

March 10, 2023

Regional Municipality of Peel

Attention: Aretha Adams, Regional Clerk and Director of Legislative Services

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Brampton, ON
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RE: Notification of Consultation Pursuant to Sections 34 of the *Clean Water Act, 2006* and Ontario Regulation 287/07

Written Comments due by Friday, April 14, 2023

Municipal Council Resolution due by Monday, May 21, 2023

You are receiving this correspondence because you are considered a municipality affected by proposed amendments to the South Georgian Bay Lake Simcoe (SGBLS) and Credit Valley - Toronto and Region - Central Lake Ontario (CTC) Source Protection Plans, which includes updates to the Palgrave-Caledon East and Caledon Village-Alton Drinking Water Systems, as well as changes to policy.

The Credit Valley Source Protection Authority (CVSPA) and Lake Simcoe Region Source Protection Authority (LSRSPA) are the lead authorities in the CTC and SGBLS Source Protection Regions and as such along with the CTC and SGBLS Source Protection Committees initiated an update to the [CTC Source Protection Plan](#) and Credit Valley, Toronto and Region and Nottawasaga Valley Assessment Reports under s.34 of the *Clean Water Act, 2006*. This Pre-Consultation notice is a formal request for your comments and a municipal council resolution for the proposed amendments.

Regulatory Background

Section 34 of the *Clean Water Act, 2006* (CWA) provides a Source Protection Authority (SPA) the process to carry out locally initiated amendments to source protection plans and assessment reports. **Pre-consultation** refers to the regulatory requirements within O. Reg. 287/07 to send notices to persons or bodies responsible for implementing policies, including government ministries that have obligations under the CWA. Prior to conducting public consultation, the CWA requires the SPA to obtain a **municipal council resolution** from each municipality affected by the amendments. A municipality may be considered "affected" if it is located within a geographic area related to the amendments, and/or the municipality is responsible for taking actions or otherwise implementing source protection policies related to the amendments.

Proposed Amendments

REFERRAL TO _____
RECOMMENDED _____
DIRECTION REQUIRED _____
RECEIPT RECOMMENDED ☒ _____

Peel Region has proposed to increase the pumping rates at Palgrave Well 4, the delineation of a WHPA for the new Caledon East Well 6, and delineation of a WHPA for the existing Caledon Village Well 3B. Aquifer vulnerability assessment, vulnerability scoring, managed lands, livestock density, and percent imperviousness mapping were completed according to the 2021 Director's Technical Rules (DTR's) set out by the Province. Regulations under the *Safe Drinking Water Act, 2002* require updates to the relevant CTC and SGBLS Source Protection Assessment Reports and Plans for new or expanded municipal drinking water systems.

The CTC Source Protection Committee has also proposed revisions to its Source Protection Plan definitions of existing threat activity, transition policy and timelines, and two policies addressing:

- The handling and storage of a dense non-aqueous phase liquid (DNAP-1)
- The handling and storage of an organic solvent (OS-1)

These policy amendments focus on resolving implementation challenges by expanding the use of risk management plans to address threats from small quantities of DNAPLs and organic solvents and clarifying existing vs. future threats for new/updated Drinking Water Systems. The amended policies do not have any impact on delineation of Wellhead Protection Areas or threat enumeration.

The current proposed amendments include changes to other Drinking Water Systems in CTC for the City of Toronto and Region of York that do not affect Peel Region. Appendix A provides a summary of updates to the CTC Source Protection Plan and Assessment Reports, and Nottawasaga Valley Assessment Report, relevant to Peel Region, and Appendix B provides the draft policy revisions for the CTC Source Protection Plan. Appendix C provides the proposed updated Well-head Protection Area maps within Peel Region.

Requests and Next Steps

- **Written Comments:** We welcome your written feedback on the proposed amendments. These comments can be sent via email to ctcswp@cvc.ca and sthompson@nvca.on.ca by 5:00 pm on Friday, April 14, 2023.
- **Municipal Council Resolution:** Peel Region, CTC and SGBLS staff have been working collaboratively to prepare a report for your council. A council resolution is requested by 5:00 pm on Monday, May 21, 2023

Once the pre-consultation period ends, written comments will be reviewed by the CTC Source Protection Committee's Amendments Working Group and the SGBLS Source Protection Committee and if necessary, changes will be made to the relevant Assessment Reports and CTC Source Protection Plan. Following municipal council endorsement, a mandatory **Public Consultation** period will take place for a minimum duration of 35 days. Based on the above timelines, public consultation is anticipated to take place during June 5 to July 12, 2023.

The amendments will then be received by Source Protection Authorities in SGBLS and CTC for authorization to submit the documents to the Ministry of the Environment, Conservation and Parks. Lastly, the proposed amendments will be considered by the Minister for approval.

If you require further information or have any questions, please do not hesitate to contact us. Thank you for your continued support and participation in efforts to protect our sources of drinking water.

Best regards,



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cc. Therese Estephan, Risk Management Official, Region of Peel
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and Region Conservation Authority, Toronto and Region Conservation Authority
(Don.Ford@trca.ca)

Sarah Thompson, Source Water Coordinator, NVCA (sthompson@nvca.on.ca)

Tara Buonpensiero, Acting Chief Planner and Director of Planning and
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Mark Head, Manager, Research and Analysis, Region of Peel
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Stephanie Jurrius, Legislative Specialist, Region of Peel
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Kealy Dedman, Commissioner of Public Works, Region of Peel
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Elvis Oliveira, Director, Water and Wastewater, Infrastructure Planning,
Partnerships and Compliance, Region of Peel & Municipal Representative, CTC-
Source Protection Committee (elvis.oliveira@peelregion.ca)

Appendix A: Summary of Updates to CTC and SGBLS Assessment Reports, and
CTC Source Protection Plan

Appendix B: Draft revised policies for the CTC Source Protection Plan

Appendix C: Proposed Peel Drinking Water Systems WHPA update maps

Appendix A: Summary of Updates to SGBLS and CTC Assessment Reports, and CTC Source Protection Plan

No.	Section or Figure	Brief Description of Anticipated Amendment	Estimated Timing to Submit Proposed Amendment to Ministry of the Environment, Conservation, and Parks
Nottawasaga Valley Assessment Report			
1.	Front Material	Update text and tables to describe the Palgrave Water Supply System the number of significant drinking water threats	September 2023
2.	Chapter 7	Update text, maps, and tables to reflect the new production Well 6 in Caledon East and capacity increases for Palgrave well 4. Includes updated Wellhead Protection Area (WHPA) delineation, scoring, and mapping.	September 2023
3.	Appendices	Updated to include reference to technical work by Aqua Insight (2022)	September 2023
Toronto and Region Assessment Report			
1.	Throughout	Updated dates and version number	September 2023
2.	Throughout	Removed Text Boxes to improve AODA compliance	September 2023
3.	Executive Summary	Updated Glossary	September 2023
4.	Executive Summary	Figure ES:4 Updated map to show new collector lines	September 2023
5.	Executive Summary	Figure ES:7 Updated map to include the new production Well 6 in Caledon East.	September 2023
6.	Chapter 2	Updated text, maps and tables to reflect the new production Well 6 in Caledon East	September 2023
7.	Chapter 4	Updated text, maps and tables to reflect the new production Well 6 in Caledon East and capacity increases for Palgrave well 4. Includes updated Wellhead Protection Area (WHPA) delineation, scoring, and mapping as well as updated transport pathways methodology and assessment	September 2023
8.	Chapter 5	Table 5.1: Provincial Tables of Circumstances. Updated to reflect DTR changes	September 2023
9.	Chapter 5	Updated text, maps and tables to reflect the updated information for the new Ashbridges Bay Outfall's impact on CTC water intakes	September 2023
10.	Chapter 5	Updated text, maps and tables to reflect the new production Well 6 in Caledon East and capacity increases for Palgrave well 4.	September 2023

		Includes updated Wellhead Protection Area (WHPA) delineation, scoring, and mapping.	
11.	Chapter 7	Update Bibliography to include new reference to Peel's foundation reports for the new well 6 in Caledon East, updated modelling, and threats enumeration.	September 2023
12.	Appendices	Update link to provincial threats	September 2023
13.	Appendices	Update appropriate figures and text for Caledon East and Palgrave with respect to managed lands, impervious surfaces, and livestock density.	September 2023
14.	Appendices	Update appropriate figures and text to include updated hydrogeologic information	September 2023
15.	Appendices	Update appropriate figures and text to include new well 6 in Caledon East and references to the foundation documents.	September 2023
Credit Valley Assessment Report			
1.	Throughout	Update dates and version number	September 2023
2.	Throughout	Remove Text Boxes to improve AODA compliance	September 2023
3.	Executive Summary	Update Glossary	September 2023
4.	Executive Summary	Update Executive Summary text to account for the updated significant drinking water quality threat counts.	September 2023
5.	Executive Summary	Figure ES:4 Updated map to show new collector lines	September 2023
5.	Executive Summary	Figure ES:7 Update map to include new WHPA delineation for Caledon Village Well 3, 3B, and 4.	September 2023
6.	Chapter 2	Update text and tables to reflect changes in the maximum annual pump rates in the Caledon Village wellfield.	September 2023
7.	Chapter 2	Update text to include technical specifications of Caledon Village Well 3B.	September 2023
8.	Chapter 4	Update text, maps, and tables to reflect changes in the delineation of the WHPAs, vulnerability scores, and transport pathways areas of influence in the Caledon Village wellfield (Well 3, 3B, and 4).	September 2023
9.	Chapter 4	Amendments to the text speaking to the transport pathways methodology adopted in the CV SPA.	September 2023
10.	Chapter 4	Update text to reflect refinements made to the groundwater flow model applied to the Caledon Village wellfield (Well 3, 3B, and 4).	September 2023
11.	Chapter 5	Update text to include the methodology for calculating the percent impervious area for the Caledon Village wellfield (Well 3, 3B, and 4) using the 2021 Director Technical Rules methodology.	September 2023

12.	Chapter 5	Table 5.1: Provincial Tables of Circumstances. Updated to reflect DTR changes.	September 2023
13.	Chapter 5	Update text and tables to account for changes in the total number of significant drinking water quality threats and the number of parcels with significant drinking water quality threats.	September 2023
14.	Chapter 5	Update maps to include new areas of chemical, pathogen, and DNAPL threats for Caledon Village Well 3, 3B. and 4.	September 2023
15.	Chapter 5	Updated text, maps and tables to reflect the updated information for the new Ashbridges Bay Outfall's impact on CTC water intakes	September 2023
17.	Chapter 6	Update text speaking to the transport pathways methodology adopted in the CV SPA.	September 2023
17.	Chapter 6	Update text and tables to account for changes in the number of significant drinking water quality and quantity threats and the total number of parcels with significant drinking water threats.	September 2023
18.	Chapter 7	Update References section with the recent foundation report completed by Aqua Insight Inc. (2002) which details the technical study performed to update modelling, WHPA delineation and threats enumeration for the Caledon Village wellfield.	September 2023
19.	Appendices	Update link to provincial threats.	September 2023
20.	Appendices	Update appropriate figures and text to include technical information presented in the recent foundation report completed by Aqua Insight Inc. (2002) which details the technical study performed to update modelling, WHPA delineation, threats enumeration, and transport pathways areas of influence for the Caledon Village wellfield (Well 3, 3B, and 4).	September 2023
CTC Source Protection Plan			
1.	Preface	Preface/Version Control: Update to note DTR version used for updates, amendment description	September 2023
2.	Chapter 2	Section 2.1. Number of active supply wells update	September 2023
3.	Chapter 2	Figure 2-2. Updated map of CTC SPR municipal wells and intake locations	September 2023
4.	Chapter 4	Section 4.1.2. Included description of updates to assessment reports	September 2023
5.	Chapter 5	Section 5.1.10 Included description of consultation on amendments	September 2023

6.	Chapter 6	Table 6-1 Updated Well Count by Municipality	September 2023
7.	Chapter 7	Section 7.2 Updated transport pathways section text	September 2023
8.	Chapter 8	Section 8.3. Summary of amendments update	September 2023
9.	Chapter 9	Section 9.2 Clarification on use of 2021 DTR's	September 2023
10.	Chapter 10	Section 10.1.2 Update definitions for Existing Threat Activity, Transition, and Amendments.	September 2023
11.	Chapter 10	Section 10.1.3 Updates to text and table 10-1 to reflect changes to Existing Threat Activity, Transition, and Amendments definitions	September 2023
12.	Chapter 10	Table 10-1 Policy T-6 deadlines clarification	September 2023
13.	Chapter 10	Updates to Tables 10-2 to 10-14 to show where significant threats can exist under different Director's Technical Rules versions	September 2023
14.	Chapter 10	Section 10.10 Proposed DNAP-1 and OS-1 policy amendments	September 2023
15.	Chapter 10	Section 10.12.3 Updated modelled spill scenario description	September 2023
16.	Chapter 11	Update to include Director's Technical Rule (DTR) acronym	September 2023
17.	Chapter 12	Update to include Definition for Director's Technical Rule (DTR)	September 2023
18.	Appendix F	Map 1.8 Update Caledon Village significant groundwater quality threat areas (WHPAs, vulnerability scores) in Peel Region	September 2023
19.	Appendix F	Map 2.8 Update Caledon Village significant DNAPL threat areas (WHPAs) in Peel Region	September 2023
20.	Appendix F	Map 1.11 Update Caledon East significant groundwater quality threat areas (WHPAs, vulnerability scores) in Peel Region	September 2023
21.	Appendix F	Map 2.11 Update Caledon East significant DNAPL threat areas (WHPAs) in Peel Region	September 2023
22.	Appendix F	Map 1.12 Update Palgrave significant groundwater quality threat areas (WHPAs, vulnerability scores)	September 2023
23.	Appendix F	Map 2.12 Update Palgrave significant DNAPL threat areas (WHPAs) in Peel Region	September 2023
24.	Appendix F	Map 3.5 Update WHPAs in WHPA-Q Downgradient Line map	September 2023

The proposed assessment report sections and associated source protection plan amendments for CTC can be [downloaded using this link](#). The proposed assessment report plan amendments for SGBLS can be [found at this link](#).

Please note, the amendments outlined in the table are only those relevant to Peel Region.

Appendix B: Draft revised policies for the CTC Source Protection Plan

10.1.2 Definitions

Existing Threat Activity

The CTC Source Protection Plan was approved by the Minister of the Environment and Climate Change on July 28, 2015 and became effective on December 31, 2015.

An existing threat activity shall mean the following, unless expressly stated in a policy:

- a) an existing use, activity, building or structure at a location in a vulnerable area that is in compliance with all applicable requirements, and that was being used or had been established for the purposes of undertaking the threat activity, at any time within ten years prior to the date of approval of the Source Protection Plan or applicable amendment, or
- b) an expansion of an existing use or activity that reduces the risk of contaminating drinking water nor depletes drinking water sources, or
- c) an expansion, alteration or replacement of an existing building or structure that does not increase the risk of contaminating drinking water nor depletes drinking water sources.

For clarity, the definition of an existing threat activity includes a change in land ownership and the rotation of agricultural lands among crops or fallow conditions and allows for alternating between sources of nitrates (agricultural source material, commercial fertilizer, and Category 1 non-agricultural source material).

Future threat activities are anything not covered under existing.

Transition

Under the *Clean Water Act, 2006*, there is consideration for ~~source protection plans (SPPs)~~ to have a Transition Provision that outlines the circumstances under which a “future” drinking water threat activity, that would otherwise be prohibited, may be considered as “existing”, even if the activity has not yet commenced. The intent is to allow applications in ~~transition progress~~ to proceed while drinking water threats are managed under the “existing threat” policies.

The CTC Source Protection Committee included a Transition Provision to recognize situations where an approval-in-principle to proceed with a development application had already been obtained, or where a complete application was made prior to the date the SPP came into effect but requires further planning approvals to implement the application in progress.

~~The CTC SPP was approved by the Minister of Environment and Climate Change on July 28, 2015 and became effective on December 31, 2015.~~ Applications submitted after the effective date of the CTC SPP may only be transitioned if they are ~~helping to implement a necessary part of~~ an application in process prior to the date the CTC SPP took effect.

“Existing Threat” policies apply to prescribed drinking water threat activities under the following circumstances:

- 1) A drinking water threat activity that is part of a development proposal where a ~~complete~~ complete application (as determined by the municipality or Niagara Escarpment Commission) was made under the *Planning Act*, *Condominium Act* or *Niagara Escarpment Planning and Development Act* (NEPDA) prior to ~~the day the Source Protection Plan comes into effect~~ December 31, 2015. The policy for “existing” drinking water threats also applies to any further applications required under the *Planning Act*, *Condominium Act*, Prescribed Instruments, or a development permit under the NEPDA, to implement the development proposal.
- 2) A drinking water threat activity that is part of an application accepted for a Building Permit, which has been submitted in compliance with Division C 1.3.1.1 of the *Ontario Building Code* under the *Building Code Act, 1992* as amended prior to ~~the day the Source Protection Plan comes into effect~~ December 31, 2015.
- 3) A drinking water threat activity that is part of an application accepted for the issuance or amendment of a Prescribed Instrument prior to December 31, 2015 ~~the day the Source Protection Plan comes into effect~~.

Amendments

For vulnerable areas newly identified through an amendment to an Assessment Report, “Existing Threat” policies apply to prescribed drinking water threat activities under the following circumstances:

- 1) A drinking water threat activity that is part of a development proposal where a complete application (as determined by the municipality or Niagara Escarpment Commission) was made under the Planning Act, Condominium Act or Niagara Escarpment Planning and Development Act (NEPDA) prior to the effective date of the corresponding amendment identified below. The policy for “existing” drinking water threats also applies to any further applications required under the Planning Act, Condominium Act, Prescribed Instruments, or a development permit under the NEPDA, to implement the development proposal.
- 2) A drinking water threat activity that is part of an application accepted for a Building Permit, which has been submitted in compliance with Division C 1.3.1.1 of the Ontario Building Code under the Building Code Act, 1992 as amended prior to effective date of the corresponding amendment identified below.
- 3) A drinking water threat activity that is part of an application accepted for the issuance or amendment of a Prescribed Instrument prior to the effective date of the corresponding amendment identified below.

<u>Assessment Report</u>	<u>Version</u>	<u>Effective Date</u>	<u>Summary of Amendments</u>
<u>Credit Valley Assessment Report</u>	<u>2.0</u>	<u>March 25, 2019</u>	<u>Addition of Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Inglewood Drinking Water System</u>

Credit Valley Assessment Report	3.0	December 5, 2019	Addition of Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Alton Well 4A, Caledon Village – Alton Drinking Water System
Credit Valley Assessment Report	5.0	To be confirmed	Updated Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Caledon Village – Alton Drinking Water System
Toronto and Region Assessment Report	3.0	March 25, 2019	Addition of Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Caledon East Drinking Water System
Toronto and Region Assessment Report	4.0	March 2, 2022	Updated Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Newmarket-Aurora Drinking Water System
Toronto and Region Assessment Report	6.0	To be confirmed	Updated Wellhead Protection Areas, Vulnerability Assessment and Threats Enumeration for Palgrave-Caledon East Drinking Water System; Addition of New Intake Protection Zone, Vulnerability Assessment and EBA modelling for City of Toronto (Island) Drinking Water System; Addition of Wellhead Protection Area-A for Nobleton Drinking Water System

10.1.3 Timelines for Implementation

The following table ([Table 10-1](#)) outlines the implementation timelines for the policies in the Source Protection Plan. In the policy tables organized by threat, the third column from the right called “When Policy Applies” contains a brief description of the timeline associated with the existing or future policy and the timeline code (i.e., T-1, T-2), that corresponds to the timelines outlined in the following table. These timeline policies ([Table 10-1](#)) provide greater detail on when the policy applies than the short reference contained within the threat specific policy. [For threat activities \(existing\) added through amendments to an Assessment Report, timelines for policy implementation that reference the date the Source Protection Plan takes effect are interpreted to mean the effective date of the amendment to the Assessment Report, as described above.](#)

Table 10-1: Timelines for Policy Implementation

Policy ID	Timelines for Policy Implementation
Prescribed Instruments	
T-1	Prescribed Instruments (existing) shall be reviewed (and amended, as necessary) within 3 years of the date the Source Protection Plan takes effect, or such other date as the Director determines.
T-2	Prescribed Instruments (existing), where prohibited, shall not be renewed when the current Prescribed Instrument expires, and the significant threat activity to which the Prescribed Instrument pertains, shall cease no later than 5 years from the date the Source Protection Plan takes effect.
T-3	The relevant Ministry shall comply with the Prescribed Instrument policy (future) immediately upon the date the Source Protection Plan takes effect.
Part IV Tools	
T-4	Activities (existing) designated for the purpose of s.57 under the Clean Water Act as prohibited, shall be prohibited by the Risk Management Official within 180 days from the date the Source Protection Plan takes effect as per s.57(2) under the Clean Water Act, unless otherwise specified within the policy.
T-5	Activities (future) designated for the purpose of s.57 under the Clean Water Act are prohibited immediately upon the date the Source Protection Plan takes effect.
T-6	Activities (existing) designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, shall be identified and confirmed within 1 year by the Risk Management Official. Risk management plans shall be established by December 31, 2023. For activities (existing) added through amendments to an Assessment Report, a risk management plan must be established no later than 5 years from the effective date of the amended Assessment Report.
T-7	Activities (future) designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, are prohibited until such time as a risk management plan is approved by the Risk Management Official, immediately upon the date the Source Protection Plan takes effect.
Land Use Planning	
T-8	Official plans shall be amended for conformity with the Source Protection Plan at the time of the next review in accordance with s.26 of the Planning Act. Zoning by-laws shall be amended within 3 years after the approval of the official plan.
T-9	Decisions on planning matters shall conform with the policy immediately upon the date the Source Protection Plan takes effect.
Education and Outreach, Incentives, Research	
T-10	Education and outreach (materials, programs, etc.) shall be developed and implemented within 2 years from the date the Source Protection Plan takes effect.
T-11	Incentives shall be considered within 2 years from the date the Source Protection Plan takes effect.
T-12	Research shall be initiated within 2 years from the date the Source Protection Plan takes effect, contingent on funding.
Specify Action	
T-13	A prioritized maintenance inspection program shall be in effect no later than January 2017.
T-14	The policy shall be complied with within 180 days from the date the Source Protection Plan takes effect.
T-15	The policy shall be considered within 2 years from the date the Source Protection Plan takes effect.
T-16	The policy shall be initiated within 2 years from the date the Source Protection Plan takes effect.
T-17	The policy shall be implemented within 2 years from the date the Source Protection Plan takes effect.
T-18	The policy shall be implemented immediately upon the date the Source Protection Plan takes effect.

~~*Note: in July 2020, the implementation deadline for SPP policy T-6 was extended by 3 years until Dec. 31, 2023.~~

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
DNAP-1	Handling and Storage of a Dense Non-Aqueous Phase Liquid	RMO	G	<p>Part IV, s.57, s.58</p> <p>Where the handling and storage of a DNAPL is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) <u>a) The handling and storage of a DNAPLs of a total in any quantity of 250L or greater (excluding incidental quantities for personal use) is designated for the purpose of s.57 under the Clean Water Act, and is therefore prohibited where the threat would be significant in any of the following areas:</u></p> <ul style="list-style-type: none"> • WHPA-A (future); or • WHPA-B (future); or • WHPA-C (future); <u>or</u> • <u>WHPA-E (future).</u> <p><u>b) The handling and storage of DNAPLs of a total greater than 25L but less than 250L, is designated for the purposes of s.57 under the Clean Water Act, and is therefore prohibited where the threats would be significant in any of the following areas:</u></p> <ul style="list-style-type: none"> • <u>WHPA-A (future)</u> 	See Maps 2.1 - 2.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) <u>a) The handling and storage of a DNAPLs of a total in any quantity of 25L or greater (excluding incidental quantities for personal use) is designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, where the threat is significant in any of the following areas:</u></p> <ul style="list-style-type: none"> • WHPA-A (existing); or • WHPA-B (existing); or • WHPA-C (existing); <u>or</u> • <u>WHPA-E (existing)</u> <p><u>b) The handling and storage of DNAPLs of a total quantity greater than 25L but less than 250L, is designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, where the threat would be significant in any of the following areas:</u></p> <ul style="list-style-type: none"> • <u>WHPA-B (future); or</u> • <u>WHPA-C (future); or</u> • <u>WHPA-E (future).</u> 		Existing: 1 year/ 5 years (T-6)	GEN-1 GEN-2	MON-2

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
DNAP-2	Handling and Storage of a Dense Non-Aqueous Phase Liquid	Municipality MECP	E K	Education and Outreach The municipality shall deliver education and outreach materials and programs where the handling and storage of a DNAPL is, or would be, a significant drinking water threat, targeted towards: a) an individual for personal use to promote the use of non-toxic products and additional opportunities for participation in household hazardous waste disposal and to advise the owner/tenant about the actions to take to ensure that the activity ceases to be, or does not become, a significant drinking water threat; and b) industrial and commercial users to promote the use of alternatives to DNAPLs (including non-toxic products), pollution prevention approaches, best management practices, and safe disposal; in any of the following areas: <ul style="list-style-type: none"> • WHPA-A (existing, future); or • WHPA-B (existing, future); or • WHPA-C (existing, future) Where appropriate education and outreach materials prepared by the Ministry of the Environment, Conservation and Parks are available, the municipality shall deliver those materials.	See Maps 2.1 - 2.21	Existing & Future: Implement within 2 years (T-10)	GEN-8	MON-1 MON-4
DNAP-3	Moderate/Low Threats Handling and Storage of a Dense Non-Aqueous Phase Liquid	Municipality	J	Specify Action Where the handling and storage of a DNAPL is, or would be, a moderate or low drinking water threat, the municipality is encouraged to specify and promote best management practices for the handling and storage of a DNAPL for Industrial, Commercial and Institutional (ICI) land uses in any of the following areas: <ul style="list-style-type: none"> • WHPA-D (existing, future); or • WHPA-E (VS ≥ 4.8 and <10) (existing, future); or • HVA (existing, future). 	See Chapter 5 of the respective Assessment Report	Existing & Future: Consider within 2 years (T-15)	N/A	N/A

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
OS-1	Handling and Storage of an Organic Solvent	RMO	G	<p>Part IV, s.57, s.58</p> <p>Where the handling and storage of an organic solvent is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The handling and storage of an organic solvent is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> • WHPA-A (future); or, • WHPA-B (VS=10) (future). 	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) <u>a)</u> The handling and storage of an organic solvent is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> • WHPA-A (existing); or • WHPA-B (VS=10) (existing, <u>future</u>). 		Existing: 1 year/ 5 years (T-6)	GEN-1 GEN-2	MON-2

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
OS-2	Handling and Storage of an Organic Solvent	Municipality MECP	E K	Education and Outreach The municipality shall deliver education and outreach materials and programs where the handling and storage of an organic solvent is, or would be, a significant drinking water threat, targeted towards: a) an individual for personal use to promote the use of non-toxic products and additional opportunities for participation in household hazardous waste disposal and to advise the owner/tenant about the actions to take to ensure that the activity ceases to be, or does not become, a significant drinking water threat; and b) industrial and commercial users to promote the use of alternatives to these chemicals (including non-toxic products), pollution prevention approaches, best management practices, and safe disposal; in any of the following areas: <ul style="list-style-type: none"> • WHPA-A (existing, future); or • WHPA-B (VS = 10) (existing, future). Where appropriate education and outreach materials prepared by the Ministry of the Environment, Conservation and Parks are available, the municipality shall deliver those materials.	See Maps 1.1 - 1.21	Existing & Future: Implement within 2 years (T-10)	GEN-8	MON-1 MON-4
OS-3	Moderate/ Low Threats Handling and Storage of an Organic Solvent	Municipality	J	Specify Action Where the handling and storage of an organic solvent is, or would be, a moderate or low drinking water threat, the municipality is encouraged to specify and promote best management practices for the handling and storage of an organic solvent for Industrial, Commercial and Institutional (ICI) land uses in any of the following areas: <ul style="list-style-type: none"> • WHPA-B (VS < 10) (existing, future); or • WHPA-C (existing, future); or • WHPA-D (existing, future); or • WHPA-E (VS ≥ 4.8 and <10) (existing, future); or • HVA (existing, future). 	See Chapter 5 of the respective Assessment Report	Existing & Future: Consider within 2 years (T-15)	N/A	N/A

[illegible]

14.1-19

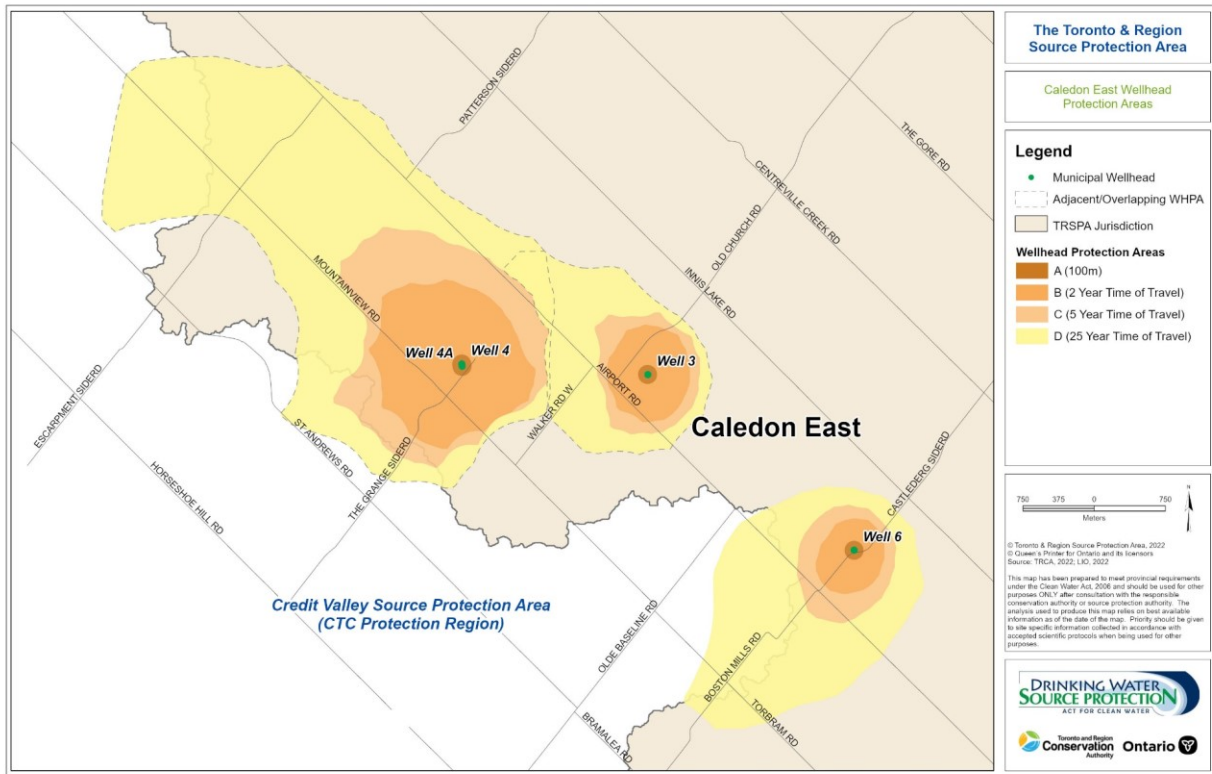


Figure 2: Proposed Wellhead Protection Areas (WHPAs) – Caledon East wellfield (draft Toronto and Region Assessment Report)

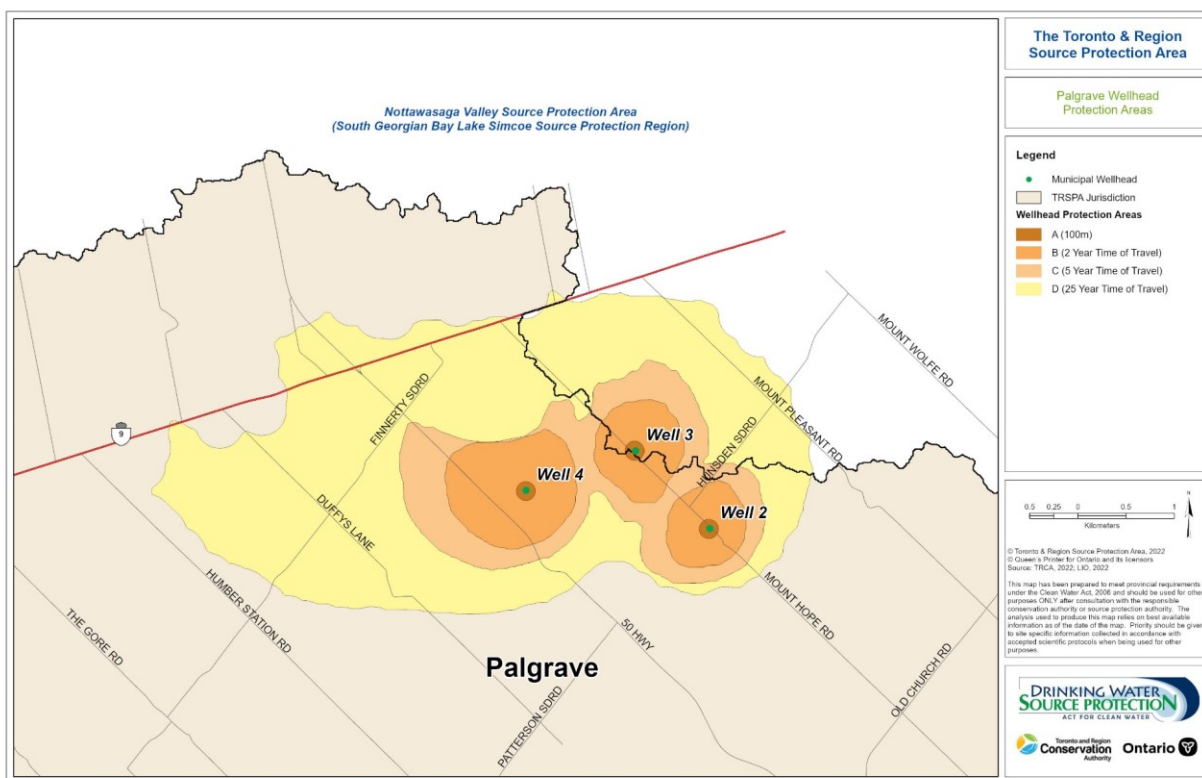


Figure 3: Proposed Wellhead Protection Areas (WHPAs) – Palgrave wellfield (draft Toronto and Region Assessment Report)

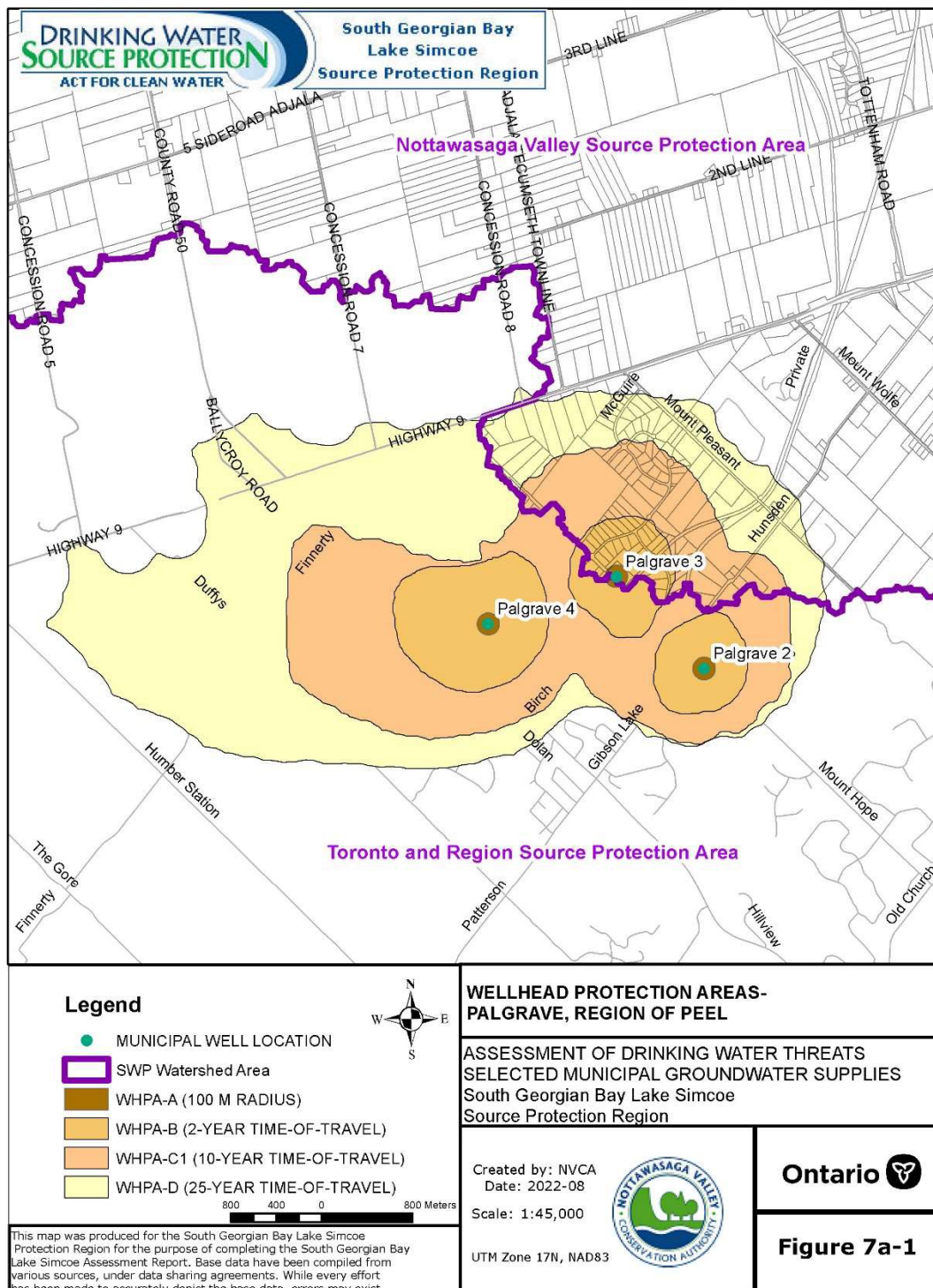


Figure 4: Proposed Wellhead Protection Areas (WHPAs) – Palgrave wellfield (draft Nottawasaga Valley Assessment Report)