BLACK & VEATCH

PRELIMINARY BORING LOG

BORING NO. TC2-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 774466.6	E 761783.8	Not Surveyed	100.0 (ft)

SURFACE CONDITIONS	DATE START	DATE FINISHED
Stripped Caprock	02/09/2005	02/10/2005

LOGGED BY	CHECKED BY	APPROVED BY
Norm Holst		

SAMPLING							CORING							DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
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						
														0				Muck; organic silt, dark brown	All calcitic material is at least in part shell fragments
																		0.5' LIMESTONE; pale brown to yellow, fine grained, shelly, vuggy, slightly weathered, strong and hard to soft, friable	
														2					
														4					
																		5.5' Gravelly SAND; light brown, medium dense, wet, angular, well graded, calcitic, shell fragments	GRAVEL with SAND
SPT	1	10	11	10	21	0.6'								6					
														8					
																		8.5' Silty GRAVEL; white, medium dense, wet, fine, angular, non plastic, calcitic, shell fragments	GRAVEL with Silt and Sand
SPT	2	6	5	4	9	0.1'								10					
																		11.0' GRAVEL; pale brown, very dense, wet, fine, angular, calcitic, trace sand and silt, shell fragments	SAND with Gravel
SPT	3	8	50/ 5.5		50+	0.3'								12					
																		13.5' Sandy GRAVEL; pale brown, very dense, fine angular, calcitic, some silt, shell fragments	Gravel with Silt and SAND
SPT	4	12	34	40	50+	1.1'								14					
														16					
														18					
																		18.5' Gravelly SAND; like 5.5 ft but very dense and contains larger shell fragments	
SPT	5	17	25	40	50+	1'								20					
														22					
																		23.5' LIMESTONE	Drilling rattling; slow drilling for about 3 ft.
SPT	6	42	50/3		50+	.5'								24					
														26				26.0'	Caloosahatchee Formation GRAVEL with Sand
														28					
SPT	7	9	14	18	32	0.9'								30				Sandy GRAVEL; pale brown, dense, wet angular, gravel and coarse to medium sand is calacitic, fine	

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														30		sand is quartzose	
														32			
																33.5'	
SPT	8	0	24	37	54+	1.1'								34		SAND; pale brown, very dense, wet, fine grained, quartzose	SAND
														36			
														38			
SPT	9	11	15	20	35	1'										SAND; as above but dense and with a trace of fine, calcitic gravel and shell fragments	SAND with Gravel
														40			
														42			
																43.5'	
SPT	10	7	9	11	20	0.7'								44		Sandy GRAVEL; pale greenish gray, medium dense, wet, fine, angular with fine, quartzose sand and trace shell fragments	
														46			
														48			
SPT	11	14	10	13	23	1.1'										Sandy GRAVEl; as above	
														50			
														52			
SPT	12	12	12	14	26	1'								54		Sandy GRAVEL; medium dense, pale greenish gray, fine, wet, calcitic with some fine, quartzose sand and trace silt	
														56			
														58			
																58.5'	
SPT	13	14	11	9	20	1.1'								60		Gravelly Silty SAND; pale greenish gray, medium dense, wet, calcitic, angular, with some fine,	Silty SAND

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														60				quartzose sand and trace silt	
														62					Hole caved; had to redrill to 63.5
																		63.5'	
SPT	14	50/5	50+			0.6'								64				Sandy GRAVEL; pale greenish gray, very dense, angular, wet, calcitic with some fine quartzose sand and trace silt	SAND with Silt and Gravel
														66					
														68					
																		68.5'	
SPT	15	5	29	30	50+	1.1'								70				Gravelly SAND; pale greenish gray, very dense, angular, wet calcitic with some fine, quartzose sand and trace silt	GRAVEL with Sand
														72					
SPT	16	15	13	15	28	1'								74				Gravelly SND; as above but with no silt	
														76					
														78					
SPT	17	18	23	27	50	1.1'								80				Gravelly SAND; as above but dense	
														82					
SPT	18	10	11	12	23	1.3'								84				Gravelly SAND; with trace silt like at 68.5 ft	
														86					
														88					
																		88.5'	
SPT	19	22	20	22	42									90				SAND; pale greenish gray, dense, wet, mostly fine grained and quartzose with some calcitic, angular,	

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														90				fine to medium sand and trace angular, calcitic fine gravel and trace silt	
														92					
SPT	20	18	15	16	31	1.5'								94				SAND; as above	
														96					
														98					
SPT	21	14	12	10	22	1.5'								100				SAND; as above	
														102					
														104					
														106					
														108					
														110					
														112					
														114					
														116					
														118					
														120					