

Touisset Point Water Trust Pollution Risk Assessment Results

Touisset Point Water Trust (PWSID 1615626) is a community water system in Warren that serves approximately 225 residents through 68 service connections. The water system consists of two gravel developed wells and six storage tanks. Water is treated before distribution. The last sanitary survey was June 5, 2001. For further information contact Edward McAloon at 3 Bayview Avenue, Warren, RI 02885.

Treatment:

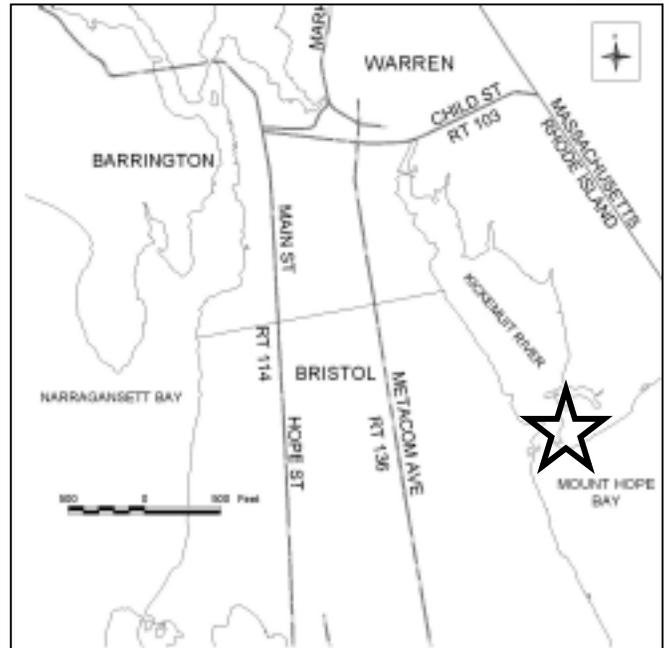
An aeration system is used for corrosion control.

The Source Protection Area was drawn based on RI DEM's estimation of where the water pumped from the well originates. For more information, contact RI DEM's Office of Water Resources. The area is an irregular shape about 1/3 mile north to south and about 1/2 mile east to west (see Figure 2 on back). It is mostly moderate to high density residential development with a developed recreational area. Beaches and small areas of pastureland and woods are located along the periphery (see Table 1 on back).

Sample Summary (for the previous five years)

- ▲ Bacteria have not been detected.
- ▲ Nitrate levels in groundwater are higher than half the US EPA standard for nitrate. This indicates significant contribution from human activity. A program to reduce nitrate may be helpful.
- ▲ 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



Susceptibility To Contamination		
Low	Moderate	✓ High

Note: A ranking of **HIGH** does **NOT** mean that the water is unsafe to drink. It **DOES** mean that we must be especially aggressive in protecting the water supply.

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

POLLUTION RISKS:

- ▲ High-intensity land uses, including recreational and residential, are densely clustered near the wells.
- ▲ Several roads are located near the wells, increasing the risk of hazardous material spills and road salt contamination.
- ▲ Heating oil is stored in most residences, posing the risk of groundwater contamination.

PROTECTION OPPORTUNITIES:

- ▲ The town can continue to pump septic systems twice a year.
- ▲ Residents should consider reducing applications of fertilizer and pesticides. More guidelines for reducing the impact of household contaminants can be found on the back.

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.

