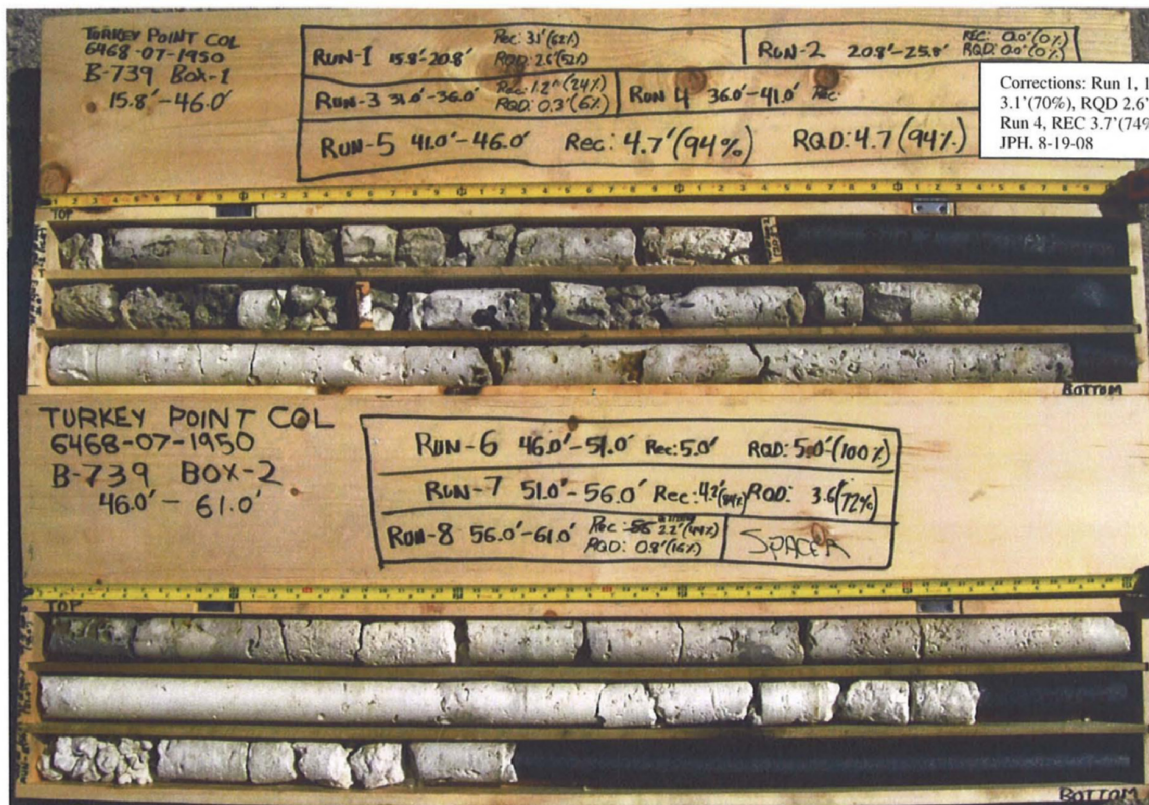
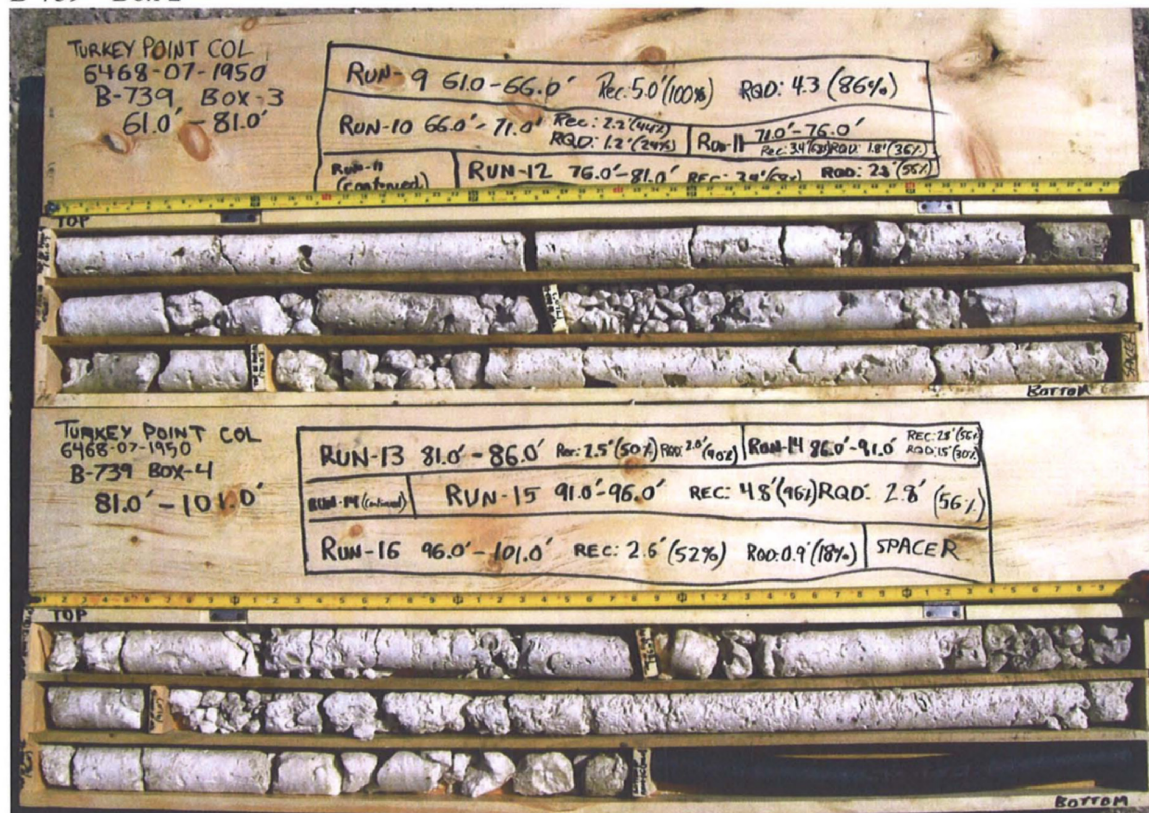




B-739 – Box 1

B-739 – Box 2



B-739 – Box 3

B-739 – Box 4



GEOTECHNICAL BORING LOG

Prepared By SPK Date 8-14-08Checked By SGZ Date 8/19/08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: H. Lyatuu				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 Marsh Buggy					DRILLER: D. White/ R. Hall				GROUND WATER (ft)			
BORING NO.: B-802					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR.		NA	
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 398,817 US ft (NAD83/90)					EASTING: 876,266 US ft (NAD83/90)				24 HR.		NA	
TOTAL DEPTH: 128.5 ft			BORING DIAMETER: 6" to 35.0', 4" to 128.5'					CASING DEPTH: 6" to 35.0'				HAMMER (ID): 140 lb. Auto (893)					
DATE STARTED: 4/23/08			COMPLETED: 5/2/08			CORE SIZE: PQ3			BITS USED: 3 15/16" Tricone								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100							
-1.5					Ground Surface												
-1.5	0.0	WOH	WOH	WOH	0						802-1			-1.5	Sandy FAT CLAY (CH), light gray (10YR7/2), very soft, wet, some fine grained sand, trace organics, strong HCl reaction	0.0	
-4.0	2.5	WOH	5	16							802-A&B			-3.5		2.0	
-6.5	5.0	9	9	7							802-3			-4.8	MUCK, dark gray (10YR4/1), to light gray (10YR7/2), very soft, moist, fine grained sand, trace shell fragments, strong HCl reaction	3.3	
-9.0	7.5	5	19	12							802-4				LIMESTONE, boundstone, white (10YR8/1), soft, wet, fossiliferous, strong HCl reaction, oolitic (Miami Formation)		
-11.5	10.0	5	10	11							802-5				5.0ft: white (7/5YR8/1), very soft		
-14.0	12.5	8	10	22							802-6				7.5ft: white (10YR8/1), medium hard		
-16.5	15.0	6	10	14							802-7				10.0ft: soft		
															12.5ft: medium hard		
-21.5	20.0	18	28	50/0.4							802-8				15.0ft: soft		
-26.0	24.5	6	6	10											20.0ft: hard		
-30.7	29.2	5	6	14							802-9				24.5ft: very soft		
-35.7	34.2	33	38	50/0.3							802-10				LIMESTONE, boundstone, white (10YR8/1), soft, wet, fossiliferous, strong HCl reaction (Fort Thompson Formation)		
-38.5	37.0										802-11				34.2ft: hard		
-43.5	42.0	4	11	38							RUN-1				37.0ft: Alternate sampling method between coring and SPT		
-45.0	43.5	7	9	23							802-12				42.0ft: moderately hard		
-48.5	47.0										RUN-2				43.5ft: medium hard, moderately indurated, few vugs, fossiliferous, recrystallized calcite, little sand		
-50.0	48.5										802-13				47.0ft: friable		
-53.5	52.0	7	17	47							RUN-3						
-55.0	53.5										802-14				52.0ft: hard		
-58.5	57.0	5	11	7							RUN-4						
-60.0	58.5										802-15				57.0ft: very soft		
-63.5	62.0										RUN-5				58.5ft: moderately hard to medium hard, moderately indurated, little vugs, trace fine grained sand		
-68.5	67.0										RUN-6				62.0ft: medium hard, few vugs		
-73.5	72.0										RUN-7				67.0ft: little vugs, coralline		
											RUN-8				72.0ft: trace vugs		

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/14/08



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: H. Lyatuu			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 Marsh Buggy				DRILLER: D. White/ R. Hall				GROUND WATER (ft)			
BORING NO.: B-802				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR.		NA	
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 398,817 US ft (NAD83/90)				EASTING: 876,266 US ft (NAD83/90)				24 HR.		NA	
TOTAL DEPTH: 128.5 ft				BORING DIAMETER: 6" to 35.0', 4" to 128.5'				CASING DEPTH: 6" to 35.0'				HAMMER (ID): 140 lb. Auto (893)			
DATE STARTED: 4/23/08				COMPLETED: 5/2/08				CORE SIZE: PQ3				BITS USED: 3 15/16" Tricone			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	L O G	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100					
-76.3					Continued from previous page										
-78.5	77.0														
-80.0	78.5	9	42	49							802-16			LIMESTONE, boundstone, white (10YR8/1), soft, wet, fossiliferous, strong HCl reaction (Fort Thompson Formation) (continued)	
											RUN-9			77.0ft: hard	
														78.5ft: medium hard	
-83.5	82.0														
-84.0	82.5	50/0.5									802-17			82.0ft: hard	
											RUN-10			82.5 to 83.0ft: silty sand, then LIMESTONE, medium hard, few vugs	
-88.5	87.0														
											RUN-11			87.0 to 89.0ft: silty sand, greenish gray (5BG6/1), dense wet calcareous, trace shell fragments, strong HCl reaction	
-93.5	92.0													89.0ft: LIMESTONE, boundstone, white (10YR8/1), medium hard, interbedded soft friable limestone, moderately indurated, trace vugs, fossiliferous, strong HCl reaction	
											RUN-12				
-98.5	97.0														
-100.0	98.5	16	28	42							802-18A&B			97.0ft: hard, little fine grained sand	
											RUN-13			98.5ft: soft to moderately hard, friable to moderately indurated, trace vugs, little shell casts, trace fine grained sand	
-103.5	102.0													102.0ft: soft to medium hard, few vugs, most shell casts	
											RUN-14				
-108.5	107.0														
											RUN-15			107.0ft: little vugs	
-113.5	112.0														
											RUN-16			112.0ft: gray (10YR7/2), medium hard to soft, moderately indurated to friable, trace vugs, little fine grained sand	
-118.5	117.0	5	10	14							802-19			Silty SAND (SM), light gray (5Y7/2), medium dense, wet, fine grained sand, trace cemented sand, weak HCl reaction (Tamiami Formation)	
-128.5	127.0	6	8	7							802-20			127.0ft: light greenish gray (10Y7/1)	
														128.5	
														Boring Terminated at Elevation -130.0 ft	

TURKEY POINT COL BORE TURKEY POINT COL GDT 8.14.08