

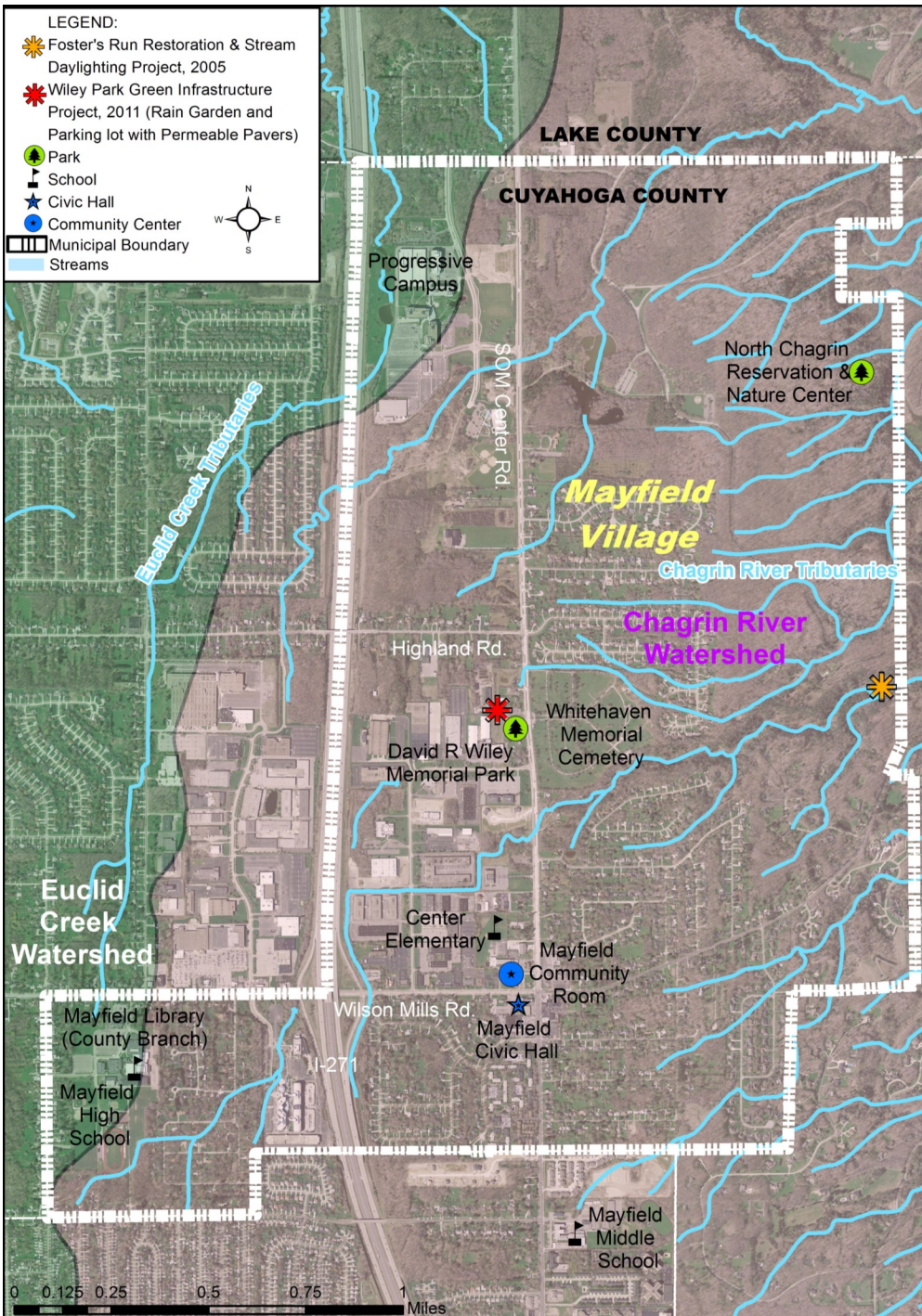
Mayfield Village Watershed Fact Sheet



Mayfield Village is in 2 watersheds

Euclid Creek drains an area of approximately 24 square miles from 12 communities in Cuyahoga and Lake Counties.

Chagrin River drains 267 square miles from 22 municipalities and ten townships within four Northeast Ohio Counties.



BOTH of these watersheds **drain directly into Lake Erie**, Mayfield Village's source of **drinking water**. Protecting your watersheds from runoff pollution also protects **Lake Erie and YOU**.

- Did you know?**
- Mayfield Village has **18.8 miles** of streams above ground with an estimated **1.87 miles** of additional streams that have been channeled underground in pipes/culverts.
 - As water moves across lawns and hard surfaces into storm drains, pollution is picked up and sent untreated to creeks and rivers which eventually empty into Lake Erie.
 - Vegetated surfaces, like rain gardens, help water soak into the ground which allows for natural filtration of polluted runoff.
 - The rate of extinction for freshwater animals is 5 times greater than that for land animals.
- Only Rain Down the Drain!*

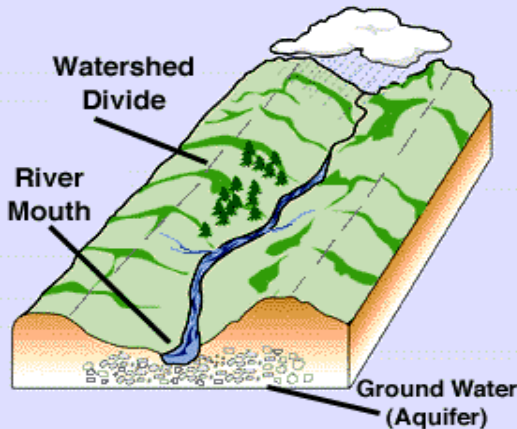
What is a watershed?
Flip to find out!

WATER—THE ULTIMATE RESOURCE

What is a watershed? A watershed is an area of land that drains rain and snow to a common body of water such as a stream, river, or lake. Our landscape is made up of interconnected watersheds.

We all live in a watershed!

A Watershed



Mayfield Village within Euclid Creek Watershed

- Mayfield Village makes up 1.1% or 0.26 square miles of the entire Euclid Creek Watershed.
- The Progressive Campus II is located in this area of Mayfield Village.
- 6% of Mayfield Village residents live within this watershed.
- Cuyahoga Soil & Water Conservation District has one, 2.3-acre conservation easement in Mayfield Village.
- 8.3% of land area of Mayfield Village is within the Euclid Creek Watershed or 0.32 square miles.



Mayfield Village within Chagrin River Watershed

- 92% of land area in Mayfield Village is within the Chagrin River Watershed or 3.58 square miles.
- About 17.1 miles of tributaries to the Chagrin River run through Mayfield Village, providing many opportunities for stream side habitat improvements.
- 28% of lands within this watershed are protected.
- The Cleveland Metroparks North Chagrin Reservation covers 1/4 of Mayfield Village's land area at 2,174 acres, and includes the Nature Center, Sanctuary Marsh and miles of trails for residents to enjoy.
- 15% of the Chagrin River Watershed within Mayfield Village is impervious surface (hard surfaces such as pavement).

Major water quality issues

- **Excess nutrients**, such as phosphorous and nitrogen, caused by urban pollution and fertilizers from gardens, lawn and turf maintenance.
- **Low fish populations** due to poor water quality as well as loss of habitat and man-made barriers (e.g. dams).
- After major storms, high intensity stream flow (called **flashy flows**) increases **stream bank erosion**.
- **Loss of green space and habitat** surrounding streams that provide a buffer zone to filter pollutants and provide shelter/food for bugs and fish.



Photo by John Cozzarin, Euclid Creek

How the VILLAGE protects your water

- Active member of the Chagrin River Watershed and the Euclid Creek Watershed Council.
- Leaf pickups in fall to prevent clogging of storm drains.
- Offers household hazardous waste (and other) recycling programs for residents.
- In 2001, the Village used grant funding to restore 2,300 linear ft. of stream corridor and daylighted (brought to the surface from buried conditions) 1,500 linear ft. of Foster's Run within the North Chagrin Reservation. These efforts help to restore the stream's health and storm water retention capabilities.
- In 2011, the Village received a \$184,429 grant to convert 0.3 acres of impervious pavement to grass cover with a passive storm water treatment system including an 800-square foot water retention island within Wiley Park.
- Hosts rain barrel workshops with Cuyahoga Soil & Water Conservation District.
- Adopted Sensible Salting Resolution and is investigating salt alternatives.
- Works with Cuyahoga County Board of Health on all public health concerns.

How YOU can protect your water

- Don't litter, and pick up litter where you see it.
- Keep grass clippings, paper and other waste out of storm drains.
- Report illegal dumping! Call the Service Dept. (440-442-5506) or the County Board of Health (216-201-2000).
- Install a rain barrel and/or plant a rain garden.
- Pick up outside pet waste and put it in the trash.
- Reduce hard surfaces. Replace your driveway and walkways with permeable paving.
- Clean paint from brushes, rollers and pans in the sink.
- Wash your car on the lawn or at a carwash.
- Reduce toxic substance usage around your home and on the lawn and garden.
- Never put motor oil, antifreeze, pet waste or anything else in storm drains.
- Reduce your use of fertilizers, pesticides and other chemicals on your lawn and garden.
- Keep your lawn 3 inches or higher to aid in water filtration.

Get involved with your local conservation / watershed group and take part in keeping your watershed clean and healthy.

Euclid Creek Partners

Euclid Creek Watershed Council

(Mayfield Village is a Watershed Council member)

Friends of Euclid Creek

Cuyahoga Soil & Conservation District

Euclid Creek Watershed Coordinator

Claire Posius

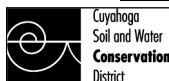
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Valley View, Ohio 44125

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Euclid Creek Website: www.cuyahogawcd.org

Click on *Services - Watershed Programs - Euclid Creek*



Mayfield Village

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