BLACK & VEATCH

PRELIMINARY BORING LOG

BORING NO. TC1-W

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 774072.2	E 759311.3	Not Surveyed	100.0 (ft)

SURFACE CONDITIONS	DATE START	DATE FINISHED
Stripped Caprock	02/28/2005	02/28/2005

LOGGED BY	CHECKED BY	APPROVED BY
Norm Holst		

SAMPLING							CORING										
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
														0				LIMESTONE; caprock	All calcitic materials are at least in part shell fragments
														2				2.5'	
														4				SAND; pale brownish gray, very dense, wet, well graded, angular, calcitic, some angular, fine gravel, trace silt	Loosing mud
SPT	1	9	4		50	50+	0.8'							6					
														8					Probably thin LIMESTONE dense
SPT	2	50				50+	0'							10					
														12					
																		13.5'	
SPT	3	8	15		2	17	0.9'							14				Silty SAND; medium dense, wet, poorly graded, mostly fine grained, angular, calcitic, some fine angular gravel	W = 26% Silty SAND with Gravel
														16					
														18					
																		18.5'	
SPT	4	19	34		5	39	1.1'							20				Sandy GRAVEL; pale brownish gray, dense, wet, poorly graded, fine, angular, calcitic, some silt	C03 = 91.9%
														22				22.0'	
																		LIMESTONE; varying hardness	Hard drilling at 21 and again 22 to 22.5 ft. loosing mud.
SPT	5	50				50+	0'							24					
																		25.5'	
														26					Caloosahatchee Formation
														28					
SPT	6	14	13		15	28	0.7'							30				SAND; pale brownish gray, medium dense, wet, poorly graded, fine grained, quartzose, trace	

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															30				angular, calcitic, fine sand, trace gravel	
															32					
SPT	7	14	17	25	42	1.1'									34				SAND; dense as above but subequal amount subrounded, quartzose and angular, calcitic	C03 = 56.5%
															36					
															38					
SPT	8	14	15	15	30	1'									40				SAND; like that at 28.5 ft but dense	
															42					
SPT	9	10	10	13	23	1.1'									44				SAND; like that at 28.5 ft but medium dense	
															46					
															48					
SPT	10	4	8	9	17	1.1'									50				SAND; pale greenish gray, medium dense, wet, poorly graded, fine grained, quartzose, trace angular, calcitic, fine sand and gravel	Hole collapsed after retrieving this sample W = 26% Silty SAND
															52					
																			53.5'	
SPT	11	7	7	9	16	0.3'									54				Sandy GRAVEL; pale greenish gray, medium dense, wet, poorly graded, fine grained, angular, calcitic with fine, both subrounded, quartzose and angular, calcitic sand, some silt	Hole collapses again
															56					
															58					
																			58.5'	
SPT	12	50/3			50+	0.1'									60				GRAVEL; only a few pieces of fine angular, calcareous gravel recovered with a trace fine sand	Thin LIMESTONE.

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														60				and silt	Lenses or cobbles at 58.7 and 63.6 ft.
														62					
SPT	13	50/2				50+	0.1'							64				Calcareous GRAVEL; as above	
														66					
														68					
																		68.5'	
SPT	14	30	15	14	29	0.5'								70				Sandy GRAVEL; pale greenish gray, medium dense, wet, poorly graded, fine grained, calcareous with subequal amounts of fine grained, subrounded quartzose, and fine to coarse grained, angular, calcitic sand, trace silt	W = 19% SAND with Silt and Gravel
														72					
																		73.5'	
SPT	15	16	14	14	28	1.1'								74				SAND; pale greenish gray, medium dense, wet, poorly graded, mostly fine grained, subrounded, quartzose, some fine to coarse grained, angular and calcitic, trace fine angular, calcareous, gravel	C03 = 65%
														76					
														78					
SPT	16	15	16	14	30	1.1'								80				SAND; as above but mostly fine to coarse grained, angular and calcitic, some fine grained, subrounded and quartzose, trace gravel and silt	W = 22% SAND with Silt and Gravel
														82					
SPT	17	18	20	19	39	1.2'								84				SAND; as above but dense	
														86					
														88					
SPT	18	7	6	12	18	1.3'								90				SAND; as above but medium dense	

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														90					
														92					
SPT	19	16	13	16	29	1.3'								94				SAND; as above	W = 22% SAND with Silt
														96					
														98					
SPT	20	17	12	14	24	1.3'								100				SAND; as above	C03 = 67.7%
														102					
														104					
														106					
														108					
														110					
														112					
														114					
														116					
														118					
														120					