



Dataforensics  
 3730 Chamblee Tucker Rd  
 Atlanta, GA 30341  
 Telephone: 678-406-0106  
 Fax: 770-934-9476

# WELL NUMBER B-1

PAGE 1 OF 2

<b>CLIENT</b> USACE	<b>PROJECT NAME</b> Monroe Lake Dam
<b>PROJECT NUMBER</b> 2005-0017	<b>PROJECT LOCATION</b> Bloomington, IN
<b>DATE STARTED</b> 10/19/05 <b>COMPLETED</b> 10/19/05	<b>GROUND ELEVATION</b> 789 ft NAD 83 <b>HOLE SIZE</b> 6
<b>DRILLING CONTRACTOR</b> PGCi Drilling	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> 5-1/4" Hollow stem auger	▽ <b>AT TIME OF DRILLING</b> 15.0 ft / Elev 774.0 ft
<b>LOGGED BY</b> Charles Schulz <b>CHECKED BY</b>	▽ <b>AT END OF DRILLING</b> 14.0 ft / Elev 775.0 ft
<b>NOTES</b>	▽ <b>AFTER DRILLING</b> 18.0 ft / Elev 771.0 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0								
1.0						ASPHALT	788.0	Top cap
5	GRAB O-1					SAND, green, poorly graded, subangular, medium grained, moist, very loose, more comments		Backfill
6.0						SILTY SAND, dark brownish gray and light olive green, well graded, angular, fine to medium grained, dry to moist, loose, stratified, trace boulders, some manganese, chemical odor, weak cementation, some comments	11	Bentonite seal
10	SPT S-1	92		MC = 14% DD = 116 pcf			1	
15				drilling notes		GRAVELLY SAND, dark gray to light green, well graded, angular, fine to medium grained, dry to moist, medium dense, stratified, trace boulders, some manganese, chemical odor, weak cementation, some comments		Filter
15	SPT S-2	75	4-5-6-7 (11)	PP = 3 tsf		15': a strata detail	2	
20						SANDY CLAY, gray with black, dry to moist, very stiff, slickensided, low plasticity, trace ferrous nodules, some mica, hydrocarbon odor, weak cementation, ccc		
20	SPT S-3	79	8-10-12-14 (22)	PP = 3.0 tsf			1	
25						22' - 23': another strata detail		
25	SH T-1	83				FAT CLAY, gray, dry to moist, very stiff to hard, high plasticity, trace mica, hydrocarbon odor, weak cementation, comments	3	Slotted pipe
30	SPT S-4	92	1-2-50/1"					
30	SPT S-5	75	1-50/2"					
35	SPT S-6	33	50/3"	rough drilling				
35.0							754.0	

GENERAL BH / TP / WELL TEST 2-10-06.GPJ (GINT US LAB.GDT 3/23/06)

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35								
40					40.0	DOLOMITE LIMESTONE, freshly weathered to slightly weathered, thinly interbedded, gray, medium grained, dolomitic, very hard to hard, wide to very wide fracture spacing, 75° to 90° bedding angle, wet to dripping, comments	749.0	<p>Filter</p> <p>Cement</p>
45					45.0	CALCAREOUS SANDSTONE, freshly weathered, thinly interbedded, dark brownish gray and light greenish olive, medium grained, dolomitic, very hard, wide fracture spacing, 90° bedding angle, wet, comments	744.0	
				Refusal at 35.0 feet. Bottom of hole at 45.0 feet.				