

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER



September 2019

Quinte Source Protection Region - **BACKGROUND**

We need safe, reliable sources of drinking water now and in the future. Our drinking water comes from lakes, rivers and streams or underground sources. Under the *Clean Water Act, 2006*, 19 regions in Ontario have produced local, science-based plans to protect sources of municipal drinking water. This work was funded by the Ontario government.

The Quinte Source Protection Region is based on the jurisdiction of Quinte Conservation. This includes the watersheds of the Moira, Napanee and Salmon Rivers and all of Prince Edward County; an area of over 6,000 square kilometres in eastern Ontario with about 117,000 people.

There are 11 municipal drinking water systems in the Quinte Region that serve half of the population. Seven of these systems are intakes from surface water and four are groundwater systems that have wells drilled into the underlying aquifers. The remaining population obtains water from private wells using groundwater; in some cases surface water from shore wells; or for some cottages, directly from a river or lake.

The Quinte Region Source Protection Plan was developed by a local Source Protection Committee with extensive public input and broad consultation. The Plan was approved in September 2014 and became effective on January 1, 2015.

Visit QuinteSourceWater.ca, to see the Source Protection Plan, policy information maps, helpful fact sheets and more.



Roblin Lake in Prince Edward County is one of 11 sources of municipal drinking water in the Quinte Region.



Protecting sources of municipal drinking water helps to protect public health and ensures safe and adequate supplies for our future.

Quinte Conservation

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QuinteSourceWater.ca



Source Protection Committee Members

The Quinte Region Source Protection Committee worked together with our communities since 2007 to create a straightforward, effective, and fair Source Protection Plan to protect municipal drinking water sources. The Committee monitors policy effectiveness and updates technical documents and the Plan as required.

MEMBER

Max Christie
 Ron Hamilton
 Ernie Margetson
 Pat Culhane
 Ron Hamilton
 Jo-Anne Albert
 Jack Alexander
 Bryon Keene
 Sandy Latchford
 Gary Fox
 Heather Lang
 Terry Kennedy
 Mel Plewes
 Phillip Norton
 Josh Powles
 Gillian Ward
 Nicole Storms
 Curtis Maracle
 Mike Kerby*
 Andrew Landy*
 Mary Wooding*

REPRESENTING

Chairman
 local municipalities
 local municipalities
 local municipalities
 local municipalities
 local municipalities
 business/industry
 business/industry
 business/industry
 agriculture
 agriculture
 environmental associations
 general public
 general public
 general public
 general public
 Mohawks of the Bay of Quinte
 Mohawks of the Bay of Quinte
 Source Protection Authority
 Health Units
 Ministry of the Environment

* non-voting liaison members

Municipal Partners

Within the Quinte Source Protection Region there are three upper tier, three single tier and 15 lower tier municipalities. There are five members of the Source Protection Committee representing local municipalities.

Upper Tier

County of Hastings
 County of Frontenac
 Lennox & Addington County

Single Tier

County of Prince Edward
 City of Belleville
 City of Quinte West

Lower Tier

Township of Stirling/Rawdon
 Municipality of Centre Hastings
 Township of Madoc
 Municipality of Marmora & Lake
 Municipality of Tweed
 Townships of Tudor & Cashel
 Town of Deseronto
 Township of Tyendinaga
 Township of Addington Highlands
 Township of Stone Mills
 Town of Greater Napanee
 Loyalist Township
 Township of North Frontenac
 Township of Central Frontenac
 Township of South Frontenac



TECHNICAL & ADMINISTRATIVE SUPPORT

A provincially-funded source water protection staff team at Quinte Conservation, provide support to the Source Protection Committee.

This project has received funding support from the Government of Ontario. Such support does not indicate endorsement by the Government of Ontario of the contents of this material.



The Source Protection Plan

The Source Protection Committee used science-based information and knowledge provided through technical studies, working groups and the community to develop the plan to protect our municipal drinking water sources.

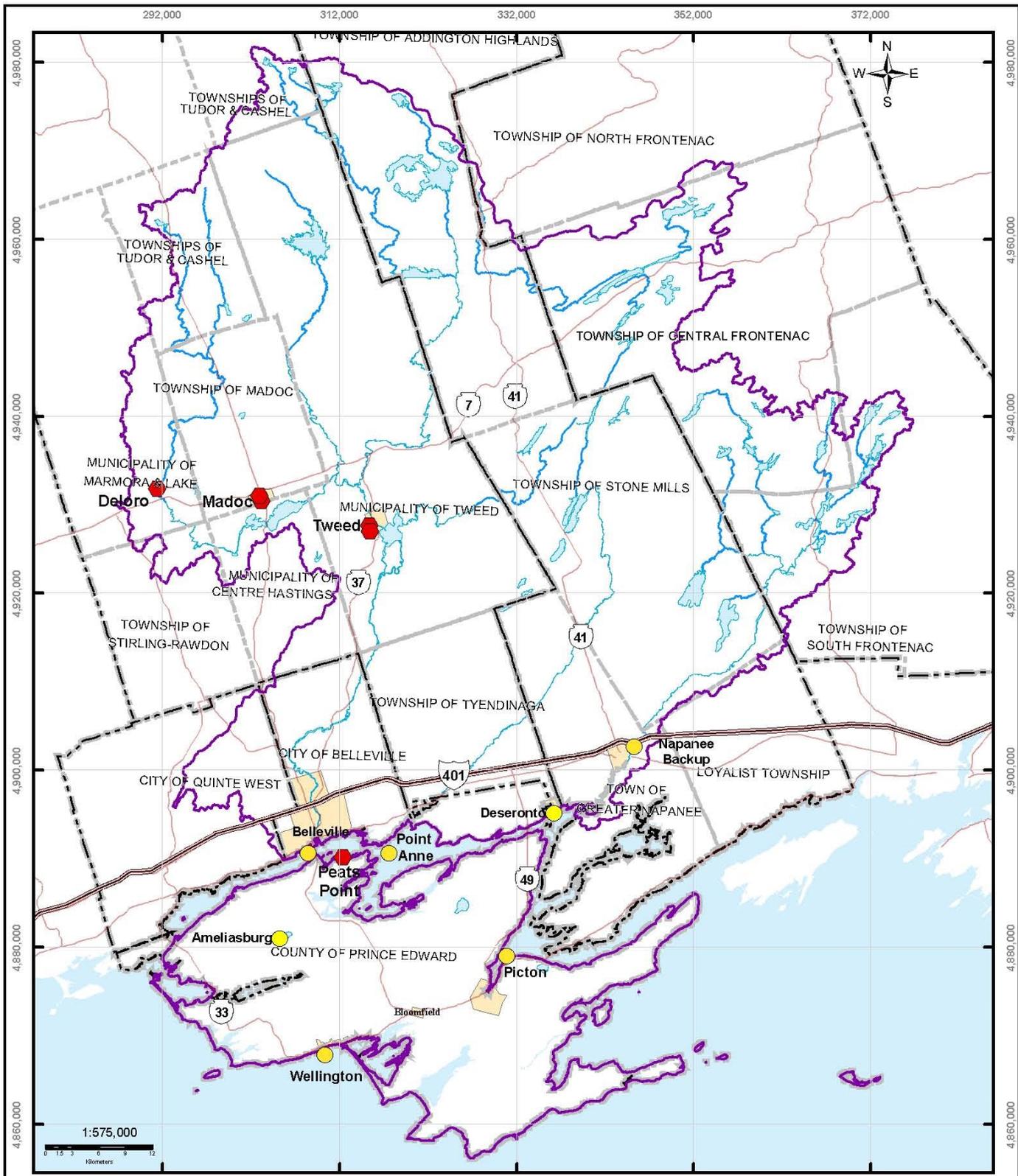
The Approved Source Protection Plan outlines policies to address the threats to municipal drinking water sources that were identified in the Assessment Report. The Plan contains a series of voluntary and mandatory policies that encourage good stewardship, call for additional care or risk reduction measures where necessary, and even prohibits certain activities. Affected landowners were contacted several times during the planning process.

Municipalities responsible for drinking water systems worked with Quinte Conservation to establish the protocols required for successful Source Protection Plan implementation. Tasks include providing related education and outreach, establishing risk management plans, preparing municipal land use planning documents, and communicating with affected landowners. Municipalities, along with other named implementing bodies have been implementing policies since 2015.

Visit QuinteSourceWater.ca for more.

Municipal Drinking Water Systems

Municipality	System Name	Background	Source
City of Belleville	Point Anne Hamlet Water Treatment Plant	This intake provides water to 55 people (22 connections). It is a gravity intake pipe in the Bay of Quinte that supplies an intake well.	Bay of Quinte (surface water intake under the influence of groundwater)
City of Belleville	Gerry O'Connor Water Treatment Plant	40,000 people are served by this plant: 11,500 residential connections, 6,018 apartment dwellings and 400 residential connections in Rossmore and Fenwood Gardens.	Bay of Quinte (surface water intake)
Prince Edward County	Peats Point Subdivision Well Supply	This well, drilled in 2004, serves 19 residential connections in this subdivision in northern Prince Edward County.	1 well (groundwater under the influence of surface water from the Bay of Quinte)
Prince Edward County	Ameliasburgh Hamlet Water Treatment Plant	150 people are served by this system (57 connections).	Roblin Lake (surface water intake)
Prince Edward County	Picton Water Treatment Plant	5,905 people in Picton and 643 people in Bloomfield are served by this plant that was upgraded in 2005. There are two intakes in Picton Bay. The north intake is not currently used.	Picton Bay (surface water intake)
Prince Edward County	Wellington Water Treatment Plant	1,700 people are served by this system.	Lake Ontario (surface water intake)
Municipality of Tweed	Village of Tweed Well Supply	1,800 people are served by two wells, one is for emergency use only.	2 wells (groundwater)
Municipality of Centre Hastings	Village of Madoc Well Supply	The two Village of Madoc wells serve 1,250 people. Well number 3 was drilled in 1955 and Well number 4 was drilled in 2016.	2 wells (groundwater under the influence of surface water from Deer and Madoc Creeks)
Town of Deseronto	Deseronto Water Treatment Plant	1,700 people are served by this plant. Greater Napanee Utilities took over operations in 2003.	Bay of Quinte (surface water intake)
Municipality of Marmora and Lake	Deloro Well Supply	160 people are served by this 29.9 m drilled well equipped with 2 submersible well pumps.	1 well (groundwater)
Town of Greater Napanee (Backup)	A. L. Dafoe Water Treatment Plant	8,500 people are served by this backup system. The primary Napanee intake is in the Cataraqui Source Protection Area.	Napanee River (surface water intake)



Legend

- ◆ Municipal Drinking Water Wells
- Municipal Drinking Water Intakes
- Highway 401
- Highways
- County Boundaries
- Township Boundaries
- Quinte Watershed Region
- Rivers
- Lakes

Drinking Water System Locations



Quinte CONSERVATION

Maple River, Niagara Region and Prince Edward Region Watersheds. RR #2, 260 Old Highway #2, Belleville, Ontario, K8R 4Z2. Produced by Quinte Conservation Inc. © 2010. All rights reserved. No warranty is made by Quinte Conservation Inc. for any use of this map. The map is provided as a service to the public. It is not intended to be used for any other purpose. The map is provided as a service to the public. It is not intended to be used for any other purpose.