

# Boring Designation CB-DUC03-42R

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 3 SHEETS	
1. PROJECT Duval County, FL, BEC Offshore Borrow Area				9. SIZE AND TYPE OF BIT 3" Vibracore				
2. BORING DESIGNATION CB-DUC03-42R				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL MLLW
3. DRILLING AGENCY Athena Technologies				11. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies Vibracore System		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER		
4. NAME OF DRILLER G. Bonn				12. TOTAL SAMPLES 8		DISTURBED 0		UNDISTURBED (UD) 0
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 4		14. ELEVATION GROUND WATER N/A		
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 08-07-03		STARTED 08-24-03		COMPLETED
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -51.3 Ft.		17. TOTAL RECOVERY FOR BORING 98 %		
8. TOTAL DEPTH OF BORING 26.2 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR Julie Minton, Geologist				

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-51.3	0.0						-51.3		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell, trace silt, strong reaction with HCl, moist, 5Y 7/1 light gray (SP)	100			-51.8 Vibracore		
				100	1		-52.3 Vibracore		
				100			Vibracore		
				100	2		-55.3		
				100			-55.8 Vibracore		
				100			Vibracore		
				100	3		-56.8		
				100			-57.3 Vibracore		
				100			Vibracore		
			At El. -58.0 Ft., few medium to coarse-grained sand-sized shell, 5Y 6/1 gray	100	1AJ		-58.5		
				100			-59.0 Vibracore		
			At El. -59.5 Ft., little sand to gravel-sized shell up to 1/2"	100			Vibracore		
			At El. -60.5 Ft., mostly fine-grained sand-sized quartz, trace shell	100	2AJ		-61.0		
				100			-61.5 Vibracore		
			At El. -62.4 Ft., mostly fine to medium-grained sand-sized quartz	100			Vibracore		
				100	3AJ		-63.5		
				100			-64.0 Vibracore		
			At El. -64.5 Ft., 5Y 7/1 light gray	100			Vibracore		
				100	1BJ		-65.0		
				100			-65.5 Vibracore		
				100			Vibracore		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 3 SHEETS			
PROJECT Duval County, FL, BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLW			
LOCATION COORDINATES X = 583,924 Y = 2,178,651			ELEVATION TOP OF BORING -51.3 Ft.						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-67.4	16.1		At El. -66.7 Ft., few medium to coarse-grained sand-sized shell	100			Vibracore		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 5Y 6/1 gray (SP-SM)	100	2BJ		-68.0 -68.5		
-69.3	18.0								
-70.3	19.0		SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)						
			SAND, clayey, mostly fine-grained sand-sized quartz, little clay, trace shell, strong reaction with HCl, moist, 5GY 5/1 greenish gray (SC)	96			Vibracore		
			At El. -74.5 Ft., some clay						
-77.1	25.8								
-77.5	26.2						-77.5		
			NOTES:  1. Soils are field visually classified in accordance with the Unified Soils Classification System.  2. Boring was completed through multiple attempts of the vibracore to reach the target depth. These multiple attempts were combined to produce the final boring log. Physical samples of each separate attempt were prepared under the original boring designations of CB-DUC03-42, CB-DUC03-42AJ and CB-DUC03-42BJ.  3. X,Y data from initial drilling attempt (42) is used for 42R.  4. Lab samples have a letter following the sample number which refers to the initial assigned hole number. Example: sample number 1AJ reflects sample 1 from hole AJ.  5. Laboratory Testing Results						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 3 OF 3 SHEETS					
PROJECT Duval County, FL, BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLW					
LOCATION COORDINATES X = 583,924 Y = 2,178,651			ELEVATION TOP OF BORING -51.3 Ft.								
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS			% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
			<div><div>SAMPLE ID</div><div>SAMPLE DEPTH</div><div>LABORATORY CLASSIFICATION</div></div> <div><div>1</div><div>0.5/1.0</div><div>SP*</div></div> <div><div>2</div><div>4.0/4.5</div><div>SP*</div></div> <div><div>3</div><div>5.5/6.0</div><div>SP*</div></div> <div><div>1AJ</div><div>7.2/7.7</div><div>SP*</div></div> <div><div>2AJ</div><div>9.7/10.2</div><div>SP*</div></div> <div><div>3AJ</div><div>12.2/12.7</div><div>SP*</div></div> <div><div>2BJ</div><div>16.7/17.2</div><div>SP*</div></div> <div><div>*Lab visual classification based on gradation curve. No Atterberg limits.</div></div> <div><div>6. Additional Laboratory Testing</div><div><div>1</div><div>Specific Gravity</div></div></div>								





