

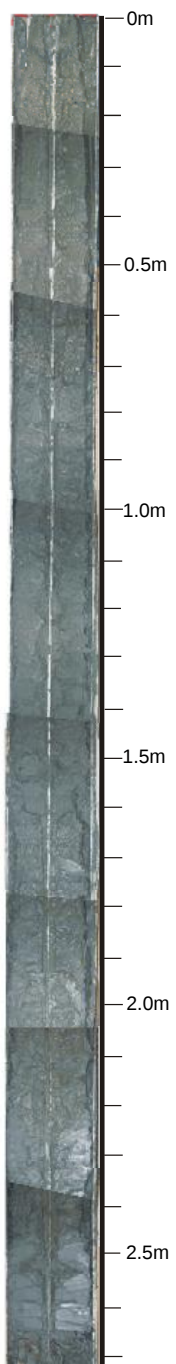
CORE 4B:

Core 4B was taken at a water depth of 6.1m (20ft) (Table1) and had a total length of 314cm (123.6in) (Figures 23 & 31-34). A total of 14 grain size samples were taken at depths of 1-10cm (0.4-3.9in), 31-40cm (12.2-15.8in), 61-70cm (24-27.6in), 91-100cm (35.8-39.4in), 101-110cm (39.8-43.3in), 131-140cm (51.6-55.1in), 141-150cm (55.5-59.1in), 161-170cm (63.4-66.9in), 201-210cm (79.1-82.7in), 211-220cm (83-86.6in), 221-230cm (87-90.6in), 251-260cm (98.8-102.4in), 291-300cm (114.6-118.1in) and 301-310cm (118.5-122in). The top of this core down to approximately 80cm (31.5in) contained a percent sand decreasing from 87% to 38%, and a mean grain size ranging from 0.1149mm (3.1phi) to 0.1003mm (3.3phi). From depth 80cm (31.5in) to 100cm (39.4in) percent sand remained below 40%. From the depth of 100cm (39.4in) to 140cm (55.1in) there was an increase in percent sand from 40 to 84% with mean grain size ranging from 0.0867mm (3.5phi) to 0.0968mm (3.4phi). There was a decrease in percent sand from 84% to 21% between the depths of 140 to 260cm (55.1 to 102.4in) and a decrease in mean grain size ranging from 0.0968mm (3.4phi) to 0.0217mm (5.5phi). From 260cm (102.4in) to the bottom of the core percent sand remained below 30%.

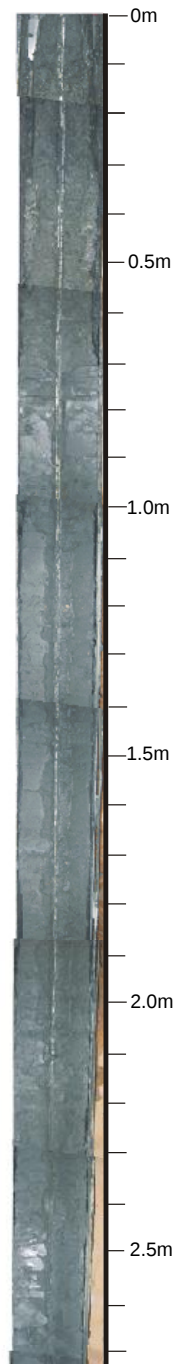
Sand and shell weights are shown in Table 22. Percent sand, silt and clay are shown in Table 23. Median grain size, mean grain size, skewness and sorting index are shown in Table 26. Graphs of the results are located in Figures 35-38.

It was determined that core 4B had approximately 193cm (76in) of sediment contained at least 50% sand, of which 72cm (28.3in) was located shallower than 1m (39.4in) depth.

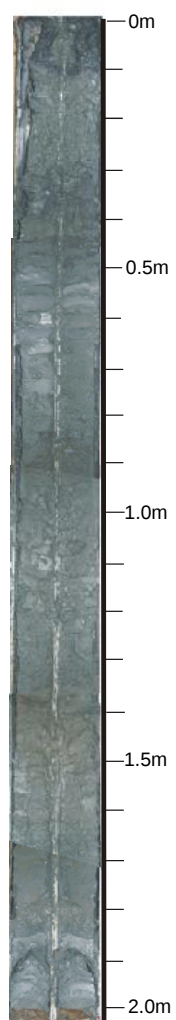
4A



4B



4C



Core#: 4B

Core Date: 07/09/2005

Date Split/subsampled	Length: 314 cm
08/19/2005	Lat: 29 17.224
	Long: 94 46.766

Core#: 4B

Core Date: 07/09/2005

Date Split/subsampled	Length: 314 cm
08/19/2005	Lat: 29 17.224
	Long: 94 46.766

Centi-Meters	Munsell Soil Color	Depths Sampled	Description:
0-10	1-20 SY 2.5/1	GS 1-10 cm	0-80 → SHELL HASH w/ SAND
10-20	20-40 SY 3/1	21-40 cm	80-100 → ALTERNATING SAND/MUD LAYERS w/ TRACE SHELL HASH.
20-30	40-70 SY 4/1	61-70 cm	100-226 → SAND w/ TRACE SHELL HASH
30-40	70-100	91-100 cm	226-314 → ALTERNATING SAND/MUD LAYERS w/ TRACE SHELL HASH. APPROX 1-2 WIDE
40-50	GREY 1 4/N	101-110 cm	
50-60	100-226 SY 4/1	131-140 cm	
60-70	226-314 GREY 1 4/N	141-150 cm	
70-80		161-170 cm	
80-90		201-210 cm	
90-100		211-220 cm	
100-110		221-230 cm	
110-120		251-260 cm	
120-130		271-280 cm	
130-140		291-300 cm	
140-150		301-310 cm	
150-160			
160-170			
170-180			
180-190			
190-200			
200-210			
210-220			
220-230			
230-240			
240-250			
250-260			
260-270			
270-280			
280-290			
290-300			
300-310			

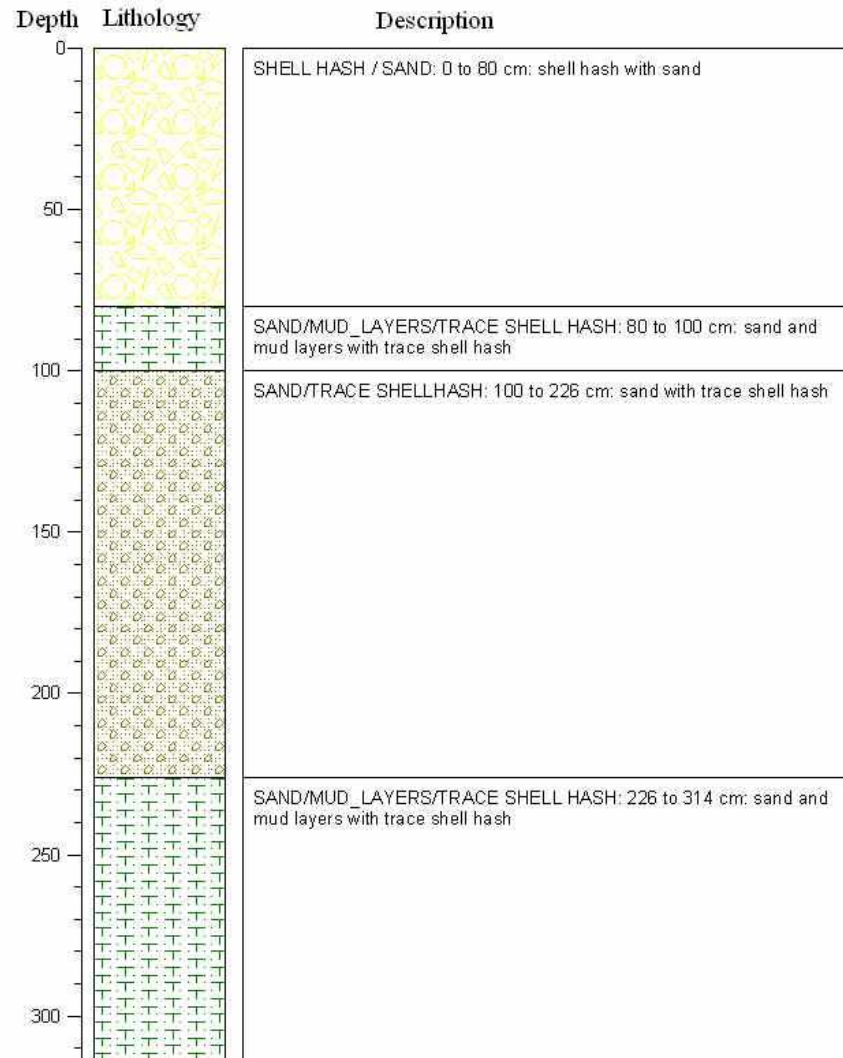
Centi-Meters	Munsell Soil Color	Depths Sampled	Description:
0-10		WC continued	
10-20		190-191 cm	
20-30		200-201 cm	
30-40		210-211 cm	
40-50		220-221 cm	
50-60		230-231 cm	
60-70		240-241 cm	
70-80		250-251 cm	
80-90		260-261 cm	
90-100		270-271 cm	
100-110		280-281 cm	
110-120		290-291 cm	
120-130		300-301 cm	
130-140		310-311 cm	
140-150			
150-160			
160-170			
170-180			
180-190			
190-200			
200-210			
210-220			
220-230			
230-240			
240-250			
250-260			
260-270			
270-280			
280-290			
290-300			
300-310			

Core Date: 07/09/2005

Date Split/subsampled	Length: 314 cm
08/19/2005	Lat: 29 17.224
	Long: 94 16.766

[illegible]

Line 4 Site B



Core ID	Sample Depth (cm)	shell weight (g)	200+ weight (g)	200-230 weight (g)	overall sand weight (g)
4B	1-10	3.14	87.44	2.56	87.44
4B	31-40	7.45	94.12	2.69	94.12
4B	61-70	9.57	97.40	4.80	97.40
4B	71-80	1.41	33.96	4.73	33.96
4B	91-100	0.13	24.08	3.86	24.08
4B	101-110	0.19	74.51	7.26	74.51
4B	131-140	0.36	77.84	5.88	77.84
4B	161-170	0.86	96.67	5.69	96.67
4B	201-210	0.65	97.71	7.10	97.71
4B	211-220	0.34	78.54	6.20	78.54
4B	221-230	0.01	28.27	3.85	28.27
4B	251-260	0.02	9.84	2.47	9.84
4B	291-300	0.06	14.70	4.63	14.70
4B	301-310	0.01	14.02	1.52	14.02

Table 1: Sand and Shell weights for core 4B

Core ID	Sample Depth (cm)	% shell	% sand	%silt	%clay
4B	1-10	3.13	87.21	6.84	2.82
4B	31-40	6.68	84.44	4.41	4.46
4B	61-70	7.53	76.65	9.57	6.25
4B	71-80	1.56	37.62	25.06	35.76
4B	91-100	0.21	38.65	26.20	34.94
4B	101-110	0.19	75.32	18.83	5.66
4B	131-140	0.39	84.22	11.79	3.60
4B	161-170	0.68	76.33	17.41	5.58
4B	201-210	0.47	71.03	15.42	13.08
4B	211-220	0.27	61.25	19.53	18.95
4B	221-230	0.02	48.21	26.43	25.33
4B	251-260	0.04	21.38	38.43	40.15
4B	291-300	0.12	28.23	42.22	29.43
4B	301-310	0.02	30.59	30.38	39.01

Table 2: Percent Shell, Sand, Silt and Clay for core 4B

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
4B	1-10	0.81	0.69	0.61	0.61	0.28	0.14	0.16	0.96	16.73	58.75	10.84	2.56	0.52
4B	31-40	2.5	2.18	1.37	0.80	0.40	0.20	0.44	0.93	31.33	54.56	6.86	2.69	0.75
4B	61-70	5.3	2.01	1.13	0.65	0.28	0.20	0.24	0.65	16.43	67.27	12.81	4.80	2.72
4B	71-80						1.41					33.96	4.73	2.13
4B	91-100						0.13					24.08	3.86	2.59
4B	101-110	0	0.04	0.02	0.02	0.03	0.08	0.12	0.38	6.00	52.64	15.37	7.26	5.15
4B	131-140	0.15	0.07	0.05	0.03	0.01	0.05	0.09	0.33	11.22	52.98	13.22	5.88	1.95
4B	161-170	0.09	0.05	0.15	0.13	0.17	0.27	0.35	0.93	22.21	62.07	11.11	5.69	4.45
4B	201-210	0.01	0.10	0.06	0.09	0.12	0.27	0.52	0.76	27.51	60.44	8.48	7.10	7.05
4B	211-220	0.03	0.02	0.04	0.03	0.05	0.17	0.22	0.44	8.21	53.73	15.94	6.20	3.39
4B	221-230						0.01					28.27	3.85	1.82
4B	251-260						0.02					9.84	2.47	1.49
4B	291-300						0.06					14.70	4.63	2.58
4B	301-310						0.01					14.02	1.52	1.23

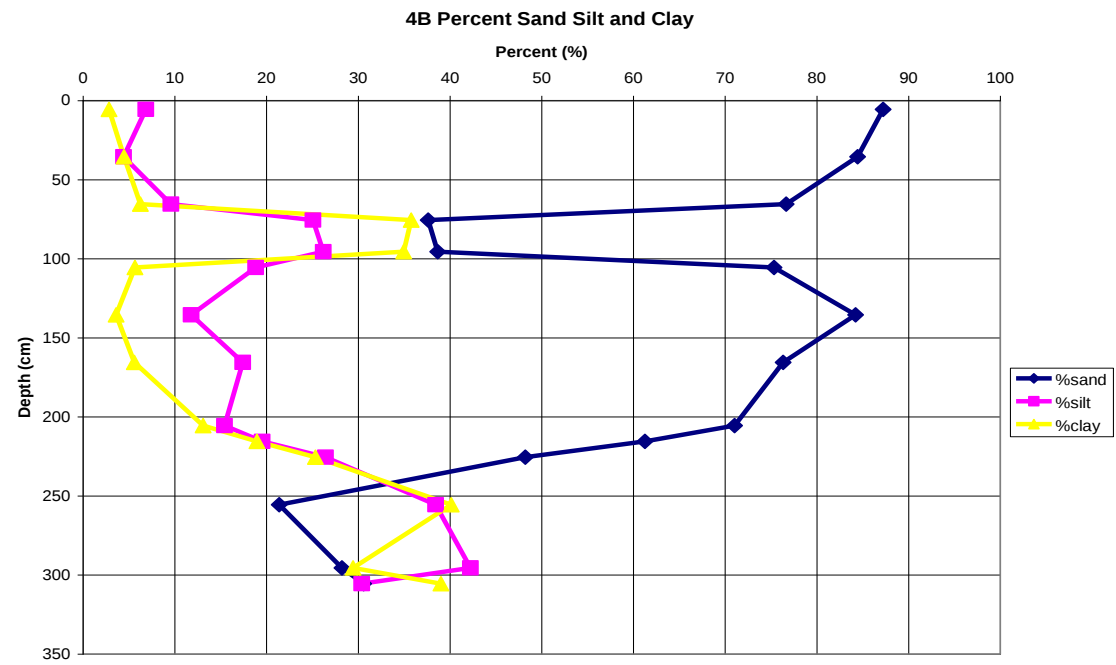
Table 3: RO-TAP data for core 4B

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
4B	1-10	99.2	98.5	97.9	97.3	97.0	96.9	96.7	95.8	79.1	20.5	9.7	2.8
4B	31-40	97.8	95.8	94.6	93.9	93.5	93.3	92.9	92.1	64.0	15.0	8.9	4.5
4B	61-70	95.8	94.2	93.4	92.8	92.6	92.5	92.3	91.8	78.8	25.9	15.8	6.2
4B	71-80						98.4					60.8	35.8
4B	91-100						99.8					61.1	34.9
4B	101-110	100.0	100.0	99.9	99.9	99.9	99.8	99.7	99.3	93.2	40.0	24.5	5.7
4B	131-140	99.8	99.8	99.7	99.7	99.7	99.6	99.5	99.2	87.0	29.7	15.4	3.6
4B	161-170	99.9	99.9	99.8	99.7	99.5	99.3	99.0	98.3	80.8	31.8	23.0	5.6
4B	201-210	100.0	99.9	99.9	99.8	99.7	99.5	99.1	98.6	78.6	34.7	28.5	13.1
4B	211-220	100.0	100.0	99.9	99.9	99.9	99.7	99.6	99.2	92.8	50.9	38.5	19.0
4B	221-230						100.0					51.8	25.3
4B	251-260						100.0					78.6	40.1
4B	291-300						99.9					71.7	29.4
4B	301-310						100.0					69.4	39.0

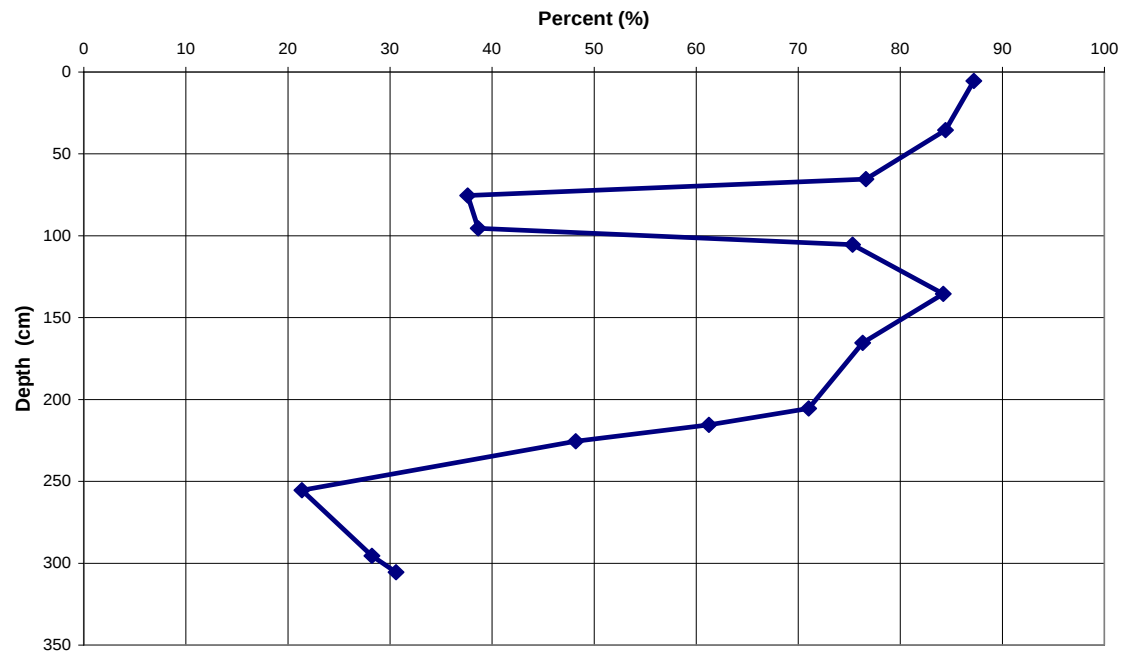
Table 4: Percent Finer table for core 4B

Station ID	Average Depth	Median Grain Size	Median Grain Size	Mean Grain Size	Mean Grain Size	Skewness	Sorting Index
	(cm)	(phi)	(mm)	(phi)	(mm)		
4B	1-10	3.243	0.1051	3.2493	0.1047	0.1742	0.4269
4B	31-40	3.132	0.1136	3.1145	0.1149	-0.2975	0.8527
4B	61-70	3.266	0.1035	3.3106	0.1003	0.2626	2.1117
4B	71-80						
4B	91-100						
4B	101-110	3.402	0.0941	3.5203	0.0867	0.6422	1.6660
4B	131-140	3.318	0.9980	3.3618	0.0968	0.2613	0.3796
4B	161-170	3.297	0.1013	3.4717	0.0897	0.6529	1.6327
4B	201-210	3.298	0.1012	3.5374	0.0857	0.6859	1.9218
4B	211-220	3.513	0.0871	5.5104	0.0217	0.8863	3.1848
4B	221-230						
4B	251-260						
4B	291-300						
4B	301-310						

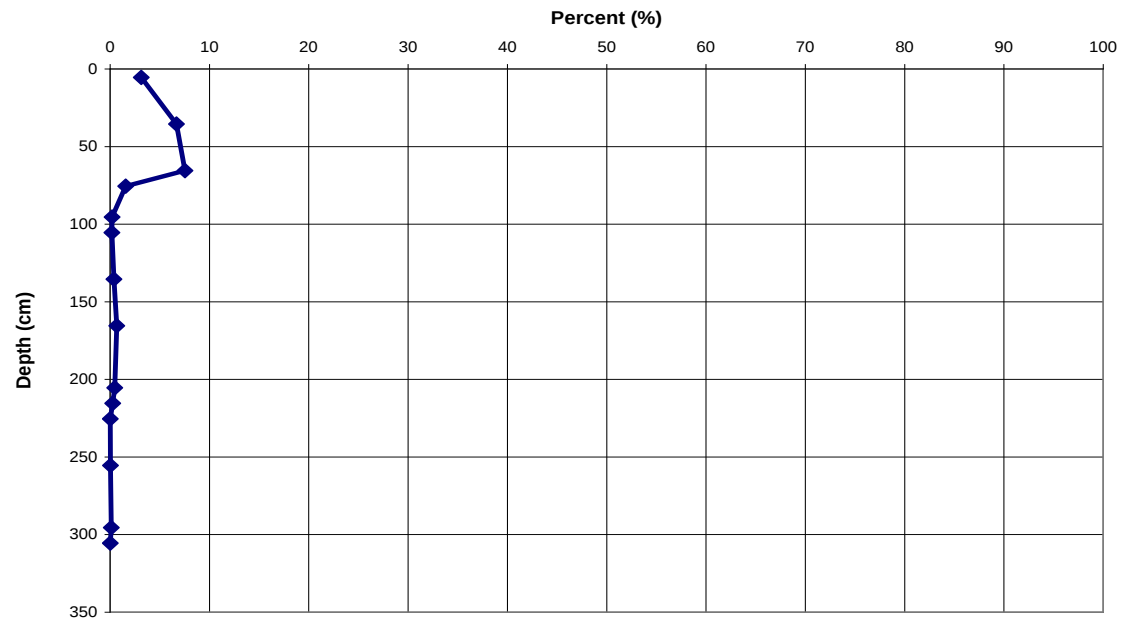
Table 5: Median Grain size, Mean grain size, Skewness and Sorting Index for core 4B



4B Percent Sand



4B Percent Shell



4B Mean Grain Size

