

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: B34	BORING NUMBER: B34-SB1
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SWMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: K. TISCHLER/S. PEARSON	REF. LOGBOOK: 735903
BORING DEPTH (ft-BGL): 12.9	DRILLER: ROBERT HUBLER
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-53
EAST COORDINATE: 536066	DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY
NORTH COORDINATE: 3284573	SAMPLING METHOD: 5' SPLIT SPOON
BEGIN DRILLING: 08/22/96 (1410)	END DRILLING: 08/22/96 (1550)

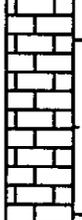
DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
12.9	12/2		0	CLAY/SILT, dark brown (7.5YR 3/3), soil and organic material, some caliche (minor).		Hollow-stem auger and split-spoon sampling to 3.75'.
2				LIMESTONE (wackestone), pinkish white (7.5YR 8/2), fractured, dry.		
2	2/2		0	CLAY/SILT soil as above, hit rock at 3.75'.		
4				LIMESTONE (wackestone), white (7.5 YR 8/1). No recovery.		Air core 4-12.9'.
6	3/5		0	LIMESTONE (wackestone), white (7.5YR 8/1), hard, massive vuggy, dissolution of bivalve shells, small fragments of pelecypod & bivalves (majority < 1/8"), Fe oxide staining, gastropods (3/4") similar to turritella, dry.		
8						
10	0.5/1.5		0	Same as above, LIMESTONE, moist.		
12	2/2		0	LIMESTONE (mudstone/wackestone), very pale brown (10YR 8/3), hard, massive, pelecypod and bivalves common (typically 1/4 to 1/2"), more common towards bottom of core (wackestone), dry.		
14				Total depth = 12.9 feet.		

* Analytical samples were taken in March 2000 due to problems associated with ITS Laboratory.

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: B34		BORING NUMBER: B34-SB2	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: SWMU CLOSURE		DRILLING CONTRACTOR: CORE TERRA, INC.	
LOGGED BY: K. TISCHLER/S. PEARSON		REF. LOGBOOK: 735903	
BORING DEPTH (ft-BGL): 10.2		DRILLER: ROBERT HUBLER	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE 8-53	
EAST COORDINATE: 536071		DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY	
NORTH COORDINATE: 3284558		SAMPLING METHOD: 5' SPLIT SPOON/AIR CORE	
BEGIN DRILLING: 08/22/98 (1610)		END DRILLING: 08/22/98 (1730)	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (total)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1.5/2			135	SILT/CLAY, dark brown (7.5YR 3/3), minor caliche, organic particles, grass, friable, weathered, dry.		Intermittent rain throughout sampling; Hollow-stem auger and split-spoon sampling to 5'.
0.8/1.5			75			
1/1		✕				
				Loose material, not coreable, begin drilling at 5'. No recovery, fractured gray limestone with marl interbedded, description from cuttings.		Hit rock at 5', driller reports fractured gray limestone with marl interbeds.
0.5/3						Air core 5-10.2'.
2/2.7		✕		LIMESTONE (mudstone/wackestone), hard, massive, Fe oxide staining, occasional bivalves and pelecypods, damp.		
				Total depth = 10.2 feet.		

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SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: B34	BORING NUMBER: B34-SB3
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SWMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: K. TISCHLER/S. PEARSON	REF. LOGBOOK: 735903
BORING DEPTH (ft-BGL): 13.8	DRILLER: ROBERT HUBLER
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-53
EAST COORDINATE: 536074	DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY
NORTH COORDINATE: 3284538	SAMPLING METHOD: 5' SPLIT SPOON/AIR CORE
BEGIN DRILLING: 08/23/96 (0815)	END DRILLING: 08/23/96 (1015)

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (ppm)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1.2/2	✕		0	SILTY CLAY, dark brown (7.5YR 3/3), weathered limestone marl, firm, slightly plastic, roots at top, mottled appearance, damp.		Hollow-stem auger and split-spoon sampling to 5'.
2						
1.5/2			0	SILTY CLAY, similar to above though more dense, less weathered limestone marl, brown (7.5YR 4/4), firm, slight plasticity, damp.		
4						
1.4/2			0	CLAY, some silt, brown (7.5YR 4/4), plastic, grades into weathered limestone, damp.		
6						Air core 5-13.8'.
1.5/2				WEATHERED LIMESTONE, pink (10YR 8/4), extremely friable, damp.		
8						
1.5/1.5			0	Same as above, not as extensively weathered, Fe oxide staining.		
10						
3/4.3			0	LIMESTONE (wackestone/mudstone), pink (7.5YR 8/3), hard, massive, 1/4" pelecypods, Fe oxide staining, dry.		
12						
				CLAYEY LIMESTONE, gray (7.5YR 6/1), stiff, separates into laminations, orange-brown to steel gray mottling, moderate fissility, slight to moderate plasticity, plasticity decreases upwards, becomes hard, damp.		
14				Total depth = 13.8 feet.		

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