

## Clean Water Funds

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be developed and disseminated across the state to raise public awareness about nitrogen pollution of groundwater. In concept, the educational worksheet is to be called a "Personal Nitrogen Worksheet." It is to help people understand their own contributions to the flow of nitrogen in the environment.

Another educational program is to be a program conducted by the Alliance for the Chesapeake Bay that is to educate local elected officials, staff, planners and others about non-point source pollution. It is to consist of a morning seminar and an afternoon field trip. The Alliance is also to compile a computer listing of relevant information on non-point source pollution. The list is to be available statewide. No funding amount was listed.

The third educational project is to be the development of a video that would educate the general public about watersheds and the factors involved with controlling non-point source pollution. Aerial video is to be used. Specifically, an EPA statement refers to the use of a helicopter to do the work.

### Tri-Regional Conference

A total of \$12,820 is to be used to coordinate a Tri-Regional Conference on non-point source pollution. Participants to the conference are to be the state agencies, 319 program staff from EPA Regions 3, 4 and 6, and representatives of those regions.

### Toby Creek

DER is to come up with a match to the EPA's grant of \$1,391,573 to pay for the costs of putting an

acid mine treatment plant on Little Toby Creek, in Elk County. The treatment is to be done with limestone and is expected to cost more than \$2 million to get started. The state money comes from special funds provided through a legislated bond issue appropriation, according to an EPA statement.

### Soil Microbial Enhancement

A total of \$130,015 has been allocated to a project that is to focus on rebuilding humus and microbe levels in soils in order to better treat nutrients and provide for cleaner recharge water to the ground, etc. "The research will focus on humus and microbial biomass measurements in actual field situations under standard and microbe-enhanced trials. Water quality and crop response will be monitored to document the environmental and production enhancement values of a healthy soil ecosystem compared to standard or traditional farming methods. The project is slated for Lackawanna County.

### Artificial Wetland-Field Drain

Work done by the Susquehanna River Basin Commission to create a shallow groundwater catching and treatment project built on a farm in Dauphin County which was reported by *Lancaster Farming* earlier this year. In that article, it was announced that the SRBC hoped to develop a similar project in Lancaster County. The EPA grant is to provide \$86,160 to develop that project in Lancaster County.

### Treating First Flush

The first "flush" of storm water has been found to contain the majority of non-point source contaminants. A program to test the effectiveness of the concept of a two-stage detention basin to treat that first flush of surface storm

water runoff is to be financed with \$104,000. The concept is to catch the first flush of water in a first basin and then allow the later water to bypass that basin to a larger, downhill basin. The downhill basin is to have a permanent wetland pool to treat water. It is expected that the combination of detention time, ground movement and the permanent wetland pool in the second basin will be effective in treating all the storm water.

### Wetlands Restoration

A total of \$105,000 is earmarked to be used to fence at least 22 miles of stream, fence or restore at least 50 acres of wetlands, and establish 1,000 acres of warm sea-

son grasses in a watershed in Union County.

### Limestone Drains

A total of \$137,145 is set to be used develop limestone drains to treat acidic ground water discharges at abandoned deep coal mines in the headwaters of Swatara Creek, in Lebanon County. The project is to look at the efficacy of using the limestone drains under oxic and anoxic conditions.

### East Branch Codorus Creek

A program to restore the East Branch of Codorus Creek in York County is to get \$100,000 with the project focusing on stream corridor management, such as stream bank stabilization, sediment

reduction, wetlands restoration and fish habitat improvement.

### Bear Rock Run

### Habitat Improvement

A restoration project for Cambria County's acid mine affected Bear Rock Run is to receive \$140,000 to develop limestone trenches, and artificial wetlands to deal with the acid mine and metal discharges, and help stabilize the stream and remove sedimentation.

### Oven Run

### Acid Drainage

Somerset County's Stony Creek Conemaugh River Improvement Project is to get \$86,000 for its multi-agency effort to treat acid mine drainage and restore water quality.

## Old-Time Plowboys Club At Heemet Fescht For Second Year

KUTZTOWN (Berks Co.) — While people are enjoying themselves at Heemet Fescht the Old-Time Plowboys will be hard at work cultivating the fields as the group returns to the festival for a second year. Heemet Fescht is held Aug. 13 and 14 at Kutztown University's Pennsylvania German Cultural Heritage Center. Admission is free at the festival, which also features craft, food, music and lectures about Pennsylvania German culture.

Since its founding four years ago, membership has grown and the Plowboy's mission of preserving traditional farming methods has educated many spectators. Cindy Mackiewicz, secretary of The Old-Time Plowboys and wife of founding member and president Chester Mackiewicz, says she is surprised by its popularity.

"There are 420 members. Since we started in May of 1990, we grew very fast...But there was a desire for these collectors to get together," she says of the Berks County-based group. "For the

most part, the members are local, but there are 25 members from New Jersey, and we have members from Connecticut, Maine, Massachusetts, and Florida."

All members had a piece of

farming equipment which helped bring them together as well as a willingness to teach agricultural history through their frequent demonstrations. Cindy comments,

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Members of the Old-Time Plowboys Club will display farming techniques from a by-gone era at Heemet Fescht, Aug. 13 & 14 at Kutztown University.

## 4-H Horse

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**Clover Leaf Barrel Race Horse-** 1 Keith Miller, 2 Barry Gochnauer, 3 Kristen Miller

**Raised Box Keyhole Pony-** 1 Tim Goodman, 2 John Snyder, 3 Evan Vold

**Raised Box Keyhole Horse-** 1 Keith Miller, 2 Kristen Miller, 3 Barry Gochnauer

**Saddle Seat Equitation Jr. Rider-** 1 Lisa Pannebecker, 2 Melissa Meiskey

**Saddle Seat Equitation Sr. Rider-** 1 Laura Metzler

**Hunt Seat Equitation Jr. Rider-** 1 Kerra Allen, 2 Tye Gantz, 3 Karen Craven

**Hunt Seat Equitation Sr. Rider-** 1 Kelly Sullivan, 2 Pennie Peterson, 3 Barb Hall

**Hunt Seat Equitation (Over Jumps) Jr. Rider-** 1 Christen Cavanaugh, 2 Alison Longenecker, 3 Emily Just

**Hunt Seat Equitation (Over Jumps) Sr. Rider-** 1 Megan East, 2 Tina Henry, 3 Brienne Grumbling

**Saddle Type Pleasure Horse-** 1 Laura Metzler, 2 Melissa Meiskey

**Hunter Ponies Under Saddle-** 1 Gregory Paxson, 2 Kelly Sullivan, 3 Jennifer Paxson

**Hunter Horses Under Saddle-** 1 Megan East, 2 Gabriel Bowman, 3 Heather Moyer

**Working Hunter Ponies-** 1 Alison Longenecker, 2 Stephanie Smith, 3 Gregory Paxson

**Working Hunter Horses-** 1 Christen Cavanaugh, 2 Megan East, 3 Brienne Grumbling

**Hunter Hack Ponies-** 1 Jennifer Paxson, 2 Tye Gantz, 3 Kristy Frybarger

**Hunter Hack Horses-** 1 Pennie Peterson, 2 Kelly Frybarger, 3 Joy Young

**Pleasure Pony Driving-** 1 Emily Just, 2 Evan Vold

**Pleasure Driving Horse-** 1 Amber Swinehart, 2 Laura Metzler, 3 Jennifer Goodman

**Western Walk-Jog Equitation-** 1 Brad Smith, 2 Maureen Gerhard, 3 Emily Brosey

**English Walk-Trot Equitation-** 1 Elizabeth Heisey, 2 Holly Spittle, 3 Beth Holton

**Walk, Jog, Pleasure-** 1 Emily Brosey, 2 Desiree Cisney, 3 Carl Booker

**Walk, Trot Pleasure-** 1 Holly Spittle, 2 Leanne Ressor, 3 Krystle Charles

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