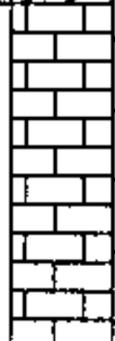
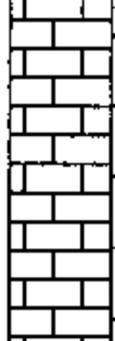
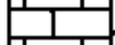
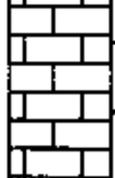
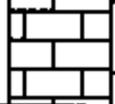


SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: B24		BORING NUMBER: B24-SB01	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: RL33		DRILLING CONTRACTOR: JEDI	
LOGGED BY: S. PEARSON		REF. LOGBOOK: 730396	
BORING DEPTH (ft-BGL): 19.5		DRILLER: T. DZIERANOWSKI	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE B-61	
EAST COORDINATE: 537330		DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY CORING	
NORTH COORDINATE: 3287663		SAMPLING METHOD: SPLIT SPOON/AIR CORE	
BEGIN DRILLING: 3/29/00		END DRILLING: 3/29/00	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
0	NA	▲	0.0	SILTY CLAY, 20% silty, poorly sorted, loose, dark brown, dry to damp, moderately permeable, slightly plastic, some caliche nodules, no odor.	CL		Collected grab sample: 0-0.5'. UX0 clearance to 3.5'.
5	2.4/5		0.0	LIMESTONE (wackestone), slightly shaly, yellowish-brown and white, dry to damp, slightly permeable, very weathered limestone with marl and caliche clay, no allochemical constituents, no odor.			Air Rotary Coring from 3.5-19.5'.
10	3.1/3.5	▲	0.0	LIMESTONE (wackestone), white, dry, slightly permeable, massive, no allochems, thinly bedded structure, trace of interbedded shale, no odor.			
11	1.1/1.5		0.0	LIMESTONE (packstone), gray, dry, slightly permeable, massive, no allochems, sharp contact with above, no odor.			
15	2.8/3.5		0.0	LIMESTONE (wackestone), very fine grained, very hard, yellowish-brown, dry to damp, slightly permeable, horizontal partings with clay/caliche layers, very clayey at 17', no odor.			After 24 hours - No accumulation of water in open borehole.
17	2/2		0.0	LIMESTONE (wackestone), same as above.			
20	5/5	▲	0.0	LIMESTONE (mudstone), very fine grained, very hard, gray, dry, impermeable, gray shale limestone, sharp contact, slightly weathered and clayey, no allochems, no odor. <i>TOTAL DEPTH = 19.5 FT.</i>			

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: SWMU B24 SOUTH TRENCH	BORING NUMBER: B24-SB02
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: RL33	DRILLING CONTRACTOR: JEDI
LOGGED BY: S. PEARSON	REF. LOGBOOK: 730398
BORING DEPTH (ft-BGL): 20	DRILLER: T. DZIERANOWSKI
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-61
EAST COORDINATE: 537334	DRILLING METHOD: AIR CORE
NORTH COORDINATE: 3287837	SAMPLING METHOD: SPLIT SPOON/AIR ROTARY CORING
BEGIN DRILLING: 3/29/00	END DRILLING: 3/29/00

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
2.0/2.5			0.0	SILTY CLAY, very fine grained, 35% silty, dark brown, dry, moderately permeable, slightly plastic, root material, no odor.	CL		Split Spoon sampling to 2.5'.
0/2.5				No recovery - weathered limestone.			Air Rotary Coring from 2.5-20'.
2.7/5			0.0	LIMESTONE (wackestone), fine grained, yellowish-white, dry, slightly permeable to impermeable, fractured, massive bedding, no allochems, somewhat weathered, no odor.			
3.3/5			0.0	LIMESTONE, same as above to 14.5'.			
2.6/4.5			0.0	LIMESTONE (mudstone), gray, dry, impermeable, shaly, interclasts, some pelecypods (very small). LIMESTONE (wackestone), yellowish-white, dry, impermeable, some pelecypods, small vertical fractures.			After 24 hours - No accumulation of groundwater in open borehole.
.5/.5			0.0	LIMESTONE (mudstone), clayey, dry, slightly permeable, gray, shaly limestone, parts are clayey dry and brittle, trace of pelecypods fragments. <i>TOTAL DEPTH = 20 FT.</i>			

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: B24 SOUTH TRENCH		BORING NUMBER: B24-SB03	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: RL33		DRILLING CONTRACTOR: JEDI	
LOGGED BY: S. PEARSON		REF. LOGBOOK: 730396	
BORING DEPTH (ft-BGL): 20		DRILLER: T. DZIERANOWSKI	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE B-61	
EAST COORDINATE: 537365		DRILLING METHOD: HSA/AIR CORE	
NORTH COORDINATE: 3287690		SAMPLING METHOD: AIR ROTARY CORING	
BEGIN DRILLING: 3/30/00		END DRILLING: 3/30/00	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (ppm)	LITHOLOGIC DESCRIPTION	USCS GRAPHIC LOG	COMMENTS
0	NA	X	0.0	SILTY CLAY, very fine grained, 50% silt, dark brown, dry, very permeable, non-plastic, loose, no split spooning due to UXO clearance, no odor.	ML	Grab sample collected: 0-0.5'
5	1/1		0.0	LIMESTONE (weathered), very fine grained, 50% clay and silt, yellow-brown, dry, no odor.		UXO clearance to 4'.
5	1.5/2		0.0	LIMESTONE/MARL (wackestone), very fine grained, yellow-brown, dry, very permeable, no odor.		Split Spoon sampling to 7'.
10	2.2/5.0		0.0	LIMESTONE (wackestone), yellowish-white, some pelecypods, massive, some laminations, weathered rock to about 10', poor recovery, no odor.		Air Rotary Coring from 7-20'.
15	2.6/3		0.0	LIMESTONE (wackestone), white, dry, impermeable, same as above, vertical fracture at 14' with hematitic staining, no odor.		
20	4.2/5.0		0.0	LIMESTONE (packstone), fine grained, white/yellow, dry, impermeable, same as above but with increased grain size, interbedded clay, no trace of gray clayey shale seen in SB1 and SB2.		3" of water accumulated in borehole after drilling. Left borehole open overnight, no measurable water in borehole by the next morning.
20				TOTAL DEPTH = 20 FT.		

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: SWMU B24	BORING NUMBER: B24-SB04
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: RL33	DRILLING CONTRACTOR: JEDI
LOGGED BY: S. PEARSON	REF. LOGBOOK: 730396
BORING DEPTH (ft-BGL): 20.2	DRILLER: T. DZIERANOWSKI
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-61
EAST COORDINATE: 537385	DRILLING METHOD: AIR CORE
NORTH COORDINATE: 3287760	SAMPLING METHOD: SPLIT SPOON/AIR CORE
BEGIN DRILLING: 3/30/00	END DRILLING: 3/30/00

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
0-0.5	NA	✗	0.0	SILT/CLAY, very fine grain, clayey, moderately sorted, subrounded, loose, yellow-brown, damp, very permeable, CaCO3 parent material, no odor.	ML		Collected grab sample: 0-0.5'. UXO screening to 2.5'.
0.5-5.5	2/2			LIMESTONE (weathered), 40% silt, yellow-white, damp, moderately permeable, limestone that has weathered to a calcareous clay, some relict limestone structure, caliche and marl.			Split Spoon sampling to 5.5'.
5.5-5.5	1/1			LIMESTONE (weathered), same as above.			Driller reports rock at 5.5'.
5.5-10.5	0.9/5.0	✗	0.0	LIMESTONE (wackestone), white, dry, impermeable, massive, some laminated gray bedding.			Driller reports clayey zone, poor coring capacity 8-10.5'.
10.5-10.5				No recovery, yellow-brown clay, plastic, no odor.			
10.5-15.5	4.2/5		0.0	LIMESTONE (wackestone), very hard, white with some brown laminations, dry, impermeable, with some thin brown laminations, no allochemical constituents.			After 24 hours - No accumulation of groundwater in open borehole.
15.5-18.5				LIMESTONE (wackestone/mudstone), very hard, light gray, dry, impermeable, sharp contact with above, outside of core is pitted that may be an artifact from coring, trace of pelecypods and interclasts, no odor.			
18.5-20.2	2.2/2.5		0.0	LIMESTONE (wackestone), very hard, white/gray, dry, same as above to 18'.			
20.2-20.2	1.2/2.5	✗	0.0	CLAY, very fine grained, soft, dark gray, moist, slightly permeable, calcareous, poor coring with low recovery, no odor.			
				TOTAL DEPTH = 20.2 FT.			

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

SITE LOCATION: SWMU B24		BORING NUMBER: B24-SB05	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: RL33		DRILLING CONTRACTOR: JEDI	
LOGGED BY: S. PEARSON		REF. LOGBOOK: 730398	
BORING DEPTH (ft-BGL): 20.5		DRILLER: T. DZIERANOWSKI	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE B-61	
EAST COORDINATE: 537418		DRILLING METHOD: HSA/AIR CORE	
NORTH COORDINATE: 3287833		SAMPLING METHOD: AIR ROTARY CORING	
BEGIN DRILLING: 3/30/00		END DRILLING: 3/30/00	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PIID (ppm)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
0	NA	X		SILTY CLAY, very fine grained, 50% silt, poorly sorted, loose, dark brown, dry, very permeable.	ML		Collected grab sample: 0-0.5'. UXO screening to 2.5'.
5	1.3/3		0.0	LIMESTONE (wackestone), very hard, white and off-white, dry, impermeable, no odor. Driller reports interbedded clay layers that were not recovered with the core.			Air Rotary Coring 2.5-20.5'.
10	1.2/5		0.0	LIMESTONE (wackestone), very fine grained, 15% clayey and silty, very hard, yellowish-white, dry, poor recovery, no allochemical constituents, no odor. Driller reports interbedded clay at 7-8' and 8.5-9'.			
15	3.2/5	X	0.0	LIMESTONE (wackestone), same as above to 11'. LIMESTONE (wackestone/mudstone), very hard, light gray, dry, becomes shaly with depth.			
20	2.9/5	X	0.0	LIMESTONE (wackestone/mudstone), very hard, dry, impermeable, same as above to 18'.			Core barrel gets stuck at 20.5' due to cuttings heaving back into borehole.
20.5				No recovery from 18.5-20.5'.			
20.5				TOTAL DEPTH = 20.5 FT.			After 24 hours - No accumulation of groundwater in borehole.