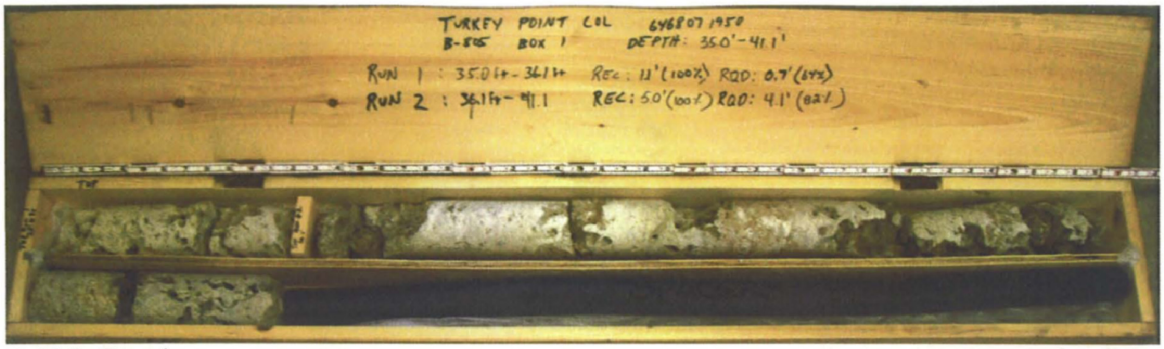
MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Lehman
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-55 Marsh Buggy	DRILLER: P. Pitts/ B. Carrasco	GROUND WATER (ft)
BORING NO.: B-805	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.6 ft (NAVD88)	NORTHING: 396,883 US ft (NAD83/90)	EASTING: 877,240 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 125.3 ft	CASING DEPTH: 6" to 35.0'		HAMMER (ID): 140 lb. Auto (MEC-425)
DATE STARTED: 5/17/08	COMPLETED: 5/22/08	CORE SIZE: PQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

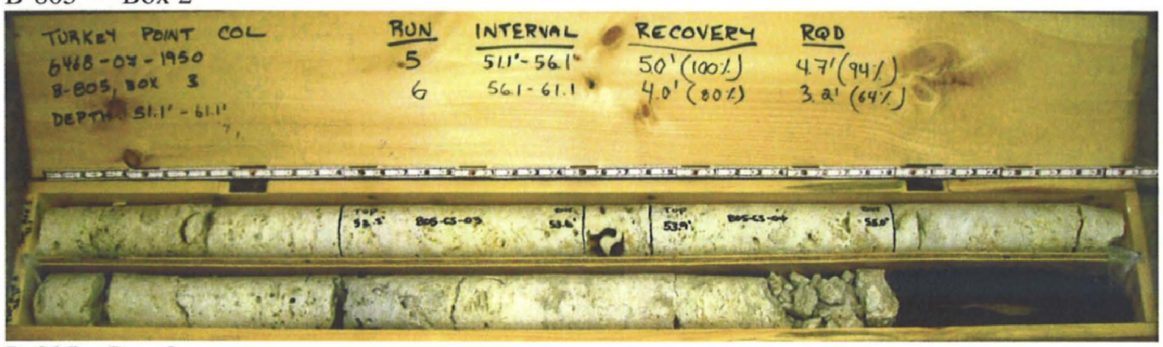
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 35.0 ft
-36.6	35.0	1.1	4:39	(1.1)	(0.7)	RUN-1	(13.2)	(11.1)		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, indurated,
-37.7	36.1	5.0	2:10/0.1	100%	64%	RUN-2	96%	81%		fossiliferous (Upper Fort Thompson Formation) *(continued)*
			4:47	(5.0)	(4.1)					35.0ft: hard, little vugs
			5:46	100%	82%					36.1ft: white (10YR8/1), to very pale brown (10YR8/3), recrystallized calcite
			5:04							
			3:33							
-42.7	41.1		3:49							
		5.0	3:22	(4.5)	(3.7)	RUN-3				41.1ft: few vugs
			3:15	90%	74%					
			4:57							
			6:14							
-47.7	46.1		5:31							
		5.0	8:43	(5.0)	(5.0)	RUN-4				46.1ft: gray (10YR6/1) to 48.7ft
			6:07	100%	100%					
			5:08							-50.3 48.7
			5:00				(39.0)	(29.3)		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, recrystallized
-52.7	51.1		2:14				76%	57%		calcite, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson
		5.0	5:29	(5.0)	(4.7)	RUN-5				Formation)
			7:39	100%	94%					
			5:16							
			5:47							
-57.7	56.1		6:33							
		5.0	4:44	(4.0)	(3.2)	RUN-6				56.1ft: trace sand
			3:04	80%	64%					
			2:40							
			0:48							
-62.7	61.1		2:48							
		5.0	4:39	(2.8)	(1.4)	RUN-7				61.1ft: moderately hard, moderately indurated
			1:45	56%	28%					63.0 to 65.0ft: possible sand lenses
			0:58							
			0:29							
-67.7	66.1		1:27							
		5.0	3:01	(3.0)	(0.4)	RUN-8				67.0ft to 69.0ft: possible sand lenses
			0:28	60%	8%					
			1:40							
			4:04							
-72.7	71.1		2:42							
		5.0	2:41	(1.0)	(0.0)	RUN-9				71.1ft: white (7.5YR8/1), medium hard
			1:26	20%	0%					73.0 to 76.0ft: possible sand lenses
			1:00							
			0:33							
-77.7	76.1		0:59							
		5.0	4:32	(4.3)	(4.0)	RUN-10				76.1ft: moderately hard
			7:05	86%	80%					
			5:10							
			4:08							
-82.7	81.1		2:11							
		5.0	1:05	(3.3)	(2.1)	RUN-11				81.1ft: white (10YR8/1)
			3:47	66%	42%					84.0 to 85.0ft: possible sand lenses
			3:36							
			0:34							
-87.7	86.1		8:26							
		5.0	5:02	(5.0)	(4.3)	RUN-12				86.1ft: hard
			2:13	100%	86%					
			2:06							
			2:39							
-92.7	91.1		1:58							
		5.0	3:44	(5.0)	(4.8)	RUN-13				
			2:25	100%	96%					
			1:56							
			1:36							
-97.7	96.1		1:17							
		5.0	2:00	(3.2)	(2.0)	RUN-14				96.1ft: medium hard, friable to moderately indurated, few vugs
			3:05	64%	40%					
			2:07							
			3:40							-101.6 100.0
-102.7	101.1		6:14				(0.0)	(NA)		-102.7 Silty SAND (SM), light gray (7.5YR7/1), dense, wet, fine grained sand, strong 101.1
							0%			HCl reaction, trace limestone fragments (Tamiami Formation)
										Coring Terminated at Elevation -TBD

TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08

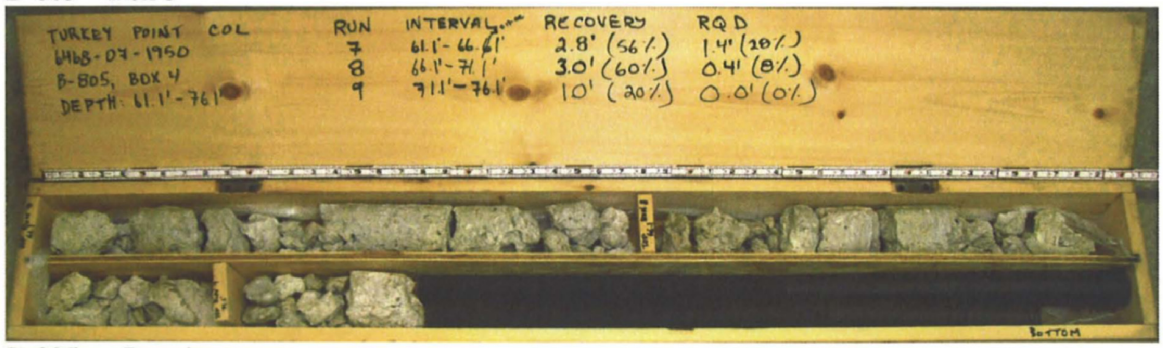


B-805– Box 1

B-805 – Box 2

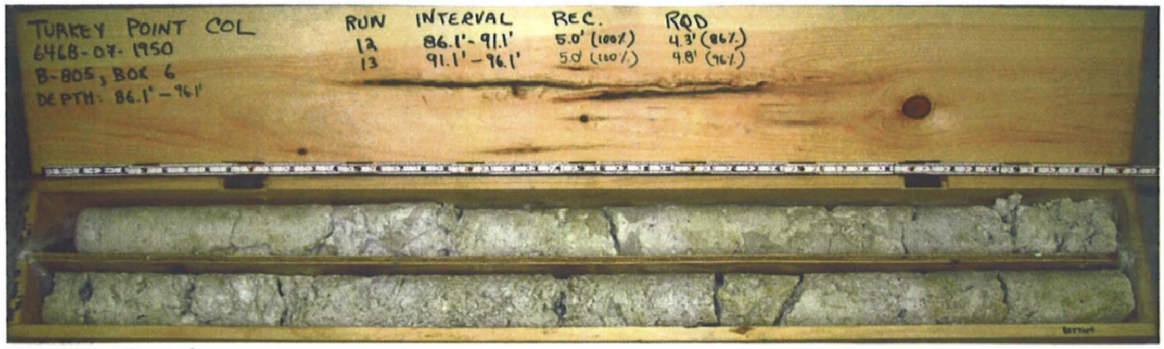


B-805 – Box 3

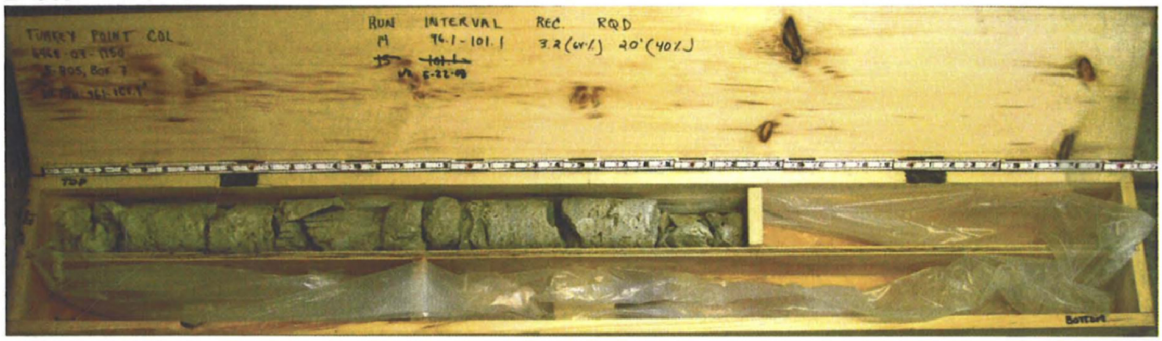


B-805 – Box 4

B-805 – Box 5



B-805 – Box 6



B-805 – Box 7