



# Susquehanna Riverlands

## ENVIRONMENTAL PRESERVE



### Summer 2010 Environmental Programs

DATE	PROGRAM	LOCATION*	TIME
Wed., July 7	Wonders of Water - Water in Trouble	MML	2-3:30 p.m.
Sun., July 18	Edible Plants Walk	W	1:30-3 p.m.
Sat., July 24	Journaling Through Nature	SEIC	10:30 a.m. to noon
Aug. 2-6	Nuclear Energy Seminar for Teachers (NEST)	SEIC	8 a.m. to 5 p.m.
Thur., Aug. 12 Fri., Aug. 13 Sat., Aug. 14	PA Hunter/Fur-taker Education Course	SEIC	Thur. and Fri., 6-9:30 p.m. Sat., 8 a.m. to noon
Sun., Sept. 12	Forests and Ferns	CC	1:30-3 p.m.

\* **Location Code:** SEIC – Susquehanna Energy Information Center CC – Council Cup Overlook W - Wetlands Nature Area  
MML – McBride Memorial Library

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**For more information, please call 1-866-832-3312 or e-mail [pplpreserves@pplweb.com](mailto:pplpreserves@pplweb.com).**

Since 1980, the Susquehanna Riverlands Environmental Preserve has been providing the residents of north central Pennsylvania with quality recreation and environmental education. Encompassing 1,200 acres on both the east and west banks of the Susquehanna River, the Riverlands is jointly owned by PPL Corporation and Allegheny Electric Cooperative Inc. The preserve is on Route 11 near Berwick.



#### Your Destination for Fun and Education

Bored? Kids driving you crazy now that school's out? Not sure what to do with out-of-town visitors? Bring them to tour our wetlands nature area, Riverlands park or Council Cup for some of the best hiking trails and picnicking facilities in the area.

Or bring them out to take a look at our Susquehanna nuclear plant. We offer programs that explain how the plant works, capped off with a perimeter tour around the facility. You'll have fun and you'll learn a few things in the process.

To check on perimeter tours or picnic pavilion availability, please call the Susquehanna Energy Information Center at 1-866-832-3312.



Additional program details can be found on the Calendar of Events at [www.pplpreserves.com](http://www.pplpreserves.com).

## Wonders of Water — Water in Trouble

Wednesday, July 7

2-3:30 p.m.

McBride Memorial Library

Presented by: Mary Jo Gibson, Penn

State Master Gardener, and Clem

McIntyre, Riverlands naturalist



The McBride library's summer reading theme for children is "Make a splash – Read." In keeping with that theme, Mary Jo Gibson and Clem McIntyre present this entertaining program that will help kids ages 5-12 dive into the wonders of our planet's waters.

The second installment in our series will focus on the threats to our supply of drinking water from pollution, excess fertilizers and chemicals. We will also discuss some of the ways that we can fix these problems and make sure we have safe, clean drinking water for generations to come.



## Edible Wild Plants Walk

Sunday, July 18

1:30-3 p.m.

Wetlands Nature Area

Presented by: Gerry and Len Janus

Join Gerry and Len Janus as they return to the Riverlands with their fascinating and popular program on wild plants that can be eaten and traditionally have been used as food. They will share with us their more than 25 years of experience on gardening, herbs and wild plants on this leisurely stroll through the wetlands, focusing on recipes and preparation hints. Please dress appropriately for a walk in the woods. In case of inclement weather, the program will be moved indoors to the Susquehanna Energy Information Center. Please call ahead at 1-866-832-3312 in case of questionable weather.

## Journaling Through Nature

Saturday, July 24

10:30 a.m. to noon

Susquehanna Energy Information Center

Presented by: Nancy Bishop, Supervisor-SEIC



A glorious day spent in the great outdoors can inspire the deepest, most poetic thoughts. But putting those thoughts onto paper can be an intimidating and frustrating exercise. Nancy Bishop draws on her many years as a reporter, writer and editor to help find ways to make that process a little less painful. After

a brief discussion on technique, we will leave the SEIC for a stroll through the Riverlands, looking for inspiration as we go. In case of inclement weather, the program will be held entirely indoors. Participants will receive a free journal.

## Nuclear Energy Seminar for Teachers

Monday through Friday, Aug. 2-6

8 a.m. to 5 p.m.

Susquehanna Energy Information Center

Presented by: PPL Staff and Dr. David Simpson, Bloomsburg University



Now in its 28th consecutive year, this popular course seeks to provide educators with objective, up-to-date information about the fundamentals of nuclear power and the issues surrounding it. Through lectures, discussions and hands-on learning activities, we will explore both the promise and the challenges surrounding nuclear power. Topics will include everything from the emerging use of radioactive isotopes in medicine to daily operations at PPL's Susquehanna nuclear power plant. Tours with PPL staff and other experts will also be part of the events. NEST is open to educators in all disciplines from Grades K-12. Act 48 hours are available through your local intermediate unit.

The class size is limited and fills quickly, so register early. Please visit [www.pplprojectearth.com](http://www.pplprojectearth.com) and click on "Teacher (TEA) Workshops" for registration details.

## Hunter/Fur-Taker Education Course

Thursday, Aug. 12, 6-9:30 p.m.

Friday, Aug. 13, 6-9:30 p.m.

Saturday, Aug. 14, 8 a.m. to noon

Susquehanna Energy Information Center

Presented by Pennsylvania Game Commission

**Preregistration required**



The Susquehanna Riverlands will host the Pennsylvania Game Commission's three-day, 10-hour hunter/fur-taker education course at the Susquehanna Energy Information Center. First-time hunters and trappers must attend all three sessions and pass a written exam to qualify for a 2010 license. A certificate of training is awarded to graduates, and this certificate must be presented to initially purchase a hunting or fur-taking license.

Participants must be at least 11 years old. This program is free, but the number of participants will be limited. Preregistration is required. You must register at the Pennsylvania Game Commission Web site at <http://www.pgc.state.pa.us>. No registrations will be taken by the Susquehanna Riverlands.

## Forests and Ferns

Sunday, Sept. 12

1:30-3 p.m.

Council Cup parking lot

Presented by: Dr. James  
Montgomery, Environmental  
Studies Director, Ecology III



Soon the trees will start to turn color and the leaves will start dropping. But not before Jim Montgomery takes us out for a chance to learn how to identify some of those trees and the adaptations that allow them to survive. A botanist and world-renowned expert on ferns, Montgomery will look at the forest from floor to canopy and discuss some of the changes that take place as the plant community winds down for a long winter nap.

Montgomery's walks are a popular annual tradition here at the Riverlands. Join us to see why.

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**Of all the questions which can come before this nation, short of the actual preservation of its existence in a great war, there is none which compares in importance with the great central task of leaving this land even a better land for our descendants than it is for us, and training them into a better race to inhabit the land and pass it on. ~ Theodore Roosevelt**

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## Summer Study on the Chesapeake



King's College environmental science professor Brian Mangan and retired Berwick Area School District science teacher Mary Jo Gibson are using a PPL Project Earth grant to help educate teachers this summer about the connection between the Susquehanna River and the Chesapeake Bay. The summer graduate course, offered through King's College in Wilkes-Barre, is a partnership among King's, the Berwick School District and the Chesapeake Bay Foundation

Mangan, Gibson and a dozen teachers will be spending July 11-16 at CBF's [Karen Noonan Center](#) in Maryland. The KNC is one of five residential study centers operated by the foundation. This "green building," formerly a Chesapeake hunting lodge, is outfitted with alternative energy sources and composting toilets, providing teachers with both a residence for the week and a

lesson in sustainable living. The center also comes equipped with canoes and a 40-foot boat to explore the bay and nearby islands.

The class will cover the ecology, geography, geology, history and human culture of the most important estuary on the East Coast. But the main focus of the course is to highlight the intimate connection between the Bay and the Susquehanna River, the largest tributary of the Chesapeake. One goal of the course is to foster a sense of stewardship among the bay's upstream neighbors, and to sensitize them to the connection between activities in the upper watershed of the Susquehanna River and the health of the Chesapeake Bay. But that is not always an easy prospect.

"There is something of a disconnect," Mangan said, "in getting people in New York and Pennsylvania to care about what they see as Maryland's Bay. Folks along the Susquehanna have to recognize that their actions have a direct effect on a place hundreds of miles downstream from where they live."

Gibson, an alumna of Mangan's first bay course, will work to help the teachers convert course information into lesson plans. For the teachers taking this course and for the students they will inspire, that "disconnect" will become a little easier to bridge. This is the fourth time Mangan has offered this course in both graduate and undergraduate formats.

"PPL's Project Earth grant helps to defray the costs associated with travel and room and board at the KNC for the week," said Mangan. "Many school districts are strapped for money these days, and a grant like this makes a great difference for these teachers."

PPL's Project Earth focuses corporate resources on energy, the environment and education. The grants program directs focus toward projects that encourage action in schools near PPL facilities.

Through these competitive grants, teachers can receive \$500 to \$5,000 in funding for school projects that focus on energy issues like renewable energy demonstrations, energy conservation and the greening of schools.

The Chesapeake Bay course is open to educators from K-12 and any other college graduate interested in this topic. For more information or to inquire about registration, contact Briget Ford, King's College Graduate Program, at [brigetford@kings.edu](mailto:brigetford@kings.edu) or 570-208-5991.

~ Clem McIntyre, PPL naturalist



**Susquehanna Riverlands Environmental Preserve**  
**634 Salem Blvd.**  
**Berwick, PA 18603-9771**