THE LOWER FOX RIVER

watershed monitoring program

Ninth Annual

Watershed Symposium

Thursday, April 19, 2012

University of Wisconsin Green Bay

University Union
Phoenix Rooms

The Lower Fox River Watershed Monitoring Program is coordinated and administered by staff from the UW Green Bay Department of Natural and Applied Sciences and the Cofrin Center for Biodiversity.

Program partners:

- Appleton East High School
- Appleton North High School
- Ashwaubenon High School
- Boys & Girls Club of Green Bay
- Green Bay East High School
- Green Bay Preble High School
- Green Bay Southwest High School
- Luxemburg-Casco High School
- Oneida Nation High School
- Oshkosh North High School
- Pulaski High School
- West DePere High School

Program Website:

www.uwgb.edu/watershed

The symposium and Lower Fox River Watershed Monitoring Program are supported by a gift from Arjo Wiggins Appleton Ltd.

Agenda

2012 Watershed Symposium
Thursday, April 19, 2012
UW-Green Bay Campus
University Union Phoenix Rooms

8:15 a.m. **Registration** (Outside Phoenix B)

8:30 **Welcome & Introduction** (Phoenix B)

Dr. Kevin Fermanich, Natural & Applied Sciences, and **Annette Pelegrin**, Cofrin Center for Biodiversity, UW-Green Bay

"Regional collaborations in watershed monitoring, outreach, and education"

8:40-10:00 **Student Watershed Research Projects** (Phoenix B)
Moderator: Annette Pelegrin, UW-Green Bay

8:40 **Duck Creek Team**
Green Bay Southwest High School
Teachers: Lynn Terrien, Rick Berken

"The History of the Lower Fox River Monitoring Project" The Duck Creek team is exploring the history of the project and the trends in the data at each site since the project started.

9:00 **Apple Creek Team**
Appleton North High School
Appleton East High School
Teachers: Ryan Marx, Kara Pezzi, Jamie Sadogierski, Sheryl Stidham-Gebert

"Total Runoff and Its Effect on the Turbidity and Dissolved Oxygen Content at Apple Creek"
Using the National Weather Database's records on precipitation for testing periods on Apple Creek, we will examine possible effects of the runoff in the stream on turbidity and the levels of dissolved oxygen.

9:20 **Baird Creek Team**
Luxemburg-Casco High School
Green Bay Preble High School
Teachers: Charlie Frisk, Chris Hansel, Kevin Hendricksen

"Buffers in the Baird Creek Watershed" Our group will look into what buffers are, why they are important and what contaminants buffers are able to remove from the water. We will also look into the current state of buffers in the Baird Creek Watershed, how much has been installed, by which institutions, and some related activities by other organizations active in the watershed, such as the monitoring being done by Land Conservation and the Baird Creek Preservation Foundation.

9:40 **Spring Brook Team**
Oshkosh North High School
Teachers: Barb Reed, Mark Lieffring

"Spring Brook Nutrient Load"
The Spring Brook team will be looking at nutrient load and showing visuals of land use on our sites to better understand the variability from testing results.

10:00 **Break**

10:10-11:00 **Student Watershed Research Projects** (Phoenix B)

10:10 **Ashwaubenon Creek Team**
West DePere High School
Green Bay East High School
Teachers: Dana Lex, Rich Krieg

"Stream Conductivity & Winter Road Treatment in West DePere"
In winter, road salt keeps us safe on the roads, but this practice sometimes has a negative impact on our local streams.

10:30 **Dutchman's Creek Team**
Ashwaubenon High School
Green Bay Boys & Girls Club
Teachers: Dan Albrent, Carolina Bacelis

"Introduction to Dutchman's Creek"

10:45 **Trout Creek Team**
Oneida Nation High School
Pulaski High School
Teachers: Becky Nutt, Stefanie Stainton

"Introduction to Trout Creek"
Video Premiere-The Fox River Watershed

11:00-11:15 **Opportunities for College Credit Related to Watershed Work**
UW-Green Bay, Trent Sorenson, Coordinator for College Credit in HS, and Mona Christensen, Director of Camps

11:15-12:30 **Lunch** (Phoenix B)

11:15 **Student Awards**
Presented by Linda Bartelt, Northeast Wisconsin Educational Resource Alliance

A Global Perspective on Water Issues

"The Balanced Equation"
Learn how Racine students took on the issue of clean water in the developing world, creating a documentary of their travels and efforts in Africa and Santa Domingo.

12:30-4:00 **Tours**

Group A
Green Bay Packaging (12:45-1:45)
GBMSD Discussion (1:45-2:15) Renard Island / Cat Island Discussion (2:15-2:45)
Mahon Creek Monitoring Station (3:00-3:45)

Group B
Mahon Creek Monitoring Station (12:45-1:30)
Green Bay Packaging (1:45-2:45)
GBMSD Discussion (2:45-3:15) Renard Island / Cat Island Discussion (3:15-3:45)

Green Bay Packaging – short introduction of GBP, discuss the importance of water and the closed loop system, followed by a tour.

Green Bay Metropolitan Sewerage District meet at the Jack Day Education Center; discuss the role of GBMSD (treatment, monitoring, etc.)

Renard Island / Cat Island – discuss the history of Renard Island, current project, etc., followed by a short discussion on other proposed restoration activities (Cat Islands). Also at the Jack Day Education Center.

Participants must be wearing long pants and sleeves and sturdy footwear (no sandals, high heels or open toes). Where needed, hard hats, safety glasses and vests will be provided.

Mahon Creek Monitoring Station – Visit the U.S.G.S. water monitoring station here on the UW-Green Bay campus.

4:00 p.m. **Return to UW-Green Bay Campus**

1:30 -4:00 **Optional Activities for anyone who is not going on the tour** (Phoenix B)

12:45 ***Tapped*, The Movie**
Optional afternoon screening
(Note: running time of movie is 1 hr., 15 min)

Is access to clean drinking water a basic human right, or a commodity that should be bought and sold like any other article of commerce? Stephanie Soechtig's debut feature is an unflinching examination of the big business of bottled water.

3:00 **"The Balanced Equation" Documentary**
Presented by Madison Richards, Sinclair Richards, and Samantha Noll

This documentary, produced by three teenage girls, examines point-of-use water filtration and chemical treatment systems which are being implemented in Kenya and the Dominican Republic. It was funded by The Dow Chemical Company in partnership with The Keystone Science School.

Evening Activities (Free and open to the public)

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7:00 p.m. **Discussion: Groundwater Panel**
Bill Nabak, General Manager, Green Bay Water Utility and **Patricia Terry,** Professor, Natural & Applied Sciences

7:30 p.m. ***Tapped*, The Movie**
(University Union, Phoenix Room)

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