

PLACE
STAMP
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WELLHEAD PROTECTION

A program to protect groundwater, our local source of drinking water, from potential sources of contamination.



Fun Facts!

- ◆ The City of Howell and the **MHOG** water systems entered into a wellhead protection partnership due to the close proximity of their well fields.
- ◆ These 12 **groundwater** wells are permitted to produce a maximum of 10,350 gallons per minute or almost 15 million gallons per day.
- ◆ The two municipal well systems serve clean **drinking** water to a population of more than 25,000 people each day.
- ◆ The **clean** drinking **water** is supplied to these residents by almost 1,000,000 feet or approximately 200 miles of water mains.
- ◆ The City of **Howell** and MHOG municipal drinking water supply systems have a total of 8 storage tanks.

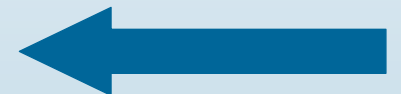
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How Can You Help Protect Your Drinking Water?

- ◆ Properly dispose of household hazardous waste: Do not dump items such as motor **oil**, fuel products, cleaners, paints, **pesticides** or prescription medications on the ground or into your household drain. Call the Livingston County Department of Public Works at 517-545-9609 for assistance in disposing of these items **safely**.
- ◆ Read labels and follow directions on all **chemicals**, fertilizers, pesticides and other hazardous products you use.
- ◆ Septic Systems and Unused Wells: Make sure that your **septic** tank is pumped periodically. Signs of system malfunction are: slow drains and flushing, back-ups and **saturated** drain fields. Unused and abandoned wells are direct conduits for contaminant introduction into the groundwater. For more information on how to properly plug abandoned wells and maintain septic systems, contact Livingston County Health Department at 517-546-9858 (<http://www.lchd.org>).

Word Search

- ◆ Look for the bolded words in *Fun Facts* and *How do you Help Protect your Drinking Water* and locate them in the Word Search.



4288 Norton Road
Howell, MI 48843

Where Does Your Drinking Water Come From?

💧 **Groundwater:** Water that is located beneath the surface of the earth which recharges through the infiltration of rain and snow.

💧 **Drinking Water:** All drinking water in Livingston County, including the City of Howell and MHOOG municipal drinking water, is supplied by groundwater wells.

What is Wellhead Protection?

💧 **Wellhead Protection Plan:** The City of Howell and MHOOG have implemented this plan to protect the groundwater and your drinking water source.

💧 **Mission Statement:** It is the mission of MHOOG and the City of Howell to continuously protect the local drinking water resource from existing and potential contamination for generations to come.

For More Information:

MHOOG Water Authority:

517-545-5098

<http://www.genoa.org/departments/utilities>

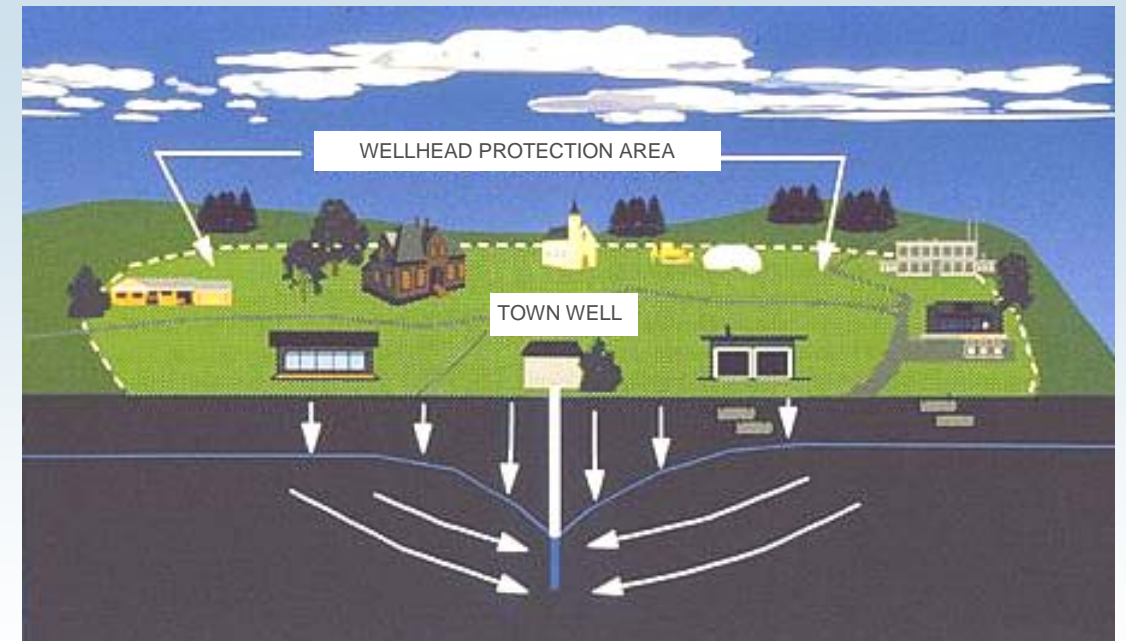


City of Howell: 517-546-5309

<http://cityofhowell.org/water>

Why Do We Need A Wellhead Protection Plan?

The diagram to the right shows how surface water and contaminants can seep through the surface of the earth and into our groundwater resource. The contaminated water can then flow into a water supply well. Learn about our water sources and spread the information to friends and neighbors! Please visit the City of Howell and MHOOG websites for more information on protecting our groundwater resources.



Map showing MHOOG and Howell's Wellhead Protection Delineation Areas

💧 Howell and MHOOG have established three wellhead protection areas that are shown on the adjacent map.

💧 The wellhead protection areas are those areas that have been determined to contribute groundwater to the Howell and MHOOG water supply systems over a 10 year period.

💧 The wellhead protection program provides mechanisms which reduce the risk of contamination from reaching the groundwater in these areas.

