

**CORE BORING REPORT**

DATE: 04/23/2003

PROJECT: 6.529005T I.D. NO.: R-2610 B (2) BORING NO.: B1-A GEOLOGIST: Chris Baldwin  
 DESCRIPTION: Bridge on SBL US 421 (-L-) over Tick Creek SENIOR DRILLER: J.W. Gilchrist, Jr.  
 COUNTY: Chatham COLLAR ELEVATION: 138.02m TOTAL DEPTH: 10.98m DRILLING ASSISTANT: M.W. Renza

Elev. (m)	Depth (m)	Drill Rate min/0.3m	Run Length (m)	REC (m) %	RQD (m) %	Sample #	FIELD CLASSIFICATION AND REMARKS
134.67	3.35	5:48/0.31m	0.91	0.91/0.91	0.40/0.91		134.85m (3.35m)
		5:42		100%	44%		NCR - 3.35-7.16m Blueish gray, moderately severely to slightly weathered, moderately hard to hard Metamudstone and Meta-Argillite with a seam of weathered rock from 4.26 to 4.33 meters. Close to moderately close fracture spacing.
		5:43				RS-1	RS-1 4.11-4.21m, qu=49,655 kPa
133.76	4.26						SPT taken at 4.26-4.29m (N Value=50/3cm) Metamudstone and Meta-Argillite
133.73	4.29	5:49/0.32m	1.52	1.52/1.52	0.88/1.52		2 joints at 0° 1 joint at 20° 2 joints at 30° 3 joints at 40° 6 joints at 50° 1 joint at 60° 2 joints at 70° 2 joints at 80°
		5:46		100%	58%		STRATA REC.=100% STRATA RQD.=47%
		5:41					
		5:50					
		5:47					
132.21	5.81						STRATA BREAK
132.21	5.81	5:51/0.32m	1.52	1.52/1.52	0.49/1.52		130.86m (7.16m)
		5:47		100%	32%		
		5:43					
		5:50					
		5:49					
130.69	7.33						
130.69	7.33	5:47/0.32m	1.52	1.52/1.52	1.49/1.52		NCR - 7.16-10.98m Blueish gray, slightly weathered, hard Metamudstone and Meta-Argillite Close to wide fracture spacing.
		5:43		100%	98%	RS-2	RS-2 7.51-7.61m, qu = 40,119 kPa
		5:48					2 joints at 25° 2 joints at 30° 3 joints at 40° 4 joints at 50°
		5:49					STRATA REC.=95% STRATA RQD.=76%
		5:52					
129.17	8.85						
129.17	8.85	5:46/0.32m	1.52	1.52/1.52	1.00/1.52		2 joints at 70°
		5:41		100%	66%		
		5:39					
		5:47					
		5:43					
127.65	10.37						127.65m (10.37m)

Continued on Sheet 2

DRILLING EQUIPMENT:  
CMB - 550 ATV with automatic hammer.  
HOLE ADVANCEMENT:  
1. HSA from 0.00 - 3.35 meters using 8.26cm hollow stem augers.  
2. Cored using NQ3 w/SICB and a Series 2 diamond impregnated bit from 3.35 - 10.98 meters.

NOTES:

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127.65	10.37	5:42/0.31m	0.61	0.41/0.61	0.41/0.61		127.65m (10.37m)
		5:40		67%	67%		NCR - 7.16-10.98m Blueish gray, slightly weathered, hard Metamudstone and Meta-Argillite Close to wide fracture spacing. STRATA REC.=95% STRATA RQD.=76%
127.04	10.98						Coring terminated at elevation 127.04m

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2. Cored using NQ3 w/SICB and a Series 2 diamond impregnated bit from 3.35 - 10.98 meters.

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