


## Watershed Management & Place Based Education

What is Watershed Management?

- Work with public and key stakeholders
- Identify resource concerns (field inventories, past studies, local knowledge)
- Develop action plan to protect, restore and enhance resources
  - On-the-Ground Restoration
  - Policy Changes
  - Education and Stewardship
  - Monitoring



05-31-2005

## Types of Place Based Education Programs

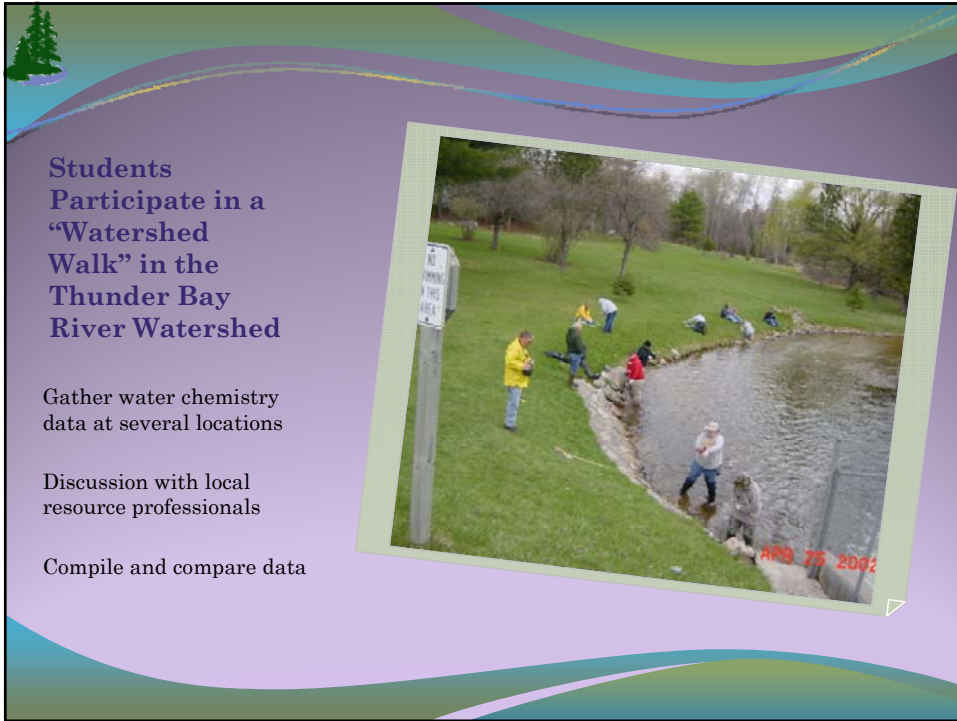
- Invasive Species Control
- Water Quality Monitoring
- Habitat Restoration
- Public Outreach
- “Adopt A” Programs



## Natural Resource Learning can take many forms!

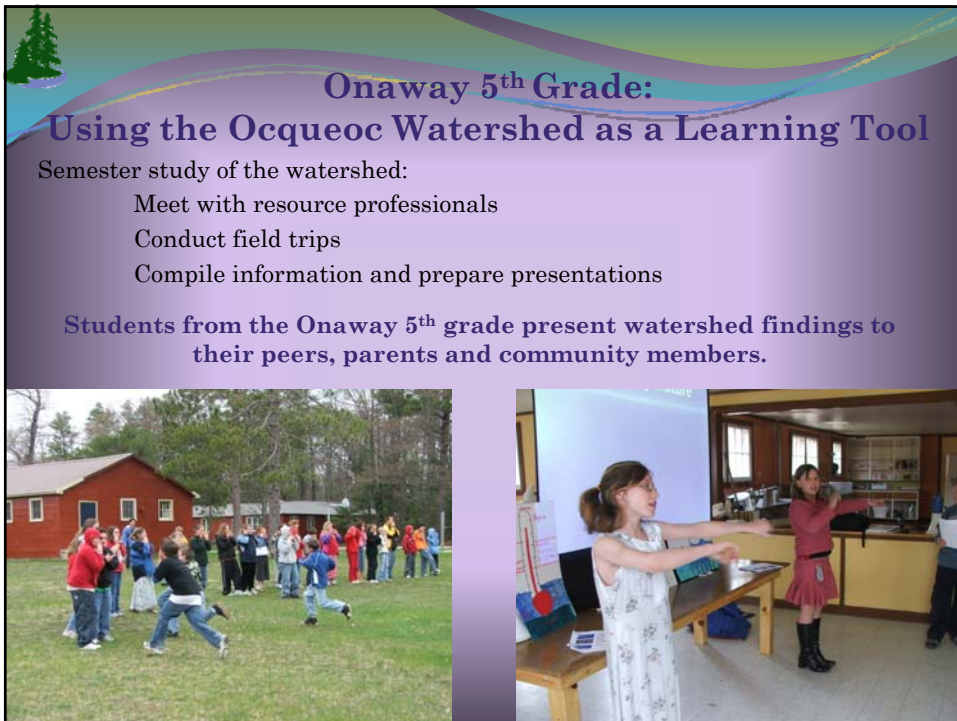

**From the Creepy**                      **To Hands-On**





**Students Participate in a “Watershed Walk” in the Thunder Bay River Watershed**

- Gather water chemistry data at several locations
- Discussion with local resource professionals
- Compile and compare data





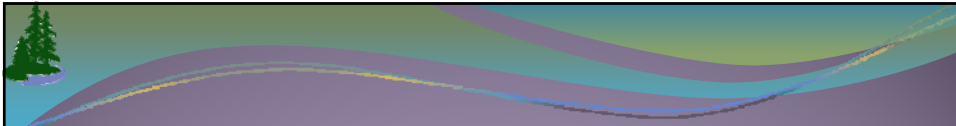
**Onaway 5<sup>th</sup> Grade:  
Using the Ocqueoc Watershed as a Learning Tool**

Semester study of the watershed:

- Meet with resource professionals
- Conduct field trips
- Compile information and prepare presentations


**Students from the Onaway 5<sup>th</sup> grade present watershed findings to their peers, parents and community members.**






## Grayling 7<sup>th</sup> Water Testing Day

**Kids get their “feet wet”  
collecting water samples**



**Parents also participated  
in the event**



## **Trout Unlimited Kids Restoration Day**

Students participate in the  
placement of large woody  
debris in the Au Sable River

Coordinated by TU groups

Provides in-stream habitat



**Other Student Outdoor Activities**

**Planting Cedar Trees**



**Storm Drain Stenciling**



**Rouge Education Project**

Raise young people's awareness of pollution and encourage them to take action.  
Builds school-community-university partnerships  
Adopt-A-School





## Combining Streams of Service

Tap into on-going resource projects in your community

- River cleanups
- Protecting natural areas
- Habitat Restoration

Collaboration between other service groups and schools


- Kiwanis and Rotary groups
- Local watershed and lake associations

**Fun and Relevant!!**



## Groups Involved with Resource Protection

Local Conservation Groups	Resource/Technical Groups
Alcona Black River Watershed	Conservation Districts
Advisory Council	Freshwater Future (GLAHN&F)
Hammond Bay Anglers	Huron Pines
HeadWaters Chapter of	MSU Extension/4-H
Trout Unlimited	Northeast Michigan Council of
Ocqueoc River Commission	Governments
Presque Isle Academy	Sea Grant
Sturgeon For Tomorrow	See North
Thunder Bay Audubon Society	Thunder Bay National
Thunder Bay River Watershed Council	Marine Sanctuary
	Tip of the Mitt Watershed Council



## Online Resources

**See North** [www.seenorth.org](http://www.seenorth.org)

Deepen knowledge of the natural world and to inspire a sense of responsibility. Their website has great resources for teachers.

**Rouge River Education Project** [www.therouge.org](http://www.therouge.org)

As a water quality monitoring and watershed education project, the REP engages students' interest, concern and commitment through real-world education.

**Ecology Center** [www.ecocenter.org](http://www.ecocenter.org)

Develop Specific Curriculum development as requested from educators  
Classroom visits for K-12 Students.

**Little Traverse Land Conservancy** [www.landtrust.org](http://www.landtrust.org)

Their website contains information about the organizations outdoor education programs as well as a wealth of curriculum resources and nature activities for the classroom.

**Inland Seas Education** [www.schoolship.org](http://www.schoolship.org)

Strives to protect the Great Lakes through education. They offer several programs including school field trips and a 'Schoolship Program.'