BLACK & VEATCH

PRELIMINARY BORING LOG

BORING NO. TC1-N

CLIENT	PROJECT	PROJECT NO.
South Florida Water Management District	EAA Reservoir A-1	140297.0213

PROJECT LOCATION	COORDINATES		GROUND ELEVATION (DATUM)	TOTAL DEPTH
Everglades, Florida	N 774459.7	E 759698.8	Not Surveyed	100.0 (ft)

SURFACE CONDITIONS	DATE START	DATE FINISHED
Stripped Caprock	02/23/2005	02/23/2005

LOGGED BY	CHECKED BY	APPROVED BY
Norm Holst		

SAMPLING: SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
CORING: CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
							0				LIMESTONE caprock	All calcitic material noted below is at least partly shell fragments
							2					
							3.5'					
							4					
SPT	1	13	11	11	22	0.9'	6				SAND; pale brownish gray, medium dense, wet, poorly graded, mostly fined grained, calcitic, trace gravel and silt	W = 15% Silty SAND
							8					
SPT	2	7	4	50	50+	0.8'					Grades very dense	C03 = 79%
							10					
							12					
SPT	3	6	5	5	10	0.7'	14				Grades medium dense	
							16					Hard drilling 16 to 17 ft: Limestone
							18					
SPT	4	6	8	8	16	0.6'						
							20					
							22					
SPT	5	50/5			50+	0.3'	24				Sand as above but some silt	Spoon bouncing hard drilling 23.8 to 25 ft. Caloosahatchee Formation
											24.0' LIMESTONE	
							25.0'					
							26					
							28					Hard drilling 27 to 27.5 ft
SPT	6	14	12	13	25	0.7'	30				Sandy GRAVEL; pale brownish gray, medium dense, wet, angular, calcitic with fine quartzose,	

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														30				subrounded sand and medium to coarse, angular calcitic sand	
														32					
																		33.5'	
SPT	7	14	18	19	37	1'								34				SAND; pale brownish gray, dense, wet, poorly graded, fine grained, subrounded, quartzose with a trace medium to coarse and angular, calcitic sand	W = 26% SAND with Silt
														36					
														38					
SPT	8	17	17	15	32	1'								40				SAND; pale brownish gray, dense, wet, well graded as above but subsequal amount of fine quartzose and medium to coarse calcitic sand	
														42					
SPT	9	5	3	4	7	0.9'								44				SAND; pale greenish gray, loose, wet, poorly graded, fine grained, subrounded, quartzose with a trace medium to coarse grained, angular, calcitic sand	
														46					
														48					
SPT	10	5	3	4	7	0.4'								50				Sand as above	
														52					Hard drilling 51 to 52 ft
																		53.5'	
SPT	11	12	6	7	13	1'								54				Sandy GRAVEL; pale greenish gray, medium dense, wet angular, calcitic with fine subrounded, quartzose sand, trace medium to coarse, angular, calcitic sand	W = 15% SAND with Silt and Gravel
														56					
														58					
																		58.5'	
SPT	12	10	13	14	27									60				SAND; pale greenish gray, medium dense, wet, well graded, fine, subrounded, quartzose and fine to	C03 = 63.2%

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SAMPLING																			
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	CORING							DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
							CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
														60				medium, angular, calcitic sand with some fine. angular, calcitic gravel	
														62					Hard drilling 61 to 61.5 ft
																		63.5'	
SPT	13	10	17	24	41	0.7'								64				Sandy GRAVEL; pale greenish gray, dense, wet, angular, calcitic with fine, subrounded, quartzose sand and medium to coarse, angular,calcitic sand	
														66					
														68					
SPT	14	29	20	20	40	1.1'												Sandy GRAVEL; as above	W = 18% SAND with Silt and Gravel
														70					
														72					
																		73.5'	
SPT	15	11	9	11	20	1'								74				SAND; pale greenish gray, medium dense, wet, well graded, fine, subrounded, quartzose sand and medium to coarse grained, angular, calcitic sand, trace fine, angular gravel	W = 24% SAND with Silt and Gravel
														76					
														78					
SPT	16	9	8	12	20	1'												SAND as above	C03 = 78.5%
														80					
														82					
SPT	17	15	18	16	34	1.1'								84				SAND; as above but with same fine calcitic gravel and dense	
														86					
														88					
SPT	18	10	8	8	16	1.5'								90				SAND; as above with some gravel but medium dense	W = 25% Silty SAND

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							CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
														90					
														92					
SPT	19	17	16	11	27	1.1'								94				SAND; as above but only a trace gravel and grades medium dense	
														96					
														98					
SPT	20	13	11	10	21	0.7'								100				SAND as above	
														102					
														104					
														106					
														108					
														110					
														112					
														114					
														116					
														118					
														120					