H-3	87.40	93.50	0.88	70.76	70.82	Turbidite
Gap	1A-22H-2	30.80	57.10	1.00	70.82	71.08	Turbidite
Gap	1B-22H-1	0.70	8.50	1.00	71.08	71.16	Turbidite
142	1B-22H-1	8.50	50.60	1.00	71.16	71.58	
Gap	1B-22H-1	50.60	82.30	1.00	71.58	71.89	Turbidite
143	1B-22H-1	82.30	91.60	1.00	71.89	71.99	
144	1B-22H-2	0.30	95.30	1.00	71.99	72.94	
145	1A-23H-1	1.90	84.80	1.00	72.94	73.78	
146	1B-22H-3	91.40	99.20	1.00	73.78	73.84	
Gap	1B-22H-3	99.20	101.60	1.00	73.84	73.87	Slump
Gap	1B-22H-CC	0.00	6.00	1.00	73.87	73.93	Slump
Gap	1B-23H-1	0.40	56.40	1.00	73.93	74.49	Slump
147	1B-24H-1	0.20	4.30	1.00	74.73	74.77	
Gap	1B-24H-1	4.30	21.10	1.00	74.77	74.94	Turbidite
148	1B-24H-1	21.10	43.10	1.00	74.94	75.16	
Gap	1B-24H-1	43.10	61.90	1.00	75.16	75.35	Turbidite
149	1B-24H-1	61.90	91.80	1.00	75.35	75.64	
150	1B-24H-2	0.00	9.90	1.00	75.64	75.74	
Gap	1B-24H-2	9.90	43.50	1.00	75.74	76.08	Turbidite
151	1A-24H-1	12.00	72.00	1.00	76.08	76.68	
152	1B-24H-3	5.90	31.40	1.00	76.68	76.93	
Gap	1B-24H-3	31.40	38.90	1.00	76.93	77.01	Turbidite
153	1B-24H-3	38.90	60.50	1.00	77.01	77.23	
Gap	1A-24H-2	32.60	68.10	1.00	77.23	77.58	Turbidite
153	1A-24H-2	68.10	93.10	1.00	77.58	77.84	
154	1B-25H-1	5.80	39.20	1.00	77.84	78.16	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
Gap	1B-25H-1	39.20	83.50	1.00	78.16	78.61	Turbidite
155	1A-24H-3	65.70	91.50	1.00	78.61	78.87	
156	1B-25H-2	18.60	77.60	1.00	78.87	79.61	
157	1A-25H-1	41.70	83.40	1.00	79.46	79.87	
Gap	1B-25H-3	19.80	30.50	1.00	79.87	79.98	Turbidite
158	1B-25H-3	30.50	61.20	1.00	79.98	80.29	
Gap	1B-25H-3	61.20	63.90	1.00	80.29	80.31	Turbidite
Gap	1A-25H-2	35.40	39.20	1.00	80.31	80.35	Turbidite
159	1A-25H-2	39.20	62.20	1.00	80.35	80.58	
Gap	1A-25H-2	62.20	69.30	1.00	80.58	80.65	Turbidite
160	1A-25H-2	69.30	98.50	1.00	80.65	80.95	
161	1B-26H-1	10.60	58.30	1.00	80.95	81.42	
Gap	1B-26H-1	58.30	63.60	1.00	81.42	81.47	Turbidite
162	1B-26H-1	63.60	79.00	1.00	81.47	81.63	
163	1A-25H-3	64.30	77.60	1.00	81.63	81.76	
Gap	1A-25H-3	77.60	86.70	1.00	81.76	81.85	Turbidite
164	1A-25H-3	86.70	93.70	1.00	81.85	81.93	
165	1B-26H-2	14.00	44.70	1.00	81.93	82.23	
166	1A-26H-1	9.20	77.00	1.00	82.23	82.91	
167	1B-26H-3	11.70	63.60	1.00	82.91	83.43	
Gap	1B-26H-3	63.60	70.50	1.00	83.43	83.50	Turbidite
168	1A-26H-2	43.10	100.60	1.00	83.50	84.07	
169	1A-26H-3	0.20	3.60	1.00	84.07	84.10	
Gap	1A-26H-3	3.60	12.60	1.00	84.10	84.19	Turbidite
170	1A-26H-3	12.60	55.70	1.00	84.19	84.63	
Gap	1A-26H-3	55.70	74.50	1.00	84.63	84.81	Turbidite
171	1B-27H-2	38.20	75.50	1.00	84.81	85.19	
Gap	1A-27H-1	7.60	44.40	1.00	85.19	85.55	Turbidite
Gap	1A-27H-2	0.40	45.20	1.00	85.55	86.00	Turbidite
Gap	1A-27H-3	0.30	91.60	1.00	86.00	86.92	Turbidite
Gap	1A-27H-CC	0.00	119.30	1.00	86.92	88.11	Slump
Gap	1A-28H-1	0.50	42.70	1.00	88.11	88.53	Slump
172	1A-28H-1	42.70	92.90	1.00	88.53	89.03	
173	1A-28H-2	0.20	71.50	1.00	89.03	89.75	
Gap	1A-28H-2	71.50	81.20	1.00	89.75	89.84	Turbidite
Gap	1B-29H-2	9.40	77.10	1.00	89.84	90.52	Slump
174	1B-29H-2	77.10	100.10	1.00	90.52	90.75	
175	1B-29H-3	0.30	29.00	1.00	90.75	91.04	
Gap	1A-29H-1	21.30	36.30	1.00	91.04	91.19	Turbidite
176	1A-29H-1	36.30	45.00	1.00	91.19	91.27	
Gap	1A-29H-1	45.00	86.30	1.00	91.27	91.69	Slump
Gap	1A-29H-2	0.40	13.10	1.00	91.69	91.81	Slump
179	1A-29H-2	13.10	78.70	1.00	91.73	92.47	
180	1B-30H-2	23.20	44.20	1.00	92.47	92.68	
Gap	1B-30H-2	44.20	52.90	1.00	92.68	92.77	Turbidite
181	1A-29H-3	8.90	69.80	1.00	92.77	93.38	
Gap	1A-29H-3	69.80	76.40	1.00	93.38	93.44	Turbidite
Gap	1B-30H-3	16.80	81.40	1.00	93.44	94.09	Slump
182	1B-30H-3	81.40	100.10	1.00	94.09	94.27	
183	1B-31H-1	0.40	2.70	1.00	94.27	94.30	
Gap	1B-31H-1	2.70	23.30	1.00	94.30	94.50	Turbidite
184	1B-31H-1	23.30	26.20	1.00	94.50	94.53	
Gap	1B-31H-1	26.20	53.30	1.00	94.53	94.80	Diamicton
185	1B-31H-1	53.30	87.20	1.00	94.80	95.14	
Gap	1A-30H-2	47.80	100.50	1.00	95.14	95.67	Turbidite
Gap	1A-30H-3	0.30	11.30	1.00	95.67	95.78	Turbidite
186	1A-30H-3	11.30	85.60	1.00	95.78	96.52	
187	1B-32H-1	0.30	26.50	1.00	96.52	96.78	
Gap	1B-32H-1	26.50	39.20	1.00	96.78	96.91	Slump

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
Gap	1B-32H-1	39.20	45.70	1.00	96.91	96.98	Slump
Gap	1B-32H-1	45.70	96.70	1.00	96.98	97.49	Slump
Gap	1B-32H-1	96.70	97.30	1.00	97.49	97.49	Slump
Gap	1B-32H-2	0.60	99.70	1.00	97.49	98.48	Slump
Gap	1B-32H-CC	0.00	9.30	1.00	98.48	98.58	Slump
Gap	1B-33H-1	0.20	96.80	1.00	98.58	99.54	Slump
Gap	1B-33H-2	0.10	4.20	1.00	99.54	99.58	Slump
188	1B-33H-2	4.20	17.60	1.00	99.58	99.72	
Gap	1B-33H-2	17.60	24.50	1.00	99.72	99.79	Turbidite
189	1B-33H-2	24.50	76.10	1.00	99.79	100.31	
190	1A-32H-1	24.30	34.40	1.00	100.31	100.40	
Gap	1A-32H-1	34.40	42.60	1.00	100.40	100.49	Turbidite
191	1A-32H-1	42.60	73.20	1.00	100.49	100.79	
192	1A-32H-2	0.30	12.60	1.00	100.79	100.91	
193	1B-34H-1	19.40	55.40	1.00	100.91	101.27	
Gap	1B-34H-1	55.40	76.11	1.00	101.27	101.48	Turbidite
194	1B-34H-1	76.10	97.40	1.00	101.48	101.69	
195	1B-34H-2	0.20	72.50	1.00	101.69	102.42	
Gap	1A-33H-3	20.20	31.40	1.00	102.42	102.53	Turbidite
196	1A-33H-3	31.40	71.80	1.00	102.53	102.93	
Gap	1B-35H-1	10.20	25.20	1.00	102.93	103.08	Turbidite
197	1B-35H-1	25.20	64.00	1.00	103.08	103.47	
Gap	1B-35H-1	64.00	74.30	1.00	103.47	103.57	Turbidite
198	1B-35H-1	74.30	94.30	1.00	103.57	103.77	
199	1B-35H-2	0.50	99.60	1.00	103.77	104.77	
200	1C-5A-1	27.20	43.30	1.00	104.77	104.93	
Gap	1B-36H-1	5.50	12.90	1.00	104.93	105.00	Tephra
201	1B-36H-1	12.90	96.00	1.00	105.00	105.83	
202	1B-36H-2	0.20	48.50	1.00	105.83	106.31	
Gap	1B-36H-2	48.50	99.60	1.00	106.31	106.83	Slump
Gap	1B-36H-CC	0.00	11.50	1.00	106.83	106.94	Slump
203	1B-37H-1	0.30	13.00	1.00	106.94	107.07	
204	1B-37H-2	0.60	67.50	1.00	107.07	107.74	
Gap	1B-37H-2	67.50	72.50	1.00	107.74	107.79	Turbidite
205	1B-37H-3	0.30	67.80	1.00	107.79	108.46	
Gap	1B-37H-3	67.80	72.80	1.00	108.46	108.51	Turbidite
206	1B-37H-4	0.40	22.30	1.00	108.51	108.73	
Gap	1B-37H-CC	0.00	12.30	1.00	108.73	108.85	Slump
Gap	1A-36E-1	0.20	14.60	1.00	108.85	109.00	Slump
Gap	1A-36E-2	0.50	66.00	1.00	109.00	109.65	Slump
207	1A-36E-2	66.00	101.10	1.00	109.65	110.00	
208	1A-36E-3	0.10	101.70	1.00	110.00	111.02	
209	1B-39A-1	0.60	20.70	1.00	111.02	111.22	
210	1B-39A-2	0.50	13.00	1.00	111.22	111.35	
211	1B-39A-3	0.90	11.20	1.00	111.35	111.45	
212	1C-9A-1	0.70	56.30	1.00	111.45	112.00	
Gap	1C-9A-1	56.30	67.90	1.00	112.00	112.12	Diamicton
213	1C-9A-1	67.90	81.70	1.00	112.12	112.26	
Gap	1C-9A-1	81.70	92.30	1.00	112.26	112.36	Turbidite
214	1A-38E-2	8.00	37.80	0.87	112.36	112.63	
215	1B-40E-2	66.00	100.30	0.72	112.63	112.87	
216	1B-40E-3	0.90	75.20	0.72	112.87	113.41	
Gap	1A-38E-3	32.70	63.50	0.87	113.41	113.68	Turbidite
Gap	1A-38E-3	63.50	100.50	0.87	113.68	114.00	Slump
Gap	1A-38E-4	1.00	100.80	0.87	114.00	114.88	Slump
Gap	1C-10A-2	0.70	90.80	1.00	114.88	115.78	Slump
217	1C-10A-2	90.80	100.70	1.00	115.78	115.88	
Gap	1C-10A-3	0.20	5.80	1.00	115.88	115.93	Turbidite
218	1C-10A-3	5.80	68.40	1.00	115.93	116.56	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
Gap	1C-10A-3	68.40	75.30	1.00	116.56	116.63	Turbidite
219	1C-10A-3	75.30	100.50	1.00	116.63	116.88	
Gap	1C-10A-CC	0.00	14.00	1.00	116.88	117.02	CC
Gap	1C-11A-1	0.30	3.00	1.00	117.02	117.05	Slump
220	1C-11A-1	3.00	47.80	1.00	117.05	117.51	
221	1A-40E-1	28.50	37.10	0.77	117.50	117.56	
Gap	1A-40E-CC	0.00	9.90	0.77	117.56	117.64	CC
Gap	1A-41E-1	0.60	2.20	0.87	117.64	117.65	Diamicton
222	1A-41E-1	2.20	32.20	0.87	117.65	117.91	
223	1A-41E-2	0.70	99.90	0.87	117.91	118.78	
224	1A-41E-3	0.40	32.80	0.87	118.78	119.06	
Gap	1A-41E-3	32.80	45.80	0.87	119.06	119.18	Turbidite
225	1A-41E-3	45.80	78.00	0.87	119.18	119.46	
Gap	1A-41E-3	78.00	88.50	0.87	119.46	119.55	Turbidite
226	1A-41E-3	88.50	99.40	0.87	119.55	119.65	
Gap	1A-41E-4	0.50	21.50	0.87	119.65	119.83	Turbidite
Gap	1A-41E-4	21.50	40.00	0.87	119.83	119.99	Slump
227	1A-41E-4	40.00	67.00	0.87	119.99	120.23	
Gap	1A-41E-4	67.00	100.10	0.87	120.23	120.52	Slump
Gap	1A-41E-CC	0.00	11.00	0.87	120.52	120.61	CC
Gap	1A-42E-1	0.40	18.50	0.87	120.61	120.77	Diamicton
228	1C-12A-2	57.20	94.60	1.00	120.77	121.14	
Gap	1C-12A-2	94.60	101.30	1.00	121.14	121.21	Diamicton
Gap	1C-12A-3	0.50	35.80	1.00	121.21	121.56	Diamicton
229	1C-12A-3	35.80	83.40	1.00	121.56	122.04	
Gap	1A-42E-3	21.10	34.60	0.87	122.04	122.16	Turbidite
230	1A-42E-3	34.60	99.80	0.87	122.16	122.72	
231	1A-42E-4	0.50	15.60	0.87	122.72	122.85	
Gap	1A-42E-4	15.60	27.30	0.87	122.85	122.95	Turbidite
232	1A-42E-4	27.30	100.30	0.87	122.95	123.59	
Gap	1A-42E-CC	0.00	11.00	0.87	123.59	123.68	CC
233	1A-43E-1	0.50	28.10	0.89	123.68	123.93	
234	1A-43E-2	0.10	24.90	0.89	123.93	124.15	
Gap	1A-43E-2	24.90	34.20	0.89	124.15	124.23	Turbidite
235	1A-43E-2	34.20	100.00	0.89	124.23	124.82	
236	1A-43E-3	0.30	56.20	0.89	124.82	125.32	
237	1C-14A-1	15.40	66.90	1.00	125.32	125.84	
238	1A-43E-4	14.60	75.40	0.89	125.84	126.38	
Gap	1C-14A-2	48.60	53.70	1.00	126.38	126.43	Turbidite
239	1C-14A-2	53.70	84.90	1.00	126.43	126.74	
Gap	1A-44E-1	11.80	17.40	0.87	126.74	126.79	Turbidite
240	1A-44E-1	17.40	33.70	0.87	126.79	126.94	
241	1A-44E-2	0.10	52.60	0.87	126.94	127.39	
Gap	1A-44E-2	52.60	63.40	0.87	127.39	127.49	Turbidite
242	1A-44E-2	63.40	86.30	0.87	127.49	127.69	
Gap	1A-44E-2	86.30	99.80	0.87	127.69	127.80	Turbidite
Gap	1A-44E-3	0.40	36.90	0.87	127.80	128.12	Turbidite
243	1A-44E-3	36.90	99.80	0.87	128.12	128.67	
244	1A-44E-4	0.10	17.20	0.87	128.67	128.82	
Gap	1A-44E-4	17.20	42.30	0.87	128.82	129.04	Turbidite
243	1A-44E-4	42.30	95.00	0.87	129.04	129.50	
Gap	1A-44E-4	95.00	99.50	0.87	129.50	129.54	Slump
Gap	1A-44E-CC	0.00	11.20	0.87	129.54	129.63	Slump
246	1A-45E-1	0.50	2.90	0.89	129.63	129.65	
Gap	1A-45E-1	2.90	8.30	0.89	129.65	129.70	Slump
Gap	1A-45E-1	8.30	17.70	0.89	129.70	129.79	Slump
247	1A-45E-1	17.70	27.60	0.89	129.79	129.87	
248	1A-45E-2	0.50	45.30	0.89	129.87	130.27	
Gap	1A-45E-2	45.30	52.10	0.89	130.27	130.33	Turbidite

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
249	1A-45E-2	52.10	100.20	0.89	130.33	130.76	
250	1A-45E-3	0.40	40.70	0.89	130.76	131.12	
Gap	1A-45E-3	40.70	48.60	0.89	131.12	131.19	Turbidite
251	1A-45E-3	48.60	69.00	0.89	131.19	131.36	
252	1C-16A-2	4.30	34.90	0.87	131.36	131.64	
253	1A-45E-4	3.00	81.90	0.89	131.63	132.33	
Gap	1C-16A-3	10.10	15.90	0.87	132.33	132.38	Turbidite
254	1C-16A-3	15.90	45.00	0.87	132.38	132.63	
Gap	1C-16A-3	45.00	58.90	0.87	132.63	132.76	Turbidite
255	1C-16A-3	58.90	87.40	0.87	132.76	133.00	
256	1A-46E-2	4.80	65.20	0.88	133.00	133.53	
Gap	1A-46E-2	65.20	99.80	0.88	133.53	133.84	Turbidite
257	1A-46E-3	0.20	8.30	0.88	133.84	133.91	
Gap	1A-46E-3	8.30	99.80	0.88	133.91	134.71	Diamicton
Gap	1A-46E-4	0.40	50.60	0.88	134.71	135.15	Diamicton
258	1A-46E-4	50.60	99.80	0.88	135.15	135.59	
Gap	1A-46E-CC	0.00	9.90	0.88	135.59	135.67	CC
259	1A-47E-1	0.30	28.40	0.84	135.67	135.91	
Gap	1A-47E-1	28.40	37.50	0.84	135.91	135.98	Turbidite
260	1A-47E-1	37.50	97.90	0.84	135.98	136.49	
Gap	1A-47E-2	0.60	6.70	0.84	136.49	136.54	Turbidite
261	1A-47E-2	6.70	14.90	0.84	136.54	136.61	
Gap	1C-18A-2	36.50	69.40	0.60	136.61	136.81	Turbidite
262	1C-18A-2	69.40	99.00	0.60	136.81	136.99	
263	1C-18A-3	0.20	36.80	0.60	136.99	137.21	
Gap	1A-47E-3	2.50	13.80	0.84	137.21	137.31	Turbidite
264	1A-47E-3	13.80	25.40	0.84	137.31	137.40	
Gap	1A-47E-3	25.40	33.80	0.84	137.40	137.47	Slump
265	1A-47E-3	33.80	95.90	0.84	137.47	138.00	
Gap	1A-47E-CC	0.00	6.40	0.84	138.00	138.05	CC
266	1A-48E-1	0.70	54.30	1.00	138.05	138.59	
Gap	1A-48E-1	54.30	59.90	1.00	138.59	138.64	
Gap	1C-20A-1	1.10	30.80	1.00	140.68	140.98	Slump
Gap	1C-20A-2	0.40	8.90	1.00	140.98	141.06	Slump
267	1C-20A-2	8.90	45.60	1.00	141.06	141.44	
268	1A-49E-1	48.80	58.10	0.79	141.44	141.50	
Gap	1A-49E-1	58.10	74.90	0.79	141.50	141.64	Turbidite
269	1A-49E-1	74.90	97.20	0.79	141.64	141.81	
Gap	1A-49E-1	97.20	102.20	0.79	141.81	141.85	Turbidite
Gap	1A-49E-2	0.60	46.80	0.79	141.85	142.22	Turbidite
271	1A-49E-2	46.80	101.10	0.79	142.22	142.65	
272	1A-49E-3	0.20	72.10	0.79	142.65	143.21	
Gap	1A-49E-3	72.10	100.30	0.79	143.21	143.44	Turbidite
Gap	1A-49E-CC	0.00	13.10	0.79	143.44	143.54	CC
Gap	1A-50E-1	0.50	33.40	1.00	143.54	143.87	Slump
273	1A-50E-2	0.70	67.10	1.00	143.87	144.53	
Gap	1A-50E-2	67.10	101.00	1.00	144.53	144.87	Slump
Gap	1A-50E-3	0.10	49.20	1.00	144.87	145.36	Slump
274	1A-50E-3	49.20	83.10	1.00	145.36	145.70	
Gap	1A-50E-3	83.10	100.80	1.00	145.70	145.88	Slump
Gap	1A-51E-1	0.40	90.80	0.81	145.88	146.61	Slump
Gap	1A-51E-2	3.00	100.90	0.81	146.61	147.40	Slump
Gap	1A-51E-3	0.90	100.80	0.81	147.40	148.20	Slump
275	1C-24A-1	0.20	9.40	1.00	149.98	150.07	
Gap	1C-25A-1	0.80	52.00	1.00	152.32	152.84	Slump
Gap	1C-25A-2	0.40	101.30	1.00	152.84	153.85	Slump
Gap	1C-26A-1	0.20	78.40	1.00	154.38	155.16	Slump
Gap	1C-26A-2	0.60	100.70	1.00	155.17	156.17	Slump
Gap	1C-27A-1	1.00	17.50	1.00	156.89	157.05	Slump

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
276	1C-28A-1	0.40	41.70	1.00	159.52	159.94	
277	1C-28A-2	0.60	48.80	1.00	159.95	160.43	
Gap	1C-28A-2	48.80	58.30	1.00	160.43	160.52	Turbidite
278	1C-28A-2	58.30	74.70	1.00	160.52	160.69	
Gap	1C-28A-2	74.70	85.90	1.00	160.69	160.80	Turbidite
279	1C-29A-1	0.80	49.30	1.00	161.08	161.57	
280	1C-30A-1	1.10	31.20	0.70	162.83	163.04	
281	1C-30A-2	1.50	101.60	0.70	163.05	163.75	
Gap	1C-31A-1	0.40	17.20	1.00	163.83	163.99	Coring artefact
282	1C-32A-1	0.50	71.10	1.00	165.58	166.29	
Gap	1C-33A-1	0.70	5.50	1.00	167.08	167.13	Turbidite
283	1C-33A-1	5.50	71.10	1.00	167.13	167.78	
284	1C-34A-1	0.30	9.90	1.00	168.93	169.02	
Gap	1C-34A-1	9.90	23.90	1.00	169.02	169.16	Turbidite
285	1C-34A-1	23.90	31.70	1.00	169.16	169.24	
Gap	1C-34A-1	31.70	92.80	1.00	169.24	169.85	Turbidite
Gap	1C-35A-1	0.00	30.90	1.00	170.21	170.52	Slump
Gap	1C-35A-2	0.10	81.70	1.00	170.52	171.34	Slump
286	1C-36A-1	0.20	24.60	1.00	171.81	172.05	
Gap	1C-36A-1	24.60	32.50	1.00	172.05	172.13	Turbidite
287	1C-36A-1	32.50	76.20	1.00	172.13	172.57	
288	1C-37A-1	1.20	31.50	1.00	172.83	173.14	
Gap	1C-37A-1	31.50	43.20	1.00	173.14	173.25	Turbidite
289	1C-37A-2	0.60	82.60	1.00	173.25	174.07	
290	1C-38A-1	0.50	14.20	1.00	174.77	174.91	
Gap	1C-38A-1	14.20	24.50	1.00	174.91	175.01	Slump
291	1C-38A-1	24.50	40.30	1.00	175.01	175.17	
Gap	1C-39A-CC	0.50	12.50	1.00	176.04	176.16	CC
292	1C-40A-1	1.10	26.20	1.00	177.42	177.67	
Gap	1C-40A-1	26.20	39.60	1.00	177.67	177.81	Slump
Gap	1C-40A-2	0.90	84.10	1.00	177.82	178.65	Slump
Gap	1C-41A-1	1.00	21.90	1.00	179.53	179.74	Slump
Gap	1C-41A-2	0.80	21.90	1.00	179.75	179.96	Slump
293	1C-41A-2	21.90	90.60	1.00	179.96	180.65	
Gap	1C-42A-1	0.80	53.20	1.00	180.72	181.25	Slump
Gap	1C-43A-1	0.40	13.80	1.00	182.42	182.55	Slump
294	1C-44A-1	0.70	32.00	1.00	183.72	184.03	
295	1C-45A-1	0.40	75.50	1.00	184.82	185.57	
Gap	1C-45A-1	75.50	83.80	1.00	185.57	185.65	Turbidite
296	1C-45A-1	83.80	92.10	1.00	185.65	185.74	
Gap	1C-45A-1	92.10	94.90	1.00	185.74	185.76	Turbidite
Gap	1C-46A-1	0.60	27.10	1.00	186.62	186.89	Turbidite
297	1C-46A-1	27.10	33.10	1.00	186.89	186.95	
Gap	1C-46A-1	33.10	37.60	1.00	186.95	186.99	Turbidite
Gap	1C-47A-CC	0.00	22.30	1.00	188.65	188.84	CC
298	1C-49A-1	0.60	27.50	1.00	191.12	191.39	
299	1C-49A-2	0.90	12.00	1.00	191.40	191.51	
Gap	1C-49A-2	12.00	36.20	1.00	191.51	191.76	Turbidite
300	1C-49A-2	36.20	46.70	1.00	191.76	191.86	
301	1C-50A-1	0.80	12.40	1.00	192.38	192.50	
Gap	1C-50A-1	12.40	29.50	1.00	192.50	192.67	Turbidite
302	1C-50A-1	29.50	47.50	1.00	192.67	192.85	
Gap	1C-50A-1	47.50	55.90	1.00	192.85	192.93	Turbidite
Gap	1C-50A-2	0.80	3.00	1.00	192.94	192.97	Turbidite
Gap	1C-50A-2	3.00	87.00	1.00	192.97	193.81	Slump
Gap	1C-50A-2	87.00	100.80	1.00	193.81	193.94	Turbidite
303	1C-51A-1	0.90	14.90	1.00	196.09	196.23	
Gap	1C-51A-1	14.90	29.70	1.00	196.23	196.37	Turbidite
304	1C-51A-1	29.70	47.40	1.00	196.37	196.55	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
305	1C-52A-1	0.50	8.90	1.00	198.24	198.32	
Gap	1C-52A-1	8.90	54.60	1.00	198.32	198.78	Turbidite
Gap	1C-53A-1	0.70	7.80	1.00	200.49	200.56	Turbidite
Gap	1C-53A-CC	0.50	13.70	1.00	200.57	200.70	CC
Gap	1C-54A-1	0.50	51.20	1.00	201.46	201.97	Slump
Gap	1C-55A-1	1.00	18.50	1.00	202.47	202.64	Slump
Gap	1C-56A-1	0.50	19.00	1.00	203.68	203.87	Slump
Gap	1C-57A-1	0.70	16.30	1.00	207.38	207.54	Turbidite
306	1C-57A-1	16.30	32.80	1.00	207.54	207.70	
Gap	1C-57A-1	32.80	42.80	1.00	207.70	207.80	Turbidite
307	1C-57A-1	42.80	81.70	1.00	207.80	208.19	
308	1C-57A-2	0.40	25.30	1.00	208.20	208.45	
Gap	1C-57A-2	25.30	45.40	1.00	208.45	208.65	Turbidite
309	1C-57A-2	45.40	91.10	1.00	208.65	209.10	
Gap	1C-57A-2	91.10	102.20	1.00	209.10	209.21	Turbidite
Gap	1C-58A-1	0.80	21.80	1.00	210.38	210.59	Turbidite
Gap	1C-59A-CC	1.00	10.40	1.00	213.39	213.48	CC
Gap	1C-60A-1	1.30	43.50	0.53	215.18	215.40	Slump
Gap	1C-61A-1	0.60	12.70	1.00	215.91	216.04	Slump
Gap	1C-62A-1	0.70	17.10	1.00	217.75	217.91	Slump
310	1C-62A-1	17.10	69.30	1.00	217.91	218.43	
311	1C-62A-2	0.40	57.90	1.00	218.44	219.02	
312	1C-63A-1	0.30	14.50	1.00	219.99	220.13	
313	1C-64A-1	0.50	37.50	1.00	221.39	221.76	
Gap	1C-64A-1	37.50	62.80	1.00	221.76	222.01	Coring artefact
Gap	1C-64A-2	0.40	67.50	1.00	222.02	222.69	Turbidite
314	1C-64A-2	67.50	97.70	1.00	222.69	223.00	
315	1C-65A-1	0.60	79.50	1.00	226.62	227.41	
316	1C-66A-1	0.60	20.30	1.00	229.07	229.27	
Gap	1C-66A-1	20.30	66.50	1.00	229.27	229.73	Slump
317	1C-67A-1	0.60	62.90	1.00	232.27	232.90	
318	1C-68A-1	0.80	67.00	1.00	234.08	234.74	
319	1C-68A-2	0.60	101.00	1.00	234.75	235.75	
Gap	1C-69A-1	0.50	28.60	1.00	237.07	237.35	Slump
Gap	1C-70A-1	0.60	40.00	1.00	239.37	239.76	Slump
Gap	1C-71A-1	0.50	17.80	1.00	241.48	241.65	Slump
Gap	1C-71A-2	0.40	100.70	1.00	241.66	242.66	Slump
320	1C-71A-3	0.30	100.50	1.00	242.67	243.67	
321	1C-72A-1	0.30	17.60	1.00	245.27	245.44	
Gap	1C-72A-1	17.60	26.60	1.00	245.44	245.53	Slump
322	1C-72A-1	26.60	35.50	1.00	245.53	245.62	
Gap	1C-72A-1	35.50	78.60	1.00	245.62	246.05	Slump
323	1C-73A-1	0.60	3.30	1.00	247.47	247.50	
Gap	1C-73A-1	3.30	39.00	1.00	247.50	247.86	Turbidite
Gap	1C-73A-2	0.30	42.80	1.00	247.86	248.29	Turbidite
Gap	1C-73A-2	42.80	100.60	1.00	248.29	248.87	Slump
Gap	1C-74A-1	0.30	46.70	1.00	251.26	251.73	Slump
Gap	1C-74A-2	0.60	64.70	1.00	251.73	252.37	Slump
324	1C-74A-2	64.70	99.80	1.00	252.37	252.72	
325	1C-75A-1	0.70	36.10	1.00	254.77	255.12	
Gap	1C-75A-1	36.10	48.50	1.00	255.12	255.25	Turbidite
Gap	1C-76A-1	0.40	38.00	1.00	257.17	257.55	Turbidite
326	1C-76A-1	38.00	56.30	1.00	257.55	257.73	
327	1C-77A-1	0.40	26.00	1.00	259.75	260.01	
Gap	1C-77A-2	0.70	59.70	1.00	260.02	260.61	Slump
328	1C-77A-2	59.70	88.00	1.00	260.61	260.89	
329	1C-78A-1	0.50	38.10	1.00	262.82	263.20	
Gap	1C-78A-1	38.10	43.30	1.00	263.20	263.25	Turbidite
330	1C-78A-1	43.30	52.00	1.00	263.25	263.34	

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
331	1C-79A-1	0.80	71.80	1.00	265.88	266.59	
332	1C-80A-1	0.60	32.00	1.00	269.92	270.24	
Gap	1C-80A-1	32.00	37.50	1.00	270.24	270.29	Turbidite
333	1C-80A-1	37.50	46.30	1.00	270.29	270.38	
Gap	1C-80A-1	46.30	53.40	1.00	270.38	270.45	Turbidite
334	1C-80A-1	53.40	63.30	1.00	270.45	270.55	
Gap	1C-80A-1	63.30	71.00	1.00	270.55	270.63	Turbidite
Gap	1C-81A-1	0.80	32.90	1.00	272.28	272.60	Slump
Gap	1C-81A-1	32.90	41.00	1.00	272.60	272.68	Turbidite
335	1C-82A-1	0.50	46.70	1.00	275.28	275.74	
Gap	1C-82A-1	46.70	52.50	1.00	275.74	275.80	Slump
336	1C-82A-1	52.50	96.80	1.00	275.80	276.24	
Gap	1C-84Q-1	0.20	27.50	1.00	279.54	279.82	Turbidite
337	1C-84Q-1	27.50	70.60	1.00	279.82	280.25	
Gap	1C-84Q-1	70.60	76.70	1.00	280.25	280.31	Turbidite
338	1C-84Q-1	76.70	79.20	1.00	280.31	280.33	
Gap	1C-84Q-1	79.20	101.80	1.00	280.33	280.56	Turbidite
339	1C-84Q-2	0.10	15.70	1.00	280.55	280.71	Turbidite
340	1C-84Q-2	15.70	44.50	1.00	280.71	280.99	
Gap	1C-84Q-2	44.50	101.70	1.00	280.99	281.57	Turbidite
Gap	1C-84Q-3	0.10	38.20	1.00	281.56	281.94	Turbidite
341	1C-84Q-3	38.20	100.40	1.00	281.94	282.56	
Gap	1C-85Q-1	0.40	38.60	1.00	282.75	283.13	Coring artefact
342	1C-85Q-1	38.60	72.50	1.00	283.13	283.47	
Gap	1C-85Q-1	72.50	92.50	1.00	283.47	283.67	Turbidite
Gap	1C-85Q-2	0.10	11.60	1.00	283.68	283.79	Turbidite
343	1C-85Q-2	11.60	46.60	1.00	283.79	284.14	
Gap	1C-85Q-2	46.60	93.10	1.00	284.14	284.61	Turbidite
344	1C-85Q-2	93.10	100.90	1.00	284.61	284.69	
345	1C-85Q-3	0.10	37.70	1.00	284.68	285.06	
Gap	1C-85Q-3	37.70	100.70	1.00	285.06	285.69	Turbidite
346	1C-86Q-1	0.10	22.00	1.00	285.63	285.85	
Gap	1C-87Q-1	0.40	41.70	1.00	286.04	286.45	Coring artefact
Gap	1C-87Q-2	0.50	41.50	1.00	286.47	286.88	Coring artefact
347	1C-87Q-2	41.50	61.00	1.00	286.88	287.07	
Gap	1C-88Q-1	0.80	51.10	1.00	286.75	287.25	Coring artefact
Gap	1C-88Q-2	0.60	85.20	1.00	287.27	288.12	Coring artefact
Gap	1C-88Q-3	0.40	23.10	1.00	288.13	288.35	Coring artefact
Gap	1C-88Q-3	23.10	79.20	1.00	288.35	288.91	Turbidite
348	1C-88Q-3	79.20	101.10	1.00	288.91	289.13	
349	1C-89Q-1	0.20	64.50	1.00	291.74	292.39	
Gap	1C-89Q-1	64.50	72.80	1.00	292.39	292.47	Turbidite
350	1C-89Q-1	72.80	82.20	1.00	292.47	292.56	
351	1C-89Q-2	0.30	100.80	1.00	292.56	293.57	
352	1C-89Q-3	0.10	1.10	1.00	293.57	293.58	
Gap	1C-89Q-3	1.10	6.20	1.00	293.58	293.63	Turbidite
353	1C-89Q-3	6.20	101.70	1.00	293.63	294.59	
354	1C-90Q-1	0.20	32.00	1.00	294.88	295.20	
Gap	1C-90Q-1	32.00	65.20	1.00	295.20	295.53	Turbidite
Gap	1C-90Q-2	0.50	6.90	1.00	295.54	295.61	Turbidite
355	1C-90Q-2	6.90	20.00	1.00	295.61	295.74	
Gap	1C-90Q-2	20.00	31.60	1.00	295.74	295.85	Turbidite
356	1C-90Q-2	31.60	34.60	1.00	295.85	295.88	
Gap	1C-90Q-2	34.60	40.10	1.00	295.88	295.94	Turbidite
357	1C-90Q-2	40.10	52.10	1.00	295.94	296.06	
Gap	1C-90Q-2	52.10	69.00	1.00	296.06	296.23	Turbidite
358	1C-90Q-2	69.00	100.70	1.00	296.23	296.55	
359	1C-90Q-3	0.20	26.30	1.00	296.55	296.82	
Gap	1C-90Q-3	26.30	76.00	1.00	296.82	297.31	Turbidite

Supplement Table 1: continued

No.	Section	section depth		compaction factor	composite depth		comment
		Top (cm)	Bottom (cm)		Top (m)	Bottom (m)	
360	1C-90Q-3	76.00	100.10	1.00	297.31	297.55	
Gap	1C-91Q-1	0.50	49.00	1.00	297.84	298.32	Coring artefact
361	1C-91Q-1	49.00	57.70	1.00	298.32	298.41	
Gap	1C-91Q-1	57.70	69.50	1.00	298.41	298.53	Turbidite
Gap	1C-91Q-1	69.50	89.40	1.00	298.53	298.72	Turbidite
Gap	1C-91Q-2	0.10	17.90	1.00	298.73	298.91	Turbidite
362	1C-91Q-2	17.90	20.40	1.00	298.91	298.93	
Gap	1C-91Q-2	20.40	100.00	1.00	298.93	299.73	Turbidite
Gap	1C-91Q-3	0.40	6.80	1.00	299.74	299.80	Turbidite
363	1C-91Q-3	6.80	99.90	1.00	299.80	300.73	
364	1C-92Q-1	0.20	70.80	1.00	300.82	301.53	
365	1C-92Q-2	0.20	100.20	1.00	301.53	302.53	
366	1C-92Q-3	0.50	100.20	1.00	302.54	303.54	
367	1C-93Q-1	0.10	92.30	1.00	303.73	304.65	
368	1C-93Q-2	0.10	100.50	1.00	304.65	305.65	
369	1C-93Q-3	0.10	14.40	1.00	305.65	305.80	
Gap	1C-93Q-3	14.40	23.80	1.00	305.80	305.89	Turbidite
370	1C-93Q-3	23.80	46.40	1.00	305.89	306.12	
Gap	1C-93Q-3	46.40	59.20	1.00	306.12	306.24	Turbidite
371	1C-93Q-3	59.20	68.70	1.00	306.24	306.34	
Gap	1C-93Q-3	68.70	100.90	1.00	306.34	306.66	Turbidite
Gap	1C-94Q-1	0.30	78.70	1.00	306.73	307.51	Turbidite
372	1C-94Q-1	78.70	101.50	1.00	307.51	307.74	
373	1C-94Q-2	0.10	20.30	1.00	307.75	307.95	
Gap	1C-94Q-2	20.30	27.20	1.00	307.95	308.02	Turbidite
374	1C-94Q-2	27.20	59.10	1.00	308.02	308.34	
Gap	1C-94Q-2	59.10	64.70	1.00	308.34	308.39	Turbidite
375	1C-94Q-2	64.70	97.90	1.00	308.39	308.72	
376	1C-94Q-3	0.10	45.00	1.00	308.72	309.17	
Gap	1C-94Q-3	45.00	102.00	1.00	309.17	309.74	Turbidite
Gap	1C-95Q-1	0.10	5.20	1.00	309.73	309.78	Turbidite
377	1C-95Q-1	5.20	43.30	1.00	309.78	310.16	
Gap	1C-95Q-1	43.30	68.00	1.00	310.16	310.40	Turbidite
378	1C-95Q-1	68.00	76.10	1.00	310.40	310.49	
379	1C-95Q-2	0.10	38.30	1.00	310.49	310.87	
Gap	1C-95Q-2	38.30	46.20	1.00	310.87	310.95	Turbidite
380	1C-95Q-2	46.20	56.10	1.00	310.95	311.05	
Gap	1C-95Q-2	56.10	61.10	1.00	311.05	311.10	Turbidite
381	1C-95Q-2	61.10	66.40	1.00	311.10	311.15	
Gap	1C-95Q-2	66.40	100.70	1.00	311.15	311.50	Turbidite
382	1C-95Q-3	0.10	101.00	1.00	311.50	312.50	
383	1C-96Q-1	0.10	8.60	1.00	312.83	312.91	
Gap	1C-96Q-1	8.60	50.00	1.00	312.91	313.33	Turbidite
384	1C-96Q-1	50.00	62.00	1.00	313.33	313.45	
385	1C-96Q-2	0.60	100.20	1.00	313.46	314.46	
386	1C-96Q-3	0.30	100.60	1.00	314.47	315.47	
387	1C-97Q-1	0.30	71.70	1.00	315.83	316.54	
388	1C-97Q-2	0.50	100.10	1.00	316.58	317.58	
389	1C-97Q-3	0.30	102.00	1.00	317.59	318.61	