

DRINKING WATER SOURCE PROTECTION

Trent Conservation Coalition Source Protection Region

Source Protection Annual Progress Report

I. Introduction

Trent Annual Progress Report outlines progress made in implementing our source protection plan for:

- Kawartha-Haliburton Source Protection Authority;
- Otonabee-Peterborough Source Protection Authority;
- Crowe Valley Source Protection Authority;
- Lower Trent Source Protection Authority.

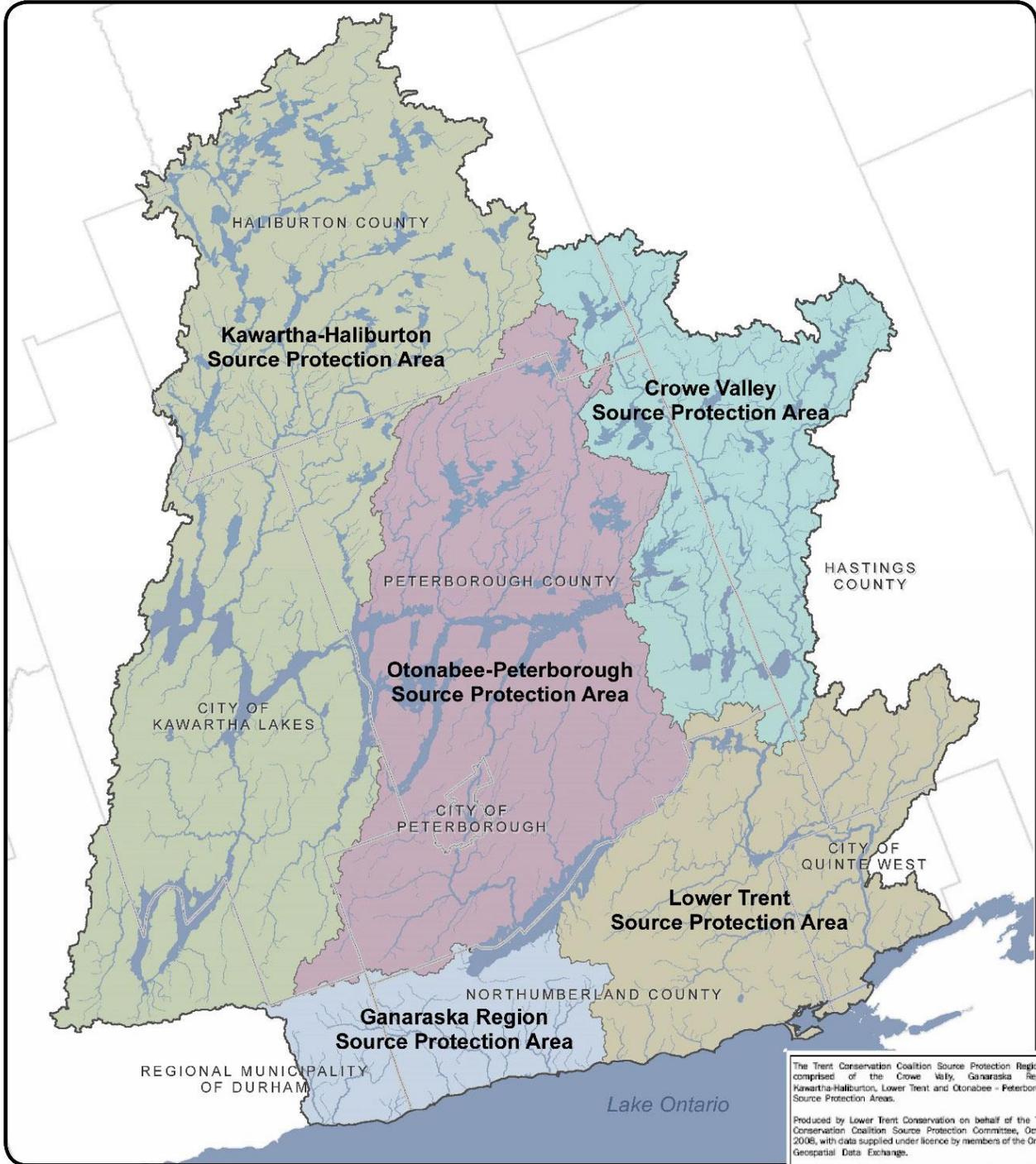
Ganaraska Annual Progress Report outlines progress made in implementing our source protection plan for:

- Ganaraska Region Source Protection Authority.

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER

Trent
Conservation
Coalition Source
Protection Region



The Trent Conservation Coalition Source Protection Region is comprised of the Crowe Valley, Ganaraska Region, Kawartha-Haliburton, Lower Trent and Otonabee - Peterborough Source Protection Areas.

Produced by Lower Trent Conservation on behalf of the Trent Conservation Coalition Source Protection Committee, October 2008, with data supplied under licence by members of the Ontario Geospatial Data Exchange.

This map is for information purposes only and Lower Trent Conservation takes no responsibility for, nor guarantees, the accuracy of the information contained within the map.



Made possible through the support of the Government of Ontario

II. A message from your local Source Protection Committee

- P : Progressing Well/On Target – The majority of the source protection plan policies have been implemented and/or are progressing.**
- S : Satisfactory – Some of the source protection plan policies have been implemented and/or are progressing.
- L : Limited progress – A few of source protection plan policies have been implemented and/or are progressing.

The rationale for the Source Protection Committee (SPC) to select the “progress score” is as follows:

The SPC arrived at this consensus based on a summary of information provided by Source Protection Authorities through the Annual Progress Report templates and a draft Annual Progress Report presented on March 31, 2020 at a TCC Source Protection Committee meeting. The SPC reviewed the sections in the below report, including a review of the scoring proposed by each Source Protection Authority. The SPC then assessed the progress score by applying the criteria above. The committee settled on the progress score of “Progressing well/on target” because implementation of the Trent Source Protection Plan policies are mostly complete across all four SPAs.

III. Our Watershed

To learn more, please read our assessment report(s) and source protection plan(s)

The Trent Conservation Coalition (TCC) Source Protection Region is comprised of five source protection areas, four of which comprise the Trent River Watershed, and one for the Ganaraska Watershed. The Trent Source Protection Plan (SPP) applies to the Trent River Watershed, and the Ganaraska Source Protection Plan covers the latter. This report was prepared based on annual reporting information submitted by implementing bodies within these watersheds.

- Kawartha-Haliburton Source Protection Authority;
 - Otonabee-Peterborough Source Protection Authority;
 - Crowe Valley Source Protection Authority;
 - Lower Trent Source Protection Authority;
 - Ganaraska Region Source Protection Authority.
-
- Population in the TCC: 400,000
 - Area: TCC = 14,500 km²
 - Area: Trent River Watershed= 12,900 km²
 - Number of drinking water systems in the TCC SPR: 53 (includes one planned groundwater system)
 - Number of municipalities in the TCC SPR with residential drinking water systems: 24 (22 lower tier, 5 upper tier)
 - Number of municipalities in the TCC SPR with at least part of a vulnerable area in their jurisdiction: 43 (38 lower tier, 5 upper tier)
 - Number of policies in the Trent Source Protection Plan: 138
 - Number of Issue Contributing Areas in the Trent Source Protection Plan: 1 (Stirling system)
 - Effective date of the Trent Source Protection Plan: January 1, 2015

From Ganaraska:

Part of the Trent Conservation Coalition Source Protection Region

- Area: 930 km²
- Number of Drinking Water Systems in the Ganaraska SPP: 6
- Number of surface water systems in the Ganaraska SPP: 3
- Number of groundwater systems in the Ganaraska SPP: 3
- Population serviced by municipal residential drinking water systems: more than 45,000
- Number of policies in the Ganaraska SPP: 137
- Effective date of the Ganaraska SPP: January 1, 2015

IV. At a Glance: Progress on Source Protection Plan Implementation

1. Source Protection Plan Policies

From Trent Conservation Coalition except Ganaraska:

P : Progressing Well/On Target

All of the policies (100 %) that address significant drinking water threats are implemented, in progress and have been evaluated and determined to require no further action(s).

From Ganaraska:

P : Progressing Well/On Target

All of the policies (100%) in the Ganaraska Source Protection Plan that address significant drinking water threats are implemented, in progress and have been evaluated and determined to require no further action(s).

2. Municipal Progress: Addressing Risks on the Ground

From Trent Conservation Coalition except Ganaraska:

27 municipalities (22 lower tier and 5 upper tier) contain vulnerable areas where Source Protection Plan polices apply.

P: Progressing Well / On Target

Municipalities in our source protection region also are required to take the next step to review and update their Official Plan to ensure it conforms with the local source protection plans the next time they undertake an Official Plan review under the Planning Act.

Municipalities have amended or are in the process of amending their Official Plan to conform with the source protection plans for our region. The completion status of these amendments is Otonabee-Peterborough Source Protection Area = 63%,

Kawartha-Haliburton Source Protection Area = 60%,

Crowe Valley Source Protection Area = 100% and

Lower Trent Source Protection Area = 75% complete.

All municipalities (100%) in our source protection region have processes in place to ensure that their day-to-day planning decisions conform with our source protection plans.

The Plan also includes policies related to Emergency Management. The status of Municipalities updating their Emergency Management Plans to incorporate Source Water is as follows:

Otonabee-Peterborough Source Protection Area = 100%, Kawartha-Haliburton Source Protection Area = 100%, Crowe Valley Source Protection Area = 100% and Lower Trent Source Protection Area = 95%.

Within this category, each Source Protection Authority approved a progress score in the context of their Source Protection Area. All Source Protection Authorities were given a score of P: Progressing Well / On target

From Ganaraska:

Municipalities in our source protection region also are required to take the next step to review and update their Official Plan to ensure it conforms with the local source protection plans the next time they undertake an Official Plan review under the Planning Act. 100% of Municipalities have amended or are in the process of amending their Official Plan to conform with the Source Protection Plan.

All municipalities (100%) in our source protection region have processes in place to ensure that their day-to-day planning decisions conform with our source protection plans.

The Plan also includes policies related to Emergency Management. All municipalities (100%) have ensured updates to Emergency Management Plans are in place, in progress, not Applicable or the policy outcome has been evaluated and no further action required.

3. Septic Inspections

From Trent Conservation Coalition except Ganaraska: P : Progressing Well/On Target

Overall, 99.5% of existing septic threats have been inspected in the first 5 year cycle in accordance with the Ontario Building Code, of which 10% required maintenance, and 90% were functioning as required. For the first cycle, all but one municipality in the Lower Trent Source Protection Area, have completed their mandatory inspections, with 4 inspections still required. The second cycle inspections have begun in the Otonabee-Peterborough and Crowe Valley Source Protection Areas.

From Ganaraska: P : Progressing Well/On Target 100% of on-site sewage systems have been inspected in accordance with the Ontario Building Code. Inspection results found that all (100%) are functioning as designed or carrying out required pump-outs.

4. Risk Management Plans

From Trent Conservation Coalition except Ganaraska: P : Progressing Well/On Target.

Twenty-eight (28) Risk Management Plans have been established for this reporting period. These 28 plans collectively manage a total of 35 significant drinking water threats. Risk Management Officials report an ongoing effort to refine the number of significant drinking water threats based on information gathered from site visits, direct contacts and other means.

The total number of inspections carried out by a Risk Management Official was 23 with 1 follow up visit. The compliance rate with the Risk Management Plans established is 100%.

From Ganaraska: P : Progressing Well/On Target.

One (1) new RMP was established between January 1 and December 31, 2019, which was in relation to agricultural threats on one (1) property.

The remaining three properties with potential need for an RMP around DNAPLs are being investigated.

The total number of inspections carried out by a Risk Management Official / Inspector in 2019 was 2. The compliance rate with the Risk Management Plans was 100%.

5. Provincial Progress: Addressing Risks on the Ground

From Trent Conservation Coalition except Ganaraska: P : Progressing Well/On Target
Ontario ministries are reviewing previously issued provincial approvals (i.e., prescribed instruments, such as environmental compliance approvals under the Environmental Protection Act) where they have been identified as a tool in our plan to address existing activities that pose a significant risk to sources of drinking water. The provincial approvals are being amended or revoked where necessary to conform with plan policies. Our policies set out a timeline of 5 years to complete the review and make any necessary changes. Based on the scale of reporting received by the province, we are unable to determine the exact number of reviews that have occurred within the Otonabee-Peterborough Source Protection Area, Kawartha-Haliburton Source Protection Area, Crowe Valley Source Protection Area and Lower Trent Source Protection Area. For future threats, Ministries reported that 100% of our policies are implemented, with standard operating procedures in place where applications are reviewed to ensure the proposed activities conform to our policies.

For Ganaraska: P : Progressing Well/On Target

For future threats, Ministries reported that 100% of our policies are implemented, with standard operating procedures in place where applications are reviewed to ensure the proposed activities conform to our policies.

6. Source Protection Awareness and Change in Behaviour

From Trent Conservation Coalition except Ganaraska:

Road signage was identified as an effective E & O tool to raise awareness of the Drinking Water Source Protection Program (DWSPP) and the importance of protecting sources of municipal drinking water. Drinking Water Protection Zone signs have been installed in vulnerable areas across the Trent Conservation Source Protection Region. To date, all required Drinking Water Protection Zone signs have been installed in the four Source Protection Authorities, including 246 under the Trent Source Protection Plan.

From Ganaraska: The total number of Drinking Water Protection Zone signs that have been installed on municipal roads in the Ganaraska Region Source Protection Area is 8. No signs were required to be installed on provincial roads.

7. Source Protection Plan Policies: Summary of Delays

From Trent Conservation Coalition except Ganaraska: All policies are implemented, in progress or evaluated as no further action required. See Trent Conservation Coalition's Annual Progress Report as posted on their website for a summary. However, policy implementation challenges are being addressed through our Workplan, and policy wording can always be improved to assist in overall Trent Source Protection Plan implementation.

From Ganaraska: All policies are implemented, in progress or evaluated as no further action required. See Trent Conservation Coalition's Annual Progress Report as posted on their website for a summary.

8. Source Water Quality: Monitoring and Actions

From Trent Conservation Coalition excluding Ganaraska:

Drinking Water System: Stirling

Issue: E. Coli

Observations; No change in concentration

Actions: Municipality is in process of bringing a new less vulnerable well on line in 2020 which will reduce risk of e. coli. RMPs continue to be developed to reduce the amount of e. coli entering Rawdon Creek. Weekly sampling, result conveyed to council and public through Annual Drinking Water Report.

From Ganaraska: In our source protection region/area, no issues have been identified in our local science-based assessment report(s) regarding the quality of the source(s) of municipal drinking water.

9. Science-based Assessment Reports: Work Plans

Water Budget - Technical Rule #30.1 for Stirling-Rawdon a Tier 3 water budget was included in the 2018 Section 36 work plan, however requires MECP support and funding to proceed. Stirling-Rawdon is bringing a new well on-line in 2020.

Additionally, In the fall of 2018, a work plan was submitted to the Ministry, outlining activities proposed to update the Assessment Report and Source Protection Plan. These activities include:

- Updates based on changes to the Director's Technical Rules;
- Changes in scientific information; and,
- Lessons learned from policy implementation.

Work is underway to implement the work plan by 2023.

10. More from the Watershed

<http://trentsourceprotection.on.ca/>

Place photos here