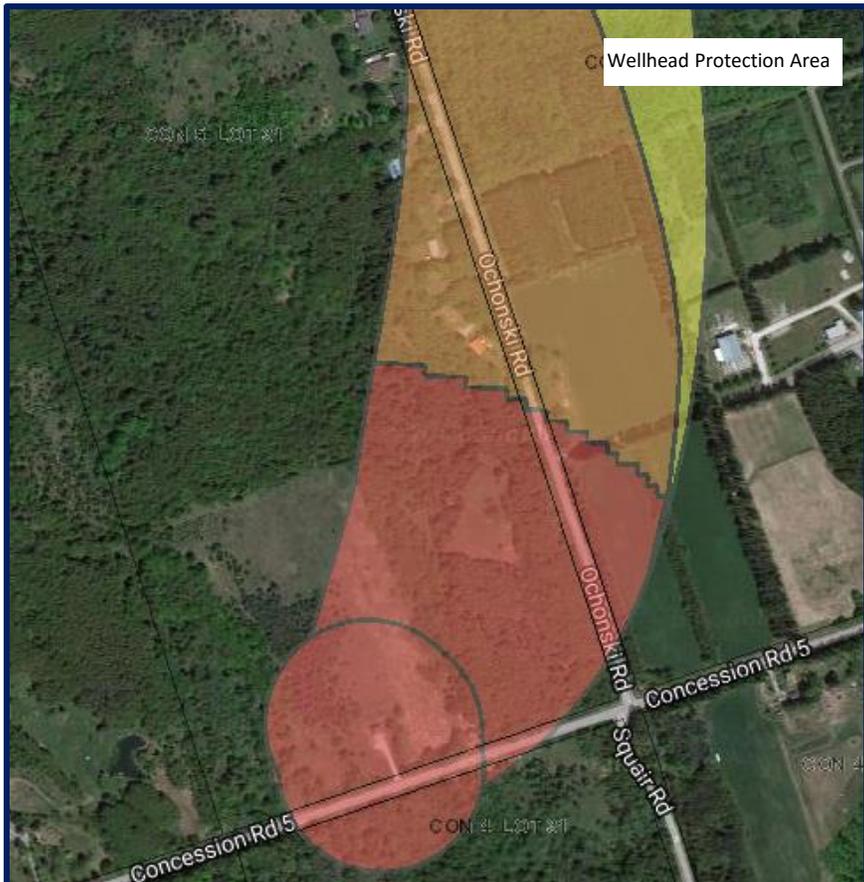


The Orono Municipal Drinking Water System is 1 of 53 municipal residential drinking water systems in the Trent Conservation Coalition Source Protection Region, and 1 of 6 such systems in the Ganaraska Region Source Protection Area.

On January 1, 2015, policies set out in the Ganaraska Source Protection Plan came into effect to better protect the source water for the municipal drinking water system by reducing or eliminating *significant* threats associated with certain land based activities. The Plan was developed under the *Clean Water Act* in response to the Walkerton Inquiry.

A drinking water threat is a land-based *activity* that can impact the quality of a municipal drinking water source (due to a spill or leak). *Significant* drinking water threat activities can only occur in Vulnerable Areas such as the Wellhead Protection Area for this municipal drinking water system (shown on right and on reverse). Plan policies are intended to reduce or minimize the significant threat posed by such activities.



**Types of Drinking Water Threats**



- ✓ Waste
- ✓ Sewage/Septics
- ✓ Livestock
- ✓ Snow storage
- ✓ Other chemicals
- ✓ Pesticides
- ✓ Fertilizer
- ✓ Nutrients
- ✓ Fuel

To learn more about these threats visit [www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)

Water Source	Groundwater
Owned By	Regional Municipality of Durham
Operating Authority	Regional Municipality of Durham
Serviced Population	1,793 (approximately)
Annual Pump Rate	348.2 cubic metres per day (average)
Well Depth	Well 1: 13.7 metres Well 2: 13.7 metres Well 3: 12.4 metres
Aquifer Type	Overburden, covered by a deposit of relatively low hydraulic conductivity
Treatment System	Treatment is in place to remove and control natural parameters such as hardness.

Drinking water threats can only occur in the Orono Wellhead Protection (as shown in the graphic) and as illustrated on the Policy Applicability Map included in the Ganaraska Source Protection Plan.

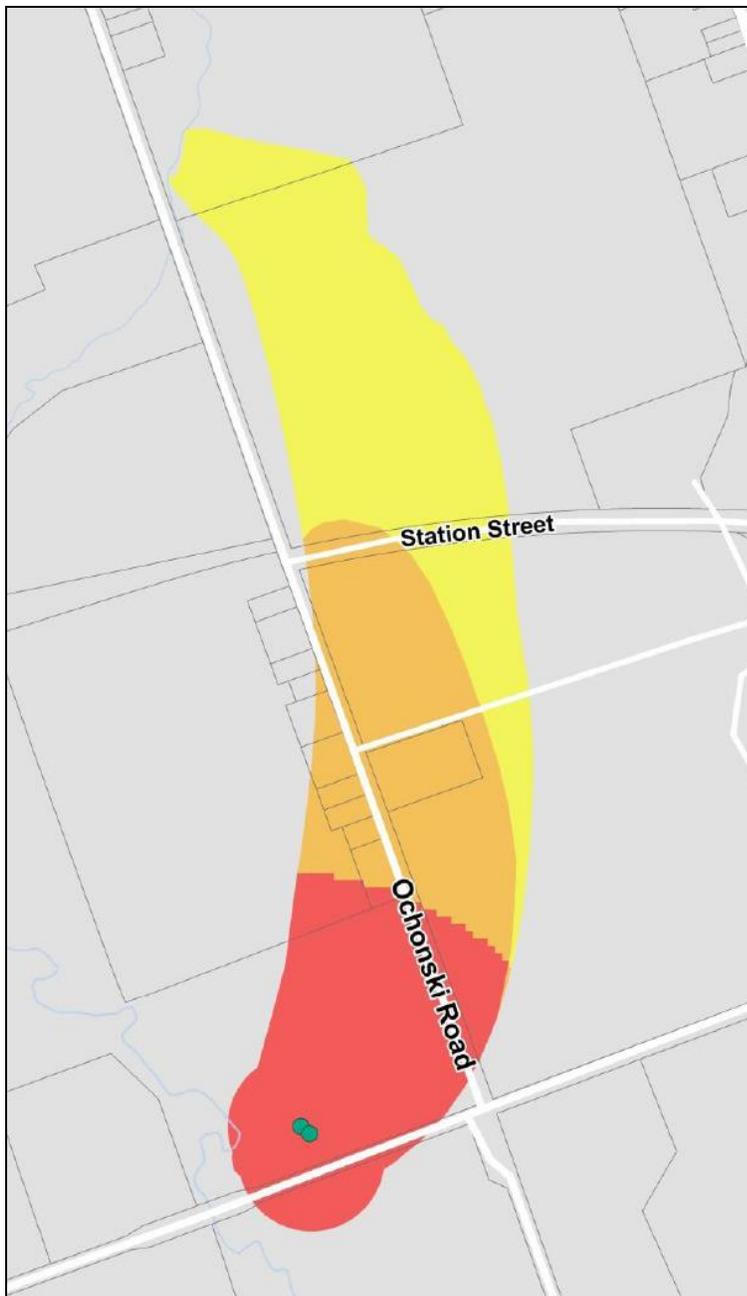
The location, scale and nature of an activity determine if it poses a low, moderate or *significant* threat to the municipal drinking water source. Policies in the Ganaraska Source Protection Plan only apply to *significant* drinking water threats.

Within the Orono Wellhead Protection Area, the current existing significant drinking water threats include agricultural activities.

 Contaminants can occur immediately around the municipal wellhead (●).

 Contaminants may reach the municipal wellhead (●) in 2 years or less if spilled or leaked in this area.

 Contaminants may reach the municipal wellhead (●) in 5 years or less if spilled or leaked in this area.



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The Ganaraska Source Protection Plan is available at [www.grca.on.ca](http://www.grca.on.ca)