

MP-205 – Boxes 1 and 2



MP-205 – Boxes 3 and 4



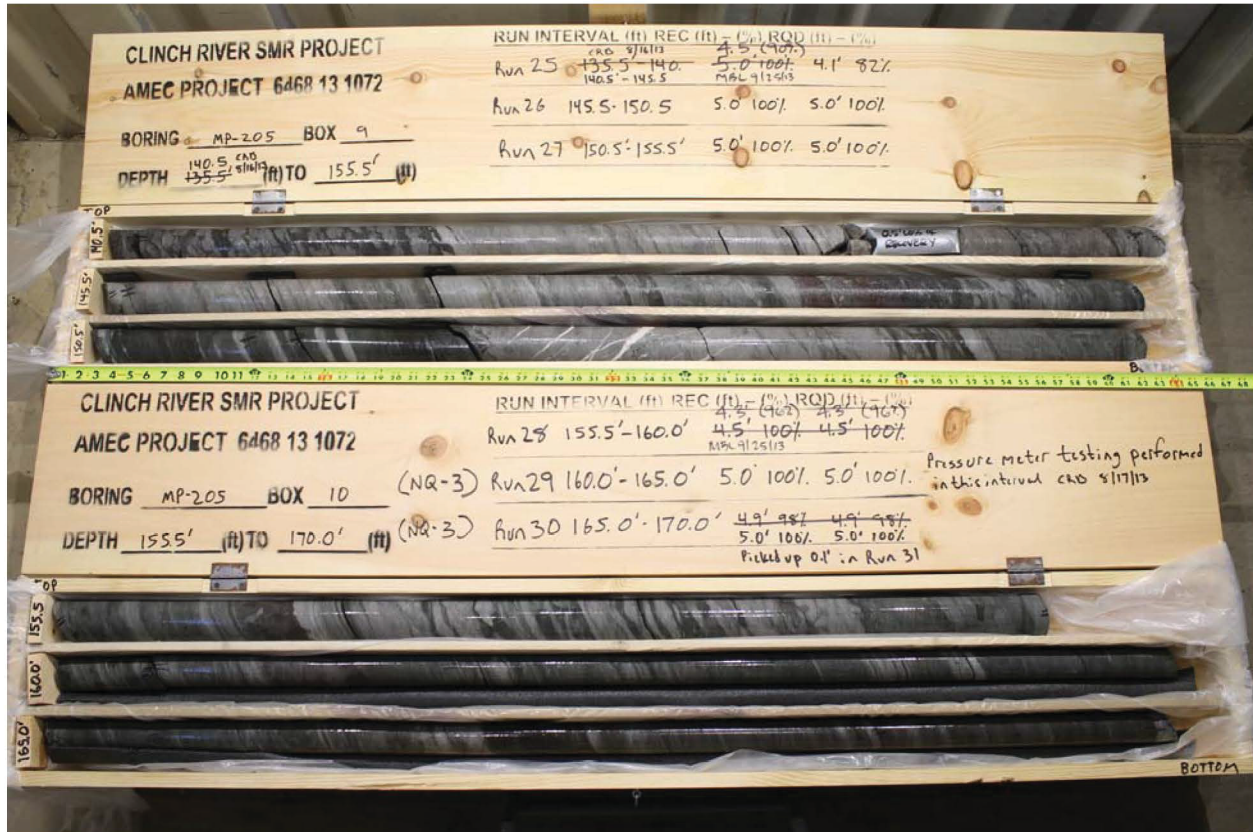
MP-205 – Boxes 5 and 6



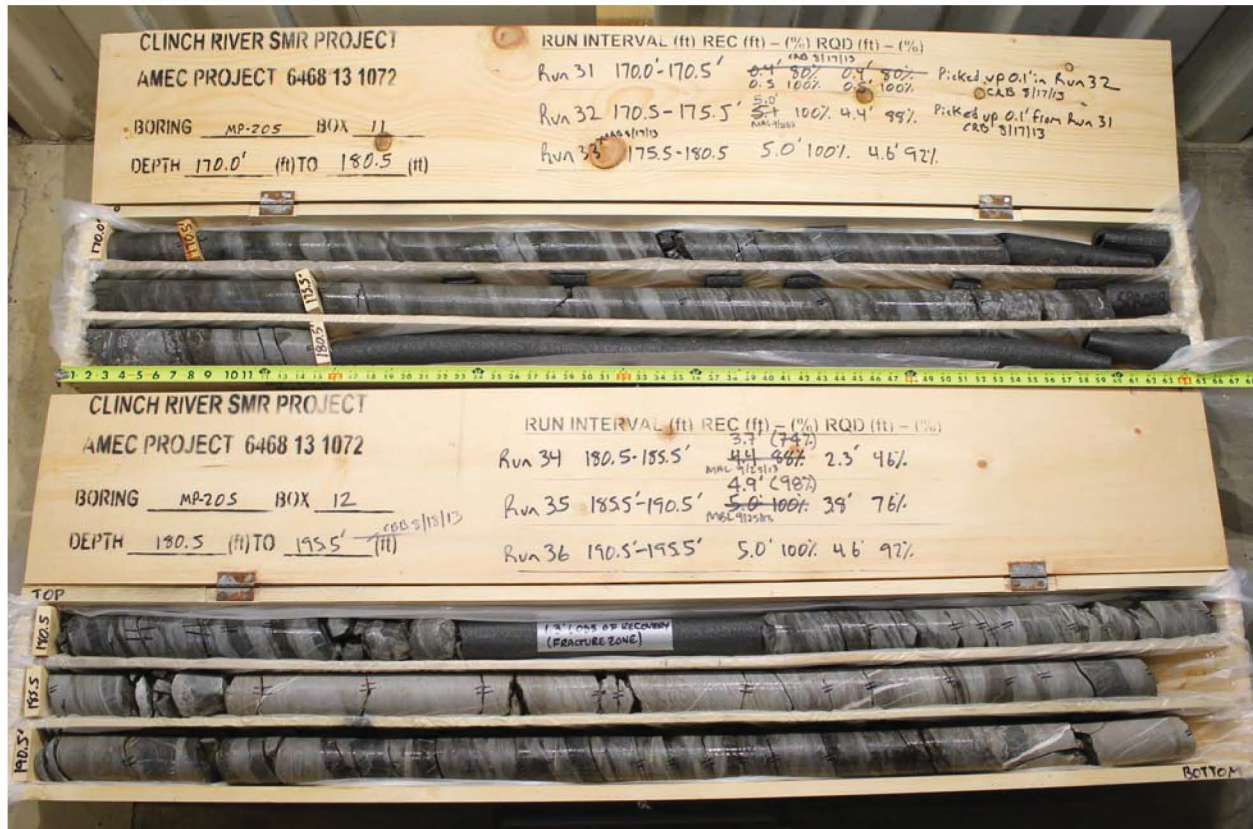
MP-205 – Boxes 7 and 8



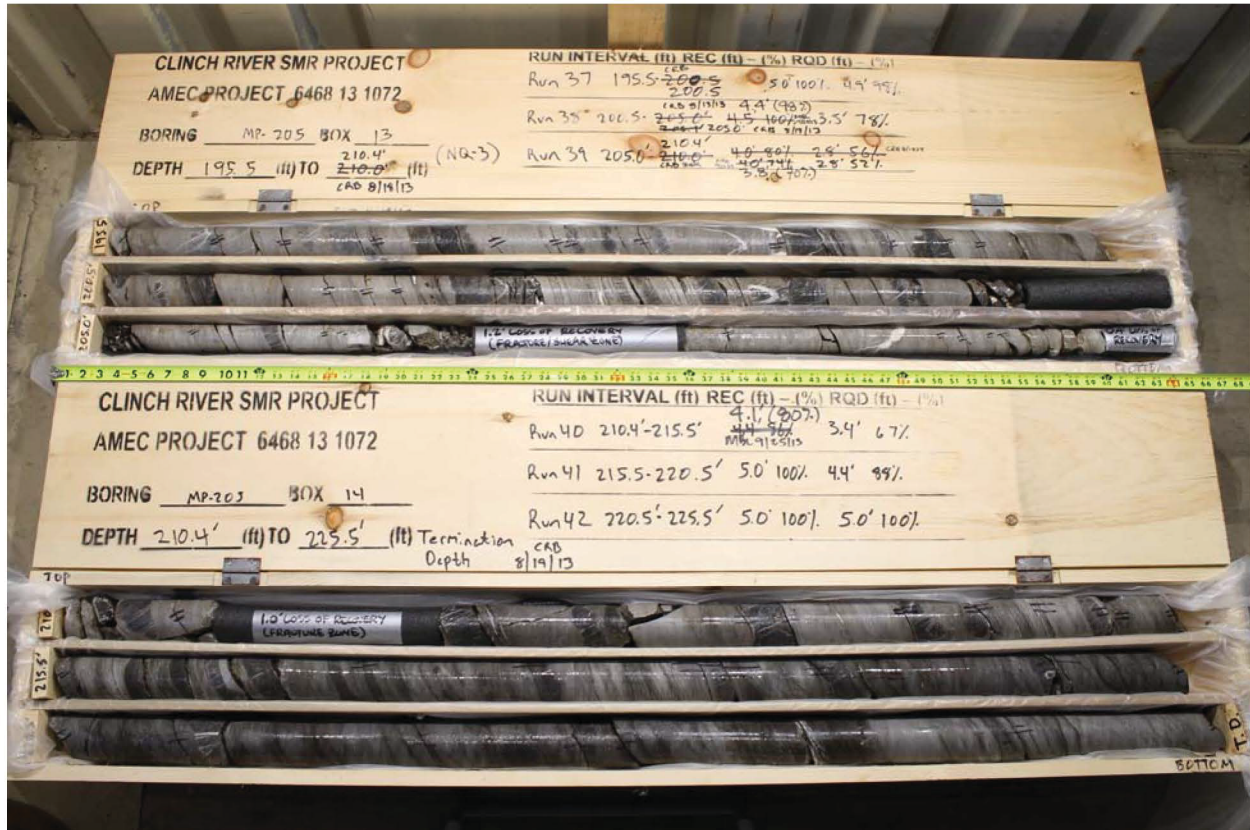
MP-205 – Boxes 9 and 10



MP-205 – Boxes 11 and 12



MP-205 – Boxes 13 and 14





GEOTECHNICAL BORING LOG

Prepared By: MBL Date: 3/5/14

Checked By: JCM Date: 3/5/14

SHEET 1 OF 1

BECHTEL NO.: 25847			AMEC PROJECT NO.: 6468-13-1072			COUNTY: Roane, TN			GEOLOGIST: J. Howard		
SITE DESCRIPTION: Clinch River SMR Project, Roane County, Tennessee						DRILLER: A. Martin/D. Rhodes			Boring Orientation		
BORING NO.: MP-206			DRILL METHOD: Mud Rotary/Core			DRILL MACHINE: CME-55 (C)			Inclination: Vertical		
GROUND ELEV.: 811.8 ft (NAVD88)			NORTHING: 570,964 US ft (NAD83)			EASTING: 2,448,026 US ft (NAD83)			Azimuth: NA		
TOTAL DEPTH: 176.4 ft			SAMPLE METHODS: ASTM D 1586-11; 2488-09a; 2113-08; 6032-08			ROD TYPE: AWJ			HAMMER (ID): 140-lb Auto (163745)		
DATE STARTED: 6/24/13			COMPLETED: 7/5/13			HOLE DIA.: 4"			CASING DEPTH: 18.1 ft		
CORE SIZE: HQ3			BITS USED: 4" Roller Cone								

ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG	SOIL DESCRIPTION AND REMARKS
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
811.8					Ground Surface								811.8 0.0
811.8	0.0	7	19	36	.....●55.....						SS-1	FILL: Gravelly SILT (ML), reddish brown (2.5YR 7/4), hard, dry, non-plastic fines, little fine to coarse angular gravel, few fine to coarse sand, strong HCl reaction	809.3 2.5
808.5	3.3	46	4/0.1	.....50/0.6.....						SS-2	806.8 5.0		
805.9	5.9	33	50/0.4	.....50/0.4.....						SS-3	WEATHERED ROCK: CALCAREOUS SILTSTONE, sampled as SILT (ML), dark reddish brown (2.5YR 3/3), hard, dry, low plasticity fines, few fine sand, trace to few fine gravel sized rock fragments, strong HCl reaction	803.8 8.0	
803.3	8.5	50/0.2	.....50/0.2.....						SS-4	800.7 11.1			
800.7	11.1	50/0.3	.....50/0.3.....						SS-5	WEATHERED ROCK: CALCAREOUS SILTSTONE, sampled as SILTY SAND (SM), dark reddish brown (2.5YR 3/3), very dense, dry to moist, fine to medium sand, little non-plastic fines, trace coarse angular gravel sized rock fragments, strong HCl reaction	798.0 13.8		
798.3	13.5	50/0.3	.....50/0.3.....						SS-6		Soil drilling halted. Log continues on geotechnical coring log		
<p>Observed water levels:</p> <p>28.3 ft bgs, AM 6/25/13</p> <p>28.8 ft bgs, AM 6/26/13</p> <p>42.0 ft bgs, AM 6/27/13</p> <p>37.6 ft bgs, AM 7/2/13</p> <p>28.2 ft bgs, AM 7/5/13</p>													

CLINCH RIVER SMR BORE FINAL CLINCH FINAL LOGS.GPJ CLINCH BORING DATA TEMPLATE.GDT 3/5/14