

PENNSYLVANIA NONPOINT SOURCE PROGRAM
FY2008 PROJECT SUMMARY

Base Program/District Staff

Project Title: Conservation District Mining Program

Project Number: 2801

Budget: \$ 121,500

Lead Agency: Western Pennsylvania Coalition for Abandoned Mine Reclamation (WPCAMR)

Location: Western Pennsylvania bituminous coal region

Point of Contact: Garry Price, DEP or Bruce Golden, Regional Coordinator, Western Pennsylvania Coalition for Abandoned Mine Reclamation

The purpose of the WPCAMR is to promote and facilitate the reclamation and remediation of abandoned mine drainage (AMD) in western Pennsylvania. Through this project the Regional Coordinator will continue to develop an education program, coordinate AMD remediation activities, generate local support for remediation efforts, and assist watershed associations and conservation districts in the development of watershed management plans and in securing funding for AMD remediation. The Watershed Coordinator will continue to assist with the development and implementation of funded projects and the documentation of water quality improvements.

Project Title: Conservation District Mining Program

Project Number: 2802

Budget: \$ 123,500

Lead Agency: Luzerne Conservation District

Location: Anthracite and northern bituminous regions of Pennsylvania

Point of Contact: Garry Price, DEP or Robert Hughes, Eastern Pennsylvania Coalition for Abandoned Mine Reclamation

Eastern Pennsylvania Coalition for Abandoned Mine Reclamation (EPCAMR) was formed to promote and facilitate the reclamation and remediation of land and water adversely affected by past coal mining practices in eastern Pennsylvania. EPCAMR is a complimentary organization to the Western Pennsylvania Coalition. The EPCAMR Regional Coordinator will continue efforts to organize watershed associations, develop an education program, coordinate AMD remediation activities, generate local support for remediation efforts, and assist watershed associations and conservation districts in the development of watershed management plans and in securing funding for AMD remediation. The AMD Watershed Outreach Coordinator, in addition to assisting in these activities, will evaluate and comment on watershed restoration plans, seek funds for long-term maintenance projects and perform biological surveys and water quality testing on streams to document water quality improvements.

Base Program/DEP Staff

Project Title: Nonpoint Source Program-Bureau of Watershed Management and Regional Offices

Project Number: 2803

Budget: \$ 693,878

Lead Agency: Bureau of Watershed Management

Location: DEP Central Office/DEP Regional Offices

Point of Contact: Russell L. Wagner, DEP

This project will strengthen the links between Central Office Program staff and the Regional Offices and to enhance the roles of the DEP Regional Offices in the Nonpoint Source Program. The project will continue funding a total of six work years of effort for NPS activities by regional office staff in each of the six DEP Regional Offices. Any DEP regional NPS efforts above the six work years of effort will be used as part of the state match. A total of 10 work years of effort are to be provided within the Central Office to support the implementation and administration of the Section 319 NPS Implementation Program and the Citizen Volunteer Monitoring Program. The positions supporting these work years of effort include: a conservation program manager, four water pollution biologists, a hydrogeologist, a conservation program specialist, an environmental planner, a clerk typist and an administrative assistant. This project will require an additional \$ 249,732 in indirect costs.

Base Program

Project Title: Citizen Monitoring Program

Project Number: 2804

Budget: \$ 41,000

Lead Agency: DEP Bureau of Watershed Management

Location: Statewide

Point of Contact: Cheryl Snyder, DEP

The purpose of the Citizens' Volunteer Monitoring Program is to provide the means to address both the needs of the Department and local volunteer groups for support and coordination of environmental efforts, and to create environmental alliances. The program joins overall needs of DEP for citizen gathered data with public participation by establishing cooperative, environmental partnerships. This project will promote citizen monitoring activities by maintaining a Citizens' Volunteer Monitoring database registry, developing guidelines and model "Handshake Agreements" (non-binding, non-obligatory) that clearly detail the expectations of DEP program areas and citizen groups, publication of a Volunteer Monitoring newsletter, implementing a statewide "snapshot" report, training and equipping 14 lake associations, providing sample analysis through DEP lab and holding various workshops. Citizen monitoring activities will also support the measurement and documentation of water quality responses to 319-funded stream restoration projects.

Project Title: Statewide NPS Education Office
Project Number: 2805
Budget: \$ 143,700
Lead Agency: Pennsylvania Association of Conservation Districts (PACD)
Location: Statewide
Point of Contact: Steve Lathrop, DEP or Kathleen Banski, PACD

The project allows the PACD state office to continue statewide education efforts on nonpoint source issues. The intent is to generate a coordinated, unified approach through the county conservation districts to provide information to the public about the Pennsylvania Nonpoint Source Program. PACD develops and maintains information packets, brochures, a newsletter, a web site and other educational products as requested by the conservation districts and the Nonpoint Source Management Section. It also provides logistical support for an annual conservation district watershed specialist training meeting. PACD has an Education Subcommittee that provides program recommendations.

Project Title: Watershed Education for Pollution Prevention-IX
Project Number: 2806
Budget: \$ 95,000
Lead Agency: League of Women Voters of PA-Citizen Education Fund (LWV-CEF)
Location: Statewide
Point of Contact: Steve Lathrop, DEP or Sherene Hess, PA League of Women Voters
This project continues funding of the League of Women Voters of Pennsylvania Citizen Education Fund to provide money to 10 to 12 community coalitions to undertake public education and alliance building projects focused on mitigating or preventing nonpoint source pollution in degraded watersheds. An important part of these projects is that they must include municipalities and each organization receiving a grant must send a representative to the annual orientation/training workshop. This grant will also provide support for the coalitions to complete their projects, raise public awareness of nonpoint source issues and facilitate action in protecting community water resources. The maximum award for each project is \$5,000.

Project Title: Statewide Lake Water Quality Assessments
Project Number: 2807
Budget: \$ 10,000
Lead Agency: DEP Bureau of Watershed Management
Location: Statewide
Point of Contact: Barbara Lathrop, DEP

DEP will coordinate the assessment of 10 of Pennsylvania's Significant and Important Lakes. The lakes will be sampled to determine trophic status, nutrients, macrophyte coverage and fisheries (if no previous data exists). Sampling will be done by DEP or DCNR or the PFBC

using DEP's standard lake protocol. The water quality work addressed by this work plan includes the collection of samples and submission to DEP's laboratory for analysis.

Project Title: TMDL Planning
Project Number: 2808
Budget: \$ 100,000
Lead Agency: DEP Bureau of Watershed Management
Location: Statewide
Point of Contact: Bill Brown, DEP

Pennsylvania entered into a consent decree and agreement with EPA and the groups requiring completion of TMDLs for all waterbody segments impaired by resource extraction (mine drainage) listed on the 1996 303(d) list by 2009. The method used in Pennsylvania to calculate TMDLs for streams impacted by mine drainage is data-intensive. It requires at least one year of seasonal sampling for mine drainage parameters to provide a "shot-in-time" profile of the pollutant sources and their spatial distribution within watersheds. Funding from this grant will provide the data for the development of a large portion of the remaining mining TMDLs needing completion. The funding requested for this workplan will allow for the collection of watersamples. Each site will be sampled five times over a year period, including at least one sample in each season and flow condition. TMDL Program staff will coordinate the sampling efforts with District Mining Office personnel. Water quality sampling will begin in summer 2008 and continue for a year period, with samples being taken approximately bimonthly. Sample results will be entered into SIS after sample analysis; uploading into STORET will be done according to established schedules. TMDL development using the data will occur immediately on completion of the project.

National Monitoring Project:

Project Title: Urban Stormwater BMP Monitoring
Project Number: 2809
Budget: \$ 67,990
Lead Agency: Villanova University
Location: Mill Creek, Montgomery County
Point of Contact: Steve Lathrop, DEP; Dr. Robert Traver, Villanova University

The Villanova University National Monitoring Program project is designed to measure the effectiveness of several urban storm water best management practices. The project became a part of the EPA's National Monitoring Program and was initially funded in Pa.'s FFY2004 Section 319 grant. This project will continue to collect inflow and outflow and monitor nonpoint source pollutant loadings for three urban storm water best management practices located on the Villanova University campus. A Porous Concrete Infiltration demonstration site, Bio-infiltration Traffic Island and Infiltration Trench will be evaluated. Differences in flow volume and peak flow volume for wet weather flows will be measured. Mean pollutant concentrations for storm events will be developed. Pollutant concentrations and flow

averages for base flow conditions will be developed. All data collected will be included in the STORET database and the NPS National Monitoring Program database.

Implementation Program - Abandoned Mine Drainage

Project Title: Sandy Run SAO-D4 AMD Remediation

Project Number: 2810

Budget: \$ 156,000

Lead Agency: Broad Top Township

Location: Sandy Run, Bedford County

Point of Contact: Donna Carnahan, DEP; Malcolm Crittenden, DEP; Ernest Fuller, Broad Top Township

This project will continue efforts to reduce AMD loadings to the headwaters of the Sandy Run watershed. Discharge SAO-D4 is one of 21 identified discharges in the watershed and is the top priority for remediation in the watershed's recently updated implementation plan. This grant is for the permitting and construction of a passive treatment system that will remove 9% of the iron and 7% of the aluminum and acidity loadings to Sandy Run. The township will do the construction with its own employees and equipment, as it has with a recently completed sewer construction project in the watershed.

Project Title: Sandy Run SAO-D5 AMD Remediation

Project Number: 2811

Budget: \$ 219,000

Lead Agency: Broad Top Township

Location: Sandy Run, Bedford County

Point of Contact: Donna Carnahan, DEP; Malcolm Crittenden, DEP; Ernest Fuller, Broad Top Township

This grant is for the permitting and construction of a passive treatment system to help improve water quality in the upper main stem of Sandy Run. Treatment of Discharge SAO-D5 is a high priority in the watershed's recently updated implementation plan and is expected to remove 4% of the iron (1.43 tons), 8% of the aluminum (1.39 tons) and 8% of the acidity (18.57 tons) discharged to Sandy Run annually. This project will involve a vertical flow wetland treatment system utilizing approximately 1,750 tons of limestone and at least partial removal of a coal spoil pile on the treatment site.

Project Title: Sandy Run AMD Conceptual Designs and Estimates

Project Number: 2812

Budget: \$ 15,600

Lead Agency: Broad Top Township

Location: Sandy Run, Bedford County

Point of contact: Donna Carnahan, DEP; Malcolm Crittenden, DEP; Ernest Fuller, Broad Top Township

The objective of this project is to update information and develop detailed conceptual designs and cost estimates for designing and constructing AMD treatment systems on the remaining untreated discharges in the Sandy Run watershed. These remaining discharges are estimated to contribute 32 tons of iron, 14 tons of aluminum and 209 tons of acidity to Sandy Run annually. Remediation of these sites will restore approximately 2.5 miles of the middle and lower sections of Sandy Run and meet the required TMDL load reductions for metals and acidity.

Project Title: KORB Design and Reclamation Project

Project Number: 2813

Budget: \$ 402,082

Lead Agency: Pike Township

Location: Anderson Creek, Clearfield County

Point of Contact: Donna Carnahan, DEP; Mario Carrello, DEP; Jim Norris, Pike Township

This project will accomplish site reclamation and treatment system design to abate AMD discharges KORB 1, KORB 2 and KORB 3, which flow into an unnamed tributary to Anderson Creek. Site reclamation will include testing and either capping or removal of coal spoil, grading and application of fly ash and soil amendment to aid the establishment of vegetation. Treatment system design will involve consideration of both active and passive techniques, due to the severity of degradation of these discharges, which are listed as the #1, #4 and #6 priorities in the Anderson Creek Watershed Implementation Plan.

Project Title: Discharge 52A in the Montgomery Run Watershed

Project Number: 2814

Budget: \$47,063

Lead Agency: Lawrence Township Board of Supervisors

Location: Montgomery Creek, Clearfield County

Point of Contact: Donna Carnahan, DEP; Mario Carrello, DEP; Barbara Shaffner, Lawrence Township

This project will design and obtain the necessary permits for a passive treatment system to abate AMD discharge MON-52A to Montgomery Creek, known locally as Montgomery Run. This stream empties directly into the West Branch Susquehanna River. The soon-to-be-completed Montgomery Run Watershed Implementation Plan lists this project as its #1 priority and the first step in restoring this impaired watershed.

Project Title: Hubler Run 3 AMD Treatment System Study
Project Number: 2815
Budget: \$ 17,292
Lead Agency: EmighRun/Lakeside Watershed Association
Location: Hubler Run, Clearfield County
Point of Contact: Donna Carnahan, DEP; Mario Carrello, DEP; Anna Mae Pezzulla, Emigh Run/Lakeside Watershed Association

Water quality in the headwaters of Hubler Run has declined in the past five to seven years. This is thought to be related to residential home construction with individual on-lot septic systems on poorly vegetated surface mine spoil. This project will study the impacts on water quality of this development and prepare a preliminary design for treatment of the degraded flow to Hubler Run. The eventual implementation of this treatment system will prevent water quality improvements realized from construction of the Hubler Run 1 and Hubler Run 2 AMD treatment facilities from being offset by upstream impairments.

Project Title: Bear Creek Phase II-B
Project Number: 2816
Budget: \$ 256,790
Lead Agency: Dauphin County Conservation District
Location: Bear Creek, Dauphin County
Point of Contact: Garry Price, DEP; Dan Koury, DEP; John Orr, Dauphin County Conservation District

This project is a continuation of efforts to abate AMD contamination of Bear Creek through the installation of passive treatment facilities on three discharges in the watershed. Discharges #1 and #2 are being treated in Phase I of this effort. The larger Discharge #3 will be addressed in two projects, Phase IIA (being funded through a Growing Greener County Initiative Grant) and the proposed Phase IIB, for which final design and permitting are currently underway. This project will eliminate the largest single source of iron loading and the last significant discharge in the watershed.

Project Title: West Ferris Wheel AMD Treatment Design
Project Number: 2817
Budget: \$ 40,828
Lead Agency: Clearfield Creek Watershed Association
Location: Little Laurel Run, Cambria County
Point of Contact: Donna Carnahan, DEP; Arthur Rose, Clearfield Creek Watershed Association

This project is to fund the design and permitting of a passive treatment system for three acid mine discharges located in the headwaters of Little Laurel Run, a tributary of Clearfield Creek in

northern Cambria County. These discharges are responsible for 35% of the acid load, 46% of the iron load, and 53% of the aluminum load to Little Laurel Run. Completion of this project along with a current project under construction on the nearby Klondike discharges, will account for 88% of the acid load in the upper 1.5 miles of Little Laurel Run. Completion of this design and permitting project will be followed up with a later proposal to complete the construction.

Project Title: ER-13 AMD Treatment Project

Project Number: 2818

Budget: \$ 0

Lead Agency: Emigh Run/Lakeside Watershed Association

Location: Emigh Run, Clearfield County

Point of Contact: Donna Carnahan, DEP; Anna Mae Pezzulla, Emigh Run/Lakeside Watershed Association

This project was removed from the grant.

Project Title: ER-8 AMD Treatment Project

Project Number: 2819

Budget: \$ 170,646

Lead Agency: Emigh Run/Lakeside Watershed Association

Location: Emigh Run, Clearfield County

Point of Contact: Donna Carnahan, DEP; Anna Mae Pezzulla, Emigh Run/Lakeside Watershed Association

This discharge has been identified as third priority in the restoration plan. The ER-8 discharge emanates from under a haul road from a reclaimed surface mined area and is severely degraded from water seeping acidic soils. The design calls for the construction of a passive treatment system consisting of a series of two limestone cells followed by a settling basin. Successful treatment of this discharge will remove the loadings of 45 lb/day acidity, 0.5 lb/day of iron and 4 lb/day of aluminum from Emigh Run plus adding 90mg/Liter of et alkalinity to the stream.

Implementation Program/Agricultural

Project Title: Agricultural Restoration in Impaired Watersheds

Project Number: 2820

Budget: \$ 235,528

Lead Agency: Union County Conservation District

Location: Buffalo Creek Watershed

Point of Contact: Carl Rohr, DEP; William Deitrick, Union County Conservation District; Allan Grundstrom, Buffalo Creek Watershed Alliance

This project is to provide funding to assist landowners to implement agricultural BMPs. The implementation will be focused in priority sub-watersheds and impacts streams identified by

DEP as impaired from sediments and nutrients. BMPs to be implemented will include streambank fencing, cover cropping, heavy use area protection, diversions, waterways, riparian buffers and roof run-off controls. Some funds will also be used for a staff person to continue to enlist the cooperation of landowners to participate in the program.

Project Title: Conowingo Creek Pilot Program

Project Number: 2821

Budget: \$ 129,487

Lead Agency: Trout Unlimited, Donegal Chapter

Location: Conowago Creek, Lancaster County

Point of Contact: Carl Rohr, DEP; Glen Nephin, Trout Unlimited, Donegal Chapter

The recently completed Conowago Creek watershed implementation plan identified 126 priority sites for addressing the nonpoint problems in the watershed. This project is the first step in addressing those priority sites. The approach is to start at the top of the watershed and proceed downstream. Five sites have been identified for this project. All projects involve bank stabilization efforts. Over 1,600 feet of streambanks will be stabilized as well as 2,000 feet of streambank fencing and 2 acres of forested buffer plantings.

Implementation Program – Stormwater/Urban

Project Title: Little Pine Creek Restoration Project

Project Number: 2822

Budget: \$ 133,055

Lead Agency: Penns Woods West Trout Unlimited, Inc.

Location: Pine Creek, Allegheny County

Point of Contact: Joe Kelly, DEP; Greg Holesh, DEP-SWRO; Tom Walsh, Trout Unlimited, Inc.

The project will design and construct 1,000 liner feet of natural stream channel restoration. The stream has experienced significant bank erosion and excessive sediment deposition due to high flows during runoff events. Urban encroachment on the stream has been a cause of stormwater problems.

Project Title: Stormwater Retrofit Project

Project Number: 2823

Budget: \$ 72,327

Lead Agency: Borough of Mount Pleasant

Location: Jacobs Creek, Westmoreland County

Point of Contact: Steve Lathrop, DEP; Stuart Demanski, DEP-SWRO; Jeff Landy, Borough of Mount Pleasant

This project will implement stormwater BMPs in the Borough of Mount Pleasant to slow the rate of stormwater runoff during high flow events. This will be done through the construction of rain gardens in municipal and commercial parking areas in the Borough. Also, the project will map existing BMPs that may need to be repaired or enhanced to ensure they are as functional as possible.

Project Title: Pierceville Run Stream Restoration project - I

Project Number: 2824

Budget: \$ 0

Lead Agency: York Chapter 67, Izaak Walton League

Location: South Branch Codorus Creek, York County

Point of Contact: Joe Kelly, DEP; Rick Devore, DEP-SCRO; Tom Kornbau, Izaak Walton League

This project was removed from the grant.

Project Title: Pierceville Run Stream Restoration Project II

Project Number: 2825

Budget: \$ 0

Lead Agency: York Chapter 67, Izaak Walton League

Location: South Branch Codorus Creek, York County

Point of Contact: Joe Kelly, DEP; Rick Devore, DEP-SCRO; Tom Kornbau, Izaak Walton League

This project was removed from the grant.

Project Title: Spring Run Stream Restoration Project

Project Number: 2826

Budget: \$ 283,750

Lead Agency: Fulton County Conservation District

Location: Spring Run, Fulton County

Point of Contact: Joe Kelly, DEP; Rick Devore, DEP-SCRO; Scott Alexander, FCCD

The 2004 Spring Run Watershed Assessment identifies 6,700 linear feet of impaired stream that need to be restored. This project will include design, permitting and implementation of various BMP's to repair the stream. Stream bank fencing, riparian buffer enhancements, as well as physical in-stream work are planned for the project.

Project Title: Boyce/Mayview Northern tributary, Chartiers Creek, Water Quality and Habitat Improvement

Project Number: 2827

Budget: \$ 140,000

Lead Agency: Township of Upper St. Clair

Location: Chartiers Creek, Allegheny County

Point of Contact: Joe Kelly, DEP; Gregory Holesh, DEP-SWRO; Walter Jarosh, Township of Upper St. Clair

A large amount of debris was dumped in the location of the current stream several years ago. The volume of stormwater runoff has increased due to development in the watershed. Excessive erosion and exposure of dumped material has occurred. The project will relocate approximately 670 linear feet of the stream to direct flow around the area of dumped material. This will require construction of approximately 800 linear feet of new stream channel, utilizing accepted fluvial geomorphologic (FGM) principles.

Project Title: McLaughlin Run Stream Bank Stabilization Project

Project Number: 2828

Budget: \$ 50,000

Lead Agency: Borough of Bridgeville

Location: McLaughlin Run, Allegheny County

Point of Contact: Joe Kelly, DEP; Greg Holesh, DEP-SWRO; Lori Collins, Borough of Bridgeville

According to a watershed assessment completed in 2000, stream impairments are the result of high stormwater flows during runoff events causing excessive stream bank erosion. It recommended that the stream should be improved using Natural Stream Channel Design Methods. This will be accomplished over approximately 500 linear feet of stream channel.

Project Title: Villanova University Stormwater Wetland BMP Reconfiguration

Project Number: 2829

Budget: \$ 185,000

Lead Agency: Villanova University

Location: Mill Creek, Montgomery County

Point of Contact: Russell Wagner, DEP; Kimberly Long, DEP-SERO; Bridget Wadzuk, Villanova University

This project will build a Constructed Stormwater Wetland (CSW). The CSW will enhance existing stormwater BMP's, reduce NPS pollution and be used as a demonstration site for educational purposes. Villanova University has already built one CSW, and this will enable further study of the effectiveness of this BMP.

Project Title: Crawford County Agricultural BMP Initiative II

Project Number: 2830

Budget: \$ 102,000

Lead Agency: Crawford County Conservation District

Location: Multiple Ag-impaired watersheds, Crawford County

Point of Contact: Carl Rohr, DEP; Jennifer Mongera, DEP-NWRO; Brian Pilarcik, Crawford County Conservation District

This project will continue a previous effort to implement agricultural best management practices on four farms located on impaired streams impacted from agriculture. Crooked Creek and Conneaut Creek are the impaired streams. Landowners will provide 25% of the cost to implement the best management practices.

Project Title: Seven Springs Farm Manure Storage

Project Number: 2831

Budget: \$ 63,354

Lead Agency: Montour County Conservation District

Location: Limestone Run, Montour County

Point of Contact: Carl Rohr, DEP; Jason Fellon, DEP-NCRO; Sean Levan, Montour County Conservation District

This project is located on Limestone Run, a small stream impaired by agriculture and sedimentation. Seven Springs Farm is located in the very headwaters of Limestone Run. The project will consist of installing a manure storage system to store 6 months of animal waste generated by the poultry being produced on the farm. The landowner will pay 25% of the construction cost of the manure storage system. Currently the manure is being stacked next to the stream. The storage system will greatly reduce the potential for nutrients to enter Limestone Run.

Project Title: BMP Implementation identified in Approved Watershed Implementation Plans
Project Number: 2832
Budget: \$ 1,185,898
Lead Agency: DEP, Bureau of Watershed Management
Location: Multiple
Point of Contact: Russell Wagner, DEP

This project provides financial assistance to implement BMPs identified in Watershed Restoration Plans that have been accepted by EPA. Funding of BMPs in these watersheds will help reduce nonpoint source loads, achieve load reductions identified in the TMDLs, restore designated uses, and with the ultimate goal of removing stream segments from the DEP Integrated Quality Monitoring and Assessment Report impaired list. Specific project locations and BMPs to be implemented have not been identified at this time. However, before any project is implemented, the proposed scope of work and budget will be submitted to the EPA project manager for approval.

Project Title: Healthy Waters Initiative
Project Number: 2833
Budget: \$ 50,000
Lead Agency: DEP, Bureau of Watershed Management
Location: Multiple
Point of Contact: Russell Wagner, DEP

The Department of Environmental Protection is in a position to begin implementing several elements of a Pennsylvania Healthy Waters approach. The implementation initiative will focus on an early warning system for our Exceptional Value (EV) and High Quality (HQ) waters. The project will also identify up to three locally-based priority watersheds in various parts of the state that meet selected criteria and focus all available resources, both regulatory and financial, to implement the source water protection plans to keep healthy waters “healthy”, and implement restoration plans to restore impaired waters. The ultimate goal is to link both protection and restoration together to significantly protect and restore these watersheds. Some funding will be used to help supplement monitoring and evaluation of the implementation efforts.

Grant Match

Project Title: Conservation District Fund Allocation Program (Match)
Project Number: N/A
Budget: \$ 1,823,200 (state match)
Lead Agency: Bureau of Water Quality Protection
Location: Statewide
Point of Contact: Russell Wagner, DEP

This program is administered by the State Conservation Commission and is funded from the State General Fund. This money is used to support the continuing activities of conservation

districts by partially funding a district manager and one or two district technicians in each county.

Project Title: Growing Greener Watershed Specialists (Match)

Project Number: N/A

Budget: \$ 1,963,467 (state match)

Lead Agency: Bureau of Watershed Conservation

Location: Statewide

Point of Contact: Russell Wagner, DEP

This was a new state program available for the first time in 2000. This program provides grants to conservation districts to hire watershed specialists to help foster and support local watershed groups, educational activities and watershed restoration and protection projects. A total of 66 watershed specialists have been hired. Included in their responsibilities is to provide expert advice to farmers and landowners for conservation practices and work with DEP on projects and proposals funded through the NPS 319 and Growing Greener programs.