GEOTECHNICAL BORING LOG

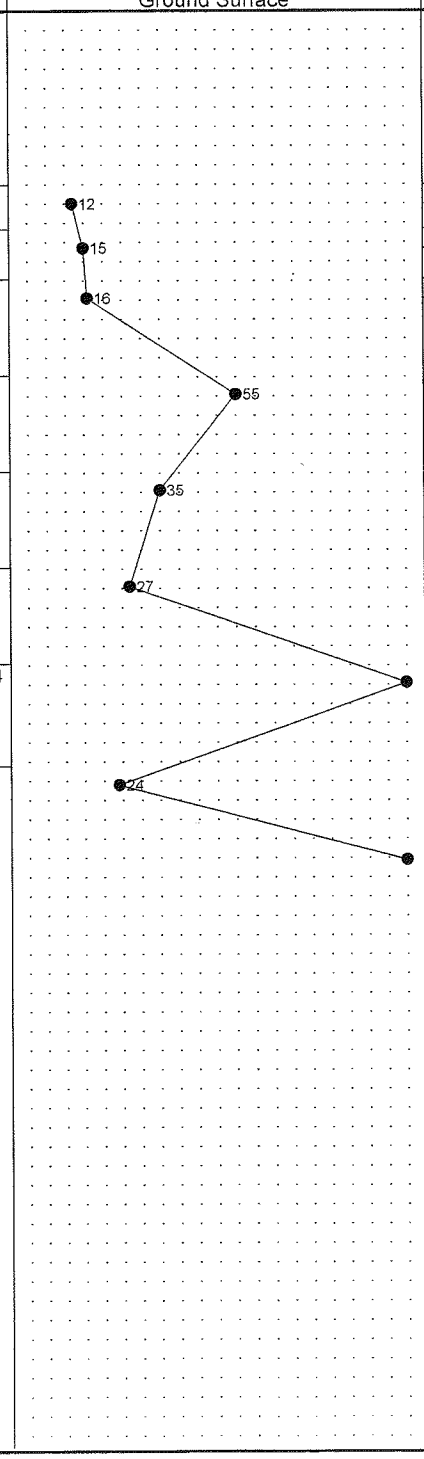
MACTEC

MACTEC PROJECT NO.: 6468-06-1472	**COUNTY** Louisa, VA	**GEOLOGIST** S. Lehman/B. Deobald
SITE DESCRIPTION NORTH ANNA COL		**GROUND WATER (ft)**
BORING NO. B-934	**DRILL METHOD:** Mud Rotary/Core	**SAMPLE METHODS:** SPT/CORE
COLLAR ELEV. 294.8 ft (NAVD88)	**NORTHING** 3,909,860 US ft (NAD83)	**EASTING** 11,685,686 US ft (NAD83)
TOTAL DEPTH 101.6 ft	**DRILL MACHINE** CME 55LC Track	**DRILLER:** D. White
DATE STARTED 10/26/06	**COMPLETED** 10/30/06	**CORE BARREL TYPE:** HQ 3 triple tube-wireline

0 HR.	ND
24 HR.	19.3
HAMMER TYPE 140 lbs Auto	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
294.8								Ground Surface	294.8 / 0.0
								No samples due to utility clearance operations-soft dig/vac. truck excavation	
285.8	9.0								286.2 / 8.6
283.5	11.3	8	6	6	934-1			Silty, fine SAND (SM) strong brown (7.5YR 5/6), moist, medium dense (Residual Soil)	283.8 / 11.0
280.9	13.9	6	7	8	934-2			Fine to medium SAND (SP), light olive brown (2.5Y 5/6), yellowish brown (2.5Y 6/4) to light yellowish brown (10YR 6/4), moist, medium dense to very dense, silty, relict rock fabric (Residual Soil)	
275.9	18.9	4	7	9	934-3				
270.9	23.9	35	40	15	934-4				
265.9	28.9	13	18	17	934-5				
260.9	33.9	12	14	13	934-6				
255.6	39.2	27	49	50/0.4	934-7				257.8 / 37.0
								Silty, fine to medium SAND (SM) olive yellow (2.5Y 6/6), moist, medium dense, strong rock fabric (Residual Soil)	
250.9	43.9	13	12	12	934-8				252.8 / 42.0
								Weathered Rock: No recovery-QUARTZ GNEISS with biotite	
		50/0.2			934-9				249.2 / 45.6
								Hard Rock: Light gray with orange Fe staining, moderately severe to moderately weathered, close fracturing, medium to moderately hard, QUARTZ GNEISS with biotite	248.2 / 46.6
								Weathered Rock: No recovery-QUARTZ GNEISS with biotite	246.4 / 48.4
								Hard Rock: Light gray to gray, moderately weathered to fresh, moderately close to wide fracturing, moderately hard to hard, QUARTZ GNEISS with biotite	
								Hard Rock: Light gray with orange Fe staining, slightly weathered to fresh, close to wide fracturing, hard to very hard, QUARTZ-BIOTITE GNEISS	228.3 / 66.5

BLOWS PER FOOT (0, 20, 40, 60, 80, 100)



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

GEOTECHNICAL BORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	COUNTY Louisa, VA	GEOLOGIST S. Lehman/B. Deobald	
SITE DESCRIPTION NORTH ANNA COL			GROUND WATER (ft)
BORING NO. B-934	DRILL METHOD: Mud Rotary/Core	SAMPLE METHODS: SPT/CORE	0 HR. ND
COLLAR ELEV. 294.8 ft (NAVD88)	NORTHING 3,909,860 US ft (NAD83)	EASTING 11,685,686 US ft (NAD83)	24 HR. 19.3
TOTAL DEPTH 101.6 ft	DRILL MACHINE CME 55LC Track	DRILLER: D. White	HAMMER TYPE 140 lbs Auto
DATE STARTED 10/26/06	COMPLETED 10/30/06	CORE BARREL TYPE: HQ 3 triple tube-wireline	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
220.0					Continued from previous page				
									Hard Rock: Light gray with orange Fe staining, slightly weathered to fresh, close to wide fracturing, hard to very hard, QUARTZ-BIOTITE GNEISS *(continued)*
	193.2								101.6
									Boring and coring terminated at 101.6 ft in Hard Rock: Very hard, QUARTZ-BIOTITE GNEISS

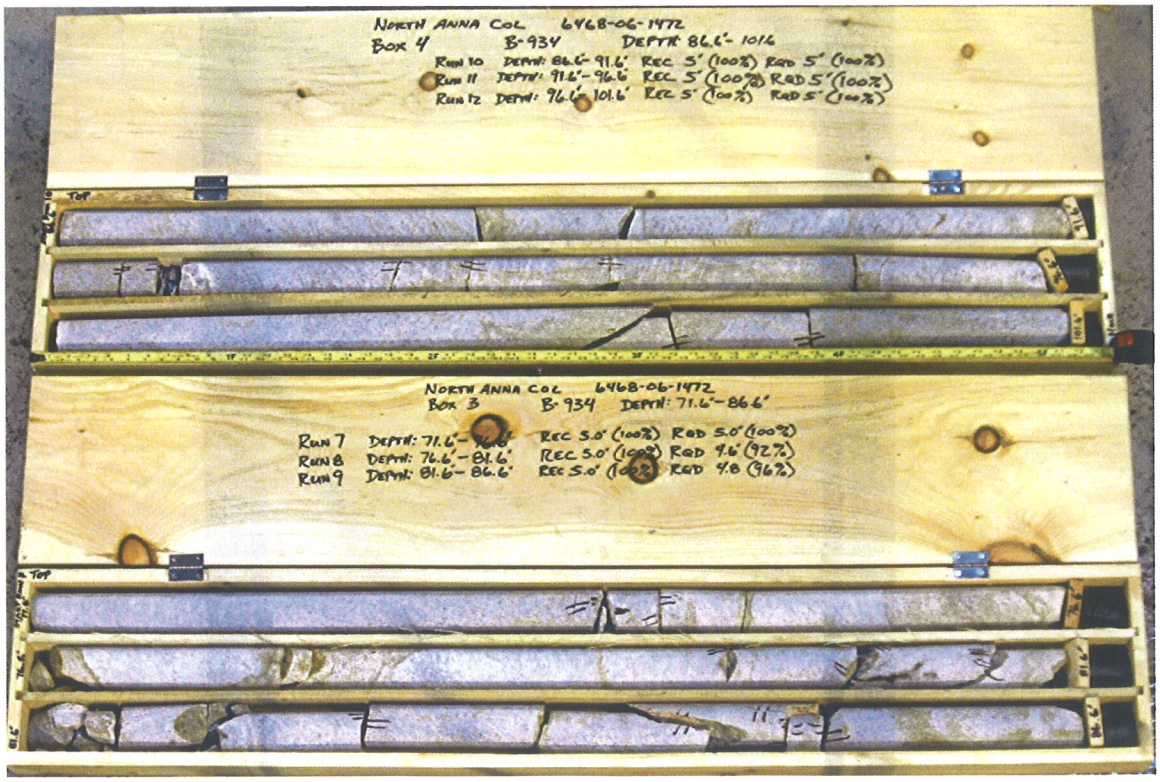
GEOTECHNICAL CORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	**COUNTY** Louisa, VA	**GEOLOGIST** S. Lehman/B. Deobald
SITE DESCRIPTION NORTH ANNA COL		**GROUND WATER (ft)**
BORING NO. B-934	**DRILL METHOD:** Mud Rotary/Core	**SAMPLE METHODS:** SPT/CORE — **0 HR.** ND
COLLAR ELEV. 294.8 ft **(NAVD88)**	**NORTHING** 3,909,860 **US ft (NAD83)**	**EASTING** 11,685,686 **US ft (NAD83)** — **24 HR.** 19.3
TOTAL DEPTH 101.6 ft	**DRILL MACHINE** CME 55LC Track	**DRILLER:** D. White — **HAMMER TYPE** 140 lbs Auto
DATE STARTED 10/26/06	**COMPLETED** 10/30/06	**CORE BARREL TYPE:** HQ 3 triple tube-wireline
CORE SIZE HQ3	**TOTAL RUN** 57.5 ft	

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 44.1 ft
250.7 248.2	44.1 46.6	2.5	0:37 1:02 1:02/0.5	(1.0) 40%	(0.9) 36%	1				249.2 Weathered Rock: No recovery-QUARTZ GNEISS with biotite *(continued)* 248.2 -No Joints (45.6) 246.4 Hard Rock: Light gray with orange Fe staining, moderately severe to moderately weathered, close fracturing, medium to moderately hard, QUARTZ GNEISS with biotite (46.6) (48.4)
243.2	51.6	5.0	1:24 0:46 2:30 5:09 4:33	(3.2) 64%	(2.7) 54%	2				Weathered Rock: No recovery-QUARTZ GNEISS with biotite (1 joint at 20° slightly weathered; Quartz vein at 60° at 49.1 ft)
238.2	56.6	5.0	4:15 4:30 3:55 3:22 2:48	(5.0) 100%	(4.6) 92%	3				Hard Rock: Light gray to gray, moderately weathered to fresh, moderately close to wide fracturing, moderately hard to hard, QUARTZ GNEISS with biotite (1 joint at 45° with Fe stain; multiple fracture zone with Fe staining at 55.3-55.9 ft)
233.2	61.6	5.0	3:15 4:12 4:35 5:54 6:06	(5.0) 100%	(4.8) 96%	4				(3 joints at 20-30° moderately to slightly weathered with Fe staining)
228.3	66.5	4.9	7:09 10:00 10:54 10:03 4:34/0.9	(4.9) 100%	(4.5) 92%	5				(1 joint at 60°, 3 joints at 20-30°-all moderately weathered and Fe stained) 228.3 (66.5)
223.2	71.6	5.1	3:05 3:45 3:40 3:30 4:50/1.1	(5.1) 100%	(4.8) 94%	6				Hard Rock: Light gray with orange Fe staining, slightly weathered to fresh, close to wide fracturing, hard to very hard, QUARTZ-BIOTITE GNEISS (3 joints at 10°, 1 joint at 30°, 1 joint at 80°-all with Fe stain)
218.2	76.6	5.0	5:20 8:55 14:34 2:30 1:55	(5.0) 100%	(5.0) 100%	7				(1 joint at 5°, 1 joint at 20° both with Fe stain)
213.2	81.6	5.0	1:55 2:20 2:55 3:45 5:30	(5.0) 100%	(4.6) 92%	8				(1 joint at 40° and 3 joints at 60° with orange Fe stain)
208.2	86.6	5.0	2:50 3:51 3:25 4:20 5:25	(5.0) 100%	(4.8) 96%	9				(1 joint at 10° with Fe stain)
203.2	91.6	5.0	7:50 10:10 2:30 3:00 3:35	(5.0) 100%	(5.0) 100%	10				(1 joint at 10°)
198.2	96.6	5.0	3:50 5:25 6:10 8:10 10:40	(5.0) 100%	(5.0) 100%	11				(1 joint at 0° slightly weathered and Fe stain)
193.2	101.6	5.0	1:15 3:00 2:45 3:35 5:00	(5.0) 100%	(5.0) 100%	12				(1 joint at 45° slightly weathered and Fe stain) 193.2 (101.6) Coring terminated at 101.6 ft in Hard Rock: Very hard, QUARTZ-BIOTITE GNEISS

B-934 – Box 1
B-934 – Box 2



B-934 – Box 4
B-934 – Box 3

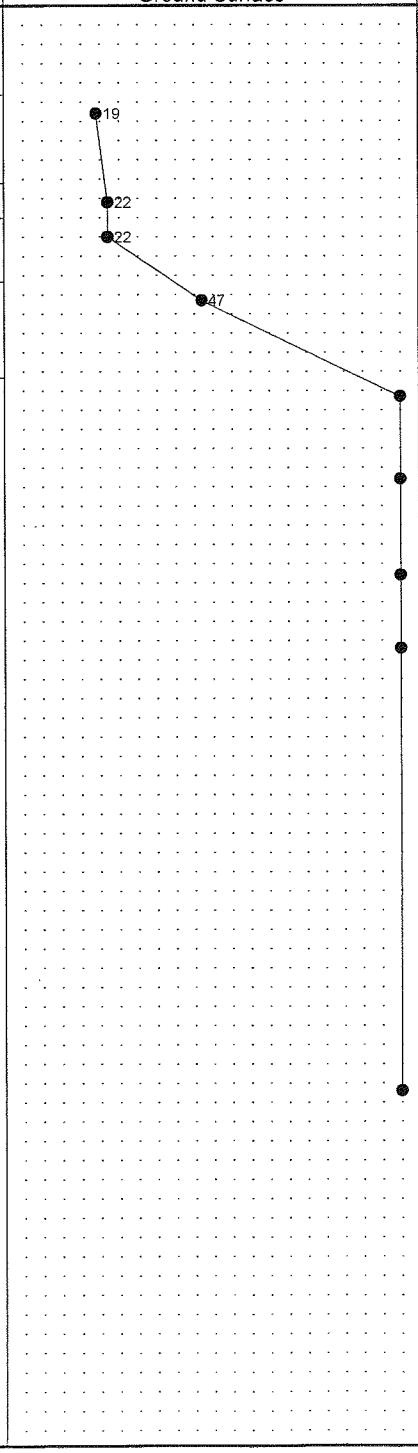
GEOTECHNICAL BORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	**COUNTY** Louisa, VA	**GEOLOGIST** J. Wallen
SITE DESCRIPTION NORTH ANNA COL		**GROUND WATER (ft)**
BORING NO. B-936	**DRILL METHOD:** Mud Rotary/Core	**SAMPLE METHODS:** SPT/CORE	**0 HR.** 28.0
COLLAR ELEV. 286.6 ft (NAVD88)	**NORTHING** 3,910,746 US ft (NAD83)	**EASTING** 11,685,929 US ft (NAD83)	**24 HR.** 24.0
TOTAL DEPTH 100.7 ft	**DRILL MACHINE** CME 550 ATV	**DRILLER:** G. Akins	**HAMMER TYPE** 140 lbs Auto
DATE STARTED 11/6/06	**COMPLETED** 11/7/06	**CORE BARREL TYPE:** HQ 3 triple tube-wireline	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	SAMP. NO.	SOIL AND ROCK DESCRIPTION	
286.6						Ground Surface	286.6 / 0.0
282.0	4.6					No samples due to utility clearance operations-soft dig/vac. truck excavation	282.0 / 4.6
277.4	9.2	9	8	11	936-1	Silty GRAVEL (GM) brownish yellow (10YR 6/8), moist, medium dense, fine to coarse sandy (Residual Soil)	280.1 / 6.5
275.6	11.0	5	10	12	936-2	Silty, fine to coarse SAND (SM) yellowish brown (10YR 5/6&5/4), moist, medium dense to very dense, relict rock fabric (Residual Soil)	
272.3	14.3	7	10	12	936-3		
267.3	19.3	13	19	28	936-4		
262.3	24.3	19	38	50/0.4	936-5	Weathered Rock: Dark yellowish brown (10YR 4/6) and light brownish gray (2.5Y 6/2), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS	266.3 / 20.3
257.3	29.3	50/0.3			936-6		
253.4	33.2	50/0.3			936-7		
230.5	56.1	50/0.2			936-8	Hard Rock: Gray, moderately severe to slightly weathered, very close to close fracturing, hard, BIOTITE-QUARTZ GNEISS	253.1 / 33.5
		50/0.3			936-9	Weathered Rock: No recovery-Very dark yellowish brown (10YR 3/4), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS	237.6 / 49.0
						Hard Rock: Dark gray to gray, moderately severe to slightly weathered, very close to close fracturing, soft to hard, BIOTITE-QUARTZ GNEISS with severely weathered zones	226.2 / 60.4

BLOWS PER FOOT (0, 20, 40, 60, 80, 100)



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

GEOTECHNICAL BORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	COUNTY Louisa, VA	GEOLOGIST J. Wallen	
SITE DESCRIPTION NORTH ANNA COL			GROUND WATER (ft)
BORING NO. B-936	DRILL METHOD: Mud Rotary/Core	SAMPLE METHODS: SPT/CORE	0 HR. 28.0
COLLAR ELEV. 286.6 ft (NAVD88)	NORTHING 3,910,746 US ft (NAD83)	EASTING 11,685,929 US ft (NAD83)	24 HR. 24.0
TOTAL DEPTH 100.7 ft	DRILL MACHINE CME 550 ATV	DRILLER: G. Akins	HAMMER TYPE 140 lbs Auto
DATE STARTED 11/6/06	COMPLETED 11/7/06	CORE BARREL TYPE: HQ 3 triple tube-wireline	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
211.8					Continued from previous page				
									Hard Rock: Dark gray to gray, moderately severe to slightly weathered, very close to close fracturing, soft to hard, BIOTITE-QUARTZ GNEISS with severely weathered zones *(continued)*
									196.2 — 90.4
									Hard Rock: Gray, moderately to slightly weathered, very close to close fracturing, hard to very hard, BIOTITE-QUARTZ GNEISS
									185.9 — 100.7
									Boring and coring terminated at 100.7 ft in Hard Rock: Hard to very hard, BIOTITE-QUARTZ GNEISS

GEOTECHNICAL CORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	COUNTY Louisa, VA	GEOLOGIST J. Wallen
SITE DESCRIPTION NORTH ANNA COL		GROUND WATER (ft)
BORING NO. B-936	DRILL METHOD: Mud Rotary/Core	SAMPLE METHODS: SPT/CORE
COLLAR ELEV. 286.6 ft (NAVD88)	NORTHING 3,910,746 US ft (NAD83)	EASTING 11,685,929 US ft (NAD83)
TOTAL DEPTH 100.7 ft	DRILL MACHINE CME 550 ATV	DRILLER: G. Akins
DATE STARTED 11/6/06	COMPLETED 11/7/06	CORE BARREL TYPE: HQ 3 triple tube-wireline
CORE SIZE HQ3	TOTAL RUN 66.9 ft	

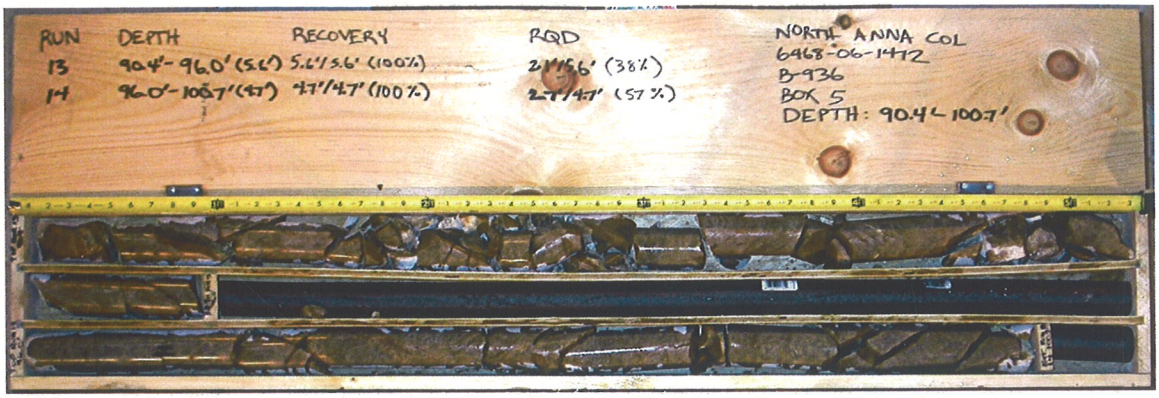
GROUND WATER (ft)	
0 HR.	28.0
24 HR.	24.0

HAMMER TYPE 140 lbs Auto

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 33.5 ft
253.1	33.5	2.6	1:25/0.6 3:10 2:48	(2.1) 81%	(0.0) 0%	1				253.1 — 33.5 Hard Rock: Gray, moderately severe to slightly weathered, very close to close fracturing, hard, BIOTITE-QUARTZ GNEISS -Highly fractured
250.5	36.1	4.2	3:14 2:56 2:38 2:595	(4.0) 95%	(0.5) 12%	2				-Highly fractured
246.3	40.3	5.7	2:40/0.2 2:14 1:45 1:51 0:59 1:38 1:05/0.7	(4.7) 82%	(0.5) 9%	3				-Highly fractured
240.6	46.0	5.0	1:10 1:53 2:55 3:39/2.0	(3.0) 60%	(0.7) 14%	4				-Highly fractured 237.6 — 49.0
235.6	51.0	5.1	5:40/2.0 3:44 2:23 3:12/1.1	(0.0) 0%	(0.0) 0%	5				Weathered Rock: No recovery-Very dark yellowish brown (10YR 3/4), moist, very dense, severely weathered, BIOTITE-QUARTZ GNEISS -No Recovery
230.5	56.1	4.7	N=50/0.3 3:45/0.7 3:08 1:41 1:52 1:19	(0.7) 15%	(0.0) 0%	936-9 6				(1 joint at 80°) 226.2 — 60.4
230.2	56.4	5.0	2:19 2:42 2:16/2.0 1:06	(1.8) 36%	(0.3) 6%	7				Hard Rock: Dark gray to gray, moderately severe to slightly weathered, very close to close fracturing, soft to hard, BIOTITE-QUARTZ GNEISS with severely weathered zones -Highly fractured
225.5	61.1	5.1	1:41 0:56 0:42 0:52 1:08/1.1	(2.5) 49%	(1.0) 20%	8				(5 joints at 60°)
220.5	66.1	4.9	1:29 1:24 1:23 1:52 1:38/0.9	(1.8) 37%	(0.4) 8%	9				-Highly fractured
215.4	71.2	5.0	2:01 2:09 0:45 0:58 1:37	(3.3) 66%	(0.7) 14%	10				(3 joints at 60°, 2 joints at 30°)
210.5	76.1	5.0	1:20 1:54 1:09 1:06 1:29	(5.0) 100%	(1.5) 30%	11				(8 joints at 70°, 7 joints at 30°)
205.5	81.1	4.3	1:19 2:00 1:55 2:26	(1.7) 40%	(0.0) 0%	12				-Highly fractured 196.2 — 90.4
200.5	86.1	5.6	2:10/0.3 1:23/0.7 2:38 1:53 2:02 2:18 4:32/0.9	(5.6) 100%	(2.1) 38%	13				Hard Rock: Gray, moderately to slightly weathered, very close to close fracturing, hard to very hard, BIOTITE-QUARTZ GNEISS -Highly fractured
196.2	90.4	4.7	3:19 3:33 3:01 3:06 2:20/0.7	(4.7) 100%	(2.7) 57%	14				(1 joint at 15°, 2 joints at 30°, 3 joints at 45°, 3 joints at 60°) 185.9 — 100.7
190.6	96.0									Coring terminated at 100.7 ft in Hard Rock: Hard to very hard, BIOTITE-QUARTZ GNEISS
185.9	100.7									

B-936 – Box 1
B-936 – Box 2

B-936 – Box 4
B-936 – Box 3


RUN DEPTH RECOVERY RQD
13 90.4'-96.0' (5.6') 5.6'/5.6' (100%) 2.1'/5.6' (38%)
14 96.0'-100.7' (4.7') 4.7'/4.7' (100%) 2.7'/4.7' (57%)
NORTH ANNA COL
6468-06-1472
B-936
BOX 5
DEPTH: 90.4'-100.7'

B-936 – Box 5

GEOTECHNICAL BORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	COUNTY Louisa, VA		GEOLOGIST J. Lachewitz/Nicely/Wallen
SITE DESCRIPTION NORTH ANNA COL			GROUND WATER (ft)
BORING NO. B-937	DRILL METHOD: Mud Rotary/Core	SAMPLE METHODS: SPT/CORE	0 HR. 15.2
COLLAR ELEV. 270.3 ft (NAVD88)	NORTHING 3,910,689 US ft (NAD83)	EASTING 11,686,672 US ft (NAD83)	24 HR. 16.7
TOTAL DEPTH 55.3 ft	DRILL MACHINE CME 45 Trailer	DRILLER: D. Rhodes	HAMMER TYPE 140 lbs Auto
DATE STARTED 9/18/06	COMPLETED 9/19/06	CORE BARREL TYPE: HQ 3 triple tube-wireline	

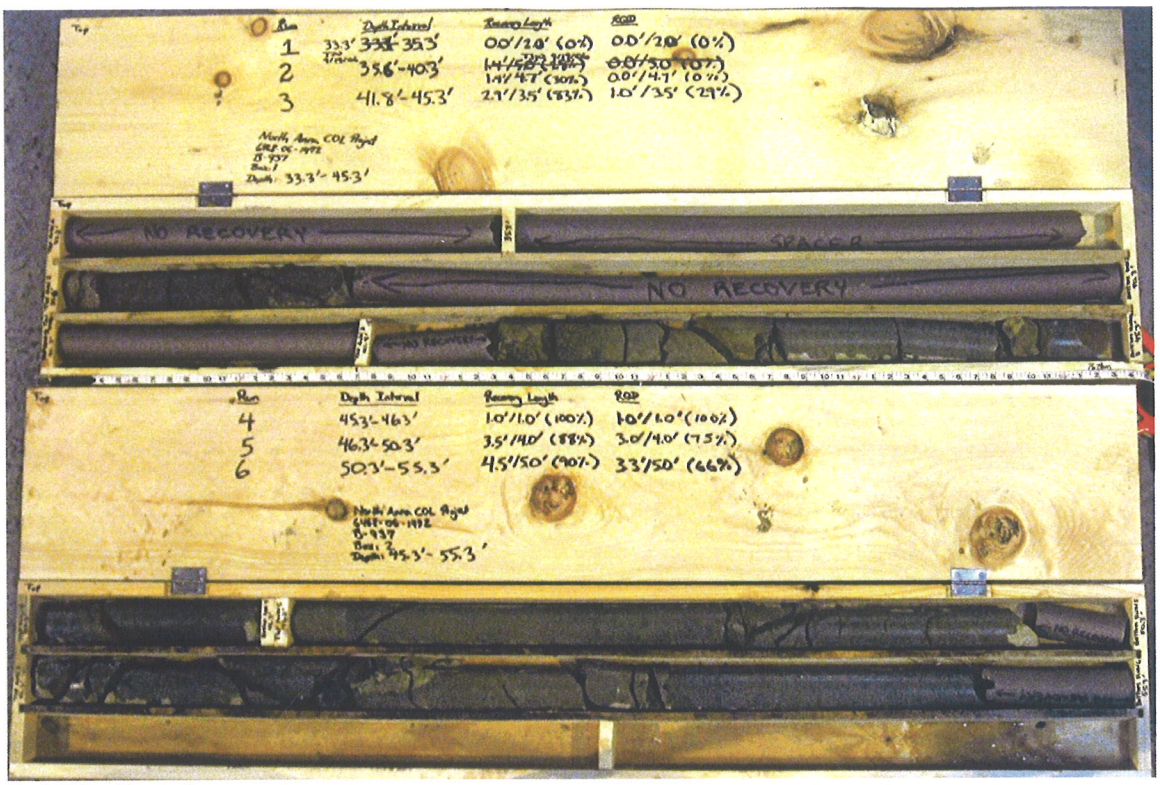
ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
270.3					Ground Surface				270.3 — 0.0
268.8	1.5								Silty SAND (SM) brown (7.5YR 4/4) to strong brown (7.5YR 5/8), moist, medium dense to loose, trace gravel, micaceous (Fill)
266.8	3.5	12	14	13	27	937-1			
264.3	6.0	7	9	8	17	937-2			
261.8	8.5	3	3	3	6	937-3			262.3 — 8.0
259.3	11.0	3	4	6	10	937-4			SILT (ML) strong brown (7.5YR 5/8), moist, stiff to hard, fine sandy, micaceous (Residual Soil)
256.8	13.5	7	7	7	14	937-5			
251.8	18.5	4	5	6	11	937-6	▽ ▼		
246.8	23.5	9	17	26	43	937-7			249.3 — 21.0
									Silty SAND (SM) strong brown (7.5YR 5/6), moist, dense, micaceous (Residual Soil)
241.8	28.5	11	20	21	41	937-8			
238.0	32.3	18	27	50	77	937-9			240.8 — 29.5
237.2	33.1	50/0.2				937-10			Weathered Rock: Black (10YR 2/1), light yellowish brown (2.5YR 6/4), yellowish brown (10YR 5/6), and dark brown (10YR 2/2), moist to dry, very dense, severely weathered, BIOTITE GNEISS
235.0	35.3	50/0.2				937-11			
230.0	40.3	50/0.3				937-12			231.3 — 39.0
		14	23	23	46	937-13			Fine sandy SILT (ML) brown (7.5YR 4/4), moist, hard (Residual Soil)
									227.5 — 42.8
									226.8 — 43.5
									Weathered Rock: Brown (7.5YR 4/4), very dense, severely weathered, BIOTITE GNEISS
									Hard Rock: Gray to dark gray, moderately to slightly weathered, close to moderately close fracturing, moderately hard to hard, BIOTITE GNEISS
									215.0 — 55.3
									Boring and coring terminated at 55.3 ft in Hard Rock: Moderately hard to hard, BIOTITE GNEISS

GEOTECHNICAL CORING LOG

MACTEC

MACTEC PROJECT NO.: 6468-06-1472	**COUNTY** Louisa, VA	**GEOLOGIST** J. Lachewitz/Nicely/Wallen	
SITE DESCRIPTION NORTH ANNA COL			**GROUND WATER (ft)**
BORING NO. B-937	**DRILL METHOD:** Mud Rotary/Core	**SAMPLE METHODS:** SPT/CORE	**0 HR.** 15.2
COLLAR ELEV. 270.3 ft (NAVD88)	**NORTHING** 3,910,689 US ft (NAD83)	**EASTING** 11,686,672 US ft (NAD83)	**24 HR.** 16.7
TOTAL DEPTH 55.3 ft	**DRILL MACHINE** CME 45 Trailer	**DRILLER:** D. Rhodes	**HAMMER TYPE** 140 lbs Auto
DATE STARTED 9/18/06	**COMPLETED** 9/19/06	**CORE BARREL TYPE:** HQ 3 triple tube-wireline	
CORE SIZE HQ3	**TOTAL RUN** 20.2 ft		

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 33.3 ft
237.0	33.3	2.0	7:43	(0.0)	(0.0)	1				Weathered Rock: Black (10YR 2/1), light yellowish brown (2.5YR 6/4), yellowish brown (10YR 5/6), and dark brown (10YR 2/2), moist to dry, very dense, severely weathered, BIOTITE GNEISS *(continued)*
235.0	35.3		4:59	0%	0%					-No Recovery
			N=50/0.3			*937-12*				
234.7	35.6	4.7	14:06/0.7	(1.4)	(0.0)	2				
			0:50	30%	0%					
			0:54							
			11:58							
230.0	40.3		3:34							231.3 — 39.0
						937-13				Fine sandy SILT (ML) brown (7.5YR 4/4), moist, hard (Residual Soil)
			N=46							
228.5	41.8	3.5	3:02/0.5	(2.9)	(1.0)	3				227.5 (1 joint at 45°, 1 joint at 60°) — 42.8
			5:24	83%	29%					226.8 — 43.5
			2:28							Weathered Rock: Brown (7.5YR 4/4), very dense, severely weathered, BIOTITE GNEISS
225.0	45.3		2:39							
224.0	46.3	1.0	3:29	(1.0)	(1.0)	4				Hard Rock: Gray to dark gray, moderately to slightly weathered, close to moderately close fracturing, moderately hard to hard, BIOTITE GNEISS
		4.0	10:45	100%	100%	5				(1 joint at 40°)
			2:28	(3.5)	(3.0)					(2 joints at 70°, 1 joint at 80°)
			2:46	88%	75%					
220.0	50.3		1:59							
		5.0	2:09	(4.5)	(3.3)	6				(6 joints at 30°, 2 joints at 45°)
			2:30	90%	66%					
			2:34							
			2:32							
215.0	55.3		2:07							215.0 — 55.3
										Coring terminated at 55.3 ft in Hard Rock: Moderately hard to hard, BIOTITE GNEISS



B-937 – Box 1
B-937 – Box 2