

APPENDICES

Appendix A. LC-R1.

Table 1		10-Day Solid Phase Bioassay - Round 1 (Static)		Species: <i>A. abdita</i>	
		Initial Live Count: 20		Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival	
40	1.1	Atlantic Highlands Control	20		
32	1.2	20051071	20		
39	1.3		20		
27	1.4		20		
29	1.5		19	99%	
12	2.1	STN 15	20		
42	2.2	20051044	19		
24	2.3		20		
38	2.4		20		
6	2.5		20	99%	
9	3.1	STN 3	20		
2	3.2	20051045	20		
25	3.3		20		
4	3.4		20		
3	3.5		20	100%	
11	4.1	STN 10	20		
8	4.2	20051046	20		
18	4.3		20		
21	4.4		20		
41	4.5		20	100%	
44	5.1	STN 9	19		
16	5.2	20051047	20		
23	5.3		19		
22	5.4		20		
33	5.5		18	96%	
35	6.1	STN 2	20		
28	6.2	20051048	20		
1	6.3		20		
20	6.4		20		
30	6.5		20	100%	
36	7.1	STN 27	20		
7	7.2	20051057	19		
13	7.3		20		
37	7.4		20		
10	7.5		17	96%	
14	8.1	STN 13E	18		
31	8.2	20051065	20		
5	8.3		19		
34	8.4		20		
26	8.5		20	97%	
19	9.1	STN 13N	19		
15	9.2	20051066	20		
17	9.3		18		
43	9.4		20		
45	9.5		20	97%	

Appendix A. LC-R2.

Table 2		10-Day Solid Phase Bioassay - Round 2 (Static)		Species: <i>A. abdita</i>	
		Initial Live Count: 20		Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival	
31	1.1	Atlantic Highlands Control	20		
47	1.2	20051071	20		
18	1.3		20		
14	1.4		20		
9	1.5		20	100%	
22	2.1	STN 13W	20		
3	2.2	20051049	20		
21	2.3		20		
37	2.4		20		
30	2.5		20	100%	
7	3.1	STN 12	20		
33	3.2	20051050	20		
35	3.3		20		
4	3.4		20		
8	3.5		20	100%	
2	4.1	STN 49	20		
40	4.2	20051051	20		
12	4.3		20		
6	4.4		20		
25	4.5		20	100%	
26	5.1	STN 6	20		
10	5.2	20051052	20		
39	5.3		20		
29	5.4		19		
32	5.5		20	99%	
28	6.1	STN 5	18		
44	6.2	20051053	20		
1	6.3		20		
23	6.4		20		
42	6.5		20	98%	
45	7.1	STN 8	20		
11	7.2	20051054	20		
5	7.3		20		
38	7.4		20		
46	7.5		20	100%	
16	8.1	STN 25	20		
19	8.2	20051055	20		
43	8.3		20		
48	8.4		20		
34	8.5		20	100%	
20	9.1	STN 16	20		
27	9.2	20051056	20		
13	9.3		20		
36	9.4		19		
24	9.5		20	99%	
49	10.1	STN 26	20		
17	10.2	20051058	20		
41	10.3		20		
15	10.4		20		
50	10.5		20	100%	

Appendix A. LC-R3

Table 3 10-Day Solid Phase Bioassay - Round 3 (Static)			Species: <i>A. abdita</i>	
Initial Live Count: 20			Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival
29	1.1	Atlantic Highlands Control	18	
19	1.2	20051071	20	
53	1.3		20	
2	1.4		20	
13	1.5		15	93%
43	2.1	STN 1	20	
3	2.2	20051059	19	
52	2.3		20	
28	2.4		20	
31	2.5		16	95%
54	3.1	STN 4	19	
10	3.2	20051060	19	
34	3.3		18	
9	3.4		19	
33	3.5		20	95%
6	4.1	STN 14	20	
44	4.2	20051061	20	
21	4.3		17	
17	4.4		20	
16	4.5		20	97%
26	5.1	STN 18	20	
14	5.2	20051062	19	
7	5.3		18	
1	5.4		20	
15	5.5		19	96%
25	6.1	STN 22	20	
48	6.2	20051063	20	
8	6.3		20	
41	6.4		20	
42	6.5		20	100%
11	7.1	STN 17	20	
23	7.2	20051064	20	
47	7.3		20	
37	7.4		20	
12	7.5		20	100%
24	8.1	STN 11	19	
36	8.2	20051067	20	
22	8.3		19	
51	8.4		19	
27	8.5		20	97%
46	9.1	STN 13	20	
30	9.2	20051068	20	
39	9.3		20	
20	9.4		20	
40	9.5		20	100%
49	10.1	STN 7	19	
38	10.2	20051069	20	
4	10.3		20	
32	10.4		20	
18	10.5		19	98%
5	11.1	STN E0800	20	
35	11.2	20051070	17	
50	11.3		19	
45	11.4		16	
55	11.5		20	92%

Appendix A. LC-R4.

Table 4		10-Day Solid Phase Bioassay - Round 4 (Static)		Species: <i>A. abdita</i>	
continued		Initial Live Count: 20		Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival	
60	9.1	STN P3200	20		
57	9.2	20051079	20		
62	9.3		19		
41	9.4		20		
70	9.5		20	99%	
17	10.1	STN P2800	19		
42	10.2	20051080	20		
33	10.3		19		
72	10.4		19		
4	10.5		20	97%	
21	11.1	STN M1200	20		
45	11.2	20051082	18		
3	11.3		18		
78	11.4		20		
59	11.5		19	95%	
40	12.1	STN 28	16		
77	12.2	20051084	20		
68	12.3		20		
55	12.4		17		
31	12.5		20	93%	
36	13.1	STN K0800	20		
32	13.2	20051086	18		
54	13.3		17		
51	13.4		20		
71	13.5		20	95%	
39	14.1	STN 30	18		
7	14.2	20051087	19		
25	14.3		19		
66	14.4		19		
53	14.5		19	94%	
43	15.1	STN 33	20		
10	15.2	20051088	20		
5	15.3		20		
30	15.4		19		
73	15.5		20	99%	
61	16.1	STN 31	19		
8	16.2	20051089	19		
76	16.3		19		
15	16.4		20		
80	16.5		20	97%	

Appendix A. LC-R5.

Table 5 10-Day Solid Phase Bioassay - Round 5 (Static Renewal)			Species: <i>A. abdita</i>	
Initial Live Count: 20			Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival
7	1.1	Atlantic Highlands Control	20	
5	1.2	20051071	20	
3	1.3		20	
6	1.4		20	
13	1.5		20	100%
8	2.1	STN Q2400	19	
12	2.2	20051081	18	
15	2.3		20	
9	2.4		20	
18	2.5		20	97%
16	3.1	STN N2000	20	
2	3.2	20051085	20	
19	3.3		19	
14	3.4		20	
11	3.5		20	99%
10	4.1	STN H2000	19	
1	4.2	20051099	17	
17	4.3		20	
4	4.4		20	
20	4.5		20	96%

Appendix A. LC-R6.

Table 6 continued		10-Day Solid Phase Bioassay - Round 6 (Static)		Species: <i>A. abdita</i>	
		Initial Live Count: 20		Job #: 25-186	
Position #	Code	Sample	Final Live Count	Percent Survival	
68	9.1	STN 1600	20		
23	9.2	20051097	20		
73	9.3		20		
72	9.4		20		
79	9.5		20	100%	
27	10.1	STN I1200	20		
3	10.2	20051098	20		
24	10.3		20		
69	10.4		19		
63	10.5		18	97%	
30	11.1	STN 42	20		
51	11.2	20051100	16		
10	11.3		20		
55	11.4		17		
57	11.5		20	93%	
38	12.1	STN 37	20		
49	12.2	20051101	20		
4	12.3		19		
28	12.4		20		
19	12.5		20	99%	
33	13.1	STN 20	20		
25	13.2	20051102	20		
54	13.3		18		
77	13.4		20		
8	13.5		20	98%	
35	14.1	STN N3200	20		
37	14.2	20051104	18		
75	14.3		18		
48	14.4		19		
53	14.5		20	95%	
65	15.1	STN M2800	20		
11	15.2	20051105	20		
60	15.3		17		
14	15.4		20		
15	15.5		20	97%	
9	16.1	STN 24	20		
56	16.2	20051106	20		
59	16.3		20		
47	16.4		18		
80	16.5		19	97%	

Appendix B-1., continued.

Station	Replicate	Methane			OSI	Surface Roughness	Low DO	Comments	Sediment Present	Sediment Thickness (cm)
		Count	Mean	Depth						
97001	A	0	0	0	6	Physical	NO	DM>pen=remed material, red clay >pen, tubes, stick amps (Podoceridae), red sed @z, dense polys @z, shell frags	remediation material	4.36
97001	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, soft red clay >pen, dense tubes, void, sm poly @z, hydroid, stick amps, shell, red sed @z	remediation material	9.69
970010	B	0	0	0	5	Physical	NO	Cap material >pen (Category II), brn medium sand, sand ripple, RPD>pen, sm tubes?, brn floc @surf = deposited org matter	Cap Material	2.52
970010	C	0	0	0	3	Physical	NO	Cap material >pen(Category II), brn medium sand, brn floc @ surf = org detritus, sm tubes, sand ripple, RPD>pen	Cap Material	1.49
97002	A	0	0	0	7	Physical	NO	DM>pen=older remed material, tan/gy & blk sandy m, v red sed @z, dense Nucula, sm tubes, possible DM layering	remediation material	13.77
97002	B	0	0	0	7	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, v red sed @z, tubes, Nucula, filled voids, shell frag, fecal lysr, smearing artifact	remediation material	13.01
97003	A	0	0	0	7	Physical	NO	Ambient sand over relic DM (surprising given location)? distinct sand/mud stratigraphy, tan sand/blk sulfidic sand m, tubes, shell frags, poly @z	Ambient	0.00
97003	B	0	0	0	6	Physical	NO	Ambient fine sand>pen, tan/gy silty sand, shell frags, poly & Ampelisca tubes, variability w/in station, sm poly @z	Ambient	0.00
97004	A	0	0	0	5	Physical	NO	Cap sand >pen (1993), RPD>pen, brn org floc @ surf, sm tubes	Cap Material	2.95
97004	B	0	0	0	4	Physical	NO	Cap sand >pen (1993), brn fine sand, underpen, RPD>pen, brn floc @ surf= settled org detritus w/tubes	Cap Material	1.57
97005	A	0	0	0	5	Physical	NO	Ambient brn fine sand (1993 cap material>pen), underpen, RPD >pen, shell frags	Cap Material	2.55
97005	B	0	0	0	3	Physical	NO	Cap sand>pen (1993), underpen, wiper clasts, tubes, stick amp?, RPD>pen, org floc/detritus @ surf	Cap Material	1.40
97006	A	0	0	0	3	Physical	NO	Cap material (Category II), tan fine sand, underpen, RPD>pen, asymmetrical sand ripple, brn org floc patches @ surf	Cap Material	1.40
97006	C	0	0	0	5	Physical	NO	Cap material >pen(Category II), tan fine sand, brn org floc @ surf, asymmetrical sand ripple, shell frags, sm tubes, RPD >pen	Cap Material	2.17
97007	A	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/gy sand, irreg topo, polys @z, sm tubes	remediation material	2.63
97007	C	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/sandy m, tubes, clay clumps @ surf, ox & red clasts	remediation material	7.02
97008	A	0	0	0	10	Biogenic	NO	DM>pen=remed material, red clay mixed w/silty sand, burrow opening, void, tubes, lg poly @z, pebble-far	remediation material	5.97
97008	B	0	0	0	99	Biogenic	NO	DM>pen=remed material, red clay mixed w/blk sandy m, red sed @z, voids, burrow opening, tubes, red clasts, lg clay or brick pieces-far, sm polys @z	remediation material	7.45
97009	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay mixed w/sandy m, red clay clumps @ surf, thick poly tubes	remediation material	7.36
97009	B	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, dense thick surf tubes, stick amps (Podoceridae), sm voids, polys @z, fecal lyr	remediation material	10.39
20011	A	0	0	0	8	Physical	NO	DM>pen (older)=remed material, tan silty sand/tan & blk sandy m, red sed @z, red clast, tubes, stick amps, voids, poly @z, burrowing anemone or poly?	remediation material	10.47
20011	B	0	0	0	6	Physical	NO	DM>pen=older remed material, thin lyr of pebbles, clay, & brick/tan & blk sandy m, v red sed @z, void, sm tubes, wiper clasts, clay clumps-far?, DM layering	remediation material	10.28
200110	A	0	0	0	7	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, shell frags, pebbles @ surf, tubes, voids	remediation material	6.70
200110	B	0	0	0	99	Physical	NO	DM>pen=remed material, tan & blk sandy m, red sed @z, wiper clast, dist surf, flock lyr, red clay @ surf	remediation material	5.90
20012	A	0	0	0	8	Biogenic	NO	DM>pen= older remed material, tan/tan & blk sandy m, shell bits, red sed @z, sed layering (diff disposal events), burrow opening, tubes, ox clasts	remediation material	5.50
20012	B	0	0	0	8	Physical	NO	DM>pen=older remed material, tan/blk sandy m, red sed @z (bands=muliple DM lysr), sed layering, sm tubes, Nucula, burrow, poly @z, fecal lysr, surf rework	remediation material	5.60
20013	A	0	0	0	8	Physical	NO	DM>pen=older remed material, reddish tan/blk sulfidic sandy m, v red sed @z, shell bits, Nucula, void, v sm tubes, surf rework	remediation material	14.15
20013	C	0	0	0	5	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, v red sed @z, shell bits, tubes, red clasts	remediation material	14.97
20014	A	0	0	0	4	Biogenic	NO	DM>pen=oldervremed material, reddish tan/blk sandy m, shell frags, red sed @z, tubes, fecal lysr, surf rework, sm burrow openings, DM layering	remediation material	10.00
20014	B	0	0	0	7	Physical	NO	DM>pen=remed material, reddish tan/blk sandy m, red sed @z (faint banding=muliple DM lysr), tubes, ox & red clasts, poly @z, sm voids, shell bits, stick amp far	remediation material	9.00
20015	B	0	0	0	6	Biogenic	NO	DM>pen=remed material, blk sulfidic silt-clay, v red sed @z, no RPD?, tubes, shell frags, fecal lyr, burrows, voids, poly @z	remediation material	9.65
20015	C	0	0	0	3	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, wiper clasts, shells & shell frags, tubes, sand & shell @ surf=lag deposit?, filled voids?	remediation material	8.56
20016	B	0	0	0	7	Physical	NO	Ambient sand w/surf patches of red clay remed material, clay wiper clast, tubes, RPD>pen	Ambient	0.00
20017	B	0	0	0	8	Biogenic	NO	DM>pen=remed material, tan/blk sandy m w/significant red clay component, red sed @z, tubes, dense Nucula, void, wiper clast	remediation material	9.98
20017	C	0	0	0	7	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m w/significant red clay component, v red sed @z, red clasts, Nucula, void, m clumps-far	remediation material	8.02
20018	C	0	0	0	4	Physical	NO	DM>pen=remed material, multiple DM lysr, tan/blk sulfidic m, v red sed @z, red clasts, tubes, Nucula?, sm polys @z	remediation material	6.00
20018	D	0	0	0	7	Physical	NO	DM>pen=remed material, reddish-tan & blk silt-clay, wiper clasts, underpen, void, sm tubes, red clay influence	remediation material	1.78
20019	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay/tan sandy m, lg clay clump @ surf, flock lyr, shell frags, tubes	remediation material	6.04
20019	B	0	0	0	8	Physical	NO	DM>pen=remed material, tan/blk sulfidic silt-clay, v red sed @z, shell frags, sm tubes, sm voids, poly @z, surf rework	remediation material	7.94
20021	B	0	0	0	10	Physical	NO	DM>pen=remed material (some mixing w/ambient sand @surf), tan silty sand/gy & blk sandy m, v red sed @z, void, sm tubes, sm poly @z, lg poly tube	remediation material	14.88
20021	D	0	0	0	8	Physical	NO	DM>pen=remed material, surf lyr of ambient sand, tan fine sand/blk sulfidic sandy m, distinct sand over mud stratigraphy, v red sed @z, void, tubes, wiper clast	remediation material	2.00
200210	D	0	0	0	3	Biogenic	NO	DM>pen=remed material, mussel clusters/tan & gry sand mixed w/coarse sand, poorly sorted, burrow opening, crab @ surf, red sed @z, sm brick pieces?	remediation material	2.98
200210	E	0	0	0	99	Physical	NO	DM>pen=remed material, mussel clusters/brn sandy m & coarse sand, underpen, wiper clast, red sed @z, sm brick pieces, poorly sorted, crabs @ surf	remediation material	1.69
20022	A	0	0	0	9	Physical	NO	DM>pen= older remed material, tan/blk sulfidic sandy m, shell frags, distinct RPD, sm tubes, voids, some mixing w/ambient sand in upper 2-3 cm	remediation material	10.93
20022	B	0	0	0	99	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, wiper clasts-obscured RPD, shell bits, tubes, void	remediation material	10.66
20023	A	0	0	0	5	Physical	NO	Ambient fine sand w/fine-grained DM lyr in upper 3-4 cm, tan/blk silty sand, red sed @z, shell frags, anemone @ surf, tubes, sm poly @z	Relic DM Layer	4.00
20023	B	0	0	0	6	Physical	NO	Ambient fine sand/relic (pre-HARS) DM, tan silty sand/blk sandy m, v red sed @z, shell frags, sm tubes, unremediated station	Ambient	0.00
20024	A	0	0	0	8	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, dist surf, flock lyr, ox clasts, tubes, voids, burrows, shell bits	remediation material	15.27
20024	B	0	0	0	5	Physical	NO	DM>pen =remed material, tan/blk sulfidic sandy m, v red sed @z, shell frags, tubes, poly @z, Nucula?	remediation material	14.23
20025	F	0	0	0	99	Physical	NO	Hard bottom, underpen, rock & gravel=DM, brick pieces	remediation material	0.07
20026	A	0	0	0	3	Biogenic	NO	DM>pen=remed material, tan/blk med-coarse sand @ surf=winnowing of fines?, mussel (juvenile) cluster @ surf, mussels attached to long stick or diopatra tube	remediation material	2.93
20026	B	0	0	0	3	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, wiper clasts, v sm tubes, surf sand lyr=winnowing?	remediation material	5.34
20027	D	0	0	0	3	Physical	NO	DM>pen=remed material, coarse sand mixed w/tan & blk sandy m, poorly sorted, red sed @z, underpen, red clast, brick pieces?	remediation material	2.30
20027	G	0	0	0	3	Biogenic	NO	DM>pen=remed material, mussel bed w/brick over tan & blk coarse sand mixed w/sandy m, red sed @z	remediation material	1.90

Appendix B-1., continued.

Station	Replicate	Date	Time	Successional Stage	Grain Size (phi)			Benthic Habitat	Mud Clasts Present	Camera Penetration (cm)				Dredged Material Thickness (cm)			Redox Rebound Thickness (cm)			Apparent RPD Thickness (cm)		
					Min	Max	Maj Mode			Min	Max	Range	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
20028	C	8/29/2005	17:36:34	ST I	> 4 phi	0 phi	> 4 phi	SH.SI	FALSE	2.13	3.75	1.62	2.94	> 2.13	> 3.75	> 2.94	0	0	0	0.589999974	3.200000048	1.710000038
20028	F	9/3/2005	19:53:04	INDET	4 phi	< -1 phi	< -1 phi	SH.SI	FALSE	0.05	1.23	1.18	0.64	> 0.05	> 1.23	> 0.64	0	0	0	-99	-99	-99
20029	B	8/29/2005	17:43:53	INDET	N/A	N/A	N/A	HR	FALSE	0	0	0	0	0	0	0	0	0	-99	-99	-99	
20031	A	8/29/2005	15:18:28	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	8.12	8.81	0.69	8.47	> 8.12	> 8.81	> 8.47	0	0	0	0.400000006	2.579999924	2.099999905
20031	C	8/29/2005	15:20:33	ST I	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	6.01	6.74	0.73	6.38	> 6.01	> 6.74	> 6.38	0	0	0	-99	-99	-99
200310	A	8/29/2005	15:07:52	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	TRUE	4.25	5.82	1.57	5.03	> 4.25	> 5.82	> 5.03	0	0	0	0.219999999	1.990000001	0.970000029
200310	C	8/29/2005	15:09:29	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	6.88	7.95	1.07	7.41	> 6.88	> 7.95	> 7.41	0	0	0	0.439999998	2.910000086	1.980000019
20032	B	8/29/2005	15:28:55	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	11.66	12.56	0.9	12.11	> 11.66	> 12.56	> 12.11	0	0	0	0.479999998	3.460000038	2.369999886
20032	C	8/29/2005	15:29:39	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	9.71	10.06	0.35	9.89	> 9.71	> 10.06	> 9.89	0	0	0	0.259999999	2.980000019	1.700000048
20033	A	8/29/2005	15:37:22	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.96	6.31	1.35	5.64	> 4.96	> 6.31	> 5.64	0	0	0	0.850000024	3.460000038	2.700000048
20033	C	8/29/2005	15:39:04	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	0.83	3.16	2.33	2	> 0.83	> 3.16	> 2	0	0	0	-99	-99	-99
20034	A	8/30/2005	12:05:18	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.89	6.1	1.21	5.49	> 4.89	> 6.1	> 5.49	0	0	0	0.479999998	3.640000094	2.440000057
20034	B	8/30/2005	12:06:08	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	3.04	8.26	5.22	5.65	> 3.04	> 8.26	> 5.65	0	0	0	0.07	2.799999952	1.690000057
20035	B	8/30/2005	12:21:12	ST I	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	7.1	11.87	4.77	9.48	> 7.1	> 11.87	> 9.48	0	0	0	0.039999999	3.380000114	1.889999986
20035	C	8/30/2005	12:22:03	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.75	12.01	7.26	8.38	> 4.75	> 12.01	> 8.38	0	0	0	0.219999999	2.539999962	1.590000033
20036	A	8/30/2005	12:13:01	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	11.44	12.72	1.28	12.08	> 11.44	> 12.72	> 12.08	0	0	0	0.109999999	2.720000029	2.099999905
20036	B	8/30/2005	12:13:49	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.43	14.52	1.09	13.98	> 13.43	> 14.52	> 13.98	0	0	0	0.219999999	3.420000076	2.640000105
20037	A	8/30/2005	11:56:42	ST III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	8.97	12.34	3.37	10.66	> 8.97	> 12.34	> 10.66	0	0	0	1.690000057	5.739999771	4.269999981
20037	B	8/30/2005	11:57:41	ST II on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	11.91	13.18	1.27	12.55	> 11.91	> 13.18	> 12.55	0	0	0	0.629999995	3.380000114	2.670000076
20038	A	8/29/2005	18:58:02	ST II on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	14.57	14.93	0.36	14.75	> 14.57	> 14.93	> 14.75	0	0	0	1.100000024	3.789999962	3.230000019
20038	C	8/29/2005	18:59:48	ST III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	4.84	6.69	1.85	5.77	> 4.84	> 6.69	> 5.77	0	0	0	0.479999998	3.640000105	2.579999924
20039	B	8/29/2005	18:48:04	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	13.34	15.6	2.26	14.47	> 13.34	> 15.6	> 14.47	0	0	0	1.289999962	4.670000076	3.25
20041	A	8/30/2005	13:26:31	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	17.66	18.16	0.5	17.91	> 17.66	> 18.16	> 17.91	0	0	0	0.330000013	3.940000057	2.75
20041	B	8/30/2005	13:27:18	ST I on III	> 4 phi	1 phi	> 4 phi	UN.SI	FALSE	15.38	16.4	1.02	15.89	> 15.38	> 16.4	> 15.89	0	0	0	0.699999988	4.860000134	3.859999895
200410	A	9/2/2005	18:42:21	ST I	> 4 phi	0 phi	4 to 3 phi	UN.SS	TRUE	0.19	1.09	0.9	0.64	> 0.19	> 1.09	> 0.64	0	0	0	-99	-99	-99
200410	C	9/2/2005	18:46:46	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	2.16	5.39	3.23	3.78	> 2.16	> 5.39	> 3.78	0	0	0	0.150000006	3.269999981	1.919999957
20042	A	8/30/2005	13:02:14	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	2.75	3.82	1.07	3.28	> 2.75	> 3.82	> 3.28	0	0	0	0.519999981	3.720000029	2.890000105
20042	B	8/30/2005	13:03:05	ST I on III	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	5.79	8.62	2.83	7.2	> 5.79	> 8.62	> 7.2	0	0	0	0.109999999	4.269999981	2.170000076
20043	A	8/30/2005	13:33:26	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	14.43	14.81	0.38	14.62	> 14.43	> 14.81	> 14.62	0	0	0	0.150000006	2.609999895	1.419999957
20043	B	8/30/2005	13:34:22	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	10.85	12.04	1.19	11.44	> 10.85	> 12.04	> 11.44	0	0	0	0.219999999	3.529999971	1.889999986
20044	A	8/30/2005	13:40:43	ST I on III	> 4 phi	< -1 phi	> 4 phi	UN.SI	TRUE	0	6.77	6.77	3.38	> 0	> 6.77	> 3.38	0	0	0	0.039999999	3.380000114	1.370000005
20044	C	8/30/2005	13:42:25	ST I on III	> 4 phi	< -1 phi	4 to 3 phi	UN.SS	FALSE	4.82	7.76	2.94	6.29	> 4.82	> 7.76	> 6.29	0	0	0	0.150000006	3.609999895	2.029999971
20045	B	8/30/2005	20:14:55	INDET	< -1 phi	< -1 phi	< -1 phi	HR	FALSE	0	0	0	0	0	0	0	0	0	-99	-99	-99	
20045	C	8/30/2005	20:15:45	ST I	> 4 phi	< -1 phi	4 to 3 phi	UN.SS	FALSE	9.71	10.44	0.73	10.07	> 9.71	> 10.44	> 10.07	0	0	0	-99	-99	-99
20046	B	8/30/2005	20:23:14	INDET	N/A	N/A	N/A	HR	FALSE	0	0.6	0.6	0.3	> 0	> 0.6	> 0.3	0	0	0	-99	-99	-99
20046	C	8/30/2005	20:24:05	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	8.07	10.04	1.97	9.06	> 8.07	> 10.04	> 9.06	0	0	0	0.400000006	2.869999886	1.809999943
20047	B	8/30/2005	19:15:51	Azoic	> 4 phi	2 phi	4 to 3 phi	UN.SS	FALSE	10.14	10.85	0.71	10.5	> 10.14	> 10.85	> 10.5	0	0	0	-99	-99	-99
20047	C	8/30/2005	19:16:46	INDET	> 4 phi	< -1 phi	< -1 phi	HR	FALSE	0	0.52	0.52	0.26	> 0	> 0.52	> 0.26	0	0	0	-99	-99	-99
20048	A	8/30/2005	20:08:00	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	5.93	8.73	2.8	7.33	> 5.93	> 8.73	> 7.33	0	0	0	0.769999981	3.460000038	2.650000095
20048	B	8/30/2005	20:08:52	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	2.88	8.4	5.52	5.64	> 2.88	> 8.4	> 5.64	0	0	0	0.219999999	5.440000057	2.309999943
20049	A	8/30/2005	19:07:42	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	4.3	5.65	1.35	4.98	> 4.3	> 5.65	> 4.98	0	0	0	0.039999999	2.980000019	2.059999943
20049	B	8/30/2005	19:08:49	INDET	> 4 phi	< -1 phi	> 4 phi	HR	FALSE	0.33	3.32	2.99	1.82	> 0.33	> 3.32	> 1.82	0	0	0	-99	-99	-99
20051	A	8/29/2005	14:33:20	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.48	14.84	1.36	14.16	> 13.48	> 14.84	> 14.16	0	0	0	0.039999999	0.990000001	0.430000007
20051	C	8/29/2005	14:34:52	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.89	15.17	1.28	14.53	> 13.89	> 15.17	> 14.53	0	0	0	0.039999999	0.519999999	0.219999999
20052	D	8/29/2005	14:19:38	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	14.62	16.61	1.99	15.61	> 14.62	> 16.61	> 15.61	0	0	0	0.07	1.879999985	0.949999988
20052	F	8/29/2005	14:21:30	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	15.74	16.57	0.83	16.15	> 15.74	> 16.57	> 16.15	0	0	0	0.07	1.470000029	0.779999971
20053	A	8/29/2005	14:41:45	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SF	TRUE	15.74	17.21	1.47	16.47	> 15.74	> 17.21	> 16.47	0	0	0	0.039999999	1.029999971	0.490000001
20053	C	8/29/2005	14:43:23	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SF	FALSE	13.32	14.08	0.76	13.7	>								

Appendix B-1., continued.

Station	Replicate	Methane			OSI	Surface Roughness	Low DO	Comments	Sediment Present	Sediment Thickness (cm)
		Count	Mean Depth	Diam						
20028	C	0	0	0	4	Physical	NO	DM>pen=remed material, poorly sorted tan/gry sandy m mixed w/coarse sand & pebbles, juvenile mussels attached to solid object	remediation material	2.94
20028	F	0	0	0	99	Physical	NO	DM>pen=remed material, poorly sorted rock/silty sand, underpen, juvenile mussels attached to sm pebbles	remediation material	0.64
20029	B	0	0	0	99	Indeterminate	NO	Hard bottom, underpen, rocks=DM, mussels attached to rocks	remediation material	0.00
20031	A	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay, dense surf tubes, voids, Nucula, sm polys @z	remediation material	8.47
20031	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay, smeared image, camera artifact, tubes, poly @z	remediation material	6.38
200310	A	0	0	0	7	Physical	NO	DM>pen=remed material, red clay, voids, red clasts, rocks @ surf, sm polys @z, tubes	remediation material	5.03
200310	C	0	0	0	8	Physical	NO	DM>pen, red clay, tubes, voids	remediation material	7.41
20032	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay, dense surf tubes, burrow opening, fecal mound, voids, burrow	remediation material	12.11
20032	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay, tubes, burrow-opening, fecal mound, voids	remediation material	9.89
20033	A	0	0	0	9	Physical	NO	DM>pen=remed material, red clay, brick piece @ surf, Nucula?, sm tubes, voids, sm polys @z?, RPD measureable?	remediation material	5.64
20033	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay, underpen, clay clumps @ surf, shallow void	remediation material	2.00
20034	A	0	0	0	9	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, voids, tubes	remediation material	5.49
20034	B	0	0	0	8	Physical	NO	DM>pen=remed material, red clay, lg cohesive clay clumps @ surf, sm tubes, shallow void, burrow openings, sm poly @z	remediation material	5.65
20035	B	0	0	0	4	Physical	NO	DM>pen=remed material, semi-consolidated red clay, burrow opening, fecal lyr, sm tubes	remediation material	9.48
20035	C	0	0	0	8	Physical	NO	DM>pen=remed material, stiff red clay clump, filled void, sm tubes, surf rework	remediation material	8.38
20036	A	0	0	0	8	Physical	NO	DM>pen=remed material, red clay mixed w/ sandy m, extensive burrow system, polys @z, v sm tubes, filled voids	remediation material	12.08
20036	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/ blk sandy m, red sed @z, clay clasts, tubes, voids, burrow-opening, fecal lyr	remediation material	13.98
20037	A	0	0	0	11	Physical	NO	DM>pen=remed material, red clay, lg tubes, burrowing polys, sm void?, fecal lyrs, surf rework	remediation material	10.66
20037	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, semi-consolidated red clay>pen, dense surf tubes, stick amps, voids, burrow, fecal lyr	remediation material	12.55
20038	A	0	0	0	10	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, sm tubes, voids, red sed @z, Nucula, poly @z, burrow, shell frags	remediation material	14.75
20038	C	0	0	0	9	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, lg void, burrow, fecal lyr, sm polys @z, clay clump @ surf	remediation material	5.77
20039	B	0	0	0	10	Biogenic	NO	DM>pen=remed material, red clay >pen, dense lg surf tubes, voids, burrows-openings, fecal lyrs, surf rework	remediation material	14.47
20041	A	0	0	0	6	Physical	NO	DM>pen=remed material, reddish tan silty sand/blk sulfidic sandy m, v red sed @z (faint bands), amp & poly tubes, shell frags, 3 DM lyrs, Nucula?	remediation material	7.20
20041	B	0	0	0	11	Physical	NO	DM>pen=remed material, distinct sand over mud stratigraphy, tan sand/blk sulfidic sandy m, sm tubes, voids	remediation material	5.20
200410	A	0	0	0	99	Physical	NO	DM>pen=remed material, red clay mixed w/fine sand, underpen, sm pebbles & brick @ surf, red clasts, tube	remediation material	0.64
200410	C	0	0	0	4	Physical	NO	DM>pen=remed material, rock & clay chunks/red clay mixed w/ sandy m, dist surf, barnacles	remediation material	3.78
20042	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay mixed w/tan & blk sandy m, red sed @z, clay clumps/brick? @ surf, thick poly tubes, red clasts	remediation material	3.28
20042	B	0	0	0	8	Physical	NO	DM>pen=remed material, red clay mixed w/ tan and blk sandy m, v red sed @z, rocks @ surf, thick poly tubes, voids, burrow opening, shell frags	remediation material	7.20
20043	A	0	0	0	7	Physical	NO	DM>pen=remed material, sed layering - multiple DM lyrs - 2004 remed material/2003 material or 2004/2004?, reddish tan/blk sandy m, red sed @z, relic RPD, lg polys @z, sm void?, tubes	remediation material	5.50
20043	B	0	0	0	5	Physical	NO	DM>pen=remed material, reddish tan/blk sandy m, multiple DM lyrs, red sed @z, tubes, poly @z, stick amp	remediation material	11.44
20044	A	0	0	0	7	Biogenic	NO	DM>pen=remed material, reddish brn clay mixed w/blk sandy m, red sed @z, burrow opening, pebbles @ surf, red clasts, sm voids, poly @z	remediation material	3.38
20044	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, reddish tan silty sand & clay, red sed @z, rocks & pebbles @ surf, tubes, voids, burrow opening, heterogeneous DM	remediation material	6.29
20045	B	0	0	0	99	Indeterminate	NO	DM=rocks, hard bottom, underpen, sea stars	remediation material	0.00
20045	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay mixed w/ fine sand & sandy m, brick & rock @ surf, flock lyrs, red sed @z, tubes	remediation material	10.07
20046	B	0	0	0	99	Indeterminate	NO	DM>pen=remed material, underpen, cohesive red clay clump	remediation material	0.30
20046	C	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/blk sandy m, red sed @z, brick and rock (barnacle encrusted) @ surf, tubes	remediation material	9.06
20047	B	0	0	0	99	Indeterminate	NO	DM>pen=recent remed material, red clay mixed w/fine sand & blk sandy m, dist surf, red sed @z, shell frags	remediation material	10.50
20047	C	0	0	0	99	Physical	NO	DM>pen=recent remed material, underpen, red clay & rocks, wiper clast	remediation material	0.26
20048	A	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, dense surf tubes, voids, surf rework, fecal lyr?	remediation material	7.33
20048	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, v dense thick surf tubes, burrow opening, voids	remediation material	5.64
20049	A	0	0	0	4	Physical	NO	DM>pen=remed material, rocks & clay chunks/red clay, habitat type?, brick, burrow, dead barnacles	remediation material	4.98
20049	B	0	0	0	99	Indeterminate	NO	DM>pen=remed material, underpen, clay clumps & rock/clay, dead barnacle, sm brick pieces	remediation material	1.82
20051	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, v. thin RPD, red clasts, sm tubes, void, biogenic mound?, shrimp-far	remediation material	14.16
20051	C	0	0	0	2	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, little to no RPD, red clasts, sm tubes, bedform?	remediation material	14.53
20052	D	0	0	0	3	Physical	NO	Recent DM>pen=remed material, tan/blk sulfidic sandy m, ox clast, sm tubes, thin RPD	remediation material	15.61
20052	F	0	0	0	7	Physical	NO	Recent DM>pen=remed material, 2 layers of DM - tan/blk sulfidic sandy m, v red sed @z, red clasts, anoxic voids, sm tubes	remediation material	9.02
20053	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silty-clay, red sed @z, v. thin RPD, red clasts, voids, v sm tubes?, wiper clasts & RPD smearing	remediation material	16.47
20053	C	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, red sed @z, v thin RPD, wiper clasts, voids, sm tubes	remediation material	13.70
20054	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, 2 DM lyrs - tan/blk sulfidic silt-clay, v red sed @z, relic RPD, thin RPD, red clasts, sm tubes, void, poly @z, shell frags	remediation material	8.60
20054	C	0	0	0	6	Biogenic	NO	Recent DM>pen=remed material, gry & blk sulfidic silt-clay, v. thin & patchy RPD, voids, sm tubes, surf rework? dist surf	remediation material	9.64
20055	E	0	0	0	7	Physical	NO	Recent DM>pen=remed material, layering of DM-tan/blk sulfidic sandy m, v red sed @z, thin RPD, voids, sm tube, red clasts	remediation material	8.40
20055	F	0	0	0	99	Indeterminate	NO	Recent DM>pen=remed material, multiple DM layers - tan/blk sulfidic sandy m, v red sed @z, surf obscured by wiper blade, voids, m clumps-far	remediation material	3.30
NOREMED1	B	0	0	0	7	Physical	NO	Ambient muddy fine sand>pen, reddish tan silty sand, dense Nucula, shell frags, RPD>pen	Ambient	0.00
NOREMED1	C	0	0	0	5	Physical	NO	Ambient muddy fine sand>pen, reddish tan silty sand, underpen, dense Nucula @ surf, RPD>pen	Ambient	0.00
NOREMED2	A	0	0	0	8	Physical	NO	Relic DM>pen, tan/blk sandy m, red sed @z, tubes, stick amp (Podoceraeae), sm shallow void	Relic DM Layer	8.48
NOREMED2	B	0	0	0	7	Biogenic	NO	Relic DM>pen, tan/blk sandy m, red sed @z, shell bits, tubes, amp tube, burrow opening, lg void or burrow, sm poly @z, crab-far	Relic DM Layer	7.65
NOREMED3	A	0	0	0	4	Physical	NO	Ambient brn silty sand, shell frags, underpen, RPD>pen, sm tubes, org floc @ surf	Ambient	0.00
NOREMED3	B	0	0	0	3	Physical	NO	Ambient brn silty sand, underpen, RPD>pen, sm tubes, org floc @ surf	Ambient	0.00
NOREMED4	A	0	0	0	2	Physical	NO	Ambient tan fine sand, underpen, RPD>pen	Ambient	0.00
NOREMED4	B	0	0	0	6	Physical	NO	Ambient fine sand >pen, brn silty sand, underpen, sm tubes, org floc deposition, RPD>pen	Ambient	0.00
NOREMED5	A	0	0	0	3	Physical	NO	Relic DM>pen, tan/blk sandy m, red sed @z, wiper clasts-obscured RPD, sm tubes, Nucula?	Relic DM Layer	5.52
NOREMED5	B	0	0	0	8	Biogenic	NO	Relic DM>pen, tan/blk sandy m, red sed @z, sm void, shell frag, sm tubes, burrow opening, sm ox & red clasts	Relic DM Layer	4.99

Appendix B-2. Sediment-Profile Imaging Data from the Supplemental 60 Stations of the Summer 2005 Survey at the HARS.

Station	Replicate	Date	Time	Successional Stage	Grain Size (phi)			Benthic Habitat	Mud Clasts Present	Camera Penetration (cm)				Dredged Material Thickness (cm)			Redox Rebound Thickness (cm)			Apparent RPD Thickness (cm)		
					Min	Max	Maj Mode			Min	Max	Range	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
97001	A	8/29/2005	19:09:08	ST II	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	4.22	4.51	0.29	4.36	> 4.22	> 4.51	> 4.36	0	0	0	0.15000006	2.43000067	1.71000038
97001	C	8/29/2005	19:13:24	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	TRUE	9.47	9.92	0.45	9.69	> 9.47	> 9.92	> 9.69	0	0	0	0.519999981	2.910000086	1.950000048
970010	B	9/3/2005	16:59:00	ST I	4 phi	2 phi	3 to 2 phi	SA.M	FALSE	1.9	3.13	1.23	2.52	0	0	0	0	0	0	> 1.9	> 3.13	> 2.52
970010	C	9/3/2005	16:59:57	ST I	> 4 phi	1 phi	3 to 2 phi	SA.M	FALSE	0	2.97	2.97	1.49	0	0	0	0	0	0	> 0	> 2.97	> 1.49
97002	A	8/29/2005	19:49:45	ST II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	13.57	13.98	0.41	13.77	> 13.57	> 13.98	> 13.77	0	0	0	0.479999998	3.130000114	2.359999985
97002	B	8/29/2005	19:50:42	ST II to III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	12.51	13.51	1	13.01	> 12.51	> 13.51	> 13.01	0	0	0	0.400000006	2.940000057	1.570000052
97003	A	8/29/2005	19:32:06	ST I	> 4 phi	1 phi	3 to 2 phi	UN.SS	FALSE	8.81	9.81	1	9.31	0	0	0	0	0	0	2.019999981	6.880000114	5.690000057
97003	B	8/29/2005	19:33:01	ST I to II	> 4 phi	2 phi	4 to 3 phi	UN.SS	FALSE	4.41	5.08	0.67	4.74	0	0	0	0	0	0	0.660000026	3.680000067	2.890000105
97004	A	8/30/2005	18:49:01	ST I	> 4 phi	2 phi	3 to 2 phi	SA.F	FALSE	2.45	3.46	1.01	2.95	0	0	0	0	0	0	> 2.45	> 3.46	> 2.95
97004	B	8/30/2005	18:49:48	ST I	> 4 phi	2 phi	3 to 2 phi	SA.F	FALSE	1.33	1.8	0.47	1.57	0	0	0	0	0	0	> 1.33	> 1.8	> 1.57
97005	A	8/30/2005	18:56:53	ST I	> 4 phi	2 phi	3 to 2 phi	SA.F	FALSE	2.37	2.73	0.36	2.55	0	0	0	0	0	0	> 2.37	> 2.73	> 2.55
97005	B	8/30/2005	18:57:47	ST I	> 4 phi	2 phi	3 to 2 phi	UN.SS	FALSE	1.07	1.74	0.67	1.4	0	0	0	0	0	0	> 1.07	> 1.74	> 1.4
97006	A	9/3/2005	17:06:06	ST I	> 4 phi	2 phi	3 to 2 phi	SA.F	FALSE	1.19	1.61	0.42	1.4	0	0	0	0	0	0	> 1.19	> 1.61	> 1.4
97006	C	9/3/2005	17:07:58	ST I	> 4 phi	2 phi	3 to 2 phi	SA.F	FALSE	1.85	3.37	1.52	2.61	0	0	0	0	0	0	> 1.85	> 3.37	> 2.61
97007	A	9/3/2005	15:41:51	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	0.9	4.37	3.47	2.63	> 0.9	> 4.37	> 2.63	0	0	0	0.330000013	3.309999943	1.620000005
97007	C	9/3/2005	15:43:35	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	5.51	8.52	3.01	7.02	> 5.51	> 8.52	> 7.02	0	0	0	0.660000026	3.680000067	2.140000105
97008	A	9/3/2005	15:51:22	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	4.16	7.78	3.62	5.97	> 4.16	> 7.78	> 5.97	0	0	0	0.769999981	5.920000076	3.390000105
97008	B	9/3/2005	15:52:23	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	TRUE	6.88	8.02	1.14	7.45	> 6.88	> 8.02	> 7.45	0	0	0	-99	-99	-99
97009	A	9/3/2005	16:14:49	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	7.07	7.64	0.57	7.36	> 7.07	> 7.64	> 7.36	0	0	0	0.400000006	4.639999866	2.880000114
97009	B	9/3/2005	16:15:41	ST II on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	9.9	10.87	0.97	10.39	> 9.9	> 10.87	> 10.39	0	0	0	0.180000007	3.019999981	1.840000033
20011	A	9/3/2005	18:08:27	ST II on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	10.28	10.66	0.38	10.47	> 10.28	> 10.66	> 10.47	0	0	0	0.400000006	2.650000095	1.75
20011	B	9/3/2005	18:09:20	ST I on III	> 4 phi	0 phi	> 4 phi	UN.SI	FALSE	9.81	10.76	0.95	10.28	> 9.81	> 10.76	> 10.28	0	0	0	0.039999999	1.289999962	0.639999986
200110	A	8/29/2005	15:57:33	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	6.22	7.19	0.97	6.7	> 6.22	> 7.19	> 6.7	0	0	0	0.039999999	1.769999981	0.839999974
200110	B	8/29/2005	15:58:30	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	4.79	7.02	2.23	5.9	> 4.79	> 7.02	> 5.9	0	0	0	-99	-99	-99
20012	A	8/30/2005	14:11:47	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	16.38	17.23	0.85	16.81	> 16.38	> 17.23	> 16.81	0	0	0	0.439999998	3.049999952	1.850000024
20012	B	8/30/2005	14:12:38	ST II to III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	15.22	15.52	0.3	15.37	> 15.22	> 15.52	> 15.37	0	0	0	0.879999995	3.269999981	2.380000114
20013	A	8/30/2005	13:55:06	ST II on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	13.98	14.32	0.34	14.15	> 13.98	> 14.32	> 14.15	0	0	0	0.920000017	2.910000086	2.099999905
20013	C	8/30/2005	13:57:08	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	14.65	15.28	0.63	14.97	> 14.65	> 15.28	> 14.97	0	0	0	0.519999981	2.609999895	1.549999952
20014	A	8/30/2005	13:48:23	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	14.51	15.03	0.52	14.77	> 14.51	> 15.03	> 14.77	0	0	0	0.519999981	2.319999933	1.370000005
20014	B	8/30/2005	13:49:16	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	14.81	15.45	0.64	15.13	> 14.81	> 15.45	> 15.13	0	0	0	0.07	2.019999981	1
20015	B	8/29/2005	15:48:01	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	9.33	9.97	0.64	9.65	> 9.33	> 9.97	> 9.65	0	0	0	0.039999999	0.219999999	0.180000007
20015	C	8/29/2005	15:48:57	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	8.14	8.97	0.83	8.56	> 8.14	> 8.97	> 8.56	0	0	0	0.07	2.799999952	1.470000029
20016	B	8/30/2005	12:46:48	ST I	> 4 phi	2 phi	4 to 3 phi	UN.SS	FALSE	4.39	5.53	1.14	4.96	0	0	0	0	0	0	> 4.39	> 5.53	> 4.96
20017	B	8/29/2005	18:32:30	ST II on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	9.68	10.28	0.6	9.98	> 9.68	> 10.28	> 9.98	0	0	0	0.330000013	3.640000105	2.039999962
20017	C	8/29/2005	18:33:19	ST II on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	7.83	8.21	0.38	8.02	> 7.83	> 8.21	> 8.02	0	0	0	0.039999999	2.980000019	0.980000019
20018	C	8/29/2005	16:25:52	ST I	> 4 phi	3 phi	> 4 phi	UN.SI	TRUE	9.43	10.16	0.73	9.8	> 9.43	> 10.16	> 9.8	0	0	0	0.150000006	3.349999905	2.220000029
20018	D	8/29/2005	16:26:45	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	1.21	2.35	1.14	1.78	> 1.21	> 2.35	> 1.78	0	0	0	0.180000007	1.990000001	1.070000052
20019	A	8/29/2005	16:16:10	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	4.01	8.07	4.06	6.04	> 4.01	> 8.07	> 6.04	0	0	0	0.039999999	3.200000048	2.609999985
20019	B	8/29/2005	16:17:10	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	6.96	8.92	1.96	7.94	> 6.96	> 8.92	> 7.94	0	0	0	0.219999999	3.309999943	2.190000057
20021	B	9/3/2005	18:59:25	ST I on III	> 4 phi	1 phi	> 4 phi	UN.SI	FALSE	14.38	15.38	1	14.88	> 14.38	> 15.38	> 14.88	0	0	0	0.810000002	4.449999809	3.160000086
20021	D	9/3/2005	19:01:01	ST I on III	> 4 phi	1 phi	> 4 phi	UN.SI	FALSE	15.38	16	0.62	15.69	> 15.38	> 16	> 15.69	0	0	0	0.330000013	2.170000076	1.740000001
200210	D	9/3/2005	20:07:49	ST I	> 4 phi	0 phi	> 4 phi	SH.SI	FALSE	2.18	3.78	1.6	2.98	> 2.18	> 3.78	> 2.98	0	0	0	0.259999999	2.910000086	1.379999995
200210	E	9/3/2005	20:08:48	INDET	> 4 phi	0 phi	2 to 1 phi	SH.SI	FALSE	1.02	2.37	1.35	1.69	> 1.02	> 2.37	> 1.69	0	0	0	-99	-99	-99
20022	A	9/3/2005	17:28:24	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	10.61	11.25	0.64	10.93	> 10.61	> 11.25	> 10.93	0	0	0	0.479999989	3.269999981	2.369999986
20022	B	9/3/2005	17:29:13	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	10.33	10.99	0.66	10.66	> 10.33	> 10.99	> 10.66	0	0	0	-99	-99	-99
20023	A	9/3/2005	18:19:49	ST I	> 4 phi	2 phi	4 to 3 phi	UN.SI	FALSE	6.26	6.83	0.57	6.55	0	0	0	0	0	0	0.150000006	3.490000001	3
20023	B	9/3/2005	18:20:39	ST I	> 4 phi	2 phi	3 to 2 phi	UN.SS	FALSE	5.13	7.36	2.23	6.24	0	0	0	0	0	0	0.589999974	4.380000114	3.450000048
20024	A	8/30/2005	20:29:35	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SF	TRUE	14.88	15.66	0.78	15.27	> 14.88	> 15.66	> 15.27	0	0	0	0.289999992	2.539999962	1.690000057
20																						

Appendix B-2., continued.

Station	Replicate	Methane			OSI	Surface Roughness	Low DO	Comments	Sediment Present	Sediment Thickness (cm)
		Count	Mean	Depth						
97001	A	0	0	0	6	Physical	NO	DM>pen=remed material, red clay >pen, tubes, stick amps (Podoceridae), red sed @z, dense polys @z, shell frags	remediation material	4.36
97001	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, soft red clay >pen, dense tubes, void, sm poly @z, hydroid, stick amps, shell, red sed @z	remediation material	9.69
970010	B	0	0	0	5	Physical	NO	Cap material >pen (Category II), brn medium sand, sand ripple, RPD>pen, sm tubes?, brn floc @surf = deposited org matter	Cap Material	2.52
970010	C	0	0	0	3	Physical	NO	Cap material >pen(Category II), brn medium sand, brn floc @ surf = org detritus, sm tubes, sand ripple, RPD>pen	Cap Material	1.49
97002	A	0	0	0	7	Physical	NO	DM>pen=older remed material, tan/gy & blk sandy m, v red sed @z, dense Nucula, sm tubes, possible DM layering	remediation material	13.77
97002	B	0	0	0	7	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, v red sed @z, tubes, Nucula, filled voids, shell frag, fecal lysr, smearing artifact	remediation material	13.01
97003	A	0	0	0	7	Physical	NO	Ambient sand over relic DM (surprising given location)? distinct sand/mud stratigraphy, tan sand/blk sulfidic sand m, tubes, shell frags, poly @z	Ambient	0.00
97003	B	0	0	0	6	Physical	NO	Ambient fine sand>pen, tan/gy silty sand, shell frags, poly & Ampelisca tubes, variability w/in station, sm poly @z	Ambient	0.00
97004	A	0	0	0	5	Physical	NO	Cap sand >pen (1993), RPD>pen, brn org floc @ surf, sm tubes	Cap Material	2.95
97004	B	0	0	0	4	Physical	NO	Cap sand >pen (1993), brn fine sand, underpen, RPD>pen, brn floc @ surf= settled org detritus w/tubes	Cap Material	1.57
97005	A	0	0	0	5	Physical	NO	Ambient brn fine sand (1993 cap material>pen), underpen, RPD >pen, shell frags	Cap Material	2.55
97005	B	0	0	0	3	Physical	NO	Cap sand>pen (1993), underpen, wiper clasts, tubes, stick amp?, RPD>pen, org floc/detritus @ surf	Cap Material	1.40
97006	A	0	0	0	3	Physical	NO	Cap material (Category II), tan fine sand, underpen, RPD>pen, asymmetrical sand ripple, brn org floc patches @ surf	Cap Material	1.40
97006	C	0	0	0	5	Physical	NO	Cap material >pen(Category II), tan fine sand, brn org floc @ surf, asymmetrical sand ripple, shell frags, sm tubes, RPD >pen	Cap Material	2.17
97007	A	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/gy sand, irreg topo, polys @z, sm tubes	remediation material	2.63
97007	C	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/sandy m, tubes, clay clumps @ surf, ox & red clasts	remediation material	7.02
97008	A	0	0	0	10	Biogenic	NO	DM>pen=remed material, red clay mixed w/silty sand, burrow opening, void, tubes, lg poly @z, pebble-far	remediation material	5.97
97008	B	0	0	0	99	Biogenic	NO	DM>pen=remed material, red clay mixed w/blk sandy m, red sed @z, voids, burrow opening, tubes, red clasts, lg clay or brick pieces-far, sm polys @z	remediation material	7.45
97009	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay mixed w/sandy m, red clay clumps @ surf, thick poly tubes	remediation material	7.36
97009	B	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, dense thick surf tubes, stick amps (Podoceridae), sm voids, polys @z, fecal lyr	remediation material	10.39
20011	A	0	0	0	8	Physical	NO	DM>pen (older)=remed material, tan silty sand/tan & blk sandy m, red sed @z, red clast, tubes, stick amps, voids, poly @z, burrowing anemone or poly?	remediation material	10.47
20011	B	0	0	0	6	Physical	NO	DM>pen=older remed material, thin lyr of pebbles, clay, & brick/tan & blk sandy m, v red sed @z, void, sm tubes, wiper clasts, clay clumps-far?, DM layering	remediation material	10.28
200110	A	0	0	0	7	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, shell frags, pebbles @ surf, tubes, voids	remediation material	6.70
200110	B	0	0	0	99	Physical	NO	DM>pen=remed material, tan & blk sandy m, red sed @z, wiper clast, dist surf, flock lyr, red clay @ surf	remediation material	5.90
20012	A	0	0	0	8	Biogenic	NO	DM>pen= older remed material, tan/tan & blk sandy m, shell bits, red sed @z, sed layering (diff disposal events), burrow opening, tubes, ox clasts	remediation material	5.50
20012	B	0	0	0	8	Physical	NO	DM>pen=older remed material, tan/blk sandy m, red sed @z (bands=muliple DM lysr), sed layering, sm tubes, Nucula, burrow, poly @z, fecal lysr, surf rework	remediation material	5.60
20013	A	0	0	0	8	Physical	NO	DM>pen=older remed material, reddish tan/blk sulfidic sandy m, v red sed @z, shell bits, Nucula, void, v sm tubes, surf rework	remediation material	14.15
20013	C	0	0	0	5	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, v red sed @z, shell bits, tubes, red clasts	remediation material	14.97
20014	A	0	0	0	4	Biogenic	NO	DM>pen=oldervremed material, reddish tan/blk sandy m, shell frags, red sed @z, tubes, fecal lysr, surf rework, sm burrow openings, DM layering	remediation material	10.00
20014	B	0	0	0	7	Physical	NO	DM>pen=remed material, reddish tan/blk sandy m, red sed @z (faint banding=muliple DM lysr), tubes, ox & red clasts, poly @z, sm voids, shell bits, stick amp far	remediation material	9.00
20015	B	0	0	0	6	Biogenic	NO	DM>pen=remed material, blk sulfidic silt-clay, v red sed @z, no RPD?, tubes, shell frags, fecal lyr, burrows, voids, poly @z	remediation material	9.65
20015	C	0	0	0	3	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, wiper clasts, shells & shell frags, tubes, sand & shell @ surf=lag deposit?, filled voids?	remediation material	8.56
20016	B	0	0	0	7	Physical	NO	Ambient sand w/surf patches of red clay remed material, clay wiper clast, tubes, RPD>pen	Ambient	0.00
20017	B	0	0	0	8	Biogenic	NO	DM>pen=remed material, tan/blk sandy m w/significant red clay component, red sed @z, tubes, dense Nucula, void, wiper clast	remediation material	9.98
20017	C	0	0	0	7	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m w/significant red clay component, v red sed @z, red clasts, Nucula, void, m clumps-far	remediation material	8.02
20018	C	0	0	0	4	Physical	NO	DM>pen=remed material, multiple DM lysr, tan/blk sulfidic m, v red sed @z, red clasts, tubes, Nucula?, sm polys @z	remediation material	6.00
20018	D	0	0	0	7	Physical	NO	DM>pen=remed material, reddish-tan & blk silt-clay, wiper clasts, underpen, void, sm tubes, red clay influence	remediation material	1.78
20019	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay/tan sandy m, lg clay clump @ surf, flock lyr, shell frags, tubes	remediation material	6.04
20019	B	0	0	0	8	Physical	NO	DM>pen=remed material, tan/blk sulfidic silt-clay, v red sed @z, shell frags, sm tubes, sm voids, poly @z, surf rework	remediation material	7.94
20021	B	0	0	0	10	Physical	NO	DM>pen=remed material (some mixing w/ambient sand @surf), tan silty sand/gy & blk sandy m, v red sed @z, void, sm tubes, sm poly @z, lg poly tube	remediation material	14.88
20021	D	0	0	0	8	Physical	NO	DM>pen=remed material, surf lyr of ambient sand, tan fine sand/blk sulfidic sandy m, distinct sand over mud stratigraphy, v red sed @z, void, tubes, wiper clast	remediation material	2.00
200210	D	0	0	0	3	Biogenic	NO	DM>pen=remed material, mussel clusters/tan & gry sand mixed w/coarse sand, poorly sorted, burrow opening, crab @ surf, red sed @z, sm brick pieces?	remediation material	2.98
200210	E	0	0	0	99	Physical	NO	DM>pen=remed material, mussel clusters/brn sandy m & coarse sand, underpen, wiper clast, red sed @z, sm brick pieces, poorly sorted, crabs @ surf	remediation material	1.69
20022	A	0	0	0	9	Physical	NO	DM>pen= older remed material, tan/blk sulfidic sandy m, shell frags, distinct RPD, sm tubes, voids, some mixing w/ambient sand in upper 2-3 cm	remediation material	10.93
20022	B	0	0	0	99	Physical	NO	DM>pen=older remed material, tan/blk sulfidic sandy m, wiper clasts-obscured RPD, shell bits, tubes, void	remediation material	10.66
20023	A	0	0	0	5	Physical	NO	Ambient fine sand w/fine-grained DM lyr in upper 3-4 cm, tan/blk silty sand, red sed @z, shell frags, anemone @ surf, tubes, sm poly @z	Relic DM Layer	4.00
20023	B	0	0	0	6	Physical	NO	Ambient fine sand/relic (pre-HARS) DM, tan silty sand/blk sandy m, v red sed @z, shell frags, sm tubes, unremediated station	Ambient	0.00
20024	A	0	0	0	8	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, dist surf, flock lyr, ox clasts, tubes, voids, burrows, shell bits	remediation material	15.27
20024	B	0	0	0	5	Physical	NO	DM>pen =remed material, tan/blk sulfidic sandy m, v red sed @z, shell frags, tubes, poly @z, Nucula?	remediation material	14.23
20025	F	0	0	0	99	Physical	NO	Hard bottom, underpen, rock & gravel=DM, brick pieces	remediation material	0.07
20026	A	0	0	0	3	Biogenic	NO	DM>pen=remed material, tan/blk med-coarse sand @ surf=winnowing of fines?, mussel (juvenile) cluster @ surf, mussels attached to long stick or diopatra tube	remediation material	2.93
20026	B	0	0	0	3	Physical	NO	DM>pen=remed material, tan/blk sulfidic sandy m, v red sed @z, wiper clasts, v sm tubes, surf sand lyr=winnowing?	remediation material	5.34
20027	D	0	0	0	3	Physical	NO	DM>pen=remed material, coarse sand mixed w/tan & blk sandy m, poorly sorted, red sed @z, underpen, red clast, brick pieces?	remediation material	2.30
20027	G	0	0	0	3	Biogenic	NO	DM>pen=remed material, mussel bed w/brick over tan & blk coarse sand mixed w/sandy m, red sed @z	remediation material	1.90

Appendix B-2., continued.

Station	Replicate	Date	Time	Successional Stage	Grain Size (phi)			Benthic Habitat	Mud Clasts Present	Camera Penetration (cm)				Dredged Material Thickness (cm)			Redox Rebound Thickness (cm)			Apparent RPD Thickness (cm)		
					Min	Max	Maj Mode			Min	Max	Range	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
20028	C	8/29/2005	17:36:34	ST I	> 4 phi	0 phi	> 4 phi	SH.SI	FALSE	2.13	3.75	1.62	2.94	> 2.13	> 3.75	> 2.94	0	0	0	0.589999974	3.200000048	1.710000038
20028	F	9/3/2005	19:53:04	INDET	4 phi	< -1 phi	< -1 phi	SH.SI	FALSE	0.05	1.23	1.18	0.64	> 0.05	> 1.23	> 0.64	0	0	0	-99	-99	-99
20029	B	8/29/2005	17:43:53	INDET	N/A	N/A	N/A	HR	FALSE	0	0	0	0	0	0	0	0	0	0	-99	-99	-99
20031	A	8/29/2005	15:18:28	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	8.12	8.81	0.69	8.47	> 8.12	> 8.81	> 8.47	0	0	0	0.400000006	2.579999924	2.099999905
20031	C	8/29/2005	15:20:33	ST I	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	6.01	6.74	0.73	6.38	> 6.01	> 6.74	> 6.38	0	0	0	-99	-99	-99
200310	A	8/29/2005	15:07:52	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	TRUE	4.25	5.82	1.57	5.03	> 4.25	> 5.82	> 5.03	0	0	0	0.219999999	1.990000001	0.970000029
200310	C	8/29/2005	15:09:29	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	6.88	7.95	1.07	7.41	> 6.88	> 7.95	> 7.41	0	0	0	0.439999998	2.910000086	1.980000019
20032	B	8/29/2005	15:28:55	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	11.66	12.56	0.9	12.11	> 11.66	> 12.56	> 12.11	0	0	0	0.479999998	3.460000038	2.369999886
20032	C	8/29/2005	15:29:39	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	9.71	10.06	0.35	9.89	> 9.71	> 10.06	> 9.89	0	0	0	0.259999999	2.980000019	1.700000048
20033	A	8/29/2005	15:37:22	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.96	6.31	1.35	5.64	> 4.96	> 6.31	> 5.64	0	0	0	0.850000024	3.460000038	2.700000048
20033	C	8/29/2005	15:39:04	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	0.83	3.16	2.33	2	> 0.83	> 3.16	> 2	0	0	0	-99	-99	-99
20034	A	8/30/2005	12:05:18	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.89	6.1	1.21	5.49	> 4.89	> 6.1	> 5.49	0	0	0	0.479999998	3.309999943	2.440000057
20034	B	8/30/2005	12:06:08	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	3.04	8.26	5.22	5.65	> 3.04	> 8.26	> 5.65	0	0	0	0.07	2.799999952	1.690000057
20035	B	8/30/2005	12:21:12	ST I	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	7.1	11.87	4.77	9.48	> 7.1	> 11.87	> 9.48	0	0	0	0.039999999	3.380000114	1.889999986
20035	C	8/30/2005	12:22:03	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	4.75	12.01	7.26	8.38	> 4.75	> 12.01	> 8.38	0	0	0	0.219999999	2.539999962	1.590000033
20036	A	8/30/2005	12:13:01	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	11.44	12.72	1.28	12.08	> 11.44	> 12.72	> 12.08	0	0	0	0.109999999	2.720000029	2.099999905
20036	B	8/30/2005	12:13:49	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.43	14.52	1.09	13.98	> 13.43	> 14.52	> 13.98	0	0	0	0.219999999	3.420000076	2.640000105
20037	A	8/30/2005	11:56:42	ST III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	8.97	12.34	3.37	10.66	> 8.97	> 12.34	> 10.66	0	0	0	1.690000057	5.739999771	4.269999981
20037	B	8/30/2005	11:57:41	ST II on III	> 4 phi	3 phi	> 4 phi	UN.SF	FALSE	11.91	13.18	1.27	12.55	> 11.91	> 13.18	> 12.55	0	0	0	0.629999995	3.380000114	2.670000076
20038	A	8/29/2005	18:58:02	ST II on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	14.57	14.93	0.36	14.75	> 14.57	> 14.93	> 14.75	0	0	0	1.100000024	3.789999962	3.230000019
20038	C	8/29/2005	18:59:48	ST III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	4.84	6.69	1.85	5.77	> 4.84	> 6.69	> 5.77	0	0	0	0.479999998	3.640000105	2.579999924
20039	B	8/29/2005	18:48:04	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	13.34	15.6	2.26	14.47	> 13.34	> 15.6	> 14.47	0	0	0	1.289999962	4.670000076	3.25
20041	A	8/30/2005	13:26:31	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	17.66	18.16	0.5	17.91	> 17.66	> 18.16	> 17.91	0	0	0	0.330000013	3.940000057	2.75
20041	B	8/30/2005	13:27:18	ST I on III	> 4 phi	1 phi	> 4 phi	UN.SI	FALSE	15.38	16.4	1.02	15.89	> 15.38	> 16.4	> 15.89	0	0	0	0.699999998	4.860000134	3.859999895
200410	A	9/2/2005	18:22:11	ST I	> 4 phi	0 phi	4 to 3 phi	UN.SS	TRUE	0.19	1.09	0.9	0.64	> 0.19	> 1.09	> 0.64	0	0	0	-99	-99	-99
200410	C	9/2/2005	18:46:46	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	2.16	5.39	3.23	3.78	> 2.16	> 5.39	> 3.78	0	0	0	0.150000006	3.269999981	1.919999957
20042	A	8/30/2005	13:02:14	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	2.75	3.82	1.07	3.28	> 2.75	> 3.82	> 3.28	0	0	0	0.519999981	3.720000029	2.890000105
20042	B	8/30/2005	13:03:05	ST I on III	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	5.79	8.62	2.83	7.2	> 5.79	> 8.62	> 7.2	0	0	0	0.109999999	4.269999981	2.170000076
20043	A	8/30/2005	13:33:26	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	14.43	14.81	0.38	14.62	> 14.43	> 14.81	> 14.62	0	0	0	0.150000006	2.609999895	1.419999957
20043	B	8/30/2005	13:34:22	ST I to II	> 4 phi	2 phi	> 4 phi	UN.SI	FALSE	10.85	12.04	1.19	11.44	> 10.85	> 12.04	> 11.44	0	0	0	0.219999999	3.529999971	1.889999986
20044	A	8/30/2005	13:40:43	ST I on III	> 4 phi	< -1 phi	> 4 phi	UN.SI	TRUE	0	6.77	6.77	3.38	> 0	> 6.77	> 3.38	0	0	0	0.039999999	3.380000114	1.370000005
20044	C	8/30/2005	13:42:25	ST I on III	> 4 phi	< -1 phi	4 to 3 phi	UN.SS	FALSE	4.82	7.76	2.94	6.29	> 4.82	> 7.76	> 6.29	0	0	0	0.150000006	3.609999895	2.029999971
20045	B	8/30/2005	20:14:55	INDET	< -1 phi	< -1 phi	< -1 phi	HR	FALSE	0	0	0	0	0	0	0	0	0	0	-99	-99	-99
20045	C	8/30/2005	20:15:45	ST I	> 4 phi	< -1 phi	4 to 3 phi	UN.SS	FALSE	9.71	10.44	0.73	10.07	> 9.71	> 10.44	> 10.07	0	0	0	-99	-99	-99
20046	B	8/30/2005	20:23:14	INDET	N/A	N/A	N/A	HR	FALSE	0	0.6	0.6	0.3	> 0	> 0.6	> 0.3	0	0	0	-99	-99	-99
20046	C	8/30/2005	20:24:05	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	8.07	10.04	1.97	9.06	> 8.07	> 10.04	> 9.06	0	0	0	0.400000006	2.869999886	1.809999943
20047	B	8/30/2005	19:15:51	Azoic	> 4 phi	2 phi	4 to 3 phi	UN.SS	FALSE	10.14	10.85	0.71	10.5	> 10.14	> 10.85	> 10.5	0	0	0	-99	-99	-99
20047	C	8/30/2005	19:16:46	INDET	> 4 phi	< -1 phi	< -1 phi	HR	FALSE	0	0.52	0.52	0.26	> 0	> 0.52	> 0.26	0	0	0	-99	-99	-99
20048	A	8/30/2005	20:08:00	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	5.93	8.73	2.8	7.33	> 5.93	> 8.73	> 7.33	0	0	0	0.769999981	3.460000038	2.650000095
20048	B	8/30/2005	20:08:52	ST I on III	> 4 phi	3 phi	> 4 phi	UN.SI	FALSE	2.88	8.4	5.52	5.64	> 2.88	> 8.4	> 5.64	0	0	0	0.219999999	5.440000057	2.309999943
20049	A	8/30/2005	19:07:42	ST I	> 4 phi	< -1 phi	> 4 phi	UN.SI	FALSE	4.3	5.65	1.35	4.98	> 4.3	> 5.65	> 4.98	0	0	0	0.039999999	2.980000019	2.059999943
20049	B	8/30/2005	19:08:49	INDET	> 4 phi	< -1 phi	> 4 phi	HR	FALSE	0.33	3.32	2.99	1.82	> 0.33	> 3.32	> 1.82	0	0	0	-99	-99	-99
20051	A	8/29/2005	14:33:20	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.48	14.84	1.36	14.16	> 13.48	> 14.84	> 14.16	0	0	0	0.039999999	0.990000001	0.430000007
20051	C	8/29/2005	14:34:52	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	13.89	15.17	1.28	14.53	> 13.89	> 15.17	> 14.53	0	0	0	0.039999999	0.519999999	0.219999999
20052	D	8/29/2005	14:19:38	ST I	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	14.62	16.61	1.99	15.61	> 14.62	> 16.61	> 15.61	0	0	0	0.07	1.879999985	0.949999988
20052	F	8/29/2005	14:21:30	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SI	TRUE	15.74	16.57	0.83	16.15	> 15.74	> 16.57	> 16.15	0	0	0	0.07	1.470000029	0.779999971
20053	A	8/29/2005	14:41:45	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SF	TRUE	15.74	17.21	1.47	16.47	> 15.74	> 17.21	> 16.47	0	0	0	0.039999999	1.029999971	0.490000001
20053	C	8/29/2005	14:43:23	ST I on III	> 4 phi	2 phi	> 4 phi	UN.SF	FALSE	13.32	14.08	0.76	13.7	> 13.32								

Appendix B-2., continued.

Station	Replicate	Methane			OSI	Surface Roughness	Low DO	Comments	Sediment Present	Sediment Thickness (cm)
		Count	Mean Depth	Diam						
20028	C	0	0	0	4	Physical	NO	DM>pen=remed material, poorly sorted tan/gry sandy m mixed w/coarse sand & pebbles, juvenile mussels attached to solid object	remediation material	2.94
20028	F	0	0	0	99	Physical	NO	DM>pen=remed material, poorly sorted rock/silty sand, underpen, juvenile mussels attached to sm pebbles	remediation material	0.64
20029	B	0	0	0	99	Indeterminate	NO	Hard bottom, underpen, rocks=DM, mussels attached to rocks	remediation material	0.00
20031	A	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay, dense surf tubes, voids, Nucula, sm polys @ z	remediation material	8.47
20031	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay, smeared image, camera artifact, tubes, poly @z	remediation material	6.38
200310	A	0	0	0	7	Physical	NO	DM>pen=remed material, red clay, voids, red clasts, rocks @ surf, sm polys @z, tubes	remediation material	5.03
200310	C	0	0	0	8	Physical	NO	DM>pen, red clay, tubes, voids	remediation material	7.41
20032	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay, dense surf tubes, burrow opening, fecal mound, voids, burrow	remediation material	12.11
20032	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, red clay, tubes, burrow-opening, fecal mound, voids	remediation material	9.89
20033	A	0	0	0	9	Physical	NO	DM>pen=remed material, red clay, brick piece @ surf, Nucula?, sm tubes, voids, sm polys @z?, RPD measureable?	remediation material	5.64
20033	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay, underpen, clay clumps @ surf, shallow void	remediation material	2.00
20034	A	0	0	0	9	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, voids, tubes	remediation material	5.49
20034	B	0	0	0	8	Physical	NO	DM>pen=remed material, red clay, lg cohesive clay clumps @ surf, sm tubes, shallow void, burrow openings, sm poly @z	remediation material	5.65
20035	B	0	0	0	4	Physical	NO	DM>pen=remed material, semi-consolidated red clay, burrow opening, fecal lyr, sm tubes	remediation material	9.48
20035	C	0	0	0	8	Physical	NO	DM>pen=remed material, stiff red clay clump, filled void, sm tubes, surf rework	remediation material	8.38
20036	A	0	0	0	8	Physical	NO	DM>pen=remed material, red clay mixed w/ sandy m, extensive burrow system, polys @z, v sm tubes, filled voids	remediation material	12.08
20036	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/ blk sandy m, red sed @z, clay clasts, tubes, voids, burrow-opening, fecal lyr	remediation material	13.98
20037	A	0	0	0	11	Physical	NO	DM>pen=remed material, red clay, lg tubes, burrowing polys, sm void?, fecal lyrs, surf rework	remediation material	10.66
20037	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, semi-consolidated red clay>pen, dense surf tubes, stick amps, voids, burrow, fecal lyr	remediation material	12.55
20038	A	0	0	0	10	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, sm tubes, voids, red sed @z, Nucula, poly @z, burrow, shell frags	remediation material	14.75
20038	C	0	0	0	9	Physical	NO	DM>pen=remed material, semi-consolidated red clay >pen, lg void, burrow, fecal lyr, sm polys @z, clay clump @ surf	remediation material	5.77
20039	B	0	0	0	10	Biogenic	NO	DM>pen=remed material, red clay >pen, dense lg surf tubes, voids, burrows-openings, fecal lyrs, surf rework	remediation material	14.47
20041	A	0	0	0	6	Physical	NO	DM>pen=remed material, reddish tan silty sand/blk sulfidic sandy m, v red sed @z (faint bands), amp & poly tubes, shell frags, 3 DM lyrs, Nucula?	remediation material	7.20
20041	B	0	0	0	11	Physical	NO	DM>pen=remed material, distinct sand over mud stratigraphy, tan sand/blk sulfidic sandy m, sm tubes, voids	remediation material	5.20
200410	A	0	0	0	99	Physical	NO	DM>pen=remed material, red clay mixed w/fine sand, underpen, sm pebbles & brick @ surf, red clasts, tube	remediation material	0.64
200410	C	0	0	0	4	Physical	NO	DM>pen=remed material, rock & clay chunks/red clay mixed w/ sandy m, dist surf, barnacles	remediation material	3.78
20042	A	0	0	0	5	Physical	NO	DM>pen=remed material, red clay mixed w/tan & blk sandy m, red sed @z, clay clumps/brick? @ surf, thick poly tubes, red clasts	remediation material	3.28
20042	B	0	0	0	8	Physical	NO	DM>pen=remed material, red clay mixed w/ tan and blk sandy m, v red sed @z, rocks @ surf, thick poly tubes, voids, burrow opening, shell frags	remediation material	7.20
20043	A	0	0	0	7	Physical	NO	DM>pen=remed material, sed layering - multiple DM lyrs - 2004 remed material/2003 material or 2004/2004?, reddish tan/blk sandy m, red sed @z, relic RPD, lg polys @z, sm void?, tubes	remediation material	5.50
20043	B	0	0	0	5	Physical	NO	DM>pen=remed material, reddish tan/blk sandy m, multiple DM lyrs, red sed @z, tubes, poly @z, stick amp	remediation material	11.44
20044	A	0	0	0	7	Biogenic	NO	DM>pen=remed material, reddish brn clay mixed w/blk sandy m, red sed @z, burrow opening, pebbles @ surf, red clasts, sm voids, poly @z	remediation material	3.38
20044	C	0	0	0	8	Biogenic	NO	DM>pen=remed material, reddish tan silty sand & clay, red sed @z, rocks & pebbles @ surf, tubes, voids, burrow opening, heterogeneous DM	remediation material	6.29
20045	B	0	0	0	99	Indeterminate	NO	DM=rocks, hard bottom, underpen, sea stars	remediation material	0.00
20045	C	0	0	0	99	Physical	NO	DM>pen=remed material, red clay mixed w/ fine sand & sandy m, brick & rock @ surf, flock lyrs, red sed @z, tubes	remediation material	10.07
20046	B	0	0	0	99	Indeterminate	NO	DM>pen=remed material, underpen, cohesive red clay clump	remediation material	0.30
20046	C	0	0	0	4	Physical	NO	DM>pen=remed material, red clay mixed w/blk sandy m, red sed @z, brick and rock (barnacle encrusted) @ surf, tubes	remediation material	9.06
20047	B	0	0	0	99	Indeterminate	NO	DM>pen=recent remed material, red clay mixed w/fine sand & blk sandy m, dist surf, red sed @z, shell frags	remediation material	10.50
20047	C	0	0	0	99	Physical	NO	DM>pen=recent remed material, underpen, red clay & rocks, wiper clast	remediation material	0.26
20048	A	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, dense surf tubes, voids, surf rework, fecal lyr?	remediation material	7.33
20048	B	0	0	0	9	Biogenic	NO	DM>pen=remed material, red clay mixed w/sandy m, v dense thick surf tubes, burrow opening, voids	remediation material	5.64
20049	A	0	0	0	4	Physical	NO	DM>pen=remed material, rocks & clay chunks/red clay, habitat type?, brick, burrow, dead barnacles	remediation material	4.98
20049	B	0	0	0	99	Indeterminate	NO	DM>pen=remed material, underpen, clay clumps & rock/clay, dead barnacle, sm brick pieces	remediation material	1.82
20051	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, v. thin RPD, red clasts, sm tubes, void, biogenic mound?, shrimp-far	remediation material	14.16
20051	C	0	0	0	2	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, little to no RPD, red clasts, sm tubes, bedform?	remediation material	14.53
20052	D	0	0	0	3	Physical	NO	Recent DM>pen=remed material, tan/blk sulfidic sandy m, ox clast, sm tubes, thin RPD	remediation material	15.61
20052	F	0	0	0	7	Physical	NO	Recent DM>pen=remed material, 2 layers of DM - tan/blk sulfidic sandy m, v red sed @z, red clasts, anoxic voids, sm tubes	remediation material	9.02
20053	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silty-clay, red sed @z, v. thin RPD, red clasts, voids, v sm tubes?, wiper clasts & RPD smearing	remediation material	16.47
20053	C	0	0	0	6	Physical	NO	Recent DM>pen=remed material, gry & blk silt-clay, red sed @z, v thin RPD, wiper clasts, voids, sm tubes	remediation material	13.70
20054	A	0	0	0	6	Physical	NO	Recent DM>pen=remed material, 2 DM lyrs - tan/blk sulfidic silt-clay, v red sed @z, relic RPD, thin RPD, red clasts, sm tubes, void, poly @z, shell frags	remediation material	8.60
20054	C	0	0	0	6	Biogenic	NO	Recent DM>pen=remed material, gry & blk sulfidic silt-clay, v. thin & patchy RPD, voids, sm tubes, surf rework? dist surf	remediation material	9.64
20055	E	0	0	0	7	Physical	NO	Recent DM>pen=remed material, layering of DM-tan/blk sulfidic sandy m, v red sed @z, thin RPD, voids, sm tube, red clasts	remediation material	8.40
20055	F	0	0	0	99	Indeterminate	NO	Recent DM>pen=remed material, multiple DM layers - tan/blk sulfidic sandy m, v red sed @z, surf obscured by wiper blade, voids, m clumps-far	remediation material	3.30
NOREMED1	B	0	0	0	7	Physical	NO	Ambient muddy fine sand>pen, reddish tan silty sand, dense Nucula, shell frags, RPD>pen	Ambient	0.00
NOREMED1	C	0	0	0	5	Physical	NO	Ambient muddy fine sand>pen, reddish tan silty sand, underpen, dense Nucula @ surf, RPD>pen	Ambient	0.00
NOREMED2	A	0	0	0	8	Physical	NO	Relic DM>pen, tan/blk sandy m, red sed @z, tubes, stick amp (Podocerae), sm shallow void	Relic DM Layer	8.48
NOREMED2	B	0	0	0	7	Biogenic	NO	Relic DM>pen, tan/blk sandy m, red sed @z, shell bits, tubes, amp tube, burrow opening, lg void or burrow, sm poly @z, crab-far	Relic DM Layer	7.65
NOREMED3	A	0	0	0	4	Physical	NO	Ambient brn silty sand, shell frags, underpen, RPD>pen, sm tubes, org floc @ surf	Ambient	0.00
NOREMED3	B	0	0	0	3	Physical	NO	Ambient brn silty sand, underpen, RPD>pen, sm tubes, org floc @ surf	Ambient	0.00
NOREMED4	A	0	0	0	2	Physical	NO	Ambient tan fine sand, underpen, RPD>pen	Ambient	0.00
NOREMED4	B	0	0	0	6	Physical	NO	Ambient fine sand >pen, brn silty sand, underpen, sm tubes, org floc deposition, RPD>pen	Ambient	0.00
NOREMED5	A	0	0	0	3	Physical	NO	Relic DM>pen, tan/blk sandy m, red sed @z, wiper clasts-obscured RPD, sm tubes, Nucula?	Relic DM Layer	5.52
NOREMED5	B	0	0	0	8	Biogenic	NO	Relic DM>pen, tan/blk sandy m, red sed @z, sm void, shell frag, sm tubes, burrow opening, sm ox & red clasts	Relic DM Layer	4.99