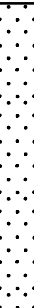

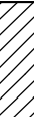


DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS		
1. PROJECT Flagler HSDR Offshore Sand Sources 3A				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION VB-FC18-39		LOCATION COORDINATES X = 671,269 Y = 1,900,652		10. COORDINATE SYSTEM/DATUM 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 01-06-19		COMPLETED 01-06-19	
8. TOTAL DEPTH OF BORING 19.72 Ft.				16. ELEVATION TOP OF BORING -57.18 Ft.		17. TOTAL RECOVERY FOR BORING 94 %			
				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
-57.18	0.00		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, little fine to coarse-grained sand-sized shell, trace silt, 10Y 5/1 greenish gray (SP)	100	1		-57.2		0
-59.48	2.30			-58.2					
-61.18	4.00			-61.2					
-62.5'				-62.5					
-64.5'			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, little fine to coarse-grained sand-sized shell, trace silt, trace gravel-sized shell at 8', 10Y 5/1 greenish gray (SP)	100	2		-64.2		5
-65.78	8.60			-65.78					
-67.2				-67.2					
-69.96	12.78			-69.96					
-71.56	14.38		CLAY, inorganic-L, little fine-grained sand-sized quartz, trace shell, 10GY 5/1 greenish gray (CL)	100	3		-71.56		10
			SAND, silty, some fine-grained sand-sized quartz, some silt, little fine to coarse-grained	100			4		

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 = 671,269 Y = 1,900,652			ELEVATION TOP OF BORING -57.2 Ft.																								
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																		
-72.26	15.08		sand-sized shell, 10GY 5/1 greenish gray (SM)	100			Vibracore																				
-73.76	16.58		SAND, clayey, some sand to gravel-sized shell, some clay, little fine-grained sand-sized quartz, 10GY 5/1 greenish gray (SC)																								
-75.68	18.50		CLAY, inorganic-L, little sand to gravel-sized shell, few fine-grained sand-sized quartz, shell size up to 4", 10GY 5/1 greenish gray (CL)																								
-76.90	19.72	NIR		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>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>4.0/4.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>7.0/7.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>10.0/10.5</td> <td>SP*</td> </tr> </tbody> </table>			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/1.5	SP*	1	1.0/1.5	SP*	2	4.0/4.5	SP*	3	7.0/7.5	SP*	4	10.0/10.5	SP*							
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