

## What are the steps in preparing a Wellhead Protection Plan?

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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.

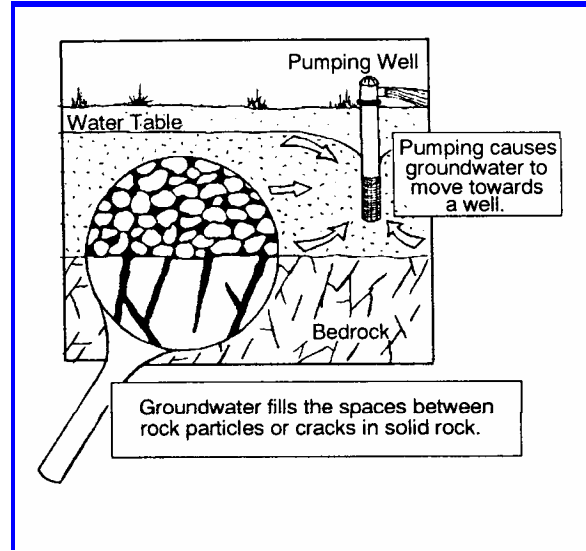
## WE NEED YOUR HELP! What can you do?

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### 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) Be aware of what you throw on the ground...remember it doesn't just disappear...it goes into the aquifer.
- 4) Conserve water at home and at work.

## 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?



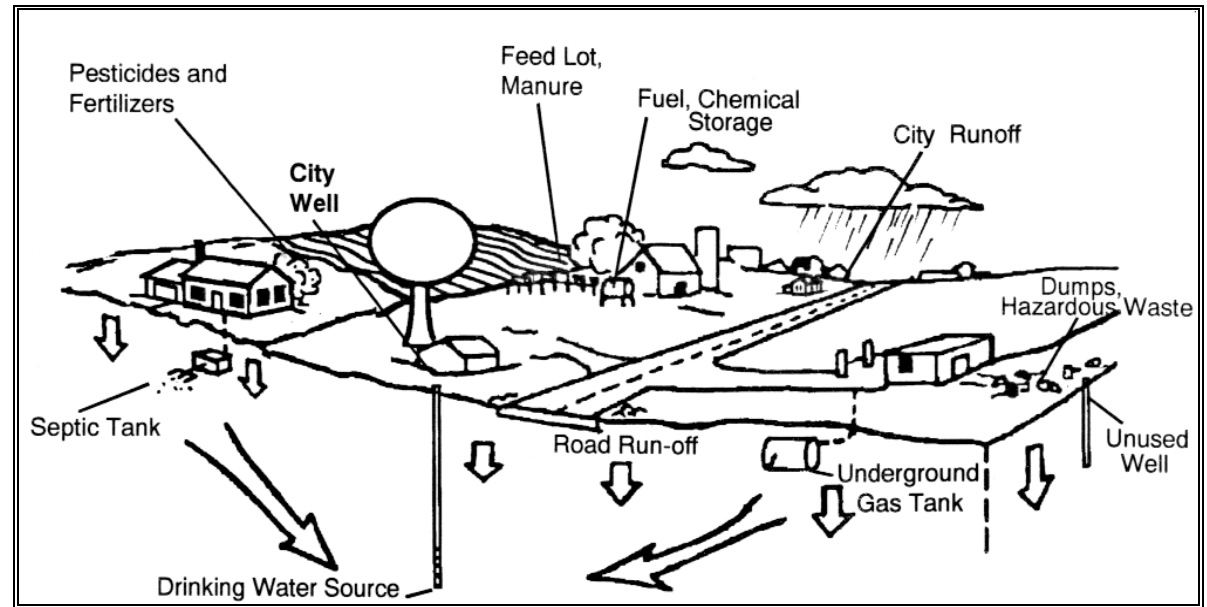
Dushore  
has developed a  
**SOURCE WATER PROTECTION PLAN**  
in cooperation with the  
PA Department of Environmental  
Protection  
and the  
Pennsylvania Rural Water Association  
Groundwater-Source Water Protection  
Program

This brochure was funded by the League of  
Women Voters of Pennsylvania Citizen  
Education Fund under a grant from the  
Pennsylvania Department of Environmental  
Protection

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## A Message from the Dushore Borough Source Water Protection Committee

The residents of Dushore rely on groundwater for their drinking water supply. The Borough has four wells and two reservoir tanks located within the Borough and Cherry Township limits. These wells draw water from groundwater aquifers located several hundred feet underground. Groundwater aquifers are vulnerable to contamination from human land surface activities.



Examples of Source Water Contamination

## A Message from the Dushore Borough Council

Dushore Borough Council and Dushore Water Authority are pleased with the time and effort the Source Water Protection Committee have put into the wellhead protection plan. During the development of the program we learned that water travels underground for miles before it reaches a well. We have also learned that it is very expensive and difficult to clean up a groundwater source once it is contaminated. We think that Dushore is a wonderful place to live and raise a family. Please help protect our groundwater resources so that generations to come will enjoy safe, clean drinking water.

## Most People in Pennsylvania get drinking water from wells

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.