

Region of Waterloo

Engineering and Environmental Services, Water and Wastewater Services

Report Title: 2025 Source Protection Annual Report

Appendix

Section 1: Policy Implementation Status

Table 1.1 provides a summary of the status of the policies in the Grand River Source Protection Plan using the definitions defined by the Ministry of Environment Conservation and Parks. Policies can be found in the Region of Waterloo chapter of the Grand River Source Protection Plan available at www.sourcewater.ca.

Definitions:

Implemented – means action(s) was taken for these policies by the implementing body(ies) or if it is an ongoing activity, then processes have been established and are in place.

Policy outcome(s) evaluated; no further action(s) required – means that through their evaluation, the implementing body has determined that current and/or existing procedures/processes/programs achieve the policy outcome(s), or that it is not advisable to take action at this time. As a result, a decision was made by the implementing body that the policy is considered implemented.

In progress/some progress made – means that some action(s) were taken on the policy, but further action(s) is planned or is underway.

No progress made – means that no action(s) were taken yet on the policy by the implementing body(ies) and it remains under consideration.

No information available/no response received – means that an implementing body(ies) does not have enough information to determine the implementation status of a particular policy(ies).

No response required/not applicable – means that the monitoring policies do not

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require a response or a report on actions taken; the implementing body is not named in the monitoring policy OR, that the policy is not applicable to the implementing body.

Table 1.1 - Policy Implementation Status

Policy Number	Threat Type	Implementation Status
RW-CW-1.3	Future and Existing	Implemented
RW-MC-1.4	Future	In progress/some progress made
RW-MC-1.5	Future and Existing	Implemented
RW-MC-1.6	Existing	Implemented
RW-MC-1.13	Future and Existing	Implemented
RW-MC-1.18	Existing	Implemented
RW-NB-1.20	Existing	In progress/some progress made
RW-NB-1.21	Existing	Implemented
RW-NB-1.22	Future and Existing	Implemented
RW-NB-1.23	Future	In progress/some progress made
RW-NB-1.24	Future and Existing	In progress/some progress made
RW-NB-1.25	Future and Existing	Implemented
RW-CW-3	Future	Implemented
RW-CW-4	Existing	In progress/some progress made
RW-CW-5	Future and Existing	Implemented
RW-MC-6	Future	In progress/some progress made
RW-MC-7	Future	In progress/some progress made
RW-CW-8	Future and Existing	Implemented
RW-CW-8.1	Existing	Implemented

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Policy Number	Threat Type	Implementation Status
RW-CW-12.1	Future	Implemented
RW-CW-14	Existing	In progress/some progress made
RW-MC-17	Future	In progress/some progress made
RW-MC-18	Future	In progress/some progress made
RW-CW-19	Existing	In progress/some progress made
RW-CW-19.1	Future	Implemented
RW-CW-20 (a)	Future	Implemented
RW-CW-20 (b)	Future and Existing	In progress/some progress made
RW-CW-20.1	Existing	In progress/some progress made
RW-CW-21	Future	Implemented
RW-CW-21	Existing	In progress/some progress made
RW-CW-23	Future	Implemented
RW-CW-23	Existing	In progress/some progress made
RW-CW-24 (a)	Existing	Implemented
RW-CW-24 (b)	Future and Existing	Implemented
RW-CW-28	Future	Implemented
RW-CW-28	Existing	In progress/some progress made
RW-CW-29	Future	Implemented
RW-CW-29	Existing	In progress/some progress made
RW-CW-30 (a)	Existing	Implemented
RW-CW-30 (b)	Future and Existing	Implemented

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Policy Number	Threat Type	Implementation Status
RW-CW-31	Future	Implemented
RW-CW-32	Future	Implemented
RW-CW-32	Existing	In progress/some progress made
RW-CW-33 (a)	Existing	Implemented
RW-CW-33 (b)	Future and Existing	Implemented
RW-CW-34	Future	Implemented
RW-CW-34.1	Future	Implemented
RW-CW-34.1	Existing	In progress/some progress made
RW-CW-35	Future	Implemented
RW-CW-35	Existing	In progress/some progress made
RW-CW-35.1	Future	Implemented
RW-CW-35.1	Existing	In progress/some progress made
RW-MC-36	Future	In progress/some progress made
RW-CW-37 (a)	Existing	Implemented
RW-CW-37 (b)	Future and Existing	Implemented
RW-CW-39	Existing	In progress/some progress made
RW-CW/NB-40	Future	In progress/some progress made
RW-CW-41	Future	Implemented
RW-CW-41	Existing	In progress/some progress made
RW-CW-42	Future	Implemented
RW-CW-42	Existing	In progress/some progress made

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Policy Number	Threat Type	Implementation Status
RW-CW-43 (a)	Existing	Implemented
RW-CW-43 (b)	Future and Existing	Implemented
RW-CW-45	Future	Implemented
RW-CW-45	Existing	In progress/some progress made
RW-CW-46	Future	Implemented
RW-CW-46	Existing	In progress/some progress made
RW-CW-47	Future	In progress/some progress made
RW-CW-48 (a)	Existing	Implemented
RW-CW-48 (b)	Future and Existing	Implemented
RW-CW-50	Future	Implemented
RW-CW-50	Existing	In progress/some progress made
RW-CW-51	Future	Implemented
RW-CW-51	Existing	In progress/some progress made
RW-CW-52	Existing	Implemented
RW-CW-53	Future and Existing	Implemented
RW-CW-54	Future	Implemented
RW-CW-54	Existing	In progress/some progress made
RW-CW-55	Future	Implemented
RW-CW-55	Existing	In progress/some progress made
RW-CW-55.1	Existing	Implemented
RW-CW-56	Future	Implemented

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Policy Number	Threat Type	Implementation Status
RW-CW-56	Existing	Implemented
RW-CW-57	Future	Implemented
RW-CW-57	Existing	In progress/some progress made
RW-CW-58	Future	Implemented
RW-CW-58	Existing	In progress/some progress made
RW-CW-59	Existing	Implemented
RW-CW-60	Future and Existing	Implemented
RW-CW-62	Future and Existing	In progress/some progress made
RW-CW-63	Future and Existing	In progress/some progress made
RW-CW-64	Future	In progress/some progress made
RW-CW-64	Future	In progress/some progress made
RW-CW-68	Future	No response required/not applicable
RW-CW-68	Future	No progress made

Section 2: Annual Reporting Questions

A number of additional questions are required to be answered depending on the implementation status response in Table 1.1. The specific questions and answers that apply to the Region of Waterloo are provided below.

Table 2.1 – Annual Reporting Questions and Responses

Report ID	Question Details	Response
16	If the implementation statuses "no progress made" or "no information available/no response received" were chosen for any policy(ies) in Section 2 (as summarized in Table 1.1), please list the policy(ies) number, explain why no progress was made or no information was available, and outline next steps to support implementation.	RW-CW-20.1 - The Region of Waterloo has not prioritized storm water incentives due to a lack of eligible properties. The Region will continue to evaluate the requirement of an incentive program and will implement one as warranted. RW-MC-68 - Region staff will not review or amend Official Plan policies for water taking in the WHPA-Q as the Region has been identified as an upper-tier municipality without planning responsibilities through Ontario Bill 23 and the Region Official Plan is no longer in effect.
200 (5236)	State the number of risk management plans agreed to under subsection 58(5) of the Act within your area to address existing and future threats in this reporting period (i.e. ANNUAL). Note – this number does not include Risk Management Plan replacements or amendments.	86

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Report ID	Question Details	Response
210 (5235)	State the number of risk management plans established under subsection 58(10) or (12) of the Act within your area to address existing and future threats in this reporting period (i.e. ANNUAL).	0
220 (5239)	For each RMP agreed to by the RMO for this reporting period (under subsection 56 (1) or 58 (5) of the Act), and established by the RMO for this reporting period (under subsection 56 (6), 58 (10) or (12) of the Act), please list the RMP number, the location of the property to which the RMP relates, the type of Protection Zones(s) (e.g., WHPA, IPZ) where the property is located, and the activity(ies) to which the RMP relates.	See Table 2.2 – Risk Management Plan Summary
300 (5379)	State the number of properties (i.e., parcels) with risk management plans agreed to or established for this reporting period (i.e. ANNUAL). Note – this number does not include Risk Management Plan replacements or amendments.	136
400 (5238)	State the number of existing* significant drinking water threats that have been managed through agreed to or established risk management plans in this reporting period (i.e. ANNUAL).	86
500 (5380)	State the number of CUMULATIVE risk management plans in effect, as of the end of the reporting year.	415

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Report ID	Question Details	Response
600 (5315)	State the number of RMPs the RMO refuses to agree to or to establish under subsection 56(9), 58(15) or (16) of the Act during the reporting period (i.e. ANNUAL).	0
610 (5353)	For each RMP that the RMO refused to agree to or establish during the reporting period, please list the location of the property, the type of Protection Zone (e.g., WHPA-IPZ) where the property is located, the activity(ies) to which the RMP relates, and a brief description of the reason for the refusal.	Not applicable
700 (5253)	State the total number of orders issued for contraventions and/or non-compliance found with section 57, in this reporting period (i.e. ANNUAL).	0
710 (5254)	State the total number of orders issued for contraventions and/or non-compliance found with section 58 in this reporting period (i.e. ANNUAL).	0
720 (5354)	For each order issued during this reporting period, please list the order number, the location of the property to which the order relates, the type of Protection Zone (e.g., WHPA-IPZ) where the property is located, the activity(ies) to which the order relates, and a brief description of the circumstances related to the order.	Not applicable
800 (5316)	State the number of notices the risk management official received under subsections 61(2) and (7), in this reporting period (i.e. ANNUAL).	0

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Report ID	Question Details	Response
810 (5363)	State the number of notices given by the risk management official to a person, as it applies to subsection 61(10), in this reporting period (i.e. ANNUAL).	0
820 (5356)	For each notice given or received during the reporting period, (under subsections 61 (2), (7) and (10)) please list the notice number, whether the RMO received/gave the notice, the location of the property to which the notice relates, the type of Protection Zone (e.g., WHPA-IPZ) where the property is located, the activity(ies) to which the notice relates, and the type of Prescribed Instrument (if any) referred to in the notice.	Not applicable
910 (5247)	State the number of inspections including any follow-up site visits that were carried out for activities that require a risk management plan under section 58 of the Act, in this reporting period (i.e. ANNUAL). If no inspections were conducted in the previous calendar year, please explain in the comments field. Note – this number does not include winter maintenance consultations conducted by external consulting staff.	68 See Table 2.3 – Inspection Summary

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Report ID	Question Details	Response
920 (5250)	Among the inspections conducted for section 58, how many were in contravention with section 58 of the Act, in this reporting period (i.e. ANNUAL)? If none, please enter "0". Please do not count cases where the risk management official has not yet been in contact with the appropriate individual and therefore the person may be unaware that the activity occurring on the property is regulated.	0
930 (5248)	Among the inspections for section 58, how many were in non-compliance with the specific contents of the risk management plan in this reporting period (i.e. ANNUAL)?	0
1000 (5242)	State the number of inspections including any follow-up site visits that were carried out for existing or future activities that are prohibited under section 57 of the Clean Water Act, in this reporting period (i.e. ANNUAL).	0
1010 (5244)	Among the inspections conducted for section 57, how many were in contravention with section 57 of the Act, in this reporting period (i.e. ANNUAL)? If none, please enter "0". Please do not count cases where the risk management official has not yet been in contact with the appropriate individual and therefore the person may be unaware that the activity occurring on the property is prohibited.	0

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Report ID	Question Details	Response
1020 (5245)	State the number of properties identified with section 57 prohibited activities in this reporting period (i.e. ANNUAL). If none, please enter "0". Do not include properties established outside of this reporting year.	0
1030 (5246)	State the number of existing significant drinking water threats that have been prohibited as a result of section 57 prohibitions in this reporting period (i.e. ANNUAL).	0
1100 (5317)	State the number of risk assessments submitted under section 60 of the Act, in this reporting period (i.e. ANNUAL).	0
1110 (5360)	State the number of risk assessments accepted under section 60 of the Act, in this reporting period (i.e. ANNUAL).	0
1120 (5361)	State the number of risk assessments that were not accepted under section 60 of the Act, in this reporting period (i.e. ANNUAL).	0
1130 (5362)	For each risk assessment submitted during this reporting period, please list the risk assessment number, the location of the property to which the order relates, the type of Protection Zone (e.g., WHPA-IPZ) where the property is located, and the activity(ies) to which the risk assessment relates.	Not applicable
1200 (5318)	State the number of times the risk management official caused a thing to be done under section 64 of the Act, in this reporting period (i.e. ANNUAL).	0

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Report ID	Question Details	Response
1210 (5358)	For each thing (under s.64) during this reporting period, please list the notice number, the location of the property to which the thing relates, the type of Protection Zone (e.g., WHPA-IPZ) where the property is located, and the activity(ies) to which the notice under s.64 relates.	Not applicable
1300 (5277)	State the total number of prosecutions initiated under section 106 of the Act, in this reporting period (i.e. ANNUAL).	0
1310 (5359)	Among the prosecutions initiated under section 106 of the Act, how many resulted in a conviction?	0
1400 (5240)	State the number of section 59 notices issued in this reporting period (i.e. ANNUAL) for activities to which neither a prohibition (s. 57) nor a risk management plan (s. 58) policy applied.	673
1410 (5241)	State the number of section 59 notices issued in this reporting period (i.e. ANNUAL) for activities to which a risk management plan (section 58) policy applied.	70
200 (5313)	Has the municipality completed or is in the process of completing amendments to its Official Plan (OP) to conform with the latest Source Protection Plan (SPP) and their policies by the due date specified in the plan?	See Table 2.4 – Conformity Status

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Report ID	Question Details	Response
210 (5314)	Has the municipality completed or is in the process of completing amendments to its Zoning By-Law to conform with the latest Source Protection Plan (SPP) and their policies by the due date specified in the plan?	See Table 2.4 – Conformity Status
300 (5287)	State the CUMULATIVE number of source water protection signs installed on municipal roads in your area.	140
310 (5288)	State the CUMULATIVE number of source water protection signs installed at other locations (e.g. boat launches, trails, etc.), if applicable, in your area.	0
400 (5289)	State the current CUMULATIVE number of on-site sewage systems that are assessed as significant drinking water threat (SDWT) activities and that are required to be inspected in accordance with the Ontario Building Code.	See Table 2.5 – Septic Inspection Summary
410 (5291)	State the number of SDWT on-site sewage system inspections completed in this reporting period (i.e. ANNUAL).	See Table 2.5 – Septic Inspection Summary
420 (5292)	State the number of SDWT on-site sewage systems that are due (5-year inspection cycle) to be inspected in this reporting period that were not completed (i.e. ANNUAL).	See Table 2.5 – Septic Inspection Summary
430 (5293)	For those SDWT on-site sewage systems that are now out of compliance in this reporting period, please indicate why they were not inspected.	See Table 2.5 – Septic Inspection Summary

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Report ID	Question Details	Response
440 (5296)	State the number of SDWT on-site sewage systems inspected in this reporting period (i.e. ANNUAL) that required remedial actions (i.e. minor and major maintenance or replacements).	See Table 2.5 – Septic Inspection Summary
500 (5298)	If applicable, report on the current status (as of previous year) of Issues identified in your reporting area. Begin by identifying the drinking water system(s) and any associated drinking water issue(s)/parameter(s) (chemical or pathogen) that have been identified, then indicate whether an Issue Contributing Area (ICA) was delineated for the identified issue(s), and any observations in the concentration or trend for each issue.	See Table 2.6 - Issue Contributing Area Summary

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Report ID	Question Details	Response
1600 (5319)	Indicate which of the listed Significant Drinking Water Threats (SDWTs) were being engaged in (enumerated as existing significant threats) at the time of plan approval. Then, using the formula for the running tally of enumerated threats as explained below, complete the cells with the information for each SDWT indicated as existing in the source protection area. The running tally consists of the formula: $A+B-C-D$ where: A = Estimate of SDWTs engaged in/enumerated when latest source protection plan approved; B = Additional SDWTs identified after latest source protection plan approved as a result of field verification (i.e., not part of "A" estimate); C = SDWTs included in enumeration estimates at time of latest plan approval but subsequently determined through field verification that: (i) it was not actually engaged in at a particular location after all OR (ii) it was no longer engaged in (e.g., land may still have an agricultural operation but owner no longer applying pesticides for their own reasons); and D = SDWTs (from category A or B) that have been addressed because a policy(ies) have been implemented.	See Table 2.7 – Significant Drinking Water Threats Summary

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Table 2.2 - Risk Management Plan Summary

RMP Number	Protection Zone	Activities
10240-01	WHPA	Application of road salt
10241-01	WHPA	Application of road salt
10242-01	WHPA	Application of road salt/Storage of hazardous waste
00268-01	WHPA	Application of road salt
00266-01	WHPA	Application of road salt/Discharge from a storm water management facility
00270-01	WHPA	Application of road salt
00269-01	WHPA	Application of road salt
00271-01	WHPA	Application of road salt
00272-01	WHPA	Application of road salt/Discharge from a storm water management facility
00259-01	WHPA	Application of road salt
10411-01	WHPA	Application of road salt
00274-01	WHPA	Application of road salt/Discharge from a storm water management facility/Storage of fuel
00275-01	WHPA	Application of road salt
10420-01	WHPA	Application of road salt
00255-01	WHPA	Application of road salt
10356-01	WHPA	Application of road salt
10313-01	WHPA	Application of road salt
10310-01	WHPA	Application of road salt

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RMP Number	Protection Zone	Activities
10413-01	WHPA	Application of road salt
10440-01	WHPA	Application of road salt
10376-01	WHPA	Application of road salt
10431-01	WHPA	Application of road salt
10432-01	WHPA	Application of road salt
10433-01	WHPA	Application of road salt
00282-01	WHPA	Application of road salt
00284-01	WHPA	Application of road salt/Discharge from a storm water management facility
00281-01	WHPA	Application of road salt
00286-01	WHPA	Application of road salt
00285-01	WHPA	Application of road salt/Discharge from a storm water management facility
10459-01	WHPA	Application of road salt
10429-01	WHPA	Application of road salt
00290-01	WHPA	Application of road salt
10463-01	WHPA	Application of road salt
10414-01	WHPA	Application of road salt
00292-01	WHPA	Application of road salt
00291-01	WHPA	Application of road salt
00289-01	WHPA	Application of road salt/Discharge from a storm water management facility
00294-01	WHPA	Application of road salt

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RMP Number	Protection Zone	Activities
00261-01	WHPA	Application of road salt/Discharge from a storm water management facility
10483-01	WHPA	Application of road salt
10479-01	WHPA	Application of road salt
10447-01	WHPA	Application of road salt
10461-01	WHPA	Application of road salt
10452-01	WHPA	Application of road salt/Storage of road salt
00296-01	WHPA	Application of road salt
10489-01	WHPA	Application of road salt
10421-01	WHPA	Application of road salt
00287-01	WHPA	Application of road salt
00298-01	WHPA	Application of road salt
10498-01	WHPA	Application of road salt
10495-01	WHPA	Application of road salt
10500-01	WHPA	Application of road salt
00265-01	WHPA	Application of road salt
10496-01	WHPA	Application of road salt/Storage of road salt
10467-01	WHPA	Application of road salt
10471-01	WHPA	Application of road salt
00300-01	WHPA	Application of road salt
10462-01	WHPA	Application of road salt
10437-01	WHPA	Application of road salt

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RMP Number	Protection Zone	Activities
00278-01	WHPA	Application of road salt/Discharge from a storm water management facility
10501-01	WHPA	Application of road salt
00257-01	WHPA	Application of road salt/Discharge from a storm water management facility
10453-01	WHPA	Application of road salt
00303-01	WHPA	Application of road salt
10441-01	WHPA	Application of road salt
10511-01	WHPA	Application of road salt
10502-01	WHPA	Application of road salt
00306-01	WHPA	Application of road salt/Discharge from a storm water management facility
00301-01	WHPA	Application of road salt
10510-01	WHPA	Application of road salt/Storage of road salt
10514-01	WHPA	Application of road salt
10484-01	WHPA	Application of road salt
10517-01	WHPA	Application of road salt
10518-01	WHPA	Application of road salt
10523-01	WHPA	Application of road salt
00305-01	WHPA	Application of road salt/Discharge from a storm water management facility
00304-01	WHPA	Application of road salt/Discharge from a storm water management facility

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RMP Number	Protection Zone	Activities
10438-01	WHPA	Application of road salt
10516-01	WHPA	Application of road salt
10512-01	WHPA	Application of road salt
10533-01	WHPA	Application of road salt
10532-01	WHPA	Application of road salt
10521-01	WHPA	Application of road salt/Storage of road salt
10540-01	WHPA	Application of road salt/Discharge from a storm water management facility
10526-01	WHPA	Application of road salt

Table 2.3 - Inspection Summary

Inspection Number	Activities
12632-2025	Application of road salt
12636-2025	Application of road salt/Discharge from a storm water management facility
12639-2025	Application of road salt
12640-2025	Application of road salt
12641-2025	Application of road salt/Storage of road salt
12642-2025	Application of road salt/Storage of road salt
12643-2025	Application of road salt/Storage of road salt
12645-2025	Application of road salt/Storage of road salt
12658-2025	Application of road salt
12669-2025	Application of road salt

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Inspection Number	Activities
12671-2025	Application of road salt
12674-2025	Application of road salt
12694-2025	Application of road salt
12698-2025	Application of road salt
12818-2025	Application of road salt
12828-2025	Application of road salt
12829-2025	Application of road salt
12830-2025	Application of road salt
12831-2025	Application of road salt
12832-2025	Application of road salt
12837-2025	Application of road salt
12936-2025	Application of road salt/Discharge from a storm water management facility
12937-2025	Application of road salt/Storage of road salt
12938-2025	Application of road salt
12939-2025	Application of road salt
12940-2025	Application of road salt
12941-2025	Application of road salt
12943-2025	Application of road salt
12990-2025	Application of road salt
12996-2025	Application of road salt
13086-2025	Application of road salt

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Inspection Number	Activities
13087-2025	Application of road salt
13088-2025	Application of road salt
13093-2025	Application of road salt
13285-2025	Application of road salt
13371-2025	Application of road salt
13438-2025	Application of road salt
13513-2025	Application of road salt
13527-2025	Application of road salt
13531-2025	Application of road salt
13535-2025	Application of road salt
13587-2025	Application of road salt
13616-2025	Application of road salt
13725-2025	Application of road salt
13753-2025	Application of road salt
13901-2025	Application of road salt
13907-2025	Application of road salt
13915-2025	Application of road salt
13934-2025	Application of road salt/Storage of road salt
14051-2025	Application of road salt
14075-2025	Application of road salt
14080-2025	Application of road salt

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Inspection Number	Activities
14278-2025	Application of road salt
14279-2025	Application of road salt
14281-2025	Application of road salt
14282-2025	Application of road salt
14283-2025	Application of road salt
14284-2025	Application of road salt
14295-2025	Application of road salt
14296-2025	Application of road salt
14297-2025	Application of road salt
14298-2025	Application of road salt
14299-2025	Application of road salt
14319-2025	Application of road salt
14320-2025	Application of road salt
14325-2025	Application of road salt
14452-2025	Application of road salt
14493-2025	Application of road salt

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Table 2.4 - Conformity Status

Municipality	Official Plan Status	Zoning By-Law Status
City of Cambridge	Not started	Not started
City of Kitchener	In Progress/Updates Underway	Needs updating to reflect amended SPP
Township of North Dumfries	Not started	Not started
City of Waterloo	In Progress/Updates Underway	Not started
Township of Wellesley	In Progress/Updates Underway	Needs updating to reflect amended SPP
Township of Wilmot	In Progress/Updates Underway	Not started
Township of Woolwich	Not started	In progress

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Table 2.5 – Septic Inspection Summary

Municipality	Q400	Q410	Q420	Q430	Q440
City of Cambridge	117	3	1	Other: vacant house	2
City of Kitchener	19	13	0	Not applicable	0
Township of North Dumfries	41	1	1	Other: working with landowner	0
City of Waterloo	0	0	0	Not applicable	0
Township of Wellesley	63	58	0	Not applicable	0
Township of Wilmot	466	242	1	Landowner refused entry, compliance order being sought.	1
Township of Woolwich	57	0	0	Not applicable	0

Table 2.7 - Issue Contributing Area Summary

Drinking Water System (Well Field)	Well / Intake	Drinking Water Issue	ICA Delineated?	Temporal Observations
Branchton Meadows	BM2	Chloride	Yes	Increasing Concentration / Trend
Branchton Meadows	BM1	Chloride	Yes	Decommissioned: No Observation

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Drinking Water System (Well Field)	Well / Intake	Drinking Water Issue	ICA Delineated?	Temporal Observations
Elgin Street	G9	Chloride	Yes	Increasing Concentration / Trend
Elgin Street	G9	Sodium	Yes	Increasing Concentration / Trend
Elgin Street	G9	Trichloroethylene	Yes	No Change in Concentration / Trend
Greenbrook	K1A, K2A, K4C, K5A, K8	Chloride	Yes	Increasing Concentration / Trend
Greenbrook	K1A, K2A, K4C, K5A	Sodium	Yes	Increasing Concentration / Trend
Greenbrook	K8	Sodium	Yes	No Change in Concentration / Trend
Greenbrook	K4B	Chloride, Sodium	Yes	Decommissioned: No Observation
Hespeler	H4A	Chloride	Yes	Increasing Concentration / Trend
Hespeler	H3, H3A	Chloride	Yes	No Change in Concentration / Trend

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Drinking Water System (Well Field)	Well / Intake	Drinking Water Issue	ICA Delineated?	Temporal Observations
Mannheim West	K23, K24, K26	Nitrate	Yes	Decreasing Concentration / Trend
Middleton Street	G1, G1A, G2, G3, G14	Chloride	Yes	Increasing Concentration / Trend
Middleton Street	G1, G1A, G2, G3, G14	Sodium	Yes	Increasing Concentration / Trend
Middleton Street	G1, G1A, G2, G3, G14	Trichloroethylene	Yes	Decreasing Concentration / Trend
Parkway	K31, K32, K33	Chloride	Yes	Increasing Concentration / Trend
Parkway	K31, K32, K33	Sodium	Yes	Increasing Concentration / Trend
Parkway	K32	Trichloroethylene	Yes	No Change in Concentration / Trend
Pinebush	G5	Chloride	Yes	No Change in Concentration / Trend
Pinebush	G5	Sodium	Yes	No Change in Concentration / Trend

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Drinking Water System (Well Field)	Well / Intake	Drinking Water Issue	ICA Delineated?	Temporal Observations
Rahmans (Pinebush)	P9	Chloride	Yes	Increasing Concentration / Trend
Rahmans (Pinebush)	P15	Chloride	Yes	Decommissioned: No Observation
Strange Street	K10A	Chloride	Yes	Increasing Concentration / Trend
Strange Street	K10A	Sodium	Yes	Increasing Concentration / Trend
William Street	W1B, W1C, W2B, W2C	Chloride	Yes	Increasing Concentration / Trend
William Street	W1B, W1C, W2B, W2C	Sodium	Yes	Increasing Concentration / Trend
William Street	W1B, W1C, W2B, W2C	Trichloroethylene	Yes	No Change in Concentration / Trend
William Street	W2	Chloride, Sodium, Trichloroethylene	Yes	Decommissioned: No Observation
Wilmot Centre	K50, K51, K52	Nitrate	Yes	Decreasing Concentration / Trend

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Table 2.6 – Significant Drinking Water Threats Summary

Threat ID	Threat	A	B	C	D	Total
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	43	3	17	5	24
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	1106	102	111	777	320
3	The application of agricultural source material to land.	91	0	29	8	54
4	The storage of agricultural source material.	74	0	30	1	43
5	The management of agricultural source material.	0	0	0	0	0
6	The application of non-agricultural source material to land.	5	0	3	0	2
7	The handling and storage of non-agricultural source material.	8	2	5	0	5
8	The application of commercial fertilizer to land.	107	0	21	8	78
9	The handling and storage of commercial fertilizer.	64	0	23	0	41
10	The application of pesticide to land.	57	0	9	3	45

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Threat ID	Threat	A	B	C	D	Total
11	The handling and storage of pesticide.	42	0	26	0	16
12	The application of road salt.	3212	725	405	341	3191
13	The handling and storage of road salt.	511	245	90	23	643
14	The storage of snow.	39	0	15	0	24
15	The handling and storage of fuel.	53	9	28	3	31
16	The handling and storage of a dense non-aqueous phase liquid.	39	14	18	5	30
17	The handling and storage of an organic solvent.	20	2	7	0	15
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0	0
20	Reducing recharge of an aquifer	0	0	0	0	0
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	65	0	28	0	37

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Threat ID	Threat	A	B	C	D	Total
22	The establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0	0
1000	Water conditioning salts from water softeners	0	0	0	0	0
1001	Transportation of specified substances along corridors	0	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	0	0	0	0	0
1003	Handling storage of fuel	0	0	0	0	0
1004	Transportation, storage and handling of diesel/gasoline	0	0	0	0	0
1005	Transportation of Agricultural and Non-Agricultural Source Materials	0	0	0	0	0
1006	International Shipping Channel within IPZ2	0	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0	0
1009	Waterfowl	0	0	0	0	0
1010	Local condition	0	0	0	0	0
-----	Totals	5536	1102	865	1174	4599