

PROJECT:	2257 - USACE Edisto Sand Search	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Sand Search Area	Northing: 231798.455 Easting: 2208295.422 Grid Datum: NAD '83		ACE-10 <small>(as shown on title drawing and file no.)</small>	
DATE:	2008-Jun-01	TOP ELEVATION:	-11.00 ft. MLLW	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-20.40 ft. MLLW	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	9.4 ft.	WATER DEPTH:	(operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	9.4 ft. (100.0%)			FIELD TEAM:	PM, ST, DG

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 9.4 ft: Crushed Shell - Shell hash w/ CS, clean, tan, hash ~ .2 - .5 mm, some larger fragments 1-2 cm, remarkably uniform top to bottom -- 1.2 ft: Small Scallop - 1 cm	S1	S1: 0.0 ft. to 4.7 ft. Shell: 45.6% Mud: 0.3% Mean Grain Size: 1.037mm 3 cm oyster @ 0.6
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5			S2	S2: 4.7 ft. to 9.4 ft. Shell: 42.4% Mud: 0.6% Mean Grain Size: 1.080mm
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PROJECT:	2257 - USACE Edisto Sand Search	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Sand Search Area	Northing: 232369.655 Easting: 2209095.102 Grid Datum: NAD '83		ACE-11 <small>(as shown on title drawing and file no.)</small>	
DATE:	2008-Jun-01	TOP ELEVATION:	-11.48 ft. MLLW	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-23.68 ft. MLLW	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	12.2 ft.	WATER DEPTH:		GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	12.2 ft. (100.0%)		<i>(operational note only)</i>	FIELD TEAM:	PM, ST, DG

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 7.1 ft: Medium Sand with Crushed Shell - Clean MS w/ major 2-3 mm shell hash, light tan, come CS below 6'	S1	S1: 0.0 ft. to 4.5 ft. Shell: 31.7% Mud: 0.6% Mean Grain Size: 0.622mm
2		-- 2.1 ft: Medium Scallop - 3 cm		
3		-- 2.7 ft: Large Oyster - 6 cm		
4		-- 3.6 ft: Medium Scallop - 3 cm		
5		-- 5.4 ft: Shell Fragment - 2 cm	S2	S2: 4.5 ft. to 7.1 ft. Shell: 30.7% Mud: 0.9% Mean Grain Size: 0.541mm
6		-- 6.1 ft: Medium Oyster - 3 cm -- 6.3 ft: Medium Oyster - 4 cm -- 6.5 ft: Large Oyster - 6 cm		
7		-- 6.7 ft: Mud Clast - 2 cm mud clast		
8		7.1 to 12.2 ft: Medium Sand - MS w/ minor mud, light gray, uniform, moderate shell hash < 2mm, small mud clasts from 8.1-8.4	S3	S3: 7.1 ft. to 9.8 ft. Shell: 14.7% Mud: 1.8% Mean Grain Size: 0.285mm
9		-- 8.1 ft: Mud Clast -- 8.3 ft: Mud Clast		
10			S4	S4: 9.8 ft. to 12.2 ft. Shell: 17.1% Mud: 3.2% Mean Grain Size: 0.279mm
11				
12		-- 12.0 ft: Mud Clast - 5 cm stiff clay clast		

PROJECT: 2257 - USACE Edisto Sand Search		COORDINATES:		HOLE NUMBER:	
LOCALITY: Edisto Sand Search Area		Northing: 232986.551 Easting: 2209917.629 Grid Datum: NAD '83		ACE-12 <small>(as shown on title drawing and file no.)</small>	
DATE: 2008-Jun-01	TOP ELEVATION:	-10.76 ft. MLLW	DEVICE DESIGNATION:		
BORE ANGLE: 90.00°	BOTTOM ELEVATION:	-18.06 ft. MLLW	BARREL SIZE/TYPE:	3 in. Aluminum	
BURDEN THICKNESS: 7.3 ft.	WATER DEPTH:	(operational note only)		GEOLOGIST: TWK - SC #564	FIELD TEAM: PM, ST, DG

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.3 ft: Medium Sand - clean MS w/ moderate shell hash & some larger fragments, light tan -- 0.8 ft: Small Scallop - 1cm -- 1.2 ft: Shell Fragment - 2 cm -- 1.8 ft: Mud Clast	S1	S1: 0.0 ft. to 3.3 ft. Shell: 21.5% Mud: 1.8% Mean Grain Size: 0.326mm
2		-- 2.5 ft: Small Scallop - 1 cm -- 2.8 ft: Medium Oyster - 4 cm -- 3.1 ft: Medium Oyster - 4 cm		
3		3.3 to 7.3 ft: Medium Sand - MS w/ moderate stiff clay clasts 2 mm & mud clasts, medium gray		
4		-- 4.5 ft: Shell Fragment - 1 cm	S2	S2: 3.3 ft. to 5.3 ft. Shell: 6.4% Mud: 4.9% Mean Grain Size: 0.458mm
5		-- 5.1 ft: Medium Oyster - 3 cm -- 5.4 ft: Large Oyster - 6 cm -- 5.5 ft: Medium Scallop - 3 cm, 4 cm	S3	S3: 5.3 ft. to 7.3 ft. Shell: 23.1% Mud: 3.3% Mean Grain Size: 0.524mm
6		-- 5.9 ft: Shell Fragment - 3 cm -- 6.3 ft: Mud Clast - soft clay w/ organic -- 6.5 ft: Medium Clam - 4 cm		
7		-- 7.1 ft: Medium Oyster - 4 cm		
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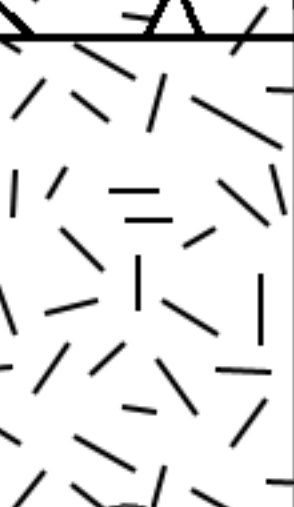
PROJECT:	2257 - USACE Edisto Sand Search	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Sand Search Area	Northing: 230998.776 Easting: 2208912.318 Grid Datum: NAD '83		ACE-18 <small>(as shown on title drawing and file no.)</small>	
DATE:	2007-Nov-09	TOP ELEVATION:	-7.74 ft. MLLW	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-14.54 ft. MLLW	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.8 ft.	WATER DEPTH:	-4.00 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.8 ft. (100.0%)				

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 6.8 ft: Medium Sand with Crushed Shell - clean MS w/ fine shell hash, tannish, lt grey, uniform, trace shell frags	S1	S1: 0.0 ft. to 3.4 ft. Shell: 19.0% Mud: 3.4% Mean Grain Size: 0.380mm
2			S2	S2: 3.4 ft. to 6.8 ft. Shell: 26.8% Mud: 1.5% Mean Grain Size: 0.500mm
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PROJECT:	2257 - USACE Edisto Sand Search	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Sand Search Area	Northing: 232186.871 Easting: 2210511.677 Grid Datum: NAD '83		ACE-20 <small>(as shown on title drawing and file no.)</small>	
DATE:	2007-Nov-13	TOP ELEVATION:	-10.70 ft. MLLW	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-19.20 ft. MLLW	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	8.5 ft.	WATER DEPTH:	-8.00 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	8.5 ft. (100.0%)				

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 5.3 ft: Medium Sand with Crushed Shell - shelly MS grading to shelly CS, fine shell hash gradeing to broken shell, light grey, clean	S1	S1: 0.0 ft. to 2.8 ft. Shell: 27.0% Mud: 2.1% Mean Grain Size: 0.447mm
2				
3		-- 3.1 ft: Small Oyster - 2cm	S2	S2: 2.8 ft. to 5.3 ft. Shell: 29.5% Mud: 1.6% Mean Grain Size: 0.602mm
4		-- 4.0 ft: Shell Cluster - 4cm oyster at 3.9, 6cm oyster at 4.1		
5				
6		5.3 to 8.5 ft: Medium Sand with Crushed Shell - MS w/moderate shell hash, light gray, clean uniform, some small shell frags	S3	S3: 5.3 ft. to 8.5 ft. Shell: 18.3% Mud: 1.6% Mean Grain Size: 0.353mm
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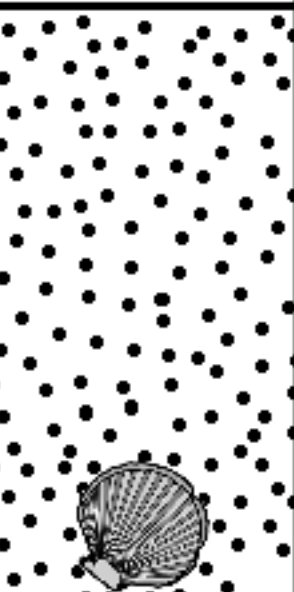


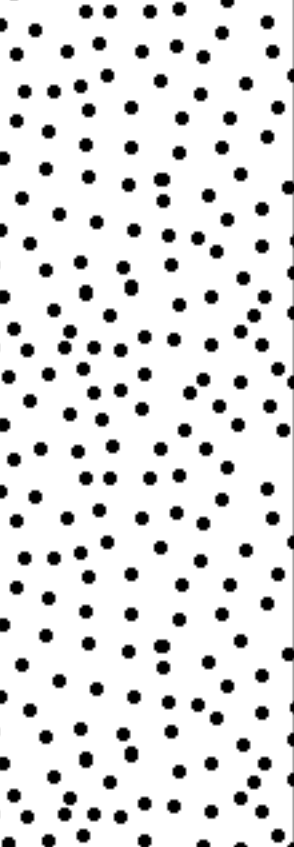



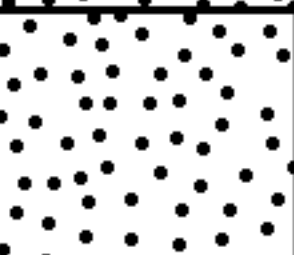
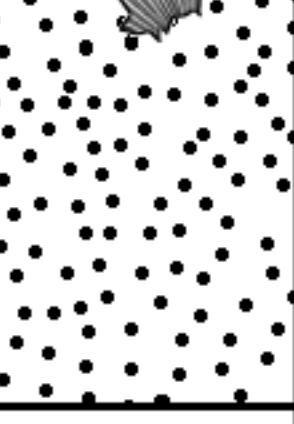
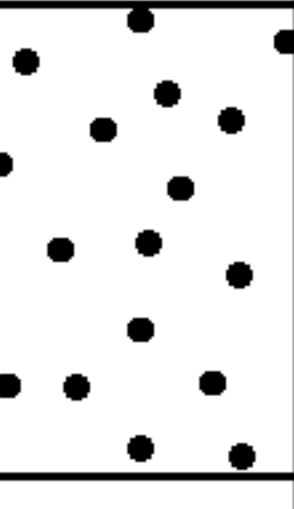

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 231731.460 Easting: 2208911.510 Grid Datum: NAD '83		EB-1 <small>(as shown on title drawing and file no.)</small>	
DATE:	2014-Aug-21	TOP ELEVATION:	-10.01 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-13.81 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	3.8 ft.	WATER DEPTH:	-12.10 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	3.8 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.0 ft: Coarse Sand with Crushed Shell - Clean, tan w/ scattered large shell fragments mostly Donax and small scallops -- 1.3 ft: Medium Oyster - Fragments	S1	S1: 0.0 ft. to 2.0 ft. Shell: 57.7% Mud: 0.0% Mean Grain Size: 1.510mm
2		2.0 to 3.8 ft: Coarse Sand - Mixed w/ granules and shells, clean and tan -- 3.0 ft: Shell Fragment - Large	S2	S2: 2.0 ft. to 3.8 ft. Shell: 49.8% Mud: 0.0% Mean Grain Size: 1.410mm
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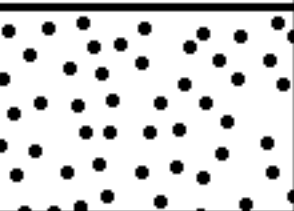


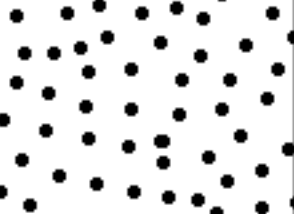
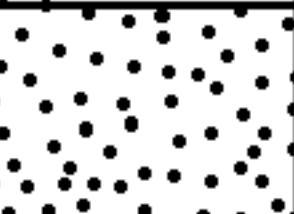

PROJECT: 2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY: Edisto Beach, SC	Northing: 230878.830 Easting: 2209551.700 Grid Datum: NAD '83		EB-2 <small>(as shown on title drawing and file no.)</small>	
DATE: 2014-Aug-21	TOP ELEVATION:	-9.02 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE: 90.00°	BOTTOM ELEVATION:	-15.52 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS: 6.5 ft.	WATER DEPTH:	-10.80 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY: 6.5 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.2 ft: Fine Sand - Shelly, greyish light tan w/ less than 5% shell hash	S1	S1: 0.0 ft. to 2.2 ft. Shell: 12.4% Mud: 0.0% Mean Grain Size: 0.239mm
2		-- 1.6 ft: Small Scallop - 3 cm		
3		2.2 to 4.0 ft: Fine Sand - Shelly, clean, light tan w/ less than 5% shell	S2	S2: 2.2 ft. to 4.0 ft. Shell: 10.2% Mud: 0.0% Mean Grain Size: 0.251mm
4		4.0 to 4.7 ft: Fine Sand - Shelly, clean, light tan w/ higher shell fraction	S3	S3: 4.0 ft. to 4.7 ft. Shell: 12.7% Mud: 0.0% Mean Grain Size: 0.273mm
5		4.7 to 6.5 ft: Fine Sand - Clean, tannish light grey w/ trace shell fragments	S4	S4: 4.7 ft. to 6.5 ft. Shell: 5.9% Mud: 0.0% Mean Grain Size: 0.229mm
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PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232349.700 Easting: 2209722.740 Grid Datum: NAD '83		EB-3 <small>(as shown on title drawing and file no.)</small>	
DATE:	2014-Aug-21	TOP ELEVATION:	-10.96 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-19.76 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
CORE RECOVERY:	8.8 ft. (100.0%)	WATER DEPTH:	-13.20 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
				FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.8 ft: Fine Sand - Shelly, clean, tan w/ scattered large shell clasts -- 1.0 ft: Small Scallop - 2 cm	S1	S1: 0.0 ft. to 2.8 ft. Shell: 25.3% Mud: 0.0% Mean Grain Size: 0.475mm
2		-- 2.0 ft: Medium Oyster - 5 cm		
3		-- 2.7 ft: Shell Fragment - Sand dollar		
4		2.8 to 5.6 ft: Fine Sand - Mixed w/ shells, graded, becoming more coarse to bottom 5.6 ft	S2	S2: 2.8 ft. to 4.5 ft. Shell: 39.7% Mud: 0.0% Mean Grain Size: 0.814mm
5		-- 4.8 ft: Small Oyster - Fragments		
6		-- 5.4 ft: Mud Clast - 4 cm	S3	S3: 4.5 ft. to 5.6 ft. Shell: 41.5% Mud: 0.0% Mean Grain Size: 1.115mm
7		5.6 to 6.3 ft: Fine Sand - Graded to coarse sand, clean, light grey w/ minor shell fragments		
8		6.3 to 7.7 ft: Fine Sand - Medium grey w/ scattered shell fragments and mottling -- 6.9 ft: Shell Fragment - Oysters	S4	S4: 5.6 ft. to 7.7 ft. Shell: 19.2% Mud: 0.0% Mean Grain Size: 0.432mm
9		7.7 to 7.9 ft: Clay - Stiff, dark grey		
10		7.9 to 8.8 ft: Medium Sand - Medium grey w/ trace silt and minor crushed shell	S5	S5: 7.7 ft. to 8.8 ft. Shell: 19.1% Mud: 0.1% Mean Grain Size: 0.364mm
				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 231542.210 Easting: 2210354.930 Grid Datum: NAD '83		EB-4 <small>(as shown on title drawing and file no.)</small>	
DATE:	2014-Aug-21	TOP ELEVATION:	-9.62 ft. NAVD '88		DEVICE DESIGNATION:
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-17.72 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	8.1 ft.	WATER DEPTH:	-11.50 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	8.1 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 0.4 ft: Fine Sand - Clean, greyish tan	S1	S1: 0.0 ft. to 2.2 ft. Shell: 33.5% Mud: 0.0% Mean Grain Size: 0.584mm
		0.4 to 2.2 ft: Fine Sand - Shelly, clean, tannish grey w/ mostly Donax, small scallops less than 1 cm		
2		-- 2.0 ft: Medium Scallop - 4 cm	S2	S2: 2.2 ft. to 5.0 ft. Shell: 5.4% Mud: 0.0% Mean Grain Size: 0.161mm
3		-- 3.1 ft: Small Scallop - 1 cm		
4		2.2 to 5.0 ft: Fine Sand - Clean, uniform, tannish light grey w/ scattered shells	S3	S3: 5.0 ft. to 7.1 ft. Shell: 4.5% Mud: 0.1% Mean Grain Size: 0.177mm
5		-- 4.6 ft: Small Clam - 3 cm		
6		5.0 to 7.1 ft: Fine Sand - Clean, tannish medium grey w/ some mottling	S4	S4: 7.1 ft. to 8.1 ft. Shell: 27.2% Mud: 0.0% Mean Grain Size: 0.410mm
7		-- 6.9 ft: Mud Clast - w/ fine sand		
8		7.1 to 8.1 ft: Medium Sand - Shelly, clean, tannish grey		
9				
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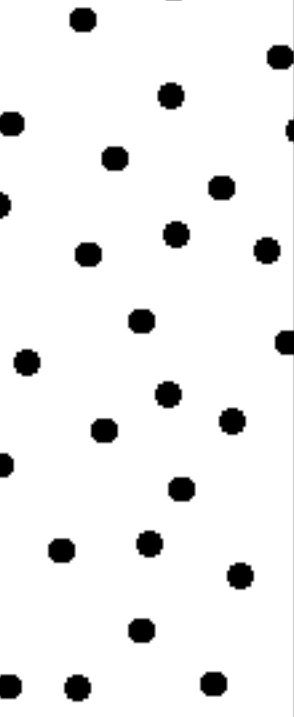
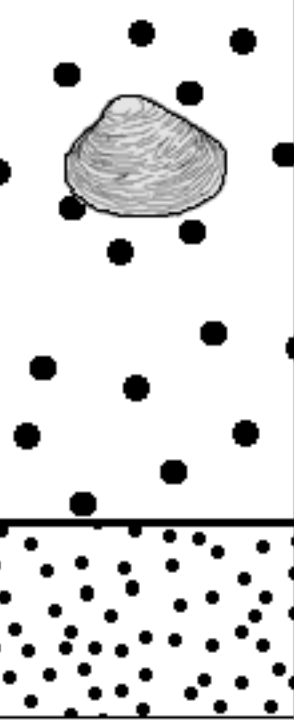
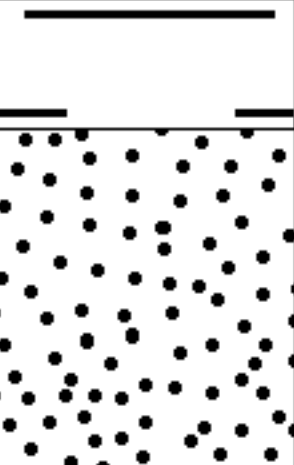

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 231600.130 Easting: 2209614.800 Grid Datum: NAD '83		<div style="border: 2px solid black; padding: 5px; text-align: center;"> EB-19 </div> (as shown on title drawing and file no.)	
DATE:	2014-Aug-21	TOP ELEVATION:	-10.66 ft. NAVD '88		
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-18.46 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	7.8 ft.	WATER DEPTH:	-11.70 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	7.8 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.0 ft: Medium Sand - Shelly, clean, light tan mostly shell hash mixed. Highest shell fraction in upper 3 ft	S1	S1: 0.0 ft. to 3.0 ft. Shell: 28.3% Mud: 0.0% Mean Grain Size: 0.600mm
2		-- 2.4 ft: Small Oyster - w/ surrounding minor shell concentration		
3		3.0 to 6.0 ft: Medium Sand - Shelly, clean, light tan, uniform to bottom	S2	S2: 3.0 ft. to 6.0 ft. Shell: 23.9% Mud: 0.0% Mean Grain Size: 0.468mm
4		6.0 to 7.8 ft: Medium Sand - Shelly, clean, light tan	S3	S3: 6.0 ft. to 7.8 ft. Shell: 24.8% Mud: 0.0% Mean Grain Size: 0.528mm
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PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 230793.820 Easting: 2210280.990 Grid Datum: NAD '83		EB-27 <small>(as shown on title drawing and file no.)</small>	
DATE:	2014-Aug-21	TOP ELEVATION:	-9.27 ft.	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°		NAVD '88		
BURDEN THICKNESS:	5.8 ft.	BOTTOM ELEVATION:	-15.07 ft.	BARREL SIZE/TYPE:	3 in. Aluminum
			NAVD '88		
CORE RECOVERY:	5.8 ft. (100.0%)	WATER DEPTH:	-10.00 ft.	GEOLOGIST:	TWK - SC #564
			<i>(operational note only)</i>	FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.0 ft: Fine Sand - Mixed w/ shells, graded, clean, tan to bottom. Numerous large shells in a matrix of Donax and small scallops	S1	S1: 0.0 ft. to 3.0 ft. Shell: 43.5% Mud: 0.0% Mean Grain Size: 1.113mm
2		-- 1.5 ft: Shell Fragment - Oyster		
3		-- 2.8 ft: Shell Fragment - Oyster & sand dollar		
4		3.0 to 5.8 ft: Medium Sand - Mixed w/ shells, clean, tan becoming coarser to bottom	S2	S2: 3.0 ft. to 5.8 ft. Shell: 39.2% Mud: 0.0% Mean Grain Size: 0.619mm
5		-- 3.5 ft: Shell Fragment - Sand Dollar		
6		-- 4.3 ft: Large Oyster - Clast		
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PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232220.600 Easting: 2207352.300 Grid Datum: NAD '83		EB-101 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-12.40 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-18.80 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.4 ft.	WATER DEPTH:	<i>(operational note only)</i>	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.4 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.7 ft: Coarse Sand - Sand w/ Shell Hash and fragments <1cm typical. A few larger clasts -- 0.7 ft: Small Scallop -- 1.0 ft: Large Oyster	S1	S1: 0.0 ft. to 2.7 ft. Shell: 53.6% Mud: 0.0% Mean Grain Size: 0.919mm
2		-- 2.2 ft: Small Oyster		
3		2.7 to 5.1 ft: Medium Sand - Tan MS w/ less shell hash becoming finer towards bottom	S2	S2: 2.7 ft. to 5.1 ft. Shell: 20.7% Mud: 0.1% Mean Grain Size: 0.285mm
4		-- 4.4 ft: Medium Clam		
5		5.1 to 6.4 ft: Fine Sand - Tanish grey FS w/ some silt and minor fine shell hash <1mm	S3	S3: 5.1 ft. to 6.4 ft. Shell: 13.1% Mud: 0.4% Mean Grain Size: 0.231mm
6		-- 5.6 ft: Clay lens		
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PROJECT: 2416 - Edisto Nourishment		COORDINATES:		HOLE NUMBER:	
LOCALITY: Edisto Beach, SC		Northing: 231709.500 Easting: 2207747.700 Grid Datum: NAD '83		<div style="border: 2px solid black; padding: 5px; text-align: center; font-size: 24pt; font-weight: bold;">EB-102</div> (as shown on title drawing and file no.)	
DATE: 2015-Sep-15	TOP ELEVATION:	-13.50 ft. NAVD '88	DEVICE DESIGNATION:		
BORE ANGLE: 90.00°	BOTTOM ELEVATION:	-20.00 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum	
BURDEN THICKNESS: 6.5 ft.	WATER DEPTH:	(operational note only)		GEOLOGIST:	TWK - SC #564
CORE RECOVERY: 6.5 ft. (100.0%)			FIELD TEAM:	ST, DG, LF	

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.0 ft: Coarse Sand - Clean tan shell hash w/ MS and FS -- 0.5 ft: Large Oyster	S1	S1: 0.0 ft. to 3.0 ft. Shell: 52.7% Mud: 0.0% Mean Grain Size: 0.953mm
2		-- 1.2 ft: Medium Clam		
3		3.0 to 6.5 ft: Coarse Sand - Clean tan MS with shell hash less than top layer	S2	S2: 3.0 ft. to 6.5 ft. Shell: 56.3% Mud: 0.0% Mean Grain Size: 0.692mm
4				
5		-- 4.7 ft: Small Oyster		
6				
7				
8				
9				
10				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 231173.600 Easting: 2208047.300 Grid Datum: NAD '83		<div style="border: 2px solid black; padding: 5px; text-align: center; font-size: 24pt; font-weight: bold;"> EB-104 </div> (as shown on title drawing and file no.)	
DATE:	2015-Sep-15	TOP ELEVATION:	-10.10 ft. NAVD '88		
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-17.00 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.9 ft.	WATER DEPTH:	-10.10 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.9 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.4 ft: Coarse Sand - Shell hash with MS. Typical size 2-5 mm	S1	S1: 0.0 ft. to 2.4 ft. Shell: 37.9% Mud: 0.0% Mean Grain Size: 0.854mm
2		2.4 to 5.9 ft: Coarse Sand - Clean hash with FS		
3		-- 3.5 ft: Medium Scallop		
4		-- 4.1 ft: Medium Oyster -- 4.3 ft: Medium Oyster	S2	S2: 2.4 ft. to 5.9 ft. Shell: 36.2% Mud: 0.1% Mean Grain Size: 0.639mm
5		-- 4.9 ft: Medium Scallop		
6		-- 5.7 ft: Large Oyster - Oyster Layer	S3	S3: 5.9 ft. to 6.9 ft. Shell: 15.3% Mud: 0.0% Mean Grain Size: 0.354mm
7		5.9 to 6.9 ft: Medium Sand -- 6.8 ft: Mud Clast		
8				
9				
10				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 230535.700 Easting: 2205643.200 Grid Datum: NAD '83		EB-105 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-7.90 ft.	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°		NAVD '88		
BURDEN THICKNESS:	7.9 ft.	BOTTOM ELEVATION:	-15.80 ft.	BARREL SIZE/TYPE:	3 in. Aluminum
CORE RECOVERY:	7.9 ft. (100.0%)	WATER DEPTH:	-7.90 ft.	GEOLOGIST:	TWK - SC #564
			<i>(operational note only)</i>	FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 4.0 ft: Coarse Sand - Shell hash w/ CS. Shells 2-5 mm typical and consistent through core	S1	S1: 0.0 ft. to 4.0 ft. Shell: 42.2% Mud: 0.0% Mean Grain Size: 1.226mm
2				
3				
4				
5		4.0 to 7.9 ft: Coarse Sand - Shell hash w/ CS. Similar to S1.	S2	S2: 4.0 ft. to 7.9 ft. Shell: 37.4% Mud: 0.0% Mean Grain Size: 1.244mm
6				
7				
8				
9				
10				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 231894.400 Easting: 2210046.200 Grid Datum: NAD '83		EB-106 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-12.00 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-20.60 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	8.6 ft.	WATER DEPTH:	-12.00 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	8.6 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.5 ft: Fine Sand - Clean FS w/ mior fine shell	S1	S1: 0.0 ft. to 3.5 ft. Shell: 11.5% Mud: 0.0% Mean Grain Size: 0.225mm
2		-- 2.0 ft: Medium Oyster		
3		-- 2.4 ft: Medium Clam		
4		3.5 to 7.2 ft: Fine Sand - Clean FS w/ trace shell	S2	S2: 3.5 ft. to 7.2 ft. Shell: 7.3% Mud: 0.4% Mean Grain Size: 0.165mm
5				
6		-- 5.7 ft: Mud Flaser - .5 cm think mud lens		
7		7.2 to 8.6 ft: Fine Sand - Tannish grey FS w/ moderate shell	S3	S3: 7.2 ft. to 8.6 ft. Shell: 13.5% Mud: 0.3% Mean Grain Size: 0.217mm
8				
9				
10				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232160.700 Easting: 2208728.900 Grid Datum: NAD '83		EB-107 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-11.60 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-18.40 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.8 ft.	WATER DEPTH:	-11.60 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.8 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 4.4 ft: Coarse Sand - Clean tan MS/CS with shell hash grading to CS w/ increased shell hash	S1	S1: 0.0 ft. to 4.4 ft. Shell: 27.3% Mud: 0.0% Mean Grain Size: 0.759mm
2		-- 2.4 ft: Medium Oyster		
3		-- 3.2 ft: Medium Oyster		
4		-- 4.3 ft: Medium Oyster		
5	4.4 to 6.8 ft: Coarse Sand - shell hash w/ CS. Shell 2-5mm typical	S2		
6				
7				
8				
9				
10				










PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232953.300 Easting: 2208311.600 Grid Datum: NAD '83		EB-108 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-11.20 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-19.40 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	8.2 ft.	WATER DEPTH:	-11.20 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	8.2 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.0 ft: Medium Sand - Clean tan MS w/ minor shell hash	S1	S1: 0.0 ft. to 3.0 ft. Shell: 14.4% Mud: 0.0% Mean Grain Size: 0.258mm
2		shell hash		
3		-- 2.7 ft: Small Oyster		
4		3.0 to 6.5 ft: Fine Sand - Celan tan FS w/ very minor shell hash	S2	S2: 3.0 ft. to 6.5 ft. Shell: 5.7% Mud: 0.2% Mean Grain Size: 0.177mm
5		-- 4.8 ft: Mud Flaser		
		-- 5.4 ft: Mud Flaser		
		-- 5.6 ft: Mud Flaser		
7		6.5 to 8.2 ft: Fine Sand - Gray FS with very minor shell hash	S3	S3: 6.5 ft. to 8.2 ft. Shell: 5.6% Mud: 0.2% Mean Grain Size: 0.168mm
8				
9				
10				

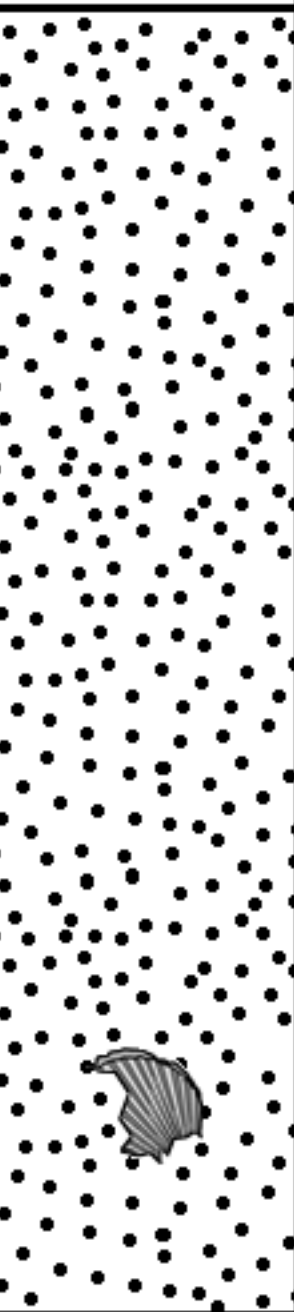


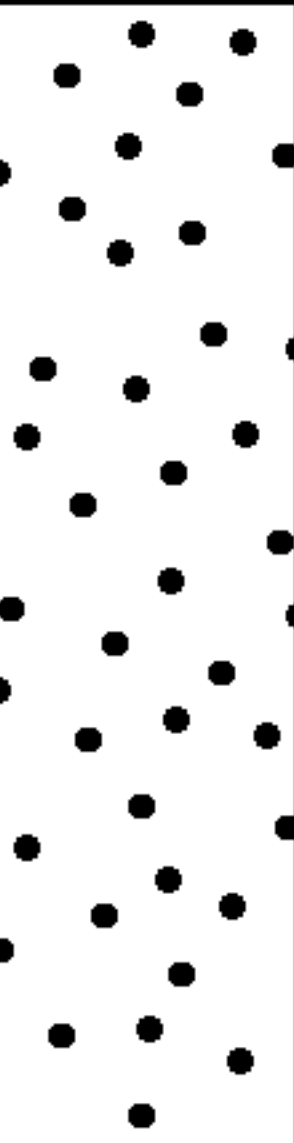
PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232073.400 Easting: 2209322.400 Grid Datum: NAD '83		EB-110 <small>(as shown on title drawing and file no.)</small>	
DATE:	2015-Sep-15	TOP ELEVATION:	-9.60 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-17.30 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	7.7 ft.	WATER DEPTH:	<i>(operational note only)</i>	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	7.7 ft. (100.0%)			FIELD TEAM:	ST, DG, LF

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.6 ft: Medium Sand - Clean tan MS w/ moderate shell hash 2-5 mm	S1	S1: 0.0 ft. to 3.6 ft. Shell: 27.1% Mud: 0.0% Mean Grain Size: 0.447mm
2				
3				
4		3.6 to 7.5 ft: Fine Sand	S2	S2: 3.6 ft. to 7.7 ft. Shell: 25.7% Mud: 0.0% Mean Grain Size: 0.527mm
5				
6				
7				
8		7.5 to 7.7 ft: Coarse Sand with Crushed Shell - Clean tan FS w/ fine shell hash <2mm. Grading more coarse in last 1 ft. Grey CS at bottom 0.2ft		
9				
10				

PROJECT: 2416 - Edisto Nourishment		COORDINATES:		HOLE NUMBER:	
LOCALITY: Edisto Beach, SC		Northing: 232683.100 Easting: 2210139.600 Grid Datum: NAD '83		EB-111 <small>(as shown on title drawing and file no.)</small>	
DATE: 2015-Sep-15	TOP ELEVATION:	-13.00 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering	
BORE ANGLE: 90.00°	BOTTOM ELEVATION:	-19.10 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum	
BURDEN THICKNESS: 6.1 ft.	WATER DEPTH:	-13.00 ft. (operational note only)	GEOLOGIST:	TWK - SC #564	
CORE RECOVERY: 6.1 ft. (100.0%)			FIELD TEAM:	ST, DG, LF	

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.8 ft: Coarse Sand - Tannish grey MS with pockets of shell hash	S1	S1: 0.0 ft. to 2.8 ft. Shell: 25.2% Mud: 0.2% Mean Grain Size: 0.617mm
2		-- 1.5 ft: Small Scallop		
3		-- 2.7 ft: Large Oyster		
4		2.8 to 6.1 ft: Coarse Sand - Tannish gray MS with pockets of coarser sand and shell hash towards bottom.	S2	S2: 2.8 ft. to 6.1 ft. Shell: 16.9% Mud: 0.1% Mean Grain Size: 0.567mm
5		-- 4.3 ft: Medium Clam		
6		-- 4.7 ft: Small Scallop		
7		-- 5.0 ft: Coarse Sand lens		
8		-- 5.3 ft: Mud Clast		
9		-- 6.0 ft: Small Scallop		
10				

PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232520.470 Easting: 2208150.910 Grid Datum: NAD '83		T-1 <small>(as shown on title drawing and file no.)</small>	
DATE:	2014-Aug-21	TOP ELEVATION:	-8.41 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-14.71 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.3 ft.	WATER DEPTH:	-11.10 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.3 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.5 ft: Fine Sand - Mixed w/ shell, clean, tan, mostly less than 1 cm Donax and scallops. Scattered large shell fragments	S1	S1: 0.0 ft. to 2.5 ft. Shell: 50.8% Mud: 0.0% Mean Grain Size: 1.006mm
2		-- 2.1 ft: Shell Fragment - Oyster (3cm)		
3		2.5 to 4.1 ft: Fine Sand - Mixed w/ shell -- 2.9 ft: Small Scallop - 2 cm -- 3.4 ft: Shell Fragment - Oyster	S2	S2: 2.5 ft. to 4.1 ft. Shell: 40.7% Mud: 0.0% Mean Grain Size: 0.831mm
4		4.1 to 6.3 ft: Medium Sand - Clean, tannish grey w/ approximatly 5% crushed shell	S3	S3: 4.1 ft. to 6.3 ft. Shell: 27.4% Mud: 0.0% Mean Grain Size: 0.331mm
5				
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PROJECT:	2416 - Edisto Nourishment	COORDINATES:		HOLE NUMBER:	
LOCALITY:	Edisto Beach, SC	Northing: 232929.250 Easting: 2208946.210 Grid Datum: NAD '83		<div style="border: 2px solid black; padding: 5px; font-size: 2em; font-weight: bold;">T-2</div> (as shown on title drawing and file no.)	
DATE:	2014-Aug-21	TOP ELEVATION:	-12.68 ft. NAVD '88	DEVICE DESIGNATION:	Coastal Science & Engineering
BORE ANGLE:	90.00°	BOTTOM ELEVATION:	-19.38 ft. NAVD '88	BARREL SIZE/TYPE:	3 in. Aluminum
BURDEN THICKNESS:	6.7 ft.	WATER DEPTH:	-10.50 ft. (operational note only)	GEOLOGIST:	TWK - SC #564
CORE RECOVERY:	6.7 ft. (100.0%)			FIELD TEAM:	DG, LF, ST

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 3.0 ft: Fine Sand - Clean, uniform size to bottom, medium grey to 1.6ft becoming tannish grey to 4ft. Medium grey from 4ft to bottom	S1	S1: 0.0 ft. to 3.0 ft. Shell: 4.5% Mud: 0.3% Mean Grain Size: 0.160mm
2				
3		3.0 to 6.7 ft: Fine Sand - w/ mud clast around 3.8ft and minor mottling around 5.2ft	S2	S2: 3.0 ft. to 6.7 ft. Shell: 5.6% Mud: 0.4% Mean Grain Size: 0.161mm
4				
5				
6				
7				
8				
9				
10				