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Lambert Run Restoration Project

Project No. WV-218: Oldaker AMD Project: Design and Installation of a Passive AMD Treatment System
Funding: \$144,000 WVDEP, \$ Cost-Share, \$ Total Value
Project Duration: 9/21/2005 – 9/30/2007

Project No. WV-221s: Muzzleloader Club Project Sampling
Funding: \$2,600 Guardians of West Fork Watershed, \$ Cost-Share, \$ Total Value
Project Duration: 2/20/2007 – 12/31/2008

Project No. WV-221: Muzzleloader Club AMD Project: Design and Installation of a Passive AMD Treatment System
Funding: \$106,663 WVDEP, \$ Cost-Share, \$ Total Value
Project Duration: 6/10/2005 – 9/30/2007

Project No. WV-139: Lambert Run Passive AMD Treatment System, Site #9
Funding: \$149,605.24 WVDEP, \$ Cost-Share, \$ Total Value
Project Duration: 10/1/2007 – 9/30/2008

Project No. WV-137: Lambert Run Passive AMD Treatment System, Site #5
Funding: \$146,333.36 WVDEP, \$ Cost-Share, \$ Total Value
Project Duration: 10/1/2006 – 9/30/2008

Recipient: West Virginia University

Principal Investigator: Brady Gutta, Research Associate
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Project Description: The Lambert Run Restoration Project seeks to restore the water quality of this stream which has been degraded from past mining activities. Twelve water sampling and monitoring visits to the watershed in 2003, during high, medium, and low flows, determined concentrations and loads of aluminum, iron and manganese exceeded water quality standards. Partnerships were developed and a Watershed Plan was drafted and approved.

Sources of the severe water impairment were identified and passive treatment systems were designed to correct pH problems and remove metals from running water by oxidizing natural wetlands. Passive treatment systems have been designed and installed in 5 locations to balance acidity and remove high concentrations of metals from water draining formerly mined areas.

Project Significance: Lambert Run has been listed as an impaired stream in West Virginia's listing of 303(d) streams in 1996 and 1998. In 2002, the West Fork River Total Maximum Daily Load (TMDL) was finalized and Lambert Run was earmarked for reductions in metals, primarily Iron, Aluminum and manganese. Implementation of the proposed Plan will restore it to water quality standards. This was the first watershed based plan in West Virginia to receive EPA approval with the goal being the eventual removal of the stream from the list of 303(d) impaired streams.