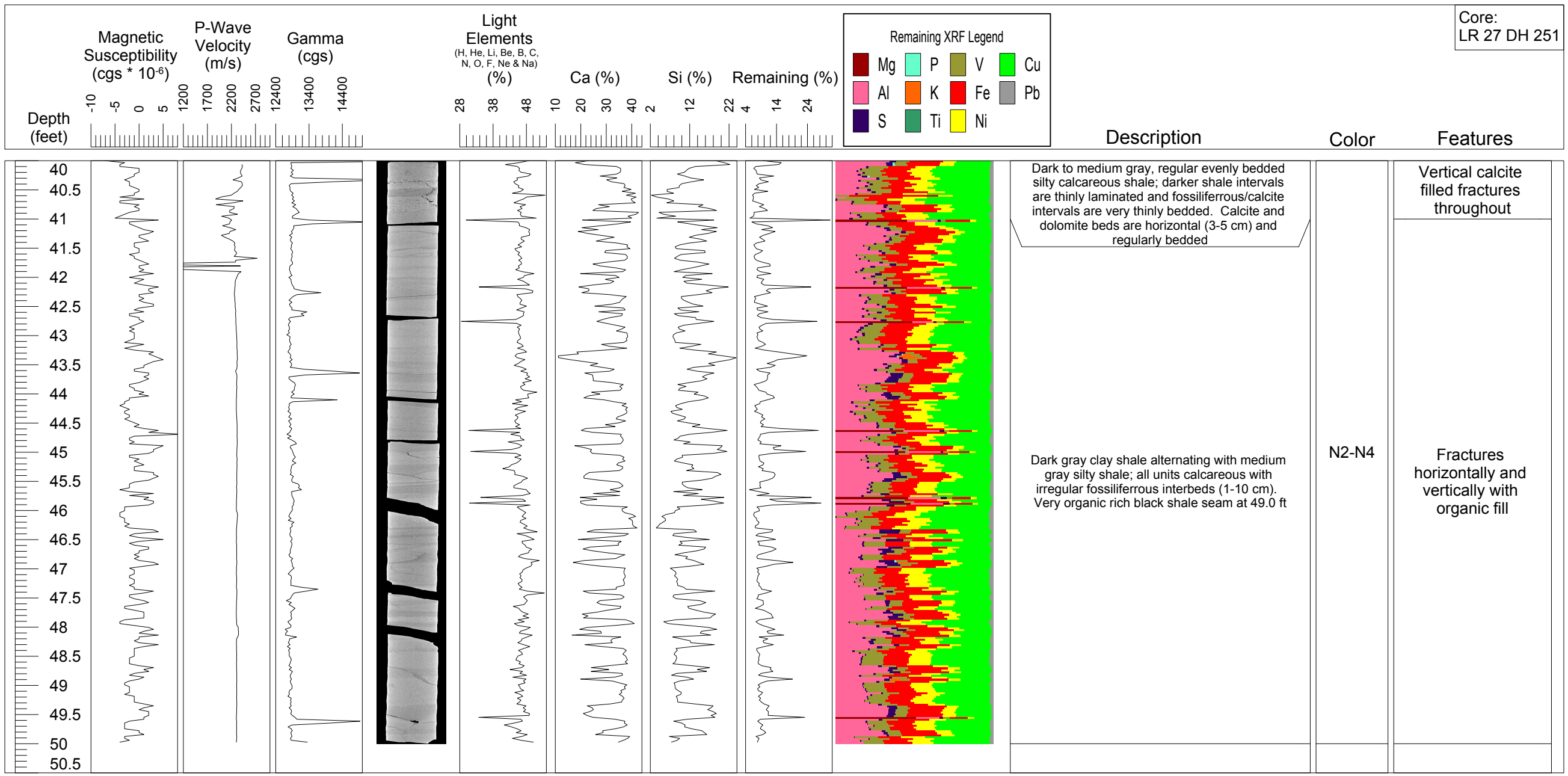


**Appendix 8-C. Lost River core charts**




**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 251**  
Hardy County, West Virginia  
Elevation: 1970.4 feet

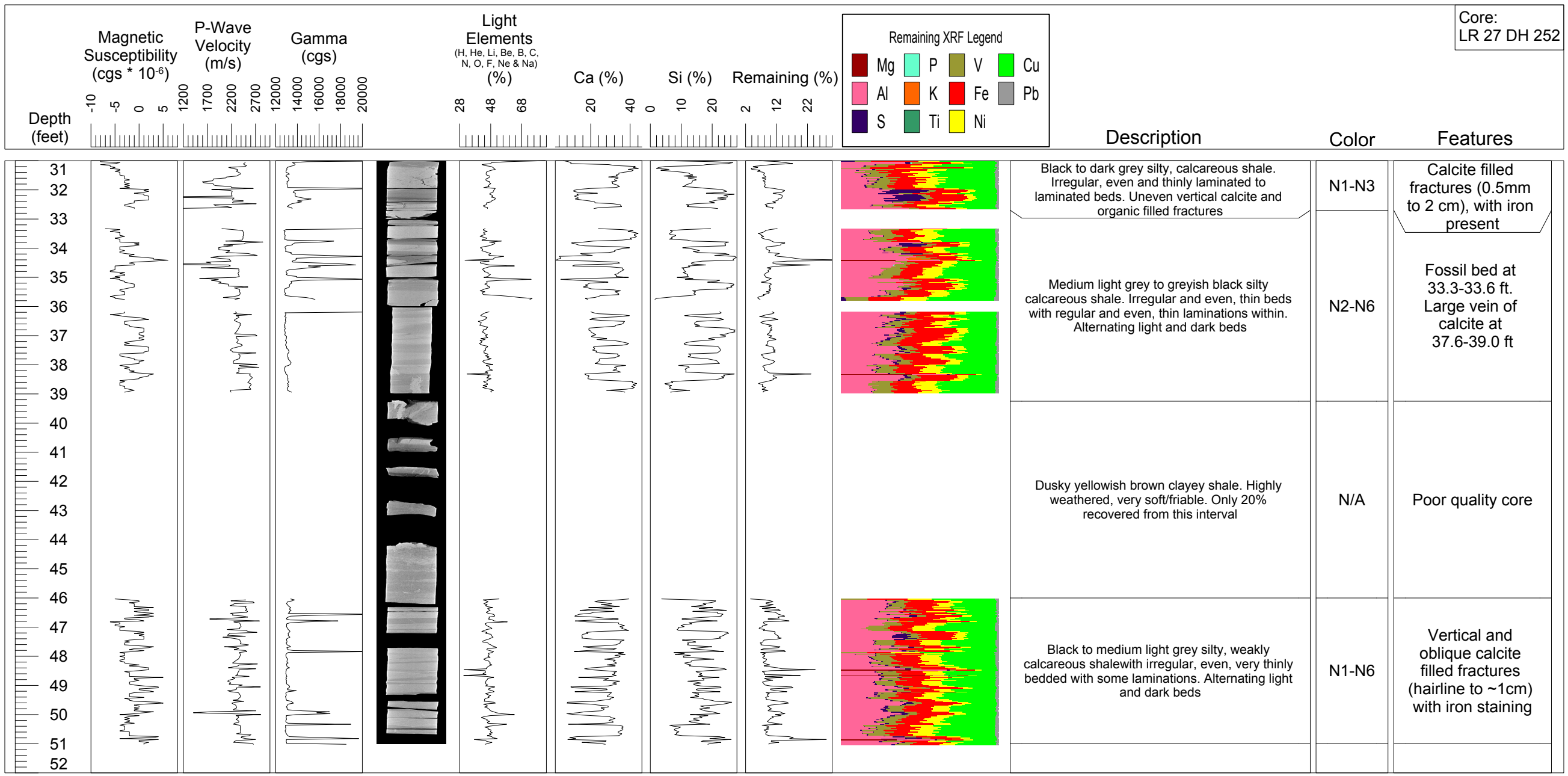
**Origin:** Cored as part of geotechnical dam survey.  
Earliest log information found is February 1977.  
June 2013 core arrived at WVGES.  
All scans done at the US Department of Energy  
National Energy Technology Laboratory  
in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri,  
Rebecca Rodriguez, Maggie Gill, John Tkach,  
Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek  
Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images -  
Toshiba Aquilion








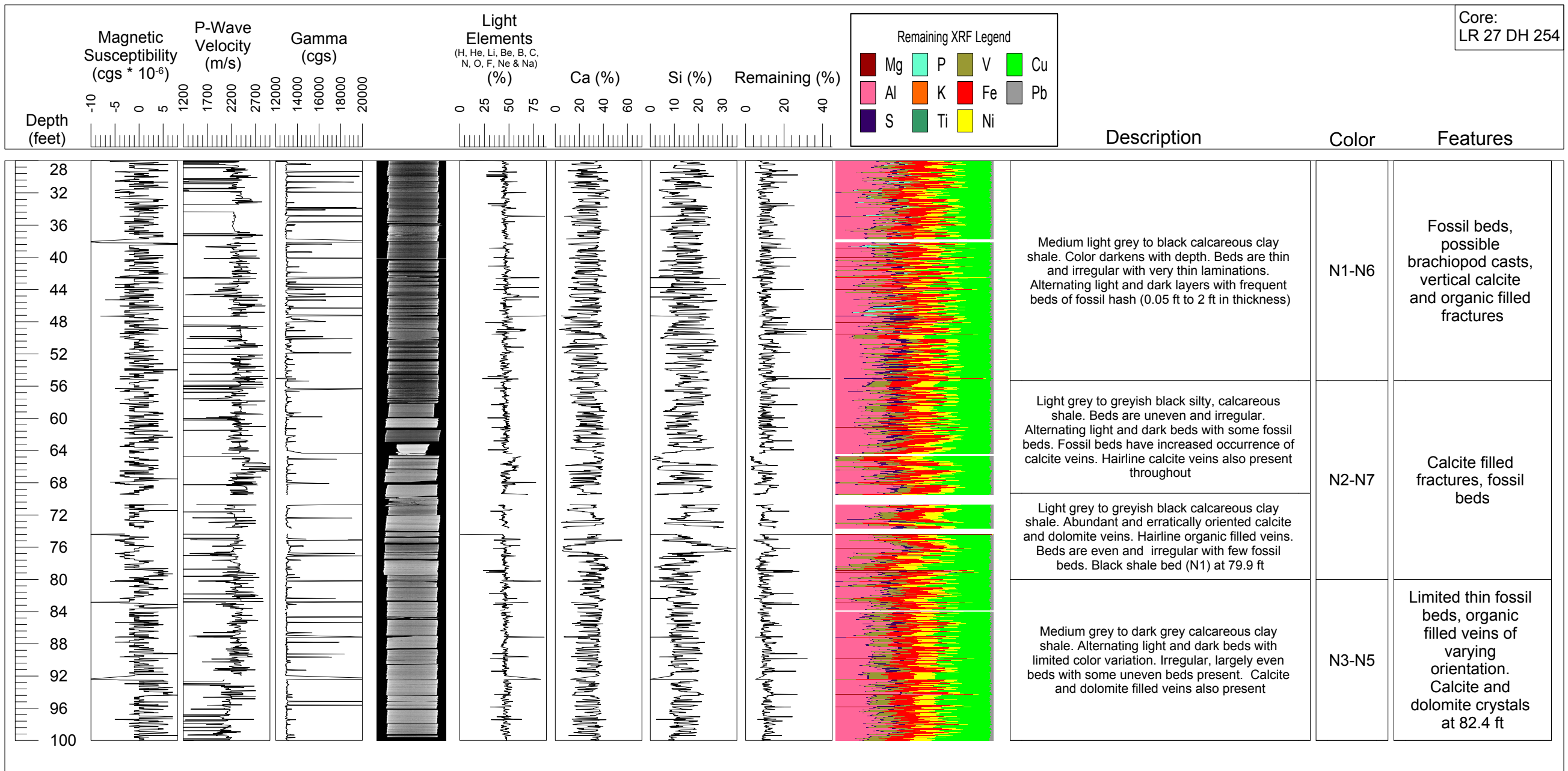
**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 252**  
Hardy County, West Virginia  
Elevation: 1983.9

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images - Toshiba Aquilion






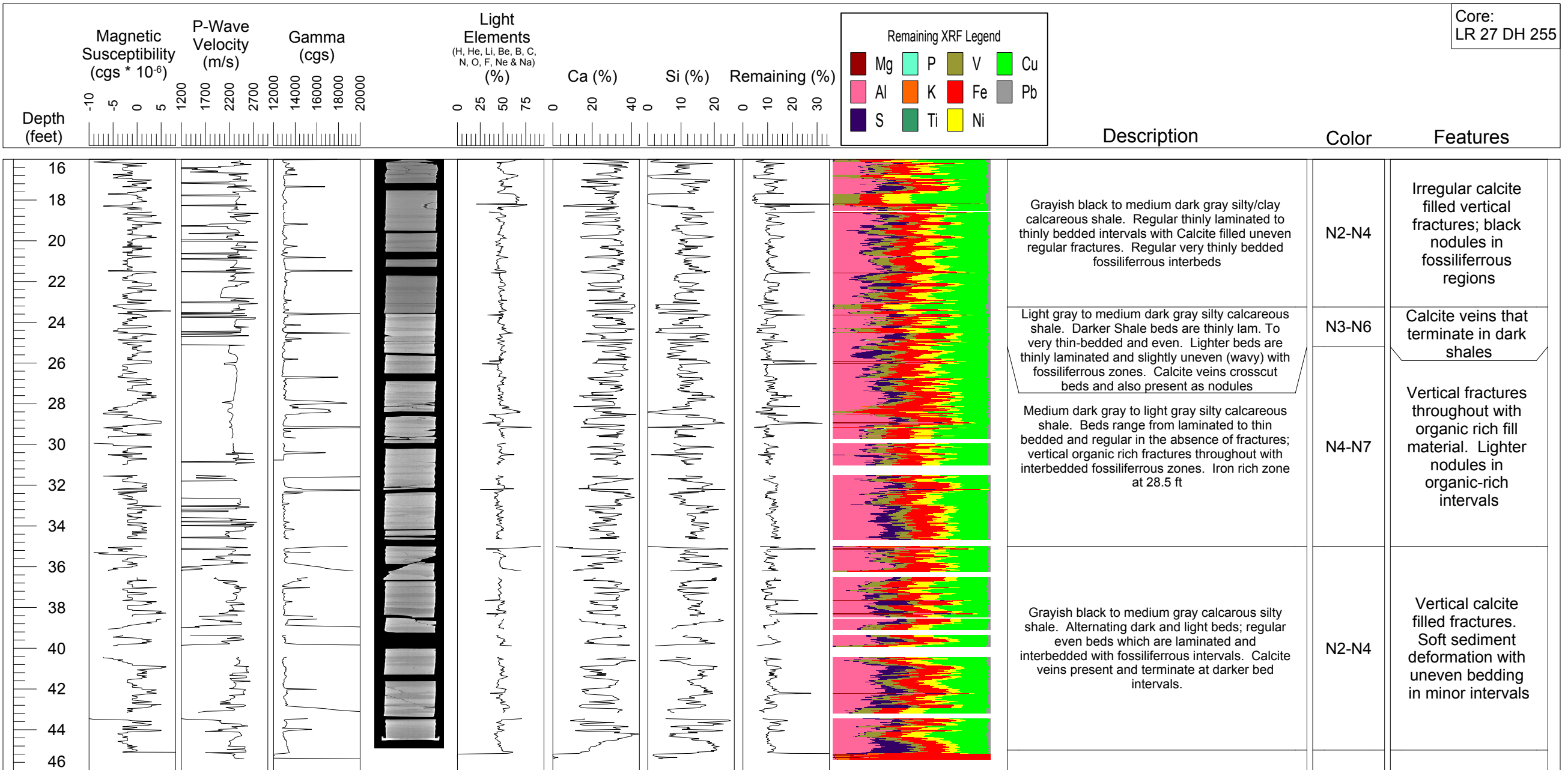
**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 254**  
Hardy County, West Virginia  
Elevation: 1964.1 feet

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek  
Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images -  
Toshiba Aquilion






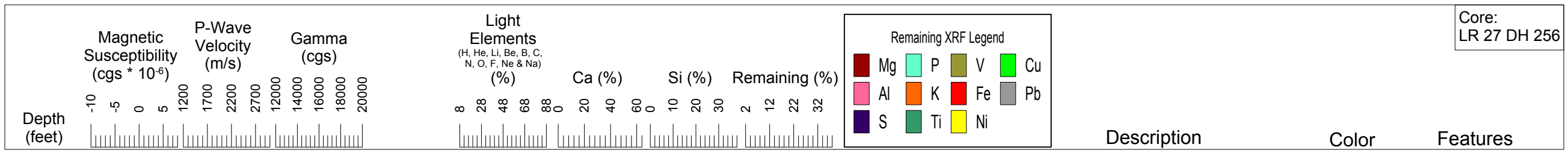
**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 255**  
Hardy County, West Virginia  
Elevation: 1986.1 feet

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images - Toshiba Aquilion






Depth (feet)	Magnetic Susceptibility (cgs * 10 <sup>-6</sup> )	P-Wave Velocity (m/s)	Gamma (cgs)	Light Elements (H, He, Li, Be, B, C, N, O, F, Ne & Na) (%)	Ca (%)	Si (%)	Remaining (%)	Remaining XRF Legend	Description	Color	Features
16											
20											
24											
28											
32											
36											
40											
44											
48											
52											
56											
60											
64											
68											
72											

**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 256**  
Hardy County, West Virginia  
Elevation: 2001.9 feet

**Origin:** Cored as part of geotechnical dam survey.  
Earliest log information found is February 1977.  
June 2013 core arrived at WVGES.  
All scans done at the US Department of Energy  
National Energy Technology Laboratory  
in Morgantown, WV July 2013.

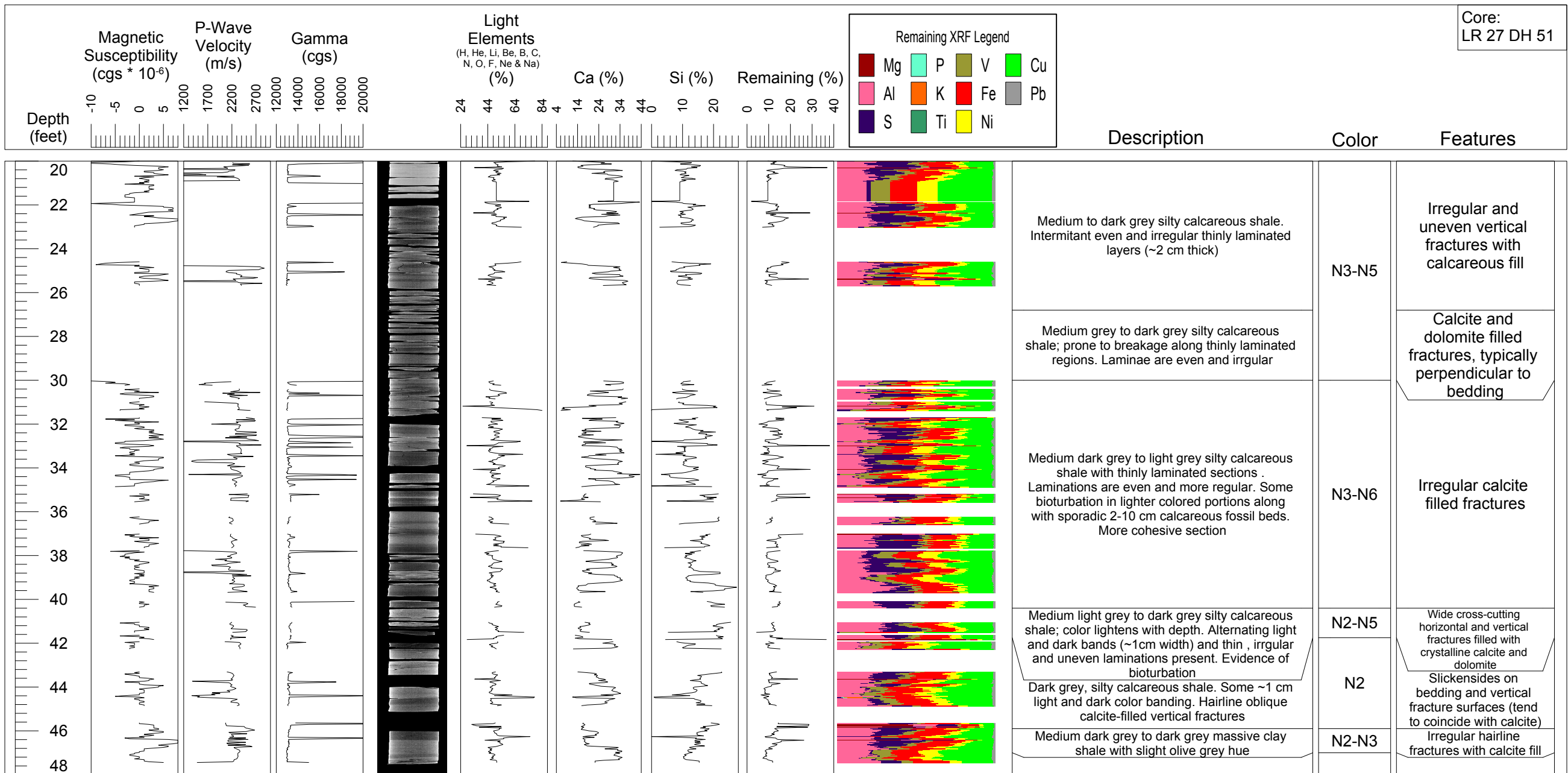
**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri,  
Rebecca Rodriguez, Maggie Gill, John Tkach,  
Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
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Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images -  
Toshiba Aquilion





Core:  
LR 27 DH 51




**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 51**  
Hardy County, West Virginia  
Elevation: 1958 feet

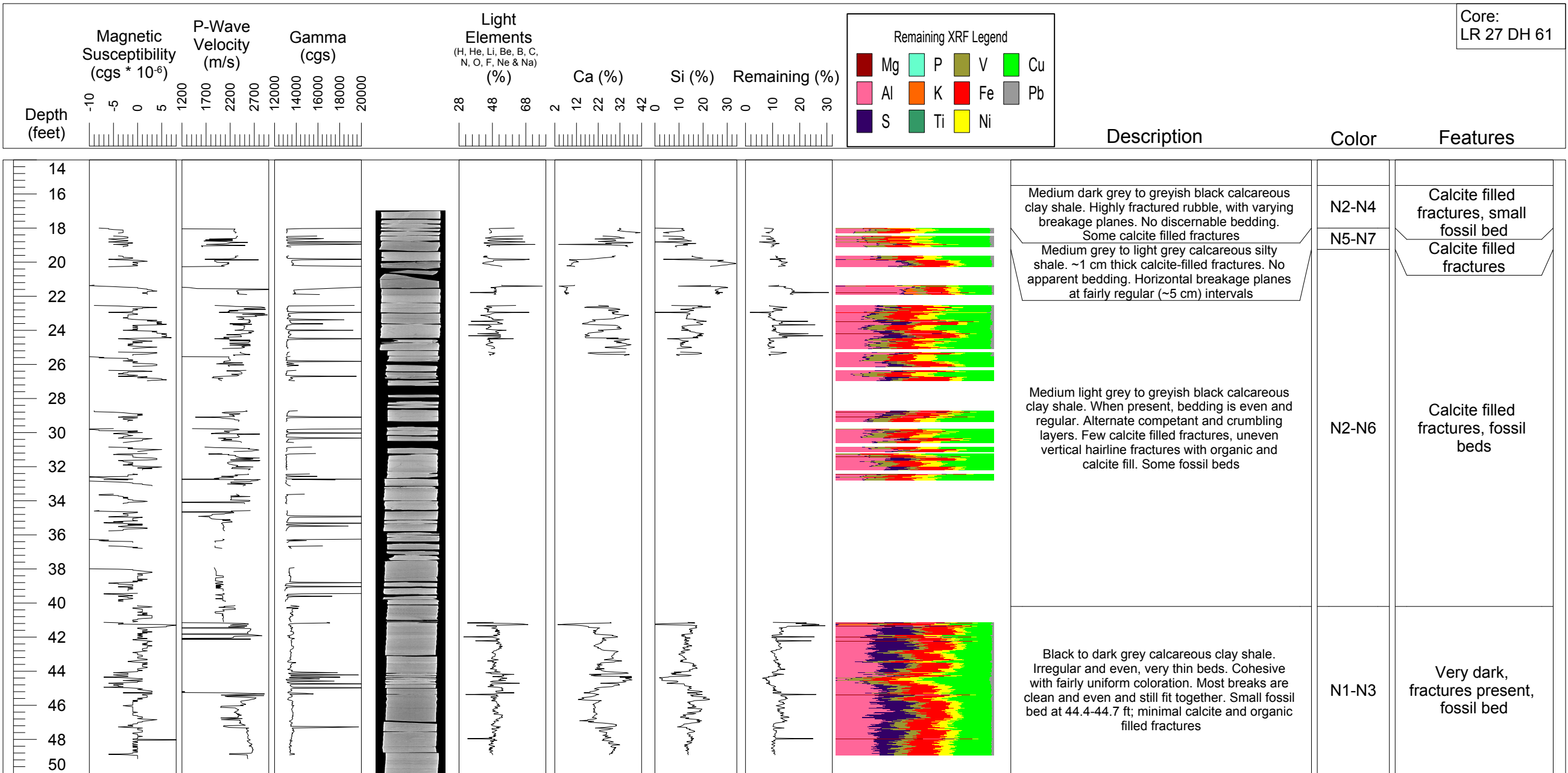
**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek  
Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images -  
Toshiba Aquilion



Core:  
LR 27 DH 61




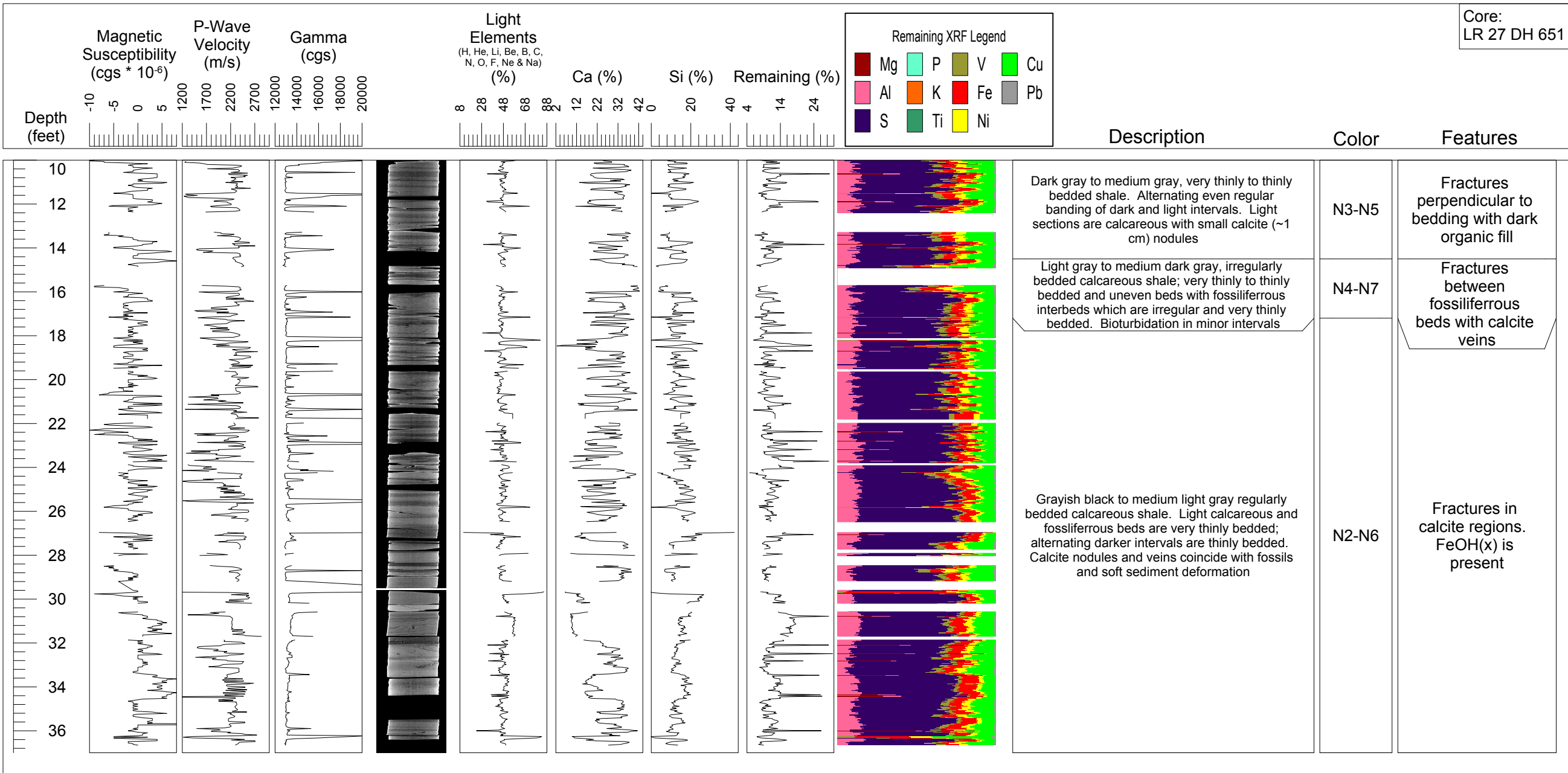
**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 61**  
Hardy County, West Virginia  
Elevation: Unknown

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images - Toshiba Aquilion






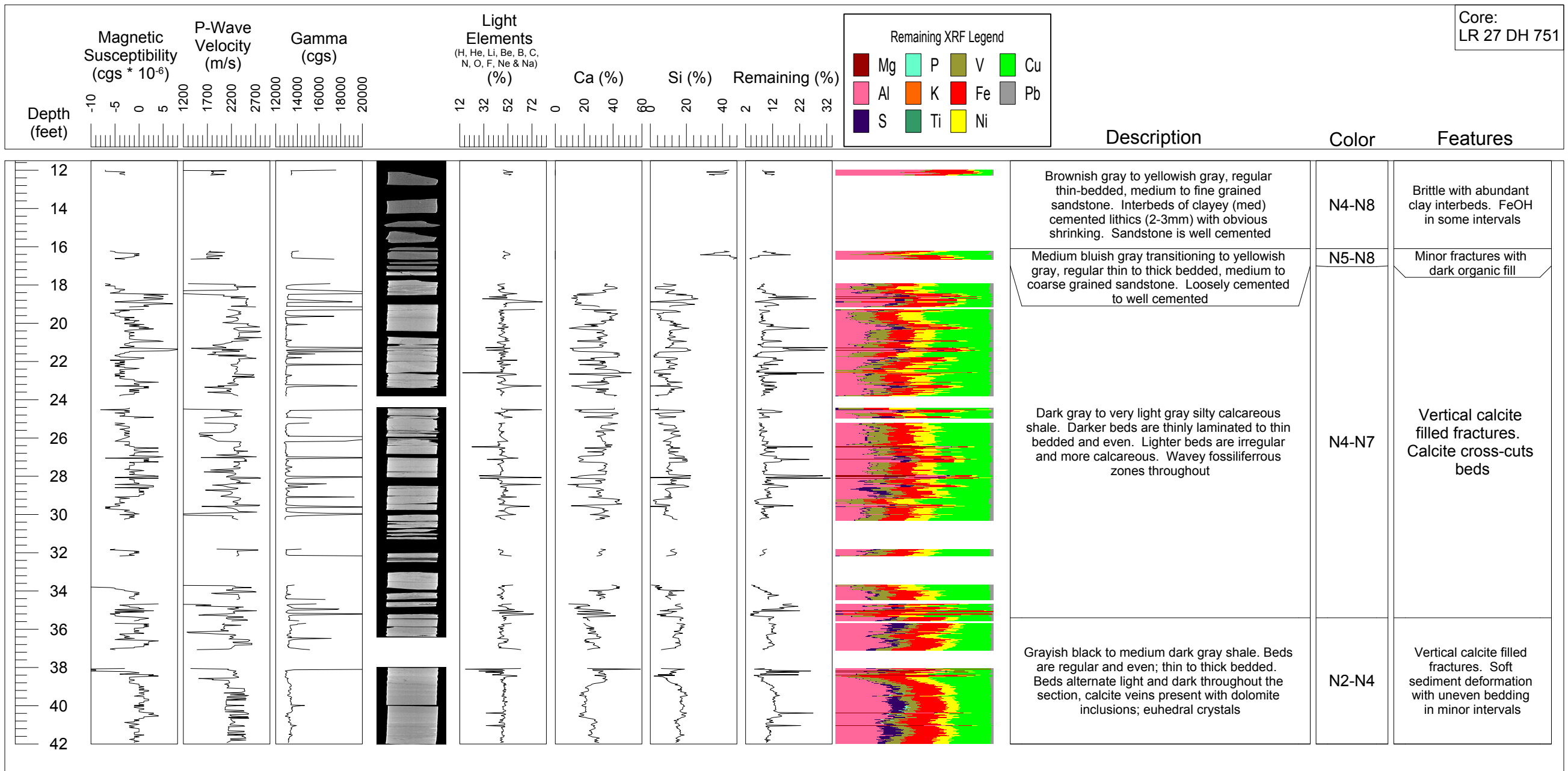
**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 651**  
Hardy County, West Virginia  
Elevation: Unknown

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek  
Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images -  
Toshiba Aquilion





**Site:** Lost River Sub-Watershed  
Potomac River Watershed Project  
Site No 27 Core **DH 751**  
Hardy County, West Virginia  
Elevation: Unknown

**Origin:** Cored as part of geotechnical dam survey. Earliest log information found is February 1977. June 2013 core arrived at WVGES. All scans done at the US Department of Energy National Energy Technology Laboratory in Morgantown, WV July 2013.

**Analysis By:** Dustin Crandall, Johnathan Moore, Poonam Giri, Rebecca Rodriguez, Maggie Gill, John Tkach, Charles Alexander & Jamal Cherry  
**Data Collection:** Bryan Tennant, Karl Jarvis & Roger Lapeer  
**Project Oversight:** Dan Soeder, Dustin McIntyre & Brian Strazisar

**Equipment:**  
Mag. Sus., P-Wave, Gamma - Geo-Tek Multi-Sensor Core Logger  
  
XRF - Innov-X Delta handheld XRF analyzer  
  
Computed Tomography Images - Toshiba Aquilion

