

For questions about Zanesville's Drinking Water Source Protection Plan, contact:

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Did you know...

- *Only 3% of the water on earth is drinkable.*
- *Less than 1 gallon of gas can pollute 1 million gallons of water*
- *You can avoid contaminating your source of drinking water by properly disposing of chemicals that have the potential to cause ground water contamination.*
- *Improper disposal methods include: pouring chemicals on the ground, down a sink or toilet, or down a storm drain (many storm drains lead directly to rivers)*

To Learn More about Drinking Water Source Protection in Ohio:

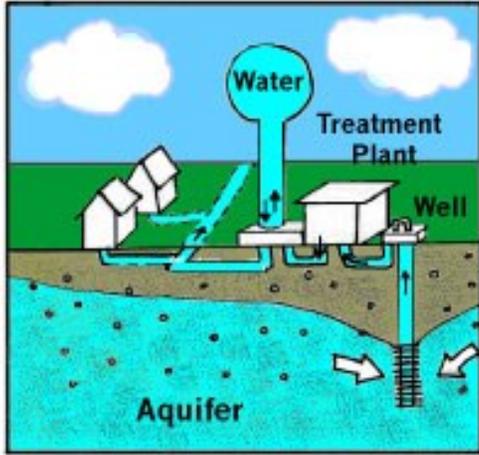
Ohio Environmental Protection Agency
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43215-1049
(614) 644-2752
epa.ohio.gov/ddagw/swap.aspx

Protecting the City of Zanesville's Source of Drinking Water

Steps our community can take to help limit the costs of water treatment and ensure a safe supply of water for the future



Where does the City of Zanesville's drinking water come from?



The City of Zanesville's drinking water is pumped out of the ground by twelve wells located in Riverside Park, along the eastern edge of the Muskingum River, just north of downtown. This ground water is pumped to a new water treatment plant, where it is filtered, chlorinated, and treated to remove excess iron and manganese. From there, it is pumped through an

underground network of pipes to homes and businesses throughout the city and surrounding area.

Where does the ground water come from?

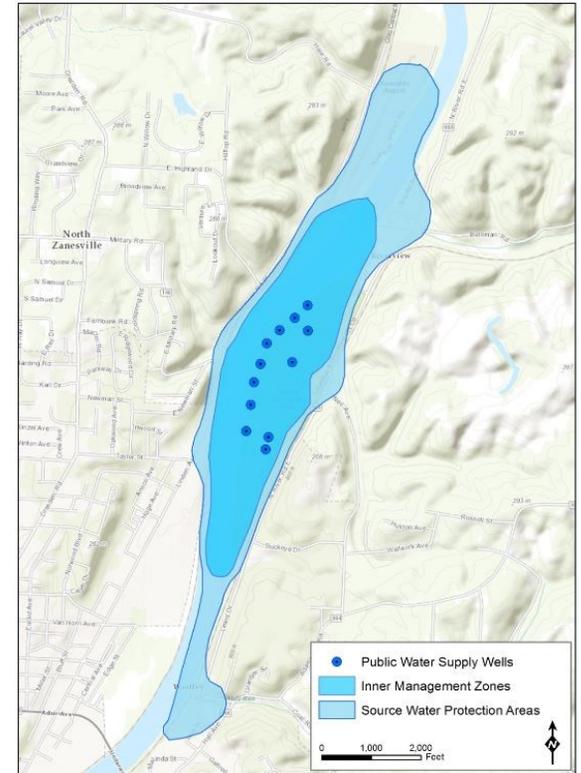
Ground water originates from rain or melted snow that has seeped into the ground. Water fills spaces between sand and gravel, as well as fractures in rocks. Where underground water is abundant enough to provide an adequate source of water, the water-rich sediments or rocks are called an aquifer. The City of Zanesville's drinking water supply comes from a sand and gravel aquifer in the Muskingum River Alluvial Aquifer system.

Ground water does not stay in one place. The ground water supplying Zanesville's wells seeps very slowly from north to south, following the flow direction of the Muskingum River. This means that if pollutants are spilled on the ground near the wells, or anywhere in the vicinity of the well field, they may eventually enter the ground water that you are drinking. Although the water plant provides basic treatment, it would be very expensive to purchase treatment systems for every type of possible pollutant. This is why everyone in the City of Zanesville should know about **Drinking Water Source Protection**.

What is Drinking Water Source Protection?

Drinking Water Source Protection is a plan of action for protecting the water you drink from contamination at the source.

To assist Zanesville with its drinking water source protection efforts, Ohio EPA provided the city with a revised Drinking Water Source Assessment report in February, 2015. This report includes a map of the protection area (shown at right) based on calculations of how far water travels through the aquifer in one year ("Inner Management Zone") and in five years ("Source Water Protection Area"). The report also includes information on land uses and facilities that may pose a contamination risk to the drinking water source. Potential risks are based on proximity to the drinking water source and the kinds and quantities of chemicals that are typically handled by these types of facilities.



The City of Zanesville has used the information in the assessment report to develop a drinking water source protection plan. If you would like to be more involved with the city's drinking water protection efforts, or if you would like to see a copy of the city's drinking water source protection plan, please contact the City of Zanesville's Water Division at (740) 455-0631.