

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS		
1. PROJECT Flagler HSDR Offshore Sand Sources 3A				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION VB-FC18-47		LOCATION COORDINATES X = 674,019 Y = 1,902,270		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL NAVD88	
3. DRILLING AGENCY Corps of Engineers - CESAJ		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER Talon Smith				12. TOTAL SAMPLES		DISTURBED 4		UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				DEG. FROM VERTICAL		BEARING			
6. THICKNESS OF OVERBURDEN N/A				13. TOTAL NUMBER CORE BOXES 2		14. ELEVATION GROUND WATER			
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING		STARTED 01-08-19		COMPLETED 01-08-19	
8. TOTAL DEPTH OF BORING 19.50 Ft.				16. ELEVATION TOP OF BORING -58.00 Ft.		17. TOTAL RECOVERY FOR BORING 98 %			
				18. SIGNATURE AND TITLE OF INSPECTOR Scott Davidson, Geologist					
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-58.00	0.00		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, some fine to coarse-grained sand-sized shell, 5Y 6/1 gray (SP)	100			-58.0		
					1		-59.0		
				100			Vibracore		
-61.61	3.61						-61.6		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fine to coarse-grained sand-sized shell, trace silt, shelly seam at 6' depth, 10Y 5/1 greenish gray (SP)	100			Vibracore		
-63.61	5.61				2		-63.6		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, little sand to gravel-sized shell, trace silt, 10Y 5/1 greenish gray (SP)	100			Vibracore		
-65.11	7.11				3		-66.6		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fine to medium-grained sand-sized shell, trace silt, shell size up to 1", 10GY 6/1 greenish gray (SP)	100			Vibracore		
-67.61	9.61				4				
-67.91	9.91								
-68.11	10.11		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace shell, 10Y 6/1 greenish gray (SP-SM)						
			SAND, clayey, mostly fine-grained sand-sized quartz, little fine to coarse-grained sand-sized shell, little clay, 10Y 6/1 greenish gray (SC)						
			SAND, silty, some fine-grained sand-sized quartz, some fine to coarse-grained sand-sized shell, little silt, with interbedded clay layer, 10GY 5/1 greenish gray (SM)						
-71.41	13.41		From El. -69.4 to -71.4 Ft., some fine-grained sand-sized quartz, some fine to coarse-grained sand-sized shell, little silt, 10Y 5/1 greenish gray	100			Vibracore		
-72.61	14.61		SAND, silty, mostly fine to coarse-grained sand-sized shell, some fine-grained sand-sized quartz, little silt, 10Y 5/1 greenish gray (SM)						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																					
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LOCATION COORDINATES X = 674,019 Y = 1,902,270			ELEVATION TOP OF BORING -58.0 Ft.																								
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																		
-73.91	15.91		SAND, poorly-graded with silt, mostly fine to coarse-grained sand-sized shell, some fine-grained sand-sized quartz, few silt, 10Y 5/1 greenish gray (SP-SM)																								
			SAND, silty, some fine-grained sand-sized quartz, some fine to coarse-grained sand-sized shell, little silt, 5GY 4/1 dark greenish gray (SM)	100			Vibracore																				
-77.11	19.11		From El. -74.9 to -77.1 Ft., mostly sand to gravel-sized shell, some fine-grained sand-sized quartz, little silt, shell size up to 3", 5GY 5/1 greenish gray				-77.1																				
-77.50	19.50	NO REC		0			-77.5 Vibracore (No Recovery)																				
			NOTES:  1. USACE Jacksonville is the custodian for these original files.  2. Soils are field visually classified in accordance with the Unified Soils Classification System.  3. Laboratory Testing Results  <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.0/1.5</td> <td>SP*</td> </tr> <tr> <td>1</td> <td>1.0/1.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>3.6/4.1</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>5.6/6.1</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>8.6/9.1</td> <td>SP*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/1.5	SP*	1	1.0/1.5	SP*	2	3.6/4.1	SP*	3	5.6/6.1	SP*	4	8.6/9.1	SP*						
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