

CORE BORING REPORT								DATE: 10/27/2004
PROJECT: 33321.1.1		LD. NO.: B-3877		BORING NO.: B2-B		GEOLOGIST: Chris Baldwin		
DESCRIPTION: Bridge No. 52 over Turkey Creek on SR 1101 (Claude Lewis Road)				SENIOR DRILLER: Jim Gilchrist				
COUNTY: Nash		COLLAR ELEVATION: 148.4 ft		TOTAL DEPTH: 48.8 ft		DRILLING ASSISTANT: Nick Boudreaux		
Elev. (ft)	Depth (ft)	Drill Rate min./ft	Run Length (ft)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS	
127.7	20.7	0:27/0.2 ft	1.2	1.2/1.2	0.0/1.2		1 joint at 30° WR - 20.7 - 22.5 ft Gray, severely weathered, medium hard Meta-Argillite Very close fracture spacing.	
		3:37		100%	N/A			
126.5	21.9	3:33	5.0	1.2/5.0	0.0/5.0		1 joint at 40° STRATA REC.=100% 2 joints at 0° STRATA RQD=N/A	
		3:10		24%	N/A		STRATA BREAK	
		2:56					3 joints at 0° WR - 22.5 - 29.4 ft Gray, severely weathered, soft Meta-Argillite Very close fracture spacing.	
		1:40						
		1:30					STRATA REC.=9% STRATA RQD=N/A	
121.5	26.9	1:47	5.0	2.5/5.0	1.4/5.0			
		1:52		50%	28%			
		3:27					STRATA BREAK	
		3:39					5 joints at 0° NCR - 29.4 - 32.2 ft Gray, moderately severely weathered, medium hard Meta-Argillite Very close to close fracture spacing. 1 joint at 70°	
		3:45					1 joint at 20° STRATA REC.=100% 1 joint at 30° STRATA RQD=48%	
116.5	31.9	3:19	5.0	3.9/5.0	1.8/5.0		STRATA BREAK 2 joints at 0°	
		3:45		78%	36%		WR - 32.3 - 33.4 ft Gray, severely weathered, soft Meta-Argillite Very close fracture spacing. STRATA REC.=0%	
		4:04					STRATA BREAK STRATA RQD=N/A	
		4:15					3 joints at 0° 2 joints at 75° NCR - 33.4 - 37.9 ft Gray, moderately severely weathered, medium hard Meta-Argillite Very close to close fracture spacing.	
		4:20					1 joint at 10° 1 joint at 90° 4 joints at 40° STRATA REC.=100% 2 joints at 60° STRATA RQD=40%	
111.5	36.9	1:40/0.4 ft	4.4	2.6/4.4	0.0/4.4		3 joints at 0° 1 joint at 10°	
		3:49		59%	0%		STRATA BREAK	
		3:10					WR - 37.9 - 40.2 ft Gray, severely weathered, soft Meta-Argillite Very close fracture spacing. STRATA REC.=22%	
		2:39					STRATA BREAK STRATA RQD=N/A	
		3:27					NCR - 40.2 - 48.8 ft Gray, moderately severely weathered, moderately hard Meta-Argillite Very close to moderately close fracture spacing.	
107.1	41.3						4 joints at 0° 2 joints at 70° 1 joint at 80°	

Continued on Sheet 2

<p><b>DRILLING EQUIPMENT:</b> CME - 550 ATV with automatic hammer.</p> <p><b>HOLE ADVANCEMENT:</b> 1. HSA from 0.0 - 20.7 feet using 3.25" hollow stem augers. 2. Cored using NQ3 w/SICB and a Series 6 diamond impregnated bit from 20.7 - 48.8 feet.</p>	<p><b>NOTES:</b></p>
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Elev. (ft)	Depth (ft)	Drill Rate min./ft	Run Length (ft)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS	
107.1	41.3	4:57/1.3 ft	5.3	5.3/5.3	4.3/5.3		4 joints at 0° NCR - 40.2 - 48.8 ft Gray, moderately severely weathered, moderately hard Meta-Argillite Very close to moderately close fracture spacing.	
		4:40		100%	81%	RS-4	1 joint at 10° 1 joint at 75° RS-4 43.2 - 43.5 ft qu=6,085 psi	
		4:52					1 joint at 20° 1 joint at 90°	
		5:07					1 joint at 25° 2 joints at 30° 2 joints at 45° STRATA REC.=100%	
		5:03					1 joint at 50° STRATA RQD=56%	
101.8	46.6						1 joint at 70°	
101.8	46.6	0:36/0.2 ft	2.2	2.2/2.2	0.5/2.2		1 joint at 0° 2 joints at 80°	
		4:10		100%	23%		1 joint at 90°	
		4:15						
99.6	48.8							

Coring Terminated at Elevation 99.6 ft

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