



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-FC18-35			LOCATION COORDINATES X = 671,166 Y = 1,902,094		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					13. TOTAL NUMBER CORE BOXES 2		14. ELEVATION GROUND WATER					
6. THICKNESS OF OVERBURDEN N/A					15. DATE BORING		STARTED 01-03-19	COMPLETED 01-03-19				
7. DEPTH DRILLED INTO ROCK N/A					16. ELEVATION TOP OF BORING -61.08 Ft.		17. TOTAL RECOVERY FOR BORING 93 %					
8. TOTAL DEPTH OF BORING 19.87 Ft.					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			
-61.08	0.00						-61.1					
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, some sand to gravel-sized shell, trace silt, 10Y 6/1 greenish gray (SP)	100			-61.6	Vibracore				
				100	1			Vibracore				
-62.71	1.63						-62.7					
-63.71	2.63		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, little sand to gravel-sized shell, trace silt, 10Y 6/1 greenish gray (SP) SAND, poorly-graded, mostly fine-grained sand-sized quartz, few sand to gravel-sized shell, trace silt, silt seam at 0.8' and 1.1' depths, 10Y 6/1 greenish gray (SP)		2							
				100				Vibracore				
-65.11	4.03		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fine to medium-grained sand-sized shell, trace silt, shell seam at 8.5' depth, 10Y 4/1 dark greenish gray (SP)				-65.7					
					3							
-68.31	7.23			100				Vibracore				
-69.71	8.63		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few fine to medium-grained sand-sized shell, few silt, 10Y 6/1 greenish gray (SP-SM)		4		-68.7					
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, interbedded clay, 5GY 6/1 greenish gray (SM)	100								
-74.71	13.63										Vibracore	
-75.71	14.63											
			CLAY, inorganic-L, some sand to gravel-sized									

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																					
PROJECT Flagler HSDR			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL NAVD88																					
LOCATION COORDINATES X = 671,166 Y = 1,902,094			ELEVATION TOP OF BORING -61.1 Ft.																								
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																		
-77.31	16.23	 	shell, few fine-grained sand-sized quartz, 5GY 4/1 dark greenish gray (CL) From El. -76.7 to -77.3 Ft., little silt, few fine to medium-grained sand-sized shell, trace quartz, 5GY 4/1 dark greenish gray SAND, silty, mostly sand to gravel-sized shell, little silt, few fine-grained sand-sized quartz, 5GY 6/1 greenish gray (SM)	100			Vibracore																				
-79.58	18.50						-79.6																				
-80.95	19.87	NR		0			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>0.5/1.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>1.6/2.1</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>1.6/2.1</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>4.6/5.1</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>7.6/8.1</td> <td>SP-SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SP*	2	1.6/2.1	SP*	2	1.6/2.1	SP*	3	4.6/5.1	SP*	4	7.6/8.1	SP-SM*						
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