

WHY WELLHEAD PROTECTION?

Water is the most basic resource in life. We all need it to survive. Most people in Williams County rely on groundwater for their drinking water. Wellhead protection is a strategy to protect the public, and private, groundwater supplies from pollution.

Wellhead protection also protects our investment in the community. The program protects wells and water treatment systems. Costs for treating contaminated groundwater or finding another source of water can cost hundreds of thousands of dollars. Protecting the resources already in place is much more cost-effective.

The future economic development of the Edgerton area depends on it. A clean and reliable source of drinking water is a positive aspect of any community. It is a major factor in keeping homeowners and businesses in our community.

Groundwater is filtered and cleaned naturally in aquifers. The Village "taps" a sand and gravel aquifer with three wells to provide the public with drinking water. Groundwater is the cleanest, most reliable, and often least expensive source of drinking water. Protecting this resource makes good sense environmentally, financially, and most importantly, for our health.

Some Water Facts:

- 97% of all the earth's water is salt water found in oceans and seas. 2% percent of earth's water is currently frozen. Only 1% of the earth's water is available for drinking water.
- 67% of the human body is water.
- Typically, households consume approximately 30% of their water for outdoor use, such as watering the lawn. Toilets use the most water indoors, with an average of 27 gallons per person per day.
- The average five-minute shower uses between 15 to 25 gallons of water.
- One inch of rainfall drops 7,000 gallons, or nearly 27 tons of water, on a 60' x 180' piece of land.
- You can refill an 8 oz. glass of water 15,000 times for less money than the cost of a six-pack of soda.
- Edgerton's water costs \$20.21 for 5,000 gallons, which breaks down to \$0.0040 per gallon. The cost for 5,000 gallons of bottled water could be well over \$4,000.
- Edgerton's two water towers each hold 100,000 gallons. Our three wells can produce 1.5 million gallons of water per day.



Resources, Strategic Position and Quality Living!

The Village of Edgerton *Wellhead Protection Program* Protecting Your Drinking Water Supply

The purpose of Wellhead Protection is to protect municipal drinking water supplies from contamination. In turn, private wells are also protected.

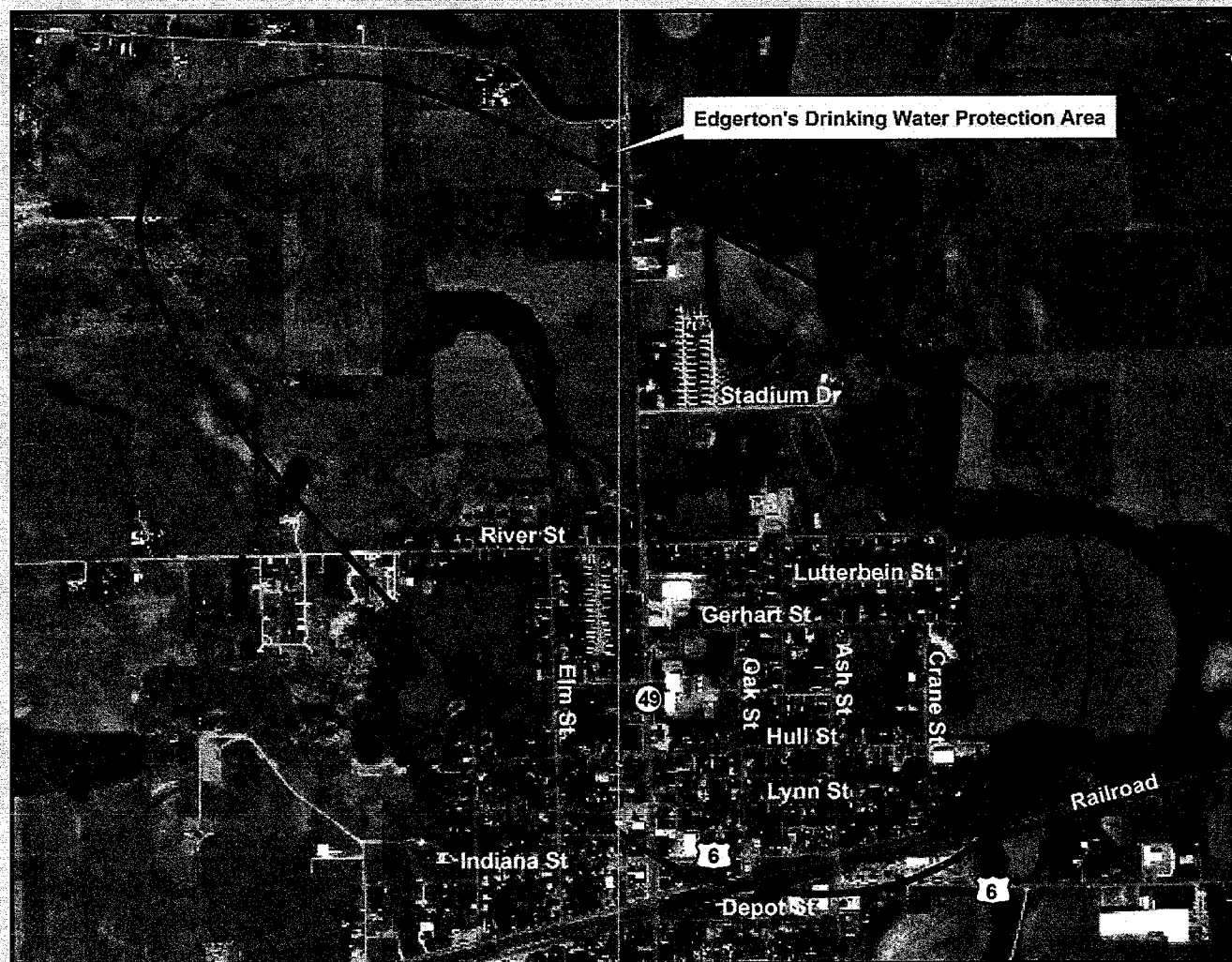
Edgerton's municipal water system distributes fresh, treated water pumped from three wells of approximately 80 feet in depth. There are two 100,000 gallon tanks elevated 100 feet above ground with a reserve of an additional 50,000 gallons of untreated water at ground level. Our present water consumption is about one-half of our capacity.

Please call the Water Department at (419) 298-8025 or visit Edgerton's website at www.edgerton-ohio.org to learn more.

*Protect Drinking Water...
Our Future Depends On It!!*

A computer modeling program determined Edgerton's drinking water protection area using measured aquifer properties. Based upon the model, groundwater (and pollutants) within the blue area below can reach our production wells in five years. The goal of protecting our groundwater supply can be achieved through public education and by reducing and/or eliminating potential sources of contamination.

The Village's Public Education Program is meant to generate awareness within the community about groundwater protection. You are encouraged to get involved in this important community program!



How Does Groundwater Become Contaminated?

- Abandoned wells
- Leaking underground storage tanks
- Industrial activities
- Transportation activities
- Dumps and landfills
- Agricultural activities
- Homeowner activities

How Can I Help??

Properly plug abandoned wells on your property. These wells threaten drinking water because contaminants can directly enter the aquifer through the well.

Recycle household chemicals. Antifreeze, pesticides, herbicides and NiCad batteries can be recycled locally. Call the Water Dept at 298-8025 for contact information.

Don't over apply lawn chemicals or pesticides. Follow instructions when using pesticides and fertilizers. Over-application is harmful.

Don't water the lawn at high noon. The hot sun will evaporate the water that your lawn needs. Instead, water in the morning or evening to conserve water.

Don't wait a week to fix a leak. A toilet leak can lose up to 200 gallons of water a day. A faucet can drip 2 gallons per day. Water wasted is \$\$\$ wasted.

Pump septic tanks every 2-4 years. Regular septic tank maintenance helps prevent bacteria and nitrates from entering groundwater.