

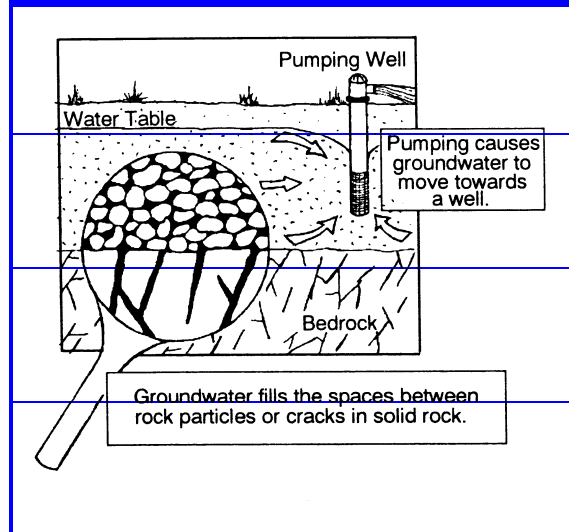
What are the steps in preparing a Wellhead Protection Plan?

1. Form a Community Planning team.
2. Identify the land area to be protected.
3. Identify land uses and possible sources of pollution in the wellhead protection area and determine how vulnerable the wellhead protection area is to pollution.
4. Implement ways to prevent groundwater pollution.
5. Develop an alternate way to supply water if the public drinking water resources become polluted.

WE NEED YOUR HELP! What can you do?

To protect local groundwater:

- 1) If you use automobile products or change your motor oil at home...use and dispose of the products properly.
- 2) Use pesticides and herbicides according to directions on package...more is not better.
- 3) Regularly inspect and pump septic tanks every five years.
- 4) Conserve water at home and at work.
- 5) Report spills to the Water Authority.



What is Groundwater?

Groundwater is the water that fills the small spaces between rock particles (sand, gravel, etc.) or cracks in solid rock. Rain, melting snow, or surface water becomes groundwater by seeping into the ground and filling these spaces. The top of the water-saturated zone is called the "water table".

When water seeps in from the surface and reaches the water table, it begins moving towards points where it can escape, such as wells, rivers, or lakes.

An aquifer is any type of geologic material, such as sand or sandstone, which can supply water to wells or springs.

The groundwater, which supplies wells, often comes from within a short distance (a few miles) of the well. How fast groundwater moves depends on how much the well is pumped and what type of rock particles or bedrock it is moving through.

WHERE DOES YOUR

DRINKING WATER

COME FROM?



**Municipal Authority
of the Borough of Boswell**
has developed a
**SOURCE WATER PROTECTION
PLAN**
in cooperation with the
PA Department of Environmental
Protection
the
Pennsylvania Rural Water Association
Groundwater-Source Water Protection
Program

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For Information contact:

Boswell Borough Water Authority
814-629-6107

A Message from the Boswell Source Water Protection Committee

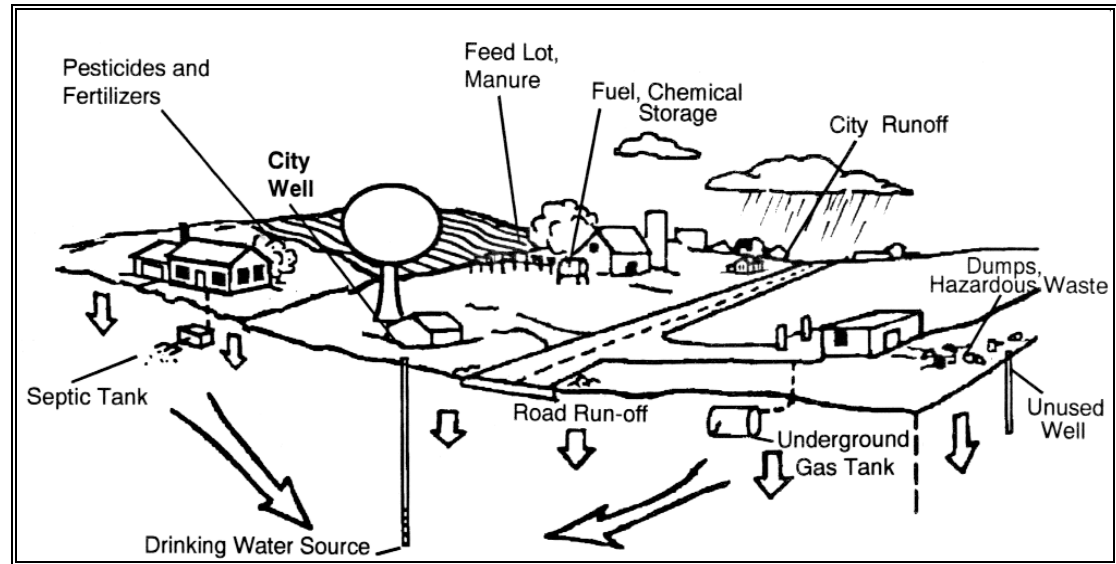
Boswell Water Authority has two wells located near Laurel Mountain in the Roaring Run Watershed in Jenner Township. These wells draw water from groundwater aquifers located several hundred feet underground. Groundwater aquifers are vulnerable to contamination from human land surface activities.

A Message from the Boswell Water Authority

The Boswell Water Authority, in partnership with Jenner Township, is taking proactive steps to protect the raw water sources that supply our drinking water to ensure that our residents have plenty of clean, healthy drinking water now, and for future generations. The residents of Boswell Borough and Jenner Township rely on groundwater from wells or springs for their drinking water. The Boswell Borough Water Authority is developing a Wellhead Protection Plan for wells.

A Wellhead Protection area map can be viewed at the Water Authority Office. The Protection Plan has identified potential contamination sources and is preparing ordinances to limit contamination to the groundwater.

This brochure is a brief introduction for you to learn how to protect our groundwater.



Examples of Source Water Contamination

What is Source Water Protection and why is it important in our community?

Source Water Protection is a way to prevent drinking water from becoming polluted by managing possible sources of contamination in the area which supplies water to a public well. Everyone has an important part to play in protecting drinking water wells and springs - today and for the future. Source Water Protection is a community effort...we hope you will read this and other information forwarded to you...and help protect our water supply.

Why do wells sometimes become polluted?

Wells become polluted when substances that are harmful to human health get into the groundwater. Water from these wells can be dangerous to drink when the level of pollution rises above health standards. Many of our everyday activities can cause pollution. Much can be done to prevent pollution, such as wise use of land and chemicals. The expense of treating polluted water or drilling new wells can also be avoided. Help avoid drinking water contamination by being an environmentally aware citizen.