



MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Lehman			
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)	
BORING NO. B-943		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. 6.2	
COLLAR ELEV. 300.4 ft (NAVD88)		NORTHING 3,909,355		US ft (NAD83)		EASTING 11,683,892		US ft (NAD83)		24 HR. 4.2	
TOTAL DEPTH 101.9 ft		DRILL MACHINE CME 55LC Track				DRILLER: D. White				HAMMER TYPE 140 lbs Auto	
DATE STARTED 10/16/06			COMPLETED 10/17/06			CORE BARREL TYPE: HQ 3 triple tube-wireline					

ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
300.4					Ground Surface							300.4 0.0	
300.4	0.0	4	5	7						943-1		Sandy SILT (ML) light brownish gray (2.5Y 6/3), brown (7.5YR 4/4), and dark yellowish brown (2.5Y 4/4), moist, stiff and medium stiff to very stiff, trace clay, micaceous, relic rock fabric (Residual Soil)	
296.9	3.5	2	4	5						943-2			
294.4	6.0	2	3	2						943-3			
291.9	8.5	2	3	4						943-4			
289.4	11.0	5	7	14						943-5			
286.9	13.5	4	8	9						943-6			
281.3	19.1	12	50/0.3							943-7	280.8 19.6	Weathered Rock: Light brownish gray (2.5Y 6/2), moist, very dense, severely weathered, QUARTZ GNEISS	
276.3	24.1	50/0.0								943-8	276.3 24.1	Hard Rock: Light gray with orange Fe staining, moderately to slightly weathered, moderately hard, QUARTZ GNEISS with biotite	
											274.1 26.3	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
											271.2 29.2	Hard Rock: Light gray, slightly weathered, moderately hard, QUARTZ GNEISS with biotite	
											268.5 31.9	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
											253.7 46.7	Hard Rock: Light gray, moderately severe to slightly weathered, close to moderately close fracturing, soft to moderately hard, QUARTZ GNEISS with biotite	
											250.1 50.3	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
											243.5 56.9	Hard Rock: Light gray, moderately severe to very slightly weathered, close to moderately close fracturing, medium hard to hard, QUARTZ GNEISS with biotite	
													Hard Rock: Light gray, slightly weathered to fresh, close to moderately close fracturing, hard, QUARTZ GNEISS with biotite and trace pyrite

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-943		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. 6.2					
COLLAR ELEV. 300.4 ft (NAVD88)		NORTHING 3,909,355		US ft (NAD83)		EASTING 11,683,892		US ft (NAD83)		24 HR. 4.2					
TOTAL DEPTH 101.9 ft		DRILL MACHINE CME 55LC Track				DRILLER: D. White				HAMMER TYPE 140 lbs Auto					
DATE STARTED 10/16/06			COMPLETED 10/17/06			CORE BARREL TYPE: HQ 3 triple tube-wireline									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100	
225.6					Continued from previous page										
													223.1	77.3	Weathered Rock: No recovery-BIOTITE GNEISS
													220.1	80.3	Hard Rock: Dark gray, moderately weathered to fresh, close to moderately close fracturing, medium hard to hard, QUARTZ-BIOTITE GNEISS
													198.5	101.9	Boring and coring terminated at 101.9 ft in Hard Rock: Hard, QUARTZ-BIOTITE GNEISS

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MACTEC PROJECT NO.: 6468-06-1472							COUNTY Louisa, VA			GEOLOGIST S. Lehman		
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)		
BORING NO. B-943			DRILL METHOD: Mud Rotary/Core			SAMPLE METHODS: SPT/CORE				0 HR. 6.2		
COLLAR ELEV. 300.4 ft (NAVD88)			NORTHING 3,909,355		US ft (NAD83)		EASTING 11,683,892		US ft (NAD83)		24 HR. 4.2	
TOTAL DEPTH 101.9 ft			DRILL MACHINE CME 55LC Track				DRILLER: D. White			HAMMER TYPE 140 lbs Auto		
DATE STARTED 10/16/06				COMPLETED 10/17/06				CORE BARREL TYPE: HQ 3 triple tube-wireline				
CORE SIZE HQ3				TOTAL RUN 77.8 ft								
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS		
				REC. (%)	RQD (%)		REC. (%)	RQD (%)				
										Begin Coring @ 24.1 ft		
276.3	24.1	2.7	N=50/0.0 1:26	(0.9)	(0.0)	1				276.3	Hard Rock: Light gray with orange Fe staining, moderately to slightly weathered, moderately hard, QUARTZ GNEISS with biotite	
273.6	26.8		1:48	33%	0%					274.1	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
		5.1	1:36/0.7	(2.4)	(0.0)	2				271.2	Hard Rock: Light gray, slightly weathered, moderately hard, QUARTZ GNEISS with biotite	
			2:30	47%	0%					268.5	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
268.5	31.9		2:57									
		5.0	2:12/1.1	(5.0)	(5.0)	3				268.5	Hard Rock: Light gray, moderately severe to slightly weathered, close to moderately close fracturing, soft to moderately hard, QUARTZ GNEISS with biotite	
			2:10	100%	100%							
263.5	36.9		2:35									
		5.0	2:18			4						
			2:23									
258.5	41.9		2:40									
		5.0	2:49	(5.0)	(5.0)	4						
			2:33	100%	100%							
		5.0	2:32									
253.5	46.9		2:51									
		5.0	2:48	(4.8)	(3.3)	5						
			2:01	96%	66%							
		5.0	1:56									
253.5	46.9		2:06									
		5.0	2:15	(1.6)	(0.0)	6				253.7	Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
			1:58	32%	0%							
		5.0	3:38									
248.5	51.9		2:28	(1.6)	(0.0)	6				250.1	Hard Rock: Light gray, moderately severe to very slightly weathered, close to moderately close fracturing, medium hard to hard, QUARTZ GNEISS with biotite	
		5.0	2:24	(4.6)	(1.4)	7						
			2:20	92%	28%							
		5.0	1:52									
243.5	56.9		2:01	(4.9)	(3.7)	8				243.5	Hard Rock: Light gray, slightly weathered to fresh, close to moderately close fracturing, hard, QUARTZ GNEISS with biotite and trace pyrite	
		5.0	2:24	98%	74%							
		5.0	2:20	(5.0)	(4.8)	9						
			4:10	100%	96%							
238.5	61.9		3:19									
		5.0	3:05	(5.0)	(4.8)	9						
			3:30	100%	96%							
		5.0	3:15									
233.5	66.9		4:00	(5.0)	(4.3)	10						
			4:14	100%	86%							
		5.0	3:48									
228.5	71.9		3:47	(5.0)	(5.0)	11						
			3:42	100%	100%							
		5.0	3:52									
		5.0	3:05	(5.0)	(5.0)	11						
			3:28	100%	100%							
		5.0	4:36									
223.5	76.9		4:28	(2.0)	(1.6)	12				223.1	Weathered Rock: No recovery-BIOTITE GNEISS	
			3:34	40%	32%							
		5.0	5:49									
218.5	81.9		2:53	(5.0)	(4.7)	13				220.1	Hard Rock: Dark gray, moderately weathered to fresh, close to moderately close fracturing, medium hard to hard, QUARTZ-BIOTITE GNEISS	
			4:02	100%	94%							
		5.0	3:27									
			5:14	(5.0)	(4.7)	13						
		5.0	3:21	100%	94%							
213.5	86.9		3:24									
			2:57	(4.7)	(4.3)	14						
		5.0	2:34	94%	86%							
			2:41									
208.5	91.9		3:37	(4.9)	(4.4)	15						
			3:03	98%	88%							
		5.0	2:31									
			2:17	(4.9)	(4.7)	16						
203.5	96.9		2:59	98%	94%							
			4:24									
		5.0	4:21	(4.9)	(4.7)	16						
			4:11	98%	94%							
			4:49									
			3:59	(4.9)	(4.7)							
		5.0	2:29	98%	94%							

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



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SITE DESCRIPTION NORTH ANNA COL									GROUND WATER (ft)		
BORING NO. B-943			DRILL METHOD: Mud Rotary/Core			SAMPLE METHODS: SPT/CORE			0 HR. 6.2		
COLLAR ELEV. 300.4 ft (NAVD88)			NORTHING 3,909,355		US ft (NAD83)		EASTING 11,683,892		US ft (NAD83)		24 HR. 4.2
TOTAL DEPTH 101.9 ft		DRILL MACHINE CME 55LC Track			DRILLER: D. White			HAMMER TYPE 140 lbs Auto			
DATE STARTED 10/16/06			COMPLETED 10/17/06			CORE BARREL TYPE: HQ 3 triple tube-wireline					
CORE SIZE HQ3			TOTAL RUN 77.8 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) %			
			2:49							Continued from previous page	
198.5	101.9		2:46 2:26							Hard Rock: Dark gray, moderately weathered to fresh, close to moderately close fracturing, medium hard to hard, QUARTZ-BIOTITE GNEISS (continued) Coring terminated at 101.9 ft in Hard Rock: Hard, QUARTZ-BIOTITE GNEISS	

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



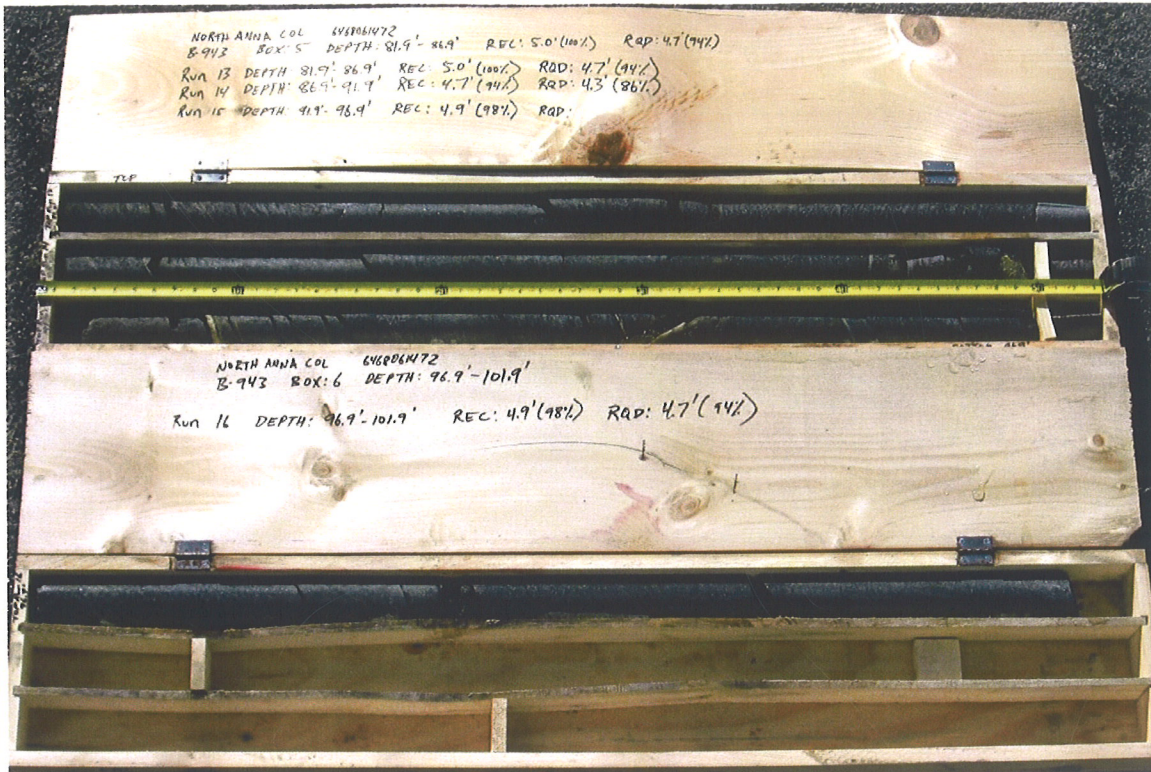
B-943 – Box 1

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B-943 – Box 4

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B-943 - Box 5
B-943 - Box 6



MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Nicely					
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)			
BORING NO. B-944		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. 7.1			
COLLAR ELEV. 334.7 ft (NAVD88)		NORTHING 3,908,772		US ft (NAD83)		EASTING 11,684,128		US ft (NAD83)		24 HR. 23.4			
TOTAL DEPTH 86.4 ft		DRILL MACHINE CME 550 ATV				DRILLER: F. Cox (Knoxville 550)				HAMMER TYPE 140 lbs Auto			
DATE STARTED 10/18/06		COMPLETED 10/20/06				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
334.7					Ground Surface							334.7	0.0
333.7	1.0	7	10	4						944-1		Silty CLAY (CL) yellowish red (5YR 4/6), moist, stiff, trace gravel (Fill)	3.0
331.4	3.3	9	14	16						944-2		Sandy GRAVEL (GP) yellowish red (5YR 5/8), moist, dense, trace silt and clay (Fill)	5.0
327.9	6.8	4	8	10						944-3		Sandy SILT (ML) reddish brown (5YR 5/4), moist, very stiff, contains root fragments (Fill)	8.0
326.2	8.5	7	6	9						944-4		Silty, fine to medium SAND (SM) reddish brown (5YR 5/4), moist, medium dense, trace clay (Fill)	
322.9	11.8	5	7	7						944-5			
321.1	13.6	3	7	10						944-6			
316.0	18.7	5	6	7						944-7			
311.2	23.5	6	7	8						944-8		Silty, fine to medium SAND (SM) brownish yellow (10YR 6/6) and white (10YR 8/1), moist, medium dense to dense (Residual Soil)	23.9
306.2	28.5	6	7	8						944-9			
301.2	33.5	10	18	23						944-10			
296.2	38.5	50/0.3								944-11		Weathered Rock: Yellow (10YR 7/6), yellowish brown (10YR 5/4), and light yellowish brown (10YR 6/4), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS	37.0
291.2	43.5	50/0.3								944-12			
286.2	48.5	38	50/0.3							944-13			
281.3	53.4	50/0.1								944-14		Hard Rock: Reddish brown and light gray, moderately severe to moderately weathered, very close to moderately close fracturing, soft to very hard, BIOTITE-QUARTZ GNEISS	53.5

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MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Nicely						
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)				
BORING NO. B-944		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. 7.1				
COLLAR ELEV. 334.7 ft (NAVD88)		NORTHING 3,908,772		US ft (NAD83)		EASTING 11,684,128		US ft (NAD83)		24 HR. 23.4				
TOTAL DEPTH 86.4 ft		DRILL MACHINE CME 550 ATV				DRILLER: F. Cox (Knoxville 550)				HAMMER TYPE 140 lbs Auto				
DATE STARTED 10/18/06			COMPLETED 10/20/06			CORE BARREL TYPE: HQ 3 triple tube-wireline								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
259.9					Continued from previous page									
													Hard Rock: Reddish brown and light gray, moderately severe to moderately weathered, very close to moderately close fracturing, soft to very hard, BIOTITE-QUARTZ GNEISS <i>(continued)</i>	
248.5	86.2													Weathered Rock: Light gray, severely weathered, very closely fractured, soft, BIOTITE-QUARTZ GNEISS
										944-15				Boring and coring terminated at 86.4 ft in Weathered Rock: Soft, severely weathered, BIOTITE-QUARTZ GNEISS
														86.4

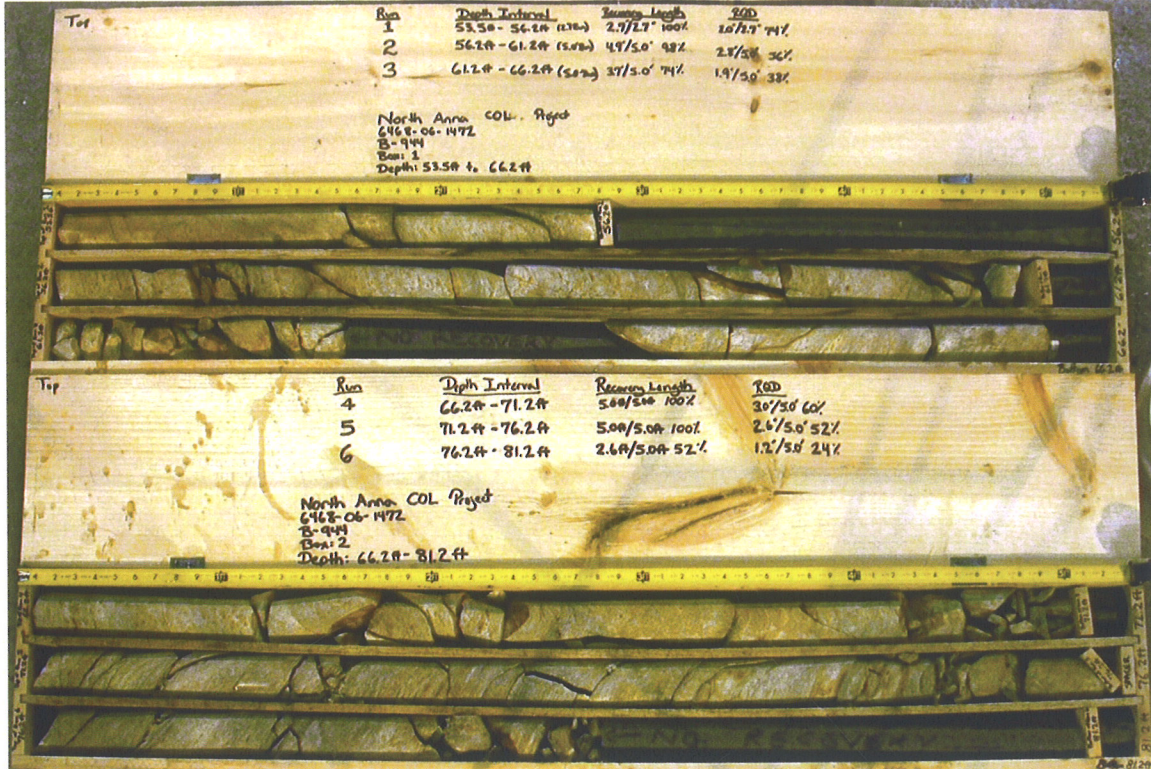
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MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Nicely			
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)	
BORING NO. B-944		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. 7.1	
COLLAR ELEV. 334.7 ft (NAVD88)		NORTHING 3,908,772		US ft (NAD83)		EASTING 11,684,128		US ft (NAD83)		24 HR. 23.4	
TOTAL DEPTH 86.4 ft		DRILL MACHINE CME 550 ATV				DRILLER: F. Cox (Knoxville 550)				HAMMER TYPE 140 lbs Auto	
DATE STARTED 10/18/06				COMPLETED 10/20/06				CORE BARREL TYPE: HQ 3 triple tube-wireline			
CORE SIZE HQ3				TOTAL RUN 32.7 ft							

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Begin Coring @ 53.5 ft
281.2	53.5	2.7	5.45	(2.7)	(2.0)	1				Hard Rock: Reddish brown and light gray, moderately severe to moderately weathered, very close to moderately close fracturing, soft to very hard, BIOTITE-QUARTZ GNEISS (2 joints at 20° with Fe and Mn stain; 1 joint at 60° with Fe stain) (7 joints at 60-70° with Fe and Mn stain; 2 joints at 40° with Fe stain; 7 joints at 20-30° with Fe stain) (2 joints at 10-15° with Fe and Mn stain) (4 joints at 40-50° with Fe and Mn stain; 1 joint at 90° with Fe and Mn stain; 5 joints at 70-80° with Fe and Mn stain) -Highly fractured throughout entire run (5 joints at 30° with Fe stain and clay; highly fractured, severely weathered zone from 79.2-91.2 ft)
278.5	56.2		2.57	100%	74%					
		5.0	2.18	(4.9)	(2.8)	2				
			2.47	98%	56%					
273.5	61.2		1.49							
		5.0	1.47							
			1.43							
268.5	66.2		1.18	(3.7)	(1.9)	3				
		5.0	1.25	74%	38%					
			1.25							
263.5	71.2		2.30	(5.0)	(3.0)	4				
		5.0	2.12	100%	60%					
			2.29							
258.5	76.2		2.01	(5.0)	(1.7)	5				
		5.0	2.14	100%	34%					
			2.12							
253.5	81.2		2.27							
		5.0	2.11							
			1.52	(2.6)	(1.2)	6				
			1.37	52%	24%					
251.9	82.8	1.6	1.10	(0.0)	(0.0)	7				
		3.4	1.17	0%	0%					
			1.45							
248.5	86.2		3.24	(0.6)	(0.0)	8				
			2.35	18%	0%					
			2:15/1.4							
										Coring terminated at 86.2 ft in Weathered Rock: Soft, severely weathered, BIOTITE-QUARTZ GNEISS

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



B-944 - Box 1
B-944 - Box 2



B-944 - Box 3



MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Nicely									
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)							
BORING NO. B-945		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. ND							
COLLAR ELEV. 281.5 ft (NAVD88)		NORTHING 3,910,136		US ft (NAD83)		EASTING 11,683,780		US ft (NAD83)		24 HR. ND							
TOTAL DEPTH 100.6 ft		DRILL MACHINE CME 550 ATV				DRILLER: G. Akins				HAMMER TYPE 140 lbs Auto							
DATE STARTED 10/25/06		COMPLETED 10/26/06				CORE BARREL TYPE: HQ 3 triple tube-wireline											
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100			
281.5					Ground Surface								281.5	0.0			
280.0	1.5										945-1				Silty, fine to coarse SAND (SM) pale brown (10YR 6/3), light yellowish brown (10YR 6/4), yellowish brown (10YR 5/8), light olive brown (2.5YR 5/4), and light yellowish brown (2.5YR 6/4), dry to wet, medium dense, micaceous (Residual Soil)		
278.3	3.2	4	7	7							945-2						
275.3	6.2	6	6	7							945-3						
273.2	8.3	6	8	8							945-4						
270.2	11.3	5	7	7							945-5						
267.1	14.4	5	5	8							945-6						
262.1	19.4	5	7	7							945-7						
257.1	24.4	5	6	8							945-8						
252.1	29.4	5	6	8							945-9						
247.1	34.4	5	7	8							945-10						
242.1	39.4	5	7	9							945-11						
237.1	44.4	7	10	13							945-12						
232.1	49.4	8	11	13							945-13						
227.1	54.4	10	15	15							945-14						
222.1	59.4	31	50/0.4								945-15						
		50/0.1															
															228.0	53.5	Weathered Rock: Light yellowish brown (2.5YR 6/4), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS
															221.0	60.5	Hard Rock: Light gray, moderately to slightly weathered, very close to close fracturing, medium hard to very hard, BIOTITE-QUARTZ GNEISS
															210.6	70.9	Hard Rock: Light gray, slightly weathered to fresh, very close to wide fracturing, very hard, BIOTITE-QUARTZ GNEISS

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



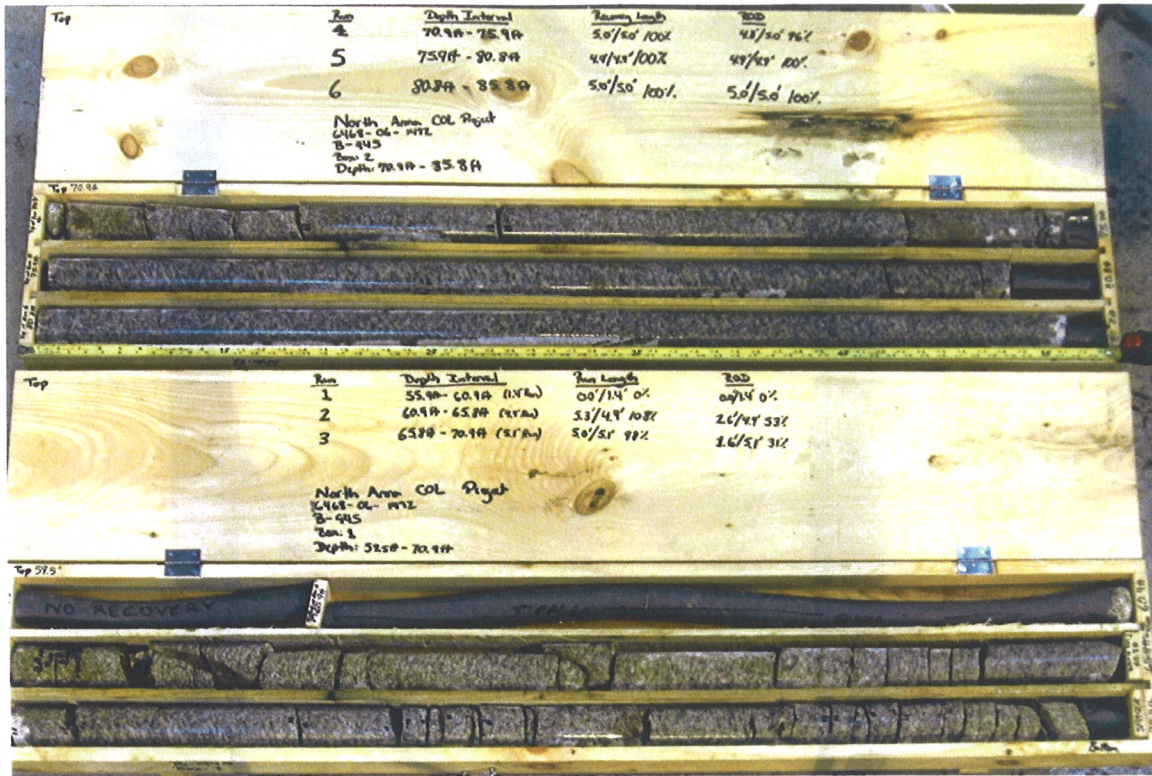
MACTEC PROJECT NO.: 6468-06-1472				COUNTY Louisa, VA				GEOLOGIST S. Nicely							
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)					
BORING NO. B-945		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. ND					
COLLAR ELEV. 281.5 ft (NAVD88)		NORTHING 3,910,136		US ft (NAD83)		EASTING 11,683,780		US ft (NAD83)		24 HR. ND					
TOTAL DEPTH 100.6 ft		DRILL MACHINE CME 550 ATV				DRILLER: G. Akins				HAMMER TYPE 140 lbs Auto					
DATE STARTED 10/25/06			COMPLETED 10/26/06			CORE BARREL TYPE: HQ 3 triple tube-wireline									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100	
206.7					Continued from previous page										
													Hard Rock: Light gray, slightly weathered to fresh, very close to wide fracturing, very hard, BIOTITE-QUARTZ GNEISS (continued)		
													180.9	100.6	Boring and coring terminated at 100.6 ft in Hard Rock: Very hard, BIOTITE-QUARTZ GNEISS

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



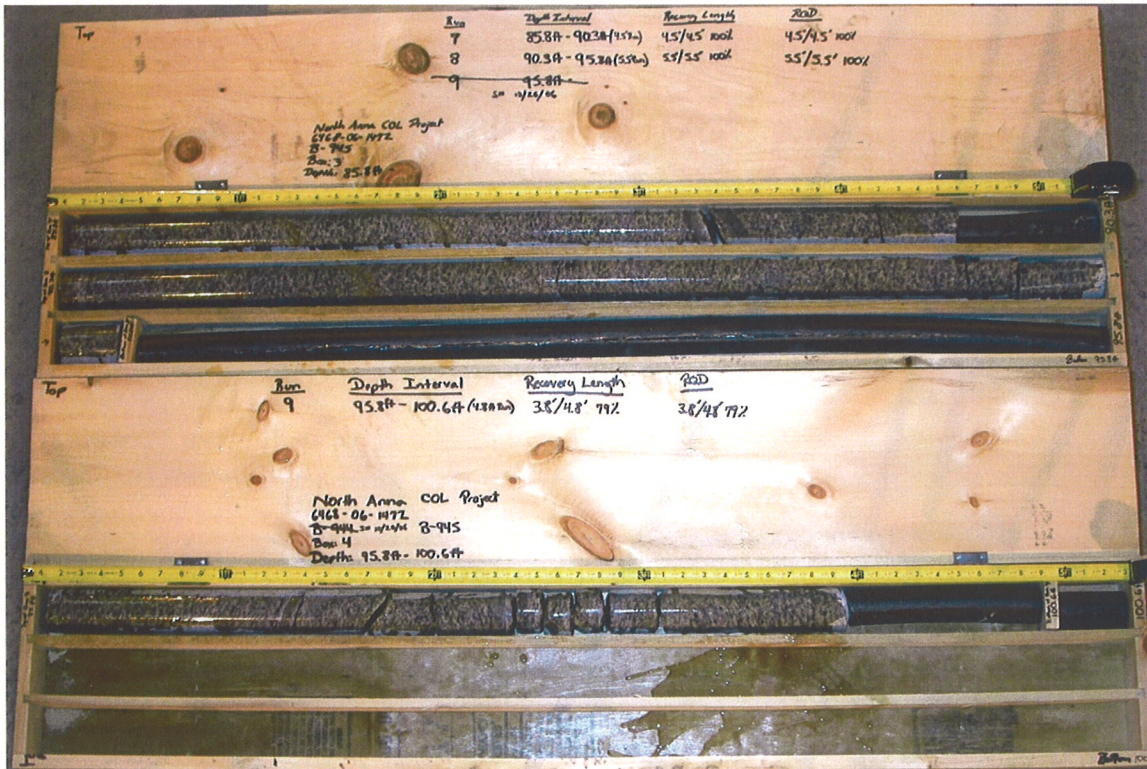
MACTEC PROJECT NO.: 6468-06-1472						COUNTY Louisa, VA			GEOLOGIST S. Nicely		
SITE DESCRIPTION NORTH ANNA COL										GROUND WATER (ft)	
BORING NO. B-945		DRILL METHOD: Mud Rotary/Core				SAMPLE METHODS: SPT/CORE				0 HR. ND	
COLLAR ELEV. 281.5 ft (NAVD88)		NORTHING 3,910,136		US ft (NAD83)		EASTING 11,683,780		US ft (NAD83)		24 HR. ND	
TOTAL DEPTH 100.6 ft		DRILL MACHINE CME 550 ATV				DRILLER: G. Akins			HAMMER TYPE 140 lbs Auto		
DATE STARTED 10/25/06			COMPLETED 10/26/06			CORE BARREL TYPE: HQ 3 triple tube-wireline					
CORE SIZE HQ3			TOTAL RUN 41.1 ft								
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	LOG	DESCRIPTION AND REMARKS	
										Begin Coring @ 59.5 ft	
222.0	59.5	1.4	0:44/1.4	(0,0)	(0,0)	1				221.0	Weathered Rock: Light yellowish brown (2.5YR 6/4), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS (continued)
220.6	60.9	4.9	0:57 0:58 1:04 1:03 1:53/0.9	(5,3)	(2,6)	2					-No Recovery
215.7	65.8	5.1	1:44 1:57 2:27 2:04 1:53/1.1	(5,0)	(1,6)	3					Hard Rock: Light gray, moderately to slightly weathered, very close to close fracturing, medium hard to very hard, BIOTITE-QUARTZ GNEISS (5 joints at 10-20° with Fe staining; 2 joints at 60-70° with little clay and Fe staining) (3 joints at 60-70° with Fe stain; 2 joints at 20° with little Fe stain)
210.6	70.9	5.0	1:54 2:15 2:25 2:05 2:03	(5,0)	(4,8)	4				210.6	Hard Rock: Light gray, slightly weathered to fresh, very close to wide fracturing, very hard, BIOTITE-QUARTZ GNEISS (2 joints at 70° with Fe and Mn stain)
205.6	75.9	4.9	4:52 4:53 5:22 6:23 5:47/0.9	(4,9)	(4,9)	5					-No Joints
200.7	80.8	5.0	5:36 5:17 3:49 4:33 6:03	(5,0)	(5,0)	6					-No Joints
195.7	85.8	4.5	6:05 6:02 5:58 8:28 6:28/0.5	(4,5)	(4,5)	7					(1 joint at 15°, 1 joint at 25°)
191.2	90.3	5.5	2:50 3:55 3:04 4:14 4:54 2:57/0.5	(5,5)	(5,5)	8					-No Joints
185.7	95.8	4.8	3:57 4:04 3:19 3:39 5:33/0.8	(3,8)	(3,8)	9					-Unable to retrieve bottom 1 ft of run
180.9	100.6									180.9	Coring terminated at 100.6 ft in Hard Rock: Very hard, BIOTITE-QUARTZ GNEISS
											100.6

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



B-945 - Box 2

B-945 - Box 1



B-945 - Box 3

B-945 - Box 4