

Save Maumee Grassroots Organization Riparian Buffer Initiative



Protecting desirable trees next to ditches and making streams healthy!

Project Totals:

Adding 2,780 trees

**Replanting 1.36
linear mile will =
4.13 acres of
increased riparian
buffer**

**164,020 gallons of
untreated urban
runoff captured/year**

**1,130 pounds of
nitrogen load
reduced/year**

**671 pounds of
phosphorus load
reduced/year**

**659 TONS of
sediment load
reduced / year**

Grant recipients of the U.S. Forest Service have responsibilities to conduct their programs according to USDA's nondiscrimination policy. Save Maumee and the USDA are equal opportunity providers, employers, and lenders.

Save Maumee is implementing the Upper Maumee Watershed Management Plan to improve the health of the aquatic environment through installation of 1.36 miles of riparian buffers in the Trier Ditch, Bullerman Ditch, and Sixmile Creek drainage areas of the Maumee River in Allen County, Indiana. We work on water quality improvements, and we are looking for you!

The tree planting projects will be one for the record books in New Haven, Indiana. Join us Earth Day Weekend Friday, Saturday and Sunday.

The largest event day location is Moser

Park on Saturday April 22. Save Maumee's 12th Annual Celebration will be held on the true Earth Day.



MANY Thanks to our volunteers, who have already planted 840 trees and removed 2,000 invasive species in 2016 alone! All this work was accomplished by 318 volunteers logging 1,157 hours. It is time to tell others and support our efforts with your your time, talent and treasures. Please come meet us on your local riverbank. **SaveMaumee.Org**

Research for *Save Maumee's Riparian Buffer Initiative* (2016-2018) is being conducted in cooperation with the U.S. Forest Service through Great Lakes Restoration Initiative (GLRI) federal funding.

12th Annual Save Maumee Earth Days ...because one day is just not enough.



3 Day EARTH DAY 2017

Friday April 21 • 11am-4pm • Heatherwood Park

Saturday April 22 • 11am-5pm • Moser Park

Sunday April 23 • 11am-3pm • Heatherwood Park

Parking Location Friday & Sunday: Heatherwood Park, 1000 Hartzell Rd, New Haven, IN 46774

Parking Location for largest event Day: Moser Park, 601 W. Main, New Haven, IN 46774

<http://savemaumee.org/all-upcoming-events/>

Save Maumee Riparian Buffer Initiative

2016 - 2018

Adding a total of **6 riparian buffers that will equate to 1.36 miles** (or 7,200 linear feet, by 20-25 feet wide) will yield a total of 4.13 acres (180,000 sq. ft.) of buffer, upon completion of the entire Riparian Buffer Initiative. The project will be installing 2,780 native DNR approved trees that have been grown to a container size between 1-3 gallons.

Upon completion these efforts will collectively result in:

- total gallons of untreated urban runoff captured by tree installation to yield 164,020 gallons/year
- total nitrogen load reduction of 1,130.66 lb. per/year
- total phosphorus load reduction of 671.3 lb./year
- total sediment load reduction of 659.34 tons/year
- selective removal of thousands of invasive species:
i.e. Asian Honeysuckle, Autumn Olive and Tree of Heaven

SUBWATERSHED SPECIFICATIONS:

1. **Trier Ditch Subwatershed project area(s):** Entire project scheduled to be completed in April 2017

- Installation of 2,800 linear feet of riparian buffers with a width no less than 20 feet would yield approximately 1.29 acre per site (56,000 sq. ft.) $*(2,800 \text{ linear feet} \times 25 \text{ ft width} = 1.61 \text{ acre (70,000 sq. ft.)})$
- Adding 1,100 total trees would capture 64,900 gallons/year (59 gallons/tree)
- Nitrogen load reduction for this watershed would yield 426.66 lb. / year.
- Phosphorus load reduction would yield 253.32 lb. / year.
- Sediment load reduction would yield 253.34 tons / year
- All while gaining resident participation and partnering with New Haven Parks and Recreation Dept.

2. **Bullerman Ditch Subwatershed project area(s):** 1 of 2 projects completed in April 2016

- Installation of 2,000 linear feet of riparian buffers with a width no less than 20 feet would yield approximately .92 acre (40,000 sq. ft.). $*(2,000 \text{ linear feet} \times 25 \text{ ft width} = 1.147 \text{ acre (50,000 sq. ft.)})$
- Adding 760 trees would capture 44,848 gallons per year (59 gallons/tree)
- Nitrogen load reduction for this watershed would yield 320 lb. / year.
- Phosphorus load reduction would yield 190 lb. / year
- Sediment load reduction would yield 190 tons / year
- Over 700 volunteer hours were logged by over 268 volunteers in 2016.

3. **Sixmile Creek Subwatershed project area(s):** 1 of 2 projects completed in October 2016

- Installation of 2,400 linear feet of riparian buffers with a width no less than 20 feet would yield approximately 1.102 acre per site (48,000 sq. ft.). $*(\text{total } 2,400 \text{ linear feet} \times 25 \text{ ft width} = 1.377 \text{ acre (60,000 sq. ft.)})$
- Adding 920 trees would capture 54,280 gallons / year (59 gallons/tree)
- Nitrogen load reduction for this watershed would yield 384 lb. / year.
- Phosphorus load reduction would yield 228 lb. / year.
- Sediment load reduction would yield 216 tons / year, and gain resident participation in implementation efforts.
- Over 457 hours were logged by over 50 volunteers in 2016.

Save Maumee's 12th Annual Earth Days

FREE TO EVERYONE

Food

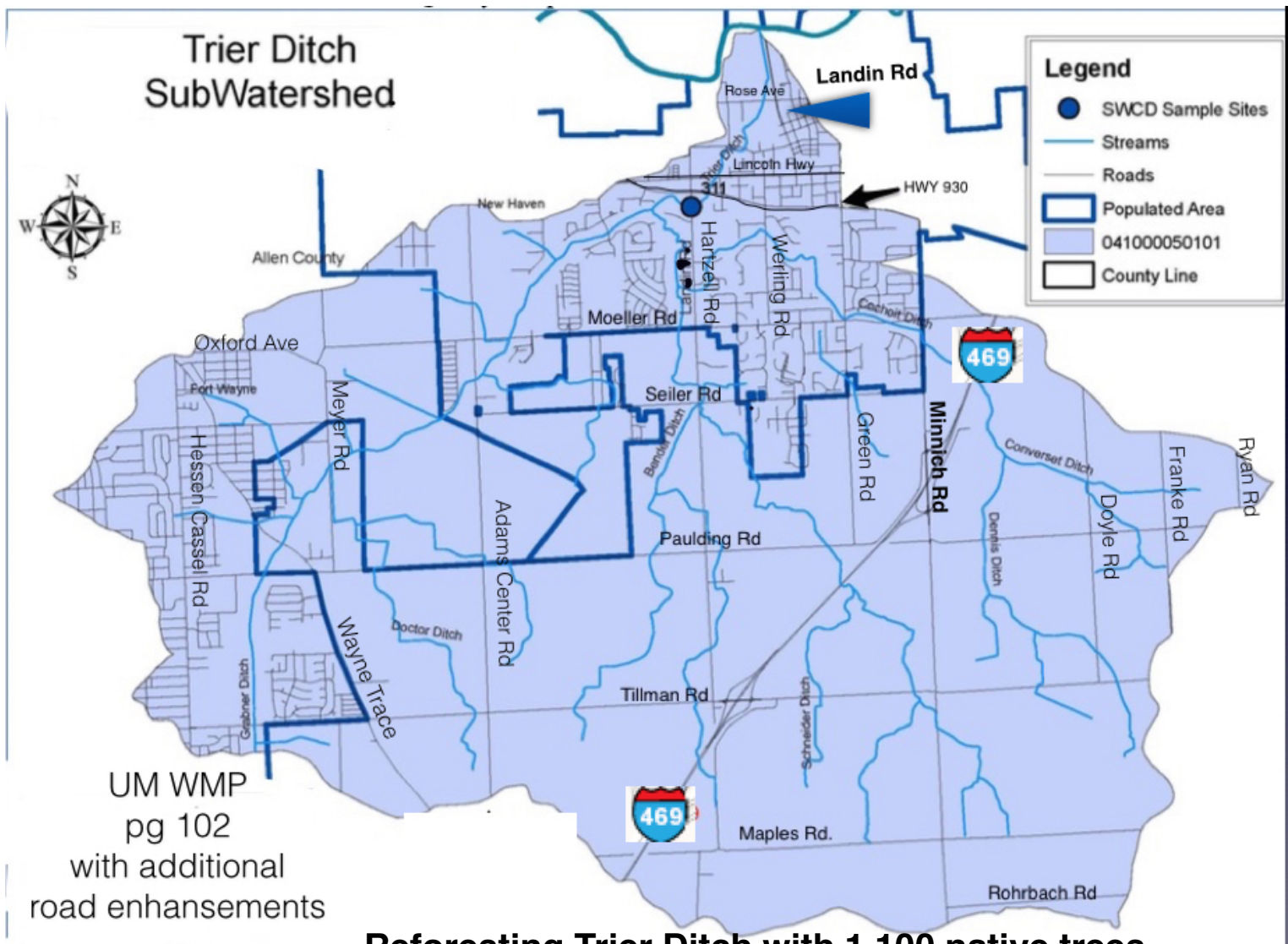
T-Shirts

Live Local Bands

Learn to plant a tree & restoration practices

PLANT SEVERAL TREES

SaveMaumee.Org



Reforeesting Trier Ditch with 1,100 native trees

Who supports trees and plants next to waterways?

Environmental Protection Agency (EPA), USDA Forest Service, National Resources Conservation Service, Division of Forestry, Indiana Department of Environmental Management, Ohio EPA, Maumee River Basin Commission, Purdue Extension Office, Watershed Leadership Academy, Citizens Action Coalition, Sierra Club, Plan-It Allen, Upper Maumee Watershed Management Plan and corresponding watershed management plans & peer reviewed research.