

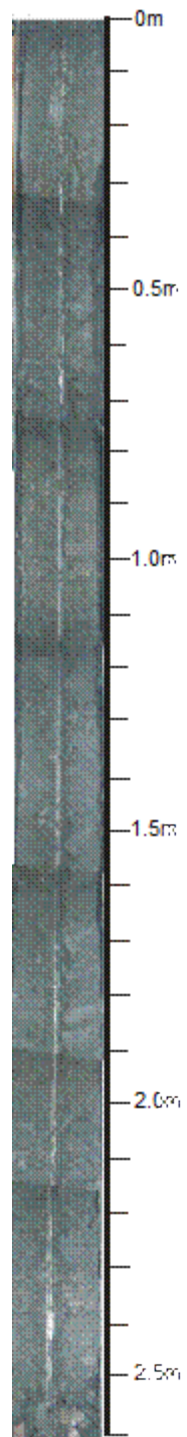
CORE 3B:

Core 3B was collected in a water depth of 6.2 m (20.5ft) (Table 1) and was 169cm (66.5in) long (Figures 1 & 9-11). A total of 8 grain size samples were taken at depths of 1-10cm (0.4-3.9in), 11-20cm (4.3-7.9in), 41-50cm (16.1-19.7in), 71-80cm (28-31.5in), 91-100cm (35.8-39.4in), 101-110cm (39.8-43.3in), 131-140cm (51.6-55.1in), and 161-164cm (63.4-64.6in). The grain size analyses revealed that the entire core remained above 81% sand and had a mean grain size ranging from 0.1029mm (3.3phi) to 0.1156mm (3.1phi).

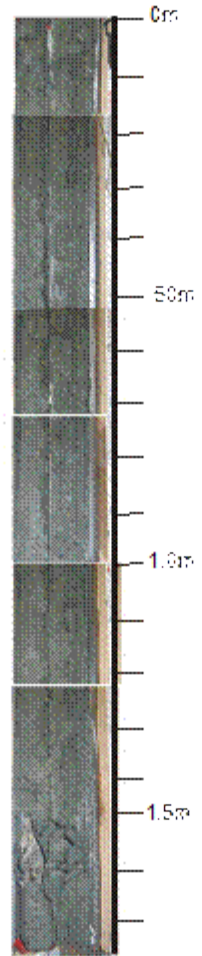
Sand and shell weights are shown in Table 7. Percent shell, sand, silt and clay are shown in Table 8. Median grain size, mean grain size, skewness and sorting index are shown in Table 11. Graphs of the results are located in Figures 12-15.

It was determined that core 3B had approximately 169cm (66.5in) of sediment that contained at least 50% sand, of which 100cm (39.4in) was located less than 1m (39.4in) in depth.

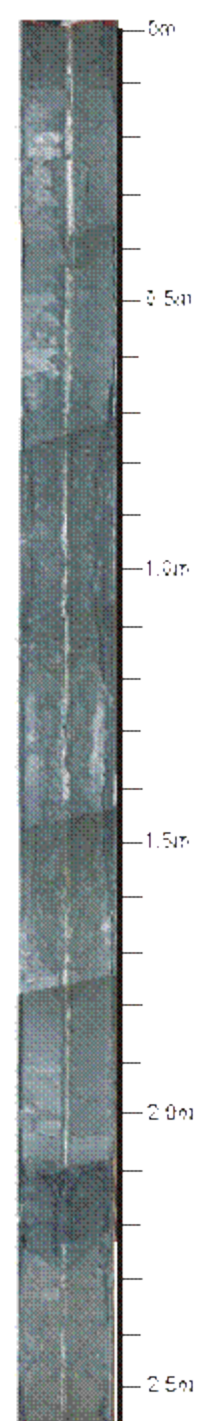
3A



3B



3C



Core Date: 07/09/2005

Core#: CC-3B

Core Date: 07/09/2005

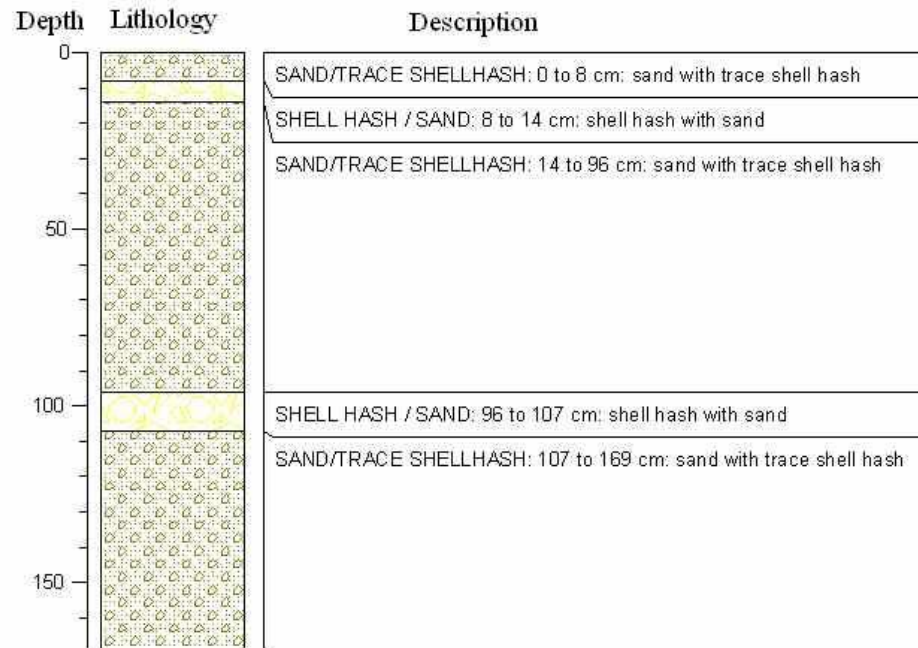
Date Split/subsampled	Length: 169 cm
08/18/2005	Lat: 21 17.923
	Long: 99 45.787

Date Split/subsampled	Length: 169 cm
08/18/2005	Lat: 21 17.923
	Long: 94 45.787

Centi-Meters	Munsell Soil Color	Depths Sampled	Description:
		<u>GS</u>	
	10-8	1-10cm	0-8 → SAND w/ TRACE SHELL
	5Y 4/1	11-20 cm	8-14 → SHELL HASH w/ SAND
	8-14	21-50cm	14-96 → SAND w/ TRACE SHELL HASH
	5Y 3/1	71-80cm	96-107 → SHELL HASH w/ SAND
	14-169	41-100cm	107-169 → SAND w/ TRACE SHELL HASH
	5Y 4/1	101-110cm	
		131-140cm	
		161-164cm	
		<u>WC</u>	
		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	

Centi-Meters		Munsell Soil Color	Depths Sampled	Description:
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				

Line 3 Site B



Core ID	Sample Depth (cm)	shell weight (g)	200+ weigh (g)t	200-230 weight (g)	overall sand weight (g)
3B	1-10	5.67	116.82	2.36	116.82
3B	11-20	7.29	118.87	2.28	118.87
3B	41-50	1.14	121.26	4.31	121.26
3B	71-80	1.41	122.27	4.41	122.27
3B	91-100	4.57	90.03	4.02	90.03
3B	101-110	6.11	124.57	3.09	124.57
3B	131-140	0.83	129.83	1.46	129.83
3B	161-164	1.08	117.38	1.47	117.38

Table 1: Shell and Sand weights for core 3B

Core ID	Sample Depth (cm)	% shell	% sand	%silt	%clay
3B	1-10	4.25	87.66	3.95	4.14
3B	11-20	5.10	83.09	4.31	7.51
3B	41-50	0.83	88.23	7.04	3.90
3B	71-80	1.02	88.20	6.94	3.85
3B	91-100	4.12	81.15	9.90	4.83
3B	101-110	4.12	84.03	6.94	4.91
3B	131-140	0.59	92.14	3.40	3.87
3B	161-164	0.85	92.28	3.68	3.19

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

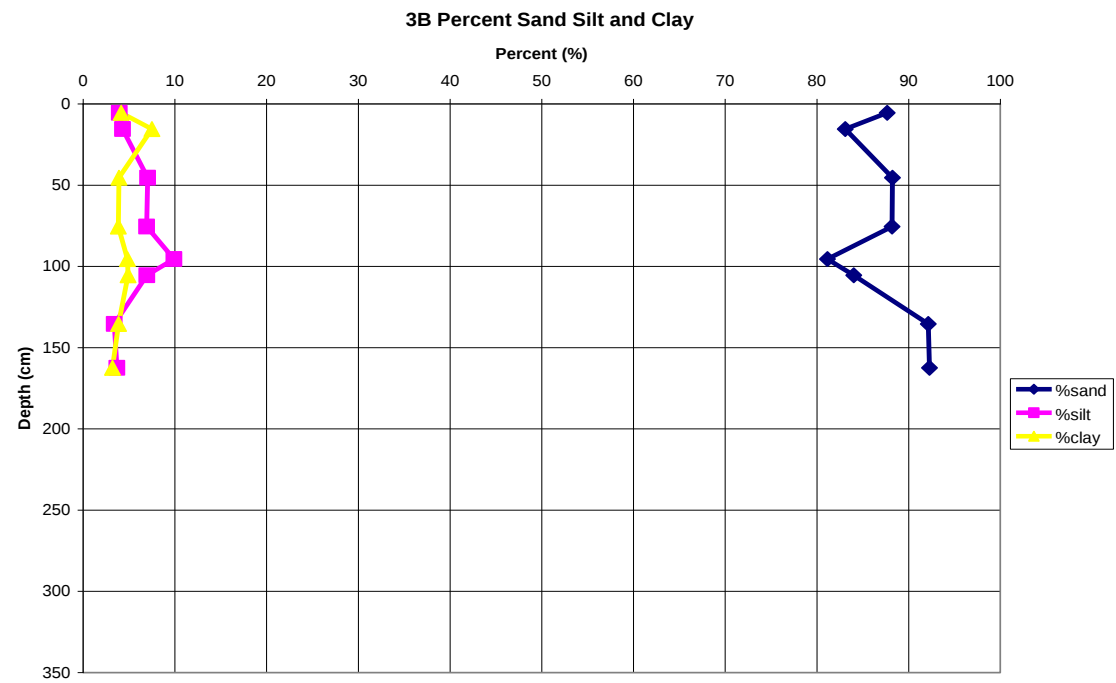
Core ID	Sample Depth (cm)	N10/ 2.0mm Screen Sample Weight (g)	N14/ 1.40mm Screen Sample Weight (g)	N18/ 1.00mm Screen Sample Weight (g)	N25/ 710µm Screen Sample Weight (g)	N35/ 500µm Screen Sample Weight (g)	N45/ 355µm Screen Sample Weight (g)	N60/ 250µm Screen Sample Weight (g)	N80/ 180µm Screen Sample 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
3B	1-10	2.26	1.21	0.94	0.62	0.36	0.28	0.50	1.47	41.09	67.09	6.67	2.36	1.16
3B	11-20	3.58	1.24	0.91	0.72	0.42	0.42	0.61	2.23	40.34	66.81	8.88	2.28	1.09
3B	41-50	0.23	0.29	0.19	0.16	0.09	0.18	0.43	1.18	33.81	77.27	8.57	4.31	3.36
3B	71-80	0.42	0.31	0.16	0.16	0.16	0.20	0.25	0.98	29.21	78.52	13.31	4.41	2.34
3B	91-100	0.69	0.98	0.88	0.77	0.68	0.57	0.82	1.85	18.18	60.06	9.12	4.02	2.85
3B	101-110	1.07	1.20	1.07	1.13	0.86	0.78	0.77	2.40	37.22	73.29	10.89	3.09	1.99
3B	131-140	0.21	0.09	0.08	0.09	0.13	0.23	0.56	0.99	46.97	75.29	6.02	1.46	1.17
3B	161-164	0.38	0.16	0.12	0.08	0.09	0.25	0.46	1.02	28.90	78.52	8.48	1.47	0.96

Table 3: RO-TAP data for core 3B

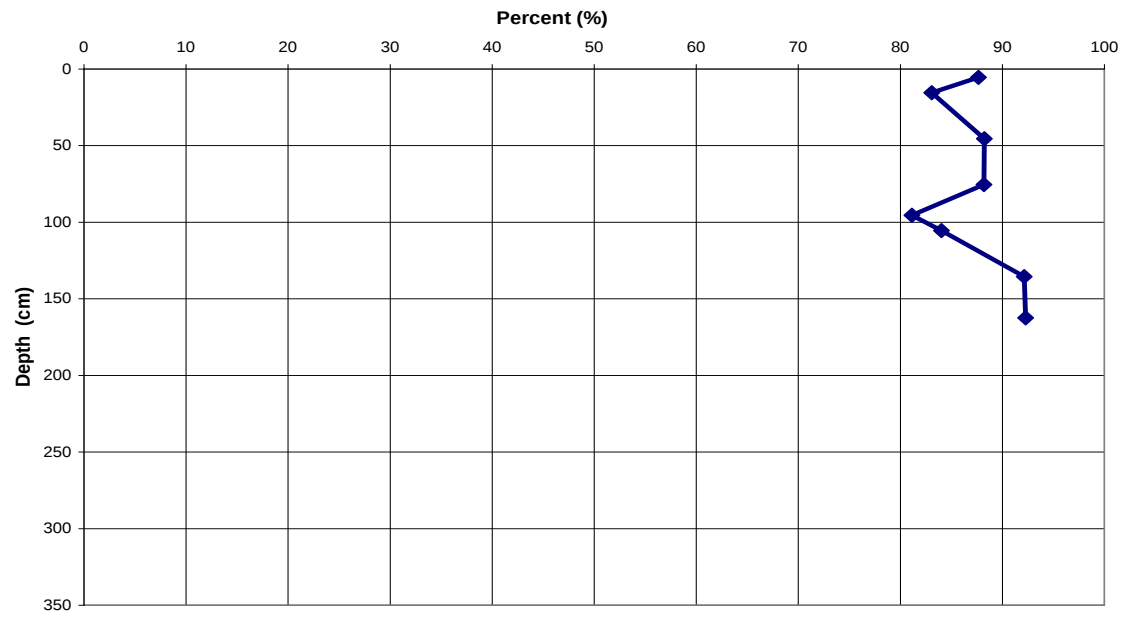
ASTM Classification		coarse sand	medium sand	medium sand	medium sand	medium sand	fine sand	fine sand	fine sand	fine sand	fine sand	fine sand	silt
Wentworth Classification		granule	very coarse sand	very coarse sand	coarse sand	coarse sand	medium sand	fine sand	fine sand	fine sand	very fine sand	very fine 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
3B	1-10	98.3	97.4	96.7	96.2	96.0	95.7	95.4	94.3	63.4	13.1	8.1	4.1
3B	11-20	97.5	96.6	96.0	95.5	95.2	94.9	94.5	92.9	64.7	18.0	11.8	7.5
3B	41-50	99.8	99.6	99.5	99.4	99.3	99.2	98.9	98.0	73.4	17.2	10.9	3.9
3B	71-80	99.7	99.5	99.4	99.2	99.1	99.0	98.8	98.1	77.0	20.4	10.8	3.8
3B	91-100	99.4	98.5	97.7	97.0	96.4	95.9	95.1	93.5	77.1	23.0	14.7	4.8
3B	101-110	99.3	98.5	97.7	97.0	96.4	95.9	95.4	93.7	68.6	19.2	11.8	4.9
3B	131-140	99.9	99.8	99.7	99.7	99.6	99.4	99.0	98.3	65.0	11.5	7.3	3.9
3B	161-164	99.7	99.6	99.5	99.4	99.3	99.2	98.8	98.0	75.3	13.5	6.9	3.2

Core ID	Sample Depth	Median Grain Size	Median Grain Size	Mean Grain Size	Mean Grain Size	Skewness	Sorting Index
	(cm)	(phi)	(mm)	(phi)	(mm)		
3B	1-10	3.121	0.1144	3.1067	0.1156	0.0899	0.4376
3B	11-20	3.145	0.1125	3.1419	0.1128	0.3230	1.7038
3B	41-50	3.193	0.1088	3.1967	0.1086	0.1641	0.4004
3B	71-80	3.229	0.1062	3.2397	0.1054	0.1886	0.4078
3B	91-100	3.240	0.1053	3.2738	0.1029	0.0954	0.5713
3B	101-110	3.177	0.1101	3.1764	0.1101	0.2157	0.6078
3B	131-140	3.125	0.1141	3.1168	0.1148	0.1666	0.4122
3B	161-164	3.194	0.1088	3.1888	0.1092	0.1473	0.3686

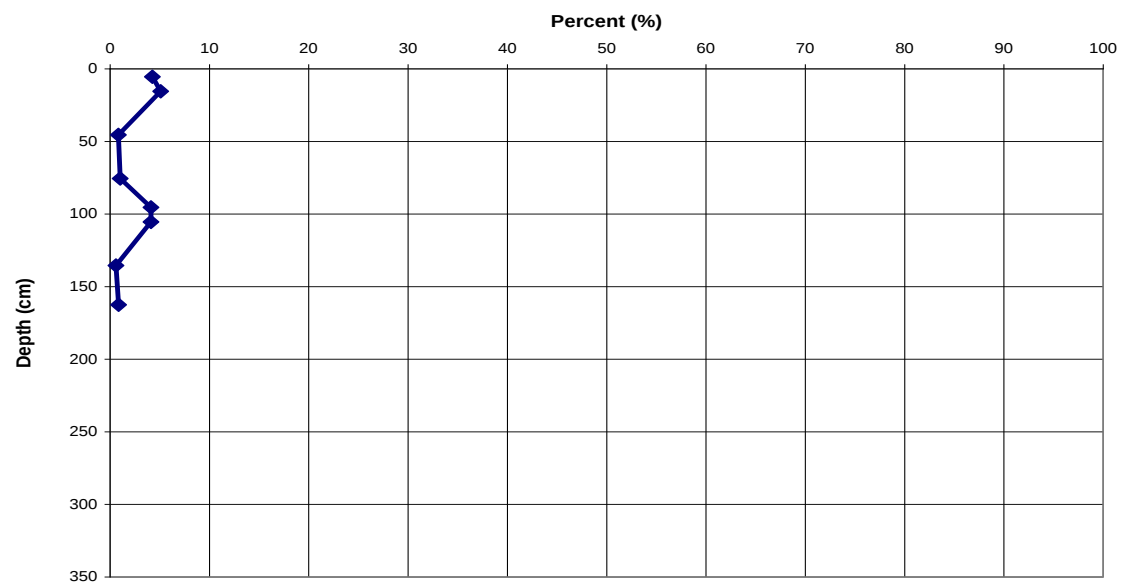
Table 4: Median grain size, Mean grain size, Skewness and Sorting Index for core 3B



3B Percent Sand



3B Percent Shell



3B Mean Grain Size

