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**Attachment B**  
**Boring Logs**

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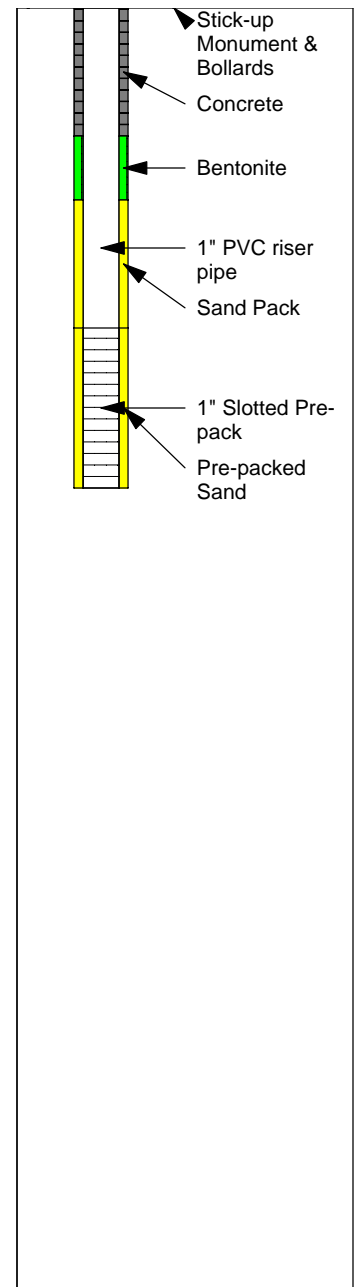
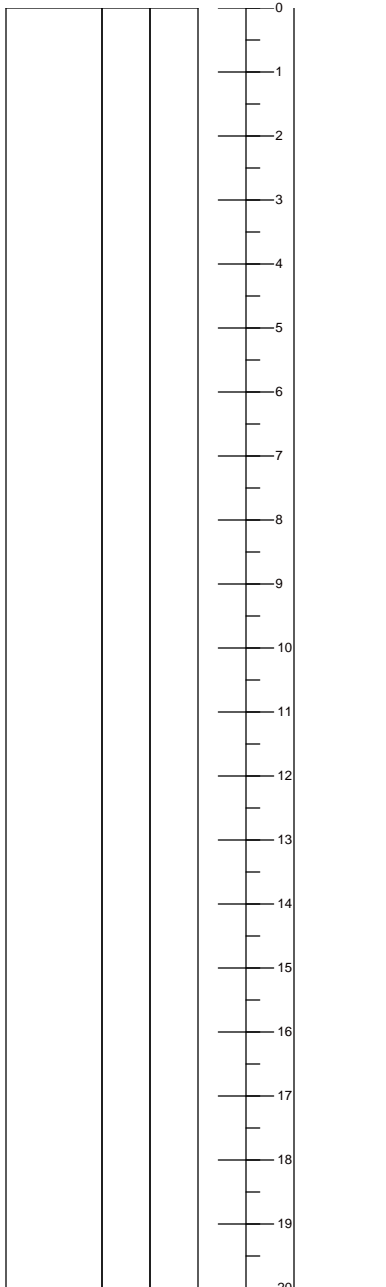
**Drill Date:** August 15, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 7.5 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.667, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702948.758  
**Longitude/Easting:** 1185729.253  
**Casing Elevation:** 16.167, NAVD 88

**Remarks:** Shallow well screen. First of three.  
 No logging was done.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

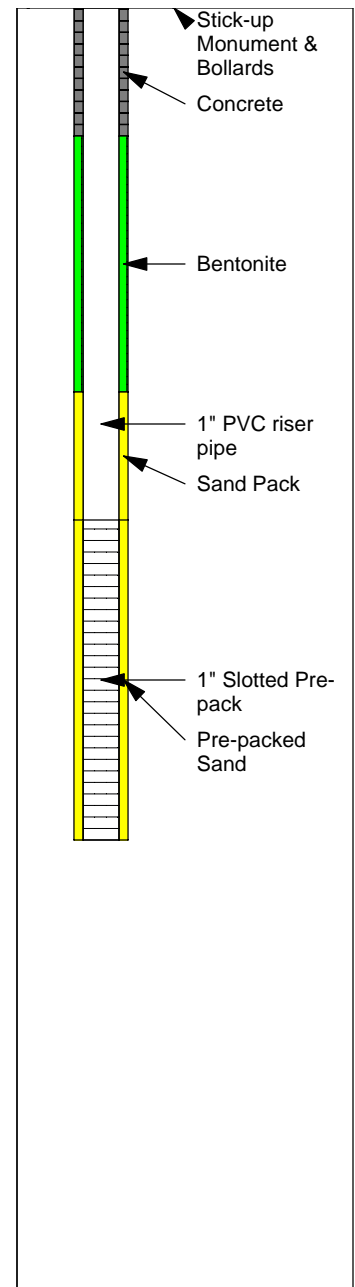
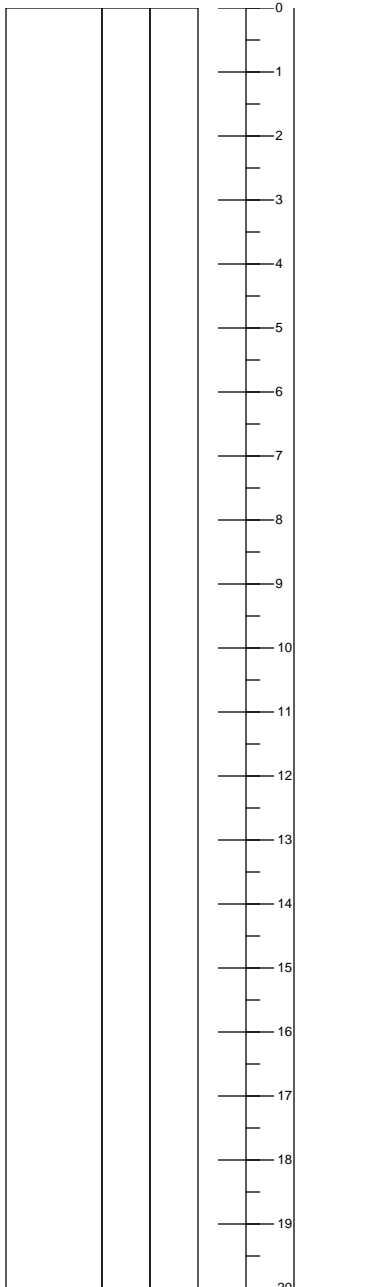
**Drill Date:** August 15, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 13 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.617, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702948.583  
**Longitude/Easting:** 1185725.946  
**Casing Elevation:** 15.732, NAVD 88

**Remarks:** Intermediate well screen. 2 of 3.  
 No logging was done.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**  
 FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

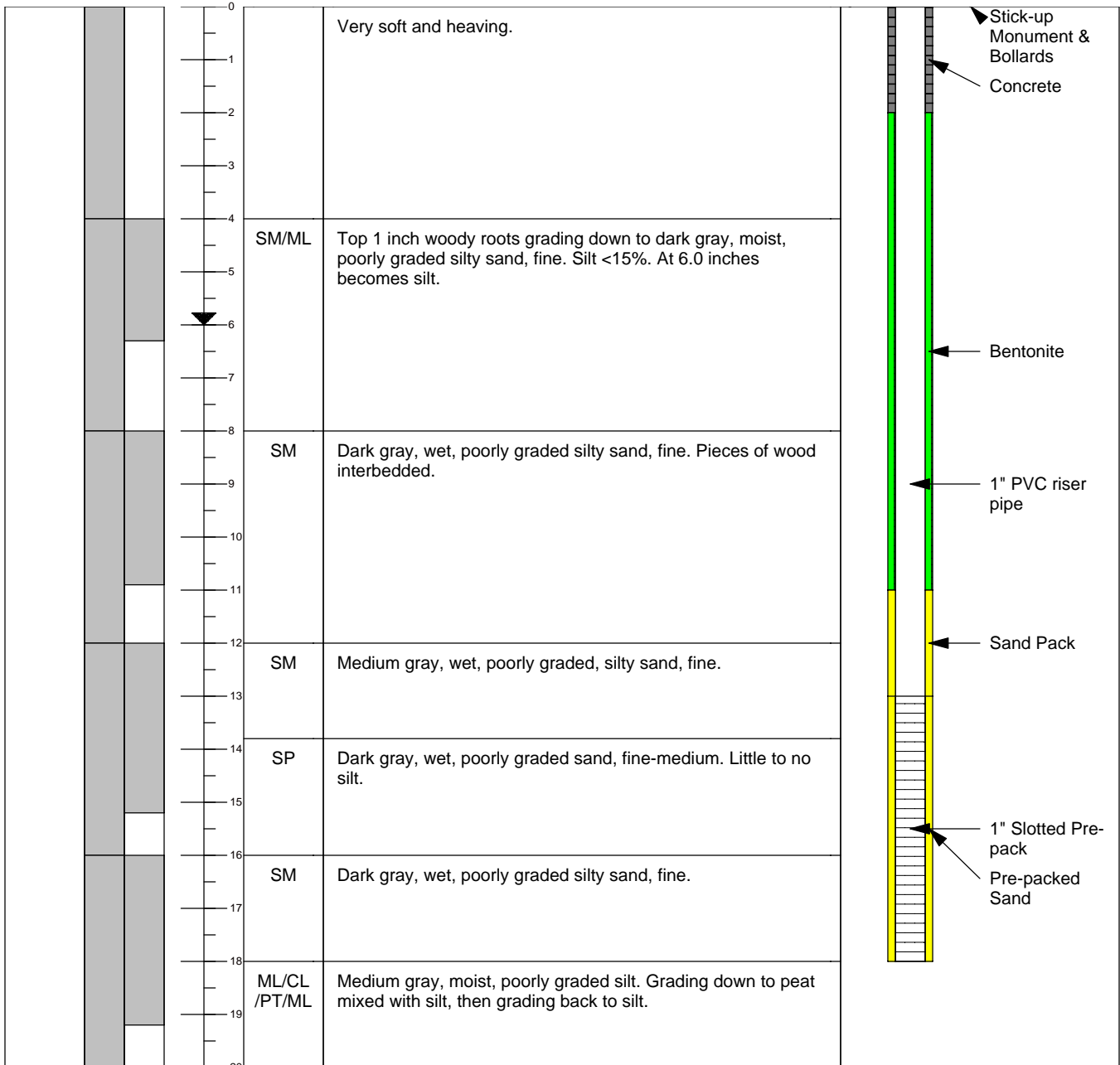
**Drill Date:** August 15, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling

**Ground Surf Elev. & Datum:** 12.617, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702948.758  
**Longitude/Easting:** 1185722.528  
**Casing Elevation:** 15.932, NAVD 88

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Deep well screen. Third of three.  
Sunny, hot.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** August 15, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling

**Ground Surf Elev. & Datum:** 12.617, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702948.758  
**Longitude/Easting:** 1185722.528  
**Casing Elevation:** 15.932, NAVD 88

**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 6' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Remarks:** Deep well screen. Third of three.  
 Sunny, hot.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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			PT/ML/PT	Large woody chunks. At 21.0 mottled gray and brown clayey silt with interbedded organics. At 21.3 turns to peat and then grades to clayey silt with medium plasticity.	
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 = denotes groundwater table

**Drill Date:** August 13, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.577 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702988.529  
**Longitude/Easting:** 1185786.668  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny and warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Dark brown, moist, peat/silty, woody debris with interbedded roots	
		1	PT	Dark brown, moist, peat, little silt <10%.	
		2			
		3			
		4			
		5	ML/SM	Dark gray, silt, at 5.6' bgs grades down to dark grey silty sand, fine to medium, moist.	
		6			
		7			
		8	SM	Same as above, wet.	
		9			
		10			
		11			
		12	SP	Dark grey, wet, poorly graded sand, fine to medium, grading to silty sand in places.	
		13			
		14			
		15			
		16	SP	Dark gray, wet, poorly graded fine to medium grained sand.	
		17			
		18			
		19	SM	Dark grey, wet, silty sand, fine to medium.	
		20			

**Notes:**  
 FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

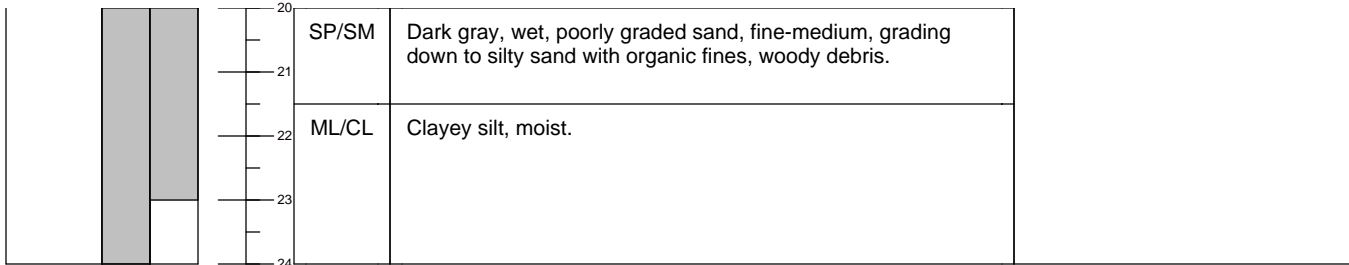
**Drill Date:** August 13, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.577 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702988.529  
**Longitude/Easting:** 1185786.668  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny and warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

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 ppm = parts per million

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 ▼ = denotes groundwater table

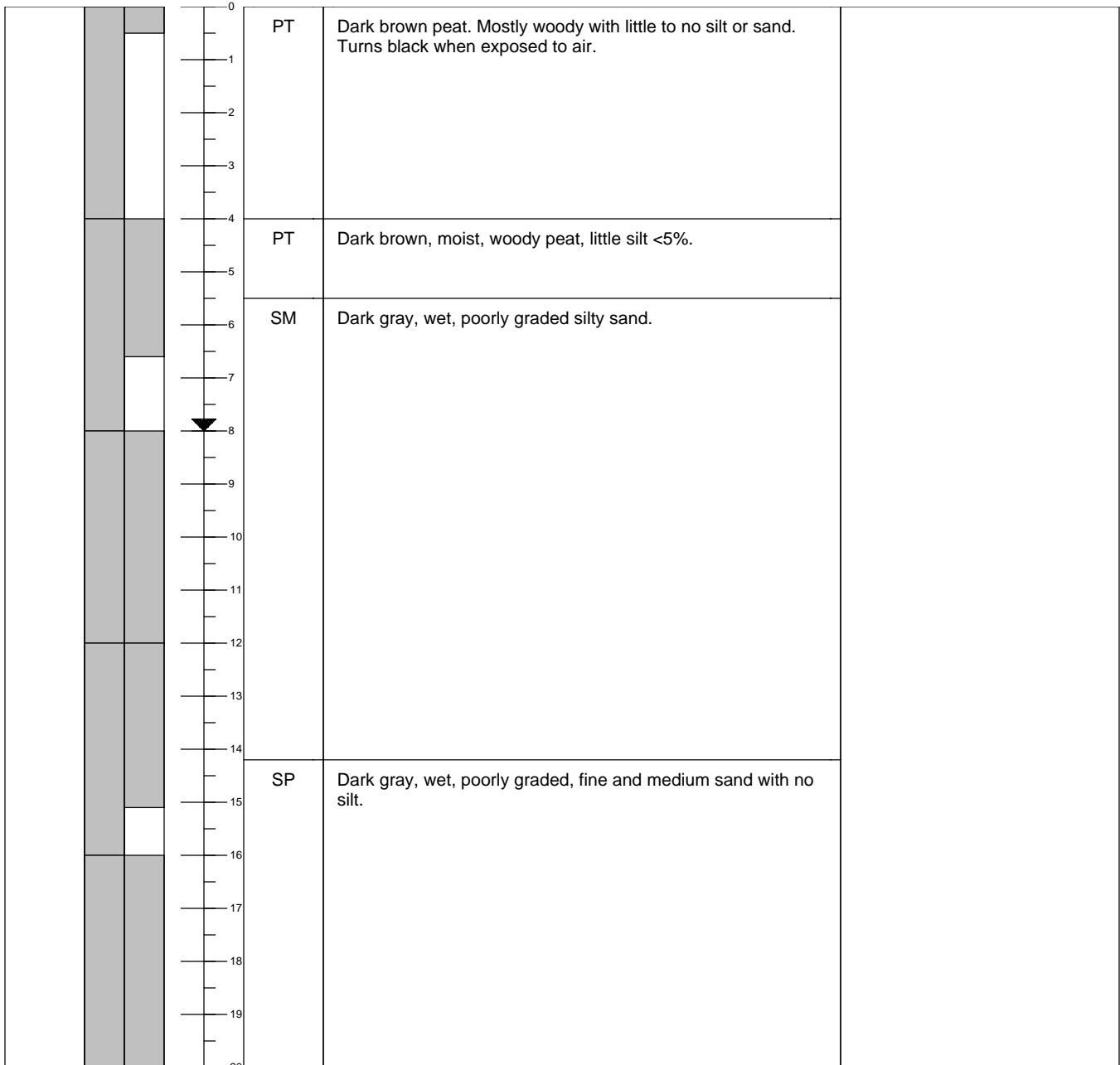
**Drill Date:** August 13, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.545 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702992.564  
**Longitude/Easting:** 1185833.003  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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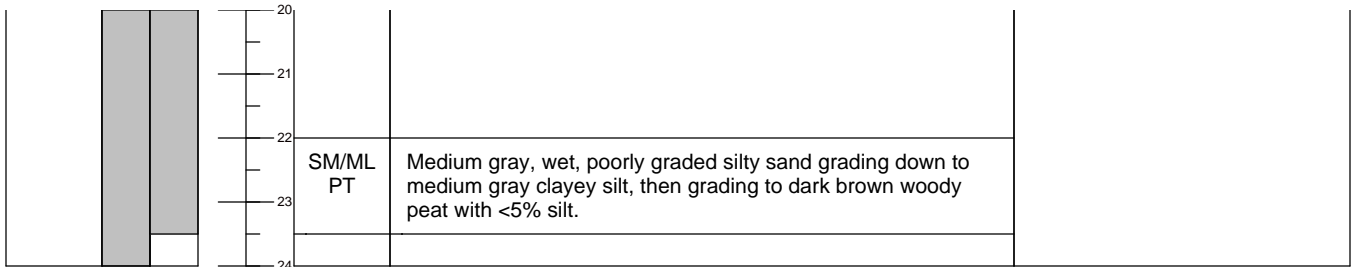
**Drill Date:** August 13, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.545 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702992.564  
**Longitude/Easting:** 1185833.003  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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FT BGS = feet below ground surface  
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USCS = Unified Soil Classification System  
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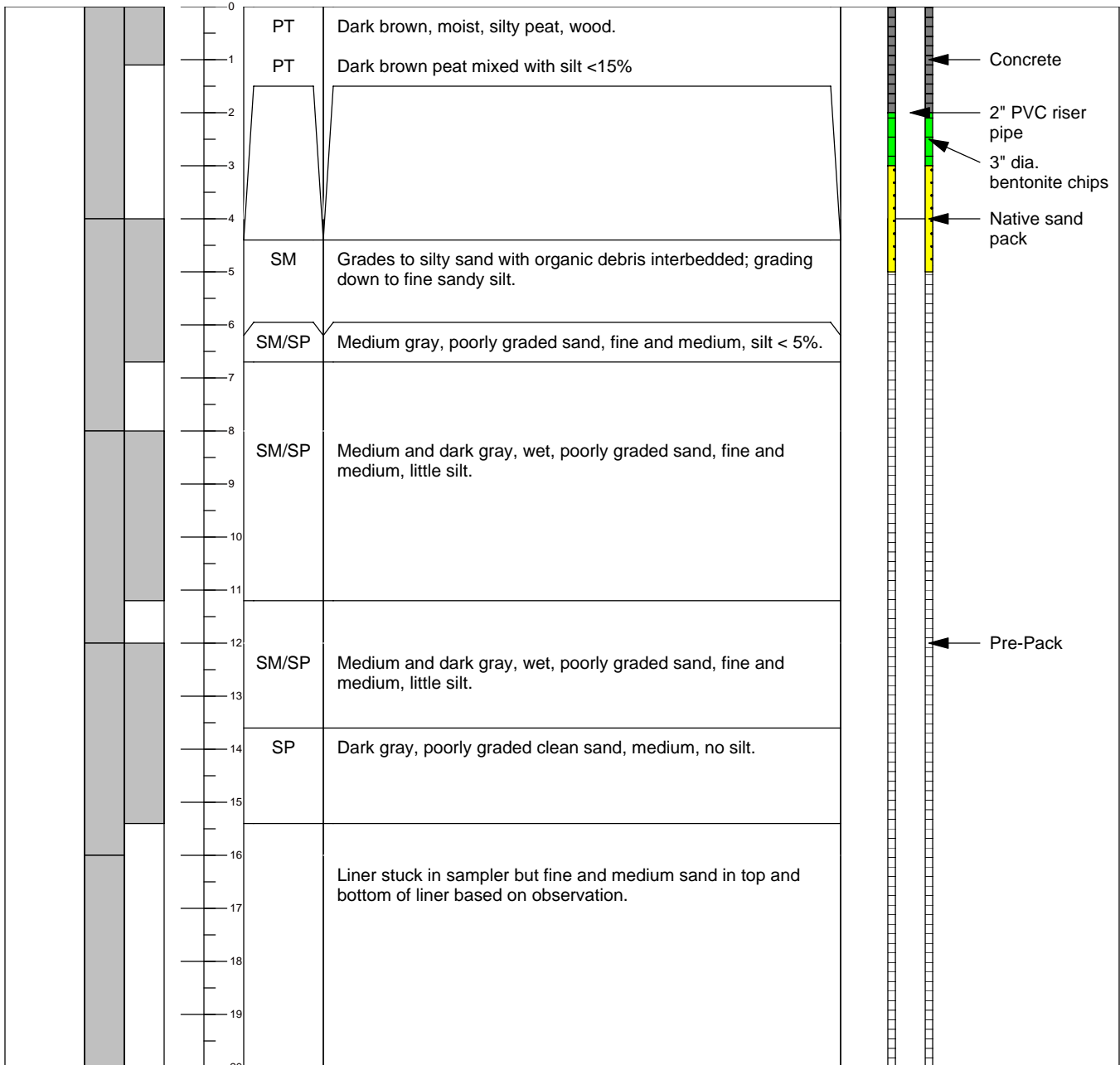
**Drill Date:** August 14, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.292 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 702994.7977  
**Longitude/Easting:** 1185895.931  
**Casing Elevation:** 15.297 NAVD 88

**Remarks:** Boring log and groundwater sample in wetland.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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FT BGS = feet below ground surface  
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USCS = Unified Soil Classification System  
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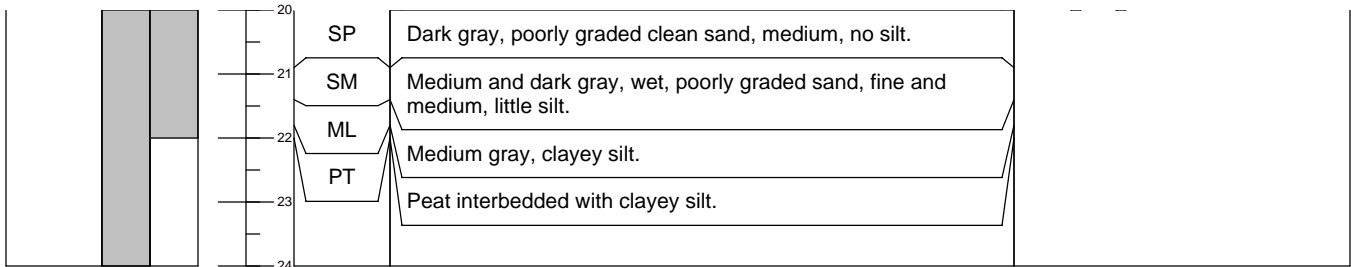
**Drill Date:** August 14, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.292 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 702994.7977  
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**Remarks:** Boring log and groundwater sample in wetland.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

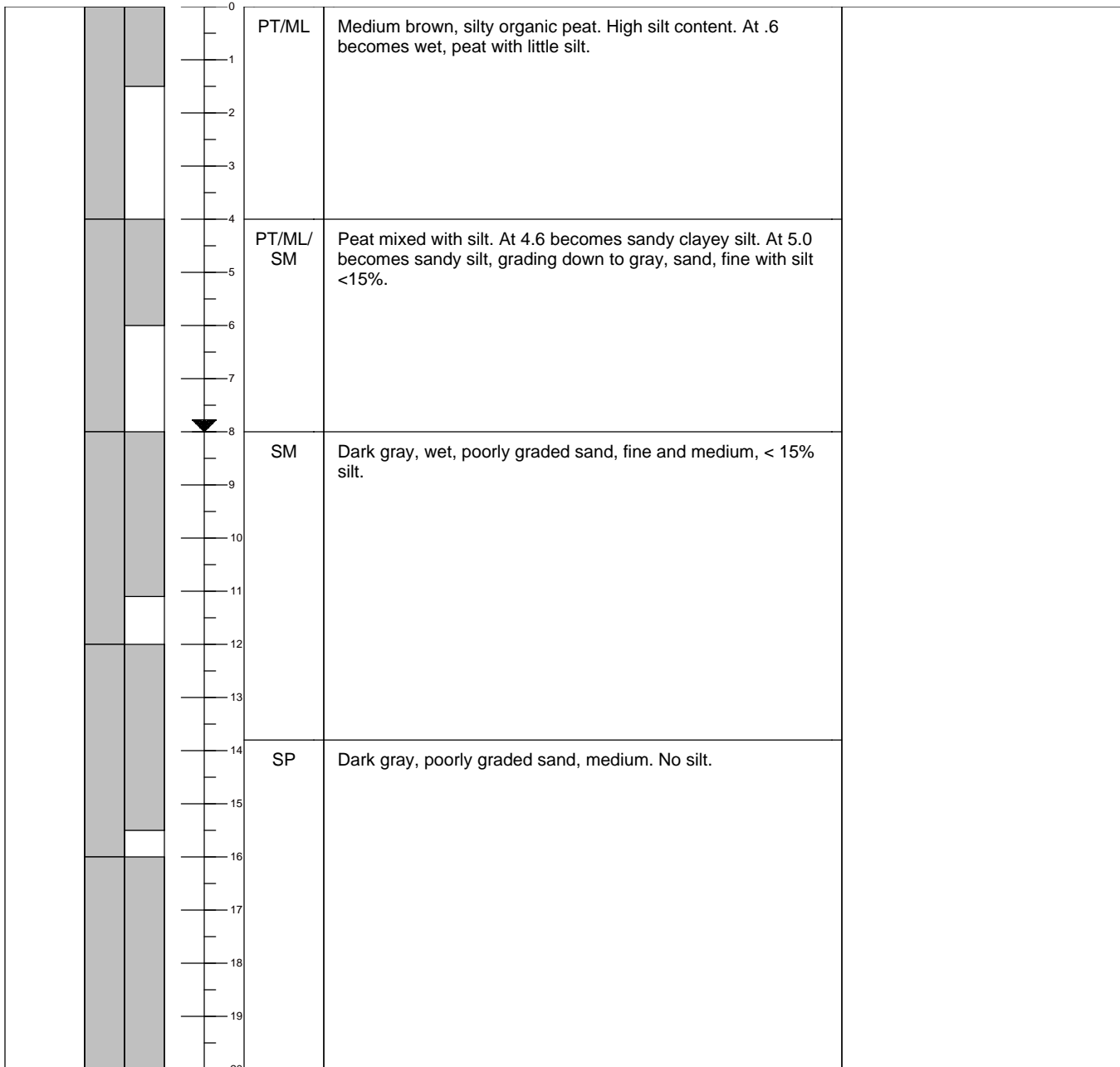
**Drill Date:** August 14, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.609 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 703000.143  
**Longitude/Easting:** 1185938.281  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

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USCS = Unified Soil Classification System  
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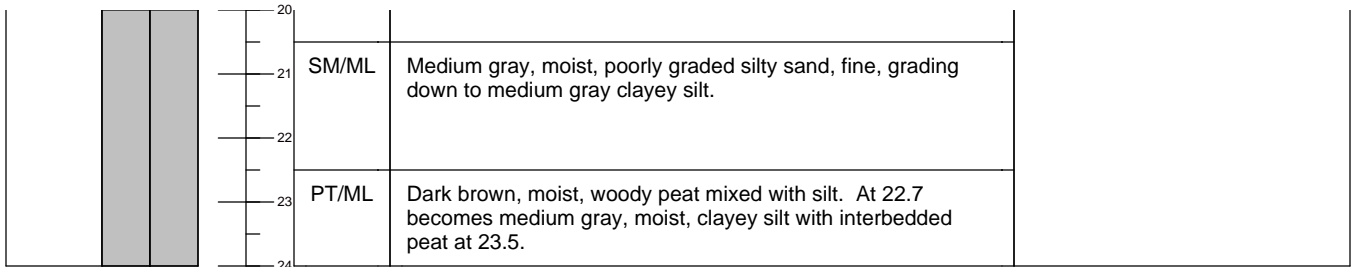
**Drill Date:** August 14, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 24 ft bgs  
**Groundwater ATD (ft bgs):** 8' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 13.609 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 703000.143  
**Longitude/Easting:** 1185938.281  
**Casing Elevation:** NA

**Remarks:** Boring log and groundwater sample in wetland.  
 Sunny, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
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USCS = Unified Soil Classification System  
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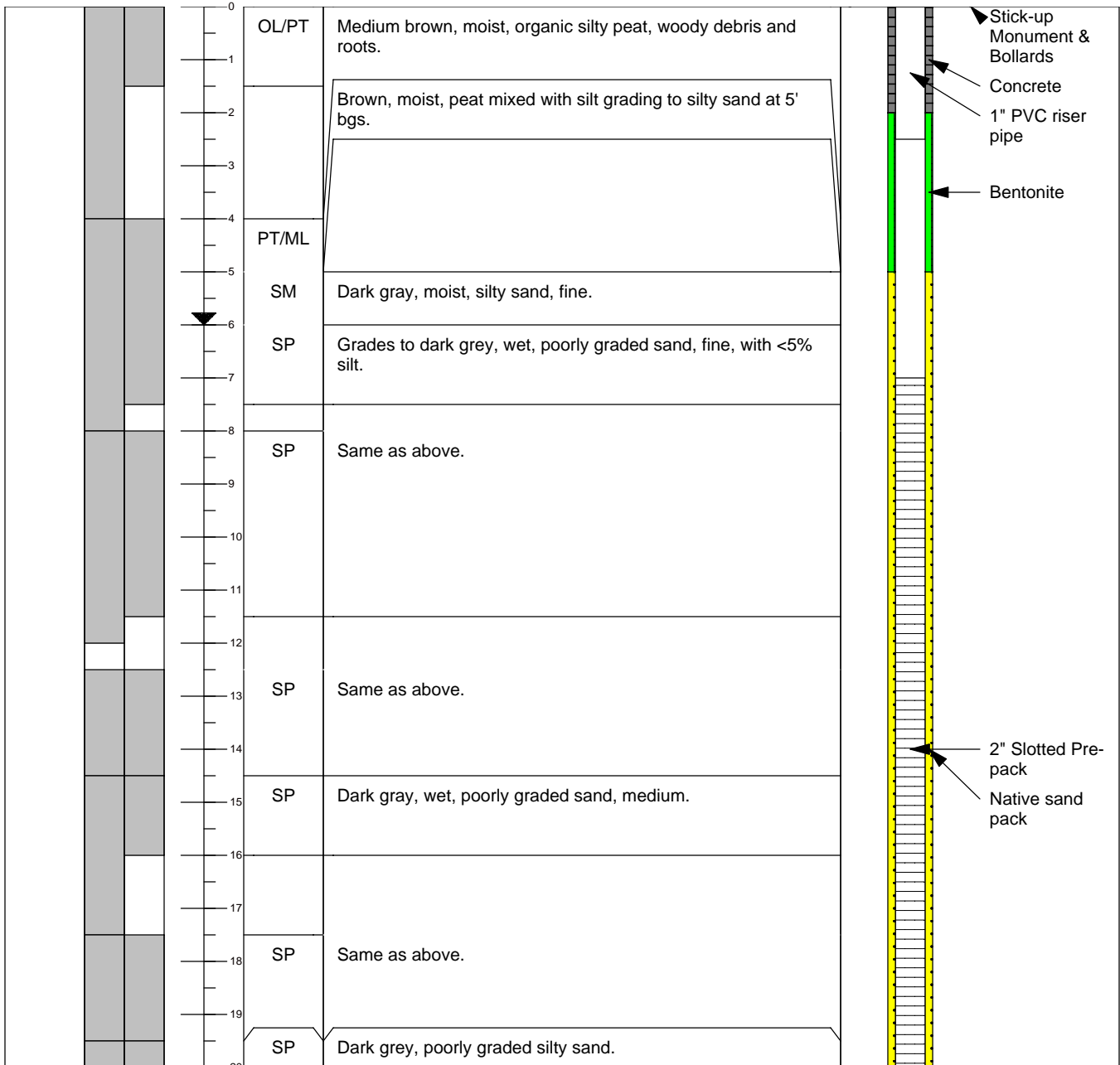
**Drill Date:** August 15, 2008  
**Logged By:** Lisa Meoli  
**Drilled By:** Eli Floyd/Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 23 ft bgs  
**Groundwater ATD (ft bgs):** 6' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.812 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 703003.1398  
**Longitude/Easting:** 1185989.093  
**Casing Elevation:** 15.642 NAVD 88

**Remarks:** Boring log and groundwater sample in wetland.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
-----------	--------------------	--------------	-------------	-----------------------------------	--



**Notes:**

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 ppm = parts per million

USCS = Unified Soil Classification System  
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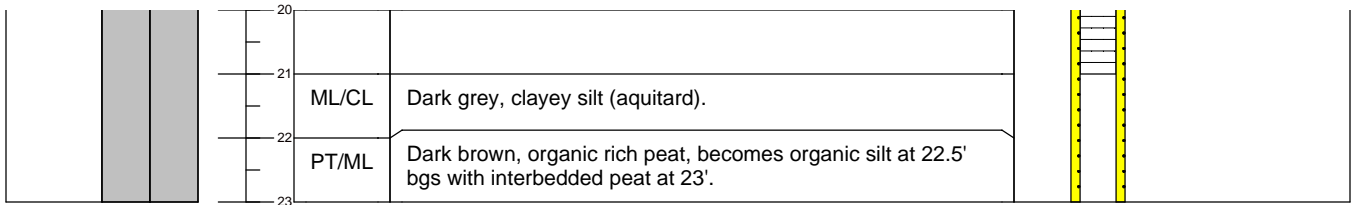
**Drill Date:** August 15, 2008  
**Logged By:** Lisa Meoli  
**Drilled By:** Eli Floyd/Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 23 ft bgs  
**Groundwater ATD (ft bgs):** 6' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.812 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 703003.1398  
**Longitude/Easting:** 1185989.093  
**Casing Elevation:** 15.642 NAVD 88

**Remarks:** Boring log and groundwater sample in wetland.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 = denotes groundwater table

**Drill Date:** October 16, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 14.18 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 702158.989

**Longitude/Easting:** 1185642.761

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, dry (plow zone), silt with some roots and vegetation, woody debris.	
		1	ML	Dark grey and rust mottled, dry, silt, fine, medium plasticity.	
		2			
		3			
		4	SM	Dark grey, moist, silty sand, fine.	
		5			
		6	SM	Same as above, wet.	
		7			
		8			
		9			
		10			
		11	SM	Same as above; natural wood deposits at 11 and 13' bgs, turns grey when exposed to air.	
		12			
		13			
		14			
		15	SM	Same as above.	
		16	ML	Dark grey, dry, silt.	
		17	SM/CL/PT	Dark grey, moist, silty sand, fine w/some clayey silt and interbedded peat.	
		18	ML/CL	Light grey, dry, clayey silt, high plasticity (aquitar).	
		19			
		20			

**Notes:**

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▼ = denotes groundwater table

**Drill Date:** October 16, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 13.84 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 702067.177

**Longitude/Easting:** 1185651.77

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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PD-14-5'		0	SP	Brown, dry, silt w/some roots and vegetation, woody debris, (plow zone).	
		1			
PD-14-8'		2	SM	Dark grey and reddish-brown mottled, dry, silt, fine, medium plasticity, some naturally deposited organic material.	
		3			
		4	SP	Dark grey w/reddish and white flecks, saturated, poorly graded sand, fine.	
		5			
		6	SP	Same as above	
		7			
		8			
		9			
		10			
		11	SP	Same as above	
		12			
		13			
		14			
		15			
		16	SP	Same as above; natural wood deposits at bottom of liner.	
		17			
		18			
		19			
		20			

**Notes:**

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**Drill Date:** October 15, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 14.03 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 701960.765

**Longitude/Easting:** 1185633.762

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 2' bgs.

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
-----------	--------------------	--------------	-------------	-----------------------------------	--

		0	ML	Brown, moist, silt, low pasticity, becomes grey with rust mottled, silt with clay, non-plastic, trace organics.	
		1			
		2	SP	Dark grey, wet, poorly graded sand, fine, <5% silt.	
		3			
		4			
		5	SP	Disturbed sample, knocked out of sleeve w/hammer. Appears to be same as above	
		6			
		7			
		8			
		9			
		10	SP	Same as above	
		11			
		12			
		13			
		14	SW	Grades to dark grey, wet, well-graded sand, fine-medium, trace coarse up to 1/2" (medium and coarse grains are rounded).	
		15	SW	Same as above. Predominantly well-graded sand, medium, but some fine to coarse. Some coarse up to 1/2-inch.	
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 15, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 14.43 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701858.085

**Longitude/Easting:** 1185641.931

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 2' bgs.

**Client:** B&L Custodial Trust

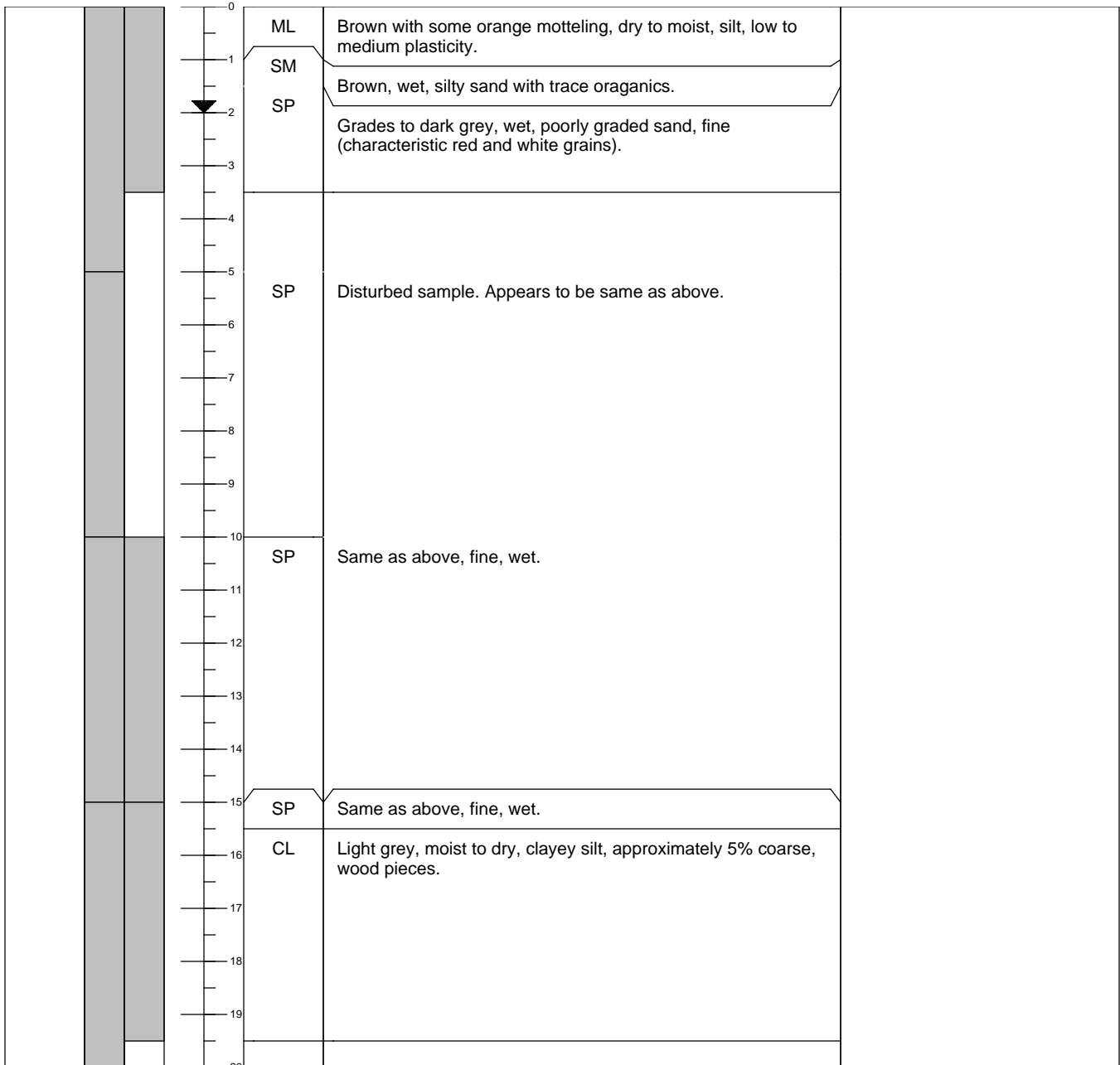
**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 15, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 14.58 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701748.363

**Longitude/Easting:** 1185628.183

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 2' bgs.

**Client:** B&L Custodial Trust

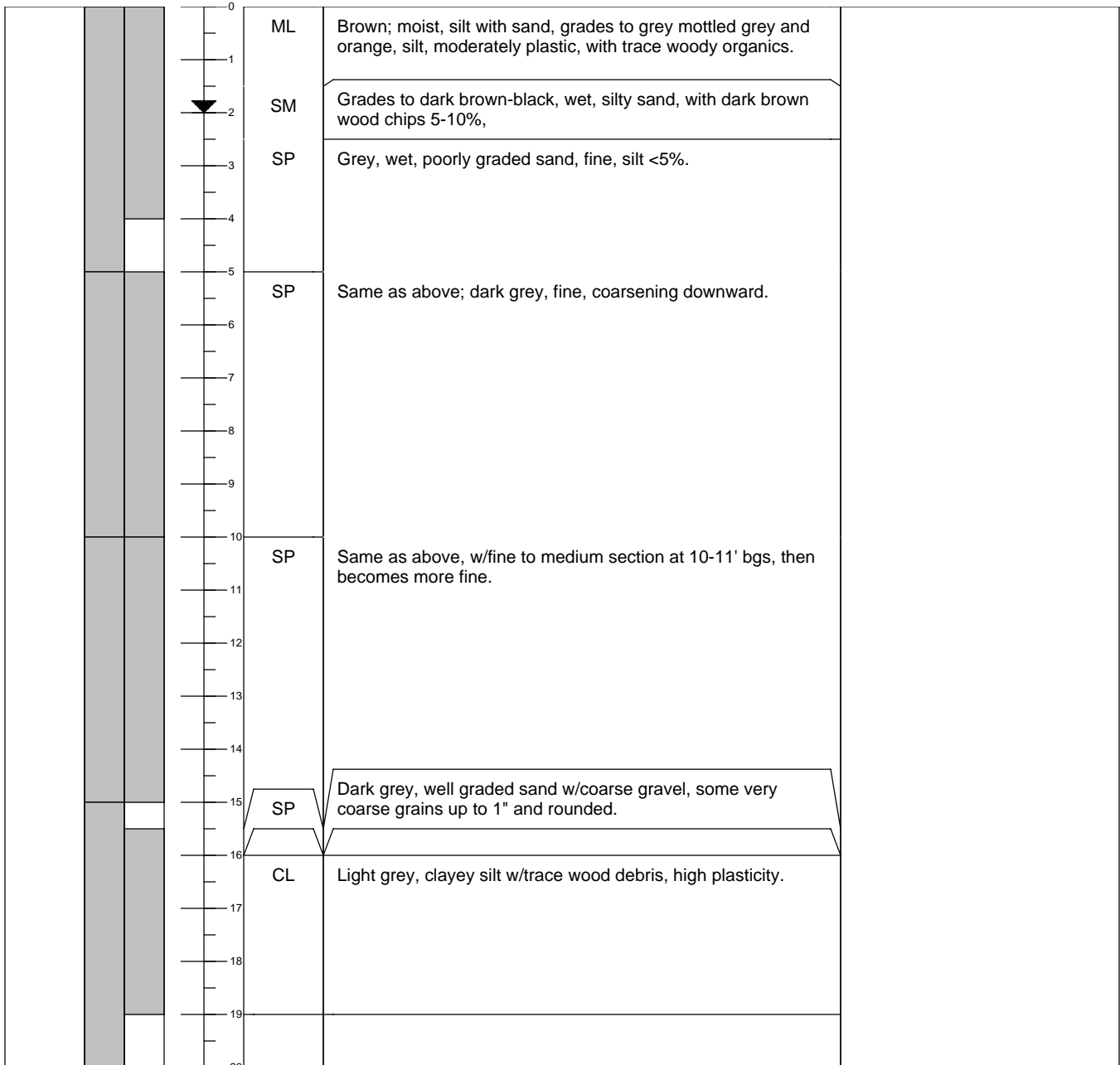
**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 15, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 14.65 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701640.052

**Longitude/Easting:** 1185632.12

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 2' bgs

**Client:** B&L Custodial Trust

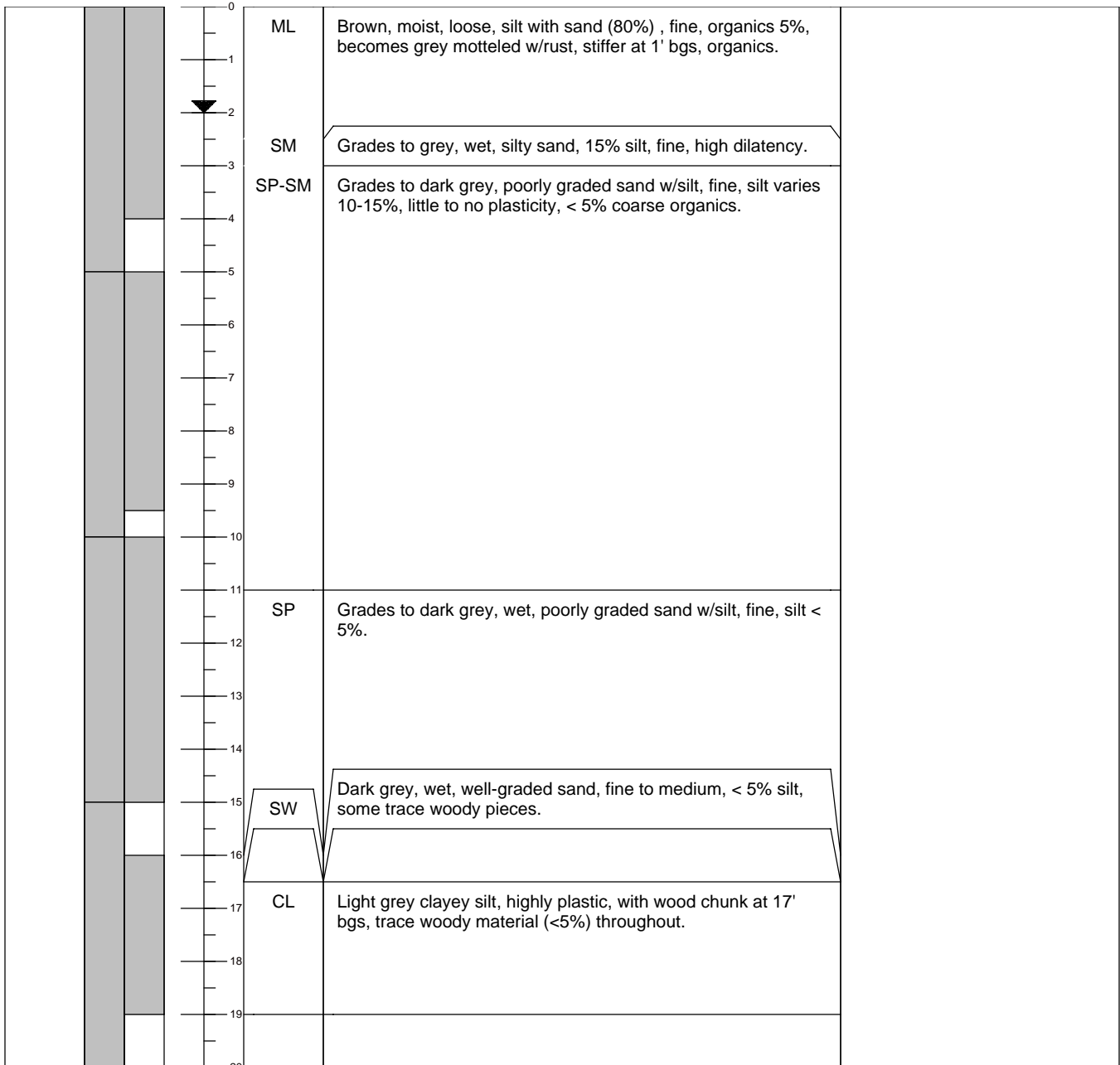
**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 22, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 13.83 NAVD 88

**Drill Type:** Track Geoprobe 6620DT

**Client:** B&L Custodial Trust

**Coordinate System:** NAD 83/98

**Sample Method:** 2" x 5' core barrel

**Project:** B&L RIM

**Latitude/Northing:** 701997.699

**Boring Diameter:** 2 inches

**Task Number:**

**Longitude/Easting:** 1185580.781

**Boring Depth (ft bgs):** 20 ft bgs

**Site Location:** B&L Woodwaste

**Casing Elevation:** NA

**Groundwater ATD (ft bgs):** Unknown

Pierce County, WA

**Remarks:** Fife Fields Delineation Sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, silt, low plasticity, some roots and vegetation throughout (till/plow zone)	
		1	SP	Dark grey/black with distinct white and red, wet, poorly graded sand; fine.	
		2			
		3			
		4			
		5	SP	Dark grey/black with white and red, poorly graded sand, moist, medium grained.	
		6			
		7			
		8			
		9	SP	Dark grey/black with white and red, moist, poorly graded sand, fine to medium grained.	
		10			
		11			
		12			
		13	SP	Dark grey/black with white and red, sand, medium to coarse grained, loose with fine rounded gravels <10%.	
		14			
		15			
		16			
		17	SP	Same as above.	
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 22, 2008

**Logged By:** Erin Murray

**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 14.13 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701898.44

**Longitude/Easting:** 1185589.557

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife Fields Delineation Sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light to medium brown, silty sand, fine, no plasticity, compact to crumbly.	
		1	ML/CL	Light to medium gray clayey silt, fine, medium plasticity grades to low plasticity.	
		2			
		3			
		4			
		5	SM	Dark grey silty sand, fine.	
		6	SP	Dark gray, poorly graded sand, fine to medium, mixed w/organics.	
		7	SM	Grades to silty sand, fine, low plasticity, mixed w/organics.	
		8	SP	Grades back to dark grey, poorly graded sand, fine to medium.	
		9			
		10	SP	Medium gray, wet, poorly graded sand, fine, interbedded organics and wood at 13' bgs.	
		11			
		12			
		13			
		14			
		15	ML/CL	Medium gray, wet, clayey silt with sand, grading to clayey silt, medium to high plasticity.	
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 22, 2008

**Logged By:** Erin Murray

**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 14.51 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 701796.375

**Longitude/Easting:** 1185581.192

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 5' bgs

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife Fields Delineation Sampling. Piston sampler used below 10" bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light to medium brown, silty sand, fine, no plasticity, compact to crumbly (till/plow zone).	
		1	SM/ML	Silty sand grading to organic silt with sand, fine.	
		2			
		3			
		4			
		5	SM	Dark grey, silty sand, fine.	
		6			
		7	SP	Medium grey, wet, poorly graded sand, fine, little to no silt.	
		8			
		9			
		10	SP	Dark gray, wet, poorly graded sand, fine grading to fine and medium.	
		11			
		12			
		13			
		14			
		15			
		16	ML/CL/PT	Silty clay, inorganic, slight to medium plasticity, with interbedded peat. At 18.5 becomes clayey silt mixed with 50% peat.	
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 15, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 15.14 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701550.652

**Longitude/Easting:** 1185640.035

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, silt, low plasticity (plow/till zone).	
		1	ML	Light grey and orange mottled, dry, silt, fine, medium plasticity, stiff.	
		2			
		3			
		4			
		5	SM	Grey with some rust mottling, moist, silty sand, fine.	
		6			
		7	SP	Dark grey, wet, poorly graded sand, fine.	
		8			
		9			
		10	SP	Same as above. Saturated, silty lense at 10.5' bgs.	
		11			
		12			
		13			
		14			
		15	SP	Dark grey to black with reddish and white grains, moist, poorly graded sand, fine to medium.	
		16			
		17	ML/CL	Light grey, dry, clayey silt, medium plasticity, some organics and woody debris interbedded.	
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 16, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 15.95 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 701536.818

**Longitude/Easting:** 1185801.647

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 5.5' bgs

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife Fields Delineation Sampling. Piston Sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light to medium brown, silty sand, fine, no plasticity, compact to crumbly (till/plow zone).	
		1			
		2	ML	Light grey and orange mottled, dry, silt, low plasticity, piece of burned wood @2' bgs.	
		3	SM	Dark grey, moist, poorly graded silty sand, fine.	
		4			
		5			
		5.5	SM	Brown, wet, silty sand, low plasticity.	
		6			
		7	SM	Dark grey, wet, silty sand, fine.	
		8			
		9			
		10	SM	Same as above.	
		11			
		12			
		13			
		14	SP	Dark grey/black with red and white flecks, wet, poorly graded sand, fine to medium, piece of wood deposited at 14.5' bgs, <5% fine, rounded gravels.	
		15			
		16	ML/CL	Light grey, dry, clayey silt, medium to high plasticity, with organics.	
		17			
		18			
		19	PT	Peat.	
		19.5			
		20	SM	Dark brown, moist, silty sand, fine.	

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 16, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 15.82 NAVD 88

**Coordinate System:** NAV83/98

**Latitude/Northing:** 701524.578326

**Longitude/Easting:** 1185903.5321

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SP	Brown, dry, silt, low plasticity, loose (till/plow zone).	
		1			
		2		Brown and light brown mottled, dry to moist, silt, low plasticity.	
		3	SM	Dark brown/black with red and white, poorly graded sand, fine to medium.	
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11		Same as above	
		12			
		13			
		14			
		15			
		16		Black with red and white, sand, medium, 10% small gravels. At 20' organics and woody debris.	
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** October 16, 2008

**Logged By:** Lisa Meoli

**Drilled By:** Casey Goble/Cascade Drilling

**Ground Surf Elev. & Datum:** 16.41 NAVD 88

**Coordinate System:** NAV83/91

**Latitude/Northing:** 701517.06

**Longitude/Easting:** 1186002.232

**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT

**Sample Method:** 2" x 5' core barrel.

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Fife field delineation sampling. Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, dry, silt, low plasticity, loose (till/plow zone).	
		1			
		2	ML	Light brown, dry, silt, no plasticity.	
		3			
		4	SP	Dark grey/black with distinctive red and white grains, moist, poorly graded sand, fine.	
		5			
		6	SP	Same as above. At 9' bgs, one large gravel approximately 1-inch diameter.	
		7			
		8			
		9			
		10	SP	Same as above, fine to medium.	
		11			
		12			
		13			
		14			
		15	SP	Same as above, fine to medium.	
		16			
		17			
		18			
		19	SP	Dark grey, wet, poorly graded sand, coarse, with fine to medium gravel (up to 1-inch diameter), trace organics.	
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** August 14, 2008  
**Logged By:** Lisa Meoli  
**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 16.34 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 701533.223  
**Longitude/Easting:** 1186082.579  
**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** 2" x 5' core barrel.  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Remarks:** Piston sampler used below 10' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, dry, silt, low plasticity, loose (till/plow zone).	
		1	SP	Dark grey, dry, poorly graded sand, fine.	
		2		At 2' bgs, pale yellow-brown layer of intact log appears to be recent. Does not turn grey when exposed to air.	
		3	SP	Dark grey, wet, poorly graded sand, fine.	
		4			
		5	SP	Same as above.	
		6			
		7		Intact log (rings present), turns grey when exposed to air.	
		8	SP	At 8', grades back to poorly graded sand, fine (same as above).	
		9			
		10	SP	Dark grey, sand, fine, interbedded woody debris throughout.	
		11			
		12			
		13		Intact log encountered, turns grey when exposed to air.	
		14			
		15	SP	Dark grey, wet, poorly graded sand, fine, wood interbedded at top of boring. Grades to fine to medium at 19-20' bgs and has distinct red and white grains.	
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 = denotes groundwater table

**Drill Date:** September 26, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd/ Cascade Drilling  
**Drill Type:** Truck CME probe  
**Sample Method:** 2" x 4' core barrel.  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 16 ft bgs  
**Groundwater ATD (ft bgs):** 4' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 18.20 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 701505.841  
**Longitude/Easting:** 1186187.622  
**Casing Elevation:** NA

**Remarks:** Autumn Village Apartments. Piston sampler used below 4' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light brown, dry, silty sand, fine, silt 3%, gravel (rounded) 5%, color becomes dark brown and moist at 2' bgs.	
		1			
		2			
		3	SP	Dark grey, moist, poorly graded sand, fine, silt 5-10%.	
		4			
		5	SP	Same as above. Silt varies 5-15%, wet, gradational lenses of poorly graded sand and silty sand.	
		6			
		7			
		8	SP	Same as above. Silt 5-10%, fine silty laminations at 10 and 11' bgs.	
		9			
		10			
		11			
		12	SP	Same as above. Fine to medium, silt <5%.	
		13			
		14	ML/CL/PT/OL	Grades to light grey, moist, silt with sand for 6", stiff, non-plastic; then 8" of light grey, moist, clayey silt with 5% woody material, high plasticity; then 2" of dark brown peat; then 4" of light grey, silty clay, low-medium plasticity, 5% woody material; then 6" of dark brown peat grading to brown organic silt with mixture of sand in matrix and woody material. Organic silt is highly plastic, sand <10%, gravel <5%.	
		15			
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

**Drill Date:** September 26, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd/ Cascade Drilling  
**Drill Type:** Truck CME probe  
**Sample Method:** 2' x 4' core barrel.  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 12 ft bgs  
**Groundwater ATD (ft bgs):** 5' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 17.93 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 701487.556  
**Longitude/Easting:** 1186321.910  
**Casing Elevation:** NA

**Remarks:** Autumn Village Apartments. Boring in landscaping.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SW-SM	Light brown, dry, well-graded sand with silt, fine, silt 10-15%, trace gravel, rounded, some roots <5%.	
		1			
		2			
		3	SP-SM	Native, dark grey, moist, poorly graded sand with silt, fine, silt 10%, no plasticity.	
		4			
		5	SP-SM	Same as above. Wet with some silty sand lenses, grain size varies between silt and fine sand.	
		6			
		7			
		8			
		9		No samples collected from 8- 9.5 due to expendable point from groundwater sampling.	
		10	SP-SM	Same as above. Woody material.	
		11	ML	Light grey, moist, silt, stiff, very low plasticity.	
		12	CL/OL	Light grey-brown, moist, clayey silt, high plasticity, organic silt w/5-10% woody debris, 5% rounded gravel, trace sand, peat lenses (no stratification apparent, unusual mix of clasts in clayey silt matrix).	
		13			
		14			
		15			
		16			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

**Drill Date:** September 26, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd/ Cascade Drilling  
**Drill Type:** Truck CME probe  
**Sample Method:** 2" x 4' core barrel  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 16 ft bgs  
**Groundwater ATD (ft bgs):** 5' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 18.73 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 701557.263  
**Longitude/Easting:** 1186400.403  
**Casing Elevation:** NA

**Remarks:** Autumn Village Apartments

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SW	Brown, moist, well-graded sand with silt and gravel, silt 10-15%, trace cobbles, gravel 10-15%.	
		1			
		2	SP	Grades to grey, moist to wet poorly graded sand, fine-medium, gravel 10% rounded, silt <5%. 1" dark brown, organic lense at 2.5' bgs,	
		3	SP-SM	Brown, moist to wet, poorly graded sand, very fine bordering on silt size but high dilatency.	
		4			
		5	SP/SM	Same as above. Wet, silt content varies but high dilatency, low to no plasticity,	
		6			
		7	SP	Grades to dark grey, wet, poorly graded sand, fine, , 5% silt	
		8			
		9			
		10	SP	Dark grey, wet, poorly graded silty sand, fine, w/silt 5-20%, little to no plasticity, high dilatency, low plastic inorganic silt lenses at 11' and 11.5' bgs.	
		11			
		12			
		13	SP	Same as above. Becomes less saturated below 13.5' bgs, grain size variation increases, trace woody material present.	
		14			
		15	CL/PT	Top 1" consists of moist, clayey silt with organic debris, highly plastic, then 7" of dark brown, moist, woody peat, grading to 5" of light brown-grey, moist, clayey silt with woody material (roots and wood pieces), highly plastic.	
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

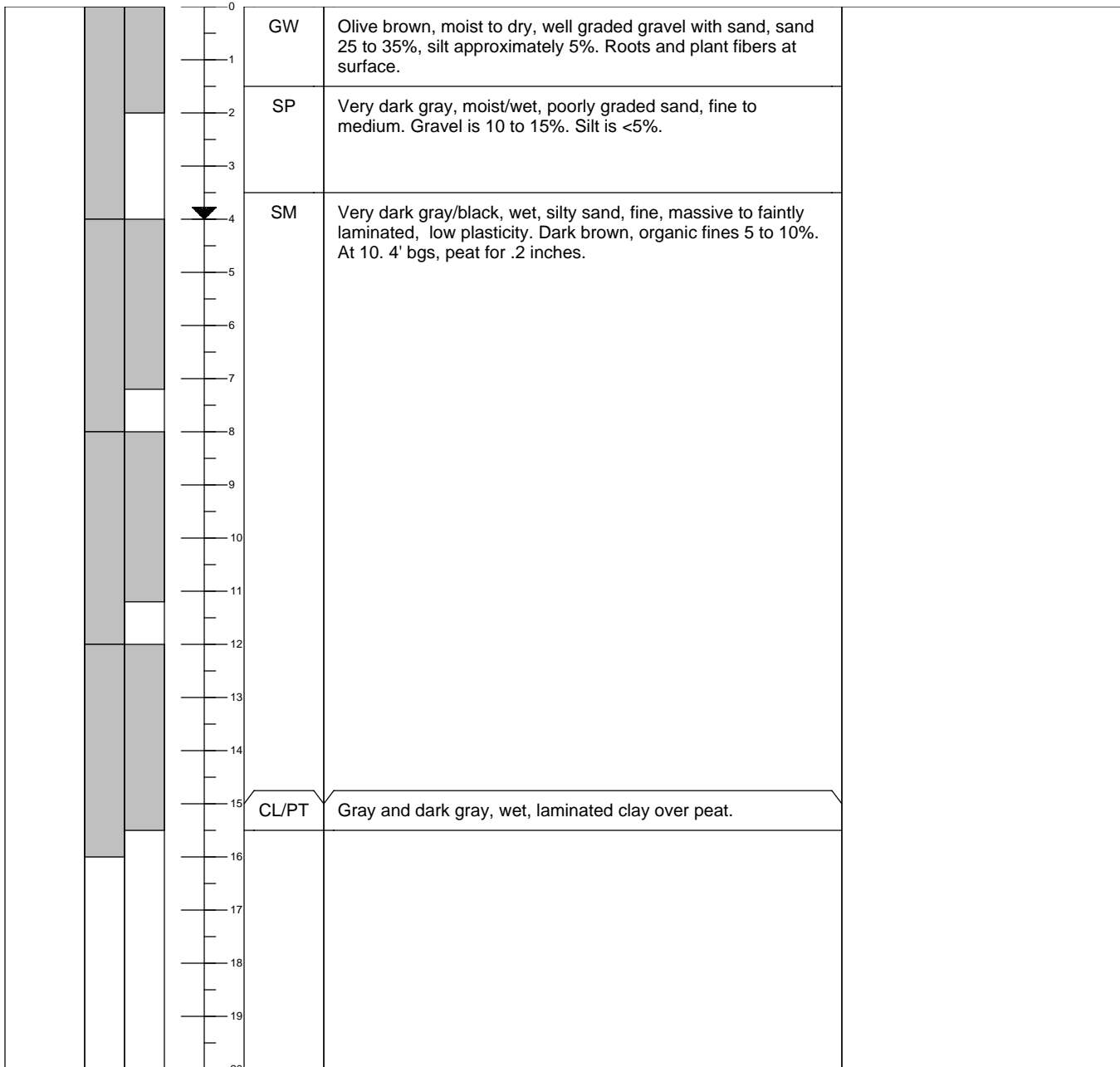
**Drill Date:** August 8, 2008  
**Logged By:** John LaManna  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** 2" x 4' core barrel  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 16 ft bgs  
**Groundwater ATD (ft bgs):** 4' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 17.21 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 701613.192  
**Longitude/Easting:** 1186474.339  
**Casing Elevation:** NA

**Remarks:** Partly sunny, breezy, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

**Drill Date:** August 14, 2008  
**Logged By:** Lisa Meoli  
**Drilled By:** Casey Goble/ Cascade Drilling

**Ground Surf Elev. & Datum:** 15.96 NAVD 88  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 701451.487  
**Longitude/Easting:** 1186108.878  
**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** 2' x 5' core barrel.  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** 4.5' bgs.

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Remarks:** Fife Fields Delineation Sampling. Piston sampler used below 10'.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	ML	Brown, dry, silt, low plasticity, some roots and vegetation throughout (till/plow zone)	
		1	SM	Dark grey and reddish brown mottled, moist, silty sand, fine, wet at 4'.	
		2			
		3			
		4			
		5	SM	Dark greyish brown, wet, silty sand, fine.	
		6			
		7			
		8			
		9			
		10	SM	Same as above.	
		11			
		12			
		13			
		14	ML/CL/PT	Light grey, clayey silt, some woody peat interbedded.	
		15			
		16			
		17			
		18	SM	Dark grey, moist, silty sand.	
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

**Drill Date:** September 26, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd/ Cascade Drilling  
**Drill Type:** Truck CME probe  
**Sample Method:** 2" x 4' core barrel  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 16 ft bgs  
**Groundwater ATD (ft bgs):** 4' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 18.28 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 701457.951  
**Longitude/Easting:** 1186249.760  
**Casing Elevation:** NA

**Remarks:** Autumn Village Apartments. Piston sampler used below 4' bgs.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SW	Light brown, moist, well-graded sand w/silt and gravel, silt 10%, gravel 25% (fill).	
		1			
		2			
		3			
		4	SP/SM	Dark grey, wet, poorly graded sand, fine, silt 5-10%, grades down to siltier silty sand, silt 10-20%.	
		5			
		6			
		7			
		8	SP	Dark grey, wet, poorly graded sand, fine, silt 5-10%, fine laminations at 10 and 11' bgs. At 10' bgs size increases, still fine. At bottom of interval, becomes stiff, fine SP/non-plastic ML for 4".	
		9			
		10			
		11			
		12	SP	Dark grey with white grains, wet, poorly graded sand, fine to medium, with 5-10% woody pieces up to 1/2".	
		13	PT/OL/CL	4" of dark brown peat grades to brown, moist, organic silt, plastic; then 6" light grey, clayey silt, highly plastic, with woody debris.	
		14	OL/CL/PT	2" light tan, solid wood, then grades back to 6" of brown, organic silt as above, grey, clayey silt as above and 6" of dark brown organic silt/peat with sand (5-10%).	
		15			
		16			
		17			
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

**Drill Date:** August 7, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble / Cascade Drilling

**Ground Surf Elev. & Datum:** 17.07 NAVD 88

**Coordinate System:** NAD 83/98

**Latitude/Northing:** 701819.316

**Longitude/Easting:** 1186723.879

**Casing Elevation:** NA

**Drill Type:** Truck Geoprobe 6600

**Sample Method:** 2" x 5' core barrel

**Boring Diameter:** 2 inches

**Boring Depth (ft bgs):** 20 ft bgs

**Groundwater ATD (ft bgs):** 10' bgs

**Client:** B&L Custodial Trust

**Project:** B&L RIM

**Task Number:**

**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Overcast, 60s.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light brown, dry, well graded, silty sand with angular and rounded gravels that are > 25%. Grades down to gray, moist, sand with silt and gravels that are more rounded. Mottled brown and gray at 3.5.	
		1			
		2			
		3			
		4			
		5			
		6	SW	Brown, moist, well graded sand with silt.	
		7	SW-SM	Gray and brown mottled, moist, well graded sand with silt and gravel that is 25 to 35%. Brown cobbles at 7'. Increasing moisture grading down.	
		8			
		9	SM	Gray, wet, silty sand with gravel. Grading to well graded silty sand with no coarse grains, fine. Trace fine gravels. Silt <25%.	
		10			
		11			
		12			
		13	SW-SM	Gray, wet, well graded sand with silt and little rounded gravels.	
		14			
		15	PT/OL	Reddish brown, wet, peat. Woody with organic silt.	
		16	ML	Light gray, moist, silt, plastic with trace organics. Roots, woody debris <5%.	
		17	PT	Reddish brown, wet, peat, woody. Solid wood at 17' to 18'. Organic silt throughout.	
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

**Drill Date:** August 7, 2008

**Logged By:** Brett Beaulieu

**Drilled By:** Casey Goble / Cascade Drilling

**Ground Surf Elev. & Datum:** 18.998, NAVD 88

**Drill Type:** Truck Geoprobe 6600

**Client:** B&L Custodial Trust

**Coordinate System:** NAD 83/98

**Sample Method:** Dual Tube/Macro Core

**Project:** B&L RIM

**Latitude/Northing:** 701806.207

**Boring Diameter:** 2 inches

**Task Number:**

**Longitude/Easting:** 1186803.104

**Boring Depth (ft bgs):** 20 ft bgs

**Site Location:** B&L Woodwaste

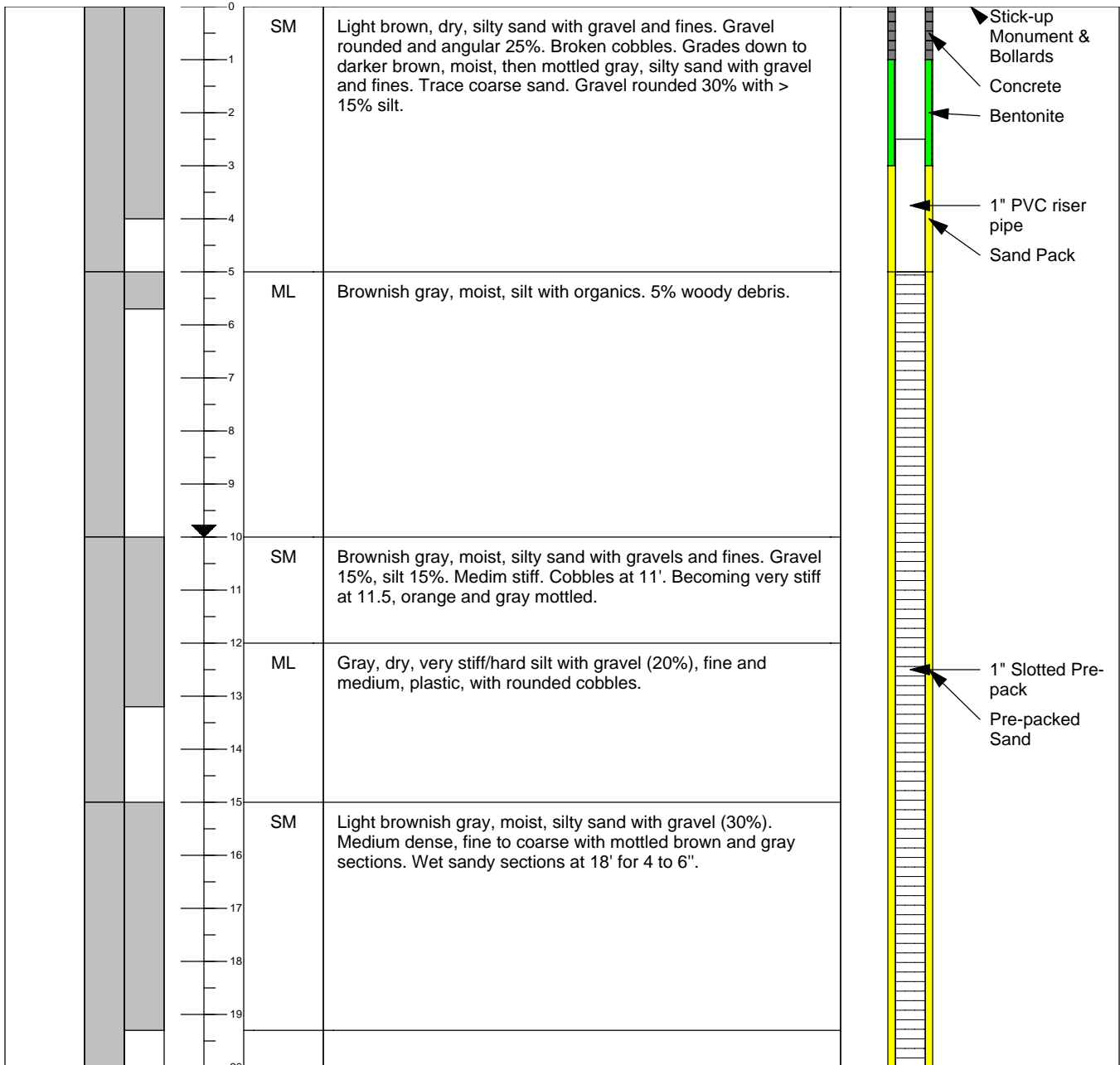
**Casing Elevation:** 21.635, NAVD 88

**Groundwater ATD (ft bgs):** 10' bgs

Pierce County, WA

**Remarks:** Driller reports difficulty with 3 1/4" dual-tube due to large cobbles. Switched to 2" x 5' macro core. Log is a composite of two drives. 5 gallons of water added during piezometer installation.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
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**Drill Date:** August 6, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd / Cascade Drilling

**Ground Surf Elev. & Datum:** 17.21 NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 701739.53  
**Longitude/Easting:** 1186682.922  
**Casing Elevation:** NA

**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** 10' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** The driller reported difficulty drilling 1st. drive. On second drive driller added 4 gallons of water to control heave after removal of 8-12' drive. Log is a composite of the two boring attempts.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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		0	SM	Light brown, dry, silty sand with gravel. Fine rounded cobbles up to 3". Gravel >30% and very dense. Possible road fill but same as native rounded gravel. Becomes light gray and moist with orange oxidation rinds around gravels.	
		1			
		2			
		3			
		4	SW/SM	Light brown and gray mottled, moist, well graded sand with silt and gravel, fines. Gravels are medium coarse, approximately 25%.	
		5			
		6			
		7			
		8			
		9	SM	Dark gray, moist to wet, silty sand with gravel, fine and rounded. Varying silt, sand, and woody debris. Lard like white substance at 9'. Munsell chart color 5YR which is very dark gray.	
		10			
		11			
		12	ML	Very dark gray, moist, plastic silt (with clays possible). Roots and waddy debris (5 to 10%) with trace to fine sand (<5%). Medium stiff. Trace charcoal.	
		13			
		14			
		15			
		16			
		17	ML/PT	Dark brown to black, wet, soft, woody peat for 6"; then grades to gray, moist to wet, silt with woody debris as described above, medium stiff to very soft, for 2"; then grades back to dark brown to black peat that turns black when exposed to air.	
		18			
		19			
		20			

**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
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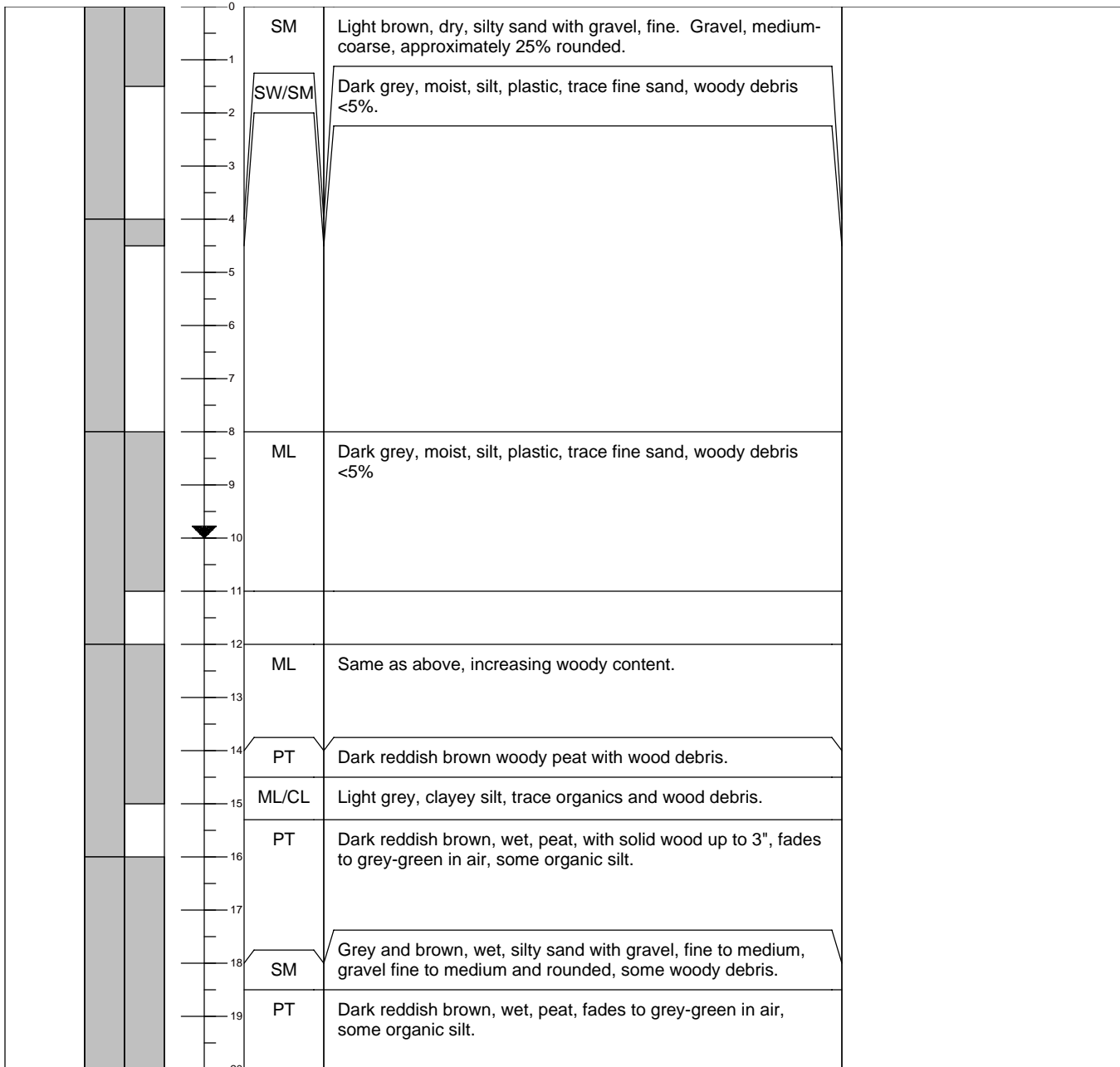
**Drill Date:** August 6, 2008  
**Logged By:** Brett Beaulieu  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** 10' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 19.670 NAVD88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 701719.308704  
**Longitude/Easting:** 1186767.139073  
**Casing Elevation:** 22.531 NAVD88

**Remarks:**

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
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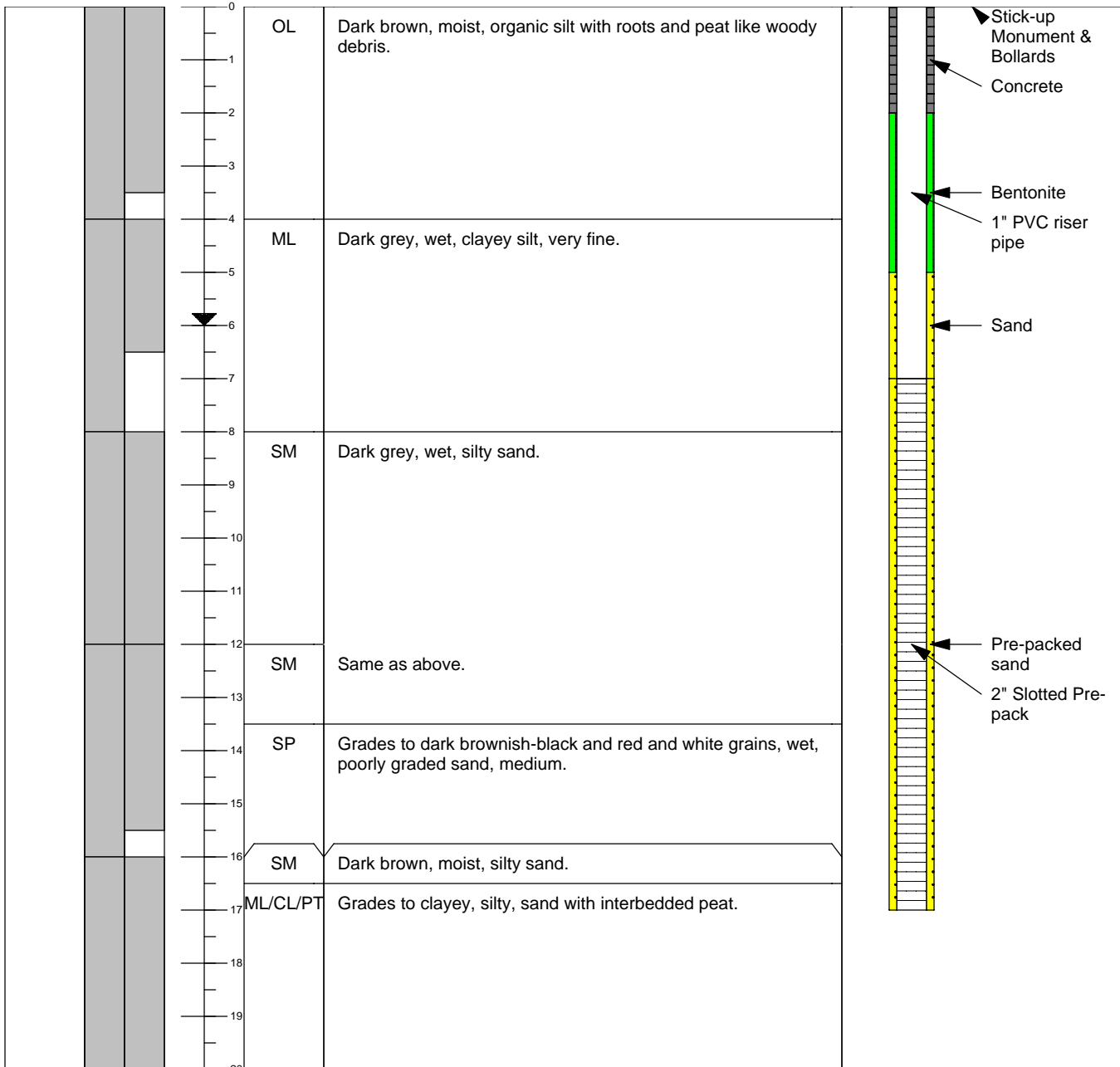
**Drill Date:** August 19, 2008  
**Logged By:** Lisa Meoli  
**Drilled By:** Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** 6' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.296  
**Coordinate System:** NAV83/98  
**Latitude/Northing:** 702820.184  
**Longitude/Easting:** 1185778.645  
**Casing Elevation:** 14.766

**Remarks:** Boring log and groundwater sample in wetland.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Drill Date:** August 19, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling

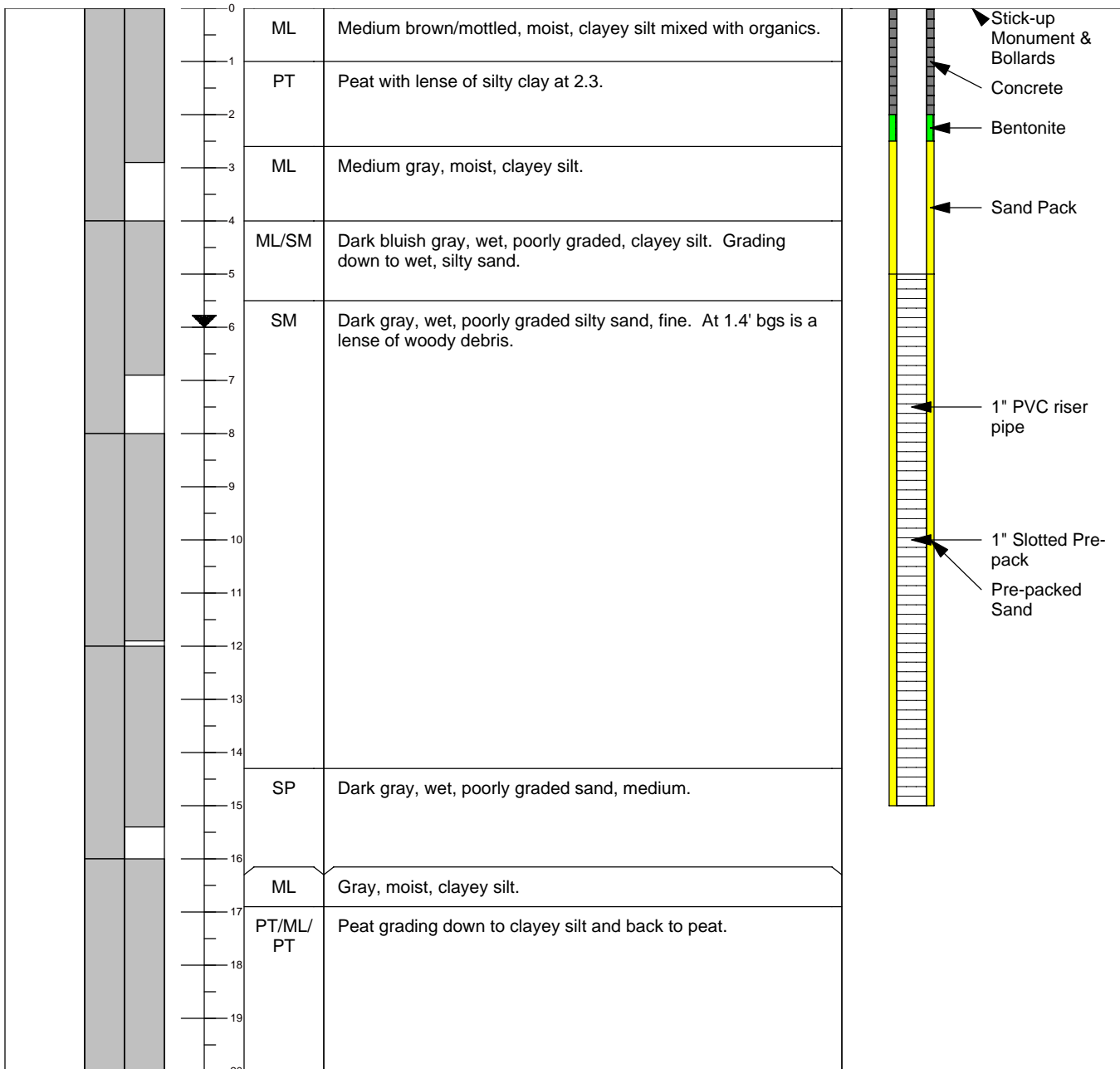
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**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702695.029  
**Longitude/Easting:** 1185752.702  
**Casing Elevation:** 15.199, NAVD 88

**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 20 ft bgs  
**Groundwater ATD (ft bgs):** 6' bgs

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:**  
Sunny, hot.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**  
FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table

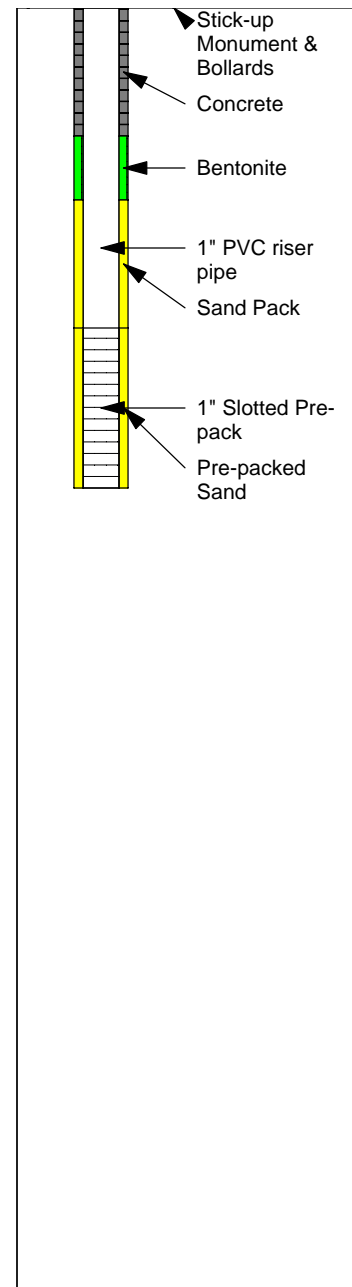
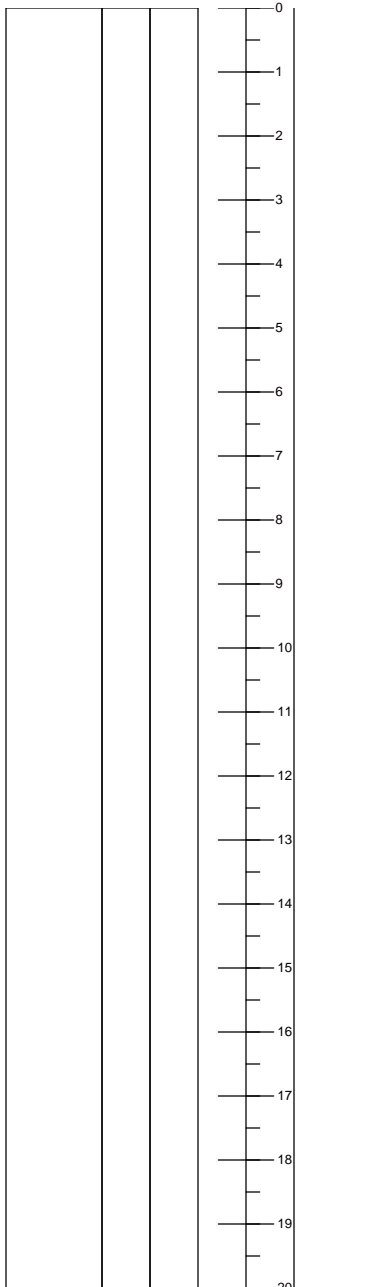
**Drill Date:** August 19, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 7.5 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.499, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702501.017  
**Longitude/Easting:** 1185675.209  
**Casing Elevation:** 15.044, NAVD 88

**Remarks:** Shallow well screen. First of three.  
 No logging was done.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

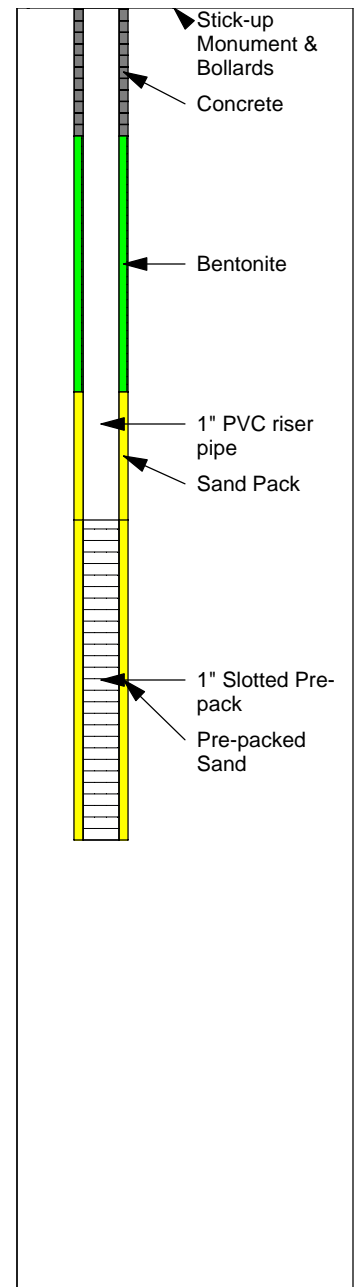
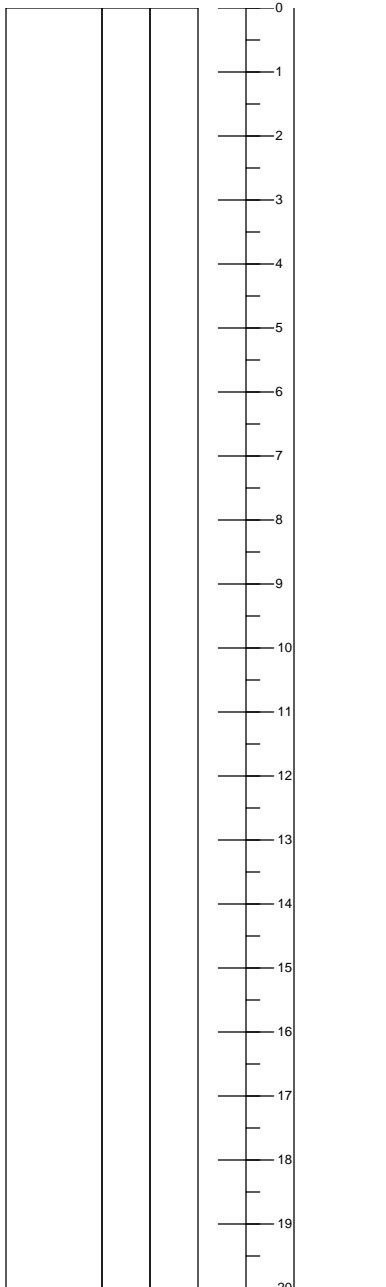
**Drill Date:** August 19, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling  
**Drill Type:** Track Geoprobe 6620DT  
**Sample Method:** Dual Tube  
**Boring Diameter:** 2 inches  
**Boring Depth (ft bgs):** 13 ft bgs  
**Groundwater ATD (ft bgs):** Unknown

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
 Pierce County, WA

**Ground Surf Elev. & Datum:** 12.299, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702497.933  
**Longitude/Easting:** 1185674.567  
**Casing Elevation:** 15.104, NAVD 88

**Remarks:** Intermediate well screen. 2 of 3.  
 No logging was done.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**  
 FT BGS = feet below ground surface  
 ppm = parts per million

USCS = Unified Soil Classification System  
 ▼ = denotes groundwater table

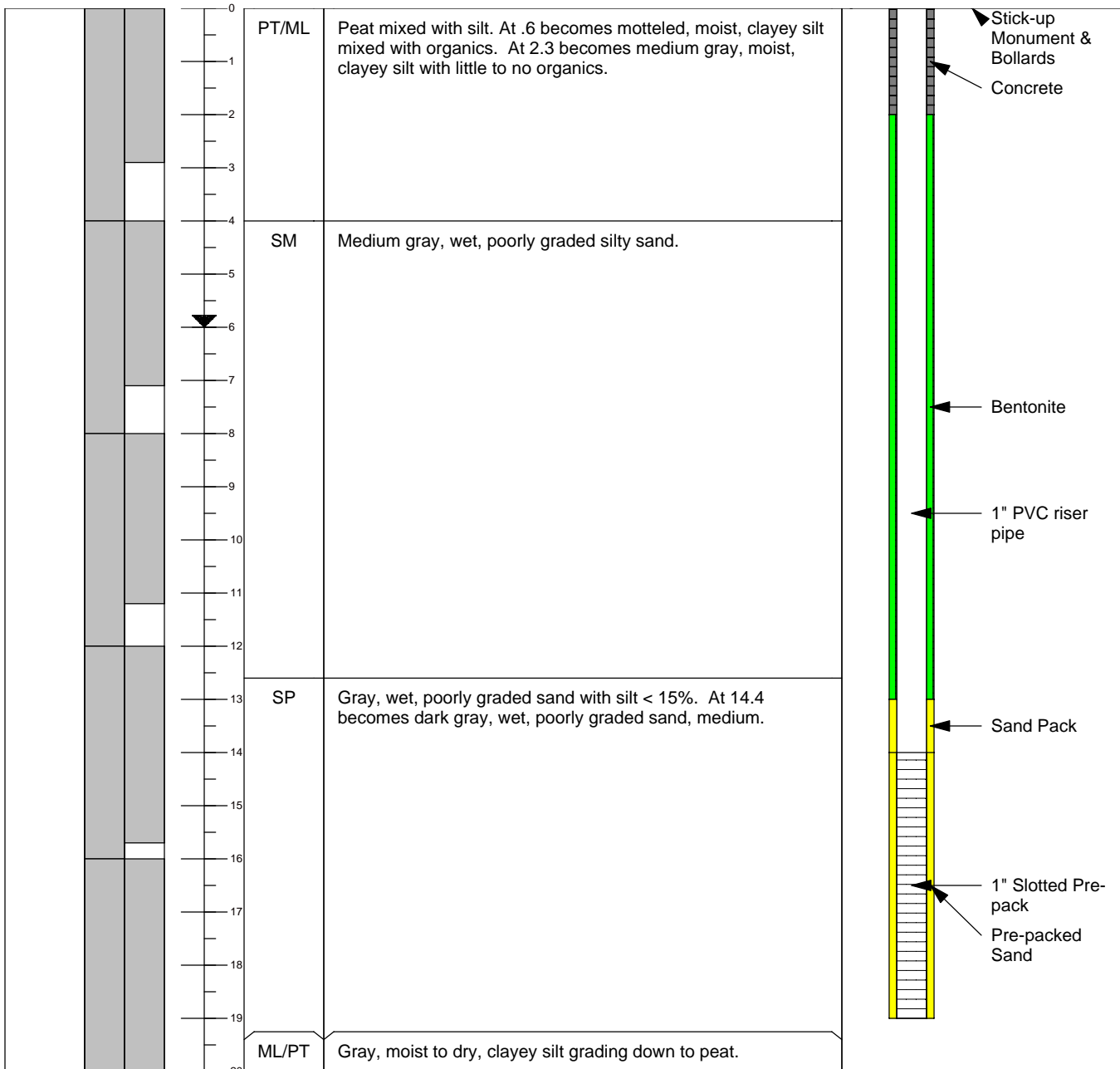
**Drill Date:** August 19, 2008  
**Logged By:** Erin Murray  
**Drilled By:** Eli Floyd / Cascade Drilling

**Ground Surf Elev. & Datum:** 12.389, NAVD 88  
**Coordinate System:** NAD 83/98  
**Latitude/Northing:** 702494.381  
**Longitude/Easting:** 1185673.518  
**Casing Elevation:** 15.039, NAVD 88

**Client:** B&L Custodial Trust  
**Project:** B&L RIM  
**Task Number:**  
**Site Location:** B&L Woodwaste  
Pierce County, WA

**Remarks:** Deep well screen. Third of three.  
Cloudy, warm.

SAMPLE ID	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS	WELL COMPLETION DETAIL (If Applicable)
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**Notes:**

FT BGS = feet below ground surface  
ppm = parts per million

USCS = Unified Soil Classification System  
▼ = denotes groundwater table