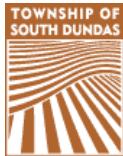


DRINKING WATER SOURCE PROTECTION

DE L'EAU POTABLE À LA SOURCE



MORRISBURG

Drinking Water Source Protection

Ontario's Clean Water Act helps protect drinking water from source to tap by preventing contaminants from entering sources of drinking water like lakes, rivers and aquifers. Scientific studies were completed in 26 communities across our region to determine the local drinking water source. These studies also identify the activities that could adversely impact the quality of the drinking water source. The technical studies can be found in the comprehensive *Assessment Report*.

Morrisburg

The Town of Morrisburg municipal intake is located at the south end of Augusta Street toward the west of the town limits, in the St. Lawrence River. Raw water is drawn from approximately 2.75 m off the river bottom. The normal depth of water over the intake is estimated to be 8 m. The South Dundas Regional Water Treatment Plant is owned by the Township of South Dundas and is operated by Caneau Water and Sewage Operations Inc. This municipal water system services the villages of Morrisburg and Iroquois respectively and provides drinking water to the approximately 3,938 residents of these two communities.



Morrisburg Intake (St. Lawrence River)

This is a summary. For more information on Source Protection in this region, please visit
www.yourdrinkingwater.ca.



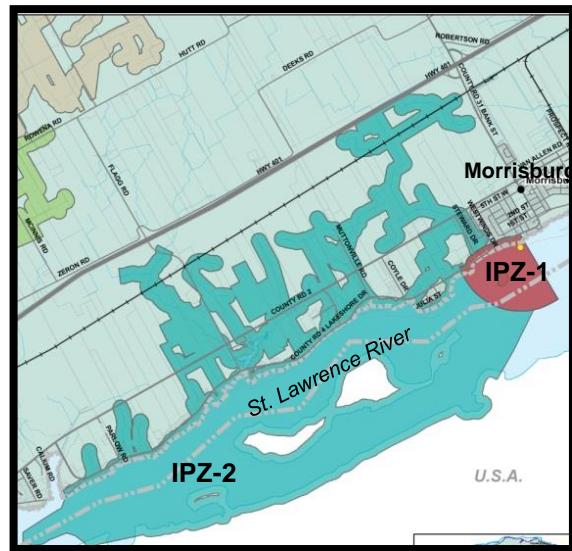
Raisin Region
Conservation Authority
Office de protection de la
nature de la région Raisin



SOUTH NATION
CONSERVATION
DE LA NATION SUD

What is an Intake Protection Zone?

Surface water intakes draw raw water from rivers or lakes to provide drinking water. An Intake Protection Zone (IPZ) is an area of water or land that is located within a specific distance of an intake. Intake protection zones in smaller bodies of water may also include smaller rivers or tributaries.



Morrisburg Intake Protection Zones (IPZs)

IPZ-1: This is the area closest to the intake and is the area of highest concern because contaminants entering this zone can reach the intake quickly with little or no dilution.

IPZ-2: Considered the secondary protection zone, this area is calculated based upon how far water can travel in a two-hour time period. The allocation is determined by viewing flows, wind, and transport pathways.

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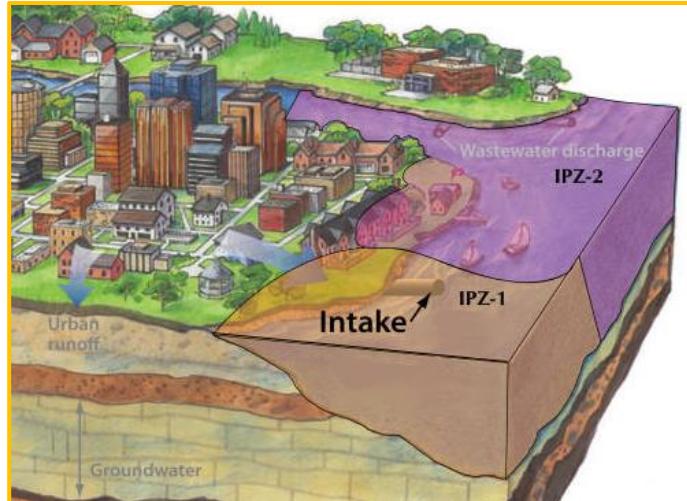


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CONSERVATION
DE LA NATION SUD

Vulnerability Scores

Vulnerability scores are used to indicate how at risk the drinking water source is to contamination. Scores in the Assessment Report are based upon the features of each intake. Characteristics such as the depth of the intake, distance of the intake from land, and the past water quality history affect its vulnerability. The higher the vulnerability score, the higher the level of concern for possible source water contamination, with a score of 10 being the highest score. The following table summarizes the vulnerability scores for each IPZ area.

Vulnerable Area	Vulnerability Score
IPZ-1	8
IPZ-2	7.2



Existing Water Quality

A review of water quality data from regular testing at the Morrisburg intake confirms that there are no current issues that adversely impact the source for drinking water.

Drinking Water Threats

There are certain activities which have been identified by the province as threats to drinking water sources. An activity may be considered a significant threat based on various circumstances: proximity to the well, vulnerability of the IPZ and the nature of the activity.

The following table lists the significant threat activities that pose a risk to the drinking water source in this area.

Drinking Water Threat
Application of Septage
Sewage Works
Agricultural Activities
Chemicals

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www.yourdrinkingwater.ca.