



NOTICE OF MEETING Lower Trent Source Protection Authority

Administration Office, 714 Murray Street, Trenton

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Thursday, April 10, 2025 | Time: 1:45 p.m.

AGENDA

1. Meeting called to order by the Chair

2. First Nation Acknowledgement

3. Disclosure of pecuniary interests

4. Approval of the Agenda

RECOMMENDED:

THAT the agenda be approved as presented.

5. Delegations

There are no requests for delegations received for this meeting.

6. Correspondence

There is no correspondence received for this meeting.

7. Lower Trent Source Protection Authority 2024 Annual Progress Report – Anne Anderson, Lower Trent Source Protection Authority Lead [Page # 3](#)

RECOMMENDED:

THAT the Lower Trent Source Protection Authority Annual Progress Report for the period January 1, 2024 to December 31, 2024 be received as information.

8. 2024 Trent and Ganaraska Source Protection Plans Annual Progress Reports – Keith Taylor, Source Protection Program Coordinator [Page # 13](#)

RECOMMENDED:

THAT the 2024 Trent and Ganaraska Source Protection Plan Annual Progress Reports be received as information; and

THAT staff be authorized to submit the 2024 Trent and Ganaraska Source Protection Plan

Annual Progress Reports to the Ministry of the Environment, Conservation and Parks as required by Section 46 of the Clean Water Act and Section 52 of O. Reg. 287/07, along with any comments received from the Source Protection Committee be approved.

9. Source Protection Committee Chair – Jim Hunt

RECOMMENDED:

THAT the verbal comments from Jim Hunt, Chair TCC Source Protection Committee be accepted as information.

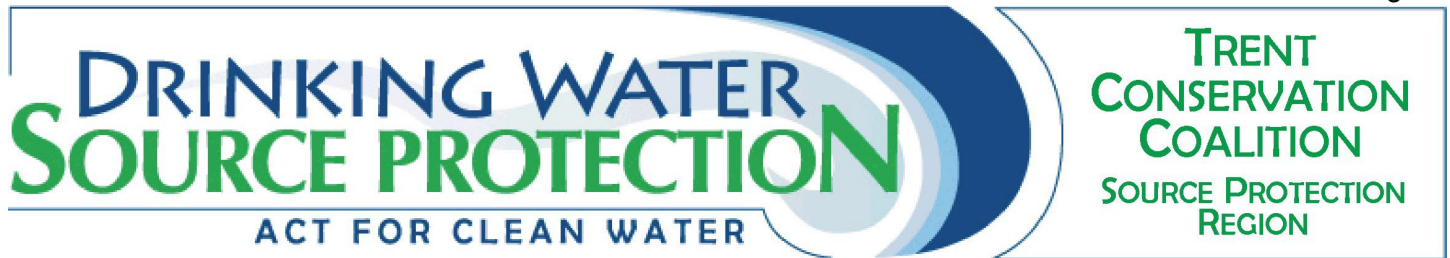
10. Members Inquiries/Other Business

11. Adjournment

PLEASE CONTACT THE OFFICE IF YOU WILL BE UNABLE TO ATTEND THIS MEETING

Chitra Gowda 613-394-3915 ext. #215

chitra.gowda@ltc.on.ca



STAFF REPORT

Date: March 31, 2025
To: Lower Trent Source Protection Authority
Re: Lower Trent Source Protection Authority 2025 Annual Progress Report
Prepared by: Anne Anderson, Manager, Community Outreach and Special Projects

PROPOSED RESOLUTION:

THAT the Lower Trent Source Protection Authority Annual Progress Report for the period January 1, 2024 to December 31, 2024 be received as information.

BACKGROUND:

Section 46 of the *Clean Water Act* and Section 52 of Ontario Regulation 287/07 articulates that the Source Protection Authority must prepare and submit an Annual Progress Report to the Source Protection Committee at least 30 days prior to submitting it to the Ministry of Environment, Conservation and Parks (MECP) by May 1st of each year.

To prepare this annual progress report, information was provided by the various implementing bodies to the Source Protection Authority by the due date of February 1, 2025. This information was consolidated into the attached report and includes commentary on the implementation of policies.

Within the Lower Trent Source Protection Area, overall implementation of the Trent Source Protection plan is "progressing well / on target". Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

The completed Lower Trent Source Protection Authority template was rolled up with the other three Source Protection Authority templates into an Annual Progress Report for the Trent Source Protection Plan and provided to the Source Protection Committee at its meeting on March 27, 2025.

The following is a summary of the progress for the Lower Trent Source Protection Authority for the period between January 1, 2024 and December 31, 2024:

- All municipalities (100%) within the Source Protection Area have established standard operating procedures to ensure that day-to-day planning decisions conform to the Source Protection Plan.
- 78% of municipalities have ensured amendments to Official Plans and Zoning By-Laws conform to the Source Protection Plan. The remainder have plans in place to complete this within the

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TRENT CONSERVATION COALITION SOURCE PROTECTION REGION

Crowe Valley, Ganaraska Region, Kawartha-Haliburton, Lower Trent & Otonabee-Peterborough Source Protection Areas

timeframes specified in the Trent Source Protection Plan.

- 100% of municipalities have ensured updates to Emergency Management Plans are complete.
- In 2024, no septic system threat inspections were completed in the second round of the 5-year cycle for mandatory inspections.
- 5 Risk Management Plans addressing 6 significant drinking water threats were established by Risk Management Officials in the Lower Trent Source Protection Area (total of 56 Risk Management Plans addressing 85 significant drinking water threats since implementation).
- 71- Section 59 Restricted Land Use notices have been issued (total of 408 since January 2015).

Lower Trent Conservation delivers Education and Outreach for all applicable municipalities. In 2024 activities included:

- Advertisements in municipal Community Guides
- 17 social media posts reaching over 9400 people
- Supported the provincial source protection social media campaigns
- Reached ~1000 students, teachers and parents through the Tri-County Children's Water Festival
- Reached ~1300 children through school and community programming.
- Reached over 800 people through presentations and participation at local community events
- As part of a road salt campaign provided "Salt Responsibly" posters to 23 businesses and 7 municipal buildings and held a home road salt workshop

The following table summarized the progress of Provincial Ministries in implementing policies for which they are responsible.

Implementing Body	Policy Implementation Complete (%)	Policy Implementation in Progress (%)	Policy Implementation Not Started (%)
Ministry of Agriculture, Food, and Rural Affairs (OMAFRA)	(100%)		
Ministry of the Environment, Conservation and Parks (MECP)	(100%)		
Ministry of Natural Resources and Forestry (MNRF)	(100%)		
Ministry of Transportation (MTO)	(60%)	(40%)	
Ministry of Municipal Affairs and Housing (MMAH)	(100%)		



Lower Trent Source Protection Authority

2024 Annual Progress Report

(April 2025)

1. Introduction

This annual progress report has been prepared to comply with the *Clean Water Act* and regulations. It outlines the progress made in implementing the Trent Source Protection Plan as it applies to the Lower Trent Source Protection Area. The Lower Trent Source Protection Authority Annual Progress Reporting was rolled up with the other three Source Protection Authority templates into an Annual Progress Report for the Trent Source Protection Plan.

2. Lower Trent Source Protection Area

The Lower Trent Source Protection Area includes the area under the jurisdiction of the Lower Trent Region Conservation Authority (2,070 km²) and area outside of Conservation Authority jurisdiction between the Lower Trent, Otonabee, and Crowe Valley watersheds (28 km²). The Lower Trent Source Protection Area is bordered on the south by Lake Ontario and the Bay of Quinte. Rice Lake forms the northwestern boundary of the region. Several tributary streams including Cold, Rawdon, Salt, Squires (Hoards), Percy, Burnley (Mill), Trout, and Mayhew Creeks empty into the Trent River. Shelter Valley, Barnum House, Lakeport/Colborne and Butler Creeks empty into Lake Ontario while DND and Meyers Creeks empty into the Bay of Quinte.

There are nine municipalities located within or partially within the Lower Trent Source Protection Area. The total population of these municipalities is 112,469 (Statistics Canada, 2021) and more than 87,000 of them are located within the source protection area boundary

Approximately 60% of the source protection area population (67,500 people) in the Lower Trent Source Protection Area obtains their drinking water from 10 municipal residential drinking water systems.

There are six municipal residential surface water supply systems in the source protection area that serve about 36,600 people. These include:

- Bayside
- Campbellford
- Frankford
- Hastings (this is shared with Otonabee-Peterborough Source Protection Area)
- Trenton
- Warkworth



There are four municipal residential groundwater supply systems in the source protection area that obtain their water from groundwater sources. These systems serve about 11,800 people and include:

- Brighton
- Colborne
- Grafton
- Stirling

The Stirling residential drinking water system draws water from a total of four wells that are considered to be groundwater under the direct influence of surface water (GUDI).

The Alderville First Nation, located south of Rice Lake, is the only First Nation in the Lower Trent Source Protection Area. The reserve has a population of approximately 575 and a population density of 50 people/km² with most residents of Alderville First Nation being serviced by private wells.

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

1. Source Protection Plan Policies

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

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.



2. Municipal Progress: Addressing Risks on the Ground

Municipalities and Approval Authorities under the *Planning Act* are the Implementing Body for a 56 policies in the Trent Source Protection Plan.

<i>Compliance Date Summary</i>
5 years Official Plan + 3 years Zoning By-Law

There are 7 lower tier and 2 upper tier municipalities in the Lower Trent Source Protection Area.

All municipalities (100%) within the Source Protection Area have established standard operating procedures to ensure day-to-day planning decisions conform to the Source Protection Plan.

78% of the municipalities have completed amendments to Official Plans and Zoning By-Laws, ensuring that they conform to the Source Protection Plan. The remaining municipalities have their amendments in progress with plans in place to complete the update within the timeframe specified in the Trent SPP.

100% of municipalities have ensured updates to Emergency Management Plans are complete.

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.



3. Septic Inspections

The Trent Source Protection Plan polices for septic systems, rely on the Ontario Building Code requirements. The Ontario Building Code requires that septic system that have been identified as significant threats are subject to a mandatory inspection program. Based on the location of individual septic systems, the responsibility to undertake these inspections may be that of the local Health Unit/department, municipality, or Conservation Authority depending on which body is empowered by the principal authority (municipalities).


<i>Compliance Date Summary</i>		Compliance dates for existing septic inspections (those constructed by the following date) are set by the s. 1.10.2.4 (2)(a)(i)(A) of O. Reg. 315/10: BUILDING CODE to be five years after the date of publishing of the Assessment Report on the Environmental Bill of Rights. The EBR Registry Number is 012-2699 and was posted November 3, 2014 therefore the compliance date for existing septic's is November 3, 2019.
Existing	5 years from notice on EBR (November 3, 2019)	
Future	When the plan takes effect (January 1, 2015)	

As of 2020, a total of 100% percent of existing septic threats were inspected in accordance with OBC, of which 94% passed inspection and are functioning as designed or carrying out the required pump-outs. In 2024, no inspections of septic threats were completed.

Compliance dates for existing threats are set by the s. 1.10.2.4 (2)(a)(i)(A) of [O. Reg. 315/10: BUILDING CODE](#) to be five years after the date of publishing of the Assessment Report on the Environmental Bill of Rights, November 3, 2014 and are required to be re-inspected every five years.

100% of municipalities and/or health units have standard operating procedures to ensure OBC compliance and thus ensure that future septic systems do not become significant threats.

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

4. Risk Management Plans

Risk Management Officials (RMOs) are the Implementing Body for 39 policies in the Trent SPP, and utilize the following tools which were established under Part IV of the Act, to manage threats: Prohibition (s.57); Risk Management Plans (s.58); and, Restricted Land Uses (s.59).

<i>Compliance Date Summary</i>		Existing threats have a 5 year compliance date. Future threat policies are effective when the plan takes effect.
Existing	5 years from plan taking effect (January 1, 2020)	
Future	When the plan takes effect (January 1, 2015)	


The total number of Risk Management Plans (RMPs) established in the Lower Trent Source Protection Area in 2024 was 5 (for a total of 56 since implementation). These 56 plans collectively manage a total of 85 significant drinking water threats.

The total number of inspections carried out by a Risk Management Official / Inspector was 24 (for a total of 118 since implementation). The compliance rate with the risk management plans established is 100%.

RMOs within Lower Trent SPA issued 71 Section 59 notices in 2024 for a total of 407 from the effective date (January 1, 2015). The processes to screen development applications is reported to be working well and some municipalities continue to fine tune their screening processes to improve efficiencies.

The contact details for the Risk Management Officials can found on the Trent Conservation Coalition website Risk Management Official webpage (<http://trentsourceprotection.on.ca/risk-management/contact-your-risk-management-official-inspector>).

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

5. Provincial Progress: Addressing Risks on the Ground

Five provincial ministries reported on progress of 27 policies in our Source Protection Plan.

<i>Compliance Date Summary</i>	
Existing	5 years from plan taking effect (January 1, 2020)
Future	When the plan takes effect (January 1, 2015)

For future threats, Ministries reported that 100% are implemented, with standard operating procedures in place where applications are reviewed to ensure the proposed activities conform to policies. The table below summarizes the progress achieved for policy implementation. The satisfactory grade reflects Source Protection Committee concerns with the sufficiency of reporting.

Implementing Body	Policy Implementation Complete (%)	Policy Implementation in Progress (%)	Policy Implementation Not Started (%)
Ministry of Agriculture, Food, and Agribusiness	(100%)		
Ministry of the Environment, Conservation and Parks	(100%)		
Ministry of Natural Resources	(100%)		
Ministry of Transportation	(60%)	(40%)	
Ministry of Municipal Affairs and Housing		(100%)	

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
✓	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.



6. Source Protection Awareness and Change in Behaviour

Ten (10) policies in each of the Trent SPP recognize the importance of using the education and outreach tool to change behavior to better protect sources of municipal drinking water.

<i>Compliance Date Summary</i>	
Existing / Future	5 years from when plan takes effect (January 1, 2020)


Signage was identified an effective tool for raising awareness of the DWSP program and the importance of protecting sources of municipal drinking water. To date, 98 Drinking Water Protection Zone signs have been installed in the Lower Trent SPA. One new sign was installed in the Township of Cramahe in 2024.

- 4 signs were installed by the Ministry of Transportation along provincial highways in 2016
- 94 signs have been installed by Municipalities on county and municipal roads by 2016

Education and outreach activities included:

- Advertisements in municipal Community Guides
- 17 social media posts reaching over 9400 people
- Supported the provincial source protection social media campaigns
- Reached ~1000 students, teachers and parents through the Tri-County Children's Water Festival
- Reached ~1300 children through school and community programming.
- Reached over 800 people through presentations and participation at local community events
- As part of a road salt campaign provided "Salt Responsibly" posters to 23 businesses and 7 municipal buildings and held a home road salt workshop

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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More from the Watershed

Find out more information about Drinking Water Stewardship and what's happening in the Trent Conservation Coalition Source Protection Region at trentsourceprotection.on.ca including details on:

- The *Clean Water Act*
- The Trent Conservation Coalition Source Protection Region
- The five The Trent Conservation Coalition Source Protection Areas
- Publications and resources e.g. the source protection plans and assessment reports
- Am I affected? / policy mapping tool

To learn more about the Lower Trent Conservation, visit our homepage at <http://www.LTC.on.ca>.





STAFF REPORT

Date: April 10, 2025
To: Lower Trent Source Protection Authority
Re: 2025 Trent and Ganaraska Source Protection Plans Annual Progress Reports
Prepared by: Keith Taylor, Program Coordinator

PROPOSED RESOLUTION:

THAT the 2024 Trent and Ganaraska Source Protection Plan Annual Progress Reports be received as information; and

THAT staff be authorized to submit the 2024 Trent and Ganaraska Source Protection Plan Annual Progress Reports to the Ministry of the Environment, Conservation and Parks as required by Section 46 of the Clean Water Act and Section 52 of O. Reg. 287/07, along with any comments received from the Source Protection Committee be approved.

BACKGROUND:

All significant threat policies in the Source Protection Plan have a companion monitoring policy that requires the person or body responsible for implementing the threat policies to report every February 1st, on the progress made during the previous calendar year.

Lower Trent staff receive these reports from all five of the Trent Conservation Coalition Source Protection Areas and roll them up into two Annual Reports. One report for the Trent Source Protection Plan and one for the Ganaraska Source Protection Plan (see attached Annual Reports).

DISCUSSION:

The results of these reports were presented to the Source Protection Committee on March 27, 2025, to allow the Committee to assign a level of progress to the reports. By consensus, the Committee determined that for both reports, the program scored a "Progressing well / on target" rating and the Committee approved the information provided in the Annual Reports.

The Municipality of Minden Hills is still out of compliance with their required risk management plans. This will be noted in the Annual Report submission, but the Committee also received an update that Minden Hills has now hired a consultant to carry out the required risk management plan negotiations and significant progress has been made in 2025.

Another issue identified in the Annual Report was the lack of sufficient reporting from the Ministry of the Environment, Conservation and Parks related to their managing of significant threats through Prescribed

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Instruments. Their reporting provides information about their processes but very few details about the actual activities carried out to manage threats. As a result, the Committee chose to change the Ministry's score from "Progressing Well/On Target" to "Satisfactory" with a note that the Ministry of the Environment, Conservation and Parks' commitment to improve their reporting will help to upgrade this score in the future. To date, three other committees across the province have also given the Ministry a score of Satisfactory instead on Progressing Well/On Target.

The next step in the process is to seek approval from the Lead Source Protection Authority (the Lower Trent Source Protection Authority) to submit the 2024 Trent and Ganaraska Source Protection Plans Annual Progress Reports to the Ministry of the Environment, Conservation and Parks, as required by Section 46 of the Clean Water Act, along with any comments received from the Source Protection Committee. No comments have been received from the Source Protection Committee this year.

2024 Annual Progress Report

Trent Source Protection Plan

Prepared by:

Trent Conservation Coalition Source Protection Region



MESSAGE FROM THE CHAIR OF THE TRENT CONSERVATION COALITION SOURCE PROTECTION COMMITTEE

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On behalf of the Trent Conversation Coalition Source Protection Committee, it is my pleasure to introduce the 2024 Annual Progress Report on the implementation of the Trent and Ganaraska Source Protection Plans. These reports reflect the results of the required reporting that implementers, of the Source Protection Plan Policies, must submit each year. This exercise allows our Source Protection Committee to determine if the policies are effective and being implemented as intended, to protect sources of municipal drinking water.

Throughout 2024, the Ministry of the Environment, Conservation and Parks has been considering several amendments to our Source Protection Plans, proposed by our committee, to address changes to the Technical Rules that guide the Source Protection Program and to improve the effectiveness of some policies, where issues have been identified. Our staff has been working with the Ministry throughout 2024, to fine tune our proposed amendments and we are looking forward to having them approved early in 2025.

As always, our main objective is to protect sources of municipal drinking water, which was identified as the first barrier in a multi-barrier approach to safer drinking water by the Walkerton Commission. Our Assessment Reports and Source Protection Plans are science based, and as new science emerges our staff and committee will adapt to any changes that can further enhance our efforts.

(Continued on next page)

MESSAGE FROM THE CHAIR OF THE TRENT CONSERVATION COALITION SOURCE PROTECTION COMMITTEE

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The knowledge we have gained can also be applied to other uses, such as providing education and outreach to those Ontarians who get their drinking water from private wells or intakes. In our region this represents about 50% of the people. I am so encouraged that our Source Protection Region staff has been partnering with our neighbouring regions in Eastern Ontario to present webinars that are designed to help people on private systems. These webinars include topics such as, “Well Care” and “Septic System Care” and are available on our website. <https://trentsourceprotection.on.ca/resources/media>

I would like to thank the Risk Management Officials, the municipalities and the provincial ministries that provided information regarding their implementation of Source Protection Plan policies. It always reminds me of how complex and important the work they do is, in order to provide the cleanest and safest sources of drinking water.

Each year, as we prepare these Annual Reports, there is an undeniable sense of pride reflected in the staff and the Source Protection Committee. I encourage you to read this progress report, in the hope that you will gain an understanding of the magnitude and importance of the work we do each year.

- Jim Hunt, Chair of the Trent Conservation Coalition Source Protection Committee.

The Trent Conservation Coalition Source Protection Region's Annual Progress Report for the Trent Source Protection Plan (SPP) provides a status update of implementation since the SPP came into effect on January 1st, 2015 through to December 31st, 2024.

This report is produced by the Trent Conservation Coalition (TCC) for:

- Residents and businesses within the watershed
- Trent Conservation Coalition Source Protection Committee (SPC), and
- Municipalities and other local stakeholders.

A separate Annual Progress Report for the Ganaraska Source Protection Plan is also available.

The format of this report is based on broad categories, identified by the Ministry of the Environment, Conservation and Parks (MECP), to facilitate legislative reporting and tracking of progress made towards the implementation of the Trent Source Protection Plan, and other source protection plans across the province.

1.1 CLEAN WATER ACT, 2006

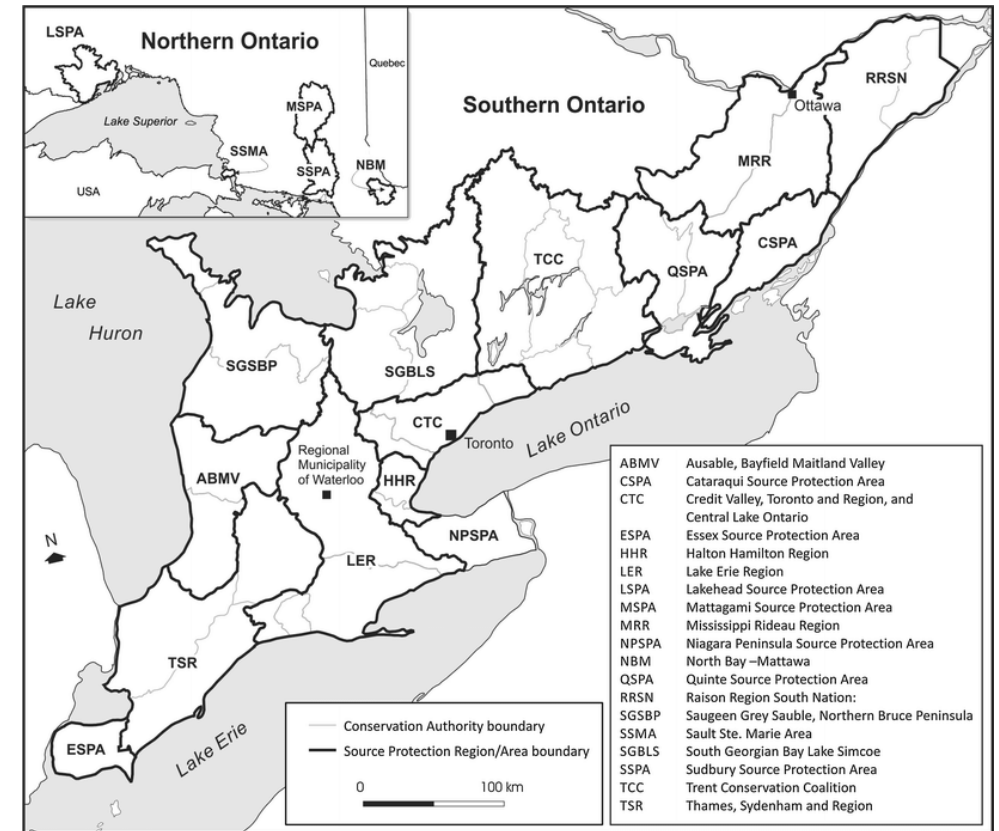
In response to the *Report of the Walkerton Inquiry (The Honourable Dennis R. O'Connor, 2002)* and its recommendation for a multi-barrier approach to providing safe drinking water, the Ontario government passed the *Clean Water Act, 2006* (the Act). The purpose of the Act is to protect sources of municipal drinking water through collaborative, watershed-based source protection plans that are locally developed and based on science.



1.2 SOURCE PROTECTION PROGRAM

The *Clean Water Act* led to the creation of the Drinking Water Source Protection (DWSP) program, which established 19 source protection regions and 38 source protection areas in Ontario. The DWSP program protects current and future municipal residential drinking water sources from contamination and overuse by developing collaborative watershed-based source protection plans. A source protection plan is the first barrier in a multi-barrier approach.

The Trent Source Protection Plan includes mandatory and strategic policies that have been developed by the Trent Conservation Coalition Source Protection Committee in consultation with provincial ministries, municipalities, businesses, landowners and other stakeholders. The plan identifies the party that is responsible for implementing a policy (implementing bodies). The implementing bodies are required by the *Clean Water Act* and its regulations to report on the implementation progress of policies in the Plan.



The Trent Conservation Coalition Source Protection Region

The Trent Conservation Coalition (TCC) Source Protection Region is comprised of five source protection areas. The Trent Source Protection Plan (SPP) applies to the source protection areas, identified below, that are within the Trent River Watershed. The Ganaraska Source Protection Plan is a separate plan for the Ganaraska Source Protection Area. This report was prepared based on annual reporting information submitted by implementing bodies for the Trent Source Protection Plan.

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

1.3 OUR WATERSHED

TCC Source Protection Region Quick Facts:

- Population in the TCC: 400,000 (including Ganaraska)
- 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 surface water systems in the TCC SPR: 18
- Number of groundwater systems in the TCC SPR: 35 (includes one planned system)
- Population serviced by municipal residential drinking water systems in the Trent River Watershed: more than 150,000
- Number of municipalities in the TCC SPR with residential drinking water systems: 27 (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



Otonabee-Peterborough Source Protection Area

- The Otonabee-Peterborough Source Protection Area (O-P SPA) has an approximate population of 147,446 and includes portions of twelve (12) municipalities and three (3) First Nations Reserves. It covers approximately 3,365 km² and is comprised of the Otonabee Region Watershed (1,915 km²) and areas to the north (1,365 km²) which include portions of Haliburton and Peterborough Counties.
- Approximately 62% of the population, or 91,508 people, obtain drinking water from eleven (11) municipal residential drinking water systems in the O-P SPA. Three (3) municipal drinking water systems, Lakefield, Peterborough and Hastings, draw from surface water sources (the latter extends into the Municipality of Trent Hills in the Lower Trent Source Protection Area). Eight (8) residential drinking water systems draw on groundwater to serve approximately 3% of the population, or 4,929 people, in the communities of Alpine Village/Pirates Glen, Birch Point Estates, Buckhorn Lake Estates, Crystal Springs Subdivision, Keene Heights Subdivision, Millbrook, Norwood, and Pinewood.
- There are two (2) populated First Nation Reserves in the O-P SPA, Curve Lake and Hiawatha, with a combined population of approximately 1,543 that is primarily served by private wells.



Kawartha-Haliburton Source Protection Area

- The Kawartha-Haliburton Source Protection Area (K-H SPA) is comprised of watersheds that represent the jurisdiction of Kawartha Conservation, and an additional watershed area to the North primarily within Haliburton County.
- The K-H SPA covers an area of 5,406 km² and is located within the southcentral region of Ontario, fringing on the Greater Toronto Area to the south and Algonquin Park to the north. There are 11 municipalities within or partially within the Source Protection Area. Approximately 45% of the population, or 38,050 people, obtain their drinking water from 22 municipal residential drinking water systems in the K-H SPA.
- There are six existing municipal residential drinking water systems in the source protection area that obtain their water from surface water sources. These systems serve about 22,350 people in the communities of Bobcaygeon, Fenelon Falls, Kinmount, Lindsay, Norland and Southview Estates.
- There are 16 existing municipal residential drinking water systems in the source protection area that obtain their water from groundwater sources. These systems serve about 15,700 people in the communities of Blackstock, Canadiana Shores, Greenbank, Janetville, Kings Bay, Lutterworth Pines, Manorview, Mariposa Estates, Minden, Pleasant Point, Port Perry, Sonya, Victoria Glen, Victoria Place, Woodfield, and Woods of Manilla.
- The Mississaugas of Scugog Island First Nation is located within the Source Protection Area.



Crowe Valley Source Protection Area

- The Crowe Valley Source Protection Area covers an area of approximately 2,006 km² and includes the entire Crowe River watershed. There are 10 municipalities located within or partially within the Crowe Valley Source Protection Area. The total population of these municipalities is 46,074 (Statistics Canada, 2021), and about 12,446 of them are located within the source protection area boundary.
- Drinking water systems in the Crowe Valley Source Protection Area include municipal and non-municipal systems of various sizes that draw raw water from both groundwater and surface water sources.
- About 35% of the population in the Crowe Valley Source Protection Area (approximately 3,700 people) obtains their drinking water from four municipal residential drinking water systems.
- There is one existing municipal residential surface water supply system in the source protection area that obtains water from a surface water source. This system serves about 1,300 people in the community of Marmora.
- There are three existing municipal residential groundwater supply systems in the source protection area that obtain their water from groundwater sources. These systems serve about 2,400 people.



Lower Trent Source Protection Area

- The Lower Trent Source Protection Area includes the area under the jurisdiction of the Lower Trent Region Conservation Authority (2070 km²) and the area outside of Conservation Authority jurisdiction between the Lower Trent, Otonabee, and Crowe Valley watersheds (45 km²). The Lower Trent Source Protection Area is bordered on the south by Lake Ontario and the Bay of Quinte. Rice Lake forms the northwestern boundary of the region. There are nine municipalities located within or partially within the Lower Trent Source Protection Area. The total population of these municipalities is 112,469 (Statistics Canada, 2021) and more than 88,000 of them are located within the source protection area boundary.
- About 60% of the source protection area population (over 48,400 people) in the Lower Trent Source Protection Area obtains their drinking water from 10 municipal residential drinking water systems.
- There are six existing municipal residential surface water supply systems in the source protection area that serve about 36,600 people in the communities of Bayside, Campbellford, Frankford, Hastings, Trenton and Warkworth.
- There are four existing municipal residential groundwater supply systems in the source protection area that obtain their water from groundwater sources. These systems serve about 11,800 people in the communities of Brighton, Colborne, Grafton and Stirling.
- The Alderville First Nation, located south of Rice Lake, is the only First Nation in the Lower Trent Source Protection Area. The reserve has a population of approximately 575 and a population density of 50 people/km² with most residents of Alderville First Nation being serviced by private wells.



LOWER TRENT
CONSERVATION

1.3 OUR WATERSHED

LOCATION OF MUNICIPAL WELLS AND INTAKES SUBJECT TO *THE CLEAN WATER ACT*



2. A MESSAGE FROM YOUR SOURCE PROTECTION COMMITTEE

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

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 draft Annual Progress Report presented on March 27, 2025 at a TCC Source Protection Committee meeting. The SPC reviewed each section, 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.

2.1 METHOD OF EVALUATION

Implementation of the Trent Source Protection Plan is an important element of a multi-barrier approach to protecting municipal residential drinking water sources. To evaluate implementation effectiveness, a monitoring component is included for each policy. The Ministry of the Environment, Conservation and Parks (MECP) has identified a reporting process for the monitoring component that includes the preparation of an Annual Progress Report. In order to report on implementation progress to the MECP, the implementing bodies submit information on their progress through use of a standardized template to the Source Protection Authorities and the Region. This information is then used to develop this Annual Progress Report.

3.1 SOURCE PROTECTION PLAN POLICIES

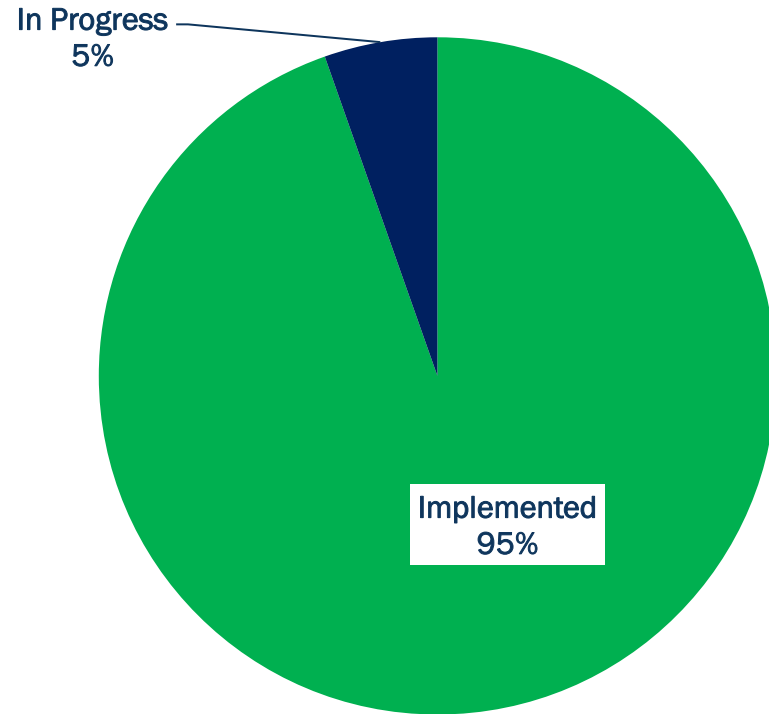
Across the Trent Conservation Coalition Source Protection Region, all policies that address significant drinking water threats are implemented, in progress or have been evaluated and determined to require no further action(s).

The percentage of policy progress across the Trent Source Protection Plan was determined through the following information:

Source Protection Area	Percent Policies Implemented, In progress or evaluated as no further action required	Progress Score Assigned by SPA
Otonabee-Peterborough	100%	P: Progressing well / on target
Kawartha-Haliburton	100%	P: Progressing well / on target
Crowe Valley	100%	P: Progressing well / on target
Lower Trent	100%	P: Progressing well / on target

Our overall progress score across the Trent Source Protection Plan on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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Municipal Policy Implementation Status *

- Implemented: 94.6% (754)
- In Progress: 5.4% (43)
- No Progress Made: 0%

*(Including Ganaraska, and only applicable policies)

3.2 MUNICIPAL PROGRESS – ADDRESSING RISKS ON THE GROUND

Municipalities and approval authorities under the *Planning Act* are the Implementing Bodies for 56 policies in the Trent Source Protection Plan. The jurisdictions of 43 municipalities lies within the Trent Conservation Coalition Source Protection Region, however of those, 27 municipalities (22 lower tier and 5 upper tier) contain vulnerable areas where Source Protection Plan policies apply.

For the Trent Source Protection Plan, a summary of key information and progress scores is as follows:

Source Protection Area	% Official Plan Policies Implemented	% Zoning By-Law Policies Implemented	% Emergency Management Policies Implemented	Progress Score assigned by SPA
Otonabee-Peterborough	100% (8/8)	86% (6/7)	100%	P: Progressing well / on target
Kawartha-Haliburton	83% (5/6)	75% (3/4)	100%	P: Progressing well / on target
Crowe Valley	100% (4/4)	100% (4/4)	100%	P: Progressing well / on target
Lower Trent	71% (5/7)	67% (4/6)	100%	P: Progressing well / on target

Note: All municipalities who have not fully implemented are reported as being “in progress”, including waiting on council approval for updates. Zero (0) municipalities report they have not started.

3.2 MUNICIPAL PROGRESS – ADDRESSING RISKS ON THE GROUND

Under the category “% Official Plan and Zoning By-Law Policies Implemented” all municipalities are in process of implementing. The majority of municipalities have amended their Official Plans or are waiting for municipal council approval of these amendments. All municipalities have implemented source protection into their Emergency Management Plans.

Our overall progress score on achieving source protection plan objectives in this reporting period is as follows:



P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

While outside the scope of the *Clean Water Act*, The Ontario Building Code (OBC) requires that septic system threats be subject to a mandatory inspection program. Based on the location of individual septic systems, the responsibility to undertake these inspections may be that of the local Health Unit/department, municipality, or Conservation Authority depending on which body is empowered as the principal authority (municipalities).

Compliance Date Summary	
Existing	5 years from notice on EBR (November 3, 2019)
Future	When the plan takes effect (January 1, 2015)

Compliance dates for existing sewage system inspections (those constructed by the following date) are set by the s. 1.10.2.4 (2)(a)(i)(A) of O. Reg. 315/10: BUILDING CODE to be five years after the date of publishing of the Assessment Report on the Environmental Bill of Rights. Or, five years after the construction of the sewage system, in the case of a sewage system constructed on or after the date of publication. The EBR Registry Number is 012-2699 and was posted November 3rd, 2014 therefore the compliance date for most existing sewage systems is November 3rd, 2019, and every five years after.



3.3 SEPTIC INSPECTIONS

The progress of septic inspections for the Trent Source Protection Authorities is as follows:


SPA (Compliance period)	Inspection Agency(ies)	# Systems Requiring Inspection (for 5 year compliance period)	# Inspections (this reporting period)	# Requiring Maintenance	# and (% Complete)
Otonabee-Peterborough	Municipal Building/Septic Inspectors and Peterborough Public Health	193	14	3 (21%)	189 (98%)
Kawartha-Haliburton	Municipal Building Inspectors	365	52	2 (4%)	355 (97%)
Crowe Valley	Municipal Building Inspectors and Peterborough Public Health (Havelock)	45	2	0 (0%)	16 (36%)
Lower Trent	Municipal Building Officials and Septic Inspectors	156	0	0 (0%)	119 (76%)

For Kawartha-Haliburton, Crowe Valley and Lower Trent, 2024 marked year 4 of their 5-year cycle for inspections. It should be noted that overall, 100% of existing septic threats were inspected in accordance with the previous 5-year compliance period from the Ontario Building Code. Of the inspections completed in 2023, 5% required maintenance, mostly minor, and 95% function as required. Due to the shifting five year cycles of sewage system reporting there are varied levels of completion among the Source Protection Areas.

For Otonabee-Peterborough, 2024 is year 1 of their third 5-year cycle. Otonabee-Peterborough achieved 90% compliance for the previous period.

Source Protection Area	Standard Operating Procedures in place for future threats?
Otonabee-Peterborough	100%
Kawartha-Haliburton	100%
Crowe Valley	100%
Lower Trent	100%

All municipalities and/or health units have standard operating procedures to ensure OBC compliance and thus ensure that future septic systems do not become significant threats.



P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

Risk Management Officials (RMOs) are the Implementing Body for 39 policies in the Trent Source Protection Plan, and utilize the following tools which were established under Part IV of the Act, to manage threats: Prohibition (s.57); Risk Management Plans (s.58); and, Restricted Land Uses (s.59).

Compliance Date Summary	
Existing	8 years from plan taking effect (January 1, 2023)
Future	When the plan takes effect (January 1, 2015)

Existing threats have a 5-year compliance date. Future threat policies are effective when the plan takes effect. In 2020, the MECP approved an extension of 2 years due to COVID-19 and other delays.

3.4 RISK MANAGEMENT PLANS

Source Protection Area	# RMP's Established in Reporting Period	# Significant Threats Managed	# of Threats remaining to be managed	# Inspections
Otonabee-Peterborough	0	0	2	3
Kawartha-Haliburton	0	0	9	67
Crowe Valley	0	0	0	0
Lower Trent	5	6	0	24

Five (5) Risk Management Plans have been established for this reporting period. These 5 plans collectively manage a total of 6 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 number of threats remaining has been revised to not include septic threats, and as a result as reduced to 11 (8 Fuel, 3 DNAPL).

The 2 threats remaining in the Otonabee-Peterborough Source Protection Area are not out of compliance.

The 9 threats remaining to be managed in the Kawartha-Haliburton Source Protection Area are in Township of Minden Hills. The Township Minden Hills is out of compliance, having not completed any risk management plans. In 2024, they hired a consultant to negotiate the necessary risk management plans, but no progress was made.

The total number of inspections carried out by a Risk Management Official was 94. The compliance rate with the Risk Management Plans established is 100%.

A total of 97 Section 59 notices were issued for this reporting period. The processes to screen development applications is reported to be working and some municipalities continue to fine tune their screening processes to improve efficiencies.

The contact details for the Risk Management Officials can found on the Trent Conservation Coalition website:

<http://trentsourceprotection.on.ca/risk-management/contact-your-risk-management-official-inspector>.



P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan. The exception is the implementation of Risk Management Plans in the Township of Minden Hills.



3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

Five provincial ministries reported on progress of 27 policies in our Source Protection Plan.

The ministries listed below have implemented 93% of the TCC policies. The remaining 7% are reported to be in progress. The table below summarizes the progress achieved for policy implementation as reported by each ministry:

Implementing Body	Policy Implementation Complete (%)	Policy Implementation in Progress (%)	Policy Implementation Not Started (%)
Ministry of Agriculture, Food, and Agribusiness(OMAFA)	(100%)		
Ministry of the Environment, Conservation and Parks (MECP)	(100%)		
Ministry of Natural Resources and Forestry (MNRF)	(100%)		
Ministry of Transportation (MTO)	(60%)	(40%)	
Ministry of Municipal Affairs and Housing (MMAH)		(100%)	

For existing threats, 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 the Trent Source Protection 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 the Trent Source Protection Plan policies. Our policies set out a timeline of 5 years to complete the review and make any necessary changes.

The Ministry of the Environment, Conservation and Parks reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Waste disposal sites – landfilling and storage
- Sewage Works/Wastewater
- Municipal Drinking Water Licences & Drinking Water Works Permits

The Ontario Ministry of Agriculture, Food and Rural Affairs reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Nutrient Management Strategies (NMS)
- Non-Agricultural Source Material (NASM) Plans

(continued on next page)

3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

The Ministry of Transportation reports that a process is in place to ensure Prescribed Instrument holders comply with the terms and conditions of their Prescribed Instrument.

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

There is a problem with the reporting from the MECP. Staff have determined that while these Prescribed Instrument reviews are 100% complete, the information provided from the reporting has not been sufficient. The MECP reporting lacks details and specifics beneficial to understanding issues regarding our drinking water systems and potential threats.

Examples include:

- MECP's Agricultural Source Material and Non-Agricultural Source Material Inspections – reporting an issue of non-compliance, without providing details about the non-compliance or where it occurred.
- MECP's Sewage Prescribed Instrument reporting – Stating that a Standard Operating Procedure is in place, but no “description of the conditions of the Prescribed Instrument” as set out in our monitoring policy.
- There are repetitive generic responses
- When reporting on future Prescribed Instrument the MECP provided details about inspection, which doesn't answer the question.

Our progress score on achieving source protection plan objectives in this reporting period is as follows:



S: Satisfactory: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan. The MECP's commitment to improve their reporting will help to upgrade this score in the future.

3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Ten (10) policies in the Trent Source Protection Plan utilize the education and outreach (E & O) tool to influence behavior and encourage the voluntary adoption of practices to better protect sources of municipal drinking water.

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 255 under the Trent Source Protection Plan.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Regionally, the threat from Road Salt continues to be key focus for E & O this year with the continuation of the Salt Responsibly campaign. This included stickers to be placed on road salt boxes; and a pilot project placing posters at stores selling de-icing salts. Education and outreach efforts were also involved in spreading the news of our upcoming Section 36 Amendment, as well as raising awareness for the new Best Practices for non-municipal drinking water systems.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Fuel threats, and specifically fuel oil tanks were again a key focus of education and outreach this reporting period. This included information products related to fuel storage and handling, and information provided to local fuel suppliers. Social media posts related to fuel threats were also used in 2024 to remind residents of their potential to impact drinking water sources. Social media posts were also used to communicate changes and solicit comments related to fuel policies as a result of the proposed Section 36 Amendments to the Trent Source Protection Plan.

Education and outreach activities were integrated into Risk Management Official activities and included best management practices as risk management measures in risk management plans. Specific activities related to fuel threats included the installation of fuel tank stickers and fill pipe tags identifying that the location is in a Vulnerable Area and providing provincial Spills Action Centre contact number.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

The Best Practices initiative has been using the science and knowledge acquired from the Source Protection Program to provide owners of private drinking water systems such as wells and intakes with information about how to protect their sources of drinking water.

Six free webinars were conducted in 2024 in partnership with our neighbouring Source Protection Regions to provide helpful information for the public, reaching over 800 views online. Topics included:

- Harmful Algal Blooms
- Drinking Water Testing and Treatment
- Rural Source Water and Human Health
- Realty and Rural Source Water
- Groundwater 101
- Climate Change Impacts on Drinking Water & Boil Water Advisories

Staff has been involved in several provincial groups, working with Conservation Ontario to improve resources to enhance the Source Protection Program and provide increased awareness through the production of guidance documents and resources that can be used across the province.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Otonabee-Peterborough Source Protection Authority

Ongoing Education and Outreach efforts are primarily targeted to those undertaking activities that are, or would be significant drinking water threats. Through agreements between the Conservation Authority and eight municipalities, information related to significant drinking water threats and the Drinking Water Source Protection Program are made available at office location, websites and on social media platforms.

Information related to specific drinking water threats such as Road Salt, Snow Storage, DNAPLs and Organic Solvents, Fuel, Sewage, and Pesticides was communicated through social media posts throughout the year. Messages related to water quality, water quantity, stormwater, sewage, road salt and other threats were integrated into presentations, educational activities and displays delivered virtually and in person. This information was shared at various events including the East Central Farm Show, Peterborough Children's Water Festival, Celebrate Havelock, and Millbrook Street Festival.

Information products including brochures and factsheets are made publicly available electronically, and in hard copy and used to support ongoing education and outreach efforts. These products include information related to threats, and activities such as buying or selling property.

3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Otonabee-Peterborough Source Protection Authority - continued

Throughout 2024, existing information materials and website content was updated to ensure it remains current, relevant and AODA compliant.

The Risk Management Office also regularly provides information and access to online resources including systems summaries with maps, local municipal waste disposal sites and services in their communications with stakeholders. Other activities included seasonal social media campaigns and distribution of information to affected landowners and tenants in vulnerable areas to help them better understand how to protect municipal sources of drinking water.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Kawartha-Haliburton Source Protection Authority

Education and Outreach efforts in 2023 included:

- Attendance at the International Plowing Match in Lindsay, ON. Attendance at the East Central Farm Show and the Country Living Show. RMO and Conservation Authority staff attended these events to share information on the SWP program and stewardships initiatives. The vulnerable area posters and road sign were a great draw for people to the booth.
- Direct mailouts to landowners impacted by the S.36 Amendments.
- Municipalities and Kawartha Conservation staff continue to share both CO and Kawartha Conservation's custom made education and outreach materials throughout the year.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Crowe Valley Source Protection Authority

Advertisements in community guides. Learning opportunities typically directed at special events such as water festivals, with education and outreach targeted at those activities that would be significant drinking water threats. Websites updates, and Conservation Ontario infographics and factsheets used and shared. Promotion of Salt Responsibly campaign.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Lower Trent Source Protection Authority

Education and outreach this reporting period included a variety of approaches to reach a broad audience. This included use of traditional media, such as advertising in the Community Guide, as well as 15 social media posts reaching over 7,000 people. DWSP information on Lower Trent Conservation website was consistently updated. LTC also supported and promoted the Road sign and Salt Responsibly campaigns to raise awareness.

Youth education was also a priority. Approximately 1200 students, teachers and parents were engaged through the Tri-County Children's Water Festival, as well as ~1100 children through virtual and in-person programming. Over 800 people were also reached through presentations and participation at community events, including LTC Farewell to frost, Quinte West Wellness Expo, and the Hastings County Plowing Match.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Our progress score for each Source Protection Authority on achieving source protection plan objectives in this reporting period is as follows:

Source Protection Authority	Status
Otonabee-Peterborough	P: Progressing well / on target
Kawartha-Haliburton	P: Progressing well / on target
Crowe Valley	P: Progressing well / on target
Lower Trent	P: Progressing well / on target

Our overall progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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The Trent Conservation Coalition Source Protection Region, not including Ganaraska, reports no significant delays in policy implementation. However, policy implementation challenges were addressed through our S.36 Amendment, submitted in December, 2023, which upon release of this Report is waiting final approval from the Ministry of the Environment, Conservation and Parks. Through this process, policy wording will be improved to assist in overall Trent Source Protection Plan implementation.

A water quality issue, as identified by the Source Protection Committee, is where a contaminant is present at a level of concern or showing an upward trend and threatens the municipal drinking water source. The issue contributing area (ICA) is an area of land or water where activities are contributing to the water quality issue.

These activities are classified as significant threats to drinking water.

Stirling Water System

Stirling wells were identified as having an E. coli issue in the raw untreated water. Observations this year showed no change in concentration or trends. In response to the issue, the municipality engaged in the following activities:

- Reported annually by February 1st to the Lower Trent Source Protection Authority
- A new less vulnerable well was brought on line in 2020 to reduce risk of E. coli. RMPs continue to be developed to reduce the amount of E. coli entering Rawdon Creek
- Monitored the identified issue through data as provided in the Stirling-Rawdon annual water report. The report also identified the municipality continues to track Total Coliform (TC) hits
- Undertook hydrological studies showing the wells are Groundwater Under the Direct Influence (GUDI) of surface water and there is in situ filtration.
- Completed all septic inspections in the Stirling Issue Contributing Area
- All identified significant drinking water threats have been managed by RMPs
- Completed Education & Outreach activities including advertorials in local newspaper, attendance at local events, updated factsheets and door-to-door visits in the Issue Contributing Area

Water Budget - Technical Rule #30.1 for Stirling-Rawdon a Tier 3 water budget was included in the 2018 Section 36 work plan, however still requires MECP support and funding to proceed. To be reviewed in 2025 upon approval of new Assessment Report.



4. MORE FROM THE WATERSHED

Find out more information about DWSP and what's happening in the TCC SPR at trentsourceprotection.on.ca including details on:

- The *Clean Water Act*
- The Trent Conservation Coalition Source Protection Region
- The four Source Protection Authorities that make up the Trent Source Protection Plan
- Publications and resources such as the source protection plans and assessment reports
- Am I affected? / policy mapping tool
- Best Practices for Non-Municipal Source Protection

Alternatively, for more information, please contact your local Source Protection Authority:

Source Protection Authority	SPA Lead Contact:
 <p>Otonabee CONSERVATION</p>	<p>Meredith Carter Manager, Watershed Management Program Otonabee Region Conservation Authority 705-745-5791 x223 mcarter@otonabeeconservation.com</p>
 <p>KAWARTHA CONSERVATION Discover • Protect • Restore</p>	<p>Mark Majchrowski Chief Administrative Officer Kawartha-Haliburton Source Protection Authority (705) 328-2271 x 215 mmajchrowski@kawarthaconservation.com</p>
 <p>Crowe Valley Conservation</p>	<p>Andrew McIntyre Crowe Valley Source Protection Authority Risk Management Official / Source Water Protection Specialist (613) 472-3137 andrew.mcintyre@crowevalley.com</p>
 <p>LOWER TRENT CONSERVATION</p>	<p>Anne Anderson Special Project Coordinator Lower Trent Source Protection Authority (613) 394-4829 x 219 anne.anderson@ltc.on.ca</p>

DRINKING WATER SOURCE PROTECTION

Trent Conservation Coalition Source Protection Region

2024 Annual Progress Report Ganaraska Source Protection Plan



“The first barrier to the contamination of drinking water involves protecting the sources of drinking water.”

Justice Dennis O'Connor



LOWER TRENT KAWARTHA
CONSERVATION CONSERVATION



MESSAGE FROM THE CHAIR OF THE TRENT CONSERVATION COALITION SOURCE PROTECTION COMMITTEE



On behalf of the Trent Conservation Coalition Source Protection Committee, it is my pleasure to introduce the 2024 Annual Progress Report on the implementation of the Trent and Ganaraska Source Protection Plans. These reports reflect the results of the required reporting that implementers, of the Source Protection Plan Policies, must submit each year. This exercise allows our Source Protection Committee to determine if the policies are effective and being implemented as intended, to protect sources of municipal drinking water.

Throughout 2024, the Ministry of the Environment, Conservation and Parks has been considering several amendments to our Source Protection Plans, proposed by our committee, to address changes to the Technical Rules that guide the Source Protection Program and to improve the effectiveness of some policies, where issues have been identified. Our staff has been working with the Ministry throughout 2024, to fine tune our proposed amendments and we are looking forward to having them approved early in 2025.

As always, our main objective is to protect sources of municipal drinking water, which was identified as the first barrier in a multi-barrier approach to safer drinking water by the Walkerton Commission. Our Assessment Reports and Source Protection Plans are science based, and as new science emerges our staff and committee will adapt to any changes that can further enhance our efforts.

The knowledge we have gained can also be applied to other uses, such as providing education and outreach to those Ontarians who get their drinking water from private wells or intakes. In our region this represents about 50% of the people. I am so encouraged that our Source Protection Region staff has been partnering with our neighbouring regions in Eastern Ontario to present webinars that are designed to help people on private systems. These webinars include topics such as, “Well Care” and “Septic System Care” and are available on our website. <https://trentsourceprotection.on.ca/resources/media>

I would like to thank the Risk Management Officials, the municipalities and the provincial ministries that provided information regarding their implementation of Source Protection Plan policies. It always reminds me of how complex and important the work they do is, in order to provide the cleanest and safest sources of drinking water.

Each year, as we prepare these Annual Reports, there is an undeniable sense of pride reflected in the staff and the Source Protection Committee. I encourage you to read this progress report, in the hope that you will gain an understanding of the magnitude and importance of the work we do each year.

Jim Hunt, Chair of the Trent Conservation Coalition Source Protection Committee.

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2024 ANNUAL PROGRESS REPORT

1. INTRODUCTION

The Trent Conservation Coalition Source Protection Region's 2024 Annual Progress Report for the Ganaraska Source Protection Plan (SPP) provides an update of the status of the implementation for nine years of implementation from the effective date of January 1, 2015 to December 31, 2024.

This report is produced by the Trent Conservation Coalition (TCC) Source Protection Region (SPR) and Ganaraska Region Source Protection Authority (GRSPA) for the residents and businesses within the watershed, the Trent Conservation Coalition Source Protection Committee (SPC), municipalities and other local stakeholders. A separate Annual Progress Report for the Trent Source Protection Plan is also available.

The format of this report is based on broad categories, identified by the Ministry of the Environment, Conservation and Parks (MECP), to facilitate legislative reporting and tracking of progress made towards the implementation of the Ganaraska Source Protection Plan.

1.1 CLEAN WATER ACT

In response to the *Report of the Walkerton Inquiry (The Honourable Dennis R. O'Connor, 2002)* and its recommendation for a multi-barrier approach to providing safe drinking water, the Ontario government passed the *Clean Water Act, 2006* (the *Act*). The purpose of the *Act* is to protect sources of municipal drinking water through collaborative, watershed-based source protection plans that are locally developed and based on science.

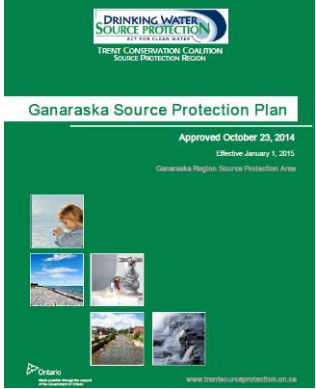
1.2 SOURCE WATER PROTECTION PROGRAM

The *Clean Water Act* led to the creation of the Drinking Water Source Protection (DWSP) program, which established 19 source protection regions and 38 source protection areas in Ontario. The DWSP program protects current and future municipal residential drinking water sources from contamination and overuse by developing collaborative watershed-based source protection plans. A source protection plan is the first barrier in a multi-barrier approach.

The Ganaraska Source Protection Plan includes mandatory and strategic policies that have been developed by the Trent Conservation Coalition Source Protection Committee in consultation with provincial ministries, municipalities, businesses, landowners and other stakeholders. The Plan identifies the party that is responsible for implementing a policy (implementing bodies). The implementing bodies are required by the *Clean Water Act* and its regulations to report on the implementation progress of policies in the Plan.

1.3 OUR WATERSHED: THE GANARASKA REGION SOURCE PROTECTION AUTHORITY

This Annual Progress Report outlines the progress made towards implementing Ganaraska Source Protection Plan.

	<p>Anoraks Region Source Protection Authority Quick Facts</p> <ul style="list-style-type: none"> • 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
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For a map of the Ganaraska Region Source Protection Authority, please see the map of the Trent Conservation Coalition Source Protection Region in Section 1.4.

To learn more about the Ganaraska Region watersheds, please read the Ganaraska Assessment Report and Ganaraska Source Protection Plan available at <http://trentsourceprotection.on.ca/resources/reports-legislation>.

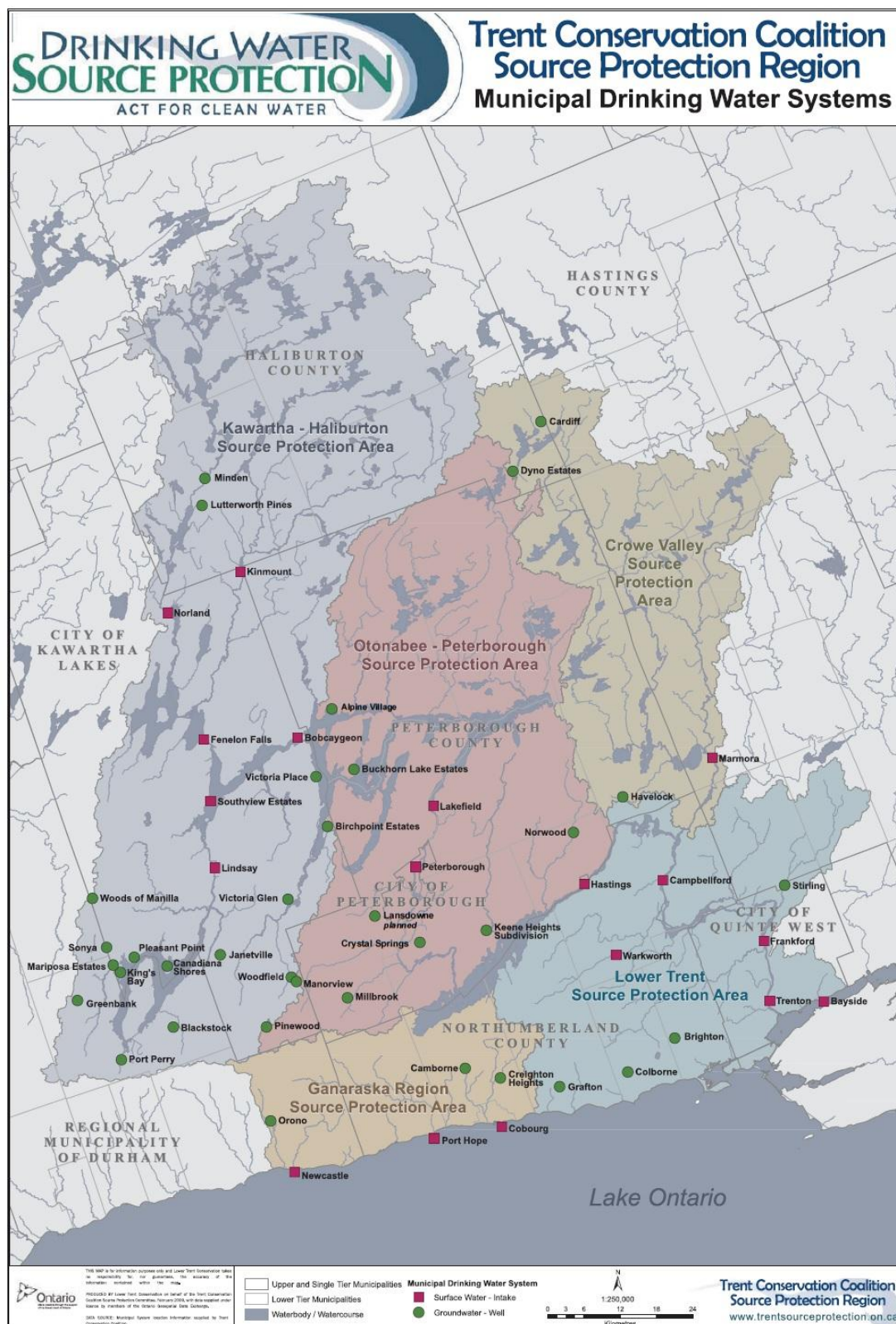
The Ganaraska Region Source Protection Area covers 930 km² of land that extends from the Wilmot Creek watershed in the west to the Cobourg Creek watershed in the east, and from the crest of the Oak Ridges Moraine and Rice Lake in the north to Lake Ontario in the south. The major watersheds include Wilmot Creek, Graham Creek, the Ganaraska River, Gages Creek and Cobourg Creek. In addition, four groups of smaller watersheds drain to either Lake Ontario or Rice Lake.

Drinking water systems in the Ganaraska Region Source Protection Area include municipal and non-municipal systems of various sizes that draw raw water from both groundwater and surface water sources. About 70% of the population in the Ganaraska Region Source Protection Area (over 45,000 people) obtain their drinking water from six municipal residential drinking water systems.

There are three existing municipal residential surface water supply systems in the Ganaraska Region Source Protection Area that obtain their water from surface water sources (all of them from Lake Ontario). These systems serve more than 40,000 people in the communities of Cobourg, Newcastle and Port Hope.


There are three existing municipal residential groundwater supply systems in the Ganaraska Region Source Protection Area that obtain their water from groundwater sources. These systems serve more than 2,700 people in the communities of Camborne, Creighton Heights and Orono. There are no municipal residential drinking water systems in the Ganaraska Region Source Protection Area that are considered to be Groundwater Under the Direct Influence (GUDI) of surface water.

1.4 OUR WATERSHED: LOCATION OF MUNICIPAL WELLS AND INTAKES SUBJECT TO THE CLEAN WATER ACT



2. MESSAGE FROM YOUR SOURCE PROTECTION COMMITTEE

The progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

The rationale for the Source Protection Committee to select the progress score is as follows:

The Source Protection Committee arrived at this consensus based on a summary of information provided by the Ganaraska Region Source Protection Authority through the Annual Progress Report templates and a draft Annual Progress Report presented on March 27, 2025 to the Trent Conservation Coalition Source Protection Committee (SPC) meeting.

The SPC reviewed the sections in the report, including a review of the scoring proposed by the 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 score because implementation of the Ganaraska Source Protection Plan policies have been completed or are underway.

2.1 METHOD OF EVALUATION


Implementation of the Ganaraska Source Protection Plan is an important element of a multi-barrier approach to protecting municipal residential drinking water sources. To evaluate implementation effectiveness, a monitoring component is included for each policy. The Ministry of the Environment, Conservation and Parks (MECP) has identified a reporting process for the monitoring component that includes the preparation of an Annual Progress Report. In order to report on implementation progress to the MECP, the implementing bodies submit information on their progress through use of a standardized template to the Source Protection Authorities and the Region. This information is then used to develop this Annual Progress Report.

3. AT A GLANCE: PROGRESS ON SOURCE PROTECTION PLAN IMPLEMENTATION

3.1 SOURCE PROTECTION PLAN POLICIES

Across the Ganaraska Source Protection Plan, all the policies (100%) that address significant drinking water threats are in place, in progress, not applicable or the policy outcome has been evaluated and no further action required.

The overall progress score across the Ganaraska Source Protection Plan on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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3.2 MUNICIPAL PROGRESS: ADDRESSING RISKS ON THE GROUND

Municipalities and Approval Authorities under the *Planning Act* are the Implementing Body for 36 policies in the Ganaraska Source Protection Plan. These can be summarized into the following categories:

Category	Compliance Date Summary	# of policies	# Complete, In Progress or Not Applicable / No Information Received or Policy Outcome Evaluated and No further action required
Local Threats	1 year of plan taking effect	13	100%
Education & Outreach	2 years of the plan taking effect	6	100%
Sewage Connection and Transport Pathway By-Laws	8 years of the plan taking effect (5 Years OP + an additional 3 years for Zoning By-Law compliance)	2	100%
Standard Operating Procedures for Screening Permit Applications	8 years of the plan taking effect (5 Years OP + an additional 3 years for Zoning By-Law compliance)	2	100%
Update Official Plans to include Source Water Protection	5 years of the plan taking effect	2	100%
Emergency Management	1-2 years of plan taking effect	4	100%
Asset Management	2 years of the plan taking effect	1	100%
Climate Change Data Collection	When plan takes effect	1	100%
Land Acquisition	When plan takes effect	1	100%

Category	Compliance Date Summary	# of policies	# Complete, In Progress or Not Applicable / No Information Received or Policy Outcome Evaluated and No further action required
Road Salt Vulnerable Area Planning	8 years of the plan taking effect (5 Years OP + an additional 3 years for Zoning By-Law compliance)	1	100%
Sewage (Policy to address future septic systems under OBC proposed to be installed in the future) & Wastewater (Policy to address future wastewater collection system)	8 years of the plan taking effect (5 Years OP + an additional 3 years for Zoning By-Law compliance)	2	100%
Waste Disposal - Policy to Prohibit future waste disposal sites addressed by Prescribed Instruments	8 years of the plan taking effect (5 Years OP + an additional 3 years for Zoning By-Law compliance)	1	100%

All municipalities (100%) have ensured Education and Outreach policies are in place. Target audiences range from the general public, landowners in vulnerable area, and municipal staff. The Ganaraska Region Conservation Authority (GRCA) offered and provided support to member municipalities as they undertake education and outreach programming/services.

All municipalities (100%) have ensured amendments to the mandatory Sewage Connection and optional Transport Pathway By-Laws that conform to the SPP are in place, in progress, not applicable or the policy outcome has been evaluated and no further action required.

All municipalities (100%) report that Standard Operating Procedures to forward section 59 notices for future threats are in place or not applicable (Municipality of Port Hope).

All municipalities (100%) have ensured updates to Emergency Management Plans are in place and continually evaluated and updated as required. This includes consideration to the local threat related to the liquid hydrocarbon pipelines.

All municipalities (100%) report the Asset Management prioritization exercise for existing sewer mains and wastewater treatment plants is in place, or not applicable (Township of Hamilton).

All municipalities (100%) report implementation of the climate change policy is in place and continually improved. Many of the climate change programming and advancements are carried out in partnership with the GRCA.

All municipalities (100%) report implementation of the Land Acquisition policy is in place.


All municipalities (100%) report implementation of the Road Salt Vulnerable Area Planning is not applicable.

All municipalities (100%) report implementation of the sewage and wastewater policies are in place or in progress.

All municipalities (100%) report implementation of the Waste Disposal policy to prohibit future waste disposal sites is in place or in progress. Further work needs to be done to ensure municipalities have the necessary support to understand and implement this waste disposal policy to prohibit future waste disposal sites addressed by Prescribed Instruments

All municipalities (100%) within the Ganaraska Region SPA have established standard operating procedures to ensure day-to-day planning decisions conform to the Ganaraska SPP. Some fine tuning of the process is required to ensure all relevant applications are flagged and transport pathway notifications occur to ensure that planning advice is provided to manage or provide options to manage potential transport pathways.

The overall progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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3.3 SEPTIC INSPECTIONS


While outside the scope of the *Clean Water Act*, the Ontario Building Code (OBC) requires that septic system threats be subject to a mandatory inspection program. Based on the location of individual septic systems, the responsibility to undertake these inspections may be that of the local Health Unit/department, municipality, or Conservation Authority depending on which body empowered as the principal authority (municipalities).

<i>Compliance Date Summary</i>		Compliance dates for existing septic inspections (those constructed by the following date) are set by the s. 1.10.2.4 (2)(a)(i)(A) of O. Reg. 315/10: BUILDING CODE to be five years after the date of publishing of the Assessment Report on the Environmental Bill of Rights. The EBR Registry Number is 012-2699 and was posted November 3, 2014 therefore the compliance date for existing septic's is November 3, 2019, and every 5 years after the initial inspection.
Existing	5 years from notice on EBR (November 3, 2014)	
Future	When the plan takes effect (January 1, 2015)	

Existing septic systems are only located in the Township of Hamilton. In 2016, 10 septic inspections were conducted - it was reported that 100% percent of existing septic threats have been inspected in accordance with OBC, of which 100% are functioning as required. In 2022 six septic system inspections were carried out and all septic's passed inspection. Additionally, two residential systems were inspected in 2023 and one municipal holding tank. One holding tank associated with the Water Treatment Facilities has been inspected in 2024. All system inspections passed.

100% of municipalities and/or health unit/department have standard operating procedures to ensure OBC compliance and thus ensure that future septic systems do not become significant threats and are inspected.

The progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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3.4 RISK MANAGEMENT PLANS

Risk Management Officials (RMOs) are the Implementing Body for 39 policies in the Ganaraska Source Protection Plan, and utilize the following tools, which were established under Part IV of the *Act*, to manage threats: Prohibition (s.57); Risk Management Plans (s.58); and, Restricted Land Uses (s.59).

<i>Compliance Date Summary</i>		Existing threats have a 5 year compliance date. Future threat policies are effective when the plan takes effect. In 2020, the MECP approved an extension of 2 year due COVID-19 and other delays. The new Deadline is January 1, 2023.
Existing	7 years from plan taking effect (January 1, 2015)	
Future	When the plan takes effect (January 1, 2015)	

# RMP's Established Complete	# Significant Threats Managed	# of Threats remaining to be managed	# Inspections	# Section 59 Notices
0	0	1	5	0


Three Risk Management Plans (RMPs) were established prior to January 1, 2022. Two of these plans manage two significant drinking water threats associated with marina fuel storage at two separate facilities. One RMP manages the application of pesticide to agricultural land and during the negotiation process determined that a threat of application of agricultural source material was not occurring on one (1) property. In 2022, two RMPs were established to address the handling and storage of dense non-aqueous phased liquids (DNAPLs). One remaining property is being evaluated for the threat of DNAPLs.

The total number of inspections carried out by a Risk Management Officials / Inspectors in 2024 was 5. The compliance rate with the Risk Management Plans was 100%.

Risk Management Officials operating with the Ganaraska Region Source Protection Authority issued a total of 0 Section 59 notices for the period of January 1, 2015 to December 31, 2024. The processes to screen development applications is reported to be working well.

The contact details for the RMOs within the Ganaraska Region Source Protection Authority can found on the TCC website RMO webpage (<http://trentsourceprotection.on.ca/risk-management/contact-your-risk-management-official-inspector>).

The progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

Five provincial ministries reported on progress of 21 policies in the Ganaraska Source Protection Plan. Information pertaining to the Ganaraska SPP was extracted from the provincial reporting tool, but due to the scale of provincial reporting, data is available only for the entire TCC Region and not available specifically for the Ganaraska SPP.

<i>Compliance Date Summary</i>	
Existing	5 years from plan taking effect (January 1, 2015)
Future	When the plan takes effect (January 1, 2015)

The Ministries listed below either are in progress or have fully implemented all the TCC policies. The table below summarizes the progress achieved for policy implementation as reported by each ministry:

Implementing Body	Policy Implementation Complete (%)	Policy Implementation In Progress (%)	Policy Implementation Not in Progress
Ministry of Agriculture, Food, and Rural Affairs (OMAFRA)	100	0	0
Ministry of the Environment, Conservation and Parks (MECP)	90	10	0
Ministry of Natural Resources and Forestry (MNRF)	100	0	0
Ministry of Transportation (MTO)	60	40	0

For existing threats, Ontario ministries listed above 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 the Plans 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 to plan policies. Plan policies set out a timeline of 5 years to complete the review and make any necessary changes. Policy implementation categorized as “in progress” are related to actions that are strategic and ongoing such as research and review processes. Some highlights of provincial implementation in the GRSPA include:

The Ministry of the Environment, Conservation and Parks reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Waste disposal sites – landfilling and storage
- Sewage Works/Wastewater
- Municipal Drinking Water Licenses & Drinking Water Works Permits

The Ontario Ministry of Agriculture, Food and Rural Affairs reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Nutrient Management Strategies (NMS)

- Non-Agricultural Source Materials (NASM) Plans

The Ministry of Transportation reports that a process is in place to ensure Prescribed Instrument holders comply with the terms and conditions of their Prescribed Instrument.

The Ministry of Natural Resources and Forestry provides support to the development of the State of Ontario's Biodiversity reports to address Ontario's environmental challenges, including climate change. As such, the MNRF continues to implement initiatives that support Naturally Resilient: MNRF's Natural Resource Climate Adaption Strategy. This strategy aligns with broader provincial climate change objectives and supports the ministry's efforts to adapt and fulfill their mandate in a changing climate and its potential impact on vulnerable areas and municipal drinking water systems.

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

There is a problem with the reporting from the MECP. Staff have determined that while these Prescribed Instrument reviews are 100% complete, the information provided from the reporting has not been sufficient. The MECP reporting lacks details and specifics beneficial to understanding issues regarding our drinking water systems and potential threats.

Examples include:

- MECP's Agricultural Source Material and Non-Agricultural Source Material Inspections – reporting an issue of non-compliance, without providing details about the non-compliance or where it occurred.
- MECP's Sewage Prescribed Instrument reporting – Stating that a Standard Operating Procedure is in place, but no "description of the conditions of the Prescribed Instrument" as set out in our monitoring policy.
- There are repetitive generic responses
- When reporting on future Prescribed Instrument the MECP provided details about inspection, which doesn't answer the question.

Our progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	<p>S: Satisfactory: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan. The MECP's commitment to improve their reporting will help to upgrade this score in the future.</p>
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3.6 AWARENESS AND CHANGES IN BEHAVIOUR: EDUCATION & OUTREACH

Ten (10) policies in the Ganaraska Source Protection Plan recognize the importance of using the education and outreach tool to change behavior to better protect sources of municipal drinking water.


<i>Compliance Date Summary</i>	
Existing / Future	5 years from when plan takes effect (January 1, 2015)

Signage was identified an effective tool for raising awareness of the Drinking Water Source Protection program and the importance of protecting sources of municipal drinking water. Road signage indicating vulnerable areas have been installed in all municipalities and the Municipality of Port Hope is considering signage in the future, although not a policy requirement. Signage is 100% complete.

Other education and outreach activities over the past years included:

- Township of Hamilton septic inspection support through education and a grant for 50% of the cost of the septic inspection through the Ganaraska Region Conservation Authority Clean Water-Healthy Land Financial Assistance Program;
- Ongoing delivery of the Ganaraska Region Conservation Authority Clean Water-Healthy Land Financial Assistance Program;
- Conducted collaborative outreach through the East Central Farm Stewardship Collaborative to Risk Management Officials regarding funding opportunities for agricultural producers in vulnerable areas;
- Creation of communication products by the Regional Municipality of Durham, the Town of Cobourg and the Township of Hamilton.
- Water Quality/Great Lakes: Participating in the Great Lakes Plastic Clean-up carried out by the Town of Cobourg
- The Town of Cobourg educates seasonal boaters on Source Water Protection and provides guidance on preventing spills from their boats.
- Dissemination of general source water protection information through social media platforms.

The progress score on achieving source protection plan objectives in this reporting period is as follows:

	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
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3.7 SOURCE WATER PROTECTION PLAN POLICIES: SUMMARY OF CHALLENGES

The Ganaraska Region Source Protection Authority reports no significant delays in policy implementation. However, policy implementation challenges were addressed through our S.36 Amendment, submitted in December 2023, which upon release of this Report is waiting final approval from the Ministry of the Environment, Conservation and Parks. Through this process, policy wording has been improved to assist in overall Ganaraska Source Protection Plan implementation.

3.8 SOURCE WATER QUALITY: MONITORING AND ACTIONS

In the TCC/GRSP 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.

3.9 SCIENCE BASED ASSESSMENT REPORT: WORK PLANS

Since January 1, 2015, no additional scientific work was required in order to further protect sources of municipal residential drinking water sources. In the fall of 2018, a work plan was submitted to the Ministry, outlining activities proposed to update the Ganaraska Assessment Report and Ganaraska Source Protection Plan. These activities include:

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

Staff submitted these updates as part of the S.36 Amendment in December 2023, which is still awaiting final approval from the Ministry of the Environment, Conservation and Parks.

4. WANT MORE DETAIL?

Find out more information about Drinking Water Source Protection and what's happening in the Ganaraska Region Source Protection Area and the Trent Conservation Coalition Source Protection Region at trentsourceprotection.on.ca including details on:

- The *Clean Water Act*
- The Trent Conservation Coalition Source Protection Region
- The five The Trent Conservation Coalition Source Protection Areas
- Publications and resources e.g. the source protection plans and assessment reports
- Am I affected? / policy mapping tool

5. MORE FROM THE WATERSHED

To learn more about Source Protection in the Ganaraska Region Source Protection Authority, visit webpage at <http://www.grca.on.ca/source-water-protection/>

To learn more about the Trent Conservation Coalition Source Protection Region, visit our homepage at <http://www.trentsourceprotection.on.ca>.