

**Soil Boring
No. HWMU-TW-1**

Project: William C. Meredith Company						Boring No: HWMU-TW-1
Date Installed: 4/6/17						Location: Impoundment
Drilling Method: Direct Push						Total Depth of Boring: 36'
Drilling Company: Atlas						Initial Depth to Groundwater: 21.85'
Driller: Sammy						Final Depth to Groundwater: 21.80'
Sampler Type: Continuous (4 ft macrocore)						Geologist: Jason P. Chappell
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
	0-2		0.0	50%		Grass cover - Fill material - Brown, red, orange silt, sand, clay, fine to medium, no odor
					SM	
4	4		0.0			
				90%		Same fill, brown, red, orange, silt, sand, clay no odor
					SM	
8	8		0.0			
				100%		Same fill with some gravel fragments, brown, red, orange, silt, sand, clay, no odor
					SM	
12	12		0.4			
				100%		Same fill, with some gravel fragments, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM	
16	HWMU-TW-1 @ 16'		0.2			
				100%		Same fill, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM/SC	
						NATIVE - Grey, tan, silt and sand, micaceous, damp, with slight odor at 20 feet
20	20		23.0			

**Soil Boring
No. HWMU-TW-1 (cont)**

Project: William C. Meredith Company						Boring No: HWMU-TW-1
Date Installed: 4/6/17						Location: Impoundment
Drilling Method: Direct Push						Total Depth of Boring: 36'
Drilling Company: Atlas						Initial Depth to Groundwater: 21.85'
Driller: Sammy						Final Depth to Groundwater: 21.80'
Sampler Type: Continuous (4 ft macrocore)						Geologist: Jason P. Chappell
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				75%		Tan, clay, silt, and sand, fine, moist, slight odor
					SC	
24	HWMU-TW-1 @ 24'		53.6			
				100%		Tan, orange, silt and sand, very micaceous, fine to medium with manganese oxide stains, moist, slight odor
					SC	
						Tan, orange, pink, silt and sand, fine to medium, saprolitic with defined horizontal banding, moist to wet with slight odor
28	28		57.2			
				100%		Product at 28 feet, tan, orange, pink, silt and sand, saprolitic, white feldspar banding with some magnesium oxide stains, wet with strong odor (test kit indicated product)
			85.3			
					SC	
32	32		53.0			
				100%		Tan, orange, pink, silt and sand, saprolitic, very foliated with feldspar banding, micaceous with magnesium oxide banding, wet with strong odor (test kit indicated product)
					SC	
36	36					Boring terminated at 36 feet
40						

ENVIRORISK CONSULTANTS, INC.

MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: SMITH DRILLING

SUPERVISING GEOLOGIST: JPC

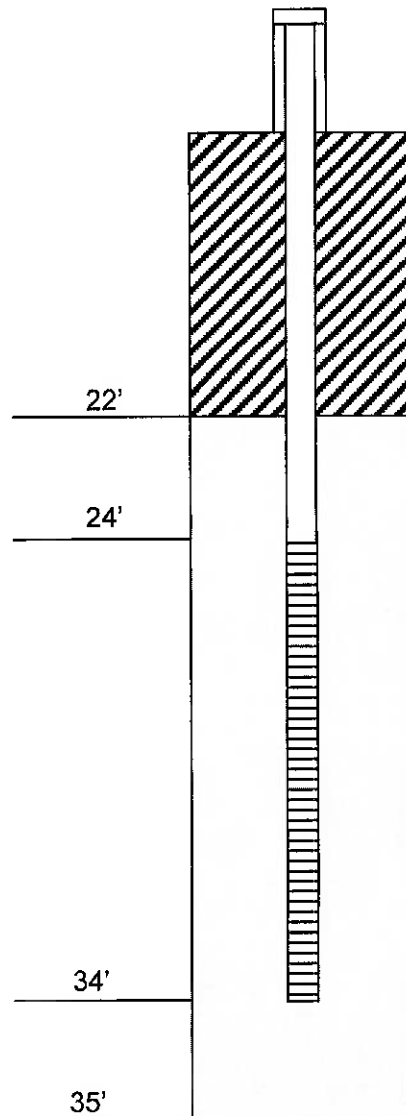
PROJECT NAME: W.C. MEREDITH

PROJECT LOCATION: EAST POINT, GEORGIA

MONITORING WELL NO.: HWMU-1

DATE OF INSTALLATION: 4/14/17

COMPLETED WITH CONCRETE PAD AND 3 FOOT
PROTECTIVE STICK-UP COVER WITH LOCK



WELL RISER

MATERIAL: PVC
DIAMETER: 2 INCH
JOINT TYPE: FLUSH THREADED
LENGTH: 25 FEET

FIRST SEAL

TYPE OF SEAL: BENTONITE SLURRY
THICKNESS: 22 FEET

FILTER PACK

TYPE OF FILTER: SAND
DISTANCE ABOVE SCREEN: 2 FEET

WELL SCREEN

SCREEN MATERIAL: PVC
DIAMETER: 2 INCH
LENGTH: 10 FEET
SLOT SIZE: 0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 34 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET

Soil Boring No. HWMU-TW-2

Project: William C. Meredith Company	Boring No: HWMU-TW-2
Date Installed: 4/6/17	Location: Impoundment
Drilling Method: Direct Push	Total Depth of Boring: 36'
Drilling Company: Atlas	Initial Depth to Groundwater: 21.50'
Driller: Sammy	Final Depth to Groundwater: 24.00'
Sampler Type: Continuous (4 ft macrocore)	Geologist: Jason P. Chappell

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
	0-2		0.0	50%		Grass cover - Fill material - Brown, red, orange silt, sand, clay, fine to medium, no odor
					SM	
4	4		2.4			
	HWMU-TW-2 @ 5-6'			80%		Same fill, brown, red, orange, silt, sand, clay no odor
					SM	
8	8		0.3			
				100%		Same fill with some gravel fragments, brown, red, orange, silt, sand, clay, no odor
					SM	
12	12		0.2			
				100%		Same fill, with some gravel fragments, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM	
16	16		0.5			
				50%		Same fill, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM/SC	
20	20		0.4			

**Soil Boring
No. HWMU-TW-2 (cont)**

Project: William C. Meredith Company					Boring No: HWMU-TW-2	
Date Installed: 4/6/17					Location: Impoundment	
Drilling Method: Direct Push					Total Depth of Boring: 36'	
Drilling Company: Atlas					Initial Depth to Groundwater: 21.50'	
Driller: Sammy					Final Depth to Groundwater: 24.00'	
Sampler Type: Continuous (4 ft macrocore)					Geologist: Jason P. Chappell	
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				75%		Same fill, brown and orange, silt, sand, and clay, fine to medium, moist with slight odor
					SC	
						NATIVE - tan, orange, silt and sand, micaceous with manganese oxide staining, moist with strong odor
24	HWMU-TW-2 @ 24'		48.2			
				75%		Orange, brown, pink, silt and sand, saprolitic with slight foliation, very micaceous, product smear zone at 25-26 feet, damp with strong odor (test kit indicates product)
					SC	
28	28		41.9			
				100%		Grey, brown, tan, silt and trace sand, fine, strong odor, damp
					SC	
						Grey, brown, silt and trace sand, more foliation, very strong odor with obvious product smear zone, wet
32	32		166			
						Same, very foliated saprolite, wet with strong odor
36						Boring terminated at 36 feet
40						

ENVIRORISK CONSULTANTS, INC.

MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: SMITH DRILLING

SUPERVISING GEOLOGIST: JPC

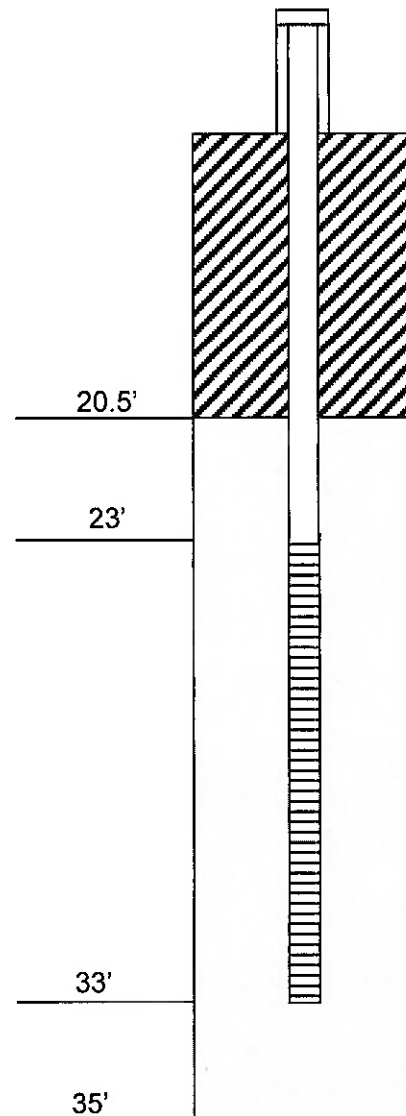
PROJECT NAME: W.C. MEREDITH

PROJECT LOCATION: EAST POINT, GEORGIA

MONITORING WELL NO.: HWMU-2

DATE OF INSTALLATION: 4/14/17

COMPLETED WITH CONCRETE PAD AND 3 FOOT
PROTECTIVE STICK-UP COVER WITH LOCK



WELL RISER

MATERIAL: PVC
DIAMETER: 2 INCH
JOINT TYPE: FLUSH THREADED
LENGTH: 25 FEET

FIRST SEAL

TYPE OF SEAL: BENTONITE SLURRY
THICKNESS: 20.5 FEET

FILTER PACK

TYPE OF FILTER: SAND
DISTANCE ABOVE SCREEN: 2.5 FEET

WELL SCREEN

SCREEN MATERIAL: PVC
DIAMETER: 2 INCH
LENGTH: 10 FEET
SLOT SIZE: 0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 33 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET

Soil Boring No. HWMU-TW-3

Project: William C. Meredith Company						Boring No: HWMU-TW-3
Date Installed: 4/6/17						Location: Impoundment
Drilling Method: Direct Push						Total Depth of Boring: 30'
Drilling Company: Atlas						Initial Depth to Groundwater: 21.93'
Driller: Sammy						Final Depth to Groundwater: 22.30'
Sampler Type: Continuous (4 ft macrocore)						Geologist: Jason P. Chappell
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
	0-2		0.0	50%		Grass cover - Fill material - Brown, red, orange silt, sand, clay, fine to medium, some black fragments with oil odor at 4 feet
	HWMU-TW-3 @ 4'				SM	
4	4		75.5			
				75%		Same fill, brown, red, orange, silt, sand, clay black staining extends to 5 feet, slight odor to 8 feet
					SM	
8	8		0.3			
				100%		Same fill with some gravel fragments, brown, red, orange, silt, sand, clay, quartz fragments @ 9-10 feet, no odor to 12 feet
					SM	
12	12		0.3			
				100%		Same fill, with some gravel fragments, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM	
16	16		0.4			
				75%		Same fill, brown, orange, red, silt, sand, and clay, slightly damp, no odor
					SM/SC	Grey, brown, foliated saprolite begins at 18 feet, fine to medium, moist with slight odor
20	20		24.7			

**Soil Boring
No. HWMU-TW-3**

Project: William C. Meredith Company	Boring No: HWMU-TW-3
Date Installed: 4/6/17	Location: Impoundment
Drilling Method: Direct Push	Total Depth of Boring: 30'
Drilling Company: Atlas	Initial Depth to Groundwater: 21.93'
Driller: Sammy	Final Depth to Groundwater: 22.30'
Sampler Type: Continuous (4 ft macrocore)	Geologist: Jason P. Chappell

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				100%	SC	Orange, pink, tan, silt and sand, saprolitic, some magnesium oxide staining, fine to medium moist with slight odor
24	24		20.2			
				100%	SC	Same - saprolitic with more foliation, fine to medium, moist with strong odor at 26 feet
28	28					
	HWMU-TW-3 @ 29'			50%	SC	Same, very well defined foliated saprolite
	29		86.6			Product smear zone at 29 feet (test kit indicated product)
						Boring Terminated at 30 feet
32						
36						
40						

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MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: SMITH DRILLING

SUPERVISING GEOLOGIST: JPC

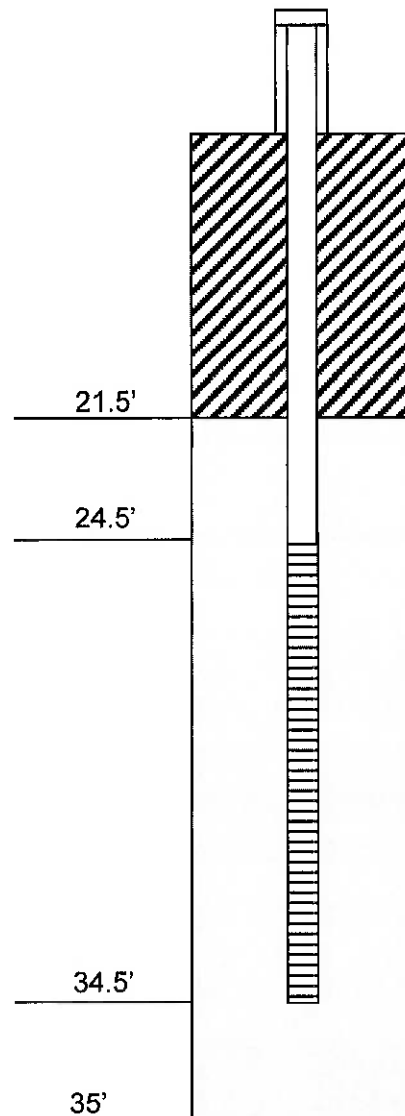
PROJECT NAME: W.C. MEREDITH

PROJECT LOCATION: EAST POINT, GEORGIA

MONITORING WELL NO.: HWMU-3

DATE OF INSTALLATION: 4/13/17

COMPLETED WITH CONCRETE PAD AND 3 FOOT
PROTECTIVE STICK-UP COVER WITH LOCK



WELL RISER

MATERIAL: PVC
DIAMETER: 2 INCH
JOINT TYPE: FLUSH THREADED
LENGTH: 25 FEET

FIRST SEAL

TYPE OF SEAL: BENTONITE SLURRY
THICKNESS: 21.5 FEET

FILTER PACK

TYPE OF FILTER: SAND
DISTANCE ABOVE SCREEN: 3 FEET

WELL SCREEN

SCREEN MATERIAL: PVC
DIAMETER: 2 INCH
LENGTH: 10 FEET
SLOT SIZE: 0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 34.5 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET