

## Boring Designation CB-DUC03-34A

<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Jacksonville District	<b>SHEET 1</b> OF 2 SHEETS
<b>1. PROJECT</b> Duval County, FL; BEC, Offshore Borrow Area		<b>9. SIZE AND TYPE OF BIT</b> 3" Vibracore		
<b>2. BORING DESIGNATION</b> CB-DUC03-34A		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)		
<b>LOCATION COORDINATES</b> X = 2,184,870 Y = 574,168		<b>HORIZONTAL</b> NAD83 <b>VERTICAL</b> MLLW		
<b>3. DRILLING AGENCY</b> Athena Technologies		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER Athena Technologies Vibracore System <input type="checkbox"/> MANUAL HAMMER		
<b>4. NAME OF DRILLER</b> G. Bonn		<b>12. TOTAL SAMPLES</b> <b>DISTURBED</b> 3 <b>UNDISTURBED (UD)</b> 0		
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		<b>13. TOTAL NUMBER CORE BOXES</b> 0		
<b>DEG. FROM VERTICAL</b>		<b>14. ELEVATION GROUND WATER</b> N/A		
<b>BEARING</b>		<b>15. DATE BORING</b> <b>STARTED</b> 08-11-03 <b>COMPLETED</b> 08-11-03		
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.		<b>16. ELEVATION TOP OF BORING</b> -50.9 Ft.		
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.		<b>17. TOTAL RECOVERY FOR BORING</b> 94 %		
<b>8. TOTAL DEPTH OF BORING</b> 18.0 Ft.		<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> Julie Minton, Geologist		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-50.9	0.0						-50.9		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell, strong reaction with HCl, moist, gray 5Y 6/1 (SP)	100			Vibracore		
				100	S-1		-51.9		
							-52.4		
				100			Vibracore		
							-55.9		
				100	S-2		-56.4		
			At El. -56.9 Ft., few medium to coarse-grained sand-sized shell At El. -57.2 Ft., little medium to coarse-grained sand-sized shell	100			Vibracore		
-58.1	7.2		SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, gray 5Y 5/1 (SM)	100	S-3		-58.4		
							-58.9		
-60.9	10.0		SAND, clayey, mostly fine-grained sand-sized quartz, little clay, trace shell, no reaction with HCl, moist, dark greenish gray 10GY 4/1 (SC)	89			Vibracore		
-64.1	13.2		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, no reaction with HCl, moist, greenish gray 10Y 6/1 (SP)						

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DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS			
PROJECT Duval County, FL; BEC, Offshore Borrow Area			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLLW			
LOCATION COORDINATES X = 2,184,870 Y = 574,168			ELEVATION TOP OF BORING -50.9 Ft.						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-68.9	18.0			89			Vibracore		
			NOTES:  1. Soils are field visually classified in accordance with the Unified Soils Classification System.  2. Water Depth 54.0 feet						