

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4993	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89630003	-97.13371024
4992	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89630223	-97.13386498
4991	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89630442	-97.13401972
4990	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89630662	-97.13417447
4989	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89630881	-97.13432921
4988	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.896311	-97.13448395
4987	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8963132	-97.1346387
4986	D	STUDY AREA A - DEEP, 8+ FT	27.89631539	-97.13479344
4985	D	STUDY AREA A - DEEP, 8+ FT	27.89631758	-97.13494819
4984	D	STUDY AREA A - DEEP, 8+ FT	27.89631977	-97.13510293
4983	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89632197	-97.13525767
5044	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89639579	-97.13076763
5043	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89639799	-97.13092238
5042	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89640019	-97.13107712
5041	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89640239	-97.13123187
5040	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89640458	-97.13138661
5039	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89640678	-97.13154135
5038	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89640898	-97.1316961
5037	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89641117	-97.13185084
5036	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89641337	-97.13200558
5035	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89641557	-97.13216033
5034	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89641776	-97.13231507
5033	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89641996	-97.13246982
5032	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89642215	-97.13262456
5031	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89642435	-97.1327793
5030	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89642654	-97.13293405
5029	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89642874	-97.13308879
5028	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89643093	-97.13324353
5027	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89643313	-97.13339828
5026	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89643532	-97.13355302
5025	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89643752	-97.13370777
5024	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89643971	-97.13386251
5023	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8964419	-97.13401725
5022	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.8964441	-97.134172
5021	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89644629	-97.13432674
5020	D	STUDY AREA A - DEEP, 8+ FT	27.89644848	-97.13448149
5019	D	STUDY AREA A - DEEP, 8+ FT	27.89645068	-97.13463623
5018	D	STUDY AREA A - DEEP, 8+ FT	27.89645287	-97.13479097
5017	D	STUDY AREA A - DEEP, 8+ FT	27.89645506	-97.13494572
5016	D	STUDY AREA A - DEEP, 8+ FT	27.89645726	-97.13510046
5015	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89645945	-97.13525521
5014	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89646164	-97.13540995
5013	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89646383	-97.13556469
5078	D	STUDY AREA A - DEEP, 8+ FT	27.89653108	-97.13061042
5077	D	STUDY AREA A - DEEP, 8+ FT	27.89653328	-97.13076516
5076	D	STUDY AREA A - DEEP, 8+ FT	27.89653547	-97.1309199
5075	D	STUDY AREA A - DEEP, 8+ FT	27.89653767	-97.13107465

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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5074	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89653987	-97.13122939
5073	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89654207	-97.13138414
5072	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89654426	-97.13153888
5071	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89654646	-97.13169362
5070	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89654866	-97.13184837
5069	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89655085	-97.13200311
5068	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89655305	-97.13215786
5067	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89655524	-97.1323126
5066	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89655744	-97.13246734
5065	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89655963	-97.13262209
5064	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89656183	-97.13277683
5063	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89656402	-97.13293158
5062	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89656622	-97.13308632
5061	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89656841	-97.13324106
5060	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89657061	-97.13339581
5059	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8965728	-97.13355055
5058	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.896575	-97.1337053
5057	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89657719	-97.13386004
5056	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89657939	-97.13401478
5055	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89658158	-97.13416953
5054	H	STUDY AREA A - SHELL HASH PRESENCE	27.89658377	-97.13432427
5053	D	STUDY AREA A - DEEP, 8+ FT	27.89658597	-97.13447902
5052	D	STUDY AREA A - DEEP, 8+ FT	27.89658816	-97.13463376
5051	D	STUDY AREA A - DEEP, 8+ FT	27.89659035	-97.13478851
5050	D	STUDY AREA A - DEEP, 8+ FT	27.89659254	-97.13494325
5049	D	STUDY AREA A - DEEP, 8+ FT	27.89659474	-97.13509799
5048	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89659693	-97.13525274
5047	F,H	STUDY AREA A - SHELL HASH PRESENCE	27.89659912	-97.13540748
5046	F,H	STUDY AREA A - SHELL HASH PRESENCE	27.89660131	-97.13556222
5045	H	STUDY AREA A - SHELL HASH PRESENCE	27.89660351	-97.13571697
5114	D	STUDY AREA A - DEEP, 8+ FT	27.89666856	-97.13060794
5113	D	STUDY AREA A - DEEP, 8+ FT	27.89667076	-97.13076269
5112	D	STUDY AREA A - DEEP, 8+ FT	27.89667296	-97.13091743
5111	D	STUDY AREA A - DEEP, 8+ FT	27.89667515	-97.13107218
5110	D	STUDY AREA A - DEEP, 8+ FT	27.89667735	-97.13122692
5109	D	STUDY AREA A - DEEP, 8+ FT	27.89667955	-97.13138166
5108	D	STUDY AREA A - DEEP, 8+ FT	27.89668174	-97.13153641
5107	D	STUDY AREA A - DEEP, 8+ FT	27.89668394	-97.13169115
5106	D	STUDY AREA A - DEEP, 8+ FT	27.89668614	-97.1318459
5105	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89668833	-97.13200064
5104	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89669053	-97.13215538
5103	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89669272	-97.13231013
5102	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89669492	-97.13246487
5101	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89669712	-97.13261962
5100	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89669931	-97.13277436
5099	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89670151	-97.13292911
5098	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8967037	-97.13308385

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**Bluewater SPM Project**  
**Appendix B**  
**Study Area A - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5097	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8967059	-97.13323859
5096	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89670809	-97.13339334
5095	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89671029	-97.13354808
5094	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89671248	-97.13370283
5093	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89671467	-97.13385757
5092	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89671687	-97.13401231
5091	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89671906	-97.13416706
5090	D	STUDY AREA A - DEEP, 8+ FT	27.89672125	-97.1343218
5089	D	STUDY AREA A - DEEP, 8+ FT	27.89672345	-97.13447655
5088	D	STUDY AREA A - DEEP, 8+ FT	27.89672564	-97.13463129
5087	D	STUDY AREA A - DEEP, 8+ FT	27.89672783	-97.13478604
5086	D	STUDY AREA A - DEEP, 8+ FT	27.89673003	-97.13494078
5085	D	STUDY AREA A - DEEP, 8+ FT	27.89673222	-97.13509552
5084	F,H	STUDY AREA A - SHELL HASH PRESENCE	27.89673441	-97.13525027
5083	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8967366	-97.13540501
5082	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.8967388	-97.13555976
5081	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89674099	-97.1357145
5080	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89674318	-97.13586925
5079	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89674537	-97.13602399
5150	D	STUDY AREA A - DEEP, 8+ FT	27.89680824	-97.13076021
5149	D	STUDY AREA A - DEEP, 8+ FT	27.89681044	-97.13091496
5148	D	STUDY AREA A - DEEP, 8+ FT	27.89681263	-97.1310697
5147	D	STUDY AREA A - DEEP, 8+ FT	27.89681483	-97.13122445
5146	D	STUDY AREA A - DEEP, 8+ FT	27.89681703	-97.13137919
5145	D	STUDY AREA A - DEEP, 8+ FT	27.89681923	-97.13153393
5144	D	STUDY AREA A - DEEP, 8+ FT	27.89682142	-97.13168868
5143	D	STUDY AREA A - DEEP, 8+ FT	27.89682362	-97.13184342
5142	D	STUDY AREA A - DEEP, 8+ FT	27.89682581	-97.13199817
5141	D	STUDY AREA A - DEEP, 8+ FT	27.89682801	-97.13215291
5140	D	STUDY AREA A - DEEP, 8+ FT	27.89683021	-97.13230766
5139	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8968324	-97.1324624
5138	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8968346	-97.13261715
5137	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89683679	-97.13277189
5136	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89683899	-97.13292664
5135	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89684118	-97.13308138
5134	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89684338	-97.13323612
5133	S,G	STUDY AREA A - SEAGRASS PRESENCE	27.89684557	-97.13339087
5132	M,H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89684777	-97.13354561
5131	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89684996	-97.13370036
5130	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89685216	-97.1338551
5129	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89685435	-97.13400985
5128	D	STUDY AREA A - DEEP, 8+ FT	27.89685654	-97.13416459
5127	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89685874	-97.13431934
5126	D	STUDY AREA A - DEEP, 8+ FT	27.89686093	-97.13447408
5125	D	STUDY AREA A - DEEP, 8+ FT	27.89686312	-97.13462882
5124	D	STUDY AREA A - DEEP, 8+ FT	27.89686532	-97.13478357
5123	D	STUDY AREA A - DEEP, 8+ FT	27.89686751	-97.13493831

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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5122	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.8968697	-97.13509306
5121	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89687189	-97.1352478
5120	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89687409	-97.13540255
5119	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89687628	-97.13555729
5118	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89687847	-97.13571204
5117	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89688066	-97.13586678
5116	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89688285	-97.13602153
5115	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89688504	-97.13617627
5186	D	STUDY AREA A - DEEP, 8+ FT	27.89695012	-97.13106723
5185	D	STUDY AREA A - DEEP, 8+ FT	27.89695231	-97.13122197
5184	D	STUDY AREA A - DEEP, 8+ FT	27.89695451	-97.13137672
5183	D	STUDY AREA A - DEEP, 8+ FT	27.89695671	-97.13153146
5182	D	STUDY AREA A - DEEP, 8+ FT	27.8969589	-97.13168621
5181	D	STUDY AREA A - DEEP, 8+ FT	27.8969611	-97.13184095
5180	D	STUDY AREA A - DEEP, 8+ FT	27.8969633	-97.1319957
5179	D	STUDY AREA A - DEEP, 8+ FT	27.89696549	-97.13215044
5178	D	STUDY AREA A - DEEP, 8+ FT	27.89696769	-97.13230519
5177	D	STUDY AREA A - DEEP, 8+ FT	27.89696988	-97.13245993
5176	D	STUDY AREA A - DEEP, 8+ FT	27.89697208	-97.13261468
5175	D	STUDY AREA A - DEEP, 8+ FT	27.89697427	-97.13276942
5174	D	STUDY AREA A - DEEP, 8+ FT	27.89697647	-97.13292416
5173	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89697866	-97.13307891
5172	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89698086	-97.13323365
5171	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89698305	-97.1333884
5170	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89698525	-97.13354314
5169	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89698744	-97.13369789
5168	S	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89698964	-97.13385263
5167	D	STUDY AREA A - DEEP, 8+ FT	27.89699183	-97.13400738
5166	D	STUDY AREA A - DEEP, 8+ FT	27.89699402	-97.13416212
5165	D	STUDY AREA A - DEEP, 8+ FT	27.89699622	-97.13431687
5164	D	STUDY AREA A - DEEP, 8+ FT	27.89699841	-97.13447161
5163	D	STUDY AREA A - DEEP, 8+ FT	27.8970006	-97.13462636
5162	D	STUDY AREA A - DEEP, 8+ FT	27.8970028	-97.1347811
5161	D	STUDY AREA A - DEEP, 8+ FT	27.89700499	-97.13493585
5160	F,H	STUDY AREA A - SHELL HASH PRESENCE	27.89700718	-97.13509059
5159	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89700937	-97.13524533
5158	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89701157	-97.13540008
5157	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89701376	-97.13555482
5156	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89701595	-97.13570957
5155	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89701814	-97.13586431
5154	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89702033	-97.13601906
5153	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89702253	-97.1361738
5152	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89702472	-97.13632855
5151	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89702691	-97.13648329
5222	D	STUDY AREA A - DEEP, 8+ FT	27.8970898	-97.1312195
5221	D	STUDY AREA A - DEEP, 8+ FT	27.89709199	-97.13137425
5220	D	STUDY AREA A - DEEP, 8+ FT	27.89709419	-97.13152899



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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5219	D	STUDY AREA A - DEEP, 8+ FT	27.89709639	-97.13168374
5218	D	STUDY AREA A - DEEP, 8+ FT	27.89709858	-97.13183848
5217	D	STUDY AREA A - DEEP, 8+ FT	27.89710078	-97.13199322
5216	D	STUDY AREA A - DEEP, 8+ FT	27.89710297	-97.13214797
5215	D	STUDY AREA A - DEEP, 8+ FT	27.89710517	-97.13230271
5214	D	STUDY AREA A - DEEP, 8+ FT	27.89710737	-97.13245746
5213	D	STUDY AREA A - DEEP, 8+ FT	27.89710956	-97.1326122
5212	D	STUDY AREA A - DEEP, 8+ FT	27.89711176	-97.13276695
5211	D	STUDY AREA A - DEEP, 8+ FT	27.89711395	-97.13292169
5210	D	STUDY AREA A - DEEP, 8+ FT	27.89711615	-97.13307644
5209	D	STUDY AREA A - DEEP, 8+ FT	27.89711834	-97.13323118
5208	D	STUDY AREA A - DEEP, 8+ FT	27.89712054	-97.13338593
5207	D	STUDY AREA A - DEEP, 8+ FT	27.89712273	-97.13354067
5206	D	STUDY AREA A - DEEP, 8+ FT	27.89712492	-97.13369542
5205	D	STUDY AREA A - DEEP, 8+ FT	27.89712712	-97.13385016
5204	D	STUDY AREA A - DEEP, 8+ FT	27.89712931	-97.13400491
5203	D	STUDY AREA A - DEEP, 8+ FT	27.89713151	-97.13415965
5202	D	STUDY AREA A - DEEP, 8+ FT	27.8971337	-97.1343144
5201	D	STUDY AREA A - DEEP, 8+ FT	27.89713589	-97.13446914
5200	D	STUDY AREA A - DEEP, 8+ FT	27.89713809	-97.13462389
5199	D	STUDY AREA A - DEEP, 8+ FT	27.89714028	-97.13477863
5198	D	STUDY AREA A - DEEP, 8+ FT	27.89714247	-97.13493338
5197	F,H	STUDY AREA A - SHELL HASH PRESENCE	27.89714466	-97.13508812
5196	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89714686	-97.13524287
5195	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89714905	-97.13539761
5194	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89715124	-97.13555236
5193	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89715343	-97.1357071
5192	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89715562	-97.13586185
5191	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89715782	-97.13601659
5190	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89716001	-97.13617134
5189	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8971622	-97.13632608
5188	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89716439	-97.13648083
5187	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89716658	-97.13663557
5258	D	STUDY AREA A - DEEP, 8+ FT	27.89723167	-97.13152652
5257	D	STUDY AREA A - DEEP, 8+ FT	27.89723387	-97.13168126
5256	D	STUDY AREA A - DEEP, 8+ FT	27.89723606	-97.13183601
5255	D	STUDY AREA A - DEEP, 8+ FT	27.89723826	-97.13199075
5254	D	STUDY AREA A - DEEP, 8+ FT	27.89724046	-97.1321455
5253	D	STUDY AREA A - DEEP, 8+ FT	27.89724265	-97.13230024
5252	D	STUDY AREA A - DEEP, 8+ FT	27.89724485	-97.13245499
5251	D	STUDY AREA A - DEEP, 8+ FT	27.89724704	-97.13260973
5250	D	STUDY AREA A - DEEP, 8+ FT	27.89724924	-97.13276448
5249	D	STUDY AREA A - DEEP, 8+ FT	27.89725143	-97.13291922
5248	D	STUDY AREA A - DEEP, 8+ FT	27.89725363	-97.13307397
5247	D	STUDY AREA A - DEEP, 8+ FT	27.89725582	-97.13322871
5246	D	STUDY AREA A - DEEP, 8+ FT	27.89725802	-97.13338346
5245	D	STUDY AREA A - DEEP, 8+ FT	27.89726021	-97.1335382

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5244	D	STUDY AREA A - DEEP, 8+ FT	27.89726241	-97.13369295
5243	D	STUDY AREA A - DEEP, 8+ FT	27.8972646	-97.13384769
5242	D	STUDY AREA A - DEEP, 8+ FT	27.89726679	-97.13400244
5241	D	STUDY AREA A - DEEP, 8+ FT	27.89726899	-97.13415718
5240	D	STUDY AREA A - DEEP, 8+ FT	27.89727118	-97.13431193
5239	D	STUDY AREA A - DEEP, 8+ FT	27.89727337	-97.13446667
5238	D	STUDY AREA A - DEEP, 8+ FT	27.89727557	-97.13462142
5237	D	STUDY AREA A - DEEP, 8+ FT	27.89727776	-97.13477616
5236	D	STUDY AREA A - DEEP, 8+ FT	27.89727995	-97.13493091
5235	M,G	STUDY AREA A - SHELL HASH PRESENCE	27.89728215	-97.13508565
5234	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89728434	-97.1352404
5233	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89728653	-97.13539514
5232	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89728872	-97.13554989
5231	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89729091	-97.13570464
5230	H	STUDY AREA A - SHELL HASH PRESENCE	27.89729311	-97.13585938
5229	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.8972953	-97.13601413
5228	H	STUDY AREA A - SHELL HASH PRESENCE	27.89729749	-97.13616887
5227	H	STUDY AREA A - SHELL HASH PRESENCE	27.89729968	-97.13632362
5226	H	STUDY AREA A - SHELL HASH PRESENCE	27.89730187	-97.13647836
5225	H	STUDY AREA A - SHELL HASH PRESENCE	27.89730406	-97.13663311
5224	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89730625	-97.13678785
5223	H	STUDY AREA A - SHELL HASH PRESENCE	27.89730844	-97.1369426
5294	D	STUDY AREA A - DEEP, 8+ FT	27.89737135	-97.13167879
5293	D	STUDY AREA A - DEEP, 8+ FT	27.89737355	-97.13183353
5292	D	STUDY AREA A - DEEP, 8+ FT	27.89737574	-97.13198828
5291	D	STUDY AREA A - DEEP, 8+ FT	27.89737794	-97.13214303
5290	D	STUDY AREA A - DEEP, 8+ FT	27.89738013	-97.13229777
5289	D	STUDY AREA A - DEEP, 8+ FT	27.89738233	-97.13245252
5288	D	STUDY AREA A - DEEP, 8+ FT	27.89738452	-97.13260726
5287	D	STUDY AREA A - DEEP, 8+ FT	27.89738672	-97.13276201
5286	D	STUDY AREA A - DEEP, 8+ FT	27.89738892	-97.13291675
5285	D	STUDY AREA A - DEEP, 8+ FT	27.89739111	-97.1330715
5284	D	STUDY AREA A - DEEP, 8+ FT	27.8973933	-97.13322624
5283	D	STUDY AREA A - DEEP, 8+ FT	27.8973955	-97.13338099
5282	D	STUDY AREA A - DEEP, 8+ FT	27.89739769	-97.13353573
5281	D	STUDY AREA A - DEEP, 8+ FT	27.89739989	-97.13369048
5280	D	STUDY AREA A - DEEP, 8+ FT	27.89740208	-97.13384522
5279	D	STUDY AREA A - DEEP, 8+ FT	27.89740428	-97.13399997
5278	D	STUDY AREA A - DEEP, 8+ FT	27.89740647	-97.13415471
5277	D	STUDY AREA A - DEEP, 8+ FT	27.89740866	-97.13430946
5276	D	STUDY AREA A - DEEP, 8+ FT	27.89741086	-97.13446421
5275	D	STUDY AREA A - DEEP, 8+ FT	27.89741305	-97.13461895
5274	D	STUDY AREA A - DEEP, 8+ FT	27.89741524	-97.1347737
5273	D	STUDY AREA A - DEEP, 8+ FT	27.89741744	-97.13492844
5272	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89741963	-97.13508319
5271	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89742182	-97.13523793
5270	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.89742401	-97.13539268

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area A - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5269	H,G	STUDY AREA A - SEAGRASS PRESENCE	27.8974262	-97.13554742
5268	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.8974284	-97.13570217
5267	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89743059	-97.13585691
5266	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89743278	-97.13601166
5265	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89743497	-97.1361664
5264	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89743716	-97.13632115
5263	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89743935	-97.1364759
5262	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89744154	-97.13663064
5261	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89744373	-97.13678539
5260	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89744592	-97.13694013
5259	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89744812	-97.13709488
5330	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89751322	-97.13198581
5329	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89751542	-97.13214055
5328	D	STUDY AREA A - DEEP, 8+ FT	27.89751762	-97.1322953
5327	D	STUDY AREA A - DEEP, 8+ FT	27.89751981	-97.13245005
5326	D	STUDY AREA A - DEEP, 8+ FT	27.89752201	-97.13260479
5325	D	STUDY AREA A - DEEP, 8+ FT	27.8975242	-97.13275954
5324	D	STUDY AREA A - DEEP, 8+ FT	27.8975264	-97.13291428
5323	D	STUDY AREA A - DEEP, 8+ FT	27.89752859	-97.13306903
5322	D	STUDY AREA A - DEEP, 8+ FT	27.89753079	-97.13322377
5321	D	STUDY AREA A - DEEP, 8+ FT	27.89753298	-97.13337852
5320	D	STUDY AREA A - DEEP, 8+ FT	27.89753518	-97.13353326
5319	D	STUDY AREA A - DEEP, 8+ FT	27.89753737	-97.13368801
5318	D	STUDY AREA A - DEEP, 8+ FT	27.89753956	-97.13384275
5317	D	STUDY AREA A - DEEP, 8+ FT	27.89754176	-97.1339975
5316	D	STUDY AREA A - DEEP, 8+ FT	27.89754395	-97.13415224
5315	D	STUDY AREA A - DEEP, 8+ FT	27.89754615	-97.13430699
5314	D	STUDY AREA A - DEEP, 8+ FT	27.89754834	-97.13446174
5313	D	STUDY AREA A - DEEP, 8+ FT	27.89755053	-97.13461648
5312	D	STUDY AREA A - DEEP, 8+ FT	27.89755272	-97.13477123
5311	D	STUDY AREA A - DEEP, 8+ FT	27.89755492	-97.13492597
5310	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89755711	-97.13508072
5309	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8975593	-97.13523546
5308	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89756149	-97.13539021
5307	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89756369	-97.13554495
5306	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89756588	-97.1356997
5305	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89756807	-97.13585445
5304	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89757026	-97.13600919
5303	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89757245	-97.13616394
5302	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89757464	-97.13631868
5301	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89757683	-97.13647343
5300	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89757903	-97.13662817
5299	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89758122	-97.13678292
5298	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89758341	-97.13693767
5297	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8975856	-97.13709241
5296	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89758779	-97.13724716
5295	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89758998	-97.1374019

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area A - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5366	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8976529	-97.13213808
5365	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8976551	-97.13229283
5364	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89765729	-97.13244757
5363	D	STUDY AREA A - DEEP, 8+ FT	27.89765949	-97.13260232
5362	D	STUDY AREA A - DEEP, 8+ FT	27.89766168	-97.13275707
5361	D	STUDY AREA A - DEEP, 8+ FT	27.89766388	-97.13291181
5360	D	STUDY AREA A - DEEP, 8+ FT	27.89766607	-97.13306656
5359	D	STUDY AREA A - DEEP, 8+ FT	27.89766827	-97.1332213
5358	D	STUDY AREA A - DEEP, 8+ FT	27.89767046	-97.13337605
5357	D	STUDY AREA A - DEEP, 8+ FT	27.89767266	-97.13353079
5356	D	STUDY AREA A - DEEP, 8+ FT	27.89767485	-97.13368554
5355	D	STUDY AREA A - DEEP, 8+ FT	27.89767705	-97.13384029
5354	D	STUDY AREA A - DEEP, 8+ FT	27.89767924	-97.13399503
5353	D	STUDY AREA A - DEEP, 8+ FT	27.89768143	-97.13414978
5352	D	STUDY AREA A - DEEP, 8+ FT	27.89768363	-97.13430452
5351	D	STUDY AREA A - DEEP, 8+ FT	27.89768582	-97.13445927
5350	D	STUDY AREA A - DEEP, 8+ FT	27.89768801	-97.13461401
5349	D	STUDY AREA A - DEEP, 8+ FT	27.89769021	-97.13476876
5348	D	STUDY AREA A - DEEP, 8+ FT	27.8976924	-97.13492351
5347	D	STUDY AREA A - DEEP, 8+ FT	27.89769459	-97.13507825
5346	D	STUDY AREA A - DEEP, 8+ FT	27.89769678	-97.135233
5345	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89769898	-97.13538774
5344	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89770117	-97.13554249
5343	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89770336	-97.13569723
5342	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89770555	-97.13585198
5341	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89770774	-97.13600673
5340	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89770993	-97.13616147
5339	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89771213	-97.13631622
5338	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89771432	-97.13647096
5337	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89771651	-97.13662571
5336	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8977187	-97.13678045
5335	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89772089	-97.1369352
5334	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89772308	-97.13708995
5333	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89772527	-97.13724469
5332	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89772746	-97.13739944
5331	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89772965	-97.13755418
5402	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89779477	-97.1324451
5401	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89779697	-97.13259985
5400	D	STUDY AREA A - DEEP, 8+ FT	27.89779917	-97.13275459
5399	D	STUDY AREA A - DEEP, 8+ FT	27.89780136	-97.13290934
5398	D	STUDY AREA A - DEEP, 8+ FT	27.89780356	-97.13306409
5397	D	STUDY AREA A - DEEP, 8+ FT	27.89780575	-97.13321883
5396	D	STUDY AREA A - DEEP, 8+ FT	27.89780794	-97.13337358
5395	D	STUDY AREA A - DEEP, 8+ FT	27.89781014	-97.13352832
5394	D	STUDY AREA A - DEEP, 8+ FT	27.89781233	-97.13368307
5393	D	STUDY AREA A - DEEP, 8+ FT	27.89781453	-97.13383781
5392	D	STUDY AREA A - DEEP, 8+ FT	27.89781672	-97.13399256

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5391	D	STUDY AREA A - DEEP, 8+ FT	27.89781892	-97.13414731
5390	D	STUDY AREA A - DEEP, 8+ FT	27.89782111	-97.13430205
5389	D	STUDY AREA A - DEEP, 8+ FT	27.8978233	-97.1344568
5388	D	STUDY AREA A - DEEP, 8+ FT	27.8978255	-97.13461155
5387	D	STUDY AREA A - DEEP, 8+ FT	27.89782769	-97.13476629
5386	D	STUDY AREA A - DEEP, 8+ FT	27.89782988	-97.13492104
5385	D	STUDY AREA A - DEEP, 8+ FT	27.89783207	-97.13507578
5384	D	STUDY AREA A - DEEP, 8+ FT	27.89783427	-97.13523053
5383	D	STUDY AREA A - DEEP, 8+ FT	27.89783646	-97.13538528
5382	D	STUDY AREA A - DEEP, 8+ FT	27.89783865	-97.13554002
5381	D	STUDY AREA A - DEEP, 8+ FT	27.89784084	-97.13569477
5380	D	STUDY AREA A - DEEP, 8+ FT	27.89784303	-97.13584951
5379	D	STUDY AREA A - DEEP, 8+ FT	27.89784523	-97.13600426
5378	D	STUDY AREA A - DEEP, 8+ FT	27.89784742	-97.13615901
5377	D	STUDY AREA A - DEEP, 8+ FT	27.89784961	-97.13631375
5376	D	STUDY AREA A - DEEP, 8+ FT	27.8978518	-97.1364685
5375	D	STUDY AREA A - DEEP, 8+ FT	27.89785399	-97.13662324
5374	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89785618	-97.13677799
5373	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89785837	-97.13693274
5372	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89786056	-97.13708748
5371	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89786275	-97.13724223
5370	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89786494	-97.13739697
5369	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89786713	-97.13755172
5368	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89786932	-97.13770647
5367	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89787151	-97.13786121
5438	H	STUDY AREA A - SHELL HASH PRESENCE	27.89793445	-97.13259738
5437	H	STUDY AREA A - SHELL HASH PRESENCE	27.89793665	-97.13275212
5436	D	STUDY AREA A - DEEP, 8+ FT	27.89793884	-97.13290687
5435	D	STUDY AREA A - DEEP, 8+ FT	27.89794104	-97.13306162
5434	D	STUDY AREA A - DEEP, 8+ FT	27.89794323	-97.13321636
5433	D	STUDY AREA A - DEEP, 8+ FT	27.89794543	-97.13337111
5432	D	STUDY AREA A - DEEP, 8+ FT	27.89794762	-97.13352585
5431	D	STUDY AREA A - DEEP, 8+ FT	27.89794982	-97.1336806
5430	D	STUDY AREA A - DEEP, 8+ FT	27.89795201	-97.13383535
5429	D	STUDY AREA A - DEEP, 8+ FT	27.8979542	-97.13399009
5428	D	STUDY AREA A - DEEP, 8+ FT	27.8979564	-97.13414484
5427	D	STUDY AREA A - DEEP, 8+ FT	27.89795859	-97.13429958
5426	D	STUDY AREA A - DEEP, 8+ FT	27.89796078	-97.13445433
5425	D	STUDY AREA A - DEEP, 8+ FT	27.89796298	-97.13460908
5424	D	STUDY AREA A - DEEP, 8+ FT	27.89796517	-97.13476382
5423	D	STUDY AREA A - DEEP, 8+ FT	27.89796736	-97.13491857
5422	D	STUDY AREA A - DEEP, 8+ FT	27.89796956	-97.13507331
5421	D	STUDY AREA A - DEEP, 8+ FT	27.89797175	-97.13522806
5420	D	STUDY AREA A - DEEP, 8+ FT	27.89797394	-97.13538281
5419	D	STUDY AREA A - DEEP, 8+ FT	27.89797613	-97.13553755
5418	D	STUDY AREA A - DEEP, 8+ FT	27.89797832	-97.1356923
5417	D	STUDY AREA A - DEEP, 8+ FT	27.89798052	-97.13584705



<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5416	D	STUDY AREA A - DEEP, 8+ FT	27.89798271	-97.13600179
5415	D	STUDY AREA A - DEEP, 8+ FT	27.8979849	-97.13615654
5414	D	STUDY AREA A - DEEP, 8+ FT	27.89798709	-97.13631129
5413	H	STUDY AREA A - SHELL HASH PRESENCE	27.89798928	-97.13646603
5412	D	STUDY AREA A - DEEP, 8+ FT	27.89799147	-97.13662078
5411	D	STUDY AREA A - DEEP, 8+ FT	27.89799366	-97.13677552
5410	D	STUDY AREA A - DEEP, 8+ FT	27.89799585	-97.13693027
5409	D	STUDY AREA A - DEEP, 8+ FT	27.89799804	-97.13708502
5408	H	STUDY AREA A - SHELL HASH PRESENCE	27.89800023	-97.13723976
5407	H	STUDY AREA A - SHELL HASH PRESENCE	27.89800242	-97.13739451
5406	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89800461	-97.13754926
5405	H	STUDY AREA A - SHELL HASH PRESENCE	27.8980068	-97.137704
5404	H	STUDY AREA A - SHELL HASH PRESENCE	27.89800899	-97.13785875
5403	H	STUDY AREA A - SHELL HASH PRESENCE	27.89801118	-97.13801349
5474	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89807632	-97.1329044
5473	D	STUDY AREA A - DEEP, 8+ FT	27.89807852	-97.13305914
5472	D	STUDY AREA A - DEEP, 8+ FT	27.89808071	-97.13321389
5471	D	STUDY AREA A - DEEP, 8+ FT	27.89808291	-97.13336864
5470	D	STUDY AREA A - DEEP, 8+ FT	27.8980851	-97.13352338
5469	D	STUDY AREA A - DEEP, 8+ FT	27.8980873	-97.13367813
5468	D	STUDY AREA A - DEEP, 8+ FT	27.89808949	-97.13383288
5467	D	STUDY AREA A - DEEP, 8+ FT	27.89809169	-97.13398762
5466	D	STUDY AREA A - DEEP, 8+ FT	27.89809388	-97.13414237
5465	D	STUDY AREA A - DEEP, 8+ FT	27.89809607	-97.13429712
5464	D	STUDY AREA A - DEEP, 8+ FT	27.89809827	-97.13445186
5463	D	STUDY AREA A - DEEP, 8+ FT	27.89810046	-97.13460661
5462	D	STUDY AREA A - DEEP, 8+ FT	27.89810265	-97.13476135
5461	D	STUDY AREA A - DEEP, 8+ FT	27.89810484	-97.1349161
5460	D	STUDY AREA A - DEEP, 8+ FT	27.89810704	-97.13507085
5459	D	STUDY AREA A - DEEP, 8+ FT	27.89810923	-97.13522559
5458	D	STUDY AREA A - DEEP, 8+ FT	27.89811142	-97.13538034
5457	D	STUDY AREA A - DEEP, 8+ FT	27.89811361	-97.13553509
5456	D	STUDY AREA A - DEEP, 8+ FT	27.89811581	-97.13568983
5455	D	STUDY AREA A - DEEP, 8+ FT	27.898118	-97.13584458
5454	D	STUDY AREA A - DEEP, 8+ FT	27.89812019	-97.13599933
5453	D	STUDY AREA A - DEEP, 8+ FT	27.89812238	-97.13615407
5452	D	STUDY AREA A - DEEP, 8+ FT	27.89812457	-97.13630882
5451	D	STUDY AREA A - DEEP, 8+ FT	27.89812676	-97.13646357
5450	D	STUDY AREA A - DEEP, 8+ FT	27.89812895	-97.13661831
5449	D	STUDY AREA A - DEEP, 8+ FT	27.89813114	-97.13677306
5448	D	STUDY AREA A - DEEP, 8+ FT	27.89813333	-97.1369278
5447	D	STUDY AREA A - DEEP, 8+ FT	27.89813552	-97.13708255
5446	D	STUDY AREA A - DEEP, 8+ FT	27.89813771	-97.1372373
5445	D	STUDY AREA A - DEEP, 8+ FT	27.8981399	-97.13739204
5444	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89814209	-97.13754679
5443	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89814428	-97.13770154
5442	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89814647	-97.13785628

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5441	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89814866	-97.13801103
5440	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89815085	-97.13816578
5439	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89815304	-97.13832052
5510	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.898216	-97.13305667
5509	D	STUDY AREA A - DEEP, 8+ FT	27.8982182	-97.13321142
5508	D	STUDY AREA A - DEEP, 8+ FT	27.89822039	-97.13336617
5507	D	STUDY AREA A - DEEP, 8+ FT	27.89822258	-97.13352091
5506	D	STUDY AREA A - DEEP, 8+ FT	27.89822478	-97.13367566
5505	D	STUDY AREA A - DEEP, 8+ FT	27.89822697	-97.13383041
5504	D	STUDY AREA A - DEEP, 8+ FT	27.89822917	-97.13398515
5503	D	STUDY AREA A - DEEP, 8+ FT	27.89823136	-97.1341399
5502	D	STUDY AREA A - DEEP, 8+ FT	27.89823355	-97.13429465
5501	D	STUDY AREA A - DEEP, 8+ FT	27.89823575	-97.13444939
5500	D	STUDY AREA A - DEEP, 8+ FT	27.89823794	-97.13460414
5499	D	STUDY AREA A - DEEP, 8+ FT	27.89824013	-97.13475889
5498	D	STUDY AREA A - DEEP, 8+ FT	27.89824233	-97.13491363
5497	D	STUDY AREA A - DEEP, 8+ FT	27.89824452	-97.13506838
5496	D	STUDY AREA A - DEEP, 8+ FT	27.89824671	-97.13522313
5495	D	STUDY AREA A - DEEP, 8+ FT	27.8982489	-97.13537787
5494	D	STUDY AREA A - DEEP, 8+ FT	27.8982511	-97.13553262
5493	D	STUDY AREA A - DEEP, 8+ FT	27.89825329	-97.13568737
5492	D	STUDY AREA A - DEEP, 8+ FT	27.89825548	-97.13584211
5491	D	STUDY AREA A - DEEP, 8+ FT	27.89825767	-97.13599686
5490	D	STUDY AREA A - DEEP, 8+ FT	27.89825986	-97.13615161
5489	D	STUDY AREA A - DEEP, 8+ FT	27.89826205	-97.13630635
5488	D	STUDY AREA A - DEEP, 8+ FT	27.89826424	-97.1364611
5487	D	STUDY AREA A - DEEP, 8+ FT	27.89826643	-97.13661585
5486	D	STUDY AREA A - DEEP, 8+ FT	27.89826863	-97.13677059
5485	D	STUDY AREA A - DEEP, 8+ FT	27.89827082	-97.13692534
5484	D	STUDY AREA A - DEEP, 8+ FT	27.89827301	-97.13708009
5483	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8982752	-97.13723483
5482	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89827739	-97.13738958
5481	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89827958	-97.13754433
5480	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89828177	-97.13769907
5479	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89828395	-97.13785382
5478	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89828614	-97.13800857
5477	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89828833	-97.13816331
5476	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89829052	-97.13831806
5475	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89829271	-97.13847281
5546	D	STUDY AREA A - DEEP, 8+ FT	27.89835787	-97.1333637
5545	D	STUDY AREA A - DEEP, 8+ FT	27.89836007	-97.13351844
5544	D	STUDY AREA A - DEEP, 8+ FT	27.89836226	-97.13367319
5543	D	STUDY AREA A - DEEP, 8+ FT	27.89836445	-97.13382794
5542	D	STUDY AREA A - DEEP, 8+ FT	27.89836665	-97.13398268
5541	D	STUDY AREA A - DEEP, 8+ FT	27.89836884	-97.13413743
5540	D	STUDY AREA A - DEEP, 8+ FT	27.89837104	-97.13429218
5539	D	STUDY AREA A - DEEP, 8+ FT	27.89837323	-97.13444692

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5538	D	STUDY AREA A - DEEP, 8+ FT	27.89837542	-97.13460167
5537	D	STUDY AREA A - DEEP, 8+ FT	27.89837762	-97.13475642
5536	D	STUDY AREA A - DEEP, 8+ FT	27.89837981	-97.13491116
5535	D	STUDY AREA A - DEEP, 8+ FT	27.898382	-97.13506591
5534	D	STUDY AREA A - DEEP, 8+ FT	27.89838419	-97.13522066
5533	D	STUDY AREA A - DEEP, 8+ FT	27.89838639	-97.13537541
5532	D	STUDY AREA A - DEEP, 8+ FT	27.89838858	-97.13553015
5531	D	STUDY AREA A - DEEP, 8+ FT	27.89839077	-97.1356849
5530	D	STUDY AREA A - DEEP, 8+ FT	27.89839296	-97.13583965
5529	D	STUDY AREA A - DEEP, 8+ FT	27.89839515	-97.13599439
5528	D	STUDY AREA A - DEEP, 8+ FT	27.89839734	-97.13614914
5527	D	STUDY AREA A - DEEP, 8+ FT	27.89839954	-97.13630389
5526	D	STUDY AREA A - DEEP, 8+ FT	27.89840173	-97.13645863
5525	D	STUDY AREA A - DEEP, 8+ FT	27.89840392	-97.13661338
5524	D	STUDY AREA A - DEEP, 8+ FT	27.89840611	-97.13676813
5523	D	STUDY AREA A - DEEP, 8+ FT	27.8984083	-97.13692287
5522	D	STUDY AREA A - DEEP, 8+ FT	27.89841049	-97.13707762
5521	D	STUDY AREA A - DEEP, 8+ FT	27.89841268	-97.13723237
5520	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89841487	-97.13738711
5519	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89841706	-97.13754186
5518	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89841925	-97.13769661
5517	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89842144	-97.13785136
5516	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89842363	-97.1380061
5515	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89842581	-97.13816085
5514	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.898428	-97.13831559
5513	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89843019	-97.13847034
5512	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89843238	-97.13862509
5511	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89843457	-97.13877984
5582	D	STUDY AREA A - DEEP, 8+ FT	27.89849755	-97.13351597
5581	D	STUDY AREA A - DEEP, 8+ FT	27.89849974	-97.13367072
5580	D	STUDY AREA A - DEEP, 8+ FT	27.89850194	-97.13382547
5579	D	STUDY AREA A - DEEP, 8+ FT	27.89850413	-97.13398022
5578	D	STUDY AREA A - DEEP, 8+ FT	27.89850632	-97.13413496
5577	D	STUDY AREA A - DEEP, 8+ FT	27.89850852	-97.13428971
5576	D	STUDY AREA A - DEEP, 8+ FT	27.89851071	-97.13444446
5575	D	STUDY AREA A - DEEP, 8+ FT	27.8985129	-97.1345992
5574	D	STUDY AREA A - DEEP, 8+ FT	27.8985151	-97.13475395
5573	D	STUDY AREA A - DEEP, 8+ FT	27.89851729	-97.1349087
5572	D	STUDY AREA A - DEEP, 8+ FT	27.89851948	-97.13506344
5571	D	STUDY AREA A - DEEP, 8+ FT	27.89852168	-97.13521819
5570	D	STUDY AREA A - DEEP, 8+ FT	27.89852387	-97.13537294
5569	D	STUDY AREA A - DEEP, 8+ FT	27.89852606	-97.13552768
5568	D	STUDY AREA A - DEEP, 8+ FT	27.89852825	-97.13568243
5567	D	STUDY AREA A - DEEP, 8+ FT	27.89853044	-97.13583718
5566	D	STUDY AREA A - DEEP, 8+ FT	27.89853263	-97.13599193
5565	D	STUDY AREA A - DEEP, 8+ FT	27.89853483	-97.13614667
5564	D	STUDY AREA A - DEEP, 8+ FT	27.89853702	-97.13630142

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5563	D	STUDY AREA A - DEEP, 8+ FT	27.89853921	-97.13645617
5562	D	STUDY AREA A - DEEP, 8+ FT	27.8985414	-97.13661091
5561	D	STUDY AREA A - DEEP, 8+ FT	27.89854359	-97.13676566
5560	D	STUDY AREA A - DEEP, 8+ FT	27.89854578	-97.13692041
5559	D	STUDY AREA A - DEEP, 8+ FT	27.89854797	-97.13707516
5558	D	STUDY AREA A - DEEP, 8+ FT	27.89855016	-97.1372299
5557	D	STUDY AREA A - DEEP, 8+ FT	27.89855235	-97.13738465
5556	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89855454	-97.1375394
5555	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89855673	-97.13769414
5554	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89855892	-97.13784889
5553	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89856111	-97.13800364
5552	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8985633	-97.13815838
5551	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89856549	-97.13831313
5550	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89856767	-97.13846788
5549	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89856986	-97.13862263
5548	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89857205	-97.13877737
5547	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89857424	-97.13893212
5616	D	STUDY AREA A - DEEP, 8+ FT	27.89863942	-97.133823
5615	D	STUDY AREA A - DEEP, 8+ FT	27.89864161	-97.13397775
5614	D	STUDY AREA A - DEEP, 8+ FT	27.89864381	-97.13413249
5613	D	STUDY AREA A - DEEP, 8+ FT	27.898646	-97.13428724
5612	D	STUDY AREA A - DEEP, 8+ FT	27.89864819	-97.13444199
5611	D	STUDY AREA A - DEEP, 8+ FT	27.89865039	-97.13459673
5610	D	STUDY AREA A - DEEP, 8+ FT	27.89865258	-97.13475148
5609	D	STUDY AREA A - DEEP, 8+ FT	27.89865477	-97.13490623
23	D	STUDY AREA A - DEEP, 8+ FT	27.89865696	-97.13506098
5608	D	STUDY AREA A - DEEP, 8+ FT	27.89865916	-97.13521572
5607	D	STUDY AREA A - DEEP, 8+ FT	27.89866135	-97.13537047
5606	D	STUDY AREA A - DEEP, 8+ FT	27.89866354	-97.13552522
5605	D	STUDY AREA A - DEEP, 8+ FT	27.89866573	-97.13567997
5604	D	STUDY AREA A - DEEP, 8+ FT	27.89866792	-97.13583471
5603	D	STUDY AREA A - DEEP, 8+ FT	27.89867012	-97.13598946
5602	D	STUDY AREA A - DEEP, 8+ FT	27.89867231	-97.13614421
5601	D	STUDY AREA A - DEEP, 8+ FT	27.8986745	-97.13629895
5600	D	STUDY AREA A - DEEP, 8+ FT	27.89867669	-97.1364537
5599	D	STUDY AREA A - DEEP, 8+ FT	27.89867888	-97.13660845
5598	D	STUDY AREA A - DEEP, 8+ FT	27.89868107	-97.1367632
5597	D	STUDY AREA A - DEEP, 8+ FT	27.89868326	-97.13691794
5596	D	STUDY AREA A - DEEP, 8+ FT	27.89868545	-97.13707269
5595	H	STUDY AREA A - SHELL HASH PRESENCE	27.89868764	-97.13722744
5594	H	STUDY AREA A - SHELL HASH PRESENCE	27.89868983	-97.13738218
5593	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89869202	-97.13753693
5592	H	STUDY AREA A - SHELL HASH PRESENCE	27.89869421	-97.13769168
5591	H	STUDY AREA A - SHELL HASH PRESENCE	27.8986964	-97.13784643
5590	H	STUDY AREA A - SHELL HASH PRESENCE	27.89869859	-97.13800117
5589	H	STUDY AREA A - SHELL HASH PRESENCE	27.89870078	-97.13815592
5588	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89870297	-97.13831067

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area A - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5587	H	STUDY AREA A - SHELL HASH PRESENCE	27.89870516	-97.13846542
5586	H	STUDY AREA A - SHELL HASH PRESENCE	27.89870734	-97.13862016
5585	H	STUDY AREA A - SHELL HASH PRESENCE	27.89870953	-97.13877491
5584	D	STUDY AREA A - DEEP, 8+ FT	27.89871172	-97.13892966
5583	D	STUDY AREA A - DEEP, 8+ FT	27.89871391	-97.1390844
22	I	STUDY AREA A - INTERTIDAL MARSH PRESENCE	27.8987161	-97.13923915
5652	D	STUDY AREA A - DEEP, 8+ FT	27.89877909	-97.13397528
5651	D	STUDY AREA A - DEEP, 8+ FT	27.89878129	-97.13413002
5650	D	STUDY AREA A - DEEP, 8+ FT	27.89878348	-97.13428477
5649	D	STUDY AREA A - DEEP, 8+ FT	27.89878567	-97.13443952
5648	D	STUDY AREA A - DEEP, 8+ FT	27.89878787	-97.13459427
5647	D	STUDY AREA A - DEEP, 8+ FT	27.89879006	-97.13474901
5646	D	STUDY AREA A - DEEP, 8+ FT	27.89879225	-97.13490376
5645	D	STUDY AREA A - DEEP, 8+ FT	27.89879445	-97.13505851
5644	D	STUDY AREA A - DEEP, 8+ FT	27.89879664	-97.13521325
5643	D	STUDY AREA A - DEEP, 8+ FT	27.89879883	-97.135368
5642	D	STUDY AREA A - DEEP, 8+ FT	27.89880102	-97.13552275
5641	D	STUDY AREA A - DEEP, 8+ FT	27.89880322	-97.1356775
5640	D	STUDY AREA A - DEEP, 8+ FT	27.89880541	-97.13583225
5639	D	STUDY AREA A - DEEP, 8+ FT	27.8988076	-97.13598699
5638	D	STUDY AREA A - DEEP, 8+ FT	27.89880979	-97.13614174
5637	D	STUDY AREA A - DEEP, 8+ FT	27.89881198	-97.13629649
5636	D	STUDY AREA A - DEEP, 8+ FT	27.89881417	-97.13645124
5635	D	STUDY AREA A - DEEP, 8+ FT	27.89881636	-97.13660598
5634	D	STUDY AREA A - DEEP, 8+ FT	27.89881855	-97.13676073
5633	D	STUDY AREA A - DEEP, 8+ FT	27.89882074	-97.13691548
5632	D	STUDY AREA A - DEEP, 8+ FT	27.89882293	-97.13707022
5631	S	STUDY AREA A - SEAGRASS PRESENCE	27.89882512	-97.13722497
5630	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89882731	-97.13737972
5629	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8988295	-97.13753447
5628	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89883169	-97.13768922
5627	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89883388	-97.13784396
5626	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89883607	-97.13799871
5625	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89883826	-97.13815346
5624	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89884045	-97.13830821
5623	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89884264	-97.13846295
5622	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89884483	-97.1386177
5621	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89884701	-97.13877245
5620	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8988492	-97.1389272
5619	D	STUDY AREA A - DEEP, 8+ FT	27.89885139	-97.13908194
5618	D	STUDY AREA A - DEEP, 8+ FT	27.89885358	-97.13923669
5617	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89885577	-97.13939144
5688	D	STUDY AREA A - DEEP, 8+ FT	27.89892096	-97.1342823
5687	D	STUDY AREA A - DEEP, 8+ FT	27.89892316	-97.13443705
5686	D	STUDY AREA A - DEEP, 8+ FT	27.89892535	-97.1345918
5685	D	STUDY AREA A - DEEP, 8+ FT	27.89892754	-97.13474655
5684	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89892974	-97.13490129



<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5683	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89893193	-97.13505604
5682	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89893412	-97.13521079
5681	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89893631	-97.13536553
5680	F,G	STUDY AREA A - SEAGRASS PRESENT	27.8989385	-97.13552028
5679	F,G	STUDY AREA A - SEAGRASS PRESENT	27.8989407	-97.13567503
5678	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89894289	-97.13582978
5677	D	STUDY AREA A - DEEP, 8+ FT	27.89894508	-97.13598453
5676	D	STUDY AREA A - DEEP, 8+ FT	27.89894727	-97.13613927
5675	D	STUDY AREA A - DEEP, 8+ FT	27.89894946	-97.13629402
5674	D	STUDY AREA A - DEEP, 8+ FT	27.89895165	-97.13644877
5673	D	STUDY AREA A - DEEP, 8+ FT	27.89895384	-97.13660352
5672	D	STUDY AREA A - DEEP, 8+ FT	27.89895604	-97.13675826
5671	D	STUDY AREA A - DEEP, 8+ FT	27.89895823	-97.13691301
5670	D	STUDY AREA A - DEEP, 8+ FT	27.89896042	-97.13706776
5669	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89896261	-97.13722251
5668	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8989648	-97.13737726
5667	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89896699	-97.137532
5666	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89896917	-97.13768675
5665	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89897136	-97.1378415
5664	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89897355	-97.13799625
5663	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89897574	-97.13815099
5662	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89897793	-97.13830574
5661	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89898012	-97.13846049
5660	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89898231	-97.13861524
5659	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8989845	-97.13876998
5658	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89898668	-97.13892473
5657	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89898887	-97.13907948
5656	D	STUDY AREA A - DEEP, 8+ FT	27.89899106	-97.13923423
5655	D	STUDY AREA A - DEEP, 8+ FT	27.89899325	-97.13938898
5654	D	STUDY AREA A - DEEP, 8+ FT	27.89899544	-97.13954372
5653	S	STUDY AREA A - SEAGRASS PRESENCE	27.89899762	-97.13969847
5723	D	STUDY AREA A - DEEP, 8+ FT	27.89906064	-97.13443458
5722	D	STUDY AREA A - DEEP, 8+ FT	27.89906283	-97.13458933
5721	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89906502	-97.13474408
5720	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89906722	-97.13489882
5719	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89906941	-97.13505357
5718	F,G	STUDY AREA A - SEAGRASS PRESENT	27.8990716	-97.13520832
5717	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89907379	-97.13536307
5716	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89907599	-97.13551782
5715	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89907818	-97.13567256
5714	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89908037	-97.13582731
5713	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89908256	-97.13598206
5712	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89908475	-97.13613681
5711	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89908694	-97.13629156
5710	D	STUDY AREA A - DEEP, 8+ FT	27.89908914	-97.1364463
5709	D	STUDY AREA A - DEEP, 8+ FT	27.89909133	-97.13660105
5708	D	STUDY AREA A - DEEP, 8+ FT	27.89909352	-97.1367558

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5707	D	STUDY AREA A - DEEP, 8+ FT	27.89909571	-97.13691055
5706	D	STUDY AREA A - DEEP, 8+ FT	27.8990979	-97.13706529
5705	D	STUDY AREA A - DEEP, 8+ FT	27.89910009	-97.13722004
5704	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89910228	-97.13737479
5703	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89910447	-97.13752954
5702	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89910666	-97.13768429
5701	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89910885	-97.13783903
5700	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89911104	-97.13799378
5699	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89911322	-97.13814853
5698	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89911541	-97.13830328
5697	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8991176	-97.13845803
5696	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89911979	-97.13861277
5695	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89912198	-97.13876752
5694	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89912417	-97.13892227
5693	M,G,S,O	STUDY AREA A - SEAGRASS PRESENCE	27.89912635	-97.13907702
5692	D	STUDY AREA A - DEEP, 8+ FT	27.89912854	-97.13923177
5691	D	STUDY AREA A - DEEP, 8+ FT	27.89913073	-97.13938651
5690	D	STUDY AREA A - DEEP, 8+ FT	27.89913292	-97.13954126
5689	S	STUDY AREA A - SEAGRASS PRESENCE	27.8991351	-97.13969601
5755	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89920251	-97.13474161
5754	F,G	STUDY AREA A - SEAGRASS PRESENT	27.8992047	-97.13489636
5753	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89920689	-97.1350511
5752	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89920908	-97.13520585
5751	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89921128	-97.1353606
5750	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89921347	-97.13551535
5749	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89921566	-97.1356701
5748	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89921785	-97.13582484
5747	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89922004	-97.13597959
5746	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89922224	-97.13613434
5745	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89922443	-97.13628909
5744	M,G	STUDY AREA A - SEAGRASS PRESENCE	27.89922662	-97.13644384
5743	D	STUDY AREA A - DEEP, 8+ FT	27.89922881	-97.13659858
5742	D	STUDY AREA A - DEEP, 8+ FT	27.899231	-97.13675333
5741	D	STUDY AREA A - DEEP, 8+ FT	27.89923319	-97.13690808
5740	D	STUDY AREA A - DEEP, 8+ FT	27.89923538	-97.13706283
5739	D	STUDY AREA A - DEEP, 8+ FT	27.89923757	-97.13721758
5738	D	STUDY AREA A - DEEP, 8+ FT	27.89923976	-97.13737232
5737	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89924195	-97.13752707
5736	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89924414	-97.13768182
5735	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89924633	-97.13783657
5734	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89924852	-97.13799132
5733	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89925071	-97.13814607
5732	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8992529	-97.13830081
5731	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89925508	-97.13845556
5730	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89925727	-97.13861031
5729	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89925946	-97.13876506
5728	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89926165	-97.13891981

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5727	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89926384	-97.13907456
5726	D	STUDY AREA A - DEEP, 8+ FT	27.89926602	-97.1392293
5725	D	STUDY AREA A - DEEP, 8+ FT	27.89926821	-97.13938405
5724	S	STUDY AREA A - SEAGRASS PRESENCE	27.8992704	-97.1395388
5786	H	STUDY AREA A - SHELL HASH PRESENCE	27.89934218	-97.13489389
5785	H	STUDY AREA A - SHELL HASH PRESENCE	27.89934437	-97.13504864
5784	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89934657	-97.13520339
5783	H	STUDY AREA A - SHELL HASH PRESENCE	27.89934876	-97.13535813
5782	H	STUDY AREA A - SHELL HASH PRESENCE	27.89935095	-97.13551288
5781	H	STUDY AREA A - SHELL HASH PRESENCE	27.89935314	-97.13566763
5780	H	STUDY AREA A - SHELL HASH PRESENCE	27.89935533	-97.13582238
5779	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89935753	-97.13597713
5778	H	STUDY AREA A - SHELL HASH PRESENCE	27.89935972	-97.13613187
5777	H	STUDY AREA A - SHELL HASH PRESENCE	27.89936191	-97.13628662
5776	F,G	STUDY AREA A - SEAGRASS PRESENT	27.8993641	-97.13644137
5775	F,G	STUDY AREA A - SEAGRASS PRESENT	27.89936629	-97.13659612
5774	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89936848	-97.13675087
5773	D	STUDY AREA A - DEEP, 8+ FT	27.89937067	-97.13690562
5772	D	STUDY AREA A - DEEP, 8+ FT	27.89937286	-97.13706036
5771	D	STUDY AREA A - DEEP, 8+ FT	27.89937505	-97.13721511
5770	D	STUDY AREA A - DEEP, 8+ FT	27.89937724	-97.13736986
5769	D	STUDY AREA A - DEEP, 8+ FT	27.89937943	-97.13752461
5768	H	STUDY AREA A - SHELL HASH PRESENCE	27.89938162	-97.13767936
5767	H	STUDY AREA A - SHELL HASH PRESENCE	27.89938381	-97.13783411
5766	H	STUDY AREA A - SHELL HASH PRESENCE	27.899386	-97.13798885
5765	H	STUDY AREA A - SHELL HASH PRESENCE	27.89938819	-97.1381436
5764	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89939038	-97.13829835
5763	H	STUDY AREA A - SHELL HASH PRESENCE	27.89939257	-97.1384531
5762	H	STUDY AREA A - SHELL HASH PRESENCE	27.89939475	-97.13860785
5761	H	STUDY AREA A - SHELL HASH PRESENCE	27.89939694	-97.1387626
5760	M,G,S,O	STUDY AREA A - SEAGRASS PRESENCE	27.89939913	-97.13891734
5759	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.89940132	-97.13907209
5758	D	STUDY AREA A - DEEP, 8+ FT	27.89940351	-97.13922684
5757	H	STUDY AREA A - SHELL HASH PRESENCE	27.89940569	-97.13938159
5756	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89940788	-97.13953634
5814	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89948405	-97.13520092
5813	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89948624	-97.13535567
5812	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89948843	-97.13551041
5811	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89949062	-97.13566516
5810	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89949282	-97.13581991
5809	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89949501	-97.13597466
5808	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8994972	-97.13612941
5807	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89949939	-97.13628416
5806	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89950158	-97.13643891
5805	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89950377	-97.13659365
5804	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89950596	-97.1367484
5803	S	STUDY AREA A - SEAGRASS PRESENCE	27.89950815	-97.13690315

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5802	D	STUDY AREA A - DEEP, 8+ FT	27.89951034	-97.1370579
5801	D	STUDY AREA A - DEEP, 8+ FT	27.89951253	-97.13721265
5800	D	STUDY AREA A - DEEP, 8+ FT	27.89951472	-97.1373674
5799	D	STUDY AREA A - DEEP, 8+ FT	27.89951691	-97.13752214
5798	D	STUDY AREA A - DEEP, 8+ FT	27.8995191	-97.13767689
5797	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89952129	-97.13783164
5796	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89952348	-97.13798639
5795	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89952567	-97.13814114
5794	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89952786	-97.13829589
5793	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89953005	-97.13845064
5792	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89953224	-97.13860538
5791	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89953442	-97.13876013
5790	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89953661	-97.13891488
5789	D	STUDY AREA A - DEEP, 8+ FT	27.8995388	-97.13906963
5788	D	STUDY AREA A - DEEP, 8+ FT	27.89954099	-97.13922438
5787	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89954318	-97.13937913
5842	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89962372	-97.1353532
5841	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89962591	-97.13550795
5840	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89962811	-97.1356627
5839	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8996303	-97.13581744
5838	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89963249	-97.13597219
5837	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89963468	-97.13612694
5836	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89963687	-97.13628169
5835	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89963906	-97.13643644
5834	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89964125	-97.13659119
5833	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89964344	-97.13674594
5832	S	STUDY AREA A - SEAGRASS PRESENCE	27.89964564	-97.13690068
5831	D	STUDY AREA A - DEEP, 8+ FT	27.89964783	-97.13705543
5830	D	STUDY AREA A - DEEP, 8+ FT	27.89965002	-97.13721018
5829	D	STUDY AREA A - DEEP, 8+ FT	27.89965221	-97.13736493
5828	D	STUDY AREA A - DEEP, 8+ FT	27.8996544	-97.13751968
5827	D	STUDY AREA A - DEEP, 8+ FT	27.89965658	-97.13767443
5826	D	STUDY AREA A - DEEP, 8+ FT	27.89965877	-97.13782918
5825	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89966096	-97.13798393
5824	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89966315	-97.13813867
5823	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89966534	-97.13829342
5822	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89966753	-97.13844817
5821	M,G,S,O,I	STUDY AREA A - SEAGRASS PRESENCE	27.89966972	-97.13860292
5820	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89967191	-97.13875767
5818	D	STUDY AREA A - DEEP, 8+ FT	27.89967409	-97.13891242
5817	D	STUDY AREA A - DEEP, 8+ FT	27.89967628	-97.13906717
5816	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89967847	-97.13922192
5815	S	STUDY AREA A - SEAGRASS PRESENCE	27.89968066	-97.13937667
5865	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89976559	-97.13566023
5864	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89976778	-97.13581498
5863	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89976997	-97.13596973
5862	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89977216	-97.13612448

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5861	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89977435	-97.13627922
5860	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89977655	-97.13643397
5859	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89977874	-97.13658872
5858	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89978093	-97.13674347
5857	S	STUDY AREA A - SEAGRASS PRESENCE	27.89978312	-97.13689822
5856	S	STUDY AREA A - SEAGRASS PRESENCE	27.89978531	-97.13705297
5855	D	STUDY AREA A - DEEP, 8+ FT	27.8997875	-97.13720772
5854	D	STUDY AREA A - DEEP, 8+ FT	27.89978969	-97.13736247
5853	D	STUDY AREA A - DEEP, 8+ FT	27.89979188	-97.13751721
5852	D	STUDY AREA A - DEEP, 8+ FT	27.89979407	-97.13767196
5851	D	STUDY AREA A - DEEP, 8+ FT	27.89979626	-97.13782671
5850	D	STUDY AREA A - DEEP, 8+ FT	27.89979845	-97.13798146
5849	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89980063	-97.13813621
5848	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89980282	-97.13829096
5847	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89980501	-97.13844571
5846	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8998072	-97.13860046
5819	D	STUDY AREA A - DEEP, 8+ FT	27.89980939	-97.13875521
5845	D	STUDY AREA A - DEEP, 8+ FT	27.89981158	-97.13890996
5844	D	STUDY AREA A - DEEP, 8+ FT	27.89981376	-97.13906471
5843	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89981595	-97.13921945
5887	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89990526	-97.13581251
5886	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89990745	-97.13596726
5885	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89990964	-97.13612201
5884	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89991184	-97.13627676
5883	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89991403	-97.13643151
5882	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89991622	-97.13658625
5881	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89991841	-97.13674101
5880	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8999206	-97.13689575
5879	M	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89992279	-97.1370505
5878	D	STUDY AREA A - DEEP, 8+ FT	27.89992498	-97.13720525
5877	D	STUDY AREA A - DEEP, 8+ FT	27.89992717	-97.13736
5876	D	STUDY AREA A - DEEP, 8+ FT	27.89992936	-97.13751475
5875	D	STUDY AREA A - DEEP, 8+ FT	27.89993155	-97.1376695
5874	D	STUDY AREA A - DEEP, 8+ FT	27.89993374	-97.13782425
5873	D	STUDY AREA A - DEEP, 8+ FT	27.89993593	-97.137979
5872	D	STUDY AREA A - DEEP, 8+ FT	27.89993812	-97.13813375
5871	D	STUDY AREA A - DEEP, 8+ FT	27.8999403	-97.1382885
5870	D	STUDY AREA A - DEEP, 8+ FT	27.89994249	-97.13844325
5869	D	STUDY AREA A - DEEP, 8+ FT	27.89994468	-97.13859799
5868	D	STUDY AREA A - DEEP, 8+ FT	27.89994687	-97.13875274
5867	D	STUDY AREA A - DEEP, 8+ FT	27.89994906	-97.13890749
5866	D	STUDY AREA A - DEEP, 8+ FT	27.89995125	-97.13906224
5907	H	STUDY AREA A - SHELL HASH PRESENCE	27.90004713	-97.13611954
5906	H	STUDY AREA A - SHELL HASH PRESENCE	27.90004932	-97.13627429
5905	H	STUDY AREA A - SHELL HASH PRESENCE	27.90005151	-97.13642904
5904	H	STUDY AREA A - SHELL HASH PRESENCE	27.9000537	-97.13658379
5903	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.90005589	-97.13673854



<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5902	H	STUDY AREA A - SHELL HASH PRESENCE	27.90005808	-97.13689329
5901	H	STUDY AREA A - SHELL HASH PRESENCE	27.90006027	-97.13704804
5900	D	STUDY AREA A - DEEP, 8+ FT	27.90006246	-97.13720279
5899	D	STUDY AREA A - DEEP, 8+ FT	27.90006465	-97.13735754
5898	D	STUDY AREA A - DEEP, 8+ FT	27.90006684	-97.13751229
5897	D	STUDY AREA A - DEEP, 8+ FT	27.90006903	-97.13766703
5896	D	STUDY AREA A - DEEP, 8+ FT	27.90007122	-97.13782178
5895	D	STUDY AREA A - DEEP, 8+ FT	27.90007341	-97.13797653
5894	D	STUDY AREA A - DEEP, 8+ FT	27.9000756	-97.13813128
5893	D	STUDY AREA A - DEEP, 8+ FT	27.90007779	-97.13828603
5892	D	STUDY AREA A - DEEP, 8+ FT	27.90007998	-97.13844078
5891	D	STUDY AREA A - DEEP, 8+ FT	27.90008216	-97.13859553
5890	D	STUDY AREA A - DEEP, 8+ FT	27.90008435	-97.13875028
5889	D	STUDY AREA A - DEEP, 8+ FT	27.90008654	-97.13890503
5888	H,R	STUDY AREA A - SHELL HASH PRESENCE	27.90008873	-97.13905978
5925	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.9001868	-97.13627182
5924	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90018899	-97.13642657
5923	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90019118	-97.13658132
5922	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90019337	-97.13673607
5921	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90019556	-97.13689082
5920	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90019775	-97.13704557
5919	D	STUDY AREA A - DEEP, 8+ FT	27.90019994	-97.13720032
5918	D	STUDY AREA A - DEEP, 8+ FT	27.90020213	-97.13735507
5917	D	STUDY AREA A - DEEP, 8+ FT	27.90020432	-97.13750982
5916	D	STUDY AREA A - DEEP, 8+ FT	27.90020651	-97.13766457
5915	D	STUDY AREA A - DEEP, 8+ FT	27.9002087	-97.13781932
5914	D	STUDY AREA A - DEEP, 8+ FT	27.90021089	-97.13797407
5913	D	STUDY AREA A - DEEP, 8+ FT	27.90021308	-97.13812882
5912	D	STUDY AREA A - DEEP, 8+ FT	27.90021527	-97.13828357
5911	D	STUDY AREA A - DEEP, 8+ FT	27.90021746	-97.13843832
5910	D	STUDY AREA A - DEEP, 8+ FT	27.90021965	-97.13859307
5909	D	STUDY AREA A - DEEP, 8+ FT	27.90022183	-97.13874782
5908	D	STUDY AREA A - DEEP, 8+ FT	27.90022402	-97.13890257
5941	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90032866	-97.13657886
5940	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90033085	-97.13673361
5939	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90033304	-97.13688836
5938	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90033524	-97.13704311
5937	D	STUDY AREA A - DEEP, 8+ FT	27.90033743	-97.13719786
5936	D	STUDY AREA A - DEEP, 8+ FT	27.90033962	-97.13735261
5935	D	STUDY AREA A - DEEP, 8+ FT	27.9003418	-97.13750736
5934	D	STUDY AREA A - DEEP, 8+ FT	27.90034399	-97.13766211
5933	D	STUDY AREA A - DEEP, 8+ FT	27.90034618	-97.13781686
5932	D	STUDY AREA A - DEEP, 8+ FT	27.90034837	-97.13797161
5931	D	STUDY AREA A - DEEP, 8+ FT	27.90035056	-97.13812635
5930	D	STUDY AREA A - DEEP, 8+ FT	27.90035275	-97.13828111
5929	D	STUDY AREA A - DEEP, 8+ FT	27.90035494	-97.13843586
5928	D	STUDY AREA A - DEEP, 8+ FT	27.90035713	-97.13859061

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area A - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
5927	D	STUDY AREA A - DEEP, 8+ FT	27.90035932	-97.13874535
5926	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.9003615	-97.1389001
5955	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90046834	-97.13673114
5954	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90047053	-97.13688589
5953	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90047272	-97.13704064
5952	D	STUDY AREA A - DEEP, 8+ FT	27.90047491	-97.13719539
5951	D	STUDY AREA A - DEEP, 8+ FT	27.9004771	-97.13735014
5950	D	STUDY AREA A - DEEP, 8+ FT	27.90047929	-97.13750489
5949	D	STUDY AREA A - DEEP, 8+ FT	27.90048148	-97.13765964
5948	D	STUDY AREA A - DEEP, 8+ FT	27.90048367	-97.13781439
5947	D	STUDY AREA A - DEEP, 8+ FT	27.90048585	-97.13796914
5946	D	STUDY AREA A - DEEP, 8+ FT	27.90048804	-97.13812389
5945	D	STUDY AREA A - DEEP, 8+ FT	27.90049023	-97.13827864
5944	D	STUDY AREA A - DEEP, 8+ FT	27.90049242	-97.13843339
5943	D	STUDY AREA A - DEEP, 8+ FT	27.90049461	-97.13858814
5942	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.9004968	-97.13874289
5967	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.9006102	-97.13703818
5966	D	STUDY AREA A - DEEP, 8+ FT	27.90061239	-97.13719293
5965	D	STUDY AREA A - DEEP, 8+ FT	27.90061458	-97.13734768
5964	D	STUDY AREA A - DEEP, 8+ FT	27.90061677	-97.13750243
5963	D	STUDY AREA A - DEEP, 8+ FT	27.90061896	-97.13765718
5962	D	STUDY AREA A - DEEP, 8+ FT	27.90062115	-97.13781193
5961	D	STUDY AREA A - DEEP, 8+ FT	27.90062334	-97.13796668
5960	D	STUDY AREA A - DEEP, 8+ FT	27.90062553	-97.13812143
5959	D	STUDY AREA A - DEEP, 8+ FT	27.90062771	-97.13827618
5958	D	STUDY AREA A - DEEP, 8+ FT	27.9006299	-97.13843093
5957	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90063209	-97.13858568
5956	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90063428	-97.13874043
5977	D	STUDY AREA A - DEEP, 8+ FT	27.90074987	-97.13719046
5976	D	STUDY AREA A - DEEP, 8+ FT	27.90075206	-97.13734521
5975	D	STUDY AREA A - DEEP, 8+ FT	27.90075425	-97.13749996
5974	D	STUDY AREA A - DEEP, 8+ FT	27.90075644	-97.13765471
5973	D	STUDY AREA A - DEEP, 8+ FT	27.90075863	-97.13780946
5972	D	STUDY AREA A - DEEP, 8+ FT	27.90076082	-97.13796421
5971	D	STUDY AREA A - DEEP, 8+ FT	27.90076301	-97.13811896
5970	D	STUDY AREA A - DEEP, 8+ FT	27.9007652	-97.13827371
5969	H	STUDY AREA A - SHELL HASH PRESENCE	27.90076739	-97.13842846
5968	H	STUDY AREA A - SHELL HASH PRESENCE	27.90076957	-97.13858322
5985	D	STUDY AREA A - DEEP, 8+ FT	27.90089173	-97.1374975
5984	D	STUDY AREA A - DEEP, 8+ FT	27.90089392	-97.13765225
5983	D	STUDY AREA A - DEEP, 8+ FT	27.90089611	-97.137807
5982	D	STUDY AREA A - DEEP, 8+ FT	27.9008983	-97.13796175
5981	D	STUDY AREA A - DEEP, 8+ FT	27.90090049	-97.1381165
5980	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90090268	-97.13827125
5979	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90090487	-97.138426
5978	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90090706	-97.13858075
5991	D	STUDY AREA A - DEEP, 8+ FT	27.9010314	-97.13764978

Bluewater Texas Terminal LLC  
Bluewater SPM Project  
Appendix B  
Study Area A - Transect Sampling Data

Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
5990	D	STUDY AREA A - DEEP, 8+ FT	27.90103359	-97.13780453
5989	D	STUDY AREA A - DEEP, 8+ FT	27.90103578	-97.13795929
5988	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90103797	-97.13811404
5987	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90104016	-97.13826879
5986	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90104235	-97.13842354
5994	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90117326	-97.13795682
5993	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90117545	-97.13811157
5992	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90117764	-97.13826632
5996	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90131294	-97.13810911
5995	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90131512	-97.13826386
20	F	STUDY AREA A - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.90138796	-97.13824891

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# STUDY AREA “B”

## Transect Sampling Data

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2724	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88002274	-97.1013484
2646	M,la	STUDY AREA B -INTERTIDAL MARSH PRESENCE	27.88016022	-97.10134588
2604	F,SO,G	STUDY AREA B - SEAGRASS PRESENT	27.88016245	-97.1015006
2720	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8802977	-97.10134337
2606	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88029993	-97.10149809
2605	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88030216	-97.10165281
2647	F,ls	STUDY AREA B -INTERTIDAL MARSH PRESENCE	27.88043518	-97.10134086
2609	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88043741	-97.10149558
2608	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88043964	-97.1016503
2607	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88044187	-97.10180502
2613	F,H,G	STUDY AREA B - SEAGRASS PRESENT	27.88057266	-97.10133835
2612	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88057489	-97.10149307
2611	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88057712	-97.10164779
2610	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88057935	-97.10180251
4694	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88058159	-97.10195723
2617	F,H,G	STUDY AREA B - SEAGRASS PRESENT	27.88071014	-97.10133584
2616	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88071237	-97.10149056
2615	F,G	STUDY AREA B - SEAGRASS PRESENT	27.8807146	-97.10164528
2614	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88071684	-97.1018
4695	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88071907	-97.10195472
4693	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8807213	-97.10210944
2721	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88084762	-97.10133332
2622	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88084985	-97.10148804
2621	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88085208	-97.10164276
2620	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88085432	-97.10179748
2619	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88085655	-97.1019522
2648	M,SO	STUDY AREA B - SCATTERED OYSTER PRESENCE	27.88085878	-97.10210692
2618	M,G	STUDY AREA B - SEAGRASS PRESENT	27.88086101	-97.10226164
2628	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88098733	-97.10148553
2627	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88098956	-97.10164025
2626	F,G	STUDY AREA B - SEAGRASS PRESENT	27.8809918	-97.10179497
2625	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88099403	-97.10194969
2624	M,G	STUDY AREA B - SEAGRASS PRESENT	27.88099626	-97.10210441
2623	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88099849	-97.10225913
4697	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88100072	-97.10241385
2654	F,H	STUDY AREA B - SHELL HASH	27.88112481	-97.10148302
2633	F,H,G	STUDY AREA B - SEAGRASS PRESENT	27.88112705	-97.10163774
2632	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88112928	-97.10179246
2631	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88113151	-97.10194718
2630	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88113374	-97.1021019
2629	M,G	STUDY AREA B - SEAGRASS PRESENT	27.88113597	-97.10225662
2726	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8811382	-97.10241134
2725	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88114043	-97.10256606
2655	F,H	STUDY AREA B - SHELL HASH	27.88126453	-97.10163523
2642	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88126676	-97.10178995
2636	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88126899	-97.10194467
2635	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88127122	-97.10209939



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2634	M,G	STUDY AREA B - SEAGRASS PRESENT	27.88127345	-97.10225411
2729	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88127568	-97.10240883
2728	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88127791	-97.10256355
2727	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88128014	-97.10271827
2639	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88140424	-97.10178744
2638	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88140647	-97.10194216
2637	F,G	STUDY AREA B - SEAGRASS PRESENT	27.8814087	-97.10209688
4700	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88141093	-97.1022516
2695	F,H	STUDY AREA B - SHELL HASH	27.88141316	-97.10240632
2732	M,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88141539	-97.10256104
2731	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88141762	-97.10271576
2730	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88141985	-97.10287048
4712	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88151046	-97.09961883
4711	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88151269	-97.09977356
4710	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88151493	-97.09992828
2644	F,H,G	STUDY AREA B - SEAGRASS PRESENT	27.88154395	-97.10193965
2640	FG	STUDY AREA B - SEAGRASS PRESENT	27.88154618	-97.10209437
4704	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88154841	-97.10224909
2737	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88155064	-97.10240381
2736	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88155287	-97.10255853
2735	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8815551	-97.10271325
2734	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88155734	-97.10286797
2733	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88155957	-97.10302269
4706	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8816457	-97.0994616
3029	D	STUDY AREA B - DEEP, 8+ FT	27.88164794	-97.09961632
4705	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88165017	-97.09977104
4703	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88165241	-97.09992576
4702	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88165464	-97.10008048
4699	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88165687	-97.1002352
4698	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88165911	-97.10038992
4696	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88166134	-97.10054465
4701	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88166357	-97.10069937
2723	S,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88168143	-97.10193714
2641	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88168366	-97.10209186
4713	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88168589	-97.10224658
2742	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88168812	-97.1024013
2741	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88169035	-97.10255602
3028	D	STUDY AREA B - DEEP, 8+ FT	27.88169259	-97.10271074
2740	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88169482	-97.10286546
2739	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88169705	-97.10302019
2738	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88169928	-97.10317491
3071	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88178095	-97.09930436
3070	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88178318	-97.09945908
3069	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88178542	-97.09961381
3027	D	STUDY AREA B - DEEP, 8+ FT	27.88178765	-97.09976853
3068	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88178765	-97.09976853
3067	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88178989	-97.09992325

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3066	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88179212	-97.10007797
3065	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88179435	-97.10023269
3064	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88179659	-97.10038741
4719	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88179882	-97.10054213
4718	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88180105	-97.10069685
4717	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88180329	-97.10085158
4716	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88180552	-97.1010063
4715	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88180775	-97.10116102
4714	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88180998	-97.10131574
4709	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88181222	-97.10147046
4692	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88181445	-97.10162518
2722	S,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88182114	-97.10208935
4708	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88182337	-97.10224407
2749	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8818256	-97.10239879
2748	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88182784	-97.10255351
2747	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88183007	-97.10270823
2701	M,H	STUDY AREA B - SHELL HASH	27.8818323	-97.10286295
4707	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88183453	-97.10301768
2746	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88183676	-97.1031724
2743	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88183899	-97.10332712
3096	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88191843	-97.09930185
3095	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88192067	-97.09945657
3094	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8819229	-97.09961129
3093	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88192513	-97.09976601
3033	D	STUDY AREA B - DEEP, 8+ FT	27.88192737	-97.09992073
3092	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88192737	-97.09992073
3091	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8819296	-97.10007546
3090	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88193183	-97.10023018
3089	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88193407	-97.1003849
3088	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88193853	-97.10069434
3087	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88194077	-97.10084906
3086	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.881943	-97.10100379
3085	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88194523	-97.10115851
3084	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88194746	-97.10131323
3083	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8819497	-97.10146795
3082	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88195193	-97.10162267
3081	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88195416	-97.10177739
3080	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196085	-97.10224156
3079	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196309	-97.10239628
3032	D	STUDY AREA B - DEEP, 8+ FT	27.88196532	-97.102551
3078	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196532	-97.102551
3031	D	STUDY AREA B - DEEP, 8+ FT	27.88196755	-97.10270572
3077	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196755	-97.10270572
2745	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196978	-97.10286044
3076	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88196978	-97.10286044
3075	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88197201	-97.10301517
3074	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88197424	-97.10316989

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2744	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88197647	-97.10332461
3073	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88197647	-97.10332461
3030	D	STUDY AREA B - DEEP, 8+ FT	27.8819787	-97.10347933
3072	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8819787	-97.10347933
3124	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88205815	-97.09945406
3123	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88206038	-97.09960878
3122	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88206261	-97.0997635
3121	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88206485	-97.09991822
3120	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88206708	-97.10007294
3119	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88206932	-97.10022766
3118	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88207155	-97.10038239
3117	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88207378	-97.10053711
3116	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88207601	-97.10069183
3115	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88207825	-97.10084655
3114	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88208048	-97.10100127
3113	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88208271	-97.10115599
3112	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88208494	-97.10131072
3111	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88208718	-97.10146544
3110	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88208941	-97.10162016
3109	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88209164	-97.10177488
3108	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88209387	-97.1019296
3107	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8820961	-97.10208433
3106	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88209833	-97.10223905
3105	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88210057	-97.10239377
3104	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8821028	-97.10254849
2700	F,H	STUDY AREA B - SHELL HASH	27.88210503	-97.10270321
3103	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88210503	-97.10270321
2692	F,H	STUDY AREA B - SHELL HASH	27.88210726	-97.10285793
3102	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88210726	-97.10285793
3101	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88210949	-97.10301266
3100	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88211172	-97.10316738
2750	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88211395	-97.1033221
3099	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88211395	-97.1033221
3098	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88211618	-97.10347682
3097	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88211841	-97.10363154
3152	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88219786	-97.09960626
3151	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88220009	-97.09976098
3150	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88220233	-97.09991571
3149	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88220456	-97.10007043
3148	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8822068	-97.10022515
3147	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88220903	-97.10037987
2757	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88221126	-97.10053459
3146	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88221126	-97.10053459
2756	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8822135	-97.10068932
3145	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8822135	-97.10068932
3144	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88221573	-97.10084404
3143	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88221796	-97.10099876

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3142	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88222019	-97.10115348
3141	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88222243	-97.1013082
3140	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88222466	-97.10146293
3139	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88222689	-97.10161765
3138	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88222912	-97.10177237
3137	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88223135	-97.10192709
3136	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88223358	-97.10208181
3135	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88223582	-97.10223654
3134	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88223805	-97.10239126
3133	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224028	-97.10254598
2755	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224251	-97.1027007
3132	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224251	-97.1027007
2754	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224474	-97.10285542
3131	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224474	-97.10285542
2753	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224697	-97.10301015
3130	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88224697	-97.10301015
3024	D	STUDY AREA B - DEEP, 8+ FT	27.8822492	-97.10316487
3129	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8822492	-97.10316487
3128	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225143	-97.10331959
2752	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225366	-97.10347431
3127	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225366	-97.10347431
3023	D	STUDY AREA B - DEEP, 8+ FT	27.88225589	-97.10362903
3126	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225589	-97.10362903
2751	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225812	-97.10378376
3125	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88225812	-97.10378376
3181	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88233758	-97.09975847
3180	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88233981	-97.09991319
3179	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88234204	-97.10006791
3178	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88234428	-97.10022264
3177	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88234651	-97.10037736
2759	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88234874	-97.10053208
3176	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88234874	-97.10053208
2699	M,H	STUDY AREA B - SHELL HASH	27.88235098	-97.1006868
3175	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88235098	-97.1006868
2698	M,H	STUDY AREA B - SHELL HASH	27.88235321	-97.10084153
3174	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88235321	-97.10084153
3173	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88235544	-97.10099625
3172	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88235767	-97.10115097
3171	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88235991	-97.10130569
3170	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88236214	-97.10146041
3169	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88236437	-97.10161514
3168	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8823666	-97.10176986
3167	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88236883	-97.10192458
3166	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88237106	-97.1020793
3165	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8823733	-97.10223403
3164	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88237553	-97.10238875
3163	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88237776	-97.10254347



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3025	D	STUDY AREA B - DEEP, 8+ FT	27.88237999	-97.10269819
3162	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88237999	-97.10269819
3161	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88238222	-97.10285291
2697	F,R	STUDY AREA B - SHELL HASH	27.88238445	-97.10300764
3160	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88238445	-97.10300764
2696	F,H	STUDY AREA B - SHELL HASH	27.88238668	-97.10316236
3159	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88238668	-97.10316236
3026	D	STUDY AREA B - DEEP, 8+ FT	27.88238891	-97.10331708
3158	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88238891	-97.10331708
3157	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88239114	-97.10347118
3156	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88239337	-97.10362653
2694	M,H	STUDY AREA B - SHELL HASH	27.8823956	-97.10378125
3155	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8823956	-97.10378125
2693	F,H	STUDY AREA B - SHELL HASH	27.88239783	-97.10393597
3154	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88239783	-97.10393597
2758	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88240006	-97.10409069
3153	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88240006	-97.10409069
3210	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88247729	-97.09991068
3209	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88247952	-97.1000654
3208	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88248176	-97.10022012
3207	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88248399	-97.10037485
3043	D	STUDY AREA B - DEEP, 8+ FT	27.88248622	-97.10052957
3206	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88248622	-97.10052957
3042	D	STUDY AREA B - DEEP, 8+ FT	27.88248846	-97.10068429
3205	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88248846	-97.10068429
2770	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249069	-97.10083901
3204	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249069	-97.10083901
2689	M,H	STUDY AREA B - SHELL HASH	27.88249292	-97.10099373
3203	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249292	-97.10099373
3202	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249515	-97.10114846
3201	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249739	-97.10130318
3200	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88249962	-97.1014579
3199	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88250185	-97.10161262
3198	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88250408	-97.10176735
3197	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88250631	-97.10192207
3196	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88250855	-97.10207679
3195	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88251078	-97.10223151
3194	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88251301	-97.10238624
3193	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88251524	-97.10254096
3192	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88251747	-97.10269568
3034	D	STUDY AREA B - DEEP, 8+ FT	27.8825197	-97.1028504
3191	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8825197	-97.1028504
3190	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252193	-97.10300513
2764	R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252416	-97.10315985
3189	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252416	-97.10315985
2763	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252639	-97.10331457
3188	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252639	-97.10331457

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2762	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252862	-97.10346929
3187	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88252862	-97.10346929
3186	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253085	-97.10362402
3185	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253308	-97.10377874
2761	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253531	-97.10393346
3184	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253531	-97.10393346
3183	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253754	-97.10408818
2760	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253977	-97.10424291
3182	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88253977	-97.10424291
3239	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.882617	-97.10006289
3037	D	STUDY AREA B - DEEP, 8+ FT	27.88261924	-97.10021761
3238	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88261924	-97.10021761
3237	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88262147	-97.10037233
3236	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826237	-97.10052705
3036	D	STUDY AREA B - DEEP, 8+ FT	27.88262594	-97.10068178
3235	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88262594	-97.10068178
3035	D	STUDY AREA B - DEEP, 8+ FT	27.88262817	-97.1008365
3234	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88262817	-97.1008365
2775	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826304	-97.10099122
3233	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826304	-97.10099122
2702	M,H	STUDY AREA B - SHELL HASH	27.88263263	-97.10114594
3232	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88263263	-97.10114594
2774	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88263487	-97.10130067
3231	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88263487	-97.10130067
2773	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826371	-97.10145539
3230	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826371	-97.10145539
2772	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88263933	-97.10161011
3229	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88263933	-97.10161011
2771	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264156	-97.10176484
3228	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264156	-97.10176484
2769	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264379	-97.10191956
3227	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264379	-97.10191956
2768	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264603	-97.10207428
3226	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264603	-97.10207428
2767	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264826	-97.102229
3225	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88264826	-97.102229
3224	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88265049	-97.10238373
3223	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88265272	-97.10253845
3222	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88265495	-97.10269317
3221	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88265718	-97.10284789
3044	D	STUDY AREA B - DEEP, 8+ FT	27.88265941	-97.10300262
3220	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88265941	-97.10300262
3219	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88266164	-97.10315734
2766	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88266387	-97.10331206
3218	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88266387	-97.10331206
2690	F,H	STUDY AREA B - SHELL HASH	27.8826661	-97.10346678
3217	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8826661	-97.10346678



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3216	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88266833	-97.10362151
3215	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267056	-97.10377623
3214	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267279	-97.10393095
2688	F,H	STUDY AREA B - SHELL HASH	27.88267502	-97.10408568
3213	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267502	-97.10408568
2765	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267725	-97.1042404
3212	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267725	-97.1042404
3211	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88267947	-97.10439512
3268	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88275672	-97.1002151
3267	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88275895	-97.10036982
3266	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88276118	-97.10052454
3265	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88276342	-97.10067926
3264	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88276565	-97.10083399
3263	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88276788	-97.10098871
3019	D	STUDY AREA B - DEEP, 8+ FT	27.88277012	-97.10114343
3262	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277012	-97.10114343
2704	M,H	STUDY AREA B - SHELL HASH	27.88277235	-97.10129815
3261	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277235	-97.10129815
2691	M,H	STUDY AREA B - SHELL HASH	27.88277458	-97.10145288
3260	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277458	-97.10145288
3039	D	STUDY AREA B - DEEP, 8+ FT	27.88277681	-97.1016076
3259	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277681	-97.1016076
2778	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277904	-97.10176232
3258	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88277904	-97.10176232
3257	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88278128	-97.10191705
3041	D	STUDY AREA B - DEEP, 8+ FT	27.88278351	-97.10207177
3256	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88278351	-97.10207177
3040	D	STUDY AREA B - DEEP, 8+ FT	27.88278574	-97.10222649
3255	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88278574	-97.10222649
3254	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88278797	-97.10238122
3253	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8827902	-97.10253594
3252	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88279243	-97.10269066
3251	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88279466	-97.10284538
3250	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88279689	-97.10300011
3038	D	STUDY AREA B - DEEP, 8+ FT	27.88279912	-97.10315483
3249	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88279912	-97.10315483
3248	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88280135	-97.10330955
2777	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88280358	-97.10346428
3247	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88280358	-97.10346428
2703	F,H	STUDY AREA B - SHELL HASH	27.88280581	-97.103619
3246	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88280581	-97.103619
3245	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88280804	-97.10377372
3244	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281027	-97.10392844
3243	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8828125	-97.10408317
2779	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281473	-97.10423789
3242	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281473	-97.10423789
2776	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281696	-97.10439261

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3241	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281696	-97.10439261
3240	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88281918	-97.10454734
3297	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88289643	-97.10036731
3296	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88289867	-97.10052203
3295	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8829009	-97.10067675
3294	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88290313	-97.10083147
3293	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88290536	-97.1009862
3292	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8829076	-97.10114092
3291	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88290983	-97.10129564
3048	D	STUDY AREA B - DEEP, 8+ FT	27.88291206	-97.10145037
3290	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88291206	-97.10145037
3047	D	STUDY AREA B - DEEP, 8+ FT	27.88291429	-97.10160509
3289	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88291429	-97.10160509
3046	D	STUDY AREA B - DEEP, 8+ FT	27.88291652	-97.10175981
3288	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88291652	-97.10175981
3045	D	STUDY AREA B - DEEP, 8+ FT	27.88291876	-97.10191454
3287	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88291876	-97.10191454
3022	D	STUDY AREA B - DEEP, 8+ FT	27.88292099	-97.10206926
3286	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88292099	-97.10206926
3021	D	STUDY AREA B - DEEP, 8+ FT	27.88292322	-97.10222398
3285	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88292322	-97.10222398
3020	D	STUDY AREA B - DEEP, 8+ FT	27.88292545	-97.1023787
3284	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88292545	-97.1023787
3283	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88292768	-97.10253343
3282	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88292991	-97.10268815
3281	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88293214	-97.10284287
3280	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88293437	-97.1029976
3279	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8829366	-97.10315232
3018	D	STUDY AREA B - DEEP, 8+ FT	27.88293883	-97.10330704
3278	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88293883	-97.10330704
3017	D	STUDY AREA B - DEEP, 8+ FT	27.88294106	-97.10346177
3277	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294106	-97.10346177
2783	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294329	-97.10361649
3276	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294329	-97.10361649
2782	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294552	-97.10377121
3275	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294552	-97.10377121
3274	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294775	-97.10392593
3273	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88294998	-97.10408066
3272	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295221	-97.10423538
2781	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295444	-97.1043901
3271	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295444	-97.1043901
2780	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295666	-97.10454483
3270	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295666	-97.10454483
3269	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88295889	-97.10469955
3326	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88303615	-97.10051952
3325	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88303838	-97.10067424
3324	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88304061	-97.10082896

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3323	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88304284	-97.10098368
3322	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88304508	-97.10113841
3321	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88304731	-97.10129313
3320	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88304954	-97.10144785
3056	D	STUDY AREA B - DEEP, 8+ FT	27.88305177	-97.10160258
3319	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88305177	-97.10160258
3055	D	STUDY AREA B - DEEP, 8+ FT	27.883054	-97.1017573
3318	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883054	-97.1017573
3054	D	STUDY AREA B - DEEP, 8+ FT	27.88305624	-97.10191202
3317	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88305624	-97.10191202
3053	D	STUDY AREA B - DEEP, 8+ FT	27.88305847	-97.10206675
3316	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88305847	-97.10206675
3052	D	STUDY AREA B - DEEP, 8+ FT	27.8830607	-97.10222147
3315	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8830607	-97.10222147
3051	D	STUDY AREA B - DEEP, 8+ FT	27.88306293	-97.10237619
3314	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88306293	-97.10237619
3050	D	STUDY AREA B - DEEP, 8+ FT	27.88306516	-97.10253092
3313	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88306516	-97.10253092
3312	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88306739	-97.10268564
3311	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88306962	-97.10284036
3310	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88307185	-97.10299509
3309	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88307408	-97.10314981
3308	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88307631	-97.10330453
3049	D	STUDY AREA B - DEEP, 8+ FT	27.88307854	-97.10345926
3307	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88307854	-97.10345926
3058	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.88308077	-97.10361398
3306	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88308077	-97.10361398
2789	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883083	-97.1037687
3305	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883083	-97.1037687
2788	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88308523	-97.10392343
3304	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88308523	-97.10392343
3303	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88308746	-97.10407815
3302	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88308969	-97.10423287
3301	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88309192	-97.1043876
2787	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88309415	-97.10454232
3300	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88309415	-97.10454232
2786	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88309637	-97.10469704
3299	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88309637	-97.10469704
3298	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8830986	-97.10485177
3355	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88317586	-97.10067173
3354	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88317809	-97.10082645
3353	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88318032	-97.10098117
3352	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88318256	-97.1011359
3351	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88318479	-97.10129062
3350	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88318702	-97.10144534
3349	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88318925	-97.10160007
3012	D	STUDY AREA B - DEEP, 8+ FT	27.88319149	-97.10175479

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3348	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88319149	-97.10175479
3010	D	STUDY AREA B - DEEP, 8+ FT	27.88319372	-97.10190951
3347	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88319372	-97.10190951
2794	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88319595	-97.10206424
3346	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88319595	-97.10206424
3013	D	STUDY AREA B - DEEP, 8+ FT	27.88319818	-97.10221896
3345	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88319818	-97.10221896
3009	D	STUDY AREA B - DEEP, 8+ FT	27.88320041	-97.10237368
3344	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88320041	-97.10237368
3008	D	STUDY AREA B - DEEP, 8+ FT	27.88320264	-97.10252841
3343	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88320264	-97.10252841
2793	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88320487	-97.10268313
3342	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88320487	-97.10268313
3341	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8832071	-97.10283785
3340	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88320933	-97.10299258
3339	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88321156	-97.1031473
3338	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88321379	-97.10330202
3337	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88321602	-97.10345675
2792	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88321825	-97.10361147
3336	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88321825	-97.10361147
3059	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.88322048	-97.10376619
3335	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322048	-97.10376619
2791	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322271	-97.10392092
3334	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322271	-97.10392092
2790	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322494	-97.10407564
3333	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322494	-97.10407564
3332	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88322717	-97.10423037
3331	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8832294	-97.10438509
3330	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323163	-97.10453981
2785	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323385	-97.10469454
3329	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323385	-97.10469454
2784	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323608	-97.10484926
3328	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323608	-97.10484926
3327	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88323831	-97.10500398
3384	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88331557	-97.10082393
3383	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88331781	-97.10097866
3382	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88332004	-97.10113338
3381	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88332227	-97.10128811
3380	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8833245	-97.10144283
3379	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88332673	-97.10159755
3378	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88332897	-97.10175228
3016	D	STUDY AREA B - DEEP, 8+ FT	27.8833312	-97.101907
3377	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8833312	-97.101907
3015	D	STUDY AREA B - DEEP, 8+ FT	27.88333343	-97.10206172
3376	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88333343	-97.10206172
2804	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88333566	-97.10221645
3375	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88333566	-97.10221645



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3014	D	STUDY AREA B - DEEP, 8+ FT	27.88333789	-97.10237117
3374	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88333789	-97.10237117
2803	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334012	-97.1025259
3373	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334012	-97.1025259
2802	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334235	-97.10268062
3372	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334235	-97.10268062
2801	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334458	-97.10283534
3371	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334458	-97.10283534
3370	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334681	-97.10299007
3369	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88334904	-97.10314479
3368	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88335127	-97.10329951
3367	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8833535	-97.10345424
3366	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88335573	-97.10360896
2800	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88335796	-97.10376369
3365	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88335796	-97.10376369
3060	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.88336019	-97.10391841
3364	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336019	-97.10391841
2799	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336242	-97.10407313
3363	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336242	-97.10407313
2798	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336465	-97.10422786
3362	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336465	-97.10422786
3361	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336688	-97.10438258
3360	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88336911	-97.1045373
2797	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337133	-97.10469203
3359	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337133	-97.10469203
3358	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337356	-97.10484675
2796	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337579	-97.10500148
3357	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337579	-97.10500148
2795	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337802	-97.1051562
3356	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88337802	-97.1051562
3413	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88345529	-97.10097615
3412	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88345752	-97.10113087
3411	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88345975	-97.10128559
3410	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88346198	-97.10144032
3409	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88346421	-97.10159504
3408	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88346645	-97.10174977
3407	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88346868	-97.10190449
3406	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347091	-97.10205921
2815	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347314	-97.10221394
3405	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347314	-97.10221394
2814	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347537	-97.10236866
3404	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347537	-97.10236866
2813	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8834776	-97.10252339
3403	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8834776	-97.10252339
2812	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347983	-97.10267811
3402	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88347983	-97.10267811
2811	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348206	-97.10283283

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3401	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348206	-97.10283283
2810	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348429	-97.10298756
3400	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348429	-97.10298756
3399	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348652	-97.10314228
3398	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88348875	-97.103297
3397	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88349098	-97.10345173
3396	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88349321	-97.10360645
3395	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88349544	-97.10376118
2809	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88349767	-97.1039159
3394	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88349767	-97.1039159
3061	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.8834999	-97.10407062
3393	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8834999	-97.10407062
2808	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350213	-97.10422535
3392	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350213	-97.10422535
2807	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350436	-97.10438007
3391	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350436	-97.10438007
3390	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350659	-97.1045348
3389	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88350882	-97.10468952
2806	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88351104	-97.10484424
3388	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88351104	-97.10484424
3387	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88351327	-97.10499897
2805	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8835155	-97.10515369
3386	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8835155	-97.10515369
3385	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88351773	-97.10530842
3442	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883595	-97.10112836
3441	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88359723	-97.10128308
3440	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88359946	-97.10143781
3439	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8836017	-97.10159253
3438	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88360393	-97.10174725
3437	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88360616	-97.10190198
3436	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88360839	-97.1020567
3435	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361062	-97.10221143
2826	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361285	-97.10236615
3434	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361285	-97.10236615
2825	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361508	-97.10252087
3433	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361508	-97.10252087
2824	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361731	-97.1026756
3432	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361731	-97.1026756
3431	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88361954	-97.10283032
2823	F,T	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88362177	-97.10298505
3430	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88362177	-97.10298505
2822	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883624	-97.10313977
3429	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.883624	-97.10313977
3428	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88362623	-97.10329449
3427	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88362846	-97.10344922
3426	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363069	-97.10360394
3425	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363292	-97.10375867



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3424	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363515	-97.10391339
2821	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363738	-97.10406812
3423	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363738	-97.10406812
3063	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.88363961	-97.10422284
3422	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88363961	-97.10422284
2820	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88364184	-97.10437756
3421	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88364184	-97.10437756
2819	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88364407	-97.10453229
3420	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88364407	-97.10453229
3419	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8836463	-97.10468701
3418	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88364852	-97.10484174
2818	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365075	-97.10499646
3417	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365075	-97.10499646
3062	TRANS. LINE	STUDY AREA B - NAV HAZARD/N	27.88365298	-97.10515119
3416	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365298	-97.10515119
2817	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365521	-97.10530591
3415	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365521	-97.10530591
2816	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365744	-97.10546063
3414	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88365744	-97.10546063
3470	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88373471	-97.10128057
3469	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88373694	-97.10143529
3468	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88373918	-97.10159002
3467	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88374141	-97.10174474
3466	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88374364	-97.10189947
3465	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88374587	-97.10205419
3464	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8837481	-97.10220891
3463	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375033	-97.10236364
3462	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375256	-97.10251836
2835	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375479	-97.10267309
3461	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375479	-97.10267309
2834	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375703	-97.10282781
3460	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375703	-97.10282781
2833	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375926	-97.10298254
3459	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88375926	-97.10298254
2832	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376149	-97.10313726
3458	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376149	-97.10313726
2831	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376372	-97.10329199
3457	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376372	-97.10329199
3456	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376595	-97.10344671
3455	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88376817	-97.10360143
3454	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8837704	-97.10375616
3453	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377263	-97.10391088
3452	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377486	-97.10406561
2830	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377709	-97.10422033
3451	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377709	-97.10422033
2829	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377932	-97.10437506
3450	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88377932	-97.10437506

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3449	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88378155	-97.10452978
2705	F,H	STUDY AREA B - SHELL HASH	27.88378378	-97.10468451
3448	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88378378	-97.10468451
3447	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88378601	-97.10483923
3446	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88378823	-97.10499395
2828	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88379046	-97.10514868
3445	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88379046	-97.10514868
3444	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88379269	-97.1053034
2827	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88379492	-97.10545813
3443	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88379492	-97.10545813
3498	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88387442	-97.10143278
3497	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88387666	-97.10158751
3496	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88387889	-97.10174223
3495	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88388112	-97.10189696
3494	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88388335	-97.10205168
3493	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88388558	-97.1022064
3492	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88388781	-97.10236113
3006	D	STUDY AREA B - DEEP, 8+ FT	27.88389004	-97.10251585
3491	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389004	-97.10251585
2847	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389228	-97.10267058
3490	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389228	-97.10267058
2846	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389451	-97.1028253
3489	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389451	-97.1028253
2845	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389674	-97.10298003
3488	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389674	-97.10298003
2844	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389897	-97.10313475
3487	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88389897	-97.10313475
2843	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839012	-97.10328948
3486	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839012	-97.10328948
2842	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88390343	-97.1034442
3485	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88390343	-97.1034442
3484	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88390566	-97.10359893
3483	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88390789	-97.10375365
3482	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88391011	-97.10390837
3481	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88391234	-97.1040631
3480	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88391457	-97.10421782
2841	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839168	-97.10437255
3479	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839168	-97.10437255
3478	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88391903	-97.10452727
3477	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392126	-97.104682
2840	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392349	-97.10483672
3476	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392349	-97.10483672
2839	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392571	-97.10499145
3475	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392571	-97.10499145
3474	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88392794	-97.10514617
2838	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88393017	-97.1053009
3473	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88393017	-97.1053009

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2837	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839324	-97.10545562
3472	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8839324	-97.10545562
2836	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88393462	-97.10561034
3471	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88393462	-97.10561034
3526	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88401414	-97.10158499
3525	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88401637	-97.10173972
3524	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8840186	-97.10189444
3523	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88402083	-97.10204917
3522	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88402306	-97.10220389
3521	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88402529	-97.10235862
3520	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88402753	-97.10251334
3519	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88402976	-97.10266807
2661	F,H	STUDY AREA B - SHELL HASH	27.88403199	-97.10282279
3518	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403199	-97.10282279
2662	M,H	STUDY AREA B - SHELL HASH	27.88403422	-97.10297752
3517	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403422	-97.10297752
2856	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403645	-97.10313224
3516	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403645	-97.10313224
2855	F,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403868	-97.10328697
3515	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88403868	-97.10328697
2854	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404091	-97.10344169
3514	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404091	-97.10344169
2853	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404314	-97.10359642
3513	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404314	-97.10359642
3512	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404537	-97.10375114
3511	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404759	-97.10390587
3510	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88404982	-97.10406059
3509	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88405205	-97.10421532
3508	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88405428	-97.10437004
2852	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88405651	-97.10452477
3507	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88405651	-97.10452477
3506	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88405874	-97.10467949
2851	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406097	-97.10483421
3505	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406097	-97.10483421
2850	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406319	-97.10498894
3504	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406319	-97.10498894
3503	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406542	-97.10514366
3502	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406765	-97.10529839
2706	F,H	STUDY AREA B - SHELL HASH	27.88406988	-97.10545311
3501	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88406988	-97.10545311
2849	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8840721	-97.10560784
3500	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8840721	-97.10560784
2848	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88407433	-97.10576256
3499	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88407433	-97.10576256
3554	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88415385	-97.10173721
3553	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88415608	-97.10189193
3552	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88415831	-97.10204666

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3551	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88416054	-97.10220138
3550	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88416278	-97.10235611
3549	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88416501	-97.10251083
3548	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88416724	-97.10266556
3547	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88416947	-97.10282028
2865	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417117	-97.10297501
3546	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417117	-97.10297501
2659	M,H	STUDY AREA B - SHELL HASH	27.88417393	-97.10312973
3545	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417393	-97.10312973
2864	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417616	-97.10328446
3544	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417616	-97.10328446
2660	F,H	STUDY AREA B - SHELL HASH	27.88417839	-97.10343918
3543	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88417839	-97.10343918
2863	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418062	-97.10359391
3542	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418062	-97.10359391
2862	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418285	-97.10374863
3541	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418285	-97.10374863
3540	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418508	-97.10390336
3539	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8841873	-97.10405808
3538	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88418953	-97.10421281
3537	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88419176	-97.10436753
3536	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88419399	-97.10452226
2861	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88419622	-97.10467698
3535	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88419622	-97.10467698
3534	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88419845	-97.10483171
2860	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88420068	-97.10498643
3533	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88420068	-97.10498643
2859	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8842029	-97.10514116
3532	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8842029	-97.10514116
3531	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88420513	-97.10529588
3530	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88420736	-97.10545061
3529	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88420959	-97.10560533
2858	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88421181	-97.10576006
3528	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88421181	-97.10576006
2857	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88421404	-97.10591478
3527	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88421404	-97.10591478
3582	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88429356	-97.10188942
3581	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88429579	-97.10204415
3580	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88429802	-97.10219887
3579	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88430026	-97.1023536
3578	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88430249	-97.10250832
3577	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88430472	-97.10266305
3576	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88430695	-97.10281777
3575	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88430918	-97.1029725
2875	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88431141	-97.10312722
3574	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88431141	-97.10312722
2670	F,H	STUDY AREA B - SHELL HASH	27.88431364	-97.10328195



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3573	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88431364	-97.10328195
2874	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88431587	-97.10343667
3572	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88431587	-97.10343667
2873	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8843181	-97.1035914
3571	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8843181	-97.1035914
2872	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432033	-97.10374612
3570	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432033	-97.10374612
2663	F,H	STUDY AREA B - SHELL HASH	27.88432256	-97.10390085
3569	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432256	-97.10390085
3568	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432479	-97.10405557
3567	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432701	-97.1042103
3566	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88432924	-97.10436502
3565	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88433147	-97.10451975
3564	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8843337	-97.10467447
2870	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88433593	-97.1048292
3563	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88433593	-97.1048292
2871	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88433816	-97.10498392
3562	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88433816	-97.10498392
2869	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434038	-97.10513865
3561	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434038	-97.10513865
2868	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434261	-97.10529338
3560	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434261	-97.10529338
3559	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434484	-97.1054481
3558	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434707	-97.10560282
2867	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434929	-97.10575755
3557	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88434929	-97.10575755
2658	F,H	STUDY AREA B - SHELL HASH	27.88435152	-97.10591228
3556	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88435152	-97.10591228
2866	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88435375	-97.106067
3555	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88435375	-97.106067
3610	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88443327	-97.10204164
3609	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88443551	-97.10219636
3608	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88443774	-97.10235109
3607	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88443997	-97.10250581
3606	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8844422	-97.10266054
3605	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88444443	-97.10281526
3604	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88444666	-97.10296999
3603	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88444889	-97.10312471
2667	F,H	STUDY AREA B - SHELL HASH	27.88445112	-97.10327944
3602	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88445112	-97.10327944
2665	F,H	STUDY AREA B - SHELL HASH	27.88445335	-97.10343416
3601	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88445335	-97.10343416
2880	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88445558	-97.10358889
3600	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88445558	-97.10358889
2664	F,H	STUDY AREA B - SHELL HASH	27.88445781	-97.10374361
3599	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88445781	-97.10374361
2882	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446004	-97.10389834

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3598	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446004	-97.10389834
2881	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446227	-97.10405307
3597	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446227	-97.10405307
3596	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446449	-97.10420779
3595	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446672	-97.10436252
3594	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88446895	-97.10451724
3593	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88447118	-97.10467197
3592	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88447341	-97.10482669
2879	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88447564	-97.10498142
3591	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88447564	-97.10498142
3590	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88447786	-97.10513614
2878	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88448009	-97.10529087
3589	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88448009	-97.10529087
3011	D	STUDY AREA B - DEEP, 8+ FT	27.88448232	-97.10544559
3588	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88448232	-97.10544559
3587	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88448455	-97.10560032
3586	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88448677	-97.10575504
3585	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.884489	-97.10590977
2877	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88449123	-97.10606449
3584	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88449123	-97.10606449
2876	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88449345	-97.10621922
3583	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88449345	-97.10621922
3638	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88457299	-97.10219385
3637	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88457522	-97.10234858
3636	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88457745	-97.1025033
3635	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88457968	-97.10265803
3634	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88458191	-97.10281275
3633	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88458414	-97.10296748
3632	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88458637	-97.1031222
3631	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8845886	-97.10327693
2959	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459083	-97.10343165
3630	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459083	-97.10343165
2958	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459306	-97.10358638
3629	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459306	-97.10358638
2957	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459529	-97.10374111
3628	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459529	-97.10374111
2956	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459752	-97.10389583
3627	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459752	-97.10389583
2955	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459975	-97.10405056
3626	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88459975	-97.10405056
2954	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88460198	-97.10420528
3625	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88460198	-97.10420528
3624	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8846042	-97.10436001
3623	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88460643	-97.10451473
3622	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88460866	-97.10466946
3621	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88461089	-97.10482418
3620	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88461312	-97.10497891



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2953	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88461535	-97.10513364
3619	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88461535	-97.10513364
3618	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88461757	-97.10528836
2952	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8846198	-97.10544309
3617	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8846198	-97.10544309
2886	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462203	-97.10559781
3616	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462203	-97.10559781
2885	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462425	-97.10575254
3615	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462425	-97.10575254
3614	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462648	-97.10590726
3613	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88462871	-97.10606199
2884	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88463093	-97.10621672
3612	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88463093	-97.10621672
2883	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88463316	-97.10637144
3611	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88463316	-97.10637144
3666	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8847127	-97.10234606
3665	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88471493	-97.10250079
3664	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88471716	-97.10265552
3663	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88471939	-97.10281024
3662	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88472162	-97.10296497
3661	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88472385	-97.10311969
3660	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88472608	-97.10327442
3659	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88472831	-97.10342914
2968	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473054	-97.10358387
3658	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473054	-97.10358387
2967	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473277	-97.1037386
3657	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473277	-97.1037386
2966	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.884735	-97.10389332
3656	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.884735	-97.10389332
2678	F,H	STUDY AREA B - SHELL HASH	27.88473723	-97.10404805
3655	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473723	-97.10404805
2965	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473946	-97.10420277
3654	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88473946	-97.10420277
2964	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88474169	-97.1043575
3653	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88474169	-97.1043575
3652	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88474391	-97.10451223
3651	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88474614	-97.10466695
3650	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88474837	-97.10482168
3649	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8847506	-97.1049764
3648	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475283	-97.10513113
2963	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475505	-97.10528585
3647	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475505	-97.10528585
3646	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475728	-97.10544058
2962	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475951	-97.10559531
3645	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88475951	-97.10559531
3644	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88476174	-97.10575003
3643	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88476396	-97.10590476

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3642	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88476619	-97.10605948
3641	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88476842	-97.10621421
2961	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88477064	-97.10636894
3640	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88477064	-97.10636894
2960	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88477287	-97.10652366
3639	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88477287	-97.10652366
3694	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88485241	-97.10249828
3693	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88485464	-97.10265301
3692	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88485687	-97.10280773
3691	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8848591	-97.10296246
3690	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88486133	-97.10311718
3689	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88486356	-97.10327191
3688	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88486579	-97.10342663
3687	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88486802	-97.10358136
2976	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487025	-97.10373609
3686	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487025	-97.10373609
2975	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487248	-97.10389081
3685	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487248	-97.10389081
2677	F,H	STUDY AREA B - SHELL HASH	27.88487471	-97.10404554
3684	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487471	-97.10404554
2676	F,H	STUDY AREA B - SHELL HASH	27.88487694	-97.10420027
3683	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487694	-97.10420027
2974	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487917	-97.10435499
3682	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88487917	-97.10435499
2973	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88488139	-97.10450972
3681	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88488139	-97.10450972
3680	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88488362	-97.10466444
3679	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88488585	-97.10481917
3678	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88488808	-97.10497389
3677	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489031	-97.10512862
3676	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489253	-97.10528335
2972	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489476	-97.10543807
3675	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489476	-97.10543807
3674	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489699	-97.1055928
2971	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489922	-97.10574753
3673	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88489922	-97.10574753
2970	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88490144	-97.10590225
3672	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88490144	-97.10590225
3671	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88490367	-97.10605698
3670	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8849059	-97.1062117
3669	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88490812	-97.10636643
3668	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88491035	-97.10652116
2969	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88491257	-97.10667588
3667	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88491257	-97.10667588
3722	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88499212	-97.1026505
3721	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88499435	-97.10280522
3720	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88499658	-97.10295995

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3719	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88499881	-97.10311467
3718	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88500104	-97.1032694
3717	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88500327	-97.10342413
3716	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8850055	-97.10357885
3715	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88500773	-97.10373358
2986	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88500996	-97.1038883
3714	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88500996	-97.1038883
2985	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501219	-97.10404303
3713	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501219	-97.10404303
2984	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501442	-97.10419776
3712	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501442	-97.10419776
2680	F,H,R	STUDY AREA B - SHELL HASH	27.88501665	-97.10435248
3711	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501665	-97.10435248
2983	F,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501888	-97.10450721
3710	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88501888	-97.10450721
2681	F,H	STUDY AREA B - SHELL HASH	27.8850211	-97.10466194
3709	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8850211	-97.10466194
3708	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88502333	-97.10481666
3707	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88502556	-97.10497139
3706	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88502779	-97.10512611
3705	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503001	-97.10528084
3704	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503224	-97.10543557
2982	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503447	-97.10559029
3703	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503447	-97.10559029
2981	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8850367	-97.10574502
3702	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8850367	-97.10574502
2980	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503892	-97.10589975
3701	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88503892	-97.10589975
2979	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88504115	-97.10605447
3700	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88504115	-97.10605447
3699	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88504338	-97.1062092
3698	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8850456	-97.10636392
3697	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88504783	-97.10651865
2978	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88505006	-97.10667338
3696	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88505006	-97.10667338
2977	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88505228	-97.1068281
3695	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88505228	-97.1068281
3750	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88513183	-97.10280271
3749	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88513406	-97.10295744
3748	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88513629	-97.10311216
3747	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88513852	-97.10326689
3746	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514075	-97.10342162
3745	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514298	-97.10357634
3744	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514521	-97.10373107
3743	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514744	-97.10388579
2997	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514967	-97.10404052
3742	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88514967	-97.10404052

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2996	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8851519	-97.10419525
3741	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8851519	-97.10419525
2679	F,H	STUDY AREA B - SHELL HASH	27.88515413	-97.10434998
3740	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88515413	-97.10434998
2995	F,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88515636	-97.1045047
3739	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88515636	-97.1045047
2994	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88515858	-97.10465943
3738	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88515858	-97.10465943
2993	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88516081	-97.10481415
3737	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88516081	-97.10481415
3736	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88516304	-97.10496888
3735	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88516527	-97.10512361
3734	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8851675	-97.10527833
3733	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88516972	-97.10543306
3732	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88517195	-97.10558779
2992	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88517418	-97.10574251
3731	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88517418	-97.10574251
2991	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8851764	-97.10589724
3730	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8851764	-97.10589724
3729	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88517863	-97.10605197
2990	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518086	-97.10620669
3728	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518086	-97.10620669
3727	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518308	-97.10636142
3726	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518531	-97.10651614
2989	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518754	-97.10667087
3725	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518754	-97.10667087
2988	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518976	-97.1068256
3724	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88518976	-97.1068256
2987	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88519199	-97.10698032
3723	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88519199	-97.10698032
3778	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88527154	-97.10295493
3777	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88527377	-97.10310965
3776	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.885276	-97.10326438
3775	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88527823	-97.10341911
3774	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528046	-97.10357383
3773	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528269	-97.10372856
3772	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528492	-97.10388329
3771	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528715	-97.10403801
2894	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528938	-97.10419274
3770	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88528938	-97.10419274
2893	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529161	-97.10434747
3769	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529161	-97.10434747
2892	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529384	-97.10450219
3768	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529384	-97.10450219
2891	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529606	-97.10465692
3767	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529606	-97.10465692
2890	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529829	-97.10481165



**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3766	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88529829	-97.10481165
2889	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88530052	-97.10496637
3765	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88530052	-97.10496637
3764	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88530275	-97.1051211
3763	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88530498	-97.10527583
3762	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8853072	-97.10543055
3761	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88530943	-97.10558528
3760	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531166	-97.10574001
2888	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531389	-97.10589473
3759	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531389	-97.10589473
2887	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531611	-97.10604946
3758	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531611	-97.10604946
3757	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88531834	-97.10620419
3000	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532056	-97.10635891
3756	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532056	-97.10635891
3755	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532279	-97.10651364
3754	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532502	-97.10666837
2999	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532724	-97.10682309
3753	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532724	-97.10682309
2998	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532947	-97.10697782
3752	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88532947	-97.10697782
3751	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88533169	-97.10713255
3806	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88541125	-97.10310714
3805	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88541348	-97.10326187
3804	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88541571	-97.1034166
3803	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88541794	-97.10357132
3802	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88542017	-97.10372605
3801	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8854224	-97.10388078
3800	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88542463	-97.10403551
3799	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88542686	-97.10419023
2902	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88542909	-97.10434496
3798	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88542909	-97.10434496
2671	M,H	STUDY AREA B - SHELL HASH	27.88543132	-97.10449969
3797	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88543132	-97.10449969
2918	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88543355	-97.10465441
3796	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88543355	-97.10465441
2657	M,H	STUDY AREA B - SHELL HASH	27.88543577	-97.10480914
3795	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88543577	-97.10480914
2901	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.885438	-97.10496387
3794	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.885438	-97.10496387
2656	F,H	STUDY AREA B - SHELL HASH	27.88544023	-97.10511859
3793	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88544023	-97.10511859
3792	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88544246	-97.10527332
3791	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88544468	-97.10542805
3790	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88544691	-97.10558277
3789	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88544914	-97.1057375
3788	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545137	-97.10589223

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2900	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545359	-97.10604695
3787	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545359	-97.10604695
3007	D	STUDY AREA B - DEEP, 8+ FT	27.88545582	-97.10620168
3786	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545582	-97.10620168
2899	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545805	-97.10635641
3785	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88545805	-97.10635641
2898	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546027	-97.10651113
3784	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546027	-97.10651113
3783	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8854625	-97.10666586
3782	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546472	-97.10682059
2897	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546695	-97.10697532
3781	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546695	-97.10697532
2896	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546917	-97.10713004
3780	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88546917	-97.10713004
2895	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8854714	-97.10728477
3779	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8854714	-97.10728477
3834	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88555096	-97.10325936
3833	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88555319	-97.10341409
3832	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88555542	-97.10356882
3831	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88555765	-97.10372354
3830	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88555988	-97.10387827
3829	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88556211	-97.104033
3828	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88556434	-97.10418772
2911	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88556657	-97.10434245
3827	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88556657	-97.10434245
2668	F,H	STUDY AREA B - SHELL HASH	27.8855688	-97.10449718
3826	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8855688	-97.10449718
2910	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557103	-97.1046519
3825	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557103	-97.1046519
3824	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557325	-97.10480663
2669	F,H	STUDY AREA B - SHELL HASH	27.88557548	-97.10496136
3823	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557548	-97.10496136
2909	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557771	-97.10511609
3822	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557771	-97.10511609
2666	F,H	STUDY AREA B - SHELL HASH	27.88557994	-97.10527081
3821	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88557994	-97.10527081
3820	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88558217	-97.10542554
3819	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88558439	-97.10558027
3818	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88558662	-97.10573499
3817	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88558885	-97.10588972
3816	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559107	-97.10604445
3815	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8855933	-97.10619918
3814	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559553	-97.1063539
2908	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559775	-97.10650863
3813	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559775	-97.10650863
2907	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559998	-97.10666336
3812	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88559998	-97.10666336



**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2674	S,H	STUDY AREA B - SHELL HASH	27.8856022	-97.10681808
3811	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8856022	-97.10681808
2906	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560443	-97.10697281
3810	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560443	-97.10697281
2905	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560666	-97.10712754
3809	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560666	-97.10712754
2904	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560888	-97.10728227
3808	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88560888	-97.10728227
2903	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88561111	-97.10743699
3807	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88561111	-97.10743699
3862	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88569068	-97.10341158
3861	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8856929	-97.10356631
3860	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88569513	-97.10372103
3859	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88569736	-97.10387576
3858	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88569959	-97.10403049
3857	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88570182	-97.10418522
3856	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88570405	-97.10433994
2675	F,H	STUDY AREA B - SHELL HASH	27.88570628	-97.10449467
3855	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88570628	-97.10449467
2917	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88570851	-97.1046494
3854	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88570851	-97.1046494
2916	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571074	-97.10480412
3853	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571074	-97.10480412
2915	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571296	-97.10495885
3852	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571296	-97.10495885
2914	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571519	-97.10511358
3851	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571519	-97.10511358
3850	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571742	-97.10526831
2913	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571965	-97.10542303
3849	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88571965	-97.10542303
3848	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88572187	-97.10557776
3847	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8857241	-97.10573249
3846	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88572633	-97.10588721
3845	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88572855	-97.10604194
3844	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88573078	-97.10619667
3843	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88573301	-97.1063514
3842	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88573523	-97.10650612
3841	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88573746	-97.10666085
3840	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88573969	-97.10681558
3839	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88574191	-97.10697031
3838	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88574414	-97.10712503
3837	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88574636	-97.10727976
3836	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88574859	-97.10743449
2912	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88575081	-97.10758922
3835	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88575081	-97.10758922
2645	G	STUDY AREA B - SEAGRASS PRESENT	27.88576078	-97.10771508
3890	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88583039	-97.1035638

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3889	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88583262	-97.10371852
3888	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88583484	-97.10387325
3887	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88583707	-97.10402798
3886	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8858393	-97.10418271
3885	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584153	-97.10433743
3884	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584376	-97.10449216
2938	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584599	-97.10464689
3883	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584599	-97.10464689
2923	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584822	-97.10480162
3882	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88584822	-97.10480162
2922	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585044	-97.10495634
3881	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585044	-97.10495634
2921	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585267	-97.10511107
3880	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585267	-97.10511107
3057	D	STUDY AREA B - DEEP, 8+ FT	27.8858549	-97.1052658
3879	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8858549	-97.1052658
2920	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585713	-97.10542053
3878	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585713	-97.10542053
2919	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585935	-97.10557525
3877	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88585935	-97.10557525
3876	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88586158	-97.10572998
3875	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88586381	-97.10588471
3874	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88586603	-97.10603944
3873	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88586826	-97.10619416
3872	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88587049	-97.10634889
3871	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88587271	-97.10650362
3870	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88587494	-97.10665835
3869	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88587717	-97.10681307
3868	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88587939	-97.1069678
3867	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88588162	-97.10712253
3866	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88588384	-97.10727726
3865	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88588607	-97.10743198
3864	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88588829	-97.10758671
3863	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88589052	-97.10774144
3918	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8859701	-97.10371602
3917	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88597233	-97.10387074
3916	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88597455	-97.10402547
3915	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88597678	-97.1041802
3914	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88597901	-97.10433493
3913	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88598124	-97.10448965
3912	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88598347	-97.10464438
3911	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8859857	-97.10479911
2929	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88598792	-97.10495384
3910	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88598792	-97.10495384
2928	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599015	-97.10510856
3909	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599015	-97.10510856
2927	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599238	-97.10526329

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3908	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599238	-97.10526329
2926	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599461	-97.10541802
3907	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599461	-97.10541802
2925	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599684	-97.10557275
3906	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599684	-97.10557275
2924	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599906	-97.10572748
3905	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88599906	-97.10572748
3904	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88600129	-97.1058822
3903	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88600352	-97.10603693
3902	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88600574	-97.10619166
3901	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88600797	-97.10634639
3900	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88601019	-97.10650111
3899	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88601242	-97.10665584
3898	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88601465	-97.10681057
3897	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88601687	-97.1069653
3896	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8860191	-97.10712003
3895	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88602132	-97.10727475
3894	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88602355	-97.10742948
3893	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88602577	-97.10758421
3892	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.886028	-97.10773894
3891	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88603022	-97.10789366
3947	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88610981	-97.10386823
3946	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88611203	-97.10402296
3945	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88611426	-97.10417769
3944	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88611649	-97.10433242
3943	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88611872	-97.10448715
3942	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612095	-97.10464187
3941	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612318	-97.1047966
3940	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612541	-97.10495133
2936	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612763	-97.10510606
3939	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612763	-97.10510606
2935	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612986	-97.10526079
3938	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88612986	-97.10526079
2932	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613209	-97.10541551
3937	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613209	-97.10541551
2931	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613432	-97.10557024
3936	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613432	-97.10557024
2673	F,H	STUDY AREA B - SHELL HASH	27.88613654	-97.10572497
3935	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613654	-97.10572497
2930	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613877	-97.1058797
3934	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88613877	-97.1058797
3933	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.886141	-97.10603442
3932	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88614322	-97.10618915
3931	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88614545	-97.10634388
3930	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88614768	-97.10649861
3929	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8861499	-97.10665334
3928	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88615213	-97.10680806

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3927	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88615435	-97.10696279
3926	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88615658	-97.10711752
3925	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8861588	-97.10727225
3924	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88616103	-97.10742698
3923	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88616325	-97.1075817
3922	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88616548	-97.10773643
3921	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8861677	-97.10789116
3920	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88616993	-97.10804589
3919	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88617215	-97.10820062
3975	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88624952	-97.10402045
3974	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88625174	-97.10417518
3973	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88625397	-97.10432991
3972	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8862562	-97.10448464
3971	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88625843	-97.10463937
3970	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626066	-97.10479409
3969	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626289	-97.10494882
3968	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626511	-97.10510355
2708	M,H	STUDY AREA B - SHELL HASH	27.88626734	-97.10525828
3967	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626734	-97.10525828
2934	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626957	-97.10541301
3966	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88626957	-97.10541301
2933	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8862718	-97.10556773
3965	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8862718	-97.10556773
2672	F,H	STUDY AREA B - SHELL HASH	27.88627402	-97.10572246
3964	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88627402	-97.10572246
2937	F,R	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88627625	-97.10587719
3963	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88627625	-97.10587719
3962	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8862807	-97.10618665
3961	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88628293	-97.10634137
3960	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88628516	-97.1064961
3959	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88628738	-97.10665083
3958	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88628961	-97.10680556
3957	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88629183	-97.10696029
3956	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88629406	-97.10711502
3955	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88629628	-97.10726974
3954	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88629851	-97.10742447
3953	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88630073	-97.1075792
3952	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88630296	-97.10773393
3951	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88630518	-97.10788866
3950	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88630741	-97.10804339
3949	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88630963	-97.10819811
3948	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88631186	-97.10835284
4004	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88638923	-97.10417267
4003	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88639145	-97.1043274
4002	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88639368	-97.10448213
4001	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88639591	-97.10463686
4000	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88639814	-97.10479159



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
3999	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640037	-97.10494631
3998	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8864026	-97.10510104
3997	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640482	-97.10525577
2940	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640705	-97.1054105
3996	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640705	-97.1054105
2939	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640928	-97.10556523
3995	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88640928	-97.10556523
3994	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8864115	-97.10571996
2709	M,H	STUDY AREA B - SHELL HASH	27.88641373	-97.10587468
3993	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88641373	-97.10587468
3992	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88641596	-97.10602941
3991	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88641818	-97.10618414
3990	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88642041	-97.10633887
3989	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88642264	-97.1064936
3988	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88642486	-97.10664833
3987	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88642709	-97.10680305
3986	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88642931	-97.10695778
3985	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88643154	-97.10711251
3984	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88643377	-97.10726724
3983	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88643599	-97.10742197
3982	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88643822	-97.1075767
3981	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88644044	-97.10773142
3980	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88644266	-97.10788615
3979	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88644489	-97.10804088
3978	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88644711	-97.10819561
3977	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88644934	-97.10835034
3976	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88645156	-97.10850507
4033	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88652893	-97.10432489
4032	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88653116	-97.10447962
4031	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88653339	-97.10463435
4030	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88653562	-97.10478908
4029	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88653785	-97.10494381
4028	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88654008	-97.10509854
4027	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8865423	-97.10525326
4026	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88654453	-97.10540799
2942	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88654676	-97.10556272
4025	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88654676	-97.10556272
4024	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88654899	-97.10571745
2941	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88655121	-97.10587218
4023	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88655121	-97.10587218
4022	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88655344	-97.10602691
4021	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88655567	-97.10618164
4020	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88655789	-97.10633636
4019	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88656012	-97.10649109
4018	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88656234	-97.10664582
4017	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88656457	-97.10680055
4016	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8865668	-97.10695528



**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4015	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88656902	-97.10711001
4014	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88657125	-97.10726473
4013	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88657347	-97.10741946
4012	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8865757	-97.10757419
4011	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88657792	-97.10772892
4010	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88658015	-97.10788365
4009	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88658237	-97.10803838
4008	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88658459	-97.10819311
4007	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88658682	-97.10834784
4006	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88658904	-97.10850256
4005	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88659127	-97.10865729
4062	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88666864	-97.10447711
4061	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88667087	-97.10463184
4060	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8866731	-97.10478657
4059	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88667533	-97.1049413
4058	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88667756	-97.10509603
4057	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88667978	-97.10525076
4056	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88668201	-97.10540548
4055	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88668424	-97.10556021
2945	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88668647	-97.10571494
4054	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88668647	-97.10571494
4053	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88668869	-97.10586967
2943	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88669092	-97.1060244
4052	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88669092	-97.1060244
4051	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88669315	-97.10617913
4050	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88669537	-97.10633386
4049	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8866976	-97.10648859
4048	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88669982	-97.10664332
4047	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88670205	-97.10679804
4046	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88670428	-97.10695277
4045	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8867065	-97.1071075
4044	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88670873	-97.10726223
4043	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88671095	-97.10741696
4042	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88671318	-97.10757169
4041	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8867154	-97.10772642
4040	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88671763	-97.10788115
4039	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88671985	-97.10803588
4038	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88672208	-97.1081906
4037	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8867243	-97.10834533
4036	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88672652	-97.10850006
4035	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88672875	-97.10865479
4034	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88673097	-97.10880952
4091	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88680835	-97.10462933
4090	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88681058	-97.10478406
4089	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88681281	-97.10493879
4088	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88681504	-97.10509352
4087	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88681727	-97.10524825

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4086	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88681949	-97.10540298
4085	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88682172	-97.10555771
4084	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88682395	-97.10571244
2687	M,H	STUDY AREA B - SHELL HASH	27.88682617	-97.10586716
4083	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88682617	-97.10586716
4082	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8868284	-97.10602189
2686	M,H	STUDY AREA B - SHELL HASH	27.88683063	-97.10617662
4081	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88683063	-97.10617662
4080	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88683285	-97.10633135
4079	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88683508	-97.10648608
4078	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88683731	-97.10664081
4077	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88683953	-97.10679554
4076	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88684176	-97.10695027
4075	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88684398	-97.107105
4074	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88684621	-97.10725973
4073	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88684843	-97.10741446
4072	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88685066	-97.10756918
4071	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88685288	-97.10772391
4070	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88685511	-97.10787864
4069	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88685733	-97.10803337
4068	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88685956	-97.1081881
4067	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88686178	-97.10834283
4066	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.886864	-97.10849756
4065	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88686623	-97.10865229
4064	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88686845	-97.10880702
4063	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88687067	-97.10896175
4120	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88694806	-97.10478156
4119	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88695029	-97.10493628
4118	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88695252	-97.10509101
4117	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88695475	-97.10524574
4116	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88695697	-97.10540047
4115	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8869592	-97.1055552
4114	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88696143	-97.10570993
4113	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88696365	-97.10586466
4112	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88696588	-97.10601939
4111	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88696811	-97.10617412
2944	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697033	-97.10632885
4110	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697033	-97.10632885
4109	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697256	-97.10648358
4108	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697479	-97.10663831
4107	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697701	-97.10679303
4106	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88697924	-97.10694776
4105	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88698146	-97.10710249
4104	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88698369	-97.10725722
4103	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88698591	-97.10741195
4102	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88698814	-97.10756668
4101	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88699036	-97.10772141

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4100	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88699259	-97.10787614
4099	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88699481	-97.10803087
4098	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88699704	-97.1081856
4097	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88699926	-97.10834033
4096	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88700148	-97.10849506
4095	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88700371	-97.10864979
4094	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88700593	-97.10880451
4093	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88700816	-97.10895924
4092	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88701038	-97.10911397
4149	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88708777	-97.10493378
4148	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88709	-97.10508851
4147	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88709223	-97.10524324
4146	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88709445	-97.10539797
4145	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88709668	-97.10555269
4144	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88709891	-97.10570742
4143	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88710114	-97.10586215
4142	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88710336	-97.10601688
4141	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88710559	-97.10617161
2707	M,H	STUDY AREA B - SHELL HASH	27.88710782	-97.10632634
4140	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88710782	-97.10632634
4139	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88711004	-97.10648107
4138	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88711227	-97.1066358
4137	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88711449	-97.10679053
4136	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88711672	-97.10694526
4135	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88711894	-97.10709999
4134	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88712117	-97.10725472
4133	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88712339	-97.10740945
4132	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88712562	-97.10756418
4131	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88712784	-97.10771891
4130	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88713007	-97.10787364
4129	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88713229	-97.10802836
4128	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88713452	-97.10818309
4127	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88713674	-97.10833782
4126	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88713897	-97.10849255
4125	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88714119	-97.10864728
4124	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88714341	-97.10880201
4123	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88714564	-97.10895674
4122	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88714786	-97.10911147
4121	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88715008	-97.1092662
4178	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88722748	-97.105086
4177	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88722971	-97.10524073
4176	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88723194	-97.10539546
4175	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88723416	-97.10555019
4174	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88723639	-97.10570492
4173	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88723862	-97.10585965
4172	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88724084	-97.10601438
4171	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88724307	-97.10616911

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4170	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8872453	-97.10632384
4169	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88724752	-97.10647857
4168	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88724975	-97.10663329
4167	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88725197	-97.10678802
4166	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8872542	-97.10694275
4165	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88725643	-97.10709748
4164	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88725865	-97.10725221
4163	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88726088	-97.10740694
4162	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8872631	-97.10756167
4161	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88726533	-97.1077164
4160	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88726755	-97.10787113
4159	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88726977	-97.10802586
4158	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.887272	-97.10818059
4157	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88727422	-97.10833532
4156	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88727645	-97.10849005
4155	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88727867	-97.10864478
4154	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88728089	-97.10879951
4153	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88728312	-97.10895424
4152	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88728534	-97.10910897
4151	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88728756	-97.1092637
4150	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88728979	-97.10941843
4207	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88736719	-97.10523822
4206	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88736942	-97.10539295
4205	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88737164	-97.10554768
4204	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88737387	-97.10570241
4203	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8873761	-97.10585714
4202	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88737832	-97.10601187
4201	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88738055	-97.1061666
4200	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88738278	-97.10632133
4199	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.887385	-97.10647606
4198	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88738723	-97.10663079
4197	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88738946	-97.10678552
4196	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88739168	-97.10694025
4195	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88739391	-97.10709498
4194	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88739613	-97.10724971
4193	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88739836	-97.10740444
4192	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88740058	-97.10755917
4191	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88740281	-97.1077139
4190	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88740503	-97.10786863
4189	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88740726	-97.10802336
4188	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88740948	-97.10817809
4187	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8874117	-97.10833282
4186	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88741393	-97.10848755
4185	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88741615	-97.10864228
4184	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88741837	-97.10879701
4183	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8874206	-97.10895174
4182	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88742282	-97.10910647



**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4181	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88742504	-97.1092612
4180	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88742727	-97.10941593
4179	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88742949	-97.10957066
4237	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8875069	-97.10539044
4236	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88750912	-97.10554517
4235	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88751135	-97.1056999
4234	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88751358	-97.10585463
4233	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8875158	-97.10600936
4232	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88751803	-97.10616409
4231	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88752026	-97.10631882
4230	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88752248	-97.10647355
4229	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88752471	-97.10662828
4228	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88752694	-97.10678301
4227	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88752916	-97.10693774
4226	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88753139	-97.10709247
4225	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88753361	-97.1072472
4224	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88753584	-97.10740193
4223	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88753806	-97.10755666
4222	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88754029	-97.10771139
4221	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88754251	-97.10786613
4220	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88754474	-97.10802085
4219	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88754696	-97.10817559
4218	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88754918	-97.10833032
4217	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88755141	-97.10848505
4216	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88755363	-97.10863978
4215	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88755586	-97.10879451
4214	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88755808	-97.10894924
4213	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8875603	-97.10910397
4212	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88756252	-97.10925869
4211	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88756475	-97.10941343
4210	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88756697	-97.10956816
4209	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88756919	-97.10972289
4208	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88757141	-97.10987762
4267	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88764661	-97.10554267
4266	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88764883	-97.1056974
4265	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88765106	-97.10585213
4264	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88765329	-97.10600686
4263	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88765551	-97.10616159
4262	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88765774	-97.10631632
4261	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88765997	-97.10647105
4260	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88766219	-97.10662578
4259	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88766442	-97.10678051
4258	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88766664	-97.10693524
4257	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88766887	-97.10708997
4256	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88767109	-97.1072447
4255	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88767332	-97.10739943
4254	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88767554	-97.10755416



**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4253	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88767777	-97.10770889
4252	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88767999	-97.10786362
4251	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88768222	-97.10801835
4250	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88768444	-97.10817308
4249	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88768667	-97.10832781
4248	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88768889	-97.10848254
4247	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88769111	-97.10863727
4246	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88769334	-97.108792
4245	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88769556	-97.10894673
4244	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88769778	-97.10910146
4243	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88770001	-97.10925619
4242	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88770223	-97.10941092
4241	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88770445	-97.10956565
4240	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88770667	-97.10972038
4239	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8877089	-97.10987512
4238	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88771112	-97.11002985
4297	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88778631	-97.10569489
4296	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88778854	-97.10584962
4295	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88779077	-97.10600435
4294	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88779299	-97.10615908
4293	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88779522	-97.10631381
4292	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88779745	-97.10646854
4291	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88779967	-97.10662327
4290	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8878019	-97.106778
4289	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88780412	-97.10693274
4288	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88780635	-97.10708746
4287	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88780857	-97.1072422
4286	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8878108	-97.10739693
4285	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88781302	-97.10755166
4284	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88781525	-97.10770639
4283	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88781747	-97.10786112
4282	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8878197	-97.10801585
4281	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88782192	-97.10817058
4280	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88782415	-97.10832531
4279	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88782637	-97.10848004
4278	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88782859	-97.10863477
4277	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88783082	-97.1087895
4276	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88783304	-97.10894423
4275	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88783526	-97.10909896
4274	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88783749	-97.10925369
4273	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88783971	-97.10940842
4272	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88784193	-97.10956315
4271	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88784415	-97.10971788
4270	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88784638	-97.10987261
4269	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8878486	-97.11002735
4268	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88785082	-97.11018208
4327	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88792602	-97.10584712

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4326	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88792825	-97.10600185
4325	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88793047	-97.10615658
4324	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8879327	-97.10631131
4323	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88793493	-97.10646604
4322	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88793715	-97.10662077
4321	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88793938	-97.1067755
4320	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8879416	-97.10693023
4319	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88794383	-97.10708496
4318	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88794606	-97.10723969
4317	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88794828	-97.10739442
4316	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88795051	-97.10754915
4315	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88795273	-97.10770388
4314	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88795495	-97.10785861
4313	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88795718	-97.10801334
4312	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8879594	-97.10816808
4311	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88796163	-97.10832281
4310	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88796385	-97.10847754
4309	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88796607	-97.10863227
4308	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8879683	-97.108787
4307	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88797052	-97.10894173
4306	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88797274	-97.10909646
4305	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88797497	-97.10925119
4304	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88797719	-97.10940592
4303	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88797941	-97.10956065
4302	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88798164	-97.10971538
4301	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88798386	-97.10987011
4300	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88798608	-97.11002484
4299	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8879883	-97.11017958
4298	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88799052	-97.11033431
4357	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88806573	-97.10599934
4356	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88806796	-97.10615407
4355	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88807018	-97.1063088
4354	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88807241	-97.10646353
4353	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88807463	-97.10661826
4352	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88807686	-97.10677299
4351	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88807909	-97.10692773
4350	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88808131	-97.10708246
4349	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88808354	-97.10723719
4348	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88808576	-97.10739192
4347	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88808799	-97.10754665
4346	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88809021	-97.10770138
4345	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88809244	-97.10785611
4344	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88809466	-97.10801084
4343	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88809688	-97.10816557
4342	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88809911	-97.1083203
4341	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88810133	-97.10847503
4340	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88810356	-97.10862977

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4339	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88810578	-97.1087845
4338	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8881108	-97.10893923
4337	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88811023	-97.10909396
4336	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88811245	-97.10924869
4335	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88811467	-97.10940342
4334	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88811689	-97.10955815
4333	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88811912	-97.10971288
4332	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88812134	-97.10986761
4331	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88812356	-97.11002234
4330	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88812578	-97.11017707
4329	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.888128	-97.11033181
4328	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88813023	-97.11048654
4387	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88820544	-97.10615156
4386	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88820766	-97.1063063
4385	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88820989	-97.10646103
4384	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88821211	-97.10661576
4383	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88821434	-97.10677049
4382	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88821657	-97.10692522
4381	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88821879	-97.10707995
4380	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88822102	-97.10723468
4379	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88822324	-97.10738941
4378	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88822547	-97.10754414
4377	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88822769	-97.10769888
4376	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88822992	-97.10785361
4375	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88823214	-97.10800834
4374	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88823437	-97.10816307
4373	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88823659	-97.1083178
4372	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88823881	-97.10847253
4371	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88824104	-97.10862726
4370	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88824326	-97.10878199
4369	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88824548	-97.10893672
4368	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88824771	-97.10909145
4367	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88824993	-97.10924619
4366	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88825215	-97.10940092
4365	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88825437	-97.10955565
4364	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8882566	-97.10971038
4363	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88825882	-97.10986511
4362	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88826104	-97.11001984
4361	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88826326	-97.11017457
4360	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88826549	-97.1103293
4359	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88826771	-97.11048404
4358	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88826993	-97.11063877
4418	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88834514	-97.10630379
4417	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88834737	-97.10645852
4416	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8883496	-97.10661325
4415	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88835182	-97.10676798
4414	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88835405	-97.10692271

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4413	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88835627	-97.10707745
4412	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8883585	-97.10723218
4411	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88836072	-97.10738691
4410	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88836295	-97.10754164
4409	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88836517	-97.10769637
4408	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8883674	-97.1078511
4407	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88836962	-97.10800583
4406	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88837185	-97.10816057
4405	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88837407	-97.1083153
4404	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88837629	-97.10847003
4403	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88837852	-97.10862476
4402	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88838074	-97.10877949
4401	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88838296	-97.10893422
4400	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88838519	-97.10908895
4399	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88838741	-97.10924369
4398	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88838963	-97.10939842
4397	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88839186	-97.10955315
4396	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88839408	-97.10970788
4395	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8883963	-97.10986261
4394	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88839852	-97.11001734
4393	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88840074	-97.11017207
4392	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88840297	-97.1103268
4391	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88840519	-97.11048154
4390	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88840741	-97.11063627
4389	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88840963	-97.110791
4388	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88841185	-97.11094573
4447	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88848485	-97.10645602
4446	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88848708	-97.10661075
4445	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8884893	-97.10676548
4444	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88849153	-97.10692021
4443	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88849375	-97.10707494
4442	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88849598	-97.10722967
4441	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8884982	-97.1073844
4440	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88850043	-97.10753914
4439	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88850265	-97.10769387
4438	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88850488	-97.1078486
4437	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8885071	-97.10800333
4436	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88850933	-97.10815806
4435	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88851155	-97.10831279
4434	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88851377	-97.10846753
4433	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.888516	-97.10862226
4432	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88851822	-97.10877699
4431	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88852045	-97.10893172
4430	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88852267	-97.10908645
4429	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88852489	-97.10924118
4428	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88852711	-97.10939591
4427	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88852934	-97.10955065



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4426	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88853156	-97.10970538
4425	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88853378	-97.10986011
4424	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.888536	-97.11001484
4423	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88853823	-97.11016957
4422	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88854045	-97.1103243
4421	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88854267	-97.11047904
4420	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88854489	-97.11063377
4419	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88854711	-97.1107885
2653	M,H,D	STUDY AREA B - SHELL HASH	27.88854933	-97.11094323
2601	F,H,G	STUDY AREA B - SEAGRASS PRESENT	27.88855155	-97.11109796
4473	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88862678	-97.10676297
4472	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88862901	-97.10691771
4471	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88863123	-97.10707244
4470	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88863346	-97.10722717
4469	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88863568	-97.1073819
4468	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88863791	-97.10753663
4467	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88864013	-97.10769136
4466	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88864236	-97.1078461
4465	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88864458	-97.10800083
4464	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88864681	-97.10815556
4463	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88864903	-97.10831029
4462	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88865126	-97.10846502
4461	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88865348	-97.10861975
4460	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8886557	-97.10877449
4459	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88865793	-97.10892922
4458	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88866015	-97.10908395
4457	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88866237	-97.10923868
4456	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8886646	-97.10939341
4455	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88866682	-97.10954815
4454	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88866904	-97.10970288
4453	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88867126	-97.10985761
4452	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88867348	-97.11001234
4451	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88867571	-97.11016707
4450	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88867793	-97.1103218
4449	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88868015	-97.11047654
4448	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88868237	-97.11063127
2712	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88868459	-97.110786
2652	F,H	STUDY AREA B - SHELL HASH	27.88868681	-97.11094073
2711	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88868903	-97.11109546
2643	F,G	STUDY AREA B - SEAGRASS PRESENT	27.88869125	-97.1112502
4497	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88876649	-97.1069152
4496	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88876872	-97.10706993
4495	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88877094	-97.10722466
4494	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88877317	-97.1073794
4493	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88877539	-97.10753413
4492	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88877762	-97.10768886
4491	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88877984	-97.10784359



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4490	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88878206	-97.10799832
4489	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88878429	-97.10815306
4488	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88878651	-97.10830779
4487	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88878874	-97.10846252
4486	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88879096	-97.10861725
4485	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88879318	-97.10877198
4484	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88879541	-97.10892672
4483	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88879763	-97.10908145
4482	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88879985	-97.10923618
4481	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88880208	-97.10939091
4480	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8888043	-97.10954564
4479	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88880652	-97.10970038
4478	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88880874	-97.10985511
4477	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88881097	-97.11000984
4476	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88881319	-97.11016457
4475	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88881541	-97.1103193
4474	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88881763	-97.11047404
2651	F,H	STUDY AREA B - SHELL HASH	27.88881985	-97.11062877
2603	F,X,G	STUDY AREA B - SEAGRASS PRESENT	27.88882207	-97.1107835
2602	F,X,G	STUDY AREA B - SEAGRASS PRESENT	27.88882429	-97.11093823
2714	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88882651	-97.11109296
2650	F,H	STUDY AREA B - SHELL HASH	27.88882874	-97.1112477
4519	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8889062	-97.10706743
4518	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88890842	-97.10722216
4517	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88891065	-97.10737689
4516	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88891287	-97.10753162
4515	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8889151	-97.10768636
4514	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88891732	-97.10784109
4513	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88891955	-97.10799582
4512	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88892177	-97.10815055
4511	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88892399	-97.10830529
4510	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88892622	-97.10846002
4509	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88892844	-97.10861475
4508	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88893066	-97.10876948
4507	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88893289	-97.10892421
4506	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88893511	-97.10907895
4505	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88893733	-97.10923368
4504	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88893956	-97.10938841
4503	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88894178	-97.10954314
4502	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.888944	-97.10969787
4501	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88894622	-97.10985261
4500	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88894845	-97.11000734
4499	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88895067	-97.11016207
4498	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88895289	-97.1103168
2719	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88895511	-97.11047154
2713	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88895733	-97.11062627
2710	F,X	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88895955	-97.110781

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4539	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8890459	-97.10721966
4538	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88904813	-97.10737439
4537	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88905035	-97.10752912
4536	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88905258	-97.10768385
4535	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8890548	-97.10783859
4534	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88905703	-97.10799332
4533	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88905925	-97.10814805
4532	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88906147	-97.10830278
4531	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8890637	-97.10845751
4530	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88906592	-97.10861225
4529	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88906815	-97.10876698
4528	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88907037	-97.10892171
4527	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88907259	-97.10907644
4526	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88907482	-97.10923118
4525	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88907704	-97.10938591
4524	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88907926	-97.10954064
4523	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88908148	-97.10969537
4522	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88908371	-97.10985011
4521	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88908593	-97.11000484
4520	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88908815	-97.11015957
3003	R	STUDY AREA B - INLAND/RIPRAP	27.88909037	-97.1103143
3002	R	STUDY AREA B - INLAND/RIPRAP	27.88909259	-97.11046903
4558	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88918561	-97.10737188
4557	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88918783	-97.10752662
4556	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88919006	-97.10768135
4555	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88919228	-97.10783608
4554	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88919451	-97.10799081
4553	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88919673	-97.10814555
4552	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88919896	-97.10830028
4551	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88920118	-97.10845501
4550	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8892034	-97.10860974
4549	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88920563	-97.10876448
4548	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88920785	-97.10891921
4547	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88921007	-97.10907394
4546	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8892123	-97.10922867
4545	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88921452	-97.10938341
4544	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88921674	-97.10953814
4543	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88921896	-97.10969287
4542	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88922119	-97.1098476
4541	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88922341	-97.11000234
4540	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88922563	-97.11015707
2946	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88922785	-97.1103118
4576	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88932531	-97.10752411
4575	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88932754	-97.10767885
4574	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88932976	-97.10783358
4573	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88933199	-97.10798831
4572	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88933421	-97.10814304

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4571	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88933644	-97.10829778
4570	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88933866	-97.10845251
4569	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88934088	-97.10860724
4568	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88934311	-97.10876197
4567	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88934533	-97.10891671
4566	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88934755	-97.10907144
4565	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88934978	-97.10922617
4564	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.889352	-97.10938091
4563	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88935422	-97.10953564
4562	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88935645	-97.10969037
4561	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88935867	-97.1098451
4560	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88936089	-97.10999984
4559	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88936311	-97.11015457
2947	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88936533	-97.1103093
4592	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88946502	-97.10767634
4591	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88946725	-97.10783107
4590	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88946947	-97.10798581
4589	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88947169	-97.10814054
4588	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88947392	-97.10829527
4587	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88947614	-97.10845001
4586	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88947837	-97.10860474
4585	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88948059	-97.10875947
4584	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88948281	-97.1089142
4583	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88948504	-97.10906894
4582	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88948726	-97.10922367
4581	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88948948	-97.1093784
4580	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8894917	-97.10953314
4579	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88949393	-97.10968787
4578	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88949615	-97.1098426
4577	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88949837	-97.10999733
2948	M,W	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88950059	-97.11015207
3004	LAND, H	STUDY AREA B - INLAND/RIPRAP	27.88950281	-97.1103068
4607	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88960473	-97.10782857
4606	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88960695	-97.1079833
4605	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88960917	-97.10813804
4604	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8896114	-97.10829277
4603	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88961362	-97.1084475
4602	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88961585	-97.10860224
4601	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88961807	-97.10875697
4600	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88962029	-97.1089117
4599	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88962252	-97.10906644
4598	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88962474	-97.10922117
4597	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88962696	-97.1093759
4596	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88962918	-97.10953063
4595	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88963141	-97.10968537
4594	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88963363	-97.1098401
4593	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88963585	-97.10999484

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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2682	F,H,R	STUDY AREA B - SHELL HASH	27.88963807	-97.11014957
3005	LAND, R	STUDY AREA B - INLAND/RIPRAP	27.8896403	-97.1103043
4621	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88974443	-97.1079808
4620	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88974666	-97.10813553
4619	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88974888	-97.10829027
4618	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8897511	-97.108445
4617	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88975333	-97.10859973
4616	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88975555	-97.10875447
4615	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88975777	-97.1089092
4614	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88976	-97.10906393
4613	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88976222	-97.10921867
4612	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88976444	-97.1093734
4611	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88976667	-97.10952813
4610	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88976889	-97.10968287
4609	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88977111	-97.1098376
4608	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88977333	-97.10999233
2949	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88977555	-97.11014707
2683	F,H	STUDY AREA B - SHELL HASH	27.88977778	-97.1103018
4633	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88988636	-97.10828776
4632	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88988858	-97.1084425
4631	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88989081	-97.10859723
4630	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88989303	-97.10875196
4629	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88989526	-97.1089067
4628	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88989748	-97.10906143
4627	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8898997	-97.10921617
4626	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88990192	-97.1093709
4625	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88990415	-97.10952563
4624	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88990637	-97.10968037
4623	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88990859	-97.1098351
4622	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88991081	-97.10998983
2951	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.88991304	-97.11014457
2684	F,H	STUDY AREA B - SHELL HASH	27.88991526	-97.1102993
4644	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89002607	-97.10843999
4643	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89002829	-97.10859473
4642	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89003051	-97.10874946
4641	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89003274	-97.1089042
4640	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89003496	-97.10905893
4639	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89003718	-97.10921366
4638	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89003941	-97.1093684
4637	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89004163	-97.10952313
4636	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89004385	-97.10967786
4635	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89004607	-97.1098326
4634	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89004829	-97.10998733
2950	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89005052	-97.11014207
2685	F,H	STUDY AREA B - SHELL HASH	27.89005274	-97.1102968
4654	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89016577	-97.10859222
4653	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89016799	-97.10874696



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**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4652	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89017022	-97.10890169
4651	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89017244	-97.10905643
4650	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89017466	-97.10921116
4649	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89017689	-97.10936589
4648	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89017911	-97.10952063
4647	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89018133	-97.10967536
4646	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89018355	-97.1098301
4645	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89018578	-97.10998483
2718	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.890188	-97.11013956
4663	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89030547	-97.10874446
4662	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8903077	-97.10889919
4661	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89030992	-97.10905393
4660	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89031214	-97.10920866
4659	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89031437	-97.10936339
4658	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89031659	-97.10951813
4657	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89031881	-97.10967286
4656	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89032103	-97.1098276
4655	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89032326	-97.10998233
2716	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89032548	-97.11013706
3001	LAND	STUDY AREA B - INLAND/RIPRAP	27.8903277	-97.1102918
4671	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89044518	-97.10889669
4670	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8904474	-97.10905142
4669	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89044963	-97.10920616
4668	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89045185	-97.10936089
4667	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89045407	-97.10951563
4666	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89045629	-97.10967036
4665	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89045852	-97.1098251
4664	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89046074	-97.10997983
2715	F	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89046296	-97.11013456
2649	F,H,R	STUDY AREA B - SHELL HASH	27.89046518	-97.1102893
4678	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89058711	-97.10920366
4677	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89058933	-97.10935839
4676	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89059155	-97.10951313
4675	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89059377	-97.10966786
4674	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.890596	-97.10982259
4673	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89059822	-97.10997733
4672	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89060044	-97.11013206
2717	S	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89060266	-97.1102868
4684	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89072681	-97.10935589
4683	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89072903	-97.10951062
4682	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89073126	-97.10966536
4681	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89073348	-97.10982009
4680	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8907357	-97.10997483
4679	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89073792	-97.11012956
4688	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89086651	-97.10950812
4687	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89086874	-97.10966286
4686	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89087096	-97.10981759



**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area B - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
4685	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89087318	-97.10997233
4690	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89100622	-97.10966036
4689	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89100844	-97.10981509
4691	M	STUDY AREA B - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.89114592	-97.10981259

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# STUDY AREA “C”

## Transect Sampling Data

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
574	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86181684	-97.08155973
613	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86181883	-97.08169586
822	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86189413	-97.07856268
633	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86193783	-97.0815575
525	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86193981	-97.08169363
526	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.8619418	-97.08182976
626	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86201312	-97.07842431
768	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86201511	-97.07856044
873	Inland	STUDY AREA C - INLAND	27.8620171	-97.07869657
533	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86205881	-97.08155527
581	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86206079	-97.0816914
530	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86206278	-97.08182752
610	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86206476	-97.08196365
915	D	STUDY AREA C - DEEP, 8+ FT	27.86213212	-97.07828595
830	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8621341	-97.07842208
834	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86213609	-97.0785582
547	F,H,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86213808	-97.07869433
869	Inland	STUDY AREA C - INLAND	27.86214007	-97.07883046
549	F,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86217979	-97.08155303
575	F,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86218177	-97.08168916
512	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86218376	-97.08182529
609	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86218574	-97.08196142
833	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86218773	-97.08209755
1020	D	STUDY AREA C - DEEP, 8+ FT	27.86225111	-97.07814758
1030	D	STUDY AREA C - DEEP, 8+ FT	27.8622531	-97.07828371
959	D	STUDY AREA C - DEEP, 8+ FT	27.86225509	-97.07841984
620	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86225707	-97.07855597
773	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86225906	-97.0786921
518	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86226105	-97.07882822
871	Inland	STUDY AREA C - INLAND	27.86226304	-97.07896435
563	F,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86229879	-97.08141467
566	F,SO,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86230077	-97.0815508
580	S,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86230276	-97.08168693
567	F,SO,ls	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86230474	-97.08182306
1118	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86230673	-97.08195919
789	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86230871	-97.08209532
1042	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86231069	-97.08223145
1029	D	STUDY AREA C - DEEP, 8+ FT	27.86237408	-97.07828147
956	D	STUDY AREA C - DEEP, 8+ FT	27.86237607	-97.0784176
931	D	STUDY AREA C - DEEP, 8+ FT	27.86237806	-97.07855373
779	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86238004	-97.07868986
780	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86238203	-97.07882599
499	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86238402	-97.07896212
870	Inland	STUDY AREA C - INLAND	27.86238601	-97.07909825
564	F,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86241977	-97.08141244
582	F,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86242175	-97.08154857
579	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86242374	-97.0816847

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
583	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86242572	-97.08182083
1114	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86242771	-97.08195695
632	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86242969	-97.08209308
622	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86243168	-97.08222921
1076	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86243366	-97.08236534
957	D	STUDY AREA C - DEEP, 8+ FT	27.86249705	-97.07841536
932	D	STUDY AREA C - DEEP, 8+ FT	27.86249904	-97.07855149
729	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86250102	-97.07868762
781	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86250301	-97.07882375
786	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.862505	-97.07895988
550	M,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86250699	-97.07909601
872	Inland	STUDY AREA C - INLAND	27.86250897	-97.07923214
578	S,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86254075	-97.0814102
565	F,SO,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86254274	-97.08154633
1097	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86254472	-97.08168246
1101	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8625467	-97.08181859
488	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86254869	-97.08195472
1050	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86255067	-97.08209085
623	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86255266	-97.08222698
820	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86255464	-97.08236311
836	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86255663	-97.08249924
934	D	STUDY AREA C - DEEP, 8+ FT	27.86262002	-97.07854926
1021	D	STUDY AREA C - DEEP, 8+ FT	27.86262201	-97.07868539
598	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86262399	-97.07882152
787	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86262598	-97.07895764
513	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86262797	-97.07909377
634	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86262996	-97.0792299
740	F,X	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86263194	-97.07936603
562	M,SO,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86266173	-97.08140797
770	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86266372	-97.0815441
1098	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8626657	-97.08168023
1096	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86266769	-97.08181636
489	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86266967	-97.08195249
1051	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86267166	-97.08208862
624	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86267364	-97.08222475
523	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86267562	-97.08236088
608	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86267761	-97.08249701
604	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86267959	-97.08263314
968	D	STUDY AREA C - DEEP, 8+ FT	27.86274299	-97.07868315
967	D	STUDY AREA C - DEEP, 8+ FT	27.86274498	-97.07881928
597	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86274696	-97.07895541
829	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86274895	-97.07909154
629	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86275094	-97.07922767
536	F,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86275293	-97.0793638
558	H,R,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86275491	-97.07949992
795	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86278073	-97.08126961
796	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86278271	-97.08140574

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1088	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8627847	-97.08154187
1087	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86278668	-97.081678
1089	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86278867	-97.08181413
493	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86279065	-97.08195026
1086	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86279264	-97.08208639
1043	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86279462	-97.08222252
819	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86279661	-97.08235864
896	D	STUDY AREA C - DEEP, 8+ FT	27.86279859	-97.08249477
890	D	STUDY AREA C - DEEP, 8+ FT	27.86280057	-97.0826309
960	D	STUDY AREA C - DEEP, 8+ FT	27.86280256	-97.08276703
933	D	STUDY AREA C - DEEP, 8+ FT	27.86286596	-97.07881704
939	D	STUDY AREA C - DEEP, 8+ FT	27.86286795	-97.07895317
735	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86286993	-97.0790893
823	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86287192	-97.07922543
515	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86287391	-97.07936156
531	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86287589	-97.07949769
618	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86287788	-97.07963382
616	M,H,R	STUDY AREA C - SHELL HASH PRESENCE	27.86287987	-97.07976995
1083	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86288185	-97.07990608
554	F,SO,H,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86289973	-97.08113124
1084	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86290171	-97.08126738
1039	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8629037	-97.0814035
1069	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86290568	-97.08153963
1066	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86290767	-97.08167576
1070	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86290965	-97.08181189
492	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86291163	-97.08194802
1057	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86291362	-97.08208415
938	D	STUDY AREA C - DEEP, 8+ FT	27.8629156	-97.08222028
1031	D	STUDY AREA C - DEEP, 8+ FT	27.86291759	-97.08235641
916	D	STUDY AREA C - DEEP, 8+ FT	27.86291957	-97.08249254
888	D	STUDY AREA C - DEEP, 8+ FT	27.86292155	-97.08262867
821	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86292354	-97.0827648
835	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86292552	-97.08290093
983	D	STUDY AREA C - DEEP, 8+ FT	27.86298694	-97.07881481
981	D	STUDY AREA C - DEEP, 8+ FT	27.86298893	-97.07895094
1036	D	STUDY AREA C - DEEP, 8+ FT	27.86299091	-97.07908707
732	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8629929	-97.07922319
826	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86299489	-97.07935932
814	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86299688	-97.07949545
785	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86299886	-97.07963158
859	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86300085	-97.07976771
631	F,H,W,R	STUDY AREA C - SHELL HASH PRESENCE	27.86300284	-97.07990384
784	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86300482	-97.08003997
619	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86300681	-97.0801761
1090	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86300879	-97.08031223
1100	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86301078	-97.08044836
802	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86301277	-97.08058449



<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
792	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86301475	-97.08072062
850	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86301674	-97.08085675
630	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86301872	-97.08099288
816	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86302071	-97.08112901
1093	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86302269	-97.08126514
1094	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86302468	-97.08140127
1092	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86302666	-97.0815374
485	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86302865	-97.08167353
486	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86303063	-97.08180966
498	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86303262	-97.08194579
982	D	STUDY AREA C - DEEP, 8+ FT	27.8630346	-97.08208192
958	D	STUDY AREA C - DEEP, 8+ FT	27.86303659	-97.08221805
935	D	STUDY AREA C - DEEP, 8+ FT	27.86303857	-97.08235418
704	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86304055	-97.08249031
602	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86304254	-97.08262644
799	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86304452	-97.08276257
501	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.8630465	-97.0828987
521	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.86304849	-97.08303483
884	D	STUDY AREA C - DEEP, 8+ FT	27.86310991	-97.0789487
881	D	STUDY AREA C - DEEP, 8+ FT	27.8631119	-97.07908483
887	D	STUDY AREA C - DEEP, 8+ FT	27.86311388	-97.07922096
738	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86311587	-97.07935709
749	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86311786	-97.07949322
748	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86311984	-97.07962935
599	F,H,R	STUDY AREA C - SHELL HASH PRESENCE	27.86312183	-97.07976548
600	F,H,R	STUDY AREA C - SHELL HASH PRESENCE	27.86312382	-97.07990161
745	M,R	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8631258	-97.08003774
601	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86312779	-97.08017387
837	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86312978	-97.08031
537	F,H,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86313176	-97.08044613
538	F,H,Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86313375	-97.08058226
539	F,H,Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86313573	-97.08071839
746	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86313772	-97.08085452
750	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8631397	-97.08099065
1060	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86314169	-97.08112678
1061	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86314368	-97.08126291
495	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86314566	-97.08139904
496	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86314764	-97.08153517
494	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86314963	-97.0816713
886	D	STUDY AREA C - DEEP, 8+ FT	27.86315161	-97.08180743
882	D	STUDY AREA C - DEEP, 8+ FT	27.8631536	-97.08194356
885	D	STUDY AREA C - DEEP, 8+ FT	27.86315558	-97.08207969
883	D	STUDY AREA C - DEEP, 8+ FT	27.86315757	-97.08221582
874	D	STUDY AREA C - DEEP, 8+ FT	27.86315955	-97.08235195
880	D	STUDY AREA C - DEEP, 8+ FT	27.86316153	-97.08248808
838	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86316352	-97.08262421
751	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8631655	-97.08276034

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
747	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86316749	-97.08289647
540	M,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86316947	-97.0830326
541	S,ls,la,SO	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86317145	-97.08316873
902	D	STUDY AREA C - DEEP, 8+ FT	27.86323288	-97.07908259
907	D	STUDY AREA C - DEEP, 8+ FT	27.86323487	-97.07921872
903	D	STUDY AREA C - DEEP, 8+ FT	27.86323685	-97.07935485
734	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86323884	-97.07949098
712	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86324083	-97.07962711
763	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86324281	-97.07976324
612	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.8632448	-97.07989937
831	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86324679	-97.0800355
764	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86324877	-97.08017163
766	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86325076	-97.08030776
508	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86325274	-97.08044389
546	F,SO,I	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86325473	-97.08058002
762	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86325672	-97.08071615
754	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8632587	-97.08085228
767	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86326069	-97.08098841
1117	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86326267	-97.08112454
1122	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86326466	-97.08126067
491	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86326664	-97.0813968
490	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86326863	-97.08153293
905	D	STUDY AREA C - DEEP, 8+ FT	27.86327061	-97.08166906
906	D	STUDY AREA C - DEEP, 8+ FT	27.8632726	-97.08180519
917	D	STUDY AREA C - DEEP, 8+ FT	27.86327458	-97.08194132
904	D	STUDY AREA C - DEEP, 8+ FT	27.86327656	-97.08207746
1125	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86327855	-97.08221359
510	F,ls,G	STUDY AREA C - SEAGRASS PRESENCE	27.86328053	-97.08234972
509	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86328252	-97.08248585
752	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8632845	-97.08262197
765	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86328648	-97.08275811
548	M,H,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86328847	-97.08289424
569	M,CO	STUDY AREA C - CONSOLIDATED OYSTER BED	27.86329045	-97.08303037
570	M,CO	STUDY AREA C - CONSOLIDATED OYSTER BED	27.86329243	-97.0831665
1063	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86329442	-97.08330263
1022	D	STUDY AREA C - DEEP, 8+ FT	27.86335585	-97.07921649
1028	D	STUDY AREA C - DEEP, 8+ FT	27.86335783	-97.07935262
948	D	STUDY AREA C - DEEP, 8+ FT	27.86335982	-97.07948875
695	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86336181	-97.07962488
860	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86336379	-97.07976101
769	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86336578	-97.07989714
636	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86336777	-97.08003327
842	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86336975	-97.0801694
797	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86337174	-97.08030553
507	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86337373	-97.08044166
532	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86337571	-97.08057779
798	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8633777	-97.08071392

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
660	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86337968	-97.08085005
661	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86338167	-97.08098618
497	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86338365	-97.08112231
487	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86338564	-97.08125844
992	D	STUDY AREA C - DEEP, 8+ FT	27.86338762	-97.08139457
1014	D	STUDY AREA C - DEEP, 8+ FT	27.86338961	-97.0815307
1017	D	STUDY AREA C - DEEP, 8+ FT	27.86339159	-97.08166683
1016	D	STUDY AREA C - DEEP, 8+ FT	27.86339358	-97.08180296
899	D	STUDY AREA C - DEEP, 8+ FT	27.86339556	-97.08193909
1056	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86339755	-97.08207522
534	Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86339953	-97.08221135
555	M,Is	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86340151	-97.08234748
527	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.8634035	-97.08248361
605	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86340548	-97.08261974
529	M,H,G	STUDY AREA C - SEAGRASS PRESENCE	27.86340747	-97.08275587
614	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86340945	-97.082892
771	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86341143	-97.08302813
520	M,SO,G	STUDY AREA C - SEAGRASS PRESENCE	27.86341342	-97.08316426
504	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.8634154	-97.0833004
517	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86341738	-97.08343653
1027	D	STUDY AREA C - DEEP, 8+ FT	27.86347882	-97.07935038
943	D	STUDY AREA C - DEEP, 8+ FT	27.8634808	-97.07948651
946	D	STUDY AREA C - DEEP, 8+ FT	27.86348279	-97.07962264
733	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86348478	-97.07975877
731	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86348676	-97.0798949
621	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86348875	-97.08003103
841	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86349074	-97.08016716
811	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86349272	-97.08030329
744	M,X	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86349471	-97.08043942
809	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86349669	-97.08057555
810	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86349868	-97.08071169
659	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86350066	-97.08084782
662	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86350265	-97.08098395
663	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86350464	-97.08112008
669	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86350662	-97.08125621
668	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86350861	-97.08139234
947	D	STUDY AREA C - DEEP, 8+ FT	27.86351059	-97.08152847
944	D	STUDY AREA C - DEEP, 8+ FT	27.86351258	-97.0816646
945	D	STUDY AREA C - DEEP, 8+ FT	27.86351456	-97.08180073
545	M,SO,Is,Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86351654	-97.08193686
556	M,Is,Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86351853	-97.08207299
1082	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86352051	-97.08220912
825	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8635225	-97.08234525
543	M,Is	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86352448	-97.08248138
502	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86352646	-97.08261751
524	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86352845	-97.08275364
506	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.86353043	-97.08288977

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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
813	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86353241	-97.0830259
528	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.8635344	-97.08316203
505	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.86353638	-97.08329816
557	S,Is	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86353836	-97.08343429
522	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86354035	-97.08357042
1023	D	STUDY AREA C - DEEP, 8+ FT	27.86360178	-97.07948428
1024	D	STUDY AREA C - DEEP, 8+ FT	27.86360377	-97.07962041
925	D	STUDY AREA C - DEEP, 8+ FT	27.86360576	-97.07975654
736	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86360774	-97.07989267
1131	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86360973	-97.0800288
1129	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86361172	-97.08016493
1132	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8636137	-97.08030106
1095	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86361569	-97.08043719
1127	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86361768	-97.08057332
1128	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86361966	-97.08070945
596	S,H	STUDY AREA C - SHELL HASH PRESENCE	27.86362165	-97.08084558
587	S,H	STUDY AREA C - SHELL HASH PRESENCE	27.86362363	-97.08098171
718	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86362562	-97.08111784
1026	D	STUDY AREA C - DEEP, 8+ FT	27.8636276	-97.08125397
922	D	STUDY AREA C - DEEP, 8+ FT	27.86362959	-97.0813901
1025	D	STUDY AREA C - DEEP, 8+ FT	27.86363157	-97.08152623
717	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86363356	-97.08166236
827	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86363554	-97.0817985
1113	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86363753	-97.08193463
552	M,Is,Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86363951	-97.08207076
862	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86364149	-97.08220689
861	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86364348	-97.08234302
757	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86364546	-97.08247915
1054	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86364745	-97.08261528
617	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86364943	-97.08275141
503	M,G	STUDY AREA C - SEAGRASS PRESENCE	27.86365141	-97.08288754
553	M,SO,Is	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.8636534	-97.08302367
576	S,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86365538	-97.0831598
535	Ia	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86365736	-97.08329593
571	S,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86365935	-97.08343206
514	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86366133	-97.08356819
999	D	STUDY AREA C - DEEP, 8+ FT	27.86372475	-97.07961817
926	D	STUDY AREA C - DEEP, 8+ FT	27.86372674	-97.0797543
994	D	STUDY AREA C - DEEP, 8+ FT	27.86372873	-97.07989043
730	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86373071	-97.08002656
1071	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8637327	-97.08016269
1091	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86373469	-97.08029882
1102	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86373667	-97.08043496
1085	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86373866	-97.08057109
594	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86374064	-97.08070722
726	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86374263	-97.08084335
1001	D	STUDY AREA C - DEEP, 8+ FT	27.86374461	-97.08097948

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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
951	D	STUDY AREA C - DEEP, 8+ FT	27.8637466	-97.08111561
995	D	STUDY AREA C - DEEP, 8+ FT	27.86374858	-97.08125174
686	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86375057	-97.08138787
689	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86375255	-97.081524
790	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86375454	-97.08166013
1058	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86375652	-97.08179626
1111	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86375851	-97.08193239
1040	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86376049	-97.08206852
1080	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86376248	-97.08220465
1064	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86376446	-97.08234079
1108	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86376644	-97.08247692
516	M,G,ls	STUDY AREA C - SEAGRASS PRESENCE	27.86376843	-97.08261305
800	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86377041	-97.08274918
511	S,G	STUDY AREA C - SEAGRASS PRESENCE	27.86377239	-97.08288531
1099	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86377438	-97.08302144
818	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86377636	-97.08315757
542	F,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86377834	-97.0832937
638	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86378033	-97.08342983
650	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86378231	-97.08356596
637	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86378429	-97.08370209
927	D	STUDY AREA C - DEEP, 8+ FT	27.86384772	-97.07975207
985	D	STUDY AREA C - DEEP, 8+ FT	27.86384971	-97.0798882
993	D	STUDY AREA C - DEEP, 8+ FT	27.86385169	-97.08002433
930	D	STUDY AREA C - DEEP, 8+ FT	27.86385368	-97.08016046
685	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86385567	-97.08029659
703	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86385765	-97.08043272
678	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86385964	-97.08056885
683	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86386162	-97.08070498
727	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86386361	-97.08084111
682	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8638656	-97.08097724
950	D	STUDY AREA C - DEEP, 8+ FT	27.86386758	-97.08111338
986	D	STUDY AREA C - DEEP, 8+ FT	27.86386957	-97.08124951
687	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86387155	-97.08138564
777	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86387354	-97.08152177
1107	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86387552	-97.0816579
1105	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86387751	-97.08179403
1120	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86387949	-97.08193016
1041	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86388147	-97.08206629
1081	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86388346	-97.08220242
1065	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86388544	-97.08233855
1109	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86388743	-97.08247468
1059	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86388941	-97.08261082
500	S,G,ls	STUDY AREA C - SEAGRASS PRESENCE	27.86389139	-97.08274695
573	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86389338	-97.08288308
1104	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86389536	-97.08301921
648	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86389734	-97.08315534
606	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86389933	-97.08329147



<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
652	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86390131	-97.0834276
654	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86390329	-97.08356373
651	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86390527	-97.08369986
653	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86390726	-97.08383599
923	D	STUDY AREA C - DEEP, 8+ FT	27.86397069	-97.07988596
924	D	STUDY AREA C - DEEP, 8+ FT	27.86397268	-97.08002209
1034	D	STUDY AREA C - DEEP, 8+ FT	27.86397466	-97.08015822
1037	D	STUDY AREA C - DEEP, 8+ FT	27.86397665	-97.08029436
920	D	STUDY AREA C - DEEP, 8+ FT	27.86397864	-97.08043049
700	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86398062	-97.08056662
715	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86398261	-97.08070275
892	D	STUDY AREA C - DEEP, 8+ FT	27.86398459	-97.08083888
1038	D	STUDY AREA C - DEEP, 8+ FT	27.86398658	-97.08097501
1035	D	STUDY AREA C - DEEP, 8+ FT	27.86398856	-97.08111114
716	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86399055	-97.08124727
858	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86399253	-97.0813834
863	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86399452	-97.08151953
1130	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8639965	-97.08165567
1133	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86399849	-97.0817918
1112	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86400047	-97.08192793
1124	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86400246	-97.08206406
1115	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86400444	-97.08220019
1121	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86400642	-97.08233632
756	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86400841	-97.08247245
1062	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86401039	-97.08260858
1116	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86401238	-97.08274471
739	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86401436	-97.08288085
878	D	STUDY AREA C - DEEP, 8+ FT	27.86401634	-97.08301698
876	D	STUDY AREA C - DEEP, 8+ FT	27.86401833	-97.08315311
639	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86402031	-97.08328924
657	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86402229	-97.08342537
658	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86402427	-97.0835615
656	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86402626	-97.08369763
584	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86402824	-97.08383376
585	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86403022	-97.08396989
964	D	STUDY AREA C - DEEP, 8+ FT	27.86409366	-97.08001986
929	D	STUDY AREA C - DEEP, 8+ FT	27.86409564	-97.08015599
979	D	STUDY AREA C - DEEP, 8+ FT	27.86409763	-97.08029212
895	D	STUDY AREA C - DEEP, 8+ FT	27.86409962	-97.08042825
677	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8641016	-97.08056438
978	D	STUDY AREA C - DEEP, 8+ FT	27.86410359	-97.08070051
725	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86410557	-97.08083665
681	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86410756	-97.08097278
672	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86410954	-97.08110891
793	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86411153	-97.08124504
804	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86411352	-97.08138117
794	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8641155	-97.0815173

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
559	M,SO,ls,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86411748	-97.08165343
1045	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86411947	-97.08178956
1110	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86412145	-97.08192569
1068	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86412344	-97.08206183
1079	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86412542	-97.08219796
1073	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86412741	-97.08233409
1106	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86412939	-97.08247022
753	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86413137	-97.08260635
572	M,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86413336	-97.08274248
1123	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86413534	-97.08287861
645	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86413732	-97.08301475
647	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86413931	-97.08315088
641	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86414129	-97.08328701
644	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86414327	-97.08342314
649	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86414526	-97.08355927
642	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86414724	-97.0836954
519	F,G	STUDY AREA C - SEAGRASS PRESENCE	27.86414922	-97.08383153
928	D	STUDY AREA C - DEEP, 8+ FT	27.86421663	-97.08015375
977	D	STUDY AREA C - DEEP, 8+ FT	27.86421861	-97.08028989
894	D	STUDY AREA C - DEEP, 8+ FT	27.8642206	-97.08042602
962	D	STUDY AREA C - DEEP, 8+ FT	27.86422258	-97.08056215
679	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86422457	-97.08069828
737	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86422656	-97.08083441
680	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86422854	-97.08097054
673	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86423053	-97.08110667
742	F,R	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86423251	-97.08124281
803	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8642345	-97.08137894
806	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86423648	-97.08151507
805	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86423847	-97.0816512
845	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86424045	-97.08178733
864	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86424045	-97.08178733
551	M,SO,ls,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86424244	-97.08192346
625	S,H	STUDY AREA C - SHELL HASH PRESENCE	27.86424442	-97.08205959
1078	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8642464	-97.08219573
1072	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86424839	-97.08233186
544	M,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86425037	-97.08246799
877	D	STUDY AREA C - DEEP, 8+ FT	27.86425236	-97.08260412
875	D	STUDY AREA C - DEEP, 8+ FT	27.86425434	-97.08274025
655	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86425632	-97.08287638
643	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86425831	-97.08301251
646	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86426029	-97.08314864
640	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86426227	-97.08328478
627	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86426425	-97.08342091
628	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86426624	-97.08355704
561	M,la	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.86426822	-97.08369317
980	D	STUDY AREA C - DEEP, 8+ FT	27.86433959	-97.08028765
898	D	STUDY AREA C - DEEP, 8+ FT	27.86434158	-97.08042378

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area C - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
969	D	STUDY AREA C - DEEP, 8+ FT	27.86434357	-97.08055991
963	D	STUDY AREA C - DEEP, 8+ FT	27.86434555	-97.08069605
728	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86434754	-97.08083218
593	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86434952	-97.08096831
676	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86435151	-97.08110444
782	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86435349	-97.08124057
791	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86435548	-97.0813767
778	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86435746	-97.08151283
775	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86435945	-97.08164897
840	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86436143	-97.0817851
853	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86436342	-97.08192123
560	F,ls	STUDY AREA C - INTERTIDAL MARSH PRESENCE	27.8643654	-97.08205736
577	F,SO	STUDY AREA C - SCATTERED OYSTER PRESENCE	27.86436739	-97.08219349
568	CO	STUDY AREA C - CONSOLIDATED OYSTER BED	27.86436937	-97.08232962
701	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86437135	-97.08246576
891	D	STUDY AREA C - DEEP, 8+ FT	27.86437334	-97.08260189
961	D	STUDY AREA C - DEEP, 8+ FT	27.86437532	-97.08273802
699	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8643773	-97.08287415
690	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86437929	-97.08301028
1046	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86438127	-97.08314641
595	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86438325	-97.08328255
776	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86438524	-97.08341868
783	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86438722	-97.08355481
893	D	STUDY AREA C - DEEP, 8+ FT	27.86446256	-97.08042155
941	D	STUDY AREA C - DEEP, 8+ FT	27.86446455	-97.08055768
942	D	STUDY AREA C - DEEP, 8+ FT	27.86446653	-97.08069381
724	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86446852	-97.08082994
664	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86447051	-97.08096607
665	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86447249	-97.08110221
591	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86447448	-97.08123834
808	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86447646	-97.08137447
815	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86447845	-97.0815106
812	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86448043	-97.08164673
847	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86448241	-97.08178286
852	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8644844	-97.081919
1075	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86448638	-97.08205513
1077	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86448837	-97.08219126
824	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86449035	-97.08232739
919	D	STUDY AREA C - DEEP, 8+ FT	27.86449234	-97.08246352
889	D	STUDY AREA C - DEEP, 8+ FT	27.86449432	-97.08259966
666	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8644963	-97.08273579
714	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86449829	-97.08287192
667	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86450027	-97.08300805
592	M,H	STUDY AREA C - SHELL HASH PRESENCE	27.86450225	-97.08314418
1067	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86450424	-97.08328031
970	D	STUDY AREA C - DEEP, 8+ FT	27.86458553	-97.08055545
965	D	STUDY AREA C - DEEP, 8+ FT	27.86458752	-97.08069158

<p align="center"><b>Bluewater Texas Terminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area C - Transect Sampling Data</b></p>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
1032	D	STUDY AREA C - DEEP, 8+ FT	27.8645895	-97.08082771
684	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86459149	-97.08096384
590	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86459347	-97.08109997
694	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86459546	-97.0812361
688	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86459744	-97.08137224
693	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86459943	-97.08150837
743	F,R	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86460141	-97.0816445
774	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8646034	-97.08178063
854	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86460538	-97.08191676
1052	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86460737	-97.08205289
1048	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86460935	-97.08218903
936	D	STUDY AREA C - DEEP, 8+ FT	27.86461133	-97.08232516
897	D	STUDY AREA C - DEEP, 8+ FT	27.86461332	-97.08246129
722	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8646153	-97.08259742
674	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86461728	-97.08273355
589	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86461927	-97.08286969
772	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86462125	-97.08300582
817	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86462323	-97.08314195
966	D	STUDY AREA C - DEEP, 8+ FT	27.8647085	-97.08068934
1033	D	STUDY AREA C - DEEP, 8+ FT	27.86471048	-97.08082547
1002	D	STUDY AREA C - DEEP, 8+ FT	27.86471247	-97.08096161
955	D	STUDY AREA C - DEEP, 8+ FT	27.86471445	-97.08109774
1015	D	STUDY AREA C - DEEP, 8+ FT	27.86471644	-97.08123387
991	D	STUDY AREA C - DEEP, 8+ FT	27.86471842	-97.08137
697	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86472041	-97.08150613
692	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86472239	-97.08164227
698	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86472438	-97.0817784
1119	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86472636	-97.08191453
1055	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86472835	-97.08205066
671	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86473033	-97.0821868
937	D	STUDY AREA C - DEEP, 8+ FT	27.86473232	-97.08232293
705	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8647343	-97.08245906
723	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86473628	-97.08259519
675	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86473827	-97.08273132
828	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86474025	-97.08286746
635	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86474223	-97.08300359
879	D	STUDY AREA C - DEEP, 8+ FT	27.86483147	-97.08082324
1000	D	STUDY AREA C - DEEP, 8+ FT	27.86483345	-97.08095937
952	D	STUDY AREA C - DEEP, 8+ FT	27.86483544	-97.0810955
1005	D	STUDY AREA C - DEEP, 8+ FT	27.86483742	-97.08123164
987	D	STUDY AREA C - DEEP, 8+ FT	27.86483941	-97.08136777
1003	D	STUDY AREA C - DEEP, 8+ FT	27.86484139	-97.0815039
998	D	STUDY AREA C - DEEP, 8+ FT	27.86484338	-97.08164003
1004	D	STUDY AREA C - DEEP, 8+ FT	27.86484536	-97.08177617
708	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86484735	-97.0819123
1049	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86484933	-97.08204843
1047	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86485131	-97.08218456

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area C - Transect Sampling Data</b>				
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<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
719	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8648533	-97.08232069
702	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86485528	-97.08245683
721	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86485727	-97.08259296
801	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86485925	-97.08272909
971	D	STUDY AREA C - DEEP, 8+ FT	27.86495443	-97.08095714
949	D	STUDY AREA C - DEEP, 8+ FT	27.86495642	-97.08109327
976	D	STUDY AREA C - DEEP, 8+ FT	27.8649584	-97.0812294
972	D	STUDY AREA C - DEEP, 8+ FT	27.86496039	-97.08136554
974	D	STUDY AREA C - DEEP, 8+ FT	27.86496237	-97.08150167
973	D	STUDY AREA C - DEEP, 8+ FT	27.86496436	-97.0816378
975	D	STUDY AREA C - DEEP, 8+ FT	27.86496634	-97.08177393
707	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86496833	-97.08191007
1044	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86497031	-97.0820462
670	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8649723	-97.08218233
720	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86497428	-97.08231846
1103	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86497626	-97.08245459
865	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86497825	-97.08259073
954	D	STUDY AREA C - DEEP, 8+ FT	27.8650774	-97.08109104
997	D	STUDY AREA C - DEEP, 8+ FT	27.86507939	-97.08122717
990	D	STUDY AREA C - DEEP, 8+ FT	27.86508137	-97.0813633
984	D	STUDY AREA C - DEEP, 8+ FT	27.86508336	-97.08149943
1009	D	STUDY AREA C - DEEP, 8+ FT	27.86508534	-97.08163557
996	D	STUDY AREA C - DEEP, 8+ FT	27.86508732	-97.0817717
713	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86508931	-97.08190783
691	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86509129	-97.08204396
807	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86509328	-97.0821801
1074	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86509526	-97.08231623
761	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86509725	-97.08245236
857	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86509923	-97.0825885
953	D	STUDY AREA C - DEEP, 8+ FT	27.86519838	-97.0810888
1012	D	STUDY AREA C - DEEP, 8+ FT	27.86520037	-97.08122494
988	D	STUDY AREA C - DEEP, 8+ FT	27.86520235	-97.08136107
1010	D	STUDY AREA C - DEEP, 8+ FT	27.86520434	-97.0814972
1007	D	STUDY AREA C - DEEP, 8+ FT	27.86520632	-97.08163333
1011	D	STUDY AREA C - DEEP, 8+ FT	27.86520831	-97.08176947
710	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86521029	-97.0819056
1053	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86521228	-97.08204173
844	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86521426	-97.08217786
741	F,R	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86521624	-97.082314
758	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86521823	-97.08245013
867	Inland	STUDY AREA C - INLAND	27.86522021	-97.08258626
912	D	STUDY AREA C - DEEP, 8+ FT	27.86532135	-97.0812227
908	D	STUDY AREA C - DEEP, 8+ FT	27.86532333	-97.08135883
910	D	STUDY AREA C - DEEP, 8+ FT	27.86532532	-97.08149497
909	D	STUDY AREA C - DEEP, 8+ FT	27.8653273	-97.0816311
911	D	STUDY AREA C - DEEP, 8+ FT	27.86532929	-97.08176723
586	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86533127	-97.08190337



**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area C - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1126	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86533326	-97.0820395
851	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86533524	-97.08217563
832	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86533723	-97.08231177
607	F,H,R	STUDY AREA C - SHELL HASH PRESENCE	27.86533921	-97.0824479
866	Inland	STUDY AREA C - INLAND	27.86534119	-97.08258403
989	D	STUDY AREA C - DEEP, 8+ FT	27.86544432	-97.0813566
1013	D	STUDY AREA C - DEEP, 8+ FT	27.8654463	-97.08149273
1008	D	STUDY AREA C - DEEP, 8+ FT	27.86544829	-97.08162887
696	S	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86545027	-97.081765
711	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86545225	-97.08190113
839	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86545424	-97.08203727
846	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86545622	-97.0821734
849	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86545821	-97.08230953
760	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86546019	-97.08244567
868	Inland	STUDY AREA C - INLAND	27.86546217	-97.0825818
1018	D	STUDY AREA C - DEEP, 8+ FT	27.86556728	-97.0814905
1006	D	STUDY AREA C - DEEP, 8+ FT	27.86556927	-97.08162663
1019	D	STUDY AREA C - DEEP, 8+ FT	27.86557125	-97.08176277
709	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86557324	-97.0818989
788	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86557522	-97.08203503
843	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86557721	-97.08217117
848	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86557919	-97.0823073
759	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86558117	-97.08244343
603	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86558316	-97.08257957
913	D	STUDY AREA C - DEEP, 8+ FT	27.86569025	-97.0816244
914	D	STUDY AREA C - DEEP, 8+ FT	27.86569223	-97.08176053
706	M	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86569422	-97.08189667
588	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.8656962	-97.0820328
856	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86569819	-97.08216893
615	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86570017	-97.08230507
755	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86570216	-97.0824412
901	D	STUDY AREA C - DEEP, 8+ FT	27.86581322	-97.0817583
918	D	STUDY AREA C - DEEP, 8+ FT	27.8658152	-97.08189443
900	D	STUDY AREA C - DEEP, 8+ FT	27.86581718	-97.08203057
855	F	STUDY AREA C - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.86581917	-97.0821667
611	F,H	STUDY AREA C - SHELL HASH PRESENCE	27.86582115	-97.08230284
921	D	STUDY AREA C - DEEP, 8+ FT	27.86593618	-97.0818922
940	D	STUDY AREA C - DEEP, 8+ FT	27.86593817	-97.08202834

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## STUDY AREA “D”

### Transect Sampling Data

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1463	D	STUDY AREA D - DEEP, 8+ FT	27.8507327	-97.0636685
1740	D	STUDY AREA D - DEEP, 8+ FT	27.850735	-97.06382318
1703	D	STUDY AREA D - DEEP, 8+ FT	27.8507373	-97.06397785
1702	D	STUDY AREA D - DEEP, 8+ FT	27.8507395	-97.06413253
1700	D	STUDY AREA D - DEEP, 8+ FT	27.8507418	-97.0642872
1701	D	STUDY AREA D - DEEP, 8+ FT	27.8507441	-97.06444187
2474	D	STUDY AREA D - DEEP, 8+ FT	27.8507464	-97.06459655
2473	D	STUDY AREA D - DEEP, 8+ FT	27.8507486	-97.06475122
1582	D	STUDY AREA D - DEEP, 8+ FT	27.8508406	-97.06165517
1590	D	STUDY AREA D - DEEP, 8+ FT	27.8508429	-97.06180985
1589	D	STUDY AREA D - DEEP, 8+ FT	27.8508451	-97.06196452
1588	D	STUDY AREA D - DEEP, 8+ FT	27.8508474	-97.0621192
1587	D	STUDY AREA D - DEEP, 8+ FT	27.8508497	-97.06227387
1585	D	STUDY AREA D - DEEP, 8+ FT	27.850852	-97.06242855
1584	D	STUDY AREA D - DEEP, 8+ FT	27.8508542	-97.06258322
1583	D	STUDY AREA D - DEEP, 8+ FT	27.8508565	-97.06273789
2479	D	STUDY AREA D - DEEP, 8+ FT	27.8508588	-97.06289257
2478	D	STUDY AREA D - DEEP, 8+ FT	27.8508611	-97.06304724
2477	D	STUDY AREA D - DEEP, 8+ FT	27.8508634	-97.06320192
1712	D	STUDY AREA D - DEEP, 8+ FT	27.8508656	-97.06335659
1711	D	STUDY AREA D - DEEP, 8+ FT	27.8508679	-97.06351127
1710	D	STUDY AREA D - DEEP, 8+ FT	27.8508702	-97.06366594
1709	D	STUDY AREA D - DEEP, 8+ FT	27.8508725	-97.06382062
1708	D	STUDY AREA D - DEEP, 8+ FT	27.8508747	-97.06397529
1707	D	STUDY AREA D - DEEP, 8+ FT	27.850877	-97.06412996
1706	D	STUDY AREA D - DEEP, 8+ FT	27.8508793	-97.06428464
1705	D	STUDY AREA D - DEEP, 8+ FT	27.8508816	-97.06443931
1704	D	STUDY AREA D - DEEP, 8+ FT	27.8508838	-97.06459399
2476	D	STUDY AREA D - DEEP, 8+ FT	27.8508861	-97.06474866
2475	D	STUDY AREA D - DEEP, 8+ FT	27.8508884	-97.06490334
1595	D	STUDY AREA D - DEEP, 8+ FT	27.8509484	-97.05964184
1594	D	STUDY AREA D - DEEP, 8+ FT	27.8509507	-97.05979651
1593	D	STUDY AREA D - DEEP, 8+ FT	27.850953	-97.05995119
1592	D	STUDY AREA D - DEEP, 8+ FT	27.8509553	-97.06010586
1591	D	STUDY AREA D - DEEP, 8+ FT	27.8509575	-97.06026054
1586	D	STUDY AREA D - DEEP, 8+ FT	27.8509598	-97.06041521
1577	D	STUDY AREA D - DEEP, 8+ FT	27.8509621	-97.06056989
1576	D	STUDY AREA D - DEEP, 8+ FT	27.8509644	-97.06072456
1574	D	STUDY AREA D - DEEP, 8+ FT	27.8509667	-97.06087924
1573	D	STUDY AREA D - DEEP, 8+ FT	27.8509689	-97.06103391
1572	D	STUDY AREA D - DEEP, 8+ FT	27.8509712	-97.06118859
2471	D	STUDY AREA D - DEEP, 8+ FT	27.8509735	-97.06134326
1571	D	STUDY AREA D - DEEP, 8+ FT	27.8509758	-97.06149794
1570	D	STUDY AREA D - DEEP, 8+ FT	27.8509781	-97.06165261
1569	D	STUDY AREA D - DEEP, 8+ FT	27.8509803	-97.06180728
1568	D	STUDY AREA D - DEEP, 8+ FT	27.8509826	-97.06196196
1567	D	STUDY AREA D - DEEP, 8+ FT	27.8509849	-97.06211663

<p align="center"><b>Bluewater TexasTerminal LLC</b>  <b>Bluewater SPM Project</b>  <b>Appendix B</b>  <b>Study Area D - Transect Sampling Data</b></p>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
1566	D	STUDY AREA D - DEEP, 8+ FT	27.8509872	-97.06227131
1565	D	STUDY AREA D - DEEP, 8+ FT	27.8509895	-97.06242598
1564	D	STUDY AREA D - DEEP, 8+ FT	27.8509917	-97.06258066
1563	D	STUDY AREA D - DEEP, 8+ FT	27.850994	-97.06273533
2484	D	STUDY AREA D - DEEP, 8+ FT	27.8509963	-97.06289001
1198	M,H	STUDY AREA D - SHELL HASH	27.8509986	-97.06304468
2483	D	STUDY AREA D - DEEP, 8+ FT	27.8510008	-97.06319936
1720	D	STUDY AREA D - DEEP, 8+ FT	27.8510031	-97.06335403
1719	D	STUDY AREA D - DEEP, 8+ FT	27.8510054	-97.0635087
1741	D	STUDY AREA D - DEEP, 8+ FT	27.8510077	-97.06366338
1739	D	STUDY AREA D - DEEP, 8+ FT	27.8510099	-97.06381806
1718	D	STUDY AREA D - DEEP, 8+ FT	27.8510122	-97.06397273
1717	D	STUDY AREA D - DEEP, 8+ FT	27.8510145	-97.0641274
1716	D	STUDY AREA D - DEEP, 8+ FT	27.8510168	-97.06428208
1715	D	STUDY AREA D - DEEP, 8+ FT	27.851019	-97.06443675
1714	D	STUDY AREA D - DEEP, 8+ FT	27.8510213	-97.06459143
1713	D	STUDY AREA D - DEEP, 8+ FT	27.8510236	-97.0647461
2482	D	STUDY AREA D - DEEP, 8+ FT	27.8510259	-97.06490078
2481	D	STUDY AREA D - DEEP, 8+ FT	27.8510281	-97.06505545
1621	D	STUDY AREA D - DEEP, 8+ FT	27.8510562	-97.0576285
1620	D	STUDY AREA D - DEEP, 8+ FT	27.8510585	-97.05778318
1619	D	STUDY AREA D - DEEP, 8+ FT	27.8510608	-97.05793785
1618	D	STUDY AREA D - DEEP, 8+ FT	27.8510631	-97.05809253
1617	D	STUDY AREA D - DEEP, 8+ FT	27.8510654	-97.0582472
1616	D	STUDY AREA D - DEEP, 8+ FT	27.8510676	-97.05840188
1615	D	STUDY AREA D - DEEP, 8+ FT	27.8510699	-97.05855655
1614	D	STUDY AREA D - DEEP, 8+ FT	27.8510722	-97.05871123
1613	D	STUDY AREA D - DEEP, 8+ FT	27.8510745	-97.0588659
1612	D	STUDY AREA D - DEEP, 8+ FT	27.8510768	-97.05902057
1611	D	STUDY AREA D - DEEP, 8+ FT	27.8510791	-97.05917525
1610	D	STUDY AREA D - DEEP, 8+ FT	27.8510813	-97.05932992
1609	D	STUDY AREA D - DEEP, 8+ FT	27.8510836	-97.0594846
1608	D	STUDY AREA D - DEEP, 8+ FT	27.8510859	-97.05963927
1607	D	STUDY AREA D - DEEP, 8+ FT	27.8510882	-97.05979395
1606	D	STUDY AREA D - DEEP, 8+ FT	27.8510905	-97.05994862
1605	D	STUDY AREA D - DEEP, 8+ FT	27.8510927	-97.0601033
1604	D	STUDY AREA D - DEEP, 8+ FT	27.851095	-97.06025797
1603	D	STUDY AREA D - DEEP, 8+ FT	27.8510973	-97.06041265
1602	D	STUDY AREA D - DEEP, 8+ FT	27.8510996	-97.06056732
1601	D	STUDY AREA D - DEEP, 8+ FT	27.8511019	-97.060722
1600	D	STUDY AREA D - DEEP, 8+ FT	27.8511041	-97.06087667
1599	D	STUDY AREA D - DEEP, 8+ FT	27.8511064	-97.06103135
1598	D	STUDY AREA D - DEEP, 8+ FT	27.8511087	-97.06118602
1597	D	STUDY AREA D - DEEP, 8+ FT	27.851111	-97.0613407
1596	D	STUDY AREA D - DEEP, 8+ FT	27.8511133	-97.06149537
2492	D	STUDY AREA D - DEEP, 8+ FT	27.8511155	-97.06165005
2491	D	STUDY AREA D - DEEP, 8+ FT	27.8511178	-97.06180472

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area D - Transect Sampling Data</b>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
2490	D	STUDY AREA D - DEEP, 8+ FT	27.8511201	-97.0619594
1575	D	STUDY AREA D - DEEP, 8+ FT	27.8511224	-97.06211407
1581	D	STUDY AREA D - DEEP, 8+ FT	27.8511247	-97.06226875
1580	D	STUDY AREA D - DEEP, 8+ FT	27.8511269	-97.06242342
1579	D	STUDY AREA D - DEEP, 8+ FT	27.8511292	-97.0625781
1578	D	STUDY AREA D - DEEP, 8+ FT	27.8511315	-97.06273277
2489	D	STUDY AREA D - DEEP, 8+ FT	27.8511338	-97.06288744
1313	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851136	-97.06304212
2488	D	STUDY AREA D - DEEP, 8+ FT	27.8511383	-97.06319679
2487	D	STUDY AREA D - DEEP, 8+ FT	27.8511406	-97.06335147
1738	D	STUDY AREA D - DEEP, 8+ FT	27.8511429	-97.06350614
1737	D	STUDY AREA D - DEEP, 8+ FT	27.8511451	-97.06366082
1736	D	STUDY AREA D - DEEP, 8+ FT	27.8511474	-97.06381549
1735	D	STUDY AREA D - DEEP, 8+ FT	27.8511497	-97.06397017
1734	D	STUDY AREA D - DEEP, 8+ FT	27.851152	-97.06412484
1733	D	STUDY AREA D - DEEP, 8+ FT	27.8511543	-97.06427952
1732	D	STUDY AREA D - DEEP, 8+ FT	27.8511565	-97.06443419
1731	D	STUDY AREA D - DEEP, 8+ FT	27.8511588	-97.06458887
1730	D	STUDY AREA D - DEEP, 8+ FT	27.8511611	-97.06474354
1729	D	STUDY AREA D - DEEP, 8+ FT	27.8511634	-97.06489822
1650	D	STUDY AREA D - DEEP, 8+ FT	27.851164	-97.05561516
2486	D	STUDY AREA D - DEEP, 8+ FT	27.8511656	-97.06505289
1649	D	STUDY AREA D - DEEP, 8+ FT	27.8511663	-97.05576984
2485	D	STUDY AREA D - DEEP, 8+ FT	27.8511679	-97.06520757
1648	D	STUDY AREA D - DEEP, 8+ FT	27.8511686	-97.05592451
1647	D	STUDY AREA D - DEEP, 8+ FT	27.8511709	-97.05607918
1646	D	STUDY AREA D - DEEP, 8+ FT	27.8511731	-97.05623386
1645	D	STUDY AREA D - DEEP, 8+ FT	27.8511754	-97.05638853
1644	D	STUDY AREA D - DEEP, 8+ FT	27.8511777	-97.05654321
1643	D	STUDY AREA D - DEEP, 8+ FT	27.85118	-97.05669788
1642	D	STUDY AREA D - DEEP, 8+ FT	27.8511823	-97.05685256
1641	D	STUDY AREA D - DEEP, 8+ FT	27.8511846	-97.05700723
1640	D	STUDY AREA D - DEEP, 8+ FT	27.8511869	-97.05716191
1639	D	STUDY AREA D - DEEP, 8+ FT	27.8511891	-97.05731658
1638	D	STUDY AREA D - DEEP, 8+ FT	27.8511914	-97.05747126
1637	D	STUDY AREA D - DEEP, 8+ FT	27.8511937	-97.05762593
1636	D	STUDY AREA D - DEEP, 8+ FT	27.851196	-97.05778061
1635	D	STUDY AREA D - DEEP, 8+ FT	27.8511983	-97.05793528
1634	D	STUDY AREA D - DEEP, 8+ FT	27.8512006	-97.05808996
1633	D	STUDY AREA D - DEEP, 8+ FT	27.8512028	-97.05824463
1632	D	STUDY AREA D - DEEP, 8+ FT	27.8512051	-97.05839931
1631	D	STUDY AREA D - DEEP, 8+ FT	27.8512074	-97.05855398
1630	D	STUDY AREA D - DEEP, 8+ FT	27.8512097	-97.05870866
1629	D	STUDY AREA D - DEEP, 8+ FT	27.851212	-97.05886333
1628	D	STUDY AREA D - DEEP, 8+ FT	27.8512143	-97.05901801
1627	D	STUDY AREA D - DEEP, 8+ FT	27.8512165	-97.05917268
1626	D	STUDY AREA D - DEEP, 8+ FT	27.8512188	-97.05932736



**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1625	D	STUDY AREA D - DEEP, 8+ FT	27.8512211	-97.05948203
1624	D	STUDY AREA D - DEEP, 8+ FT	27.8512234	-97.05963671
1623	D	STUDY AREA D - DEEP, 8+ FT	27.8512257	-97.05979138
1622	D	STUDY AREA D - DEEP, 8+ FT	27.8512279	-97.05994606
1562	D	STUDY AREA D - DEEP, 8+ FT	27.8512302	-97.06010073
1561	D	STUDY AREA D - DEEP, 8+ FT	27.8512325	-97.06025541
1560	D	STUDY AREA D - DEEP, 8+ FT	27.8512348	-97.06041008
1559	D	STUDY AREA D - DEEP, 8+ FT	27.8512371	-97.06056476
1558	D	STUDY AREA D - DEEP, 8+ FT	27.8512393	-97.06071943
1557	D	STUDY AREA D - DEEP, 8+ FT	27.8512416	-97.06087411
1556	D	STUDY AREA D - DEEP, 8+ FT	27.8512439	-97.06102878
2511	D	STUDY AREA D - DEEP, 8+ FT	27.8512462	-97.06118346
2510	D	STUDY AREA D - DEEP, 8+ FT	27.8512485	-97.06133813
2509	D	STUDY AREA D - DEEP, 8+ FT	27.8512507	-97.06149281
2508	D	STUDY AREA D - DEEP, 8+ FT	27.851253	-97.06164748
1311	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512553	-97.06180216
2507	D	STUDY AREA D - DEEP, 8+ FT	27.8512576	-97.06195683
2506	D	STUDY AREA D - DEEP, 8+ FT	27.8512599	-97.06211151
2505	D	STUDY AREA D - DEEP, 8+ FT	27.8512621	-97.06226618
2504	D	STUDY AREA D - DEEP, 8+ FT	27.8512644	-97.06242086
2503	D	STUDY AREA D - DEEP, 8+ FT	27.8512667	-97.06257553
2502	D	STUDY AREA D - DEEP, 8+ FT	27.851269	-97.06273021
2501	D	STUDY AREA D - DEEP, 8+ FT	27.8512712	-97.06288488
2500	D	STUDY AREA D - DEEP, 8+ FT	27.8512735	-97.06303956
1312	S	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512758	-97.06319423
2499	D	STUDY AREA D - DEEP, 8+ FT	27.8512781	-97.06334891
1462	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512786	-97.05406584
2498	D	STUDY AREA D - DEEP, 8+ FT	27.8512803	-97.06350358
1461	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512809	-97.05422051
2497	D	STUDY AREA D - DEEP, 8+ FT	27.8512826	-97.06365826
1380	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512832	-97.05437519
2496	D	STUDY AREA D - DEEP, 8+ FT	27.8512849	-97.06381293
1302	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8512855	-97.05452986
1699	D	STUDY AREA D - DEEP, 8+ FT	27.8512872	-97.06396761
1862	D	STUDY AREA D - DEEP, 8+ FT	27.8512878	-97.05468454
1698	D	STUDY AREA D - DEEP, 8+ FT	27.8512895	-97.06412228
1861	D	STUDY AREA D - DEEP, 8+ FT	27.8512901	-97.05483921
1697	D	STUDY AREA D - DEEP, 8+ FT	27.8512917	-97.06427696
1860	D	STUDY AREA D - DEEP, 8+ FT	27.8512923	-97.05499389
1696	D	STUDY AREA D - DEEP, 8+ FT	27.851294	-97.06443163
1859	D	STUDY AREA D - DEEP, 8+ FT	27.8512946	-97.05514856
1695	D	STUDY AREA D - DEEP, 8+ FT	27.8512963	-97.06458631
1858	D	STUDY AREA D - DEEP, 8+ FT	27.8512969	-97.05530324
1694	D	STUDY AREA D - DEEP, 8+ FT	27.8512986	-97.06474098
1857	D	STUDY AREA D - DEEP, 8+ FT	27.8512992	-97.05545791
1693	D	STUDY AREA D - DEEP, 8+ FT	27.8513008	-97.06489566
1856	D	STUDY AREA D - DEEP, 8+ FT	27.8513015	-97.05561259

**Bluewater Texas Terminal LLC**  
**Bluewater SPM Project**  
**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1692	D	STUDY AREA D - DEEP, 8+ FT	27.8513031	-97.06505033
1855	D	STUDY AREA D - DEEP, 8+ FT	27.8513038	-97.05576726
2495	D	STUDY AREA D - DEEP, 8+ FT	27.8513054	-97.06520501
1854	D	STUDY AREA D - DEEP, 8+ FT	27.8513061	-97.05592194
2494	D	STUDY AREA D - DEEP, 8+ FT	27.8513077	-97.06535969
1853	D	STUDY AREA D - DEEP, 8+ FT	27.8513083	-97.05607661
2493	D	STUDY AREA D - DEEP, 8+ FT	27.8513099	-97.06551436
1852	D	STUDY AREA D - DEEP, 8+ FT	27.8513106	-97.05623129
1299	F,R	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513122	-97.06566904
1851	D	STUDY AREA D - DEEP, 8+ FT	27.8513129	-97.05638596
1242	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513145	-97.06582371
1850	D	STUDY AREA D - DEEP, 8+ FT	27.8513152	-97.05654064
1144	F,ls	STUDY AREA D - INTERTIDAL MARSH	27.8513168	-97.06597838
1849	D	STUDY AREA D - DEEP, 8+ FT	27.8513175	-97.05669531
1848	D	STUDY AREA D - DEEP, 8+ FT	27.8513198	-97.05684999
1847	D	STUDY AREA D - DEEP, 8+ FT	27.851322	-97.05700466
1846	D	STUDY AREA D - DEEP, 8+ FT	27.8513243	-97.05715934
1845	D	STUDY AREA D - DEEP, 8+ FT	27.8513266	-97.05731401
1844	D	STUDY AREA D - DEEP, 8+ FT	27.8513289	-97.05746869
1843	D	STUDY AREA D - DEEP, 8+ FT	27.8513312	-97.05762336
1842	D	STUDY AREA D - DEEP, 8+ FT	27.8513335	-97.05777804
1841	D	STUDY AREA D - DEEP, 8+ FT	27.8513358	-97.05793271
1840	D	STUDY AREA D - DEEP, 8+ FT	27.851338	-97.05808739
1839	D	STUDY AREA D - DEEP, 8+ FT	27.8513403	-97.05824206
1838	D	STUDY AREA D - DEEP, 8+ FT	27.8513426	-97.05839674
1837	D	STUDY AREA D - DEEP, 8+ FT	27.8513449	-97.05855141
1836	D	STUDY AREA D - DEEP, 8+ FT	27.8513472	-97.05870609
1835	D	STUDY AREA D - DEEP, 8+ FT	27.8513494	-97.05886076
1834	D	STUDY AREA D - DEEP, 8+ FT	27.8513517	-97.05901544
1833	D	STUDY AREA D - DEEP, 8+ FT	27.851354	-97.05917012
1832	D	STUDY AREA D - DEEP, 8+ FT	27.8513563	-97.05932479
1831	D	STUDY AREA D - DEEP, 8+ FT	27.8513586	-97.05947947
1830	D	STUDY AREA D - DEEP, 8+ FT	27.8513609	-97.05963414
1829	D	STUDY AREA D - DEEP, 8+ FT	27.8513631	-97.05978882
1828	D	STUDY AREA D - DEEP, 8+ FT	27.8513654	-97.05994349
1827	D	STUDY AREA D - DEEP, 8+ FT	27.8513677	-97.06009817
1826	D	STUDY AREA D - DEEP, 8+ FT	27.85137	-97.06025284
1825	D	STUDY AREA D - DEEP, 8+ FT	27.8513723	-97.06040752
1824	D	STUDY AREA D - DEEP, 8+ FT	27.8513745	-97.06056219
1823	D	STUDY AREA D - DEEP, 8+ FT	27.8513768	-97.06071687
2590	D	STUDY AREA D - DEEP, 8+ FT	27.8513791	-97.06087154
2589	D	STUDY AREA D - DEEP, 8+ FT	27.8513814	-97.06102622
2588	D	STUDY AREA D - DEEP, 8+ FT	27.8513837	-97.06118089
1261	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513859	-97.06133557
1207	F,H	STUDY AREA D - SHELL HASH	27.8513882	-97.06149024
1147	F,H	STUDY AREA D - SHELL HASH	27.8513905	-97.06164492
1201	M,H	STUDY AREA D - SHELL HASH	27.8513928	-97.06179959

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1256	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513951	-97.06195427
1255	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513973	-97.06210894
1254	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8513996	-97.06226362
1253	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514019	-97.06241829
1251	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514042	-97.06257297
1250	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514064	-97.06272764
1249	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514087	-97.06288232
1248	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851411	-97.06303699
1247	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514133	-97.06319167
1460	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514138	-97.05390859
1314	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514156	-97.06334635
1390	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514161	-97.05406327
1203	M,H	STUDY AREA D - SHELL HASH	27.8514178	-97.06350102
1389	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514184	-97.05421794
1202	S,H	STUDY AREA D - SHELL HASH	27.8514201	-97.0636557
1388	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514207	-97.05437262
2587	D	STUDY AREA D - DEEP, 8+ FT	27.8514224	-97.06381037
1894	D	STUDY AREA D - DEEP, 8+ FT	27.851423	-97.05452729
2515	D	STUDY AREA D - DEEP, 8+ FT	27.8514247	-97.06396505
1893	D	STUDY AREA D - DEEP, 8+ FT	27.8514252	-97.05468197
1728	D	STUDY AREA D - DEEP, 8+ FT	27.8514269	-97.06411972
1892	D	STUDY AREA D - DEEP, 8+ FT	27.8514275	-97.05483664
1727	D	STUDY AREA D - DEEP, 8+ FT	27.8514292	-97.0642744
1918	D	STUDY AREA D - DEEP, 8+ FT	27.8514298	-97.05499132
1726	D	STUDY AREA D - DEEP, 8+ FT	27.8514315	-97.06442907
1917	D	STUDY AREA D - DEEP, 8+ FT	27.8514321	-97.05514599
1725	D	STUDY AREA D - DEEP, 8+ FT	27.8514338	-97.06458375
1916	D	STUDY AREA D - DEEP, 8+ FT	27.8514344	-97.05530067
1724	D	STUDY AREA D - DEEP, 8+ FT	27.851436	-97.06473842
1915	D	STUDY AREA D - DEEP, 8+ FT	27.8514367	-97.05545534
1723	D	STUDY AREA D - DEEP, 8+ FT	27.8514383	-97.0648931
1914	D	STUDY AREA D - DEEP, 8+ FT	27.851439	-97.05561002
1721	D	STUDY AREA D - DEEP, 8+ FT	27.8514406	-97.06504778
1913	D	STUDY AREA D - DEEP, 8+ FT	27.8514412	-97.05576469
1777	D	STUDY AREA D - DEEP, 8+ FT	27.8514429	-97.06520245
1912	D	STUDY AREA D - DEEP, 8+ FT	27.8514435	-97.05591937
1722	D	STUDY AREA D - DEEP, 8+ FT	27.8514451	-97.06535713
1911	D	STUDY AREA D - DEEP, 8+ FT	27.8514458	-97.05607404
2514	D	STUDY AREA D - DEEP, 8+ FT	27.8514474	-97.0655118
1891	D	STUDY AREA D - DEEP, 8+ FT	27.8514481	-97.05622872
2513	D	STUDY AREA D - DEEP, 8+ FT	27.8514497	-97.06566648
1890	D	STUDY AREA D - DEEP, 8+ FT	27.8514504	-97.05638339
2512	D	STUDY AREA D - DEEP, 8+ FT	27.851452	-97.06582115
1889	D	STUDY AREA D - DEEP, 8+ FT	27.8514527	-97.05653807
1259	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514542	-97.06597583
1888	D	STUDY AREA D - DEEP, 8+ FT	27.851455	-97.05669274
1258	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514565	-97.0661305

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1887	D	STUDY AREA D - DEEP, 8+ FT	27.8514572	-97.05684742
1257	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8514588	-97.06628518
1886	D	STUDY AREA D - DEEP, 8+ FT	27.8514595	-97.05700209
1146	F,Is	STUDY AREA D - INTERTIDAL MARSH	27.851461	-97.06643985
1885	D	STUDY AREA D - DEEP, 8+ FT	27.8514618	-97.05715677
1884	D	STUDY AREA D - DEEP, 8+ FT	27.8514641	-97.05731144
1883	D	STUDY AREA D - DEEP, 8+ FT	27.8514664	-97.05746612
1882	D	STUDY AREA D - DEEP, 8+ FT	27.8514687	-97.05762079
1881	D	STUDY AREA D - DEEP, 8+ FT	27.8514709	-97.05777547
1880	D	STUDY AREA D - DEEP, 8+ FT	27.8514732	-97.05793014
1879	D	STUDY AREA D - DEEP, 8+ FT	27.8514755	-97.05808482
1878	D	STUDY AREA D - DEEP, 8+ FT	27.8514778	-97.0582395
1877	D	STUDY AREA D - DEEP, 8+ FT	27.8514801	-97.05839417
1876	D	STUDY AREA D - DEEP, 8+ FT	27.8514824	-97.05854885
1875	D	STUDY AREA D - DEEP, 8+ FT	27.8514846	-97.05870352
1874	D	STUDY AREA D - DEEP, 8+ FT	27.8514869	-97.0588582
1873	D	STUDY AREA D - DEEP, 8+ FT	27.8514892	-97.05901287
1872	D	STUDY AREA D - DEEP, 8+ FT	27.8514915	-97.05916755
1871	D	STUDY AREA D - DEEP, 8+ FT	27.8514938	-97.05932222
1870	D	STUDY AREA D - DEEP, 8+ FT	27.8514961	-97.0594769
1869	D	STUDY AREA D - DEEP, 8+ FT	27.8514983	-97.05963157
1868	D	STUDY AREA D - DEEP, 8+ FT	27.8515006	-97.05978625
1867	D	STUDY AREA D - DEEP, 8+ FT	27.8515029	-97.05994092
1866	D	STUDY AREA D - DEEP, 8+ FT	27.8515052	-97.0600956
1865	D	STUDY AREA D - DEEP, 8+ FT	27.8515075	-97.06025028
1864	D	STUDY AREA D - DEEP, 8+ FT	27.8515097	-97.06040495
1863	D	STUDY AREA D - DEEP, 8+ FT	27.851512	-97.06055963
2593	D	STUDY AREA D - DEEP, 8+ FT	27.8515143	-97.0607143
2592	D	STUDY AREA D - DEEP, 8+ FT	27.8515166	-97.06086898
1174	F,H	STUDY AREA D - SHELL HASH	27.8515189	-97.06102365
1173	M,H	STUDY AREA D - SHELL HASH	27.8515211	-97.06117833
1148	F,H	STUDY AREA D - SHELL HASH	27.8515234	-97.061333
1172	F,H	STUDY AREA D - SHELL HASH	27.8515257	-97.06148768
1171	M,H	STUDY AREA D - SHELL HASH	27.851528	-97.06164235
1170	F,H	STUDY AREA D - SHELL HASH	27.8515303	-97.06179703
1245	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515325	-97.06195171
1348	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515348	-97.06210638
1347	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515371	-97.06226106
1346	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515394	-97.06241573
1262	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515416	-97.06257041
1252	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515439	-97.06272508
1351	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515462	-97.06287976
1350	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515485	-97.06303443
1459	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851549	-97.05375134
1244	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515508	-97.06318911
1458	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515513	-97.05390602
1225	F,H	STUDY AREA D - SHELL HASH	27.851553	-97.06334378

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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1457	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515536	-97.05406069
1345	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515553	-97.06349846
1456	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515559	-97.05421537
1344	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515576	-97.06365314
1237	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515581	-97.05437004
1168	F,H	STUDY AREA D - SHELL HASH	27.8515599	-97.06380781
1958	D	STUDY AREA D - DEEP, 8+ FT	27.8515604	-97.05452472
2591	D	STUDY AREA D - DEEP, 8+ FT	27.8515621	-97.06396249
1957	D	STUDY AREA D - DEEP, 8+ FT	27.8515627	-97.05467939
1896	D	STUDY AREA D - DEEP, 8+ FT	27.8515644	-97.06411716
1956	D	STUDY AREA D - DEEP, 8+ FT	27.851565	-97.05483407
1821	D	STUDY AREA D - DEEP, 8+ FT	27.8515667	-97.06427184
1955	D	STUDY AREA D - DEEP, 8+ FT	27.8515673	-97.05498874
1820	D	STUDY AREA D - DEEP, 8+ FT	27.851569	-97.06442651
1954	D	STUDY AREA D - DEEP, 8+ FT	27.8515696	-97.05514342
1819	D	STUDY AREA D - DEEP, 8+ FT	27.8515712	-97.06458119
1953	D	STUDY AREA D - DEEP, 8+ FT	27.8515719	-97.05529809
1784	D	STUDY AREA D - DEEP, 8+ FT	27.8515735	-97.06473586
1952	D	STUDY AREA D - DEEP, 8+ FT	27.8515742	-97.05545277
1783	D	STUDY AREA D - DEEP, 8+ FT	27.8515758	-97.06489054
1951	D	STUDY AREA D - DEEP, 8+ FT	27.8515764	-97.05560744
1782	D	STUDY AREA D - DEEP, 8+ FT	27.8515781	-97.06504522
1950	D	STUDY AREA D - DEEP, 8+ FT	27.8515787	-97.05576212
1781	D	STUDY AREA D - DEEP, 8+ FT	27.8515803	-97.06519989
1949	D	STUDY AREA D - DEEP, 8+ FT	27.851581	-97.0559168
1780	D	STUDY AREA D - DEEP, 8+ FT	27.8515826	-97.06535457
1948	D	STUDY AREA D - DEEP, 8+ FT	27.8515833	-97.05607147
1779	D	STUDY AREA D - DEEP, 8+ FT	27.8515849	-97.06550924
1947	D	STUDY AREA D - DEEP, 8+ FT	27.8515856	-97.05622615
1778	D	STUDY AREA D - DEEP, 8+ FT	27.8515872	-97.06566392
1946	D	STUDY AREA D - DEEP, 8+ FT	27.8515879	-97.05638082
2596	D	STUDY AREA D - DEEP, 8+ FT	27.8515894	-97.06581859
1945	D	STUDY AREA D - DEEP, 8+ FT	27.8515902	-97.0565355
2595	D	STUDY AREA D - DEEP, 8+ FT	27.8515917	-97.06597327
1944	D	STUDY AREA D - DEEP, 8+ FT	27.8515924	-97.05669017
2594	D	STUDY AREA D - DEEP, 8+ FT	27.851594	-97.06612794
1943	D	STUDY AREA D - DEEP, 8+ FT	27.8515947	-97.05684485
1264	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515963	-97.06628262
1942	D	STUDY AREA D - DEEP, 8+ FT	27.851597	-97.05699952
1263	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8515985	-97.0664373
1941	D	STUDY AREA D - DEEP, 8+ FT	27.8515993	-97.0571542
1940	D	STUDY AREA D - DEEP, 8+ FT	27.8516016	-97.05730887
1939	D	STUDY AREA D - DEEP, 8+ FT	27.8516039	-97.05746355
1938	D	STUDY AREA D - DEEP, 8+ FT	27.8516061	-97.05761822
1937	D	STUDY AREA D - DEEP, 8+ FT	27.8516084	-97.0577729
1936	D	STUDY AREA D - DEEP, 8+ FT	27.8516107	-97.05792758
1934	D	STUDY AREA D - DEEP, 8+ FT	27.851613	-97.05808225



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**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1933	D	STUDY AREA D - DEEP, 8+ FT	27.8516153	-97.05823693
1932	D	STUDY AREA D - DEEP, 8+ FT	27.8516176	-97.0583916
1931	D	STUDY AREA D - DEEP, 8+ FT	27.8516198	-97.05854628
1930	D	STUDY AREA D - DEEP, 8+ FT	27.8516221	-97.05870095
1895	D	STUDY AREA D - DEEP, 8+ FT	27.8516244	-97.05885563
1929	D	STUDY AREA D - DEEP, 8+ FT	27.8516267	-97.05901031
1928	D	STUDY AREA D - DEEP, 8+ FT	27.851629	-97.05916498
1927	D	STUDY AREA D - DEEP, 8+ FT	27.8516312	-97.05931966
1926	D	STUDY AREA D - DEEP, 8+ FT	27.8516335	-97.05947433
1925	D	STUDY AREA D - DEEP, 8+ FT	27.8516358	-97.05962901
1924	D	STUDY AREA D - DEEP, 8+ FT	27.8516381	-97.05978368
1923	D	STUDY AREA D - DEEP, 8+ FT	27.8516404	-97.05993836
1922	D	STUDY AREA D - DEEP, 8+ FT	27.8516427	-97.06009303
1921	D	STUDY AREA D - DEEP, 8+ FT	27.8516449	-97.06024771
1920	D	STUDY AREA D - DEEP, 8+ FT	27.8516472	-97.06040239
1919	D	STUDY AREA D - DEEP, 8+ FT	27.8516495	-97.06055706
2524	D	STUDY AREA D - DEEP, 8+ FT	27.8516518	-97.06071174
1193	F,H	STUDY AREA D - SHELL HASH	27.8516541	-97.06086641
1177	M,H	STUDY AREA D - SHELL HASH	27.8516563	-97.06102109
1354	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516586	-97.06117576
1353	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516609	-97.06133044
1352	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516632	-97.06148511
1176	F,H	STUDY AREA D - SHELL HASH	27.8516655	-97.06163979
1175	F,H	STUDY AREA D - SHELL HASH	27.8516677	-97.06179447
1167	F,H	STUDY AREA D - SHELL HASH	27.85167	-97.06194914
1166	M,H	STUDY AREA D - SHELL HASH	27.8516723	-97.06210382
1329	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516746	-97.06225849
1328	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516768	-97.06241317
1326	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516791	-97.06256784
1324	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516814	-97.06272252
1273	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516837	-97.0628772
1268	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851686	-97.06303187
1455	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516865	-97.05374877
1267	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516882	-97.06318655
1454	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516888	-97.05390344
1266	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516905	-97.06334122
1453	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516911	-97.05405812
1265	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516928	-97.0634959
1452	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516933	-97.05421279
1246	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8516951	-97.06365057
1490	D	STUDY AREA D - DEEP, 8+ FT	27.8516956	-97.05436747
1162	F,H	STUDY AREA D - SHELL HASH	27.8516973	-97.06380525
1489	D	STUDY AREA D - DEEP, 8+ FT	27.8516979	-97.05452214
2520	D	STUDY AREA D - DEEP, 8+ FT	27.8516996	-97.06395993
1488	D	STUDY AREA D - DEEP, 8+ FT	27.8517002	-97.05467682
2519	D	STUDY AREA D - DEEP, 8+ FT	27.8517019	-97.0641146
1487	D	STUDY AREA D - DEEP, 8+ FT	27.8517025	-97.0548315

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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
2518	D	STUDY AREA D - DEEP, 8+ FT	27.8517042	-97.06426928
1486	D	STUDY AREA D - DEEP, 8+ FT	27.8517048	-97.05498617
2517	D	STUDY AREA D - DEEP, 8+ FT	27.8517064	-97.06442395
1485	D	STUDY AREA D - DEEP, 8+ FT	27.8517071	-97.05514085
1802	D	STUDY AREA D - DEEP, 8+ FT	27.8517087	-97.06457863
1484	D	STUDY AREA D - DEEP, 8+ FT	27.8517093	-97.05529552
1801	D	STUDY AREA D - DEEP, 8+ FT	27.851711	-97.0647333
1483	D	STUDY AREA D - DEEP, 8+ FT	27.8517116	-97.0554502
1800	D	STUDY AREA D - DEEP, 8+ FT	27.8517133	-97.06488798
1482	D	STUDY AREA D - DEEP, 8+ FT	27.8517139	-97.05560487
1799	D	STUDY AREA D - DEEP, 8+ FT	27.8517155	-97.06504266
1481	D	STUDY AREA D - DEEP, 8+ FT	27.8517162	-97.05575955
1798	D	STUDY AREA D - DEEP, 8+ FT	27.8517178	-97.06519733
1480	D	STUDY AREA D - DEEP, 8+ FT	27.8517185	-97.05591422
1797	D	STUDY AREA D - DEEP, 8+ FT	27.8517201	-97.06535201
1479	D	STUDY AREA D - DEEP, 8+ FT	27.8517208	-97.0560689
1796	D	STUDY AREA D - DEEP, 8+ FT	27.8517224	-97.06550668
1478	D	STUDY AREA D - DEEP, 8+ FT	27.8517231	-97.05622358
1795	D	STUDY AREA D - DEEP, 8+ FT	27.8517246	-97.06566136
1477	D	STUDY AREA D - DEEP, 8+ FT	27.8517253	-97.05637825
1794	D	STUDY AREA D - DEEP, 8+ FT	27.8517269	-97.06581604
1476	D	STUDY AREA D - DEEP, 8+ FT	27.8517276	-97.05653293
1793	D	STUDY AREA D - DEEP, 8+ FT	27.8517292	-97.06597071
1475	D	STUDY AREA D - DEEP, 8+ FT	27.8517299	-97.0566876
2516	D	STUDY AREA D - DEEP, 8+ FT	27.8517315	-97.06612539
1474	D	STUDY AREA D - DEEP, 8+ FT	27.8517322	-97.05684228
1379	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8517337	-97.06628006
1473	D	STUDY AREA D - DEEP, 8+ FT	27.8517345	-97.05699695
1303	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851736	-97.06643474
1472	D	STUDY AREA D - DEEP, 8+ FT	27.8517368	-97.05715163
1271	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8517383	-97.06658942
1471	D	STUDY AREA D - DEEP, 8+ FT	27.8517391	-97.0573063
1470	D	STUDY AREA D - DEEP, 8+ FT	27.8517413	-97.05746098
1469	D	STUDY AREA D - DEEP, 8+ FT	27.8517436	-97.05761566
1468	D	STUDY AREA D - DEEP, 8+ FT	27.8517459	-97.05777033
1467	D	STUDY AREA D - DEEP, 8+ FT	27.8517482	-97.05792501
1466	D	STUDY AREA D - DEEP, 8+ FT	27.8517505	-97.05807968
1465	D	STUDY AREA D - DEEP, 8+ FT	27.8517528	-97.05823436
1464	D	STUDY AREA D - DEEP, 8+ FT	27.851755	-97.05838903
1910	D	STUDY AREA D - DEEP, 8+ FT	27.8517573	-97.05854371
1909	D	STUDY AREA D - DEEP, 8+ FT	27.8517596	-97.05869839
1908	D	STUDY AREA D - DEEP, 8+ FT	27.8517619	-97.05885306
1907	D	STUDY AREA D - DEEP, 8+ FT	27.8517642	-97.05900774
1906	D	STUDY AREA D - DEEP, 8+ FT	27.8517664	-97.05916241
1905	D	STUDY AREA D - DEEP, 8+ FT	27.8517687	-97.05931709
1904	D	STUDY AREA D - DEEP, 8+ FT	27.851771	-97.05947177
1903	D	STUDY AREA D - DEEP, 8+ FT	27.8517733	-97.05962644

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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1902	D	STUDY AREA D - DEEP, 8+ FT	27.8517756	-97.05978112
1901	D	STUDY AREA D - DEEP, 8+ FT	27.8517779	-97.05993579
1900	D	STUDY AREA D - DEEP, 8+ FT	27.8517801	-97.06009047
1899	D	STUDY AREA D - DEEP, 8+ FT	27.8517824	-97.06024514
1897	D	STUDY AREA D - DEEP, 8+ FT	27.8517847	-97.06039982
1898	D	STUDY AREA D - DEEP, 8+ FT	27.851787	-97.0605545
2586	D	STUDY AREA D - DEEP, 8+ FT	27.8517893	-97.06070917
1184	F,H	STUDY AREA D - SHELL HASH	27.8517915	-97.06086385
1183	F,H	STUDY AREA D - SHELL HASH	27.8517938	-97.06101852
1362	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8517961	-97.0611732
1182	F,H	STUDY AREA D - SHELL HASH	27.8517984	-97.06132787
1357	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518007	-97.06148255
1169	F,H	STUDY AREA D - SHELL HASH	27.8518029	-97.06163723
1356	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518052	-97.0617919
1181	M,H	STUDY AREA D - SHELL HASH	27.8518075	-97.06194658
1180	F,H	STUDY AREA D - SHELL HASH	27.8518098	-97.06210125
1179	F,H	STUDY AREA D - SHELL HASH	27.851812	-97.06225593
1157	F,H	STUDY AREA D - SHELL HASH	27.8518143	-97.06241061
1156	F,H	STUDY AREA D - SHELL HASH	27.8518166	-97.06256528
1155	F,H	STUDY AREA D - SHELL HASH	27.8518189	-97.06271996
1283	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518212	-97.06287463
1451	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518217	-97.05359152
1282	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518234	-97.06302931
1450	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851824	-97.05374619
1281	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518257	-97.06318399
1449	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518262	-97.05390087
1280	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851828	-97.06333866
1448	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518285	-97.05405554
1279	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518303	-97.06349334
1236	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518308	-97.05421022
1278	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518325	-97.06364801
1555	D	STUDY AREA D - DEEP, 8+ FT	27.8518331	-97.0543649
1277	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518348	-97.06380269
1554	D	STUDY AREA D - DEEP, 8+ FT	27.8518354	-97.05451957
1276	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518371	-97.06395737
1553	D	STUDY AREA D - DEEP, 8+ FT	27.8518377	-97.05467425
1275	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518394	-97.06411204
1551	D	STUDY AREA D - DEEP, 8+ FT	27.85184	-97.05482892
1274	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518416	-97.06426672
1550	D	STUDY AREA D - DEEP, 8+ FT	27.8518423	-97.0549836
2585	D	STUDY AREA D - DEEP, 8+ FT	27.8518439	-97.06442139
1549	D	STUDY AREA D - DEEP, 8+ FT	27.8518445	-97.05513827
2530	D	STUDY AREA D - DEEP, 8+ FT	27.8518462	-97.06457607
1548	D	STUDY AREA D - DEEP, 8+ FT	27.8518468	-97.05529295
2529	D	STUDY AREA D - DEEP, 8+ FT	27.8518485	-97.06473075
1547	D	STUDY AREA D - DEEP, 8+ FT	27.8518491	-97.05544762
1803	D	STUDY AREA D - DEEP, 8+ FT	27.8518507	-97.06488542

<b>Bluewater Texas Terminal LLC</b> <b>Bluewater SPM Project</b> <b>Appendix B</b> <b>Study Area D - Transect Sampling Data</b>				
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Transect Point I.D.	Substrate Field Symbol	Study Area and Observed Substrate Type	Latitude	Longitude
1546	D	STUDY AREA D - DEEP, 8+ FT	27.8518514	-97.0556023
1792	D	STUDY AREA D - DEEP, 8+ FT	27.851853	-97.0650401
1545	D	STUDY AREA D - DEEP, 8+ FT	27.8518537	-97.05575698
1791	D	STUDY AREA D - DEEP, 8+ FT	27.8518553	-97.06519477
1544	D	STUDY AREA D - DEEP, 8+ FT	27.851856	-97.05591165
1790	D	STUDY AREA D - DEEP, 8+ FT	27.8518576	-97.06534945
1543	D	STUDY AREA D - DEEP, 8+ FT	27.8518583	-97.05606633
1789	D	STUDY AREA D - DEEP, 8+ FT	27.8518598	-97.06550413
1542	D	STUDY AREA D - DEEP, 8+ FT	27.8518605	-97.056221
1788	D	STUDY AREA D - DEEP, 8+ FT	27.8518621	-97.0656588
1518	D	STUDY AREA D - DEEP, 8+ FT	27.8518628	-97.05637568
1787	D	STUDY AREA D - DEEP, 8+ FT	27.8518644	-97.06581348
1517	D	STUDY AREA D - DEEP, 8+ FT	27.8518651	-97.05653036
1822	D	STUDY AREA D - DEEP, 8+ FT	27.8518667	-97.06596815
1516	D	STUDY AREA D - DEEP, 8+ FT	27.8518674	-97.05668503
2527	D	STUDY AREA D - DEEP, 8+ FT	27.8518689	-97.06612283
1515	D	STUDY AREA D - DEEP, 8+ FT	27.8518697	-97.05683971
2526	D	STUDY AREA D - DEEP, 8+ FT	27.8518712	-97.06627751
1514	D	STUDY AREA D - DEEP, 8+ FT	27.851872	-97.05699438
2525	D	STUDY AREA D - DEEP, 8+ FT	27.8518735	-97.06643218
1513	D	STUDY AREA D - DEEP, 8+ FT	27.8518742	-97.05714906
1364	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8518758	-97.06658686
1512	D	STUDY AREA D - DEEP, 8+ FT	27.8518765	-97.05730373
1139	F,G	STUDY AREA D - SEAGRASS PRESENT	27.851878	-97.06674153
1511	D	STUDY AREA D - DEEP, 8+ FT	27.8518788	-97.05745841
1138	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8518803	-97.06689621
1510	D	STUDY AREA D - DEEP, 8+ FT	27.8518811	-97.05761309
1509	D	STUDY AREA D - DEEP, 8+ FT	27.8518834	-97.05776776
1508	D	STUDY AREA D - DEEP, 8+ FT	27.8518857	-97.05792244
1507	D	STUDY AREA D - DEEP, 8+ FT	27.8518879	-97.05807711
1506	D	STUDY AREA D - DEEP, 8+ FT	27.8518902	-97.05823179
1505	D	STUDY AREA D - DEEP, 8+ FT	27.8518925	-97.05838647
1504	D	STUDY AREA D - DEEP, 8+ FT	27.8518948	-97.05854114
1503	D	STUDY AREA D - DEEP, 8+ FT	27.8518971	-97.05869582
1502	D	STUDY AREA D - DEEP, 8+ FT	27.8518994	-97.05885049
1501	D	STUDY AREA D - DEEP, 8+ FT	27.8519016	-97.05900517
1500	D	STUDY AREA D - DEEP, 8+ FT	27.8519039	-97.05915985
1499	D	STUDY AREA D - DEEP, 8+ FT	27.8519062	-97.05931452
1498	D	STUDY AREA D - DEEP, 8+ FT	27.8519085	-97.0594692
1497	D	STUDY AREA D - DEEP, 8+ FT	27.8519108	-97.05962387
1496	D	STUDY AREA D - DEEP, 8+ FT	27.851913	-97.05977855
1495	D	STUDY AREA D - DEEP, 8+ FT	27.8519153	-97.05993323
1494	D	STUDY AREA D - DEEP, 8+ FT	27.8519176	-97.0600879
1493	D	STUDY AREA D - DEEP, 8+ FT	27.8519199	-97.06024258
1492	D	STUDY AREA D - DEEP, 8+ FT	27.8519222	-97.06039725
1491	D	STUDY AREA D - DEEP, 8+ FT	27.8519245	-97.06055193
2579	D	STUDY AREA D - DEEP, 8+ FT	27.8519267	-97.06070661

**Bluewater Texas Terminal LLC**  
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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1294	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851929	-97.06086128
1378	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519313	-97.06101596
1187	F,H	STUDY AREA D - SHELL HASH	27.8519336	-97.06117063
1371	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519359	-97.06132531
1370	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519381	-97.06147999
1369	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519404	-97.06163466
1368	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519427	-97.06178934
1360	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851945	-97.06194401
1178	S,H	STUDY AREA D - SHELL HASH	27.8519472	-97.06209869
1161	F,H	STUDY AREA D - SHELL HASH	27.8519495	-97.06225337
1160	F,H	STUDY AREA D - SHELL HASH	27.8519518	-97.06240804
1159	F,H	STUDY AREA D - SHELL HASH	27.8519541	-97.06256272
1158	F,H	STUDY AREA D - SHELL HASH	27.8519564	-97.06271739
1447	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519591	-97.05358894
1446	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519614	-97.05374362
1445	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8519637	-97.05389829
1444	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.851966	-97.05405297
1541	D	STUDY AREA D - DEEP, 8+ FT	27.8519683	-97.05420765
1540	D	STUDY AREA D - DEEP, 8+ FT	27.8519706	-97.05436232
1529	D	STUDY AREA D - DEEP, 8+ FT	27.8519729	-97.054517
1528	D	STUDY AREA D - DEEP, 8+ FT	27.8519752	-97.05467167
1527	D	STUDY AREA D - DEEP, 8+ FT	27.8519774	-97.05482635
1526	D	STUDY AREA D - DEEP, 8+ FT	27.8519797	-97.05498103
1525	D	STUDY AREA D - DEEP, 8+ FT	27.851982	-97.0551357
1186	M,H	STUDY AREA D - SHELL HASH	27.8519837	-97.06457351
1524	D	STUDY AREA D - DEEP, 8+ FT	27.8519843	-97.05529038
2583	D	STUDY AREA D - DEEP, 8+ FT	27.8519859	-97.06472819
1523	D	STUDY AREA D - DEEP, 8+ FT	27.8519866	-97.05544505
2582	D	STUDY AREA D - DEEP, 8+ FT	27.8519882	-97.06488286
1522	D	STUDY AREA D - DEEP, 8+ FT	27.8519889	-97.05559973
1811	D	STUDY AREA D - DEEP, 8+ FT	27.8519905	-97.06503754
1521	D	STUDY AREA D - DEEP, 8+ FT	27.8519912	-97.05575441
1810	D	STUDY AREA D - DEEP, 8+ FT	27.8519928	-97.06519221
1520	D	STUDY AREA D - DEEP, 8+ FT	27.8519934	-97.05590908
1809	D	STUDY AREA D - DEEP, 8+ FT	27.851995	-97.06534689
1519	D	STUDY AREA D - DEEP, 8+ FT	27.8519957	-97.05606376
1808	D	STUDY AREA D - DEEP, 8+ FT	27.8519973	-97.06550157
1999	D	STUDY AREA D - DEEP, 8+ FT	27.851998	-97.05621843
1807	D	STUDY AREA D - DEEP, 8+ FT	27.8519996	-97.06565624
1998	D	STUDY AREA D - DEEP, 8+ FT	27.8520003	-97.05637311
1806	D	STUDY AREA D - DEEP, 8+ FT	27.8520019	-97.06581092
1997	D	STUDY AREA D - DEEP, 8+ FT	27.8520026	-97.05652779
1805	D	STUDY AREA D - DEEP, 8+ FT	27.8520041	-97.0659656
1996	D	STUDY AREA D - DEEP, 8+ FT	27.8520049	-97.05668246
1804	D	STUDY AREA D - DEEP, 8+ FT	27.8520064	-97.06612027
1995	D	STUDY AREA D - DEEP, 8+ FT	27.8520072	-97.05683714
1786	D	STUDY AREA D - DEEP, 8+ FT	27.8520087	-97.06627495



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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1994	D	STUDY AREA D - DEEP, 8+ FT	27.8520094	-97.05699181
2584	D	STUDY AREA D - DEEP, 8+ FT	27.852011	-97.06642962
1993	D	STUDY AREA D - DEEP, 8+ FT	27.8520117	-97.05714649
1355	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520132	-97.0665843
1992	D	STUDY AREA D - DEEP, 8+ FT	27.852014	-97.05730117
1349	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520155	-97.06673898
1991	D	STUDY AREA D - DEEP, 8+ FT	27.8520163	-97.05745584
1142	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8520178	-97.06689365
1990	D	STUDY AREA D - DEEP, 8+ FT	27.8520186	-97.05761052
1140	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8520201	-97.06704833
1989	D	STUDY AREA D - DEEP, 8+ FT	27.8520209	-97.05776519
1137	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8520223	-97.06720301
1988	D	STUDY AREA D - DEEP, 8+ FT	27.8520231	-97.05791987
1987	D	STUDY AREA D - DEEP, 8+ FT	27.8520254	-97.05807455
1986	D	STUDY AREA D - DEEP, 8+ FT	27.8520277	-97.05822922
1985	D	STUDY AREA D - DEEP, 8+ FT	27.85203	-97.0583839
1984	D	STUDY AREA D - DEEP, 8+ FT	27.8520323	-97.05853857
1983	D	STUDY AREA D - DEEP, 8+ FT	27.8520346	-97.05869325
1982	D	STUDY AREA D - DEEP, 8+ FT	27.8520368	-97.05884793
1981	D	STUDY AREA D - DEEP, 8+ FT	27.8520391	-97.0590026
1980	D	STUDY AREA D - DEEP, 8+ FT	27.8520414	-97.05915728
1979	D	STUDY AREA D - DEEP, 8+ FT	27.8520437	-97.05931195
1978	D	STUDY AREA D - DEEP, 8+ FT	27.852046	-97.05946663
1977	D	STUDY AREA D - DEEP, 8+ FT	27.8520482	-97.05962131
1976	D	STUDY AREA D - DEEP, 8+ FT	27.8520505	-97.05977598
1960	D	STUDY AREA D - DEEP, 8+ FT	27.8520528	-97.05993066
1959	D	STUDY AREA D - DEEP, 8+ FT	27.8520551	-97.06008534
1552	D	STUDY AREA D - DEEP, 8+ FT	27.8520574	-97.06024001
2472	D	STUDY AREA D - DEEP, 8+ FT	27.8520597	-97.06039469
2528	D	STUDY AREA D - DEEP, 8+ FT	27.8520619	-97.06054937
2523	D	STUDY AREA D - DEEP, 8+ FT	27.8520642	-97.06070404
1365	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520665	-97.06085872
1188	F,H	STUDY AREA D - SHELL HASH	27.8520688	-97.06101339
1163	F,H	STUDY AREA D - SHELL HASH	27.852071	-97.06116807
1189	M,H	STUDY AREA D - SHELL HASH	27.8520733	-97.06132275
1363	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520756	-97.06147742
1361	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520779	-97.0616321
1301	F,W	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520802	-97.06178678
1300	F,W	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520824	-97.06194145
1443	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520966	-97.05358637
1442	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8520989	-97.05374104
1441	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8521012	-97.05389572
1229	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8521035	-97.0540504
1539	D	STUDY AREA D - DEEP, 8+ FT	27.8521058	-97.05420507
1538	D	STUDY AREA D - DEEP, 8+ FT	27.8521081	-97.05435975
1537	D	STUDY AREA D - DEEP, 8+ FT	27.8521103	-97.05451442
1536	D	STUDY AREA D - DEEP, 8+ FT	27.8521126	-97.0546691

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**Appendix B**  
**Study Area D - Transect Sampling Data**

<b>Transect Point I.D.</b>	<b>Substrate Field Symbol</b>	<b>Study Area and Observed Substrate Type</b>	<b>Latitude</b>	<b>Longitude</b>
1535	D	STUDY AREA D - DEEP, 8+ FT	27.8521149	-97.05482378
1534	D	STUDY AREA D - DEEP, 8+ FT	27.8521172	-97.05497845
1533	D	STUDY AREA D - DEEP, 8+ FT	27.8521195	-97.05513313
1532	D	STUDY AREA D - DEEP, 8+ FT	27.8521218	-97.05528781
1185	F,H	STUDY AREA D - SHELL HASH	27.8521234	-97.06472562
1531	D	STUDY AREA D - DEEP, 8+ FT	27.8521241	-97.05544248
2522	D	STUDY AREA D - DEEP, 8+ FT	27.8521257	-97.0648803
1530	D	STUDY AREA D - DEEP, 8+ FT	27.8521264	-97.05559716
2521	D	STUDY AREA D - DEEP, 8+ FT	27.852128	-97.06503498
2021	D	STUDY AREA D - DEEP, 8+ FT	27.8521286	-97.05575183
1814	D	STUDY AREA D - DEEP, 8+ FT	27.8521303	-97.06518966
2020	D	STUDY AREA D - DEEP, 8+ FT	27.8521309	-97.05590651
1813	D	STUDY AREA D - DEEP, 8+ FT	27.8521325	-97.06534433
2019	D	STUDY AREA D - DEEP, 8+ FT	27.8521332	-97.05606119
1818	D	STUDY AREA D - DEEP, 8+ FT	27.8521348	-97.06549901
2018	D	STUDY AREA D - DEEP, 8+ FT	27.8521355	-97.05621586
1817	D	STUDY AREA D - DEEP, 8+ FT	27.8521371	-97.06565368
2017	D	STUDY AREA D - DEEP, 8+ FT	27.8521378	-97.05637054
1816	D	STUDY AREA D - DEEP, 8+ FT	27.8521393	-97.06580836
2016	D	STUDY AREA D - DEEP, 8+ FT	27.8521401	-97.05652521
1815	D	STUDY AREA D - DEEP, 8+ FT	27.8521416	-97.06596304
2015	D	STUDY AREA D - DEEP, 8+ FT	27.8521424	-97.05667989
1812	D	STUDY AREA D - DEEP, 8+ FT	27.8521439	-97.06611771
2014	D	STUDY AREA D - DEEP, 8+ FT	27.8521446	-97.05683457
1785	D	STUDY AREA D - DEEP, 8+ FT	27.8521462	-97.06627239
2013	D	STUDY AREA D - DEEP, 8+ FT	27.8521469	-97.05698924
2581	D	STUDY AREA D - DEEP, 8+ FT	27.8521484	-97.06642707
2012	D	STUDY AREA D - DEEP, 8+ FT	27.8521492	-97.05714392
2580	D	STUDY AREA D - DEEP, 8+ FT	27.8521507	-97.06658174
2011	D	STUDY AREA D - DEEP, 8+ FT	27.8521515	-97.0572986
1359	M	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.852153	-97.06673642
2010	D	STUDY AREA D - DEEP, 8+ FT	27.8521538	-97.05745327
1165	F,H	STUDY AREA D - SHELL HASH	27.8521553	-97.0668911
2009	D	STUDY AREA D - DEEP, 8+ FT	27.8521561	-97.05760795
1295	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8521575	-97.06704577
2008	D	STUDY AREA D - DEEP, 8+ FT	27.8521583	-97.05776263
1141	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8521598	-97.06720045
2007	D	STUDY AREA D - DEEP, 8+ FT	27.8521606	-97.0579173
1136	F,G	STUDY AREA D - SEAGRASS PRESENT	27.8521621	-97.06735512
2006	D	STUDY AREA D - DEEP, 8+ FT	27.8521629	-97.05807198
1296	F	STUDY AREA D - FIRM, MODERATELY FIRM, OR SOFT MUD/SAND	27.8521644	-97.0675098
2005	D	STUDY AREA D - DEEP, 8+ FT	27.8521652	-97.05822665
2004	D	STUDY AREA D - DEEP, 8+ FT	27.8521675	-97.05838133
2003	D	STUDY AREA D - DEEP, 8+ FT	27.8521698	-97.05853601
2002	D	STUDY AREA D - DEEP, 8+ FT	27.852172	-97.05869068
2001	D	STUDY AREA D - DEEP, 8+ FT	27.8521743	-97.05884536
2000	D	STUDY AREA D - DEEP, 8+ FT	27.8521766	-97.05900003