



MVSD • YOUR COMMUNITY WATER SUPPLY
Member Cities: Youngstown and Niles
www.meanderwater.org

SOURCE WATER PROTECTION PLANS

Northeast Ohio Planning
and Zoning Workshop

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Meander Water

The Mahoning Valley Sanitary District is a political subdivision located in Northeast Ohio. We were formed in 1926 under the Sanitary Act of the Ohio Revised Code for the purpose of providing a public water supply.



Meander Water

The District owned land consists of approximately 5,500 acres. The District's Meander Creek Reservoir covers 2,010 acres. The land is reforested with over 4 million evergreens and serves as an unofficial fish and game refuge with no public access permitted.



Meander Water

The Meander Creek Reservoir is 7 miles long and the drainage course covers over 3 counties. The watershed covers 86.5 square miles with urban development on the east side of the reservoir and a rural setting on the west. There are 7 significant tributaries and many minor tributaries.

Meander Water

Distributes water to a population of 220,000 in 7 municipalities and portions of 11 townships in Mahoning and Trumbull Counties

Produces an annual volume of water of 9.294 billion gallons (25.5 MGD)



Source Water Protection Plan

This Plan is intended to identify sensitive water courses and to provide the strategies to reduce the risk of contamination and sedimentation to the Meander Reservoir.



Source Water Protection Plan

The goal of the Plan is to reduce the potential for contamination and sedimentation while continuing to provide safe and potable water for over 220,000 people in Mahoning and Trumbull Counties.

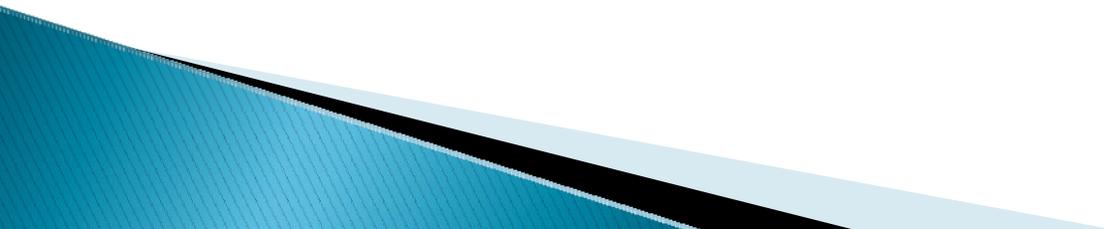


Key Components of Protection Plans

- ❖ Map the protection areas
 - ❖ Identify critical drainage courses
 - ❖ Identify potential contaminate sources
 - ❖ Develop protection strategies
 - ❖ Provide for monitoring of the critical water courses
 - ❖ Develop contingency plans
 - ❖ Implement strategies
 - ❖ Provide educational programs
 - ❖ Establish source water management activities
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Source Water Protection Plan

This Plan also enlists various local communities and governmental agencies to help develop and implement protective source water management activities as part of the Plan.



Mahoning Valley Sanitary District:

Meander Water Distribution

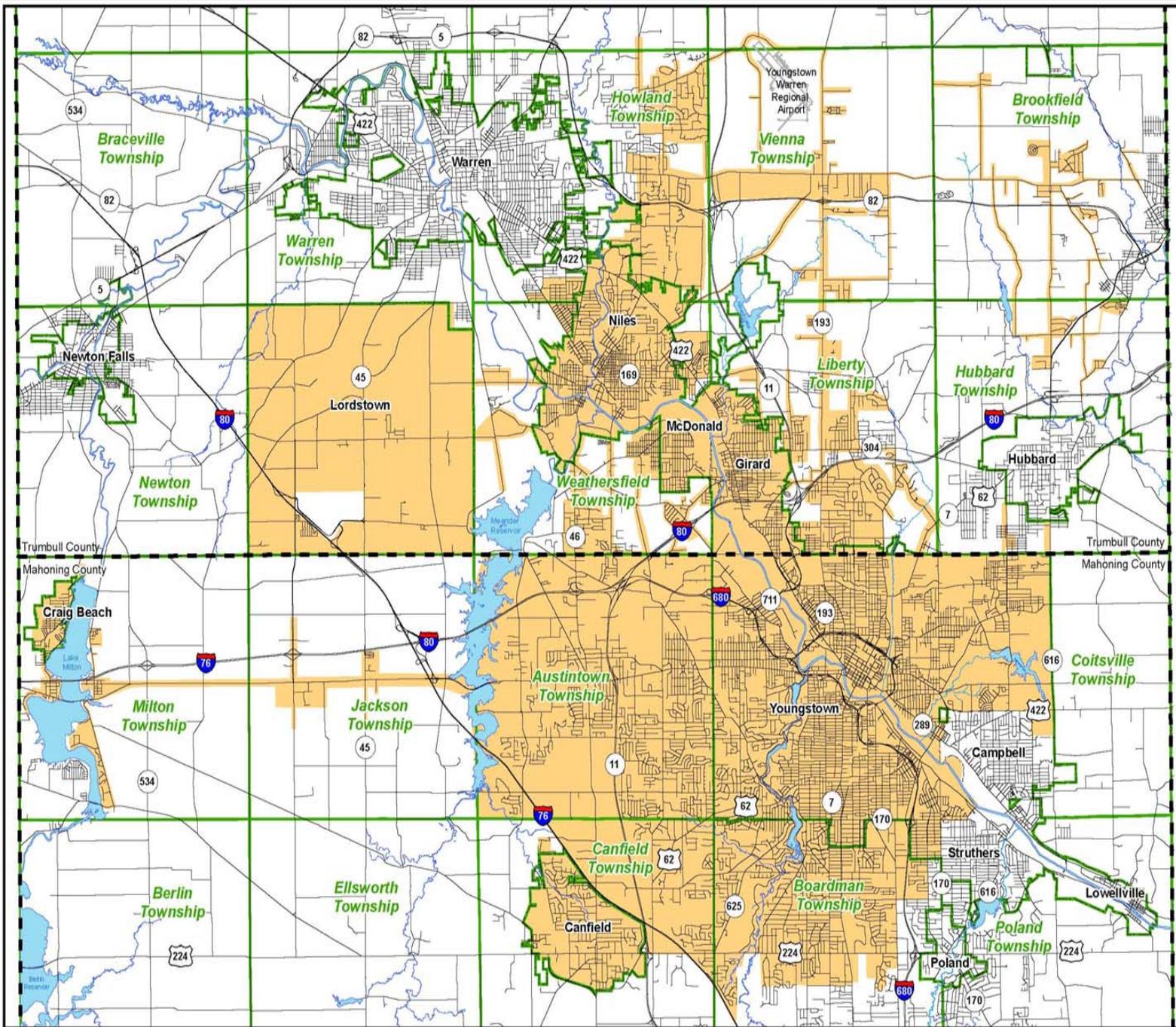
Legend

-  Distribution Area
-  Municipality
-  Township
-  Roadway
-  Lake
-  Stream

0 0.9 1.8 2.7 Miles



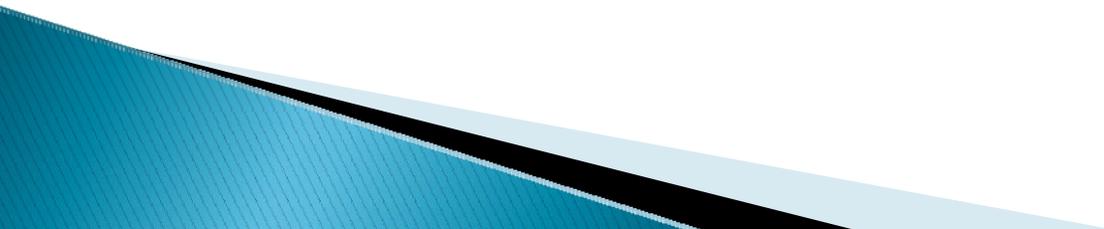
 **EASTGATE**
Regional Council of Governments



Trumbull County

How we live and occupy this land will have a profound effect on the water quality of the streams and in turn, the health of our environment, which influences our very existence.

<http://www.swcd.co.trumbull.oh.us>



~Lifeline of Our Community~

Streams are the arteries and capillaries of our community, carrying precious water throughout the watershed.

A watershed is an area of land from which the surface water drains into a common outlet such as a river, lake or wetland.

The watershed boundaries are determined by the shape of the land, and the streams act as a conveyor belt transporting any particles and/or impurities from the surface of the land as water drains down to the river, lake or wetland.

**Meander Reservoir
(Source)**

MVSD (Supplier)

City of Niles



Meander Reservoir

Lordstown

**Weathersfield &
Howland
Townships**

**Weathersfield, Warren, Newton &
Jackson Townships**

Girard

Liberty Twp., Weathersfield Twp.

TC Sanitary Engineer

**Liberty, and
Vienna Townships**

Mineral Ridge, Howland Twp.

**Meander Reservoir
(Source)**

MVSD (Supplier)

Village of McDonald

Girard

Weathersfield Twp.



Meander Reservoir

Meander Reservoir (Source)

MVSD (Supplier)

City of Youngstown



**Townships Of
Austintown
Boardman
Canfield
Liberty &
Hubbard**

Canfield

MC Sanitary Engineer

Jackson Twp./Milton Twp.

Girard

Liberty Township

TC Sanitary Engineer

Mineral Ridge

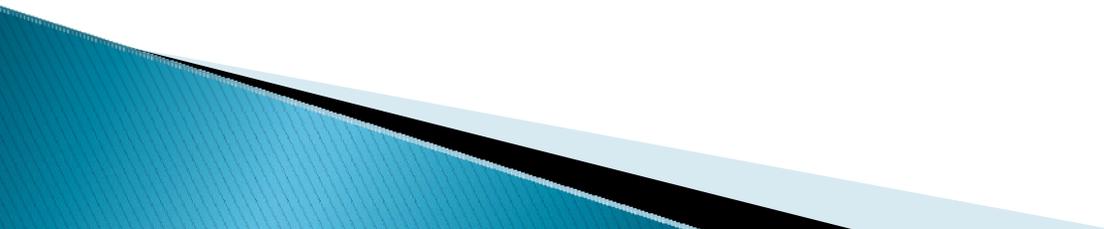


What you can do to help?

Minimize the use of pesticides and fertilizers on your yard or property;

Use and dispose of cleaning products, paints and other products containing harmful materials properly;

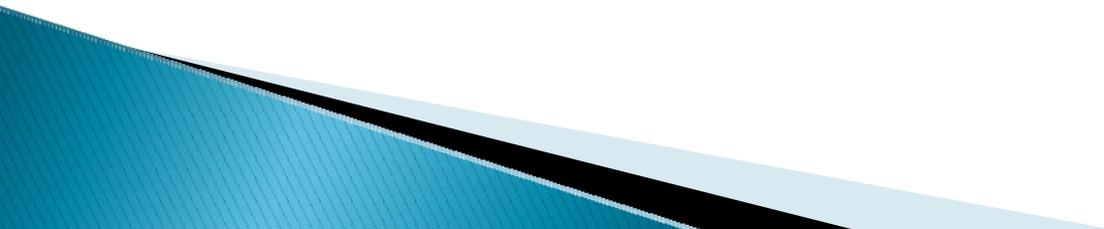
Report accidents, improper discharges, and spills that occur near waterways;



What you can do to help?

Don't over water a yard or garden, since water runs off and can contain fertilizers, pesticides, soil and debris;

Make sure your septic system is working properly; and



What you can do to help?

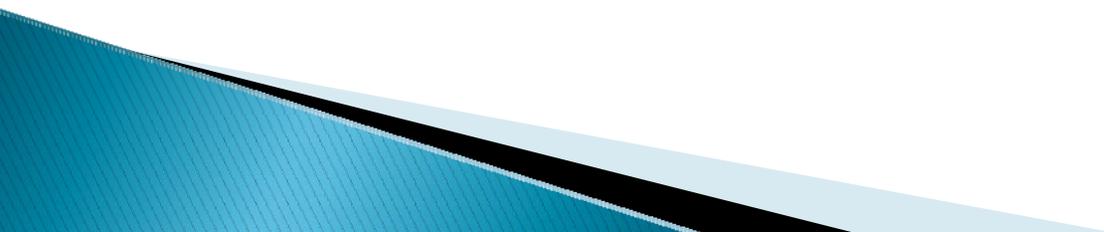
Sweep your street, especially around curbs with storm drains, since it will reduce the amount of pollutants, debris and decaying vegetation entering waterways.

Contact your local public water system provider to learn if a Drinking Water Source Protection Plan is in place or being developed.

What you can do to help?

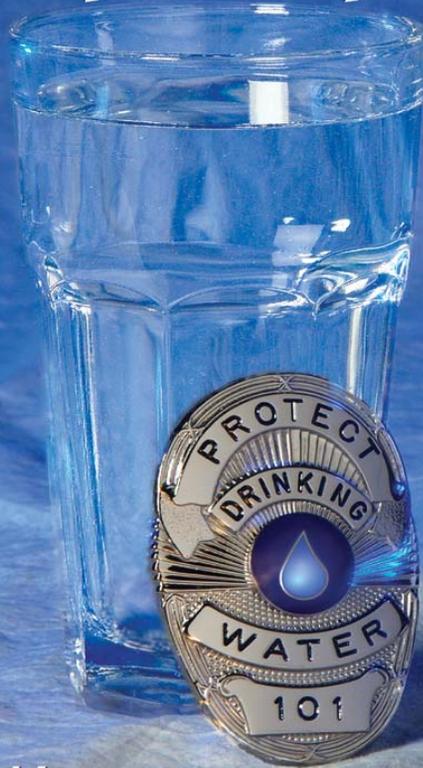
Individuals can also offer their assistance by organizing a protection team in the community. **Get Involved!**

Anyone with energy and organizational skills can be a valuable community resource.



DRINKING WATER SECURITY

report suspicious activity



watch out!
help out!
report it!

WE'RE ALL IN THIS TOGETHER

FOR EMERGENCIES: 911

FOR MORE INFORMATION: 330-652-3614



www.epa.gov/safewater/security

Safe Drinking Water Act
EPA 810-F-03-004
April 2003

Resources

Ohio Environmental Protection Agency
www.epa.state.oh.us

The City of Warren, Water Pollution
Control Center (330-841-2591)
www.warren.org

The Mahoning Valley Sanitary District
www.meanderwater.org

Resources

Geauga-Trumbull Solid Waste
Management District (1-800-707-2673
or 330-675-2673)

www.startrecycling.com/events.asp

Trumbull County Planning Commission
(330-675-2480)

www.planning.co.trumbull.oh.us

Trumbull County Soil & Water (330-637-
2056) www.swcd.co.trumbull.oh.us