

APPENDIX B.1

**GEOTECHNICAL BORING LOGS
(SOIL AND ROCK)**

NORTH ANNA COL

**DATA REPORT REV. 0
JANUARY 23, 2007**

MACTEC PROJECT NO. 6468-06-1472

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES			GROUP SYMBOLS	TYPICAL NAMES					
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)		GW	Well graded gravels, gravel - sand mixtures, little or no fines.	ROCK		WR	Weathered Rock				
		GRAVELS WITH FINES (Appreciable amount of fines)		GP	Poorly graded gravels or gravel - sand mixtures, little or no fines.			HR-WR	Hard Rock-Weathered Rock				
				GM	Silty gravels, gravel - sand - silt mixtures.			HR	Hard Rock				
				GC	Clayey gravels, gravel - sand - clay mixtures.								
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 Sieve Size)	CLEAN SANDS (Little or no fines)		SW	Well graded sands, gravelly sands, little or no fines.	WEATHERING		ROCK HARDNESS					
		SANDS WITH FINES (Appreciable amount of fines)		SP	Poorly graded sands or gravelly sands, little or no fines.	FRESH - Rock fresh, crystals bright, few joints may show slight staining, rock rings under hammer blows.		VERY HARD - Cannot be scratched by knife or pick, very hard blows with hammer required to break.					
				SM	Silty sands, sand - silt mixtures	VERY SLIGHT - Rock generally fresh, joints stained, may show thin clay coatings, crystals on a broken face shine brightly, rock rings under hammer blows.		HARD - Can be scratched by knife or pick only with difficulty, hard hammer blows required to break.					
		SANDS WITH FINES (Appreciable amount of fines)		SC	Clayey sands, sand - clay mixtures.	SLIGHT - Rock generally fresh, joints stained, discoloration extends into rock, joints may contain clay, some feldspar crystals are dull and discolored, rock rings under hammer blows.		MODERATELY HARD - Can be scratched by knife or pick, can be broken with moderate hammer blows.					
						MODERATE - Significant portions show discoloration and weathering effects, feldspar crystals dull and discolored, dull sound under hammer blows.		MEDIUM HARD - Can be grooved or gouged by knife or pick, breaks easily.					
					MODERATELY SEVERE - All rock except quartz discolored or stained, feldspars dull and discolored and show kaolinization, dull sound under hammer blows, severe loss of strength.		SOFT - Easily grooved or gouged by knife or pick, weak, small pieces maybe broken with finger pressure.						
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)			ML	Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts and with slight plasticity.	COMPLETE - Rock reduced to soil, may show rock fabric, quartz may be present as dikes or veins.		FRACTURE SPACING					
				CL	Inorganic lays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.	SEVERE - All rock except quartz discolored or stained, very severe loss in strength, some fragments of strong rock may remain.		VERY WIDE = > 10 feet					
				OL	Organic silts and organic silty clays of low plasticity.	VERY SEVERE - All rock except quartz discolored or stained, only fragments of strong rock remain, saprolitic.		WIDE = 3 to 10 feet					
	SILTS AND CLAYS (Liquid limit GREATER than 50)			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	Correlation of Penetration Resistance with Relative Density and Consistency		MODERATELY CLOSE = 1 to 3 feet					
				CH	Inorganic clays of high plasticity, fat clays	SAND & GRAVEL		CLOSE = 0.15 to 1 feet					
				OH	Organic clays of medium to high plasticity, organic silts.	No. of Blows		Relative Density		No. of Blows		Consistency	
			HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils.	< 4		Very Loose		< 2	
					4 - 10		Loose		2 - 4		Soft		
					10 - 30		Medium Dense		4 - 8		Medium Stiff		
					30 - 50		Dense		8 - 15		Stiff		
					> 50		Very Dense		15 - 30		Very Stiff		
									> 30		Hard		

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

SILT OR CLAY	SAND			GRAVEL		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		
	No.200	No.40	No.10	No.4	3/4"	3"	12"

U.S. STANDARD SIEVE SIZE

Reference: The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. 1, March, 1953 (Revised April, 1960)

▽

Water Table at time of drilling

▼

Water Table after 24 hours

Datum Reference Information

Horizontal - NAD 83(CORS96)(EPOCH:2002)
Elevation - NAVD88 (Geoid03)

KEY TO SYMBOLS AND DESCRIPTIONS

MACTEC

NORTH ANNA COL, Data Report Rev. 0, 1-23-07, 6468-06-1472

[illegible]

NORTH ANNA COL LORE NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL.GDT 1/19/07

NORTH ANNA COLLEGE NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL.GDT 1/19/07

NORTH ANNA COL BACK NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL.GDT 1/19/07



SHEET 5 OF 5

MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S.Lehman						
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)				
BORING NO. B-901		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/UD/CORE				0 HR. ND				
COLLAR ELEV. 309.4 ft (NAVD88)		NORTHING 3,909,778		US ft (NAD83)		EASTING 11,685,929		US ft (NAD83)		24 HR. 21.3				
TOTAL DEPTH 300.0 ft		DRILL MACHINE CME 45 Trailer				DRILLER: F. Cox/D. Rhodes				HAMMER TYPE 140 lbs Auto				
DATE STARTED 8/10/06				COMPLETED 8/25/06		CORE BARREL TYPE: HQ 3 triple tube-wireline								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100				
10.2					Continued from previous page									
													9.4	Boring and coring terminated at 300.0 ft in Hard Rock: Very hard, BIOTITE-QUARTZ GNEISS
														300.0



SHEET 1 OF 4

MACTEC PROJECT NO.: 6468-06-1472						COUNTY Louisa, VA				GEOLOGIST S. Lehman			
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)			
BORING NO. B-901			DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/UD/CORE				0 HR. ND		
COLLAR ELEV. 309.4 ft (NAVD88)			NORTHING 3,909,778		US ft (NAD83)		EASTING 11,685,929		US ft (NAD83)		24 HR. 21.3		
TOTAL DEPTH 300.0 ft			DRILL MACHINE CME 45 Trailer				DRILLER: F. Cox/D. Rhodes				HAMMER TYPE 140 lbs Auto		
DATE STARTED 8/10/06			COMPLETED 8/25/06				CORE BARREL TYPE: HQ 3 triple tube-wireline						
CORE SIZE HQ3			TOTAL RUN 256.7 ft										
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS			
										Begin Coring @ 43.3 ft			
266.1	43.3	0.7	5:40/0.7	(0.6)	(0.0)	1				266.1	Hard Rock: Light gray with orange Fe-oxide staining, moderately severe to moderate weathering, close to moderately close fracturing, medium to moderately hard, QUARTZ GNEISS with biotite	43.3	
265.4	44.0	1.0	6:40	86%	0%	2							
264.4	45.0	3.8	3:21 3:20 4:08	(0.8) 80%	(0.0) 0%	3					(1 joint at 30° with trace clay) (3 joints at 45° with trace clay and Fe stain) (7 joints at 45° with clay and Fe stain; 5 joints at 30° with clay; severe weathering along joints) (1 joint at 45° with Fe staining) (3 joints at 45° with Fe staining; 3 joints at 30° with trace clay and Fe staining)		
260.6	48.8		4:20/0.8	(3.3)	(0.9)								
259.4	50.0	1.2	1:02/0.2	87%	24%	4							
		5.0	5:20 4:56 3:26 3:48 3:20 3:05	(1.0) 83%	(1.0) 83%	UC-54.0'							
254.4	55.0			(4.9)	(3.8)	6					(Severely weathered from 56.8-57.1 ft; 2 joints at 45° with trace clay and Fe staining; 2 joints at 30° with clay and Fe staining; 1 joint at 70° with Fe staining)		
249.4	60.0	5.0	3:17 2:54 3:43 4:45 4:33	98%	76%					249.4		60.0	
		5.0	3:40 3:51 4:24 4:56 4:17	(5.0) 100%	(4.4) 88%	UCS-60.3'					Hard Rock: Light gray with orange Fe staining, slight weathering, close to moderately close fracturing, moderately hard, QUARTZ GNEISS with biotite (1 joint at 70°, 3 joints at 45°, and 3 joints at 30°-all with trace clay and Fe staining) (14 joints at 20-30° with clay and Fe staining)		
244.4	65.0			(4.2)	(2.0)	8							
		5.0	3:52 3:39 3:58 3:43 2:19	84%	40%								
239.4	70.0			(4.6)	(0.9)	9				239.4		70.0	
		4.7	3:35 4:16 3:25 2:50	98%	19%						Hard Rock: Light gray to dark gray with orange Fe staining, moderately severe to slight weathering, close fracturing, medium to moderately hard, QUARTZ-BIOTITE GNEISS grading into QUARTZ GNEISS with biotite at 73.8 ft (14 joints at 20-30° with trace clay and Fe staining) (8 joints at 20°, 2 joints at 45°, and 3 joints at 70°-all with trace clay and Fe staining)		
234.7	74.7		3:13/0.7	(5.3)	(2.1)	10							
		5.3	0:48/0.3 2:45 2:54 2:10 2:38 3:10	100%	40%								
229.4	80.0			(5.0)	(3.8)	11				229.4		80.0	
		5.0	3:20 3:46 3:20 3:39 3:34	100%	76%						Hard Rock: Light gray to dark gray with orange Fe stains, slight to very slight weathering, close to moderately close fracturing, moderately hard, QUARTZ GNEISS with biotite (2 joints at 30°, 1 joint at 50°, and 4 joints at 70°-all with trace clay and Fe staining) (3 joints at 60°, 1 joint at 45°, and 2 joints at 30°-all with Fe staining)		
224.4	85.0			(4.6)	(2.8)	12							
		5.0	2:56 2:54 3:38 3:55 4:50	92%	56%								
219.4	90.0			(5.0)	(2.7)	13					(2 joints at 80° with trace clay and Fe staining; 2 joints at 45° and 3 joints at 30° with Fe staining; moderate weathering along joints)		
		5.0	3:57 3:41 3:19 3:18 3:18	100%	54%								
214.4	95.0			(4.5)	(3.5)	UC-97.9'					(4 joints at 45° with Fe staining; 2 joints at 70° with trace clay and light Fe staining)		
		4.5	3:24 3:20 3:40 3:39	100%	78%								
209.9	99.5			(0.5)	(0.0)	15					(1 joint at 80° with trace clay)		
209.4	100.0	0.5	2:42/0.5	100%	0%	16					(2 joints at 80°, 2 joints at 60°, 2 joints at 45°, and 2 joints at 30°-all with trace clay and Fe staining)		
		5.0	3:40 2:44 3:30 3:14 2:45	100%	56%								
204.4	105.0			(0.6)	(0.0)	17				203.8	(1 joint at 80° with trace clay and Fe staining)	105.6	
202.9	106.5	1.5	3:06 3:20/0.5	40%	0%	18				201.9	Weathered Rock: Dark to light gray, severe weathering, QUARTZ GNEISS with biotite-No recovery from 105.6 to 106.0 ft (4 joints at 45° with clay and Fe staining)	107.6	
		3.5	2:21/0.5 3:40 4:04 3:11	(4.0) 114%	(2.2) 63%								
199.4	110.0			(2.0)	(0.7)	19				198.4	Hard Rock: Light to dark gray, moderate to slight weathering, close fracturing, moderately hard, QUARTZ GNEISS with biotite	111.0	
197.4	112.0	2.0	3:10 2:24	100%	35%	20				197.4	(4 joints at 30° with Fe staining)	112.0	
		3.0	2:56 4:13 1:57	(2.8) 93%	(0.9) 30%					195.4	Weathered Rock: Dark gray, severe weathering, QUARTZ GNEISS with biotite	114.0	
194.4	115.0			(4.2)	(2.4)	21				193.4	Hard Rock: Light gray, moderate weathering, close fracturing, moderately hard, QUARTZ-MUSCOVITE GNEISS with feldspar	116.0	
		5.0	5:26 3:12 2:01	84%	48%						Weathered Rock: light to dark gray, very severe weathering, close fracturing, medium hard, QUARTZ GNEISS with muscovite		

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SHEET 2 OF 4

MACTEC PROJECT NO.: 6468-06-1472						COUNTY Louisa, VA				GEOLOGIST S.Lehman			
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)			
BORING NO. B-901			DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/UD/CORE				0 HR. ND		
COLLAR ELEV. 309.4 ft (NAVD88)			NORTHING 3,909,778		US ft (NAD83)		EASTING 11,685,929		US ft (NAD83)		24 HR. 21.3		
TOTAL DEPTH 300.0 ft			DRILL MACHINE CME 45 Trailer				DRILLER: F. Cox/D. Rhodes				HAMMER TYPE 140 lbs Auto		
DATE STARTED 8/10/06				COMPLETED 8/25/06				CORE BARREL TYPE: HQ 3 triple tube-wireline					
CORE SIZE HQ3				TOTAL RUN 256.7 ft									
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS			
										Continued from previous page			
189.4	120.0		2:00 4:36							(2 joints at 70-80° with trace clay and Fe staining; 1 joint at 45° with trace clay)			
		3.0	5:40 3:48 5:20	(1.4) 47%	(0.0) 0%	22				189.4 188.4	Hard Rock: Light gray with orange Fe staining, slight weathering, moderately close fracturing, moderately hard, QUARTZ-MUSCOVITE GNEISS with feldspar (continued)		
186.4	123.0									186.4	Weathered Rock: Light gray to bluish gray, severely weathered, QUARTZ GNEISS with muscovite and feldspar		
184.4	125.0	2.0	6:27 3:24	(0.1) 5%	(0.0) 0%	23					(2 joints at 45° and 1 joint at 30° with clay)		
182.4	127.0	2.0	6:38 7:29	(1.4) 70%	(0.0) 0%	24				183.8	Hard Rock: Light gray to bluish gray, moderately severe to moderate weathering, close fracturing, moderately hard, QUARTZ GNEISS with muscovite and feldspar		
		3.0	7:28 5:20 3:38	(2.5) 83%	(1.9) 63%	UC-129.5'					Weathered Rock: Severely weathered, QUARTZ GNEISS with muscovite and feldspar-Very poor recovery		
179.4	130.0	5.0	3:21 3:16 4:54 4:57	(4.6) 92%	(2.5) 50%	26					(4 joints at 30° with trace clay and Fe staining)		
		5.0	4:55 4:18 3:31 4:06 3:26	(5.0) 100%	(4.8) 96%	27				174.4	Hard Rock: Light to dark gray with orange Fe staining, moderately severe to slight weathering, close to moderately close fracturing, moderately hard, BIOTITE-QUARTZ GNEISS and QUARTZ GNEISS with biotite		
174.4	135.0										(4 joints at 45° with trace clay and Fe staining)		
		5.0	4:05 3:45 3:42 3:46 3:06	(5.0) 100%	(4.7) 94%	29					(1 joint at 80°; 10 joints at 45° with clay and some Fe staining)		
169.4	140.0		2:58 3:14 3:16 4:04 4:03	(4.9) 98%	(4.9) 98%	28					Hard Rock: Light to dark gray, slight weathering to fresh, close to very wide fracturing, hard to very hard, BIOTITE-QUARTZ GNEISS with feldspar and trace magnetite		
		5.0									(1 joint at 80° and 1 joint at 45° with trace clay, slight weathering along joints)		
164.4	145.0										(1 joint at 30° with clay)		
		5.0									(1 joint at 65° with trace clay; 1 joint at 50° with weathered biotite)		
159.4	150.0												
		5.0	3:25 2:38 2:51 3:10 3:50	(5.0) 100%	(5.0) 100%	30					(1 joint at 45° with trace clay and weathered biotite; 1 joint at 80° with weathered biotite)		
154.4	155.0												
		5.0	3:25 2:23 2:45 2:25 2:32	(5.0) 100%	(5.0) 100%	31					-No Joints		
149.4	160.0												
		5.0	2:22 2:52 2:50 2:54 4:09	(5.0) 100%	(5.0) 100%	32					-No Joints		
144.4	165.0												
		5.0	5:53 5:10 3:18 3:28 3:24	(5.1) 102%	(5.1) 102%	33					-No Joints		
139.4	170.0												
		5.0	3:58 5:20 4:06 4:36 3:29	(5.0) 100%	(5.0) 100%	UCS-170.5'					(1 joint at 45° with trace Fe stain)		
134.4	175.0												
		5.0	5:08 4:34 4:10 3:51 4:09	(5.0) 100%	(5.0) 100%	35					-No Joints		
129.4	180.0												
		5.0	6:06 5:07 5:56 4:43 3:51	(5.0) 100%	(5.0) 100%	36					(2 joints at 70° with trace clay)		
124.4	185.0												
123.2	186.2	1.2	6:49 2:44/0.2	(1.2) 100%	(0.9) 75%	37					(1 joint at 15°)		
		3.8	1:02/0.8 4:44 4:10 5:05	(3.8) 100%	(3.8) 100%	38					(1 joint at 80° with trace clay)		
119.4	190.0												
		5.0	3:41 3:53	(5.0) 100%	(5.0) 100%	39					-No Joints		

NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL GDT 1/19/07



MACTEC PROJECT NO.: 6468-06-1472						COUNTY Louisa, VA			GEOLOGIST S. Lehman		
SITE DESCRIPTION NORTH ANNA COL									GROUND WATER (ft)		
BORING NO. B-901			DRILL METHOD: Mud Rotary/Core			SAMPLE METHODS: SPT/UD/CORE			0 HR. ND		
COLLAR ELEV. 309.4 ft (NAVD88)			NORTHING 3,909,778		US ft (NAD83)		EASTING 11,685,929		US ft (NAD83)		24 HR. 21.3
TOTAL DEPTH 300.0 ft			DRILL MACHINE CME 45 Trailer			DRILLER: F. Cox/D. Rhodes			HAMMER TYPE 140 lbs Auto		
DATE STARTED 8/10/06			COMPLETED 8/25/06			CORE BARREL TYPE: HQ 3 triple tube-wireline					
CORE SIZE HQ3			TOTAL RUN 256.7 ft								
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS	
										Continued from previous page	
114.4	195.0	5.0	4:28 4:42 3:55	(5.0)	(5.0)	40				Hard Rock: Light to dark gray, slight weathering to fresh, close to very wide fracturing, hard to very hard, BIOTITE-QUARTZ GNEISS with feldspar and trace magnetite (continued)	
			4:05 4:29 3:35 4:09 4:06	100%	100%					-No Joints	
109.4	200.0	5.0	4:29 4:45 5:48 5:38 5:58	(5.0)	(5.0)	41				-No Joints	
104.4	205.0	3.9	9:10 5:15 7:55 8:50/0.9	(3.9)	(3.9)	UC-208.5'				(1 joint at 70° with trace clay)	
100.5	208.9	1.1	1:18/0.1 5:48	(1.0)	(0.9)	43				-No Joints	
99.4	210.0	5.0	7:21 4:41 8:17 5:10 4:12	(5.0)	(5.0)	44				(1 joint at 45° with trace clay)	
94.4	215.0	3.8	5:05 4:07 4:49 4:43/0.8	(3.9)	(3.9)	45				-No Joints	
90.6	218.8	1.2	4:25	(1.0)	(1.0)	46				-No Joints	
89.4	220.0	5.0	0:30/0.2 5:56 5:27 4:07 4:06 3:53	(5.0)	(5.0)	47				(1 joint at 70-80° with Fe mineralization)	
84.4	225.0	5.0	3:06 3:37 4:07 4:51 4:30	(5.0)	(5.0)	48				-No Joints	
79.4	230.0	5.1	4:36 4:46 4:49 4:36 4:58/1.1	(5.1)	(5.1)	49				-No Joints	
74.3	235.1	4.9	8:13 8:16 6:06 8:29 8:08	(4.9)	(4.9)	50				-No Joints	
69.4	240.0	5.1	9:56 8:06 8:17 8:16 10:44/1.1	(5.1)	(5.1)	UC-240.5'				-No Joints	
64.3	245.1	5.0	17:21 17:38 6:56 7:54 4:37	(5.1)	(4.7)	52				(1 joint at 20-30°; 1 joint at 30-40° with chlorite)	
59.3	250.1	5.0	4:48 4:53 6:28 5:51 5:18	(5.0)	(5.0)	53				(1 joint at 65°)	
54.3	255.1	4.9	7:23 7:15 6:56 6:00 5:09/0.9	(4.9)	(4.9)	54				(1 joint at 45°)	
49.4	260.0	5.0	6:30 5:52 6:27 6:56 10:46	(5.0)	(5.0)	55				-No Joints	
44.4	265.0	5.0	14:33 14:42	(5.0)	(5.0)	56				(1 joint at 40°)	

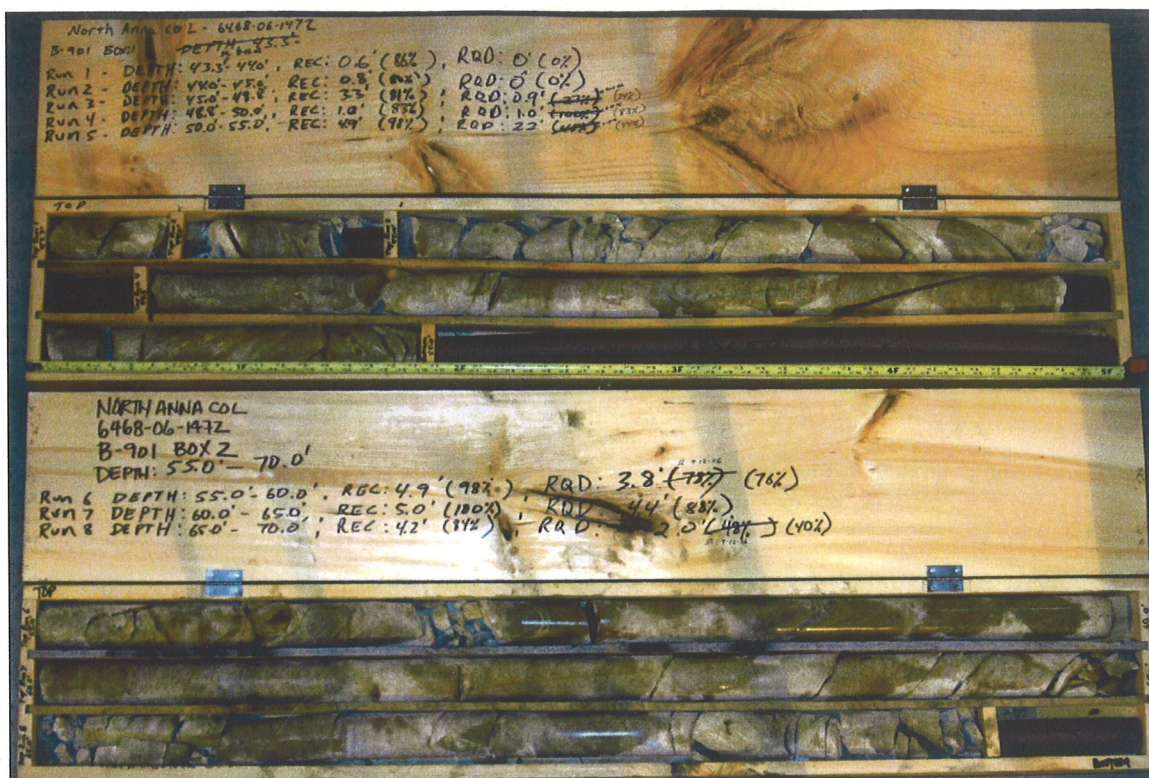
NORTH ANNA COL Core NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL.GDT 1/19/07



SHEET 4 OF 4

MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Lehman			
SITE DESCRIPTION NORTH ANNA COL								GROUND WATER (ft)			
BORING NO. B-901		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/UD/CORE				0 HR. ND	
COLLAR ELEV. 309.4 ft (NAVD88)		NORTHING 3,909,778		US ft (NAD83)		EASTING 11,685,929		US ft (NAD83)		24 HR. 21.3	
TOTAL DEPTH 300.0 ft		DRILL MACHINE CME 45 Trailer				DRILLER: F. Cox/D. Rhodes				HAMMER TYPE 140 lbs Auto	
DATE STARTED 8/10/06				COMPLETED 8/25/06				CORE BARREL TYPE: HQ 3 triple tube-wireline			
CORE SIZE HQ3				TOTAL RUN 256.7 ft							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS	
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %			
										Continued from previous page	
39.4	270.0	5.0	23:03 18:50 25:40	(5.0) 100%	(5.0) 100%	57				Hard Rock: Light to dark gray, slight weathering to fresh, close to very wide fracturing, hard to very hard, BIOTITE-QUARTZ GNEISS with feldspar and trace magnetite (continued) -No Joints	
34.4	275.0	5.0	33:30 4:48 4:35 4:49 5:29	(5.0) 100%	(5.0) 100%	58				-No Joints	
29.4	280.0	5.0	4:07 3:00 2:52 3:51 4:43	(5.0) 100%	(5.0) 100%	UCS-280.5				-No Joints	
24.4	285.0	5.0	4:21 3:57 5:12 6:05 4:46	(5.0) 100%	(5.0) 100%	60				-No Joints	
19.4	290.0	5.0	5:47 5:21 4:46 4:30 3:28	(5.0) 100%	(5.0) 100%	61				-No Joints	
14.4	295.0	5.0	5:27 5:20 6:42 4:50 5:47	(5.0) 100%	(5.0) 100%	62				-No Joints	
9.4	300.0	5.0	8:52 6:27 8:15 8:49 7:22	(4.9) 98%	(4.9) 98%					-No Joints	
										Coring terminated at 300.0 ft in Hard Rock: Very hard, BIOTITE-QUARTZ GNEISS	

NORTH ANNA COL Core NORTH ANNA COL DATA REPORT REV0.GPJ NORTH ANNA COL GDT 1/19/07



B-901 - Box 1

B-901 - Box 2



B-901 - Box 3

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