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Implementation of the Watershed Based Plan for AMD Remediation in the Cheat River Watershed

Project No. WV-231
Recipient: West Virginia University
Principal Investigator: Richard Herd, Program Coordinator
West Virginia Water Research Institute
Funding: \$288,390 Friends Of Cheat
\$ Cost Share
\$ Total Value
Project Duration: 10/1/2006 – 9/30/2009

Project Description: The primary objective of the project is to strategically apply various acid mine drainage treatment technologies to restore water quality in 27 stream miles of the Muddy Creek basin within the Cheat River watershed. Different treatment types will be evaluated in terms of costs and ecological benefits. It provides a more effective framework for restoring the maximum number of stream miles within watersheds from acid mine drainage impairment. The National Mine Land Reclamation Center at the WV Water Research Center is an internationally recognized leader in the development of acid mine drainage treatment technologies.

Project Significance: This initiative provides a unique opportunity to reduce a substantial acid load to the Cheat River and to develop a cost-effective restoration framework that could be transferable to other sub-watersheds within the Cheat and elsewhere throughout Appalachia