

TMACOG's 19th Annual Student Watershed Watch





Student Watershed Watch Summit
Toledo Zoo Nairobi Pavilion
November 19, 2008

- 9:00 - 9:30 a.m. Registration, display board set-up in the Nairobi Pavilion
9:30 – 9:35 a.m. Welcome by Dr. Anne Baker, Executive Director, Toledo Zoo
Recognition of sponsors, Matt Horvat, Maumee River Coordinator, TMACOG
9:35 – 10:05 *Sustainable Energy Solutions*, Shawn Reinhart, Environmental Manager, First Solar Perrysburg, Ohio

Workshop Sessions

- 10:05 – 10:20 a.m. Walk to Museum of Science classrooms
10:20 – 11:10 a.m. Workshop sessions (*see session descriptions*)
11:10 – 11:25 a.m. Walk back to Nairobi Pavilion and be seated

Student Watershed Presentations

with introductions by Norm Van Ness, Chief Meteorologist, NBC 24 TV

- 11:25-11:45 a.m. Ottawa River
11:45 - noon Swan Creek
Noon - 12:45 p.m. *Lunch and display board judging*
12:45-1:05 p.m. Maumee River and Eastern Maumee Bay Tributaries

In Conclusion

- 1:05-1:15 p.m. *"Who you callin' fat mucket?!"* Todd Crail, University of Toledo Department of Environmental Sciences PhD Student
Mr. Crail will reveal the secret life of North American pearly mussels, a group of organisms that benefit greatly from good water quality.
1:15-1:30 p.m. Review of the day, and display and presentation awards
Matt Horvat, Maumee River Coordinator, TMACOG

2008 Student Workshop Sessions

(Learning Lab)

Big, Slimy, and Endangered: Conservation Efforts for Hellbenders in Ohio

Gregory Lipps

Herpetologist/Conservation Biologist

At up to 2' long, the hellbender is North America's largest amphibian. Hellbenders never leave the water, and are therefore directly affected by changes in water quality. In this session, we will discuss the status of hellbender populations in Ohio and efforts to conserve this endangered salamander.

(Nairobi Pavilion)

Aquarium Careers

Jay Hemdal

Curator of Fishes and Invertebrates

The Toledo Zoo

Have you ever been interested in working with fish and other aquatic creatures? Jay will present an overview of how to prepare for and obtain a job with a zoo, public aquarium, or even a pet store.

(Education Classroom)

What is Environmental Protection All About?

City of Toledo, Division of Environmental Services

Are you interested in protecting the environment *and* getting paid for it? Learn about the kind of education that qualifies you to work for Toledo Environmental Services, and learn what kind of work you will be doing once you join the team. Environmental monitoring equipment will be available for hands-on demonstrations.

(Carousel-Birthday Party Room)

U.S. EPA Emergency Response Team

Jon Gulch

On-Scene Coordinator

U.S. EPA, Emergency Response Branch

This presentation will discuss the role and responsibility of the U.S. EPA during emergency and Superfund responses to chemical and oil spills throughout the Great Lakes. This will be demonstrated through an interactive presentation and hands-on activities, such as: "Dressing out" in PPE (Moon Suits) and responding to an "Oil Spill" in the classroom. If you are interested in science and getting dirty (and maybe sweaty), this presentation is for you.

(Great Apes Interpretive Center)

Young People as Engaged Environmental Citizens

Jan Sneddon

GREEN Program Manager

Earth Force, Inc.

What does it take to be an environmental citizen? Why is it important to be engaged in environmental issues? This session will incorporate fun activities and meaningful discussion to answer these questions. If you are interested in becoming a more active member of your community (neighborhood, school or town), this session is for you!



19th Annual Student Watershed Watch Sponsored By:



With Additional Support from the Following:



Student Watershed Watch 2008

The Student Watershed Watch is a program of guided discovery that nurtures interest in the environment and mentors the next generation of environmental stewards. Since it began in 1989, more than 18,000 students have been part of this community-wide water quality testing program.

Each fall teachers take their students to area waterways to collect samples and test water quality by measuring dissolved oxygen, acidity, turbidity, and other benchmarks. At the Student Summit, classrooms come together to present their findings, attend workshops on environmental issues, and meet with professionals working in environmental sciences.

The Student Watershed Watch is made possible through the dedication of teachers who invest their time in teacher training, through the speakers at the Summit who take time to mentor students, and through the sponsors who provide TMACOG with the materials and financial support that makes the program possible.