



**Your support at the
2016 annual golf outing
provided funding for
the following
environmental education
programs.**



Platinum Sponsor

18th Annual Charity Golf Outing



**ENVIRONMENTAL
SERVICES Inc.**



GOLF OUTING SPONSORS

Major Event Sponsors



Tee/Green Sponsors





received **25 grant requests** in excess of **\$91,000**

MAEP selected **8** for a total of **\$14,000** in awards...

Evaluations took into consideration:

1. Hands-on environmental experiential education
2. Quality/uniqueness of the educational experience (underserved populations)
3. Geography and populations in Michigan (4 corners NSEW & greatest impact #'s)
4. Effort is made to fully fund programs to ensure viability of the program



The recipients of the 2016 MAEP grants are:

MAEOE – annual teacher conference	\$1,000.00
Warren Woods	\$2,110.00
Kevin Hall University Prep	\$1,500.00
Rouge Education Project	\$2,345.00
Greening of Detroit / Adopt a Class	\$2,345.00
Project Learning Tree / PLT Curriculum	\$1,980.00
Lake Superior Stewardship Program	\$2,720.00
TOTAL	\$14,000.00



Michigan Alliance for Environmental and Outdoor Education

[HOME](#)[ABOUT](#)[INITIATIVES](#)[CONFERENCE](#)[GET INVOLVED](#)[E.E. RESOURCES](#)

Promoting Environmental Literacy
Through Education

*"TEACHING FOR THE SEVENTH
GENERATION"*

**2016 ANNUAL MAEOE
CONFERENCE
OCTOBER 14-16**

**KELLOGG BIOLOGICAL STATION
HICKORY CORNERS, MI**

[CLICK HERE TO DOWNLOAD THE PRE-CONFERENCE PROGRAM](#)

[LODGING AND MEALS TO BE BOOKED THROUGH KBS](#)

[CLICK HERE TO BOOK YOUR MEALS AND LODGING](#)

**Early outdoor education has been
attributed to student interest in careers
in science & engineering.**

MAEP awarded
\$1,000

Annual sponsor
along with
AWMA & AIPG

The conference
was attended by
136 teachers

12 scholarships
and stipends
were awarded to
4 students from
4 different
colleges &
universities and
8 formal and
informal
educators



Meal Worm Composting Project

\$2,110.00

The program engages special education students in occupational therapy facilitated by high school students in the district.

Students learn:

1. Sustainable food waste management practices
2. Food waste composting / sustainable feed stock for tilapia farming
3. Aquaponics – raising the tilapia
4. Economics & enterprise – partnering with local businesses

2c. Educational objectives.

1. Environmental Science: What students will do: Students will collect, sort, and weigh food and polystyrene waste. The waste will be fed to mealworms and the total weight will be recorded. The cost and savings of alternative waste disposal will be calculated and monitored.

Specific objectives: Students will identify different sources of waste, explain the natural processes that occur to waste over time, explain methods of waste disposal and describe the best methods of waste disposal and management.

categorization. With the current system we are able to sort approximately 5-6 ounces a day. The hives will increase production to up to 34 ounces a day. This allows students to divert large amounts of Styrofoam and food waste, increase the number of participating students, and create a product that will support local businesses, reduce environmental waste, and save district funds in waste disposal fees. Two local businesses, Uncle Luke's Feed Store in Troy and Lou's Pet Shop in Grosse Pointe have partnered with our program to purchase student sorted and packaged

Kevin Hall University Prep Science & Math High School Detroit, Michigan



**Awarded \$1,500.00 for
Salmon in the Classroom
Project**



UPSM encourages academic excellence through:

- rigorous, age-appropriate math & science courses
- personalized learning plans
- hands-on, community-based experiences

The Chinook salmon's numbers are plummeting in Lake Michigan due to a combination of natural forces, unnatural invasive species. The salmon population on Lake Michigan is down 75% from its 2012 peak, said Randy Claramunt, a DNR Great Lakes fishery biologist based in Charlevoix. The reduction of salmon numbers may lead to extinction of the species in Michigan waters.

Rouge Education Project

What is the Rouge Education Project?

The Rouge Education Project (REP) is a multidisciplinary, school-based initiative to raise awareness of pollution in the Rouge River among K-12 students, and encourage them to take action to restore and protect the river. The project's focus is the study of the Rouge River: its history, current issues, how to **monitor** its health, how to restore it, and how to become its steward. As a water quality monitoring and watershed education project, the REP engages students' interest, concern, and commitment through real-world education. The project also builds school-community-university partnerships through corporate sponsors, corporate volunteers, and **trained volunteers** who assist teachers participating in the REP. The project is coordinated by Friends of the Rouge.

Schools and teachers [click here](#) for more information about the REP!

Who participates in the REP?

All public and private elementary, middle and high schools within (or with an interest in) the Rouge River watershed are eligible to participate in the REP. The program began in 1987 with 16 high schools, and has had as many as 100 elementary, middle and high schools participate in a given year. Typically, 30-40 schools join annually.

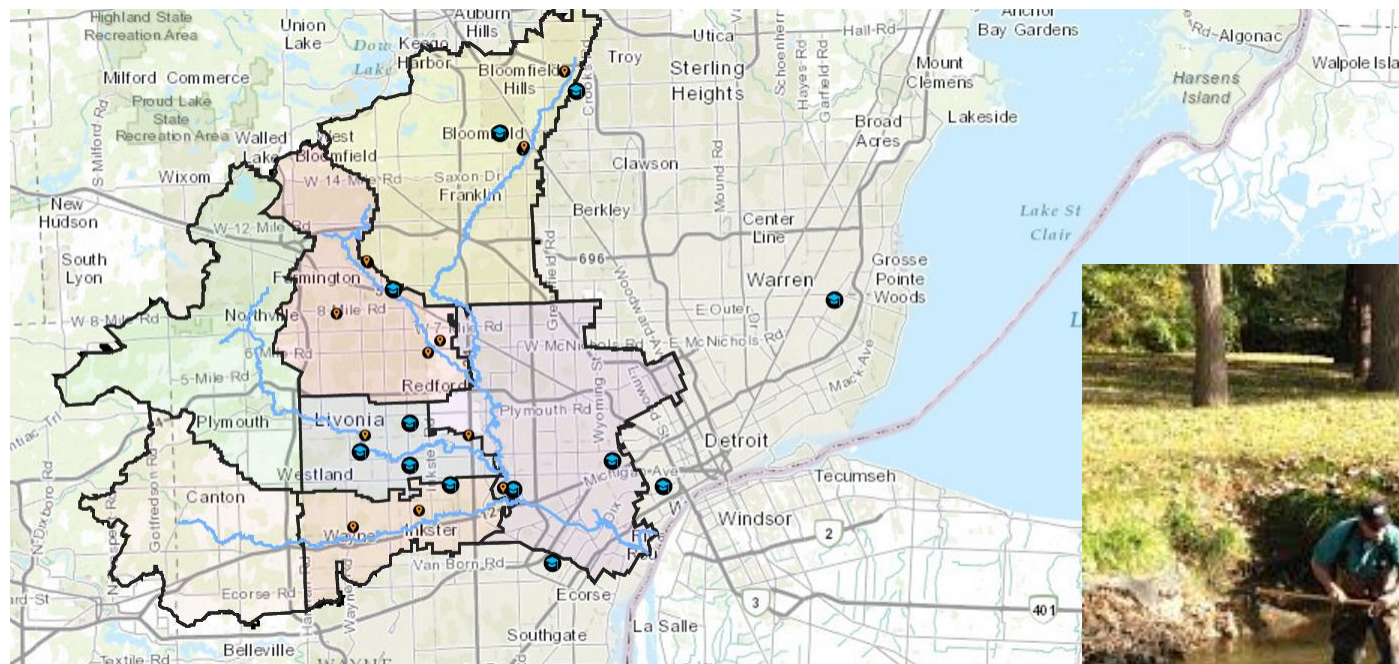
What does participation in the REP involve?

Schools participating in the REP learn background information about the Rouge River watershed in the classroom, and then take a field trip to a unique sampling site along the river on "Monitoring Day." At the site, students take multidisciplinary steps to investigate the health of the river. They monitor up to nine **chemical parameters**, conduct a survey of the physical conditions, and sample for **benthic macroinvertebrates** (aquatic organisms). From their results, they calculate a standardized numerical value that indicates the relative health of the river section surveyed. What do students gain? Check it out [here](#).

Awarded \$2,345.00



Friends
of the **ROUGE**





Fall monitoring 2016

11 schools

Birmingham Covington School, Bloomfield Hills
Chandler Park Academy High School, Harper Woods
Clippert Academy, Detroit
Crestwood High School, Dearborn Heights
Emerson Middle School, Livonia
Garden City High School, Garden City
Huron Valley Lutheran High School, Westland
Inter-City Baptist High School, Allen Park
Steppingstone School, Farmington Hills
Troy High School, Troy
University of Michigan-Dearborn, Dearborn

WHO WE ARE

WHAT WE DO



VOLUNTEER

OUR EVENTS



OUR MISSION

Inspiring sustainable growth of a healthy urban community through trees, green spaces, food, education, training and job opportunities.
We aspire to provide a greener tomorrow for our Detroit.

Greening of Detroit

Our LAND Environmental Education Program

(Learn, Admire, Nurture and Dream)

Grade 6 Environmental Literacy Program

Awarded \$2,345.00



- The Greening will reach 350 students from 13 classes at six Detroit schools.
- Each class will receive 3 in-school visits with The Greening's Environmental Educator
- 3 in-field experiential learning experiences that incorporate and expand on curriculum delivered during class sessions.
- Two locations will be utilized for field learning
 1. University of Michigan – Dearborn's Environmental Interpretive Center. Students will participate in one day of learning activities centered on the Rouge River watershed including geology, topography and the implications of urbanization for residents during wet weather events (storm water management)
 2. Rouge Park, the largest natural space remaining in Detroit, where students will travel to twice to participate in scientific investigation through in-field lessons.
- Each classroom also will participate in a stewardship tree planting activity on their school campuses, and will engage their family and community members to assist in these projects.
- A total of 585 trees will be planted through this program, with each class planting 45 trees during the school year.

By educating students on proper tree planting and care techniques, they will come to appreciate the value of trees and the impact of trees on their lives during extreme weather in addition to the many eco-system benefits that the trees they planted will provide.



MAKE LEARNING FUN!

Use the environment to engage children in learning – both outside and indoors.

Awarded \$1,980.00

Grant will provide training materials for teachers from Detroit Public Schools, Pontiac Schools and invitations will also be sent to both Wayne, Macomb and Oakland County Science Committees. **The goal is to attract between 20 to 40 individuals, 4-8 teachers from a variety of local educational institutions.**

Day-Long Training Workshop

- In-person workshops, typically 6-hours
- Highly active, hands-on session to experience and model several PLT activities
- Include planning time to integrate PLT into your curriculum or program
- Scheduled year around
- Participants receive PLT guide(s) depending on focus of workshop



GREAT LAKES
Stewardship Initiative

Expanding classrooms. Strengthening communities.



Lake Superior Stewardship Initiative

[HOME](#)

[About
The Initiative](#)

[School-Community
Projects](#)

[Resources](#)

[Get Involved](#)

[Calendar & News](#)

[Contact](#)

Welcome!



Like what you see? PLEASE DONATE



[VIEW OUR
BROCHURE](#)



[VIEW OUR
VIDEO](#)

[Initiative News & Calendar](#)

Connecting Schools and Communities in the Stewardship of Lake Superior and its Watershed.

The Lake Superior Stewardship Initiative (LSSI) brings together schools and community partners to prepare K-12 students to become knowledgeable citizens concerned about the Lake Superior watershed and actively engaged in stewardship projects in their community.

The LSSI is part of a statewide [Great Lakes Stewardship Initiative](#) (GLSI) launched by the Great Lakes Fishery Trust [>>more](#)

Awarded \$2,720.00 for a high school water festival

Welcome!

The Great Lakes Stewardship Initiative (GLSI) was launched in 2007 to develop knowledgeable and active stewards of the Great Lakes through vibrant, hands-on experiences in the community.

From its inception through the 2014–15 school year, the GLSI has worked with 1,562 teachers in 283 schools across Michigan, and supported rigorous stewardship experiences for more than 80,000 students.





Great Lakes Research Center

Location

The Great Lakes are right in our backyard



Lake Superior Water Festival

🕒 SEPTEMBER 30, 2015

👤 EHGROTH

📁 OUTREACH

by Joan Chadde



Nearly 500 9th-12th grade students in 18 classes from 10 schools in Houghton, Baraga, Gogebic and Ontonagon Counties flooded MTU's Great Lakes Research Center on Wednesday, September 30th. Schools from as close as Hancock, Lake Linden, and Dollar Bay, in addition to schools from as far away as Ironwood, Watersmeet, Baraga and L'Anse, spent one-half day at Michigan Tech's Great Lakes Research Center as part of the 4th Annual

Lake Superior Water Festival. More than 15 different sessions were offered throughout the day, presented by Michigan Tech faculty, staff, students, community organizations, government agencies, educators, and authors.

The Water Festival provides an opportunity for students to learn about and celebrate our most precious natural resource – clean, fresh water! A wide variety of topics related to Lake Superior and the Great Lakes, from science & engineering to social studies and the arts were presented. Students attended four 35-minute activities. Some of the offerings included: Remotely-Operated-Vehicles, forest hydrology, Great Lakes & climate change, Leave No Trace Outdoors, River of Words, Remote Sensing, U.S. Coast Guard, and more.

CONGRATULATIONS

MAEP 2016 GRANT RECIPIENTS!!!



Thank you for educating the next generation to appreciate, preserve and protect the planet...