

PROJECT NO.		ID.		FED. NO.		CO.		FIELD SUPERV.	
SITE DESCRIPTION Site 1: Bridge on SBL US 421 over AC&WR									
BORING NO.		BORING LOCATION		OFFSET		ALIGNMENT		GROUND WATER (m)	
B1-A		17+98.3		16.3m LT		-L-		0 HR. N/M	
COLLAR ELEV.		TOTAL DEPTH		NORTHING		EASTING		24 HR. 2.50	
83.61 m		19.46 m		200634.916		583113.273			
DRILL MACHINE		DRILL METHOD		HAMMER TYPE		FINAL CASING DEPTH		11.00 m	
CME 550x		HSA/NQ Wireline		Automatic					
DATE STARTED		COMPLETED		DRILLING FLUID DENSITY		SURFACE WATER DEPTH		N/A	
10/17/02		10/18/02		Pond Water					
CORE SIZE		TOTAL RUN		DRILLER					
NQ		6.81 m		J. White					
ELEV.	DEPTH	RUN	DRILL RATE	RUN		SAMP.	STRATA		DESCRIPTION AND REMARKS
(m)	(m)	(m)	(Min./0.3m)	REC. (%)	RQD (%)	NO.	REC. (%)	RQD (%)	
72.61									Begin Coring @ 72.61 m
72.61	11.00	0.61	11:06	(0.40) 66%	N/A		0.92 74%	N/A	Weathered Rock-Black and Grey-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Very Close Fracture Spacing 5 JTS @ 65-75° 2 JTS @ 10-20° 1 JT @ 85° Other Jts. Not Discernible
72.00	11.61		12:18			N=100/12			
71.88	11.73	1.40	11:31	(0.98) 70%	N/A				Residual-Grey-Black Carbonaceous Fine Sandy SILT (A-4)
			13:23				N/A	N/A	
			9:06						
			10:44				0.46 77%	N/A	Weathered Rock-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing and Thin Seams of Non-Crystalline Rock
70.48	13.13		6:31/0.18			N=100/14			Residual-Grey-Black Carbonaceous Fine Sandy SILT (A-4)
			7:00	(0.67) 49%	N/A		N/A	N/A	
			9:43						
			9:38				1.65 87%	N/A	Weathered Rock-Grey-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing and Thin Seams of Non-Crystalline Rock
			4:34						24 JTS @ 30-40° 5 JTS @ 0-10° 3 JTS @ 50-60° Other Jts. Not Discernible
68.96	14.65		2:45/0.16			N=100/24			
			4:27	(0.98) 77%	N/A				Coring Terminated at Elev. 64.40m in Weathered Rock (Triassic Mudstone)
68.72	14.89	1.28	6:19						
			6:25						

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B1-A		17+98.3		16.3m LT		-L-		0 HR. N/M	
COLLAR ELEV.		TOTAL DEPTH		NORTHING		EASTING		24 HR. 2.50	
83.61 m		19.46 m		200634.916		583113.273			
DRILL MACHINE		DRILL METHOD		HAMMER TYPE		FINAL CASING DEPTH		11.00 m	
CME 550x		HSA/NQ Wireline		Automatic					
DATE STARTED		COMPLETED		DRILLING FLUID DENSITY		SURFACE WATER DEPTH		N/A	
10/17/02		10/18/02		Pond Water					
CORE SIZE		TOTAL RUN		DRILLER					
NQ		6.81 m		J. White					
ELEV.	DEPTH	RUN	DRILL RATE	RUN		SAMP.	STRATA		DESCRIPTION AND REMARKS
(m)	(m)	(m)	(Min./0.3m)	REC. (%)	RQD (%)	NO.	REC. (%)	RQD (%)	
									Continued from previous page
			9:42						67.74 15.87
67.44	16.17		1:46/0.06			N=94	N/A	N/A	Residual-Hard Grey Fine Sandy SILT (A-4)
			2:46	(0.49) 46%	N/A				
			7:45						
			6:17				0.40 100%	N/A	Weathered Rock-Grey Severely Weathered Soft Friable Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing
66.99	16.62	1.07	3:09/0.15			N=59			66.41 17.20
									3 JTS @ 10-20° 2 JTS @ 30-40°
65.92	17.69						N/A	N/A	Residual-Hard Grey Fine Sandy SILT (A-4)
			1:00	(0.62) 58%	N/A				
			7:22						
			7:40				0.30 100%	N/A	Weathered Rock-Black Severely Weathered Soft Friable Carbonaceous Triassic Mudstone with Very Close Fracture Spacing
65.47	18.14	1.07	6:42/0.15						64.70 18.91
									4 JTS @ 30-40° 4 JTS @ 0-10° Other Jts. Not Discernible
64.40	19.21								64.40 19.21

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