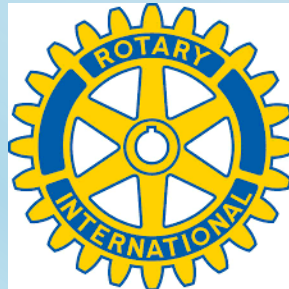


OSHKOSH WATER HEROES PROJECT STORMWATER EDUCATION

FWWA

WATERSHED CONFERENCE

3.7.18



AGENDA

- INTRODUCTION TO THE WATER HERO PROJECT
- FWWA/NEWSC OUTREACH OVERVIEW
- CITY OF OSHKOSH STORMWATER EDUCATION
- OSHKOSH NORTH COMMUNITIES CLASS WATER HERO PROJECT

Fox-Wolf Watershed Alliance & Northeast Wisconsin Stormwater Consortium (NEWSC)

MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
OUTREACH AND EDUCATION IN NORTHEASTERN WISCONSIN



Overview & History

- The Northeast Wisconsin Stormwater Consortium (NEWSC) was formed as a subsidiary of FWWA in 2004 with help from UW-Extension and a Community Foundation Grant.
 - Governed by an elected Leadership Council
 - 11 Members
- Staff
 - Part time Coordinator
 - Full time Educator



NEWSC PAID MEMBERSHIPS

CITY OF APPLETON
CITY OF DE PERE
CITY OF FOND DU LAC
CITY OF GREEN BAY
CITY OF KAUKAUNA
CITY OF MANITOWOC
CITY OF MARINETTE
CITY OF MENASHA
CITY OF NEENAH
CITY OF OSHKOSH

VILLAGE OF ALLOUEZ
VILLAGE OF ASHWAUBENON
VILLAGE OF BELLEVUE
VILLAGE OF COMBINED LOCKS
VILLAGE OF EDEN
VILLAGE OF FOX CROSSING
VILLAGE OF HARRISON
VILLAGE OF HOBART
VILLAGE OF KIMBERLY
VILLAGE OF LITTLE CHUTE
VILLAGE OF N. FOND DU LAC
VILLAGE OF SHERWOOD
VILLAGE OF SUAMICO

BROWN COUNTY
CALUMET COUNTY
FOND DU LAC COUNTY
OUTAGAMIE COUNTY
WINNEBAGO COUNTY

UNIVERSITY OF WI - OSHKOSH

TOWN OF BLACK WOLF
TOWN OF BUCHANAN
TOWN OF FOND DU LAC
TOWN OF FRIENDSHIP
TOWN OF GRAND CHUTE
TOWN OF GREENVILLE
TOWN OF LAWRENCE
TOWN OF LEDGEVIEW
TOWN OF NEENAH
TOWN OF SCOTT
TOWN OF TAYCHEEDAH

AECOM
AYRES ASSOCIATES
BROWN & CALDWELL
CEDAR CORPORATION
CONTECH CONSTRUCTION
PRODUCTS
DAVEL ENGINEERING
MACK IV SURVEYING &
ENGINEERING
MARTENSON & EISELE, INC.
MAU AND ASSOCIATES, LLP
MCMAHON ASSOCIATES, INC.
MEAD AND HUNT
MSA PROFESSIONAL SERVICES
OMNNI ASSOCIATES, INC.
RA SMITH
ROBERT E LEE & ASSOCIATES
SEH, INC.

58 TOTAL MEMBERS

Workshops & Trainings

NEWSC COORDINATES SEVERAL TRAINING WORKSHOPS FOR MS4 PERMITTED COMMUNITY BUSINESSES & MUNICIPAL EMPLOYEES

- Stormwater Quality Management
- Erosion Control Training
- Winter Parking Lot Maintenance
- Winter Road Maintenance
- Certified Training such as:
 - NASECA (North American Stormwater & Erosion Control Association)
 - CISEC (Certified Inspector of Sediment & Erosion Control)

.....and MANY MORE

Renew Our Waters Campaign

Renew Our Waters
Every choice counts.

CONNECTING THE DROPS
Realize what touches the ground can enter our waters

Sweep up GRASS CLIPPINGS
Keep lawn waste out of storm drains to prevent green algae blooms and improve water clarity. Grass clippings can be easily swept back onto the lawn.

WASH VEHICLES ON GRASS
Washing vehicles in a grassy area or at a car wash facility prevents soapy water and chemicals from our cars from entering our water bodies.

Clean up AFTER your pet
Pet waste carries bacteria that makes people sick and causes beach closings. Remember to scoop the poop.

Let the Water Soak IN
Planning for minimal hard surface on your property makes good sense. Focus on natural plantings to slow water so that it filters into the ground rather than runs off.

To learn more, visit:
www.RenewOurWaters.org

FOX-WOLF

Renew Our Waters
Every choice counts.

CONNECTING THE DROPS
Realize what touches the ground can enter our waters

Leave Your Leaves on Land
A great way to make sure leaves do not end up in local waters is to keep them on your property! Raking, mulching, or composting your leaves can be beneficial to your lawn or garden.

DRAINING your pool or Spa
Water from swimming pools and spas must be dechlorinated prior to discharging water. Discharging pool and spa water onto grass or landscaping is recommended as it will be able to soak into the ground.

INSTALL a Rain Barrel
A rain barrel collects rainwater from your roof that would otherwise be lost to runoff. Catching rain water in a rain barrel allows you to water your garden and plants indoors and out during dry periods.

The Perfect LAWN
You can create a beautiful outdoor space and protect our waters. Mulch to keep the lawn healthy, so it can outcompete weeds for light, nutrients and water. When watering, use a sprinkler that shoots low to the ground.

To learn more, visit:
www.RenewOurWaters.org

WOLF

Renew Our Waters
Every choice counts.

Kids can help too!
There are lots of things kids can do to help keep our rivers and lakes clean.

Have you ever thought about where rain goes after it lands on your house or driveway? Rain drips roll down your driveway and into the road. Once in the road, rain enters the storm drain - the grates that are in city streets. Do you know what happens to things that enter the storm drain? Water or any thing else that enters those drains travel through pipes that empty right into our rivers and lakes!

You can help clean up our local rivers and lakes by making sure that only rain goes down the storm drain.

HELP WITH THE YARD
Grass clippings and leaves from your lawn can be swept up and sidewalk back onto your lawn. You can also help your dog out by taking them to a dog park.

GET SOME EXERCISE!
You may have heard that dogs should be exercised. Well, you know that driving cars and dirt that fall from our cars into storm drains and into our rivers is to drive less. Instead of driving, you can walk or bike with their dog.

MOST IMPORTANTLY, NEVER FEED FISH AND FEED FISH FEEDING GARBAGE! Only fish that are specifically designed for feeding fish should be used. Only fish that are specifically designed for feeding fish should be used.

Northwest Wisconsin
P.O. Box 1861 Appleton, WI 54912

Renew Our Waters
Every choice counts.

Good Dog, Good Owner
You can be a responsible pet owner and protect our waters.

Your dog brings a lot of joy to your life. Enjoying your four-legged friend doesn't need to come at the price of clean water. We can have both. But to make it happen, we all need to take a little differently.

NEVER TO WASTE THAN MEET THE EYE!
Pet waste is not only an unpleasant find on a yard or sidewalk, it carries bacteria that causes beach closings in the summer.

Pot waste is not only an unpleasant find on yard or sidewalk, it carries bacteria that make beach closing necessary in the summer.
Campylobacteriosis and salmonellosis are often the cause of the "dog-eat-dog". They're infected owners or animals. Toxicoinfection is caused by a single-cell parasite that lives in protected animal feces (typically cattle). In pregnant women, it can pass through the amniotic cord to the unborn fetus, causing serious abnormalities.

WALK, DON'T DRAG!
Prevent bacteria in our streams by carrying small plastic bags when walking your dog. Collect droppings, tie a knot in the bag, and dispose of it properly. Do not throw the waste down the street.

At home, pick up pet waste often. Even waste in your backyard can pollute local waterways. You can flush the waste down the toilet, put it in your trash can (be sure to check your local ordinances first) or bury it in your yard.

Stormwater is rain or snowmelt and water from things people do, like overwatering the lawn. As water makes its way to the storm drain it picks up pollutants like oil from car leaks and bacteria from pet waste. When we choose products carefully and dispose of products properly, we can greatly reduce the amount of pollution that enters our local waters through runoff.

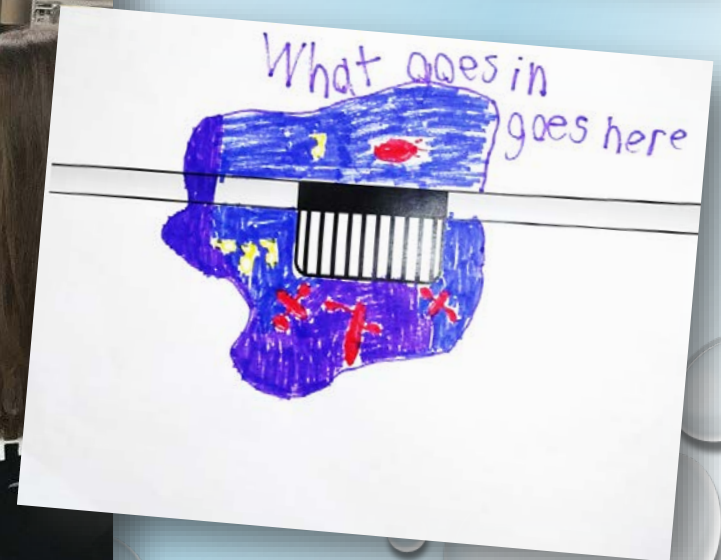
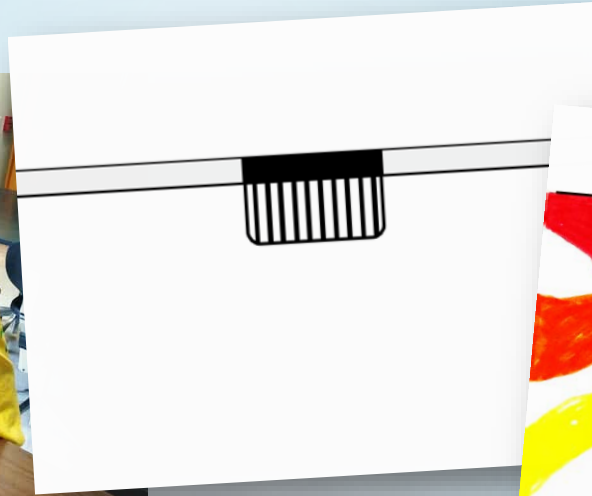
Untreated runoff is the biggest threat to our nation's water quality, according to the U.S. Environmental Protection Agency. Let's make the small, important changes that will reduce that threat and improve water quality and our lives!

Realize
What touches the ground enters the water

Northwest Wisconsin Stormwater Consortium
P.O. Box 1861 Appleton, WI 54912 | 920.858.4246

RenewOurWaters.org

School Education



237 public & private schools in NEWSOC Communities

scheduling

To schedule a presentation, contact:
KELLY REYER
 Outreach Coordinator
 Fox-Wolf Watershed Alliance
 E-mail: Kelly@fwwa.org
 Phone: (920) 915-1502

Requests should include:



- Date(s) of interest
- Potential time blocks
- Class size
- Number of classrooms
- School Name & address
- Any information on related coursework in the classroom

EXTRAS

We have additional resources that can be used to support our presentation and bring watershed education home with students.

Non-profit
 Registration
 U.S. Postage
 PAID
 Appleton, WI
 Permit No. 111

Let us teach your students about our watershed!

FOX-WOLF
 WATERSHED ALLIANCE

P.O. BOX 1861
 APPLETON, WI 54912
 FWWA.ORG
 Visit us Online!
www.FWWA.org

FOX-WOLF
 WATERSHED ALLIANCE

Watershed outreach Education in your classroom



Neenah, WI

SCHEDULE A FREE PRESENTATION TODAY!

Topics include:

- ✓ Water pollution
- ✓ Watersheds
- ✓ Water conservation
- ✓ Water cycle
- ✓ Green infrastructure (GI)
- ✓ Human impact on water quality
- ✓ Volunteer opportunities

Enviroscape® Model

Students will learn about nonpoint runoff pollution with this hands-on model that gets them out of their seats and into the action! They will see how stormwater can carry pollutants into our lakes and rivers, and will learn about practices that can help reduce pollution.

Watershed Model

Students can get creative designing their own storm drain artwork that could be used to educate residents about stormwater runoff. The Watershed Pledge can be used to promote activities they can do at home to protect our waters.

Visit us online! www.fwwa.org

Find us on   

E-mail Kelly@fwwa.org with any questions

Community



Digital Watershed Pledge

Name: _____ Zip Code: _____ 50+

E-mail: _____

City: _____ 21-49

Age: _____ 13-20 4-12

FOX-WOLF WATERSHED PLEDGE

What is a watershed? A watershed is an area of land where all of the water that runs off or under that area of land eventually ends up in the same place. This means that the water that runs off of your property eventually ends up in our lakes, rivers, and streams. The Fox-Wolf basin is outlined in red on the map shown to the right. There are several things you can do to help improve the health of our surface waters. Take the watershed pledge today to help protect our state's water resources!

I Pledge to:

- Clean up pet waste and other garbage on my property
- Sweep grass clippings off the road and sidewalks
- Never dump anything into the storm drains
- Wash vehicles on the lawn (not on the driveway)
- Divert runoff from my roof to my lawn, rain garden or rain barrel

The most important things to remember are to: (1) reduce the rate and volume of runoff from your property, (2) reduce your overall water usage, and (3) make choices that improve the quality of water running off of your property. This helps us to conserve our fresh water resources and prevents pollutants from reaching our lakes and rivers.

Thank you for your pledge!

For more information, visit: www.RenewOurWaters.org
To learn more about FWVA, visit us at: www.FWVA.org
Like us on Facebook! [Facebook.com/foxwolfriver](https://www.facebook.com/foxwolfriver)

©Kevin Henkle, 2015

Paper Watershed Pledge

Social Media

Fox-Wolf Watershed Alliance
Published by Kelly Drover Reyer [?] · October 11 at 9:00am · 🌍

We had a great time teaching students about our basin last month 😊



Nearly 1,000 Students Engaged at Conservation Field Days!
For the 7th year in a row, the Fox-Wolf Watershed Alliance has participated in Outagamie County's Conservation Field Days, an event the County has...
FWWA.ORG

346 people reached

Like Comment Share

Scott Heinritz, Maureen A Muldoon and 9 others

Fox-Wolf Watershed Alliance
Published by Kelly Drover Reyer [?] · August 29 · 🌍

Learn more about how you can Renew Our Waters by visiting www.FWWA.org, and please share! #RenewOurWaters



Good Dog, Good Owner
You can be a responsible pet owner AND protect our waters.

Pet waste is not only an unpleasant find on a yard or sidewalk, it carries bacteria that causes beach closings in the summer. Prevent bacteria in our lakes and streams by carrying bags with you when walking your dog. Collect droppings, tie a knot in the bag, and dispose of it properly. At home, pick up waste often. Even waste in your backyard can pollute local waterways.

FOX-WOLF Watershed Alliance

Renew Our Waters. Every Choice Counts.

385 people reached

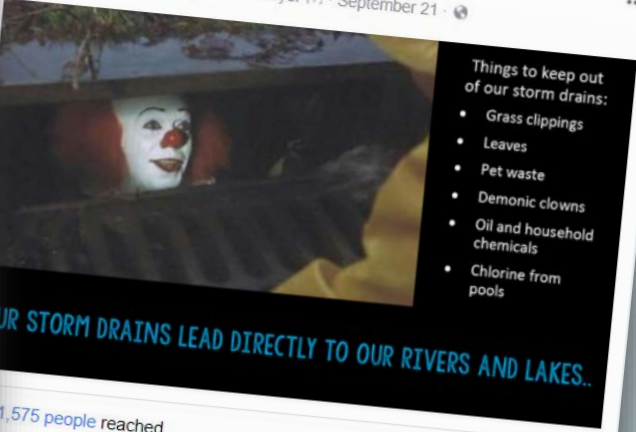
Like Comment Share

4

1 Share

Write a comment...

Fox-Wolf Watershed Alliance
Published by Kelly Drover Reyer [?] · September 21 · 🌍



Things to keep out of our storm drains:

- Grass clippings
- Leaves
- Pet waste
- Demonic clowns
- Oil and household chemicals
- Chlorine from pools

OUR STORM DRAINS LEAD DIRECTLY TO OUR RIVERS AND LAKES..

1,575 people reached

Like Comment Share

Corey Bowles, Jessca Marie and 17 others

Shares

Write a comment...



fox_watershed_alliance
Voyager Park

fox_watershed_alliance St. Norbert students did a great job Aesthetics Monitoring & cleaning up Voyager Park in De Pere today!
#rivercleanup #cleanup #foxriver #depere #wisconsin #volunteers #inthestreets

pearlriverkeeper, wsos_project, danreyer, plufao, wiscomtcd, sustainabilibrad, feltenj, kellyreyer, jim_koepnick and zach_edlund like this

AUGUST 25

Add a comment...



fox_wolf_watershed_alliance
Lake Winnebago

fox_wolf_watershed_alliance We had a great time yesterday working with the 6th graders at Webster Stanley Middle School for their event, Webster on the Water. Middle schoolers had the opportunity to sail, kayak, and learn about our #watershed!
#oshkosh #onthewater #lakewinnebago

courtyard_appleton_riverfront, wiscomtcd, feltenj, pizza_spuggy, danreyer, kellyreyer, wisco.wanderlust and jim_koepnick like this

JUNE 6

Add a comment...

WATERSHED CLEANUP



Saturday, April 21, 2018

— EARTH DAY WEEKEND! —

There are more than 50 cleanup sites coordinated throughout the Fox-Wolf River Basin from Fond du Lac to Green Bay. All cleanup supplies are provided! Choose your site, invite your friends, clean up and have fun! Registration is now open! Sign up by April 6th to receive a free Cleanup T-shirt! All volunteers are invited to the Cleanup Picnic in Appleton after cleaning up for free lunch, music, bounce houses, raffles, costumed characters, and more!

Visit www.fwwa.org
to register!

E-mail:
Kelly@fwwa.org
with any
questions.

*Volunteers
Needed!*





Water Hero Storm Sewer Public Education & Medallion Program

How the City of Oshkosh
Utilized Community Organizations for
Education and Outreach

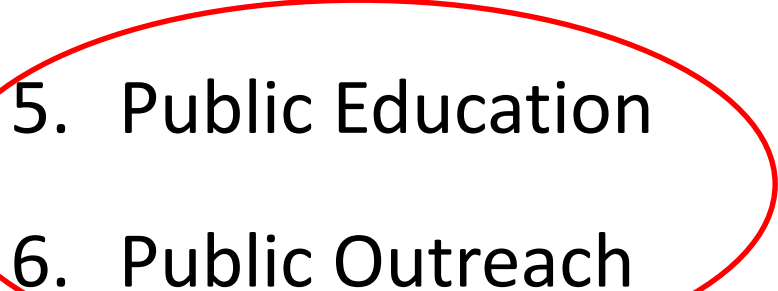


10/10/2016



City of Oshkosh MS4 Storm Water Permit

6 Minimum Controls

1. Construction Erosion Control
 2. Long Term Stormwater Management
 3. Illicit Discharge Detection & Elimination
 4. House Keeping Practices
 5. Public Education
 6. Public Outreach
- 

COMMUNITY HEROES

Workers

- Oshkosh Southwest Rotary
- Oshkosh Public Schools
- Neighborhood Associations

Funding Sponsors

- Neenah Enterprises
- 4Imprint
- Festival Foods

Special Recognition

Oshkosh North Communities Program

*OSHKOSH NORTH COMMUNITIES
PROGRAM*

Students learn content through real-life application, pairing with local businesses and partners to help solve community problems.



Julie Dumke
Communities Co-Founder
Community Based Learning Coordinator



Richard Leib
Communities Co-Founder
Social Studies Teacher



Brad Weber
English Teacher



Arian Bougie
Communities Literacy Instructor
English Teacher



Kim Gauthier
Communities Leadership Instructor
Math Teacher

September 8, 2017 @ The Waters



9-8-17

Observation / The Waters

- The lake is very divided
- The land looks unlit
- 10 miles long, 27 miles wide
- one of the largest lakes surrounded by land
- Biological in part

The Waters

- keep the water clean
- used lake for transportation
- indians used lake as a safe
- at first side was back there would be
- focuses on the shore
- The river is still
- Educate people on
- hand out pamphlets
- just get people
- South Park is
- clean water
- MS4 streams

The Program Champion

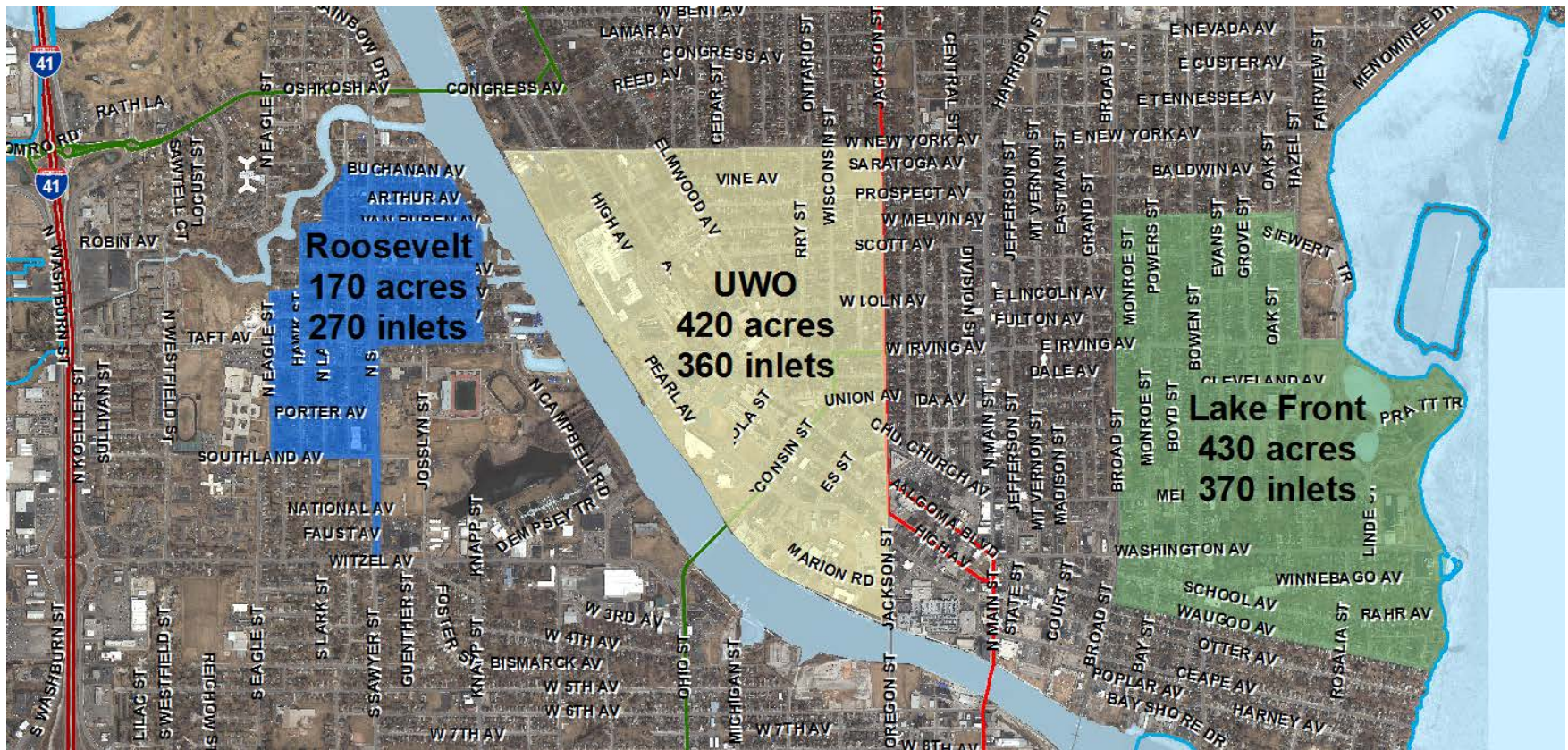
Ken Friedman - Oshkosh Southwest Rotary



Rotary Public Education & Participation



Beautification and Environmental Concerns Committee





Communities Program Touch 25% of Oshkosh

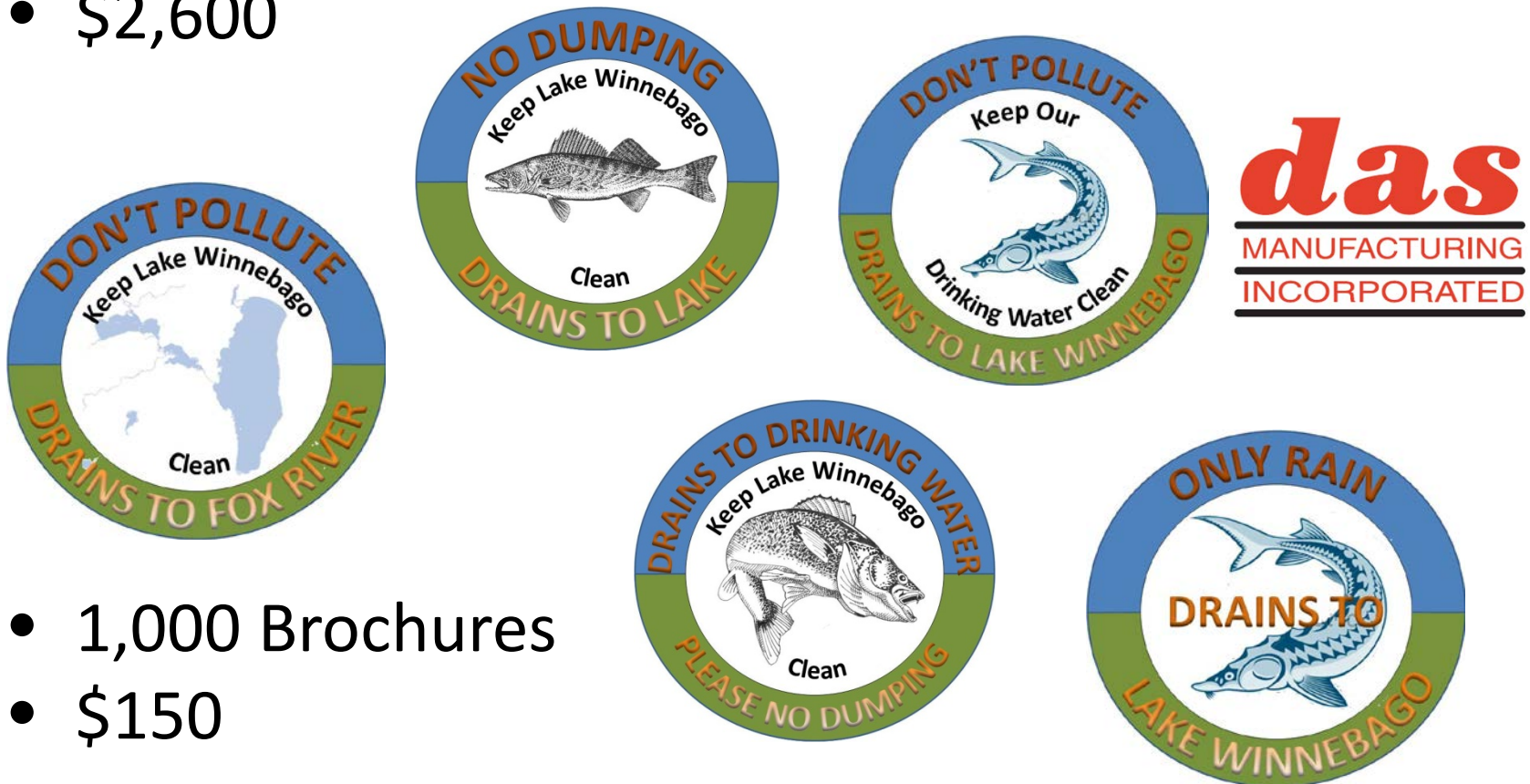


- City Staff Involvement – 5
- SW Rotary Committee – 104
- North High Faculty - 5
- High School Students – 80
- Their Families – 200
- Community Presentation Audiences – 300
- 4th & 5th Graders - 200
- Their Families – 800
- Individuals Seeing Flyers 3,000
- Individuals Hearing Student's PSA – 1,000
- News Paper – 12,000

- **15,000 to 18,000 Individuals to Come into Contact with Student Program**

Cost to the City

- 1,000 Medallions (2 custom sets of 500)
- \$2,600



- 1,000 Brochures
- \$150





Our
partnership
with
**Oshkosh
Rotary.**





COMMUNITIES

Oshkosh North High School



Phases of a Project - IPAD

INVESTIGATION

PREPARE / PLAN

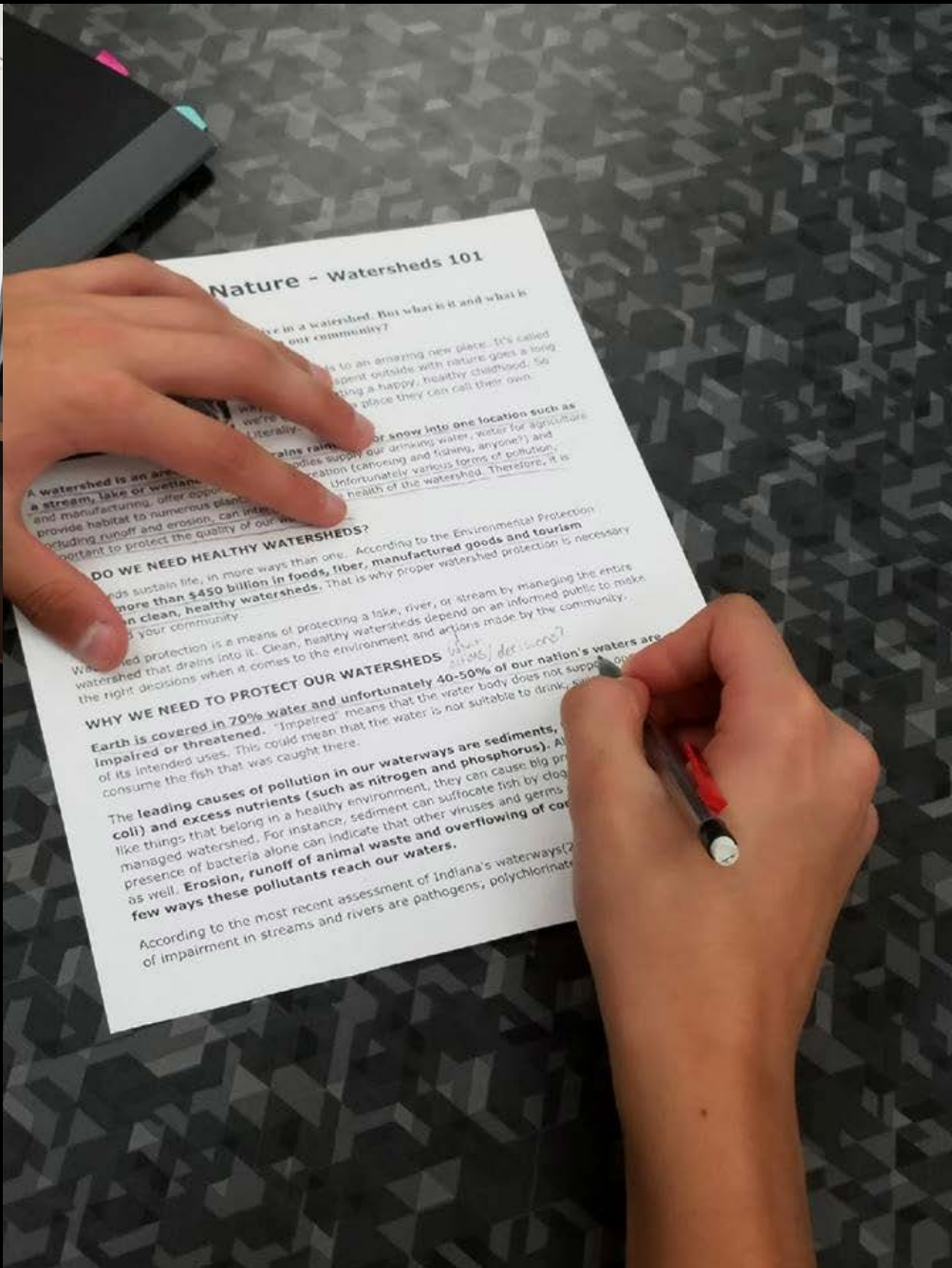
APPPLICATION

DEMONSTRATION

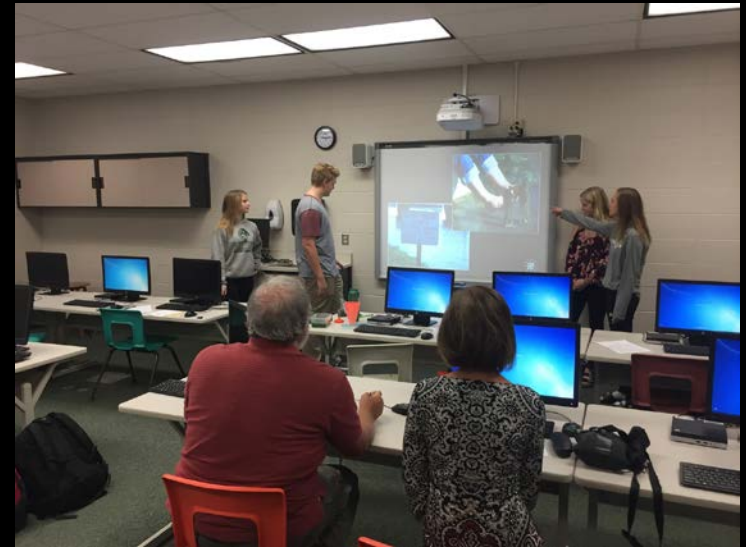
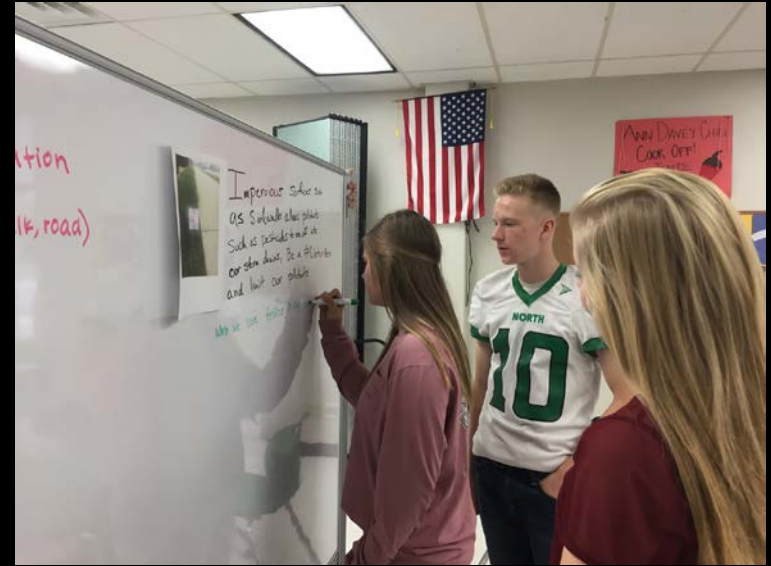
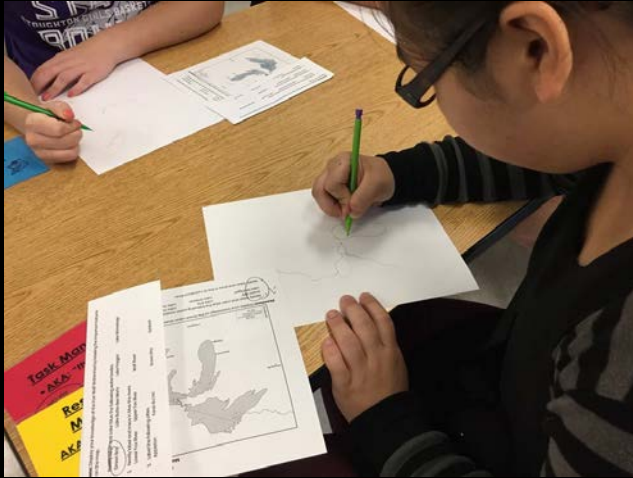
INVESTIGATION

City of Oshkosh

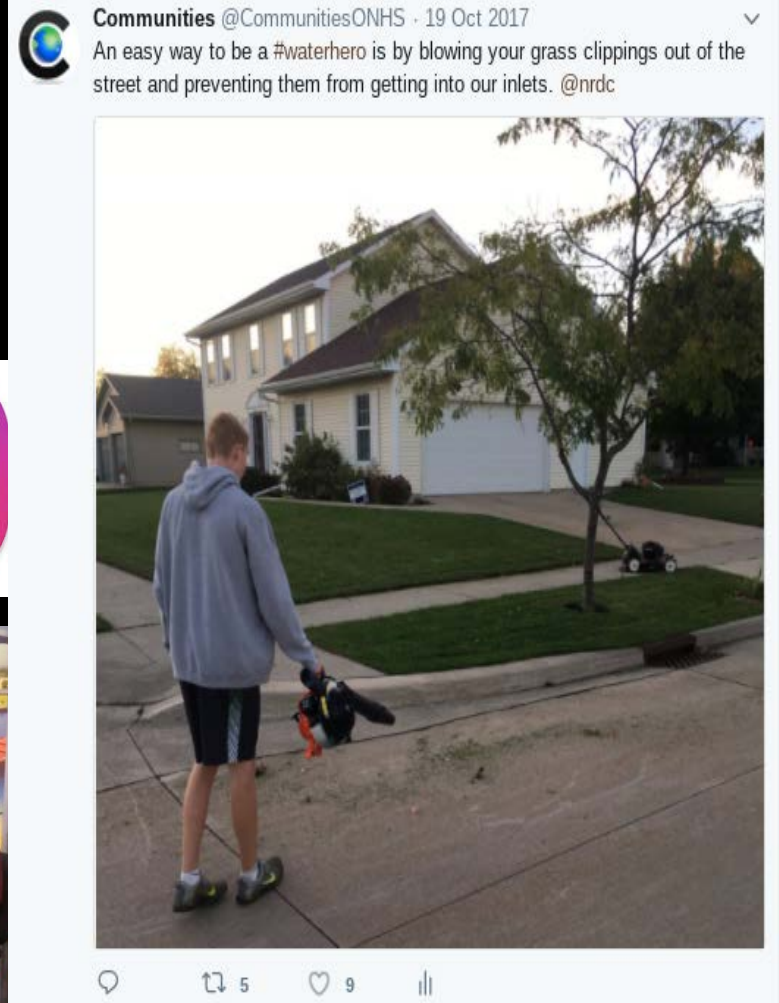




PLAN / PREPARE



ACTION - Creating Awareness



ACTION - Creating Awareness





Medallions

DEMONSTRATION



Personal / team
reflection



Authentic Issues Allow For Authentic Learning

