

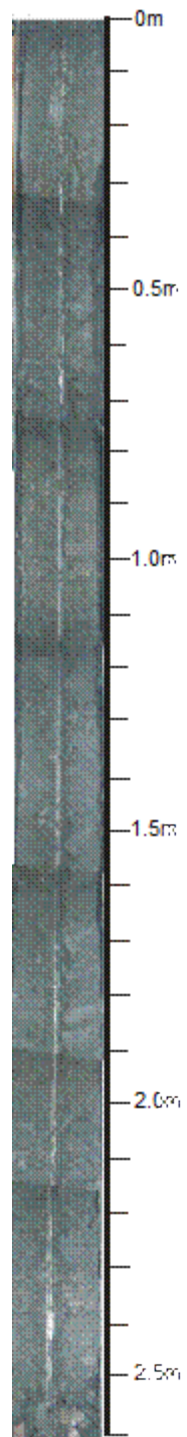
CORE 3C:

Core 3C was taken at a water depth of 7.5m (24.5ft) (Table1) and was a total length of 255cm (100.4in) (Figures 1 & 16-18). A total of 13 grain size samples were taken at depths of 1-10cm (0.4-3.9in), 31-40cm (12.2-15.8in), 51-60cm (20-23.6in), 61-70cm (24-27.6in), 91-100cm (35.8-39.4in), 121-130cm (47.6-51.2in), 161-170cm (63.4-66.9in), 171-180cm (67.3-70.9in), 201-205cm (79.1-80.7in), 205-210cm (80.7-82.7in), 221-225cm (87-88.6in), 231-240cm (90.9-94.5in), and 241-250cm (94.9-98.4in). From the top of the core to 60cm (23.6in) depth there was a decrease in percent sand from 93 to 30%. From the depths of 60cm (23.6in) to 130cm (51.2in) percent sand increased from 30 to 85% with a mean grain size ranging from 0.0407mm (4.6phi) to 0.1174mm (3.1phi). From 130 (51.3in) to 205cm (80.7in) depth percent sand decreased from 85 to 15%. From 205cm (80.7in) to 240cm (94.5in) depth there was an increase in percent sand from 15 to 92%. From 241cm (94.9in) to the bottom of the core, there was a decrease in percent sand from 92% to 56% with a mean grain size of 0.2943mm (1.8phi).

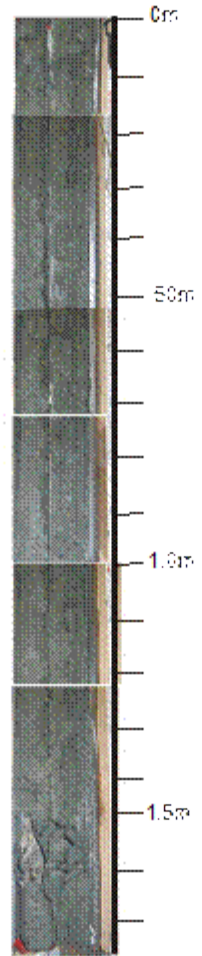
Sand and shell weights are shown in Table 12. Percent sand, silt and clay are shown in Table 13. Median grain size, mean grain size, skewness and sorting index are shown in Table 16. Graphs of the results are located in Figures 19-22.

It was determined that core 3C had approximately 182cm (71.7in) of sediment contained at least 50% sand, of which 62cm (24.4in) was located shallower than 1m (39.4in) depth.

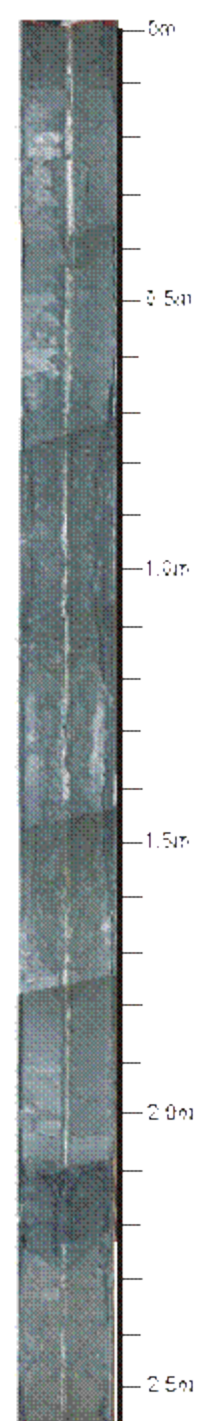
3A



3B



3C



Core#: 3C
 Core Date: 07/09/2005

Date Split/subsampled: 08/05/2005
 Length: 255 cm
 Lat: 29 17.424
 Long: 94 45.517

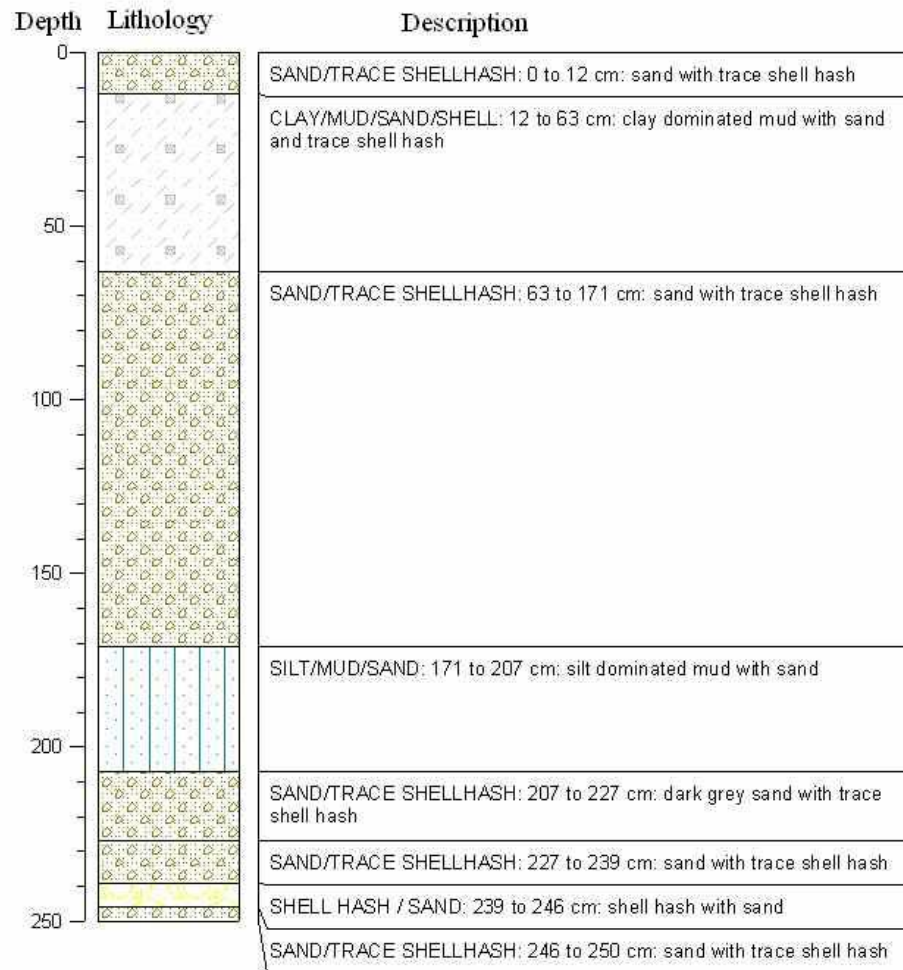
Centi-Meters	Munsell Soil Color	Depths Sampled	Description:
0-63	5Y 4/1	65	0-12 → SAND w/ TRACE SHELL HASH
63-171	5Y 3/1	110cm 31-40cm 51-60cm 61-70cm 91-100cm	12-63 → CLAY DOMINATED MUD w/ SAND LAMINATIONS AND TRACE SHELL HASH. (LAYERS APPROX 1cm THICK)
171-207	6Y 1/1	121-130cm 161-170cm 171-180cm	63-171 → SAND w/ TRACE SHELL HASH
207-227	6Y 1	201-205cm 205-210cm 221-225cm 231-240cm 241-250cm	171-207 → SILT DOMINATED MUD w/ SAND LAMINATIONS. (SAND LAM. APPROX 1-cm THICK. MUD LAYERS APPROX 5 cm THICK)
227-250	2.5/N	WC	207-227 → DARK GREY SAND w/ TRACE SHELL
	5Y 4/1	0-1cm 10-11cm 20-21cm 30-31cm 40-41cm 50-51cm 60-61cm 70-71cm 80-81cm 90-91cm 100-101cm 110-111cm 120-121cm 130-131cm 140-141cm 150-151cm 160-161cm 170-171cm 180-181cm 190-191cm 200-201cm	227-239 → SAND w/ TRACE SHELL HASH 239-246 → SHELL HASH w/ SAND. 246-250 → SAND w/ TRACE SHELL HASH.

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Centi-Meters	Munsell Soil Color	Depths Sampled	Description:
0-63		WC	
63-171		continued	
171-207		210-211cm 220-221cm 230-231cm 240-241cm	
207-227			
227-250			

Line 3 Site C



Core ID	Sample Depth (cm)	shell weight (g)	200+ weight (g)	200-230 weight (g)	overall sand weight (g)
3C	1-10	1.48	95.47	1.58	95.47
3C	31-40	0.05	13.42	3.69	13.42
3C	51-60	0.06	9.63	2.48	9.63
3C	61-70	0.07	47.52	15.21	47.52
3C	91-100	0.08	92.34	4.86	92.34
3C	120-130	0.22	90.65	2.64	90.65
3C	161-170	0.57	76.06	6.66	76.06
3C	171-180	0.14	10.96	2.96	10.96
3C	201-205	0.00	4.52	1.02	4.52
3C	205-210	0.02	38.53	9.74	38.53
3C	221-225	0.98	55.17	2.27	55.17
3C	231-240	2.15	79.34	1.13	79.34
3C	241-250	31.96	57.50	1.16	57.50

Table 1: Sand and Shell weights for core 3C

Core ID	Sample Depth (cm)	% shell	% sand	%silt	%clay
3C	1-10	1.45	93.63	2.19	2.73
3C	31-40	0.13	34.67	44.55	20.65
3C	51-60	0.18	29.27	30.13	40.42
3C	61-70	0.08	55.64	36.74	7.54
3C	91-100	0.07	79.57	15.76	4.60
3C	120-130	0.21	84.52	10.84	4.43
3C	161-170	0.55	74.03	15.55	9.86
3C	171-180	0.28	21.75	37.83	40.14
3C	201-205	0.00	14.63	19.73	65.64
3C	205-210	0.03	59.10	29.70	11.17
3C	221-225	1.37	77.33	16.23	5.07
3C	231-240	2.48	91.62	3.48	2.41
3C	241-250	31.20	56.13	7.01	5.65

Table 2: Percent Shell, Sand, Silt and Clay for core 3C

Core ID	Sample Depth (cm)	N10/ 2.0mm Screen Sample Weight (g)	N14/ 1.40mm Screen Sample Weight (g)	N18/ 1.00mm Screen Sample Weight (g)	N25/ 710µm Screen Sample Weight (g)	N35/ 500µm Screen Sample Weight (g)	N45/ 355µm Screen Sample Weight (g)	N60/ 250µm Screen Sample Weight (g)	N80/ 180µm Screen Sample Weight (g)	N125/ 125µm Screen Sample Weight (g)	N170/ 90µm Screen Sample Weight (g)	N200/ 75µm Screen Sample Weight (g)	N230/ 63µm Screen Sample Weight (g)	CATCH Pan
3C	1-10	0.52	0.37	0.25	0.18	0.10	0.06	0.19	0.63	75.69	16.20	2.76	1.58	1.02
3C	31-40						0.05					13.42	3.69	3.96
3C	51-60						0.06					9.63	2.48	0.62
3C	61-70	0.00	0.00	0.02	0.01	0.01	0.03	0.12	0.26	2.56	20.81	23.77	15.21	10.19
3C	91-100	0.00	0.01	0.00	0.01	0.02	0.04	0.08	0.22	3.77	43.63	44.64	4.86	7.41
3C	120-130	0.04	0.02	0.03	0.04	0.04	0.05	0.18	0.69	64.85	20.37	4.56	2.64	4.40
3C	161-170	0.10	0.13	0.07	0.09	0.08	0.10	0.23	0.67	11.19	52.39	11.58	6.66	1.92
3C	171-180						0.14					10.96	2.96	0.74
3C	201-205						0.00					4.52	1.02	0.32
3C	205-210						0.02					38.53	9.74	3.25
3C	221-225	0.27	0.18	0.14	0.09	0.10	0.20	0.09	0.36	5.05	26.08	23.59	2.27	2.27
3C	231-240	0.62	0.58	0.30	0.27	0.21	0.17	0.37	1.62	65.61	9.94	1.80	1.13	0.78
3C	241-250	15.41	6.02	4.07	3.10	2.08	1.28	1.51	2.58	31.63	18.92	2.86	1.16	1.34

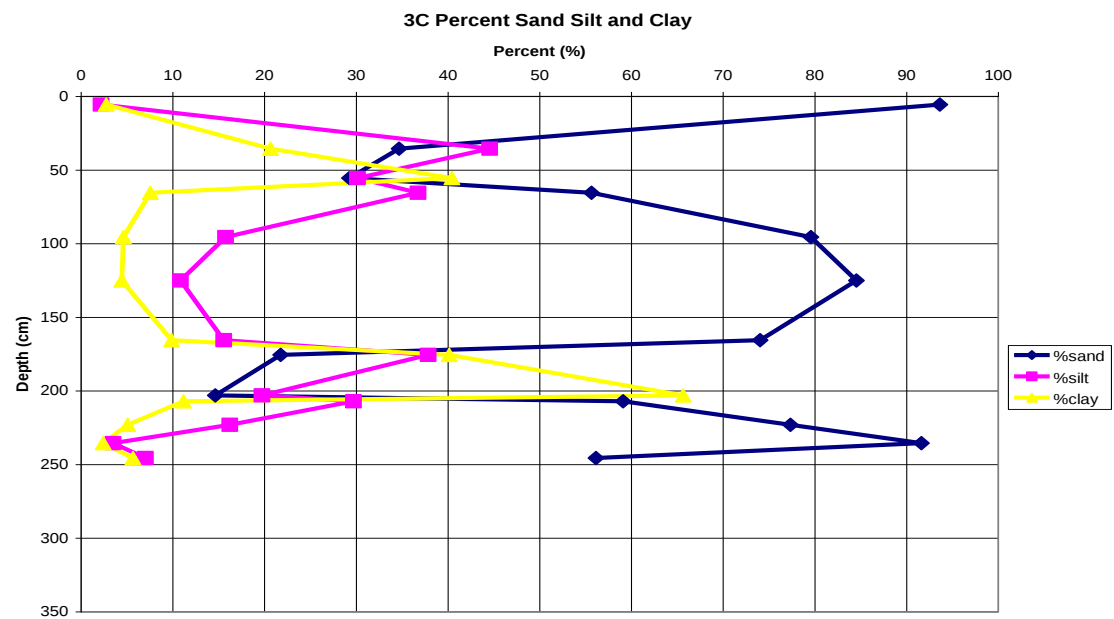
Table 3: RO-TAP data for core 3C

ASTM Classification		coarse sand	medium sand	medium sand	medium sand	medium sand	fine sand	fine sand	fine sand	fine sand	fine sand	fine sand	silt
Wentworth Classification		granule	very coarse sand	very coarse sand	coarse sand	coarse sand	medium sand	fine sand	fine sand	fine sand	very fine sand	very fine sand	very fine silt
Core ID	Sample Depth (cm)	% finer than N10/ 2.0mm/ -1.0Φ Screen	% finer than N14/ 1.40mm / -0.5Φ Screen	% finer than N18/ 1.00mm/ 0.0Φ Screen	% finer than N25/ 710µm / 0.5Φ Screen	% finer than N35/ 500µm/ 1.0Φ Screen	% finer than N45/ 355µm / 1.5Φ Screen	% finer than N60/ 250µm 2.0Φ Screen	% finer than N80/ 180µm/ 2.5 Φ Screen	% finer than N125/ 125µm/ 3.0Φ Screen	% finer than N170/ 90µm / 3.5Φ Screen	% finer than N200/ 75µm / 4.0Φ Screen	% finer than 4µm/ 8Φ
Observed Contents of the sample		shell only	shell only	shell only	shell only	shell only	shell only	shell only	sand	sand	sand	sand	silt
3C	1-10	99.5	99.1	98.9	98.7	98.6	98.5	98.4	97.7	23.5	7.6	4.9	2.7
3C	31-40						99.9					65.2	20.7
3C	51-60						99.8					70.6	40.4
3C	61-70	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.5	96.5	72.1	44.3	7.5
3C	91-100	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.7	96.4	58.8	20.4	4.6
3C	120-130	100.0	99.9	99.9	99.9	99.8	99.8	99.6	99.0	38.5	19.5	15.3	4.4
3C	161-170	99.9	99.8	99.7	99.6	99.5	99.4	99.2	98.6	87.7	36.7	25.4	9.9
3C	171-180						99.7					78.0	40.1
3C	201-205						100.0					85.4	65.6
3C	205-210						100.0					40.9	11.2
3C	221-225	99.6	99.4	99.2	99.0	98.9	98.6	98.5	98.0	90.9	54.4	21.3	5.1
3C	231-240	99.3	98.6	98.3	98.0	97.7	97.5	97.1	95.2	19.5	8.0	5.9	2.4
3C	241-250	85.0	79.1	75.1	72.1	70.0	68.8	67.3	64.8	33.9	15.5	12.7	5.7

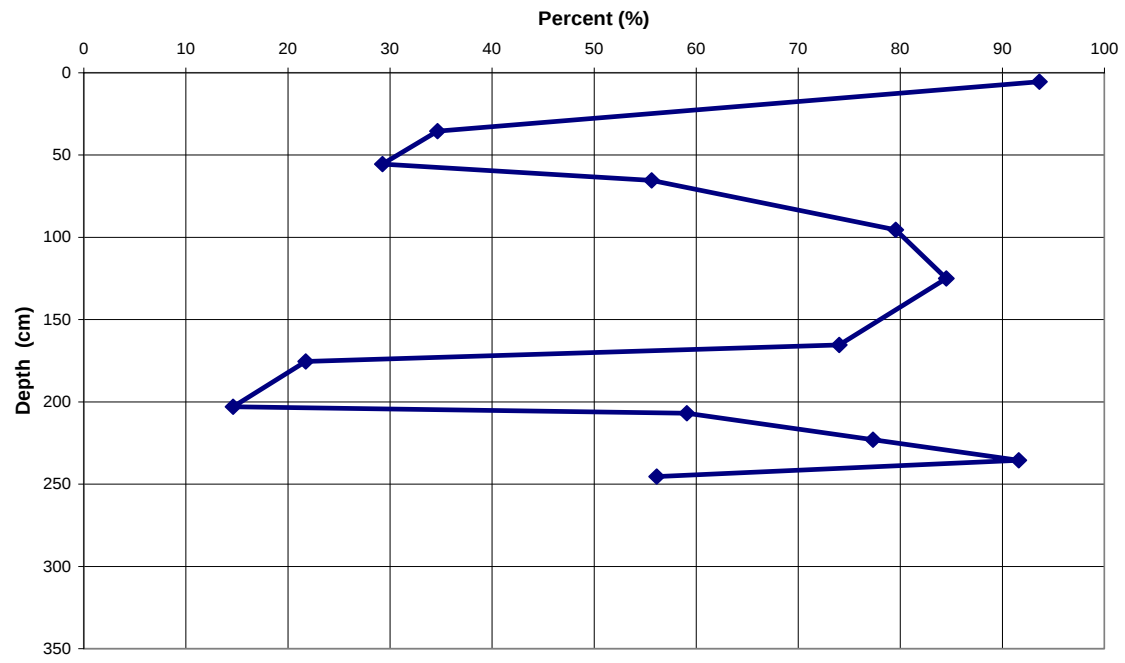
Table 4: Percent Finer table for core 3C

Core ID	Sample Depth	Median Grain Size	Median Grain Size	Mean Grain Size	Mean Grain Size	Skewness	Sorting Index
	(cm)	(phi)	(mm)	(phi)	(mm)		
3C	1-10	2.820	0.1410	2.8388	0.1392	0.3213	0.3011
3C	31-40						
3C	51-60						
3C	61-70	3.696	0.0767	3.7515	0.0738	0.5386	1.7648
3C	91-100	3.553	0.0848	4.6084	0.0407	0.8245	1.6722
3C	120-130	2.899	0.1335	3.0837	0.1174	0.6603	0.7871
3C	161-170	3.357	0.0971	3.5113	0.0873	0.6636	1.7855
3C	171-180						
3C	201-205						
3C	205-210						
3C	221-225	3.531	0.0861	4.5800	0.0415	0.7725	1.7490
3C	231-240	2.796	0.1434	2.8081	0.1422	0.3277	0.3192
3C	241-250	2.763	0.1467	1.7609	0.2943	-0.2438	2.6507

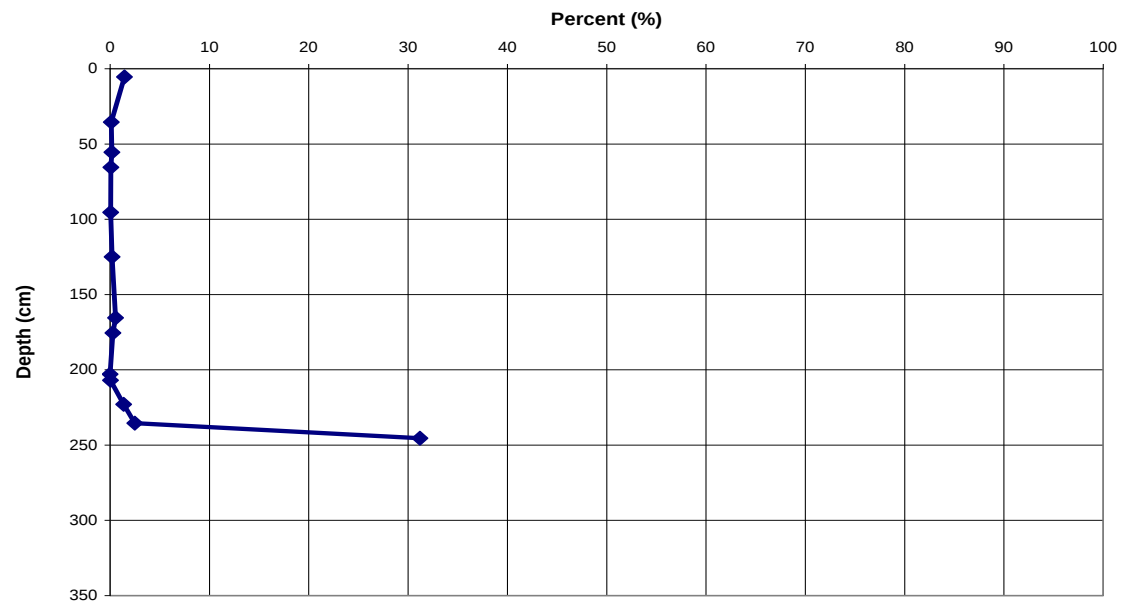
Table 5: Median grain size, Mean grain size, Skewness and Sorting Index for core 3C



3C Percent Sand



3C Percent Shell



3C Percent Shell

