

Woodland Homeowner's Association Pollution Risk Assessment Results

Woodland Homeowner's Association (PWSID 1900020) is a community water system in Coventry that serves approximately 120 people through 34 service connections. The water system consists of one gravel packed well. Water is pumped from the well to a storage tank and then released to the distribution system. The last sanitary survey was March 2, 2001. For further information contact Barry Mulvey at 6 Paige Drive, Coventry, RI 02816.

The Source Protection Area is a circle of radius 1,750 feet, or about 220 acres (see Figure 2 on back). It is wooded with low to moderate density residential development. The area also includes cropland and commercial land use (see Table 1 on back).

Sample Summary (for the previous five years)

- ▲ Bacteria have not been detected.
- ▲ Nitrate levels in groundwater are somewhat higher than background levels, which may indicate contribution from human activity.
- ▲ No violations of the standards for other regulated contaminants have been identified. However, there have been detections below levels considered acceptable by US EPA. This indicates the need for continued monitoring.

This report summarizes assessment results for this water system. The assessment identifies both known and potential sources of pollution occurring in the source protection area, and ranks the water source based on the likelihood of future contamination. The goal of this study is to help water suppliers, local officials, residents and consumers to learn more about source water protection. Because water quality is directly related to land use activities, everyone living or



Susceptibility To Contamination		
Low	√ Moderate	High

Note: A ranking of **MODERATE** means that the water could become contaminated one day. Protection efforts are important to assure continued water quality.

working in the source protection area has a role to play in keeping local water supplies safe.

POLLUTION RISKS:

- ▲ Residential land use is densely clustered near the well.
- ▲ Several roads are located near the well, increasing the risk of hazardous material spills and road salt contamination.
- ▲ Underground storage tanks are located inside the source protection area.
- ▲ Tillable cropland is located Northwest of the well.

PROTECTION OPPORTUNITIES:

- ▲ The source protection area contains undeveloped forestland, which protects water quality.
- ▲ The town can implement land use controls and programs to protect this source protection area from future high-intensity development.
- ▲ Many of the existing threats to water quality are under the control of residents and can be monitored.
- ▲ Residents can follow the guidelines on the back to reduce the impact of household contaminants.

Source Water

The focus of these assessments is on public drinking water supply "source" areas—the *wellhead protection area* that recharges a well or the *watershed* that drains to a surface water reservoir. Source water is untreated water from streams, lakes, reservoirs, or underground aquifers that is used to supply drinking water.

Source Water Assessments were conducted by the R.I. Department of Health in collaboration with the University of Rhode Island Cooperative Extension (URI CE) under the Rhode Island Source Water Assessment Program. This is part of a national initiative, established under the 1996 Amendments to the Federal Safe Drinking Water Act (SDWA), to foster more comprehensive protection of drinking water supplies at the local, state, and national levels.

