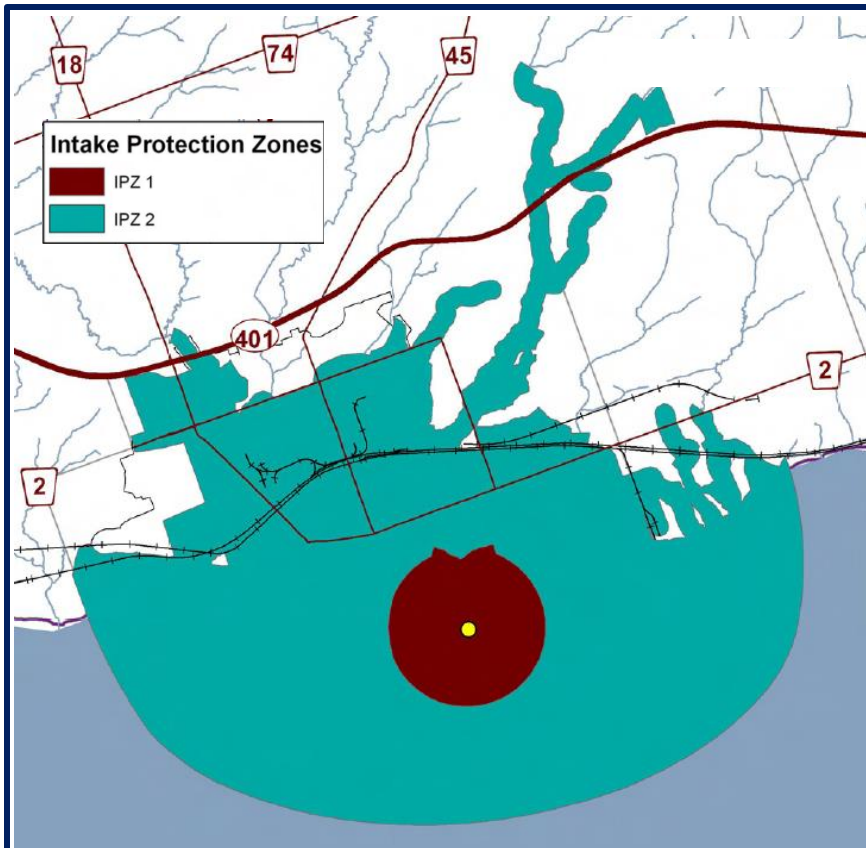


The Cobourg Municipal Drinking Water System is 1 of 53 municipal residential drinking water systems in the Trent Conservation Coalition Source Protection Region, and 1 of 6 such systems in the Ganaraska Region Source Protection Area.

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 Intake Protection Zone 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



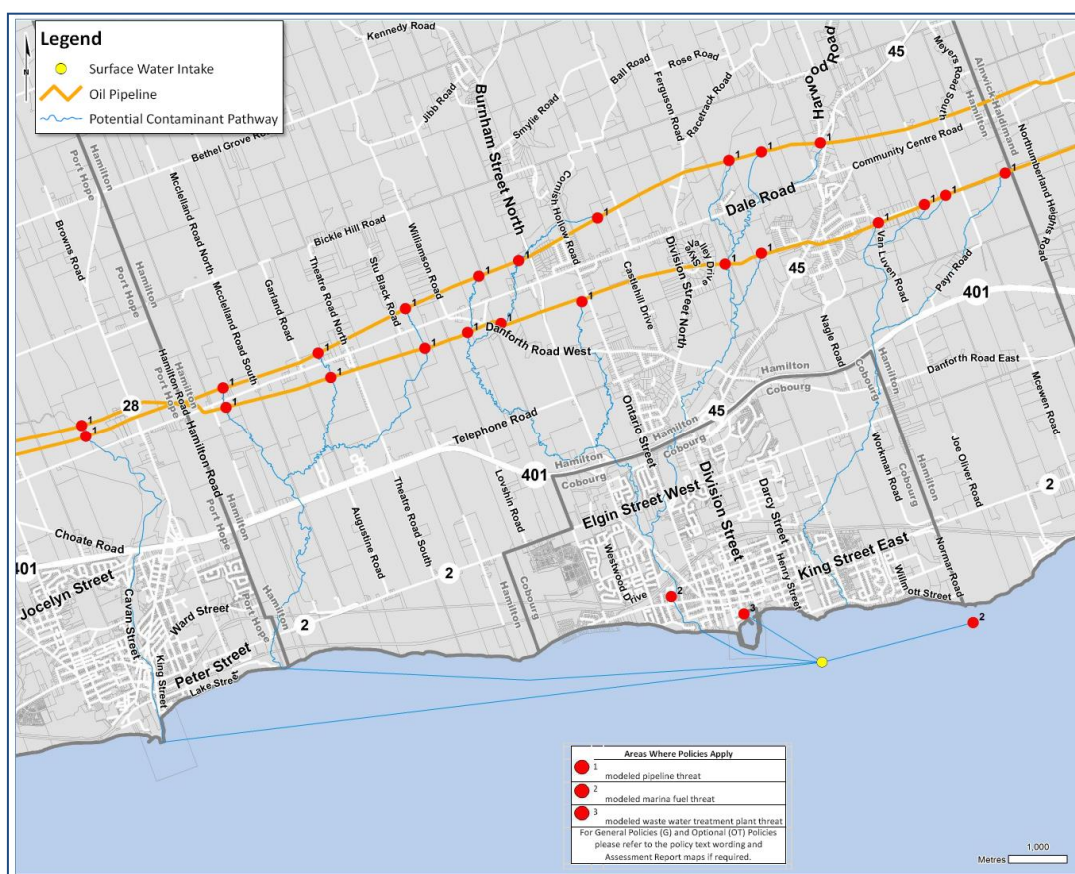
To learn more about these threats visit www.trentsourceprotection.on.ca

Water Source	Surface Water – Lake Ontario
Owned By	Town of Cobourg
Operating Authority	Lakefront Utility Services Inc.
Serviced Population	18,500 (approximately)
Annual Pump Rate	10,258 cubic metres per day (average)
Intake Depth	12 metres (approximate)
Treatment System	In addition to the full conventional treatment process, additional sodium hypochlorite re-chlorination facilities at booster pumping station and 2 elevated storage tanks.

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

The vulnerability scores for the Cobourg Intake Protection Zone are too low to create prescribed significant drinking water threats within the IPZ-1 and IPZ-2 to the Cobourg Municipal Drinking Water System. Significant drinking water threats are only possible when identified through an event based modeling approach.

Within the Cobourg Intake Protection Zone, the current existing significant drinking water threats include the activities of a spill from an oil pipeline that crosses a stream, a spill from marina fuel storage, and a discharge associated with a disinfection failure at the municipal waste water treatment plant. These three threats are mitigated through risk management, emergency preparedness and sound operational practices.



For More Information Contact :

Mark Peacock, P. Eng.
 Director Watershed Services
 Ganaraska Region Conservation Authority
 905-885-8173 x 226
 mpeacock@grca.on.ca

Pam Lancaster, B.Sc.
 Stewardship Technician
 Ganaraska Region Conservation Authority
 905-885-8173 x 247
 plancaster@grca.on.ca

Jennifer Lenno
 Risk Management Inspector
 Town of Cobourg
 905-372-7332
 jleno@cobourg.ca

The Ganaraska Source Protection Plan is available at www.grca.on.ca