Grand River Source Protection Area

SOURCE PROTECTION PLAN VOLUME II

Chapter 14: County of Brant

Version 10.1

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14.0 COUNTY OF BRANT SOURCE PROTECTION PLAN POLICIES

The following County of Brant Source Protection Plan policies apply to the water supply systems located within the County of Brant and to water systems originating from other jurisdictions including that of the City of Brantford and Ohsweken (off-reserve), as presented in the schedules to this chapter.

When interpreting policies in this chapter, circumstances under the 2021 Technical Rules should be used for the County of Brant Water Supply Systems (Paris, St. George, Airport, Mount Pleasant) and the City of Brantford's IPZ, where it extends into the County of Brant. Circumstances under the 2017 Technical Rules shall apply to the Ohsweken IPZ, where it extends into the County of Brant.

14.1 Definitions

General definitions are provided in Volume I of the Source Protection Plan or in the *Clean Water Act, 2006.* Defined terms are intended to capture both the singular and plural forms of these terms.

The following definitions apply specifically to the County of Brant Source Protection Policies and are capitalized in the policy text.

County – means the Corporation of the County of Brant.

Existing – means a use or activity at a location in a vulnerable area that is in compliance with all applicable regulations on or prior to the effective date of the Source Protection Plan.

New or Future – means a use or activity that takes place at a location in a vulnerable area after the Source Protection Plan takes effect where such use or activity is not existing as defined in this Plan.

14.2 General Policies

Policy Identifier	Implementation and Timing Policies
BC-CW-1.1.1 Implementation & Timing	This source protection plan came into effect on July 1, 2016, the effective date specified in the Notice of Approval posted on the Environmental Bill of Rights Registry. Amendments to the Source Protection Plan are permitted in accordance with the Clean *Water Act, 2006,* and the General Regulations. The effective date for amended policies, only including but not limited to the addition of new drinking water threats and regulated areas and activities, is the date of posting of the Notice of Approval of the amendment provisions on the Environmental Bill of Rights Registry.
BC-CW-1.1.2	Except as set out below, the policies contained in this Source Protection Plan shall come into effect on the date set out by the Minister.

Policy Identifier	Implementation and Timing Policies
Implementation & Timing	a. For Section 57 of the *Clean Water Act*, *2006,* if an activity was engaged in at a particular location before the relevant policies within this Source Protection Plan took effect, policies regarding prohibited activities do not apply to a person who engages in the activity at that location until 180 days from the date the Source Protection Plan comes into effect; b. For Section 58 of the *Clean Water Act*, *2006,* if an activity was engaged in at a particular location before the relevant policies within this Source Protection Plan or amendment took effect and the Risk Management Official gives notice to a person who is engaged in the activity at that location that, in the opinion of the Risk Management Official, policies regarding regulated activities apply to the person who engages in the activity at that location on and after a date specified in the notice that is at least 120 days after the date the notice is given; c. For Section 59 of the *Clean Water Act*, *2006,* policies regarding restricted land uses shall come into effect the same day the relevant policies within the Source Protection Plan comes into effect; d. Where the Source Protection Policies require the County and/or the Source Protection Authority to develop and implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat, such programs shall be developed and implemented within five (5) years from the date the relevant policies within the Source Protection Plan comes into effect; e. For Sections 43 of the *Clean Water Act, 2006*, if an activity was engaged in at a particular location immediately before the relevant policies within this Source Protection Plan took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan or amendment comes into effect; f. For Section 40 and 42 of the *Clean Water Act*, *2006,* the Official Plan must be amended and adopted by council to conform with the significant threat policies within five (5) years from the date the relevant policies within the Source Protection Plan comes into effect or the next Official Plan review required under Section 26 of the *Planning Act, 1990* and the Zoning By-law within two (2) years from adoption of the Official Plan conformity amendment.

Policy Identifier	Transition Policies
BC-CW-1.2	Despite the definition of Existing, for the purposes of this Plan, where one or more of the following:

Policy Identifier	Transition Policies
Transition	a. A complete application for development under the *Planning Act, 1990 or Condominium Act, 1998*; b. An application for Environmental Compliance Approval; or c. An application for a Building Permit; has been received by the applicable implementing body prior to the date this Source Protection Plan takes effect a related significant drinking water threat shall be permitted subject to the policies pertaining to existing significant drinking water threats. Where the above noted applications have lapsed or been withdrawn, the above noted transition policies shall no longer apply.

Policy Identifier	Uses and Areas Designated as Restricted Land Uses Policies
BC-CW-1.3 Part IV-RLU	In accordance with Section 59 of the *Clean Water Act*, *2006,* all land uses, except solely residential uses, where significant drinking water threat activities have been designated for the purpose of Section 57 or Section 58 of the *Clean Water Act, 2006*, are hereby designated as Restricted Land Uses and a written notice from the Risk Management Official is required prior to approval of any Building Permit, *Planning Act, 1990 or Condominium Act, 1998* application. Despite the above policy, a site specific proposed land use that is the subject of an application for an approval under the *Planning Act* (as prescribed in O. Reg. 287/07 Section 62), or for a permit under the *Building Code Act*, is not designated for the purpose of Section 59 if the applicant can demonstrate to the satisfaction of the planning authority or the building official, as the case may be, that a significant drinking water threat activity designated for the purposes of Section 57 or 58 will not be engaged in.

Policy Identifier	Official Plan and Zoning By Law Amendment(s) Policies
BC-MC-1.4 Future Land Use Planning	The County shall amend their Official Plan and Zoning By-Laws to: a. Identify the vulnerable areas in which drinking water threats prescribed under the *Clean Water Act, 2006* would be significant; b. Indicate that within the areas identified, any use or activity that is, or would be, a significant drinking water threat is required to conform with all applicable Source Protection Plan policies and, as such, may be prohibited, restricted or otherwise regulated by those policies as regulated by the Source Protection Plan; and c. Incorporate any other amendments required to conform with the threat specific land use policies identified in this Source Protection Plan.

Policy Identifier	Education and Outreach Program Policies
BC-CW-1.5 Existing/Future Education & Outreach	The County, in collaboration with Conservation Authorities and other bodies wherever possible, may develop and implement education and outreach programs directed at any, or all, significant drinking water threats where such programs are deemed necessary and/or appropriate by the County. Such programs may include, but not necessarily be limited to, increasing awareness and understanding of significant drinking water threats and promotion of best management practices.

Policy Identifier	Incentive Program Policies
BC-CW-1.6 Existing/Future Incentive	The County, in collaboration with other bodies and levels of government wherever possible, may develop and implement incentive programs directed at various significant drinking water threats where such programs are deemed necessary and/or appropriate by the County, subject to available funding.
BC-NB-1.7 Existing/Future Incentive	The Ministry of the Environment, Conservation and Parks and other provincial ministries shall consider providing continued funding and support for incentive programs to protect existing and future drinking water sources and address significant drinking water threats, such as the Ontario Drinking Water Stewardship Program and Rural Water Quality Program.
BC-NB-1.8 Existing Incentive	To reduce the risks to drinking water from an existing activity, where this activity is a significant drinking water threat, the Grand River Conservation Authority, in consultation with the County, will deliver available cost share incentive programs as long as the Grand River Conservation Authority has such programs and outreach staff available, and work with affected land owners to implement best management practices for the following activities: a. The application of agricultural source material to land; b. The storage of agricultural source material; and c. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard.

Policy Identifier	Annual Reporting Policies
BC-CW-1.9 Monitoring	The County shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken to implement the Source Protection Plan Policies. Where the County is required to implement education and outreach programs as the primary means of managing the risk associated with significant drinking water threats, the report must indicate, at minimum, the properties where these programs were implemented and additional details on how the significant drinking water threat was managed and/or ceased to be significant.
BC-CW-1.10 Monitoring	Where the County is required to amend their Official Plan and/or Zoning By-law to bring their planning documents into conformity with the Source Protection Plan, the County shall provide proof of compliance to the Source Protection Authority and shall provide a copy of such compliance within 30 days of the amendment(s) coming into effect or, where the matter has been appealed to the Ontario Municipal Board, the date of their decision to approve.
BC-CW-1.11 Monitoring	The Risk Management Official shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken by the Risk Management Official to implement the Source Protection Plan policies, in accordance with the *Clean Water Act, 2006* and associated regulations.
BC-CW-1.12 Monitoring	Where the Source Protection Plan policies may result in amendments to Prescribed Instruments or the issuance of a new Prescribed Instrument, the applicable ministry shall provide a summary of any actions taken the previous year to implement the policies and provide a written report summarizing this information to the Source Protection Authority by February 1st of each year.
BC-CW-1.13 Monitoring	Where the Source Protection Plan policies prohibit an activity that results in a denial of a Prescribed Instrument, the applicable ministry shall summarize the actions taken the previous year to implement the policies and provide a written report summarizing this information to the Source Protection Authority by February 1st of each year.

Policy Identifier	Conditions Policies
BC-MC-1.16 Existing Prescribed Instrument WHPA- B	To address conditions resulting from past activities that are significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall: a. Ensure that all Prescribed Instruments issued for Condition Sites include terms and conditions, as appropriate, to ensure that the risk to drinking water sources is managed. Appropriate conditions may include requirements for source control, remediation to

Policy Identifier	Conditions Policies
Condition Sites Identified	provincial standards, monitoring and Contaminant Management Plans; b. Ensure that Prescribed Instruments include a condition requiring the instrument holder to report on the actions taken and the status of the site to the Ministry of the Environment, Conservation and Parks, Source Protection Authority and the municipality on an annual basis; and c. Provide to the County of Brant a copy of the new or revised Prescribed Instrument.
BC-MC-1.17 Future Land Use Planning WHPA-B Condition Sites Identified	To address Conditions sites that are significant drinking water threats resulting from past activities, the County shall amend their Official Plan to require that as a component of a complete application under the *Planning Act, 1990*, the completion of the contaminated sites protocol is required, inclusive of the requirement that a record of site condition is to be provided as appropriate.
BC-CW-1.18 Existing Specify Action Education & Outreach Condition Sites Identified	To address Conditions resulting from past activities that are significant drinking water threats, the County shall: a. Continue to support environmental investigation, remediation and redevelopment through the incentives provided through the Community Improvement Plans; and b. Implement an education program on drinking water issues associated with contaminated sites including the protection of drinking water sources and the use of the Record of Site Condition process as a best management practice to address Condition sites.

Policy Identifier	Strategic Action Policies: Spill Prevention, Spill Contingency or Emergency Response Plans
BC-NB-1.19 Future Specify Action	To ensure spill prevention plans, contingency plans, and emergency response plans are updated for the purpose of protecting drinking water sources with respect to spills that occur within a WHPA or IPZ along highways, or railway lines: a. The County is requested to incorporate the location of WHPAs and IPZs into their emergency response plans in order to protect drinking water sources when a spill occurs along highways or rail lines; and b. The Ministry of the Environment, Conservation and Parks is requested to provide mapping of the identified vulnerable areas

Policy Identifier	Strategic Action Policies: Spill Prevention, Spill Contingency or Emergency Response Plans
	to assist the Spills Action Centre in responding to reported spills along transportation corridors.

Policy Identifier	Strategic Action Policies: Transport Pathways
BC-NB-1.20 Existing/Future Specify Action	To achieve the intent of the *Clean Water Act, 2006*, the County is requested to support ongoing programs, which encourage the decommissioning of abandoned wells as per O. Reg. 903, within all vulnerable areas where there is or would be a significant drinking water threat.

Policy Identifier	Interpretation Policies
BC-CW-1.21 Interpretation of Source Protection Plan	The Source Protection Plan provides policies to meet the objectives of the *Clean Water Act, 2006*. The Source Protection Plan consists of the written policy text and Schedules. a. The Schedules in the Source Protection Plan identify the areas where the policies of the Source Protection Plan apply. The boundaries for the circumstances shown on the Plan Schedules are general. More detailed interpretation of the boundaries relies on the mapping in the approved Assessment Report and the Specific Circumstances found in the Tables of Drinking Water Threats, *Clean Water Act, 2006*. b. Where any Act or portion of an Act of the Ontario Government or Canadian Government is referenced in this Plan, such reference shall be interpreted to refer to any subsequent renaming of sections in the Act as well as any subsequent amendments to the Act, or successor thereof. This provision is also applicable to any policy statement, regulation or guideline issued by the Province or the municipality.

14.3 Policies Addressing Prescribed Drinking Water Threats

Threat 1.0 – The Establishment, Operation or Maintenance of a Waste Disposal Site within the meaning of Part V of the Environmental Protection Act

Policy Identifier	1.1 – Disposal of hauled sewage to land 1.2 – Application of processed organic waste to land 1.3 – Landfarming of petroleum refining waste 1.4 – Landfilling (hazardous waste or liquid industrial waste) 1.5 – Landfilling (municipal waste) 1.6 – Liquid industrial waste injection into a well 1.7 – PCB waste storage 1.8 – Storage of hauled sewage 1.9 – Storage of processed organic waste or waste biomass 1.10 – Transfer/processing sites approved to receive hazardous waste or liquid industrial waste 1.11 – Transfer/processing sites approve to receive only municipal waste under Part V of the Environmental Protection Act 1.14 – Storage, treatment and discharge of tailings from mines
BC-MC-2.1 Existing Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10; WHPA-B-v.8; WHPA-C-v.8; IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8; Nitrate WHPA-ICA	To ensure that any Existing waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* subject to an Environmental Compliance Approval, cease to be significant drinking water threats, where these activities are significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall review, and if necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions.
BC-MC-2.3 Future Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10; WHPA-B-v.8; WHPA-C-v.8;	To ensure that any New waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* subject to an Environmental Compliance Approval, never become significant drinking water threats, where these activities would be significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prohibit this activity through the Environmental Compliance Approval process.

Policy Identifier	1.1 – Disposal of hauled sewage to land 1.2 – Application of processed organic waste to land 1.3 – Landfarming of petroleum refining waste 1.4 – Landfilling (hazardous waste or liquid industrial waste) 1.5 – Landfilling (municipal waste) 1.6 – Liquid industrial waste injection into a well 1.7 – PCB waste storage 1.8 – Storage of hauled sewage 1.9 – Storage of processed organic waste or waste biomass 1.10 – Transfer/processing sites approved to receive hazardous waste or liquid industrial waste 1.11 – Transfer/processing sites approve to receive only municipal waste under Part V of the Environmental Protection Act 1.14 – Storage, treatment and discharge of tailings from mines
IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8; Nitrate WHPA-ICA	

Policy Identifier	1.7 – PCB waste storage 1.12 – Storage of subject waste at a waste generation facility: site that requires generator registration under Section 3 of O.Reg. 347 1.13 – Storage of waste at a waste generation facility: site that is exempt or excluded from generator registration requirements
BC-CW-2.2 Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10; Nitrate WHPA-ICA	To ensure that any Existing waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* not subject to an Environmental Compliance Approval, cease to be significant drinking water threats, where these activities are significant drinking water threats, these activities shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.
BC-CW-2.4 Future Part IV-Prohibit	To ensure that any New waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* not subject to an Environmental Compliance Approval in WHPA-A never become significant drinking water threats, where these activities would be significant drinking water threats, this activity shall be designated for

Policy Identifier	1.7 – PCB waste storage 1.12 – Storage of subject waste at a waste generation facility: site that requires generator registration under Section 3 of O.Reg. 347 1.13 – Storage of waste at a waste generation facility: site that is exempt or excluded from generator registration requirements
WHPA-A-v.10	the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.
BC-CW-2.5 Future Part IV-RMP WHPA-B-v.10	To ensure that any New waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* not subject to an Environmental Compliance Approval in WHPA-B with a vulnerability score equal to ten (10) never become significant drinking water threats, where these activities would be significant drinking water threats, these activities shall be designated for the purpose of Section 58 of the Clean Water Act and a Risk Management Plan shall be required. The requirements of the Risk Management Plan may be based on Ministry of the Environment, Conservation and Parks tools and requirements for such activities, as set out in the *Environmental Protection Act, 1990*, but may also include any modifications or additional requirements that are deemed necessary or appropriate by the Risk Management Official.
BC-CW-2.6 Existing/Future Education& Outreach WHPA-A-v.10; WHPA-B-v.10; Nitrate WHPA-ICA	To ensure that any Existing or New waste disposal sites within the meaning of Part V of the *Environmental Protection Act, 1990* not subject to an Environmental Compliance Approval cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the County in collaboration with Conservation Authorities and other bodies wherever possible, shall develop and implement education and outreach programs for such activities that focus on the proper handling, storage and disposal of wastes.

Threat 2.0 – The Establishment, Operation or Maintenance of a System that Collects, Stores, Transmits, Treats, or Disposes of Sewage

Policy Identifier	2.2 – Onsite sewage works
BC-CW-3.1 Existing/Future Specify Action WHPA-A-v.10; WHPA-B-v.10 Nitrate WHPA-ICA	To ensure that any Existing or New onsite sewage works, with a design flow of less than or equal to 10,000 Litres per day and subject to approval under the *Ontario Building Code Act, 1992* or the *Ontario Water Resources Act, 1990*, cease to be or never become significant drinking water threats, where these activities are, or would be, significant drinking water threats, the County shall implement an on-site sewage system maintenance inspection program. Inspections should be prioritized based on the proximity to the drinking water supply.

Policy Identifier	2.2 – Onsite sewage works
Chloride WHPA-ICA	
BC-MC-3.2 Existing/Future Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10 Nitrate WHPA-ICA Chloride WHPA-ICA	To ensure that any Existing or Future onsite sewage works with a design flow of greater than 10,000 Litres per day and regulated under the *Ontario Water Resources Act, 1990* cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prepare or review and, if necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions. The terms and conditions may include, as appropriate, requirements for the proponent/applicant to undertake mandatory monitoring of groundwater impacts, contingencies in the event that drinking water quality is adversely affected, regular and ongoing compliance monitoring, mandatory system inspections at least every five (5) years, and upgrading of these septic systems to current standards, if necessary. In addition, the terms and conditions may include the proponent/applicant to provide annual reporting to the Source Protection Authority and County of any monitoring and inspection programs required and their results.

Policy Identifier	2.8 – Wastewater treatment facilities and associated parts
BC-MC-3.3 Existing/Future Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10; WHPA-B-v.8; WHPA-C-v.8; IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8 Nitrate WHPA-ICA	To ensure that any Existing or New wastewater treatment facilities and associated parts cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prepare or review and, where necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions. The terms and conditions may include, as appropriate, requirements for regular maintenance and inspections conducted by the proponent.

Policy Identifier	2.5 – Wastewater collection facilities and associated parts: sanitary sewers 2.7 – Wastewater collection facilities and associated parts: sewage pumping station or lift station wet well, a holding tank or a tunnel
BC-MC-3.4 Existing/Future Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10 IPZ-2-v.9; Nitrate WHPA-ICA	To ensure that any Existing or New: i. sanitary sewers; or ii. sewage pumping station or lift station wet well, a holding tank or a tunnel cease to be, or never become, significant drinking water threats, where these activities would be significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prepare or review and, where necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions. The terms and conditions may include, as appropriate, requirements for regular maintenance and inspections conducted by the proponent.

Policy Identifier	2.3 – Storm water management facilities and drainage systems: outfall from a storm water management facility or storm water drainage system 2.7 – Storm water management facilities and drainage systems: storm water infiltration facility
BC-MC-3.5 Existing/Future Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8 Nitrate, Sodium and Chloride WHPA-ICA	To ensure that any Existing or New: i. outfall from stormwater management facility or stormwater management drainage system; or ii. stormwater infiltration facility cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prepare or review and, where necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions (for example, regular maintenance).

Policy Identifier	2.6 – Wastewater collection facilities and associated parts: outfall of a combined sewer overflow (CSO), or a sanitary sewer overflow (SSO) from a manhole or wet well
BC-MC-3.6 Existing/Future Prescribed Inst. WHPA-A-v.10 WHPA-B-v.10; IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8	To ensure that any Existing or New outfall from a combined sewer overflow (CSO) or a sanitary sewer overflow (SS) from a manhole or wet well cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prohibit this activity through the Environmental Compliance Approval process.

Policy Identifier	2.1 – Industrial effluent discharges
BC-MC-3.7 Existing/Future Prescribed Inst. WHPA-A-v.10 WHPA-B-v.10 IPZ-2-v.9; IPZ-2-v.8 IPZ-3-v.8	To ensure that any Existing or New industrial effluent discharges cease to be or never become significant drinking water threats, where these activities are, or would be, significant drinking water threats, the Ministry of the Environment, Conservation and Parks shall prepare or review and, where necessary, amend Environmental Compliance Approvals to incorporate appropriate terms and conditions. The terms and conditions may include, as appropriate, requirements for regular maintenance and inspections conducted by the proponent.

Threat 3.0 – The Application of Agricultural Source Material (ASM) to Land

Threat 4.0 – The Storage of Agricultural Source Material (ASM)

Threat 6.0 – The Application of Non-Agricultural Source Material (NASM) to Land

Threat 7.0 – The Handling and Storage of Non-Agricultural Source Material (NASM)

Threat 8.0 – The Application of Commercial Fertilizer to Land

Threat 9.0 – The Handling and Storage of Commercial Fertilizer

Threat 10.0 – The Application of Pesticide to Land

Threat 11.0 – The Handling and Storage of Pesticide

Threat 21.0 – The Use of Land as Livestock Grazing or Pasturing Land, an Outdoor Confinement Area or Farm-Animal Yard

Policy Identifier	**Policy Text** (see subthreat categories listed above)
BC-CW-4.1 a) Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10 b) Existing Part IV – RMP WHPA-B-v.10 Currently does not apply to the application of commercial fertilizer in the Mt. Pleasant and Airport well systems due to the percent managed land and livestock density calculations	a. To ensure that the following Existing activities: i. storage of agricultural source material (not phased-in under the Nutrient Management Act) ii. application of commercial fertilizer iii. handling and storage of commercial fertilizer iv. application of pesticide v. handling and storage of pesticide vi. the use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm animal yard in a WHPA-A or WHPA-B with a vulnerability score equal to ten (10), cease to be significant drinking water threats, where these activities are significant drinking water threats, these activities shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required. b. To ensure that any Existing application of agricultural source material (not phased-in under the *Nutrient Management Act)* in a WHPA-B with a vulnerability score equal to ten (10) ceases to be a significant drinking water threat, where this activity is a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required. The requirements of the Risk Management Plan for the storage of agricultural source material will generally be based on the requirements of a Nutrient Management Plan and/or Strategy under the *Nutrient Management Act, 2002,* but may also include any modifications or additional requirements deemed necessary or appropriate by the Risk Management Official.

Policy Identifier	Policy Text (see subthreat categories listed above)
BC-CW-4.2 Existing/Future Part IV-Prohibit WHPA-A-v.10	To ensure that the following activities: i. Existing or Future application of agricultural source material ii. Future storage of agricultural source material iii. Existing or Future application of non-agricultural source material iv. Existing or Future handling and storage of non-agricultural source material v. Future handling and storage of pesticide vi. Future use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm animal yard in a WHPA-A cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, these activities shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.
BC-CW-4.3 Future Part IV-Prohibit WHPA-B-v.10	To ensure that the following Future activities: i. storage of agricultural source material ii. handling and storage of non-agricultural source material iii. handling and storage of pesticide in a WHPA-B with a vulnerability score equal to ten (10) never become significant drinking water threats, where these activities would be significant drinking water threats, these activities shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.
BC-CW-4.4 Future Part IV-RMP WHPA-A-v.10 This policy does not currently apply to the application of commercial fertilizer due to the percent managed land and livestock density calculations, except where a Nitrate WHPA-ICA exists	To ensure that the following Future activities: i. application of commercial fertilizer ii. handling and storage of commercial fertilizer iii. application of pesticide in WHPA-A never become significant drinking water threats, where these activities would be significant drinking water threats, these activities shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.

Policy Identifier	Policy Text (see subthreat categories listed above)
BC-CW-4.5 Future Part IV-RMP WHPA-B-v.10 Currently does not apply to the application of commercial fertilizer in the Mt. Pleasant and Airport well systems due to the percent managed land and livestock density calculations	To ensure the following Future activities: i. application of agricultural source material (not phased-in under the *Nutrient Management Act, 2002)* ii. application of commercial fertilizer iii. handling and storage of commercial fertilizer iv. application of pesticide v. the use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm animal yard in WHPA-B with a vulnerability score equal to ten (10) never become significant drinking water threats, where these activities would be significant drinking water threats, these activities shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required. The requirements of the Risk Management Plan for the application of agricultural source material will generally be based on the requirements of a Nutrient Management Plan and/or Strategy under the *Nutrient Management Act, 2002* but may also include any modifications or additional requirements deemed necessary or appropriate by the Risk Management Official.
BC-MC-4.6 a) Existing Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10 b) Future Prescribed Inst. WHPA-B-v.10	To ensure that the following activities: a. Existing storage of agricultural source material on lands phased-in under the *Nutrient Management Act, 1990* within a WHPA-A or WHPA-B with a vulnerability score equal to ten (10) b. Future application of agricultural source material on lands phased-in under the *Nutrient Management Act, 2002* within a WHPA-B with a vulnerability score equal to ten (10) cease to be, or never become, significant drinking water threats, the Ministry of Agriculture, Food and Agribusiness shall prepare or review and, where necessary, amend Nutrient Management Plan/Strategies to incorporate appropriate terms and conditions.
BC-CW-4.7 Existing/Future Education & Outreach IPZ-3-v.8 IPZ-2-v.8; IPZ-2-v.9; Nitrate WHPA-ICA v.<10.	To ensure that the following Existing or Future activities: i. application of agricultural source material ii. storage of agricultural source material iii. application of non-agricultural source material iv. handling and storage of non-agricultural source material v. application of commercial fertilizer vi. handling and storage of commercial fertilizer vii. application of pesticide

Policy Identifier	**Policy Text** (see subthreat categories listed above)
This policy does not currently apply to the application of commercial fertilizer due to percent managed land and livestock density calculation, except where a Nitrate WHPA-ICA exists This policy only applies to the application of NASM from a meat plant or sewage works, except where a Nitrate WHPA-ICA exists	viii. storage of pesticide ix. the use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm animal yard in a Nitrate WHPA-ICA with a vulnerability score of less than ten (10), or IPZ with a vulnerability score equal to or greater than eight (8) cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the County shall develop and implement an education and outreach program targeted to individuals within these vulnerable areas to ensure that the risk to municipal drinking water sources from these activities is reduced.

Policy Identifier	**6.1 – Application of non-agricultural source material (NASM) to land** (the following policy is in addition to those listed above)
BC-MC-4.8 Existing/Future Prescribed Inst. WHPA-B-v.10 In the St. George, Mt. Pleasant and Airport well systems this policy only applies to the application of NASM from a meat plant or sewage works	To ensure that any Existing or Future application of non-agricultural source material to land in a WHPA-B with a vulnerability score equal to ten (10) ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the Ministry of Agriculture, Food and Agribusiness shall prepare or review and, where necessary, amend Non-Agricultural Source Material (NASM) Plans under the *Nutrient Management Act, 2002,* to incorporate appropriate terms and conditions.

Policy Identifier	**7.1 – The handling and storage of non-agricultural source material (NASM)** (the following policy is in addition to those listed above)
BC-MC-4.9 Existing	Notwithstanding policy BC-CW-4.2, to ensure that any Existing handling and storage of non-agricultural source material in a WHPA-A or B with a vulnerability score equal to ten (10) ceases to

Policy Identifier	7.1 – The handling and storage of non-agricultural source material (NASM) (the following policy is in addition to those listed above)
Prescribed Inst. WHPA-A-v.10; WHPA-B-v.10	be a significant drinking water threat, where this activity is a significant drinking water threat, the Ministry of Agriculture, Food and Agribusiness shall review and, where necessary, amend Non-Agricultural Source Material (NASM) Plans under the *Nutrient Management Act, 2002* to incorporate appropriate terms and conditions.

Threat 12.0 – The Application of Road Salt

Threat 13.0 – The Handling and Storage of Road Salt

Policy Identifier	12.1 Application of road salt 13.1 – Handling and storage of road salt – exposed to precipitation or runoff 13.2 – Handling and storage of road salt – potentially exposed to precipitation or runoff (The following policies are in addition to those in the tables below)
BC-CW-5.01 Existing/Future Specify Action WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future application or handling and storage of road salt cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the County of Brant shall review available training programs related to these activities and ensure that adequate opportunities are available to train municipal staff and private contractors on best management practices related to road salt application.
BC-CW-5.02 Existing/Future Education & Outreach WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future application or handling and storage of road salt cease to be, or never become, significant drinking water threats, where these activities are, or would be, significant drinking water threats, the County of Brant and/or the Public Health Unit shall develop and implement an education initiative addressing this activity. The education program shall encourage the implementation of best management practices that form the core of the Smart About Salt or similar accreditation program to reduce the impact of winter de-icing activities.

Policy Identifier	12.1 – Application of road salt
BC-CW-5.1 Existing/Future Specify Action WHPA-A-v. 10; WHPA-B-v. 10; IPZ-2-v.9; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future application of road salt ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the County of Brant will require implementation of a Salt Management Plan with a goal to minimize salt usage through alternative measures while maintaining public safety. The Salt Management Plan shall include, as a minimum, measures to ensure application rate, timing and location, reduce the potential for salt-related surface water run-off and groundwater infiltration and meet the objectives of Environment Canada's Code of Practice for Environmental Management of Road Salts including the salt vulnerable area mapping to include areas where significant threats can occur.
BC-MC-5.2 Future Land Use Planning Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Future application of road salt never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, the County of Brant shall include policies in their Official Plan requiring all new development in a Sodium WHPA-ICA or a Chloride WHPA-ICA to provide salt impact assessments as part of a complete application for development which includes new roads and parking lots. Such assessments should include but not be limited to mitigation measures regarding design of parking lots, roads and sidewalks to minimize the need for repeat application of road salt such as grading parking lots with the goal of minimizing ponding and reducing salt use; directing stormwater discharge outside of vulnerable areas where possible; and provisions to hire certified contractors.
BC-CW-5.3 Existing/Future Specify Action Sodium WHPA-ICA	To ensure that any Existing or Future application of road salt ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the County of Brant shall review whether existing or future transport pathways within a Sodium WHPA-ICA increase infiltration of sodium to the groundwater and what actions can be taken by the County to reduce the infiltration of sodium. Actions may include, but are not limited to, incorporating terms and conditions into Risk Management Plans, maintenance or removal of transport pathways, direction to other parties regarding maintenance or removal of transport pathways, reduction of road salt application within the area of the transport pathway, and advocating the Ministry of the Environment, Conservation and Parks or Ministry of Transportation for actions to reduce the infiltration of sodium or other measures, as required.
BC-CW-5.4 Existing/Future	To ensure that any Existing or Future application of road salt ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section

Policy Identifier	12.1 – Application of road salt
Part IV- RMP WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9; Sodium WHPA-ICA	58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required where the following applies: a. road salt is or could be applied to the property; b. the salt application area is equal to or greater than 2000 square metres; and c. the property is used for any land uses except residential consisting of three units or fewer. Notwithstanding the above, a Risk Management Plan will also be required for any municipal properties where the activity is or would be a significant drinking water threat.
BC-CW-5.5 Existing/Future Part IV – Prohibition WHPA-A-v.10; WHPA-B-v.10; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future application of road salt ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the application of chloride-based dust suppressants shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.

Policy Identifier	13.1 – Handling and storage of road salt – exposed to precipitation or runoff
BC-CW-6.1.1 Existing/Future Part IV-Prohibit WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future handling and storage of road salt exposed to precipitation or runoff ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the Clean Water Act, 2006 and shall be prohibited, where any of the following apply: a. in a WHPA or IPZ in quantities greater than 20 kilograms b. in a Sodium WHPA-ICA or Chloride WHPA-ICA in any quantity.

Policy Identifier	13.2 – Handling and storage of road salt – potentially exposed to precipitation or runoff
BC-CW-6.1 a) Existing Part IV-RMPWHPA-A-v.10	To ensure that any handling and storage of road salt potentially exposed to precipitation or runoff, in quantities greater than 100 kilograms, ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the Clean Water Act, 2006 and a Risk

Policy Identifier	13.2 – Handling and storage of road salt – potentially exposed to precipitation or runoff
(outside of Sodium or Chloride WHPA-ICA) b) Existing/Future Part IV-RMP Sodium WHPA-ICA; Chloride WHPA-ICA (outside of WHPA-A) c) Existing/Future Part IV-RMP WHPA-B-v.10 (outside of Sodium or Chloride WHPA-ICA)	Management Plan shall be required, where any of the following apply: a. Existing storage of road salt in a WHPA-A outside of a Sodium WHPA-ICA or Chloride WHPA-ICA b. Existing or Future storage of road salt in a Sodium WHPA-ICA or Chloride WHPA-ICA outside of a WHPA-A c. Existing or Future storage of road salt in a WHPA-B outside of a Sodium WHPA-ICA or Chloride WHPA-ICA
BC-CW-6.2 Existing/Future Part IV-Prohibit WHPA-A-v.10 (inside Sodium or Chloride WHPA-ICA)	To ensure that any Existing or Future handling and storage of road salt potentially exposed to precipitation or runoff, in quantities greater than 100 kilograms in a WHPA-A inside a Sodium WHPA-ICA or Chloride WHPA-ICA ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.
BC-CW-6.3 Future Part IV-Prohibit WHPA-A-v.10 (outside of Sodium or Chloride WHPA-ICA)	To ensure that any Future handling and storage of road salt potentially exposed to precipitation or runoff, in quantities greater than 100 kilograms, in a WHPA-A outside of a Sodium WHPA-ICA or Chloride WHPA-ICA, never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.

Policy Identifier	13.3 – Handling and storage of road salt – not exposed to precipitation or runoff
BC-CW-6.4 Existing/Future Part IV-RMP Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future handling and storage of road salt not exposed to precipitation or runoff, in quantities greater than 100 kilograms, ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.

Threat 14.0 – The Storage of Snow

Policy Identifier	14.1 – Storage of snow on a site
BC-CW-7.1 a) Existing/Future Part IV-RMP Sodium WHPA-ICA; Chloride WHPA-ICA (outside of WHPA-A) b) Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9 (outside of Sodium or Chloride WHPA-ICA) c) Future Part IV-RMP WHPA-B-v.10	To ensure that any storage of snow ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required, where any of the following apply: a. Existing or Future storage of snow in a Sodium WHPA-ICA or Chloride WHPA-ICA outside of WHPA-A b. Existing storage of snow in a WHPA-A, WHPA-B, or IPZ-2 with a vulnerability score equal to nine (9) outside of a Sodium WHPA-ICA or Chloride WHPA-ICA c. Future storage of snow in a WHPA-B
BC-CW-7.2 Existing/Future Education & Outreach WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.8; IPZ-3-v.8; Sodium WHPA-ICA; Chloride WHPA-ICA	To ensure that any Existing or Future storage of snow in a WHPA-A, WHPA-B, IPZ-2 or 3 with a vulnerability score equal to eight (8), Sodium WHPA-ICA, or Chloride WHPA-ICA ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the County shall encourage best management practices with respect to the storage of snow.
BC-CW-7.3 a) Existing/Future Part IV-Prohibit WHPA-A-v.10 (inside of Sodium or Chloride WHPA-ICA) b) Future Part IV-Prohibit WHPA-A-v.10; IPZ-2-v.9	To ensure that any storage of snow ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the Clean Water Act, 2006 and shall be prohibited, where any of the following apply: a. Existing or Future storage of snow in a WHPA-A inside of a Sodium WHPA-ICA or Chloride WHPA-ICA b. Future storage of snow in a WHPA-A or IPZ-2 with a vulnerability score equal to nine (9) outside of a Sodium WHPA-ICA or Chloride WHPA-ICA

Policy Identifier	14.1 – Storage of snow on a site
(outside of Sodium or Chloride WHPA-ICA)	

Threat 15.0 – The Handling and Storage of Fuel

Policy Identifier	15.1 – Handling and storage of fuel
BC-CW-8.1 Existing/Future Education & Outreach WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9	To ensure that any Existing or Future handling and storage of fuel: a. equal to or less than 2,500 Litres in WHPA-A or WHPA-B with a vulnerability score equal to ten (10); or b. more than 2,500 Litres in an IPZ-2 with a vulnerability score equal to nine (9) ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the County shall develop and implement an education and outreach program outlining requirements for the proper maintenance of fuel storage tanks and the steps to be taken if there is a spill or leak detected.
BC-CW-8.2 a) Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10 b) Future Part IV-RMP WHPA-B-v.10	To ensure that any handling and storage of fuel more than 2,500 Litres ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, these activities shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required in the following areas: a. Existing activities in a WHPA-A or B with a vulnerability score equal to ten (10); or b. Future activities in a WHPA-B with a vulnerability score of ten (10).
BC-CW-8.3 Future Part IV-Prohibit WHPA-A-v.10	To ensure that any Future handling and storage of fuel more than 2,500 Litres in a WHPA-A never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.

Threat 16.0 – The Handling and Storage of a Dense Non-Aqueous Phase Liquid (DNAPL)

Policy Identifier	16.1 – Handling and storage of a dense non-aqueous phase liquid (DNAPL)
BC-CW-9.1 Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10	To ensure that any Existing handling and storage of a dense non-aqueous phase liquid (DNAPL) for industrial, commercial, institutional and agricultural purposes in a WHPA-A or WHPA-B with a vulnerability score equal to ten (10) ceases to be a significant drinking water threat, where this activity is a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.
BC-CW-9.2 Future Part IV-Prohibit WHPA-A-v.10; WHPA-B-v.10	To ensure that any Future handling and storage of a dense non-aqueous phase liquid (DNAPL) for industrial, commercial institutional and agricultural purposes in a WHPA-A or WHPA-B with a vulnerability score equal to ten (10) never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.
BC-CW-9.3 Existing/Future Education & Outreach WHPA-A/B/C IPZ-2-v.9	To ensure that any Existing or Future handling and storage of a dense non-aqueous phase liquid (DNAPL) ceases to be, or never becomes, a significant drinking water threat, where this activity is, or would be, a significant drinking water threat, the County shall develop and implement an education and outreach program to encourage the use of alternative products, where available, and the proper handling/storage and disposal procedures for these products.

Threat 17.0 – The Handling and Storage of an Organic Solvent

Policy Identifier	17.1 – Handling and storage of an organic solvent
BC-CW-10.1 Existing Part IV-RMP WHPA-A-v.10; WHPA-B-v.10	To ensure that any Existing handling and storage of an organic solvent ceases to be a significant drinking water threat, where this activity is a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.
BC-CW-10.2 Future Part IV-Prohibit WHPA-A-v.10; WHPA-B-v.10	To ensure that any Future handling and storage of an organic solvent never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, this activity shall be designated for the purpose of Section 57 of the *Clean Water Act, 2006* and shall be prohibited.

Threat 18.0 – The Management of Runoff that Contains Chemicals Used in the De-icing of Aircraft

Policy Identifier	18.1 – The management of runoff that contains chemicals used in the de-icing of aircraft
BC-CW-11.1 Future Part IV-RMP WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9	To ensure any new airport where there could be runoff containing de-icing chemicals, never becomes a significant drinking water threat, where this activity would be a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the *Clean Water Act, 2006* and a Risk Management Plan shall be required.

Threat 22.0 – The Establishment and Operation of a Liquid Hydrocarbon Pipeline

Policy Identifier	22.1 – Conveyance of a liquid hydrocarbon by a pipeline
BC-NB-12.1 Existing/Future Specify Action Significant: WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9 Moderate/Low: WHPA-B-v.6 & 8 WHPA-C-v.6 & 8 WHPA-D-v.6 IPZ-2-v.8 IPZ-3-v.8, 6 & 5	To ensure that the establishment and operation of a liquid hydrocarbon pipeline within the meaning of O. Reg. 210/01 under the *Technical Safety and Standards Act, 2000* or that is subject to the *Canadian Energy Regulator Act, 2019* ceases to be or never becomes a significant, moderate or low drinking water threat, where the activity is or would be a significant, moderate or low drinking water threat, the Canada Energy Regulator or the Ontario Energy Board should ensure that the Source Protection Authority and the County are provided the location of any new proposed pipeline.
BC-CW-12.2 REMOVED	Intentionally shown as deleted to preserve numbering
BC-NB-12.3 Existing/Future Specify Action Significant: WHPA-A-v.10;	To ensure that the establishment and operation of a liquid hydrocarbon pipeline within the meaning of O. Reg. 210/01 under the *Technical Safety and Standards Act* or that is subject to the *Canadian Energy Regulator Act* never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, the Canada Energy Regulator, Ontario Energy Board, Technical Standards and Safety Authority (TSSA), and Impact Assessment Agency should

Policy Identifier	22.1 – Conveyance of a liquid hydrocarbon by a pipeline
WHPA-B-v.10; IPZ-2-v.9 Moderate/Low: WHPA-B-v.6 & 8 WHPA-C-v.6 & 8 WHPA-D-v.6 IPZ-2-v.8 IPZ-3-v.8, 6 & 5	ensure that drinking water source protection is considered as a risk factor in their decision making framework.
BC-NB-12.4 Existing/Future Specify Action Significant: WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9 Moderate/Low: WHPA-B-v.6 & 8 WHPA-C-v.6 & 8 WHPA-D-v.6 IPZ-2-v.8 IPZ-3-v.8, 6 & 5	To ensure that the establishment and operation of a liquid hydrocarbon pipeline within the meaning of O. Reg. 210/01 under the *Technical Safety and Standards Act, 2000* or that is subject to the *Canadian Energy Regulator Act, 2019* never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should ensure that best available source protection information is used such as up to date vulnerable areas in assessment reports when developing, operating and maintaining liquid hydrocarbon pipelines, including developing and updating emergency planning zones (EPZs).
BC-NB-12.5 Existing/Future Specify Action Significant: WHPA-A-v.10; WHPA-B-v.10; IPZ-2-v.9 Moderate/Low: WHPA-B-v.6 & 8 WHPA-C-v.6 & 8 WHPA-D-v.6 IPZ-2-v.8 IPZ-3-v.8, 6 & 5	To ensure that the establishment and operation of a liquid hydrocarbon pipeline within the meaning of O. Reg. 210/01 under the *Technical Safety and Standards Act, 2000* or that is subject to the *Canadian Energy Regulator Act, 2019* never becomes a significant , moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should, upon request by the County, reimburse costs borne by the County where work in relation to this activity is required by a regulator with regards to protecting drinking water sources or where the work identified by the drinking water system owner is supported based on due diligence and best practices as it relates to source protection and the protection of public health. Examples may include but are not limited to spill clean-up and rehabilitation activities, events-based modelling or other technical work required to support current vulnerability scoring.

Threat 19.0 – An activity that takes water from an aquifer or a surface water body without returning the water taken to the same aquifer or surface water body

Policy Identifier	Consumptive water taking
BC-MC-13.1 Existing/Future Prescribed Inst. WHPA-Q	To ensure that any Existing, increased or New consumptive water taking within the WHPA-Q ceases to be, or never becomes, a significant drinking water threat, the Ministry of the Environment, Conservation and Parks shall ensure that the permit to take water for groundwater taking include appropriate terms and conditions to demonstrate that the taking will not adversely impact the aquifer's ability to meet municipal and other water supply requirements.
BC-MC-13.2 Existing/Future Prescribed Inst. WHPA-Q	To ensure that any Existing or Future consumptive water taking within the WHPA-Q ceases to be, or never becomes, a significant drinking water threat, the Ministry of Northern Development, Mines, Natural Resources and Forestry in consultation with the Ministry of the Environment, Conservation and Parks, County of Brant and Grand River Conservation Authority, shall review and amend where appropriate any existing and new approvals under the *Aggregate Resources Act, 1990* for extraction below the water table.
BC-MC-13.3 Future Land Use Planning WHPA-Q	When planning for growth and approving development that is to be serviced by an existing municipal well located within a WHPA-Q with a significant risk level, the municipality shall ensure that Planning Act decisions consider the long-term sustainability of the municipal drinking water system by: a. ensuring the development and any required expansion of the municipal drinking water system is consistent with the County of Brant's Water Supply Master Plan and Infrastructure Master Plan; b. consulting with the Ministry of the Environment, Conservation and Parks to discuss any necessary amendments to the Permit to Take Water.
BC-CW-13.4 Future Specify Action WHPA-Q	To ensure that any Future consumptive water taking within the WHPA-Q never becomes a significant drinking water threat, the County of Brant will update the Paris Master Servicing Plan using the findings from the Whiteman's Creek Tier 3 Water Budget, and in addition, complete a Paris (Paris/Bethel) Settlement Area Well Capacity Study to be used to support future growth management.
BC-CW-13.5 Future Specify Action WHPA-Q	To ensure that any Future consumptive water taking within the WHPA-Q ceases to be, or never becomes, a significant drinking water threat, the County of Brant will: a. expand the Tier 3 model to include the Paris Settlement Area; b. undertake a comprehensive Paris/Bethel Well Capacity Study, inclusive of scenarios consistent with potential growth target;

Policy Identifier	Consumptive water taking
	c. incorporate the sustainable water quantity capacity into the overall growth management strategy for Paris and Bethel Wells.
BC-CW-13.6 Existing/Future Specify Action WHPA-Q	To ensure that any Existing or Future consumptive water takings within the WHPA-Q ceases to be, or never becomes, a significant drinking water threat, the County of Brant will request the Ministry of the Environment, Conservation and Parks support the ongoing maintenance of the Whitemans Creek Tier 3 Water Budget model and expansion of the model to include the Paris Wells.
BC-CW-13.7 Existing/Future Education & Outreach WHPA-Q + Service Area	To ensure that any Existing and Future consumptive water takings within the WHPA-Q ceases to be, or never becomes, a significant drinking water threat, the County of Brant will update their water conservation plans using the findings from the Whitemans Creek Tier 3 Water Budget and Risk Assessment to support the sustainable use of water in areas serviced by a well located within the WHPA-Q and the serviced settlement area.

Threat 20.0 – An activity that reduces the recharge of an aquifer

Policy Identifier	Recharge Reduction
BC-MC-14.1 Future Land Use Planning WHPA-Q	To ensure that any Future activity that reduces the recharge of an aquifer within the WHPA-Q never becomes a significant drinking water threat, the relevant Planning Approval Authority shall: a. Require new development for lands zoned Low Density Residential or zoned Agricultural to implement best management practices such as Low Impact Development (LID) with the goal to maintain pre-development recharge. b. Require that all site plan (excluding an application for one single family dwelling) and subdivision applications for new residential, commercial, industrial and institutional uses provide a water balance assessment for the proposed development to the satisfaction of the Planning Approval Authority which addresses each of the following requirements: i. Maintain pre-development recharge to the greatest extent feasible through best management practices such as LID, minimizing impervious surfaces, and lot level infiltration; ii. Where pre-development recharge cannot be maintained on site, implement and maximize off-site recharge enhancement (within the same WHPA-Q) to compensate for any predicted loss of recharge from the development; and

Policy Identifier	Recharge Reduction
	iii. For new development (excluding a minor variance) within the WHPA-Q and within an Issue Contributing Area (WHPA-ICA) for sodium, chloride or nitrates, the water balance assessment must consider water quality when recommending best management practices and address how recharge will be maintained and water quality will be protected. c. Only approve settlement area expansions as part of a municipal comprehensive review where it has been demonstrated that recharge functions will be maintained on lands designated Significant Groundwater Recharge Areas within WHPA-Q. d. Amend municipal planning documents to reference most current Assessment Reports in regards to the Significant Groundwater Recharge Areas within WHPA-Q.

Appendix A: List of Policies as per Section 34 of Regulation 287/07

LIST A

Title: Significant threat policies that affect decisions under the *Planning Act, 1990* and *Condominium Act*, *1998*

Opening Statement: "Clause 39 (1)(a), subsections 39 (2), (4) and (6), and sections 40 and 42 of the *Clean Water Act*, 2006 apply to the following policies:"

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-1.2, BC-CW-1.3, BC-MC-1.4, BC-MC-1.17, BC-MC-5.2, BC-MC-13.3, BC-MC-14.1

LIST B

Title: Moderate and low threat policies that affect decisions under the *Planning Act, 1990* and *Condominium Act*, *1998*

Opening Statement: "Subsection 39 (1) (b) of the *Clean Water Act*, *2006* applies to the following policies:"

Content: No Applicable Policies

LIST C

Title: Significant threat policies that affect Prescribed Instrument decisions

Opening Statement: "Subsection 39 (6), clause 39 (7) (a), section 43 and subsection 44 (1) of the *Clean Water Act*, *2006* apply to the following policies:"

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-1.2, BC-MC-1.16, BC-MC-2.1, BC-MC-2.3, BC-MC-3.2, BC-MC-3.3, BC-MC-3.4, BC-MC-3.5, BC-MC-3.6, BC-MC-3.7, BC-MC-4.6, BC-MC-4.8, BC-MC-4.9, BC-MC-13.1, BC-MC-13.2

LIST D

Title: Moderate and low threat policies that affect Prescribed Instrument decisions

Opening Statement: "Clause 39 (7) (b) of the *Clean Water Act*, 2006 applies to the following policies:"

Content: No Applicable Policies

LIST E

Title: Significant threat policies that impose obligations on municipalities, source protection authorities and local boards

Opening Statement: “Section 38 and subsection 39 (6) of the *Clean Water Act*, *2006* applies to the following policies:”

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-1.2, BC-CW-1.5, BC-CW-1.6, BC-CW-1.18, BC-CW-1.21, BC-CW-2.6, BC-CW-3.1, BC-CW-4.7, BC-CW-5.01, BC-CW-5.02, BC-CW-5.1, BC-CW-5.3, BC-CW-7.2, BC-CW-8.1, BC-CW-9.3, BC-CW-13.4, BC-CW-13.5, BC-CW-13.6, BC-CW-13.7

LIST F

Title: Monitoring policies referred to in subsection 22 (2) of the *Clean Water Act*, *2006*

Opening Statement: “Section 45 of the *Clean Water Act, 2006* applies to the following policies:”

Content: BC-CW-1.9, BC-CW-1.10, BC-CW-1.11, BC-CW-1.12, BC-CW-1.13, BC-MC-1.16

LIST G

Title: Policies related to section 57 of the *Clean Water Act*, *2006*

Opening Statement: “The following policies relate to section 57 (prohibition) of the *Clean Water Act, 2006*.”

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-1.2; BC-CW-2.4, BC-CW-4.2, BC-CW-4.3, BC-CW-5.5, BC-CW-6.1.1, BC-CW-6.2, BC-CW-7.3, BC-CW-8.3, BC-CW-9.2, BC-CW-10.2

LIST H

Title: Policies related to section 58 of the *Clean Water Act*, *2006*

Opening Statement: “The following policies relate to section 58 (Risk Management Plans) of the *Clean Water Act, 2006*.”

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-2.2, BC-CW-2.5, BC-CW-4.1, BC-CW-4.4, BC-CW-4.5, BC-CW-5.4, BC-CW-6.1, BC-CW-6.3, BC-CW-6.4, BC-CW-7.1, BC-CW-8.2, BC-CW-9.1, BC-CW-10.1, BC-CW-11.1

LIST I

Title: Policies related to section 59 of the *Clean Water Act*, 2006

Opening Statement: “The following policies relate to section 59 (restricted land use) of the *Clean Water Act, 2006*.”

Content: BC-CW-1.1.1, BC-CW-1.1.2, BC-CW-1.3

LIST J

Title: Strategic Action policies

Opening Statement: For the purposes of section 33 of O. Reg. 287/07, the following policies are identified as strategic action policies:

Content: BC-NB-1.19, BC-NB-1.20

LIST K

Title: Significant threat policies targeted to bodies other than municipalities, local board or source protection authorities for implementation

Opening Statement: The following policies are identified as non-legally binding policies:

Content: BC-NB-1.7, BC-NB-1.8, BC-NB-12.1, BC-NB-12.3, BC-NB-12.4, BC-NB-12.5

Appendix B: Prescribed Instrument and Policy Summary Tables

Table 1: Prescribed Instruments That Apply To Source Protection Plan Policies In Lists C And D Above (S.34(4) Of O. Reg. 287/07)

Policy #	Legal Effect (conform with, have regard to)	*Environmental Protection Act, 1990*	*Nutrient Management Act, 2002*	*Ontario Water Resources Act, 1990*	*Aggregate Resources Act, 1990*
BC-CW-1.1.1	Comply With	Yes	Yes	Yes	No
BC-CW-1.1.2	Comply With	Yes	Yes	Yes	No
BC-CW-1.2	Must Conform	Yes	No	Yes	No
BC-MC-1.16	Must Conform	Yes	No	No	No
BC-MC-2.1	Must Conform	Yes	No	Yes	No
BC-MC-2.3	Must Conform	Yes	No	Yes	No
BC-MC-3.2	Must Conform	Yes	No	Yes	No
BC-MC-3.3	Must Conform	Yes	No	Yes	No
BC-MC-3.4	Must Conform	Yes	No	Yes	No
BC-MC-3.5	Must Conform	Yes	No	Yes	No
BC-MC-3.6	Must Conform	Yes	No	Yes	No
BC-MC-3.7	Must Conform	Yes	No	Yes	No
BC-MC-4.6	Must Conform	No	Yes	No	No
BC-MC-4.8	Must Conform	Yes	Yes	No	No
BC-MC-4.9	Must Conform	Yes	Yes	No	No
BC-MC-13.1	Must Conform	No	No	Yes	No
BC-MC-13.2	Must Conform	No	No	No	Yes

Table 2: Policy Summary Matrix

Policy ID #	Legal Effect (conform with, have regard to, non-binding)	Lists A and B	Lists C and D	List E	List F	Lists G, H, and I	List J	List K
BC-CW-1.1.1	Comply With	Yes	Yes	Yes	No	Yes	No	No
BC-CW-1.1.2	Comply With	Yes	Yes	Yes	No	Yes	No	No
BC-CW-1.2	Comply With	Yes	Yes	Yes	No	Yes	No	No
BC-CW-1.3	Comply With	Yes	No	No	No	Yes	No	No
BC-MC-1.4	Must Conform	Yes	No	No	No	No	No	No
BC-CW-1.5	Comply With	No	No	Yes	No	No	No	No
BC-CW-1.6	Comply With	No	No	Yes	No	No	No	No
BC-NB-1.7	Non-Binding	No	No	No	No	No	No	Yes
BC-NB-1.8	Non-Binding	No	No	No	No	No	No	Yes
BC-CW-1.9	Comply With	No	No	No	Yes	No	No	No
BC-CW-1.10	Comply With	No	No	No	Yes	No	No	No
BC-CW-1.11	Comply With	No	No	No	Yes	No	No	No
BC-CW-1.12	Comply With	No	No	No	Yes	No	No	No
BC-CW-1.13	Comply With	No	No	No	Yes	No	No	No
BC-MC-1.16	Must Conform	No	Yes	No	Yes	No	No	No
BC-MC-1.17	Must Conform	Yes	No	No	No	No	No	No
BC-CW-1.18	Comply With	No	No	Yes	No	No	No	No

Policy ID #	Legal Effect (conform with, have regard to, non-binding)	Lists A and B	Lists C and D	List E	List F	Lists G, H, and I	List J	List K
BC-NB-1.19	Non-Binding	No	No	No	No	No	Yes	No
BC-NB-1.20	Non-Binding	No	No	No	No	No	Yes	No
BC-CW-1.21	Comply With	No	No	Yes	No	No	No	No
BC-MC-2.1	Must Conform	No	Yes	No	No	No	No	No
BC-CW-2.2	Comply With	No	No	No	No	Yes	No	No
BC-MC-2.3	Must Conform	No	Yes	No	No	No	No	No
BC-CW-2.4	Comply With	No	No	No	No	Yes	No	No
BC-CW-2.5	Comply With	No	No	No	No	Yes	No	No
BC-CW-2.6	Comply With	No	No	Yes	No	No	No	No
BC-CW-3.1	Comply With	No	No	Yes	No	No	No	No
BC-MC-3.2	Must Conform	No	Yes	No	No	No	No	No
BC-MC-3.3	Must Conform	No	Yes	No	No	No	No	No
BC-MC-3.4	Must Conform	No	Yes	No	No	No	No	No
BC-MC-3.5	Must Conform	No	Yes	No	No	No	No	No
BC-MC-3.6	Must Conform	No	Yes	No	No	No	No	No
BC-MC-3.7	Must Conform	No	Yes	No	No	No	No	No
BC-CW-4.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-4.2	Comply With	No	No	No	No	Yes	No	No

Policy ID #	Legal Effect (conform with, have regard to, non-binding)	Lists A and B	Lists C and D	List E	List F	Lists G, H, and I	List J	List K
BC-CW-4.3	Comply With	No	No	No	No	Yes	No	No
BC-CW-4.4	Comply With	No	No	No	No	Yes	No	No
BC-CW-4.5	Comply With	No	No	No	No	Yes	No	No
BC-MC-4.6	Must Conform	No	Yes	No	No	No	No	No
BC-CW-4.7	Comply With	No	No	Yes	No	No	No	No
BC-MC-4.8	Must Conform	No	Yes	No	No	No	No	No
BC-MC-4.9	Must Conform	No	Yes	No	No	No	No	No
BC-CW-5.01	Comply With	No	No	Yes	No	No	No	No
BC-CW-5.02	Comply With	No	No	Yes	No	No	No	No
BC-CW-5.1	Comply With	No	No	Yes	No	No	No	No
BC-MC-5.2	Must Conform	Yes	No	No	No	No	No	No
BC-CW-5.3	Comply With	No	No	Yes	No	No	No	No
BC-CW-5.4	Comply With	No	No	No	No	Yes	No	No
BC-CW-5.5	Comply With	No	No	No	No	Yes	No	No
BC-CW-6.1.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-6.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-6.2	Comply With	No	No	No	No	Yes	No	No
BC-CW-6.3	Comply With	No	No	No	No	Yes	No	No

Policy ID #	Legal Effect (conform with, have regard to, non-binding)	Lists A and B	Lists C and D	List E	List F	Lists G, H, and I	List J	List K
BC-CW-6.4	Comply With	No	No	No	No	Yes	No	No
BC-CW-7.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-7.2	Comply With	No	No	Yes	No	No	No	No
BC-CW-7.3	Comply With	No	No	No	No	Yes	No	No
BC-CW-8.1	Comply With	No	No	Yes	No	No	No	No
BC-CW-8.2	Comply With	No	No	No	No	Yes	No	No
BC-CW-8.3	Comply With	No	No	No	No	Yes	No	No
BC-CW-9.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-9.2	Comply With	No	No	No	No	Yes	No	No
BC-CW-9.3	Comply With	No	No	Yes	No	No	No	No
BC-CW-10.1	Comply With	No	No	No	No	Yes	No	No
BC-CW-10.2	Comply With	No	No	No	No	Yes	No	No
BC-CW-11.1	Comply With	No	No	No	No	Yes	No	No
BC-NB-12.1	Non-Binding	No	No	No	No	No	No	Yes
BC-NB-12.3	Non-binding	No	No	No	No	No	No	Yes
BC-NB-12.4	Non-binding	No	No	No	No	No	No	Yes
BC-NB-12.5	Non-binding	No	No	No	No	No	No	Yes
BC-MC-13.1	Must Conform	No	Yes	No	No	No	No	No

Policy ID #	Legal Effect (conform with, have regard to, non-binding)	Lists A and B	Lists C and D	List E	List F	Lists G, H, and I	List J	List K
BC-MC-13.2	Must Conform	No	Yes	No	No	No	No	No
BC-MC-13.3	Must Conform	Yes	No	No	No	No	No	No
BC-CW-13.4	Comply With	No	No	Yes	No	No	No	No
BC-CW-13.5	Comply With	No	No	Yes	No	No	No	No
BC-CW-13.6	Comply With	No	No	Yes	No	No	No	No
BC-CW-13.7	Comply With	No	No	Yes	No	No	No	No
BC-MC-14.1	Must Conform	Yes	No	No	No	No	No	No

Schedule A: County of Brant, Airport Water Supply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map		
		10	8	2,4,6
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details.

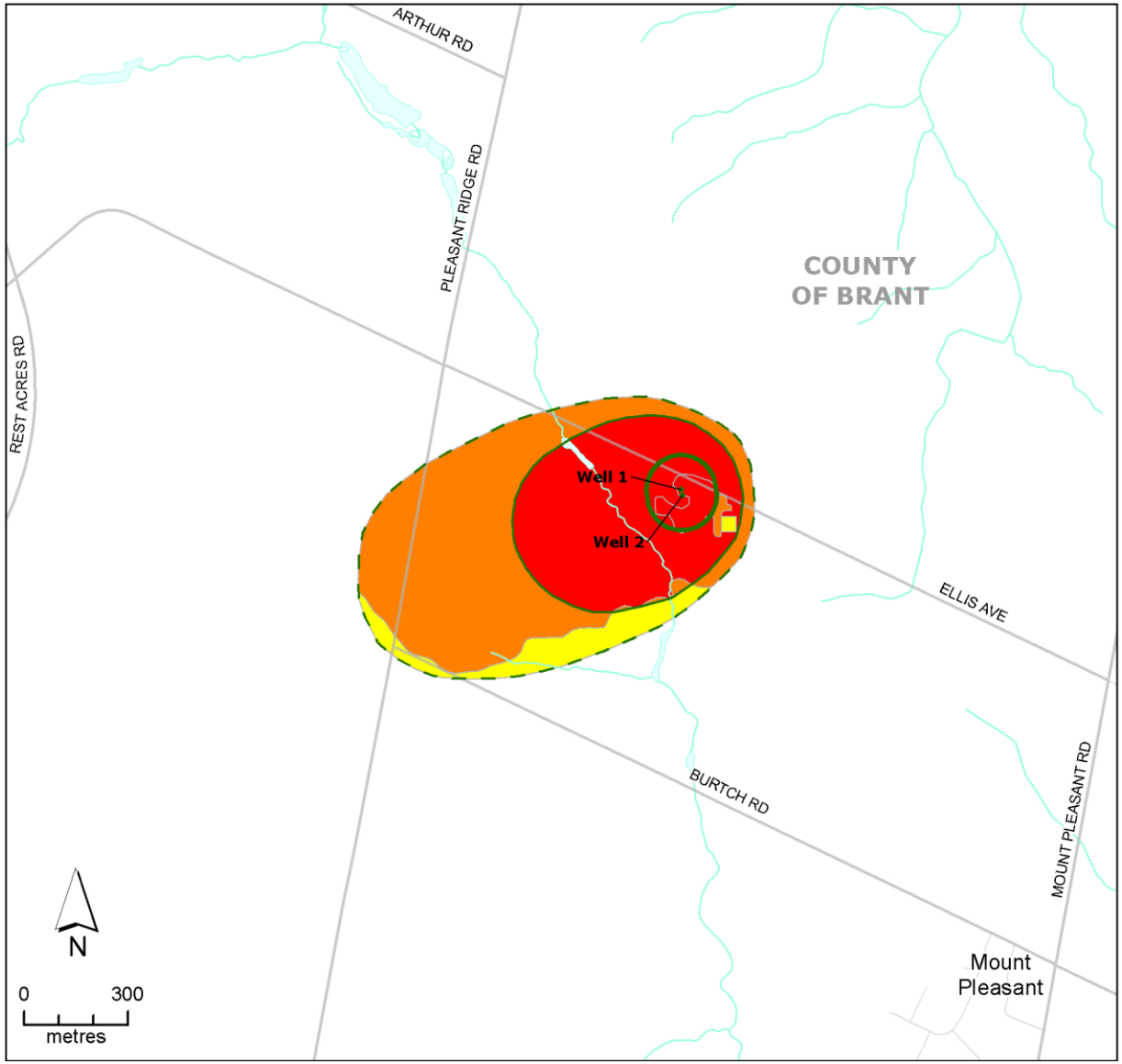
Well
Road
Minor River
Lake / Main River

Wellhead Protection Zones:
WHPA-A
WHPA-B
WHPA-C

Grand River Conservation Authority

1. Updated December 14, 2023
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule B: County of Brant, Mount Pleasant Water Supply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map		
		10	8	2,4,6
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details.

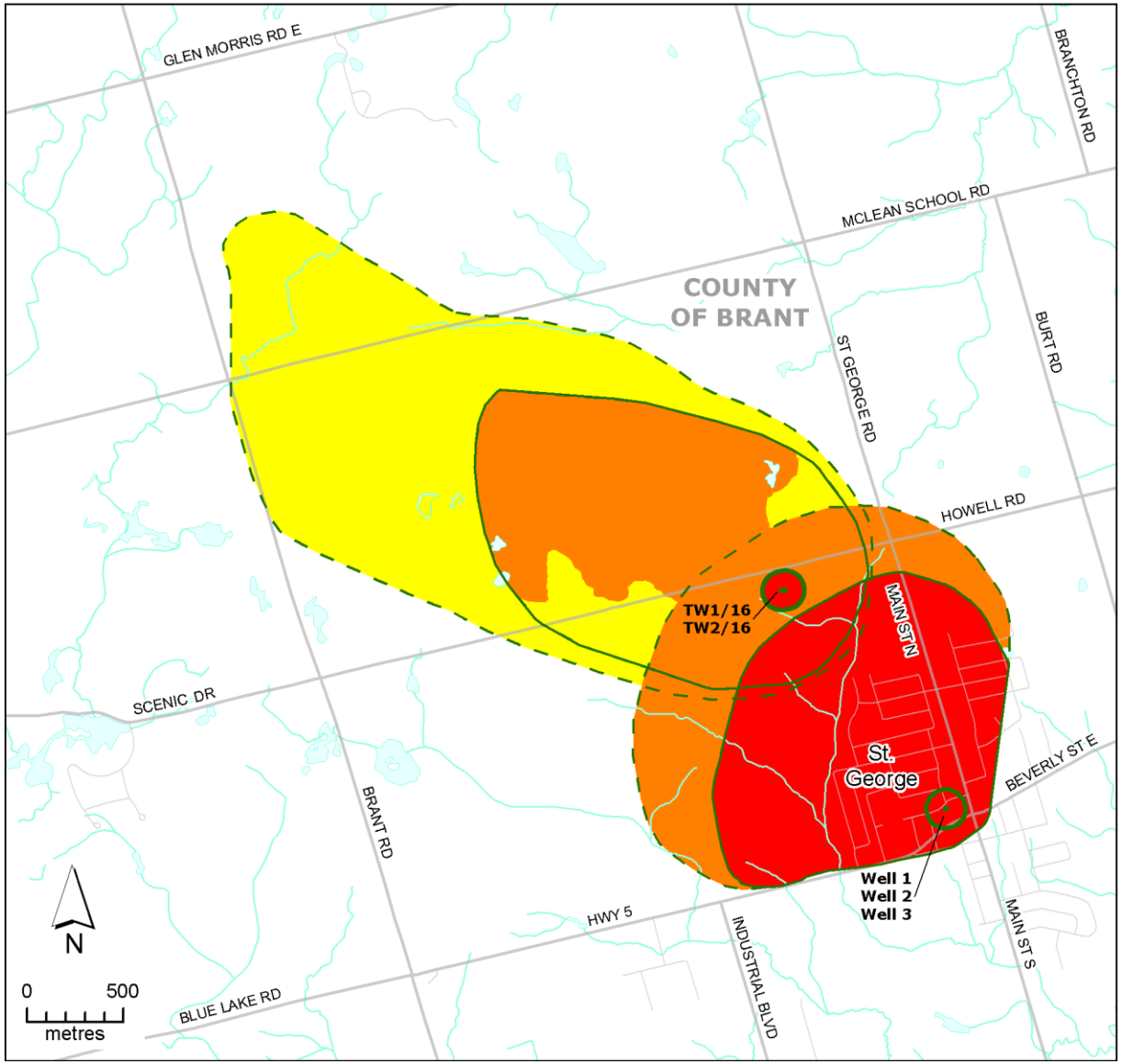
Well
Road
Minor River
Lake / Main River

Wellhead Protection Zones:
WHPA-A
WHPA-B
WHPA-C

Grand River Conservation Authority

1. Updated December 14, 2023
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule C: County of Brant, St. George Water Supply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
		10	8	2,4,6
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details.

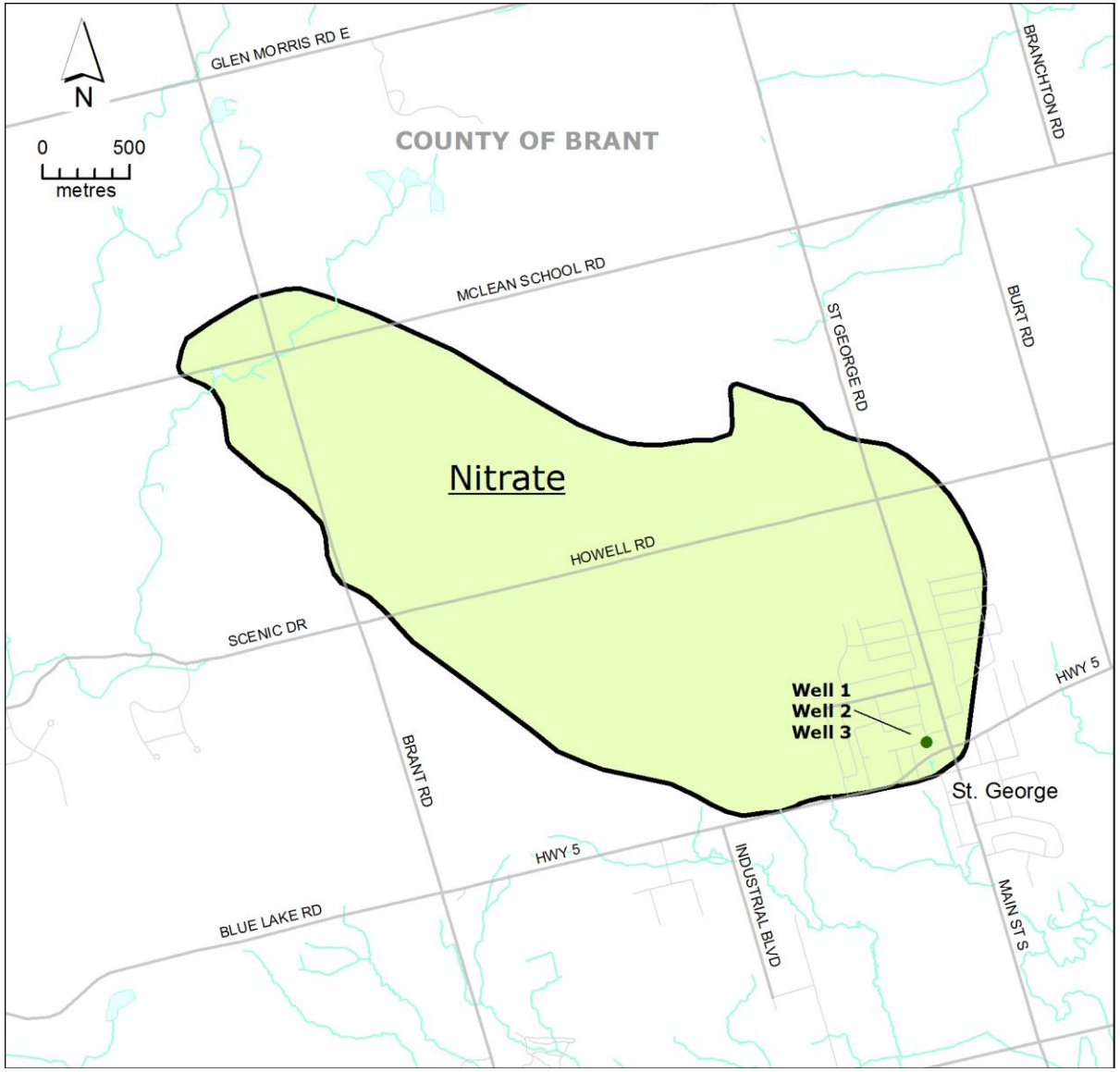
Well
Road
Minor River
Lake / Main River

Wellhead Protection Zones:
WHPA-A
WHPA-B
WHPA-C

Grand River Conservation Authority

1. Updated December 14, 2023
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule D: County of Brant, St. George Water Supply, Issue Contributing Area (WHPA-ICA)



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Identified Issue			
		Chloride	Nitrate	Sodium	TCE
1.	Waste Disposal	-	Yes	-	Yes
2.	Sewage Systems	Yes	Yes	Yes	Yes
3, 4.	Agricultural Source Material	-	Yes	-	-
6, 7.	Non-Agricultural Source Material	-	Yes	-	-
8, 9.	Commercial Fertilizer	-	Yes	-	-
12, 13.	Road Salt	Yes	-	Yes	-
14.	Storage of Snow	Yes	Yes	Yes	-
16.	DNAPLs	-	-	-	Yes
21.	Livestock Area	-	Yes	-	-

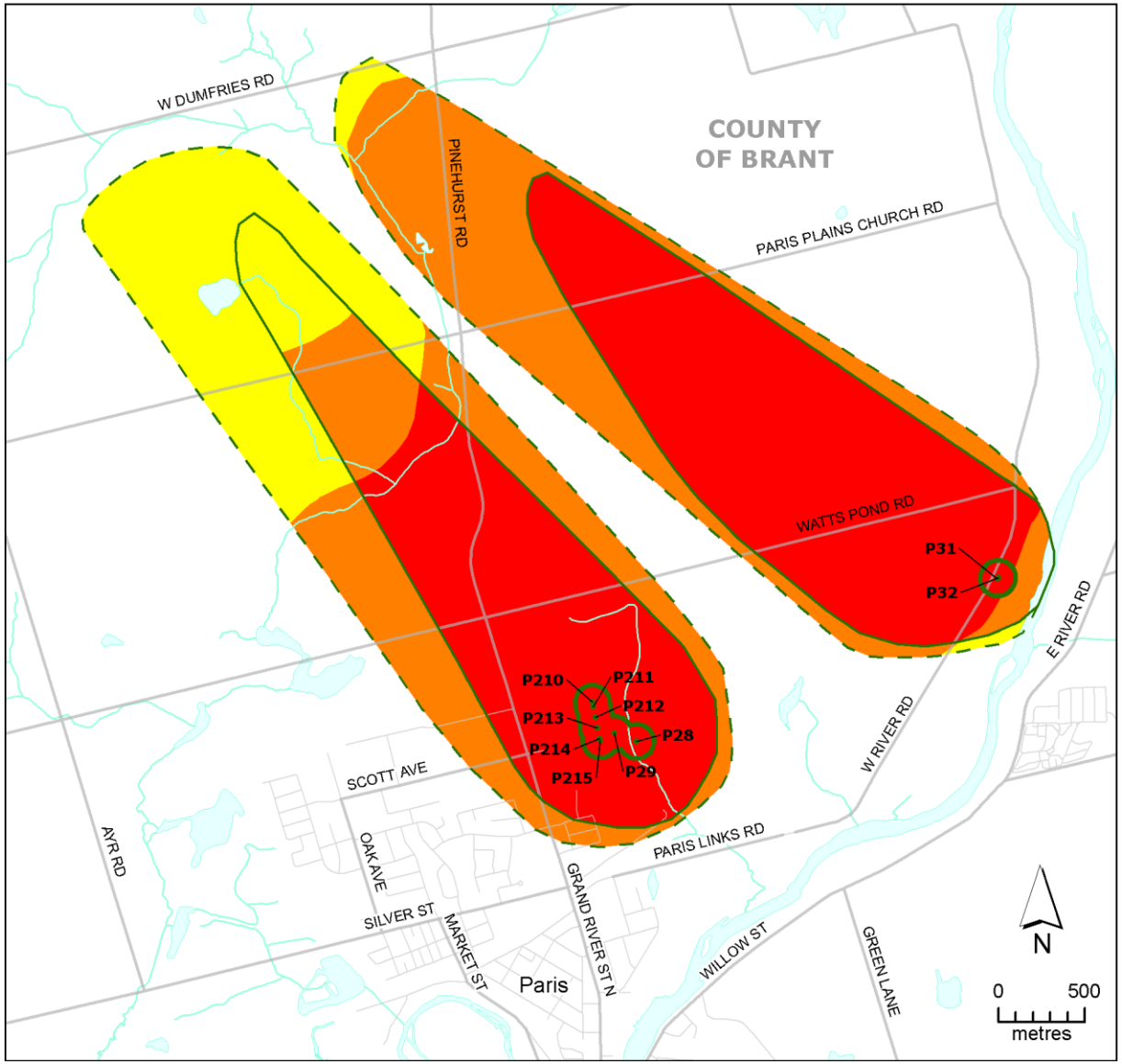
Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) in the Issue Contributing Area(s) shown on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.

- Well with Identified Issue(s)
- Road
- Minor Riversw
- Lakes / Main Rivers
- Issue Contributing Area (WHPA-ICA)
- Issue — Associated Issue Parameter

Grand River Conservation Authority

1. Updated November 8, 2018
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule E: County of Brant, Paris Water Supply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map		
		10	8	2,4,6
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details.

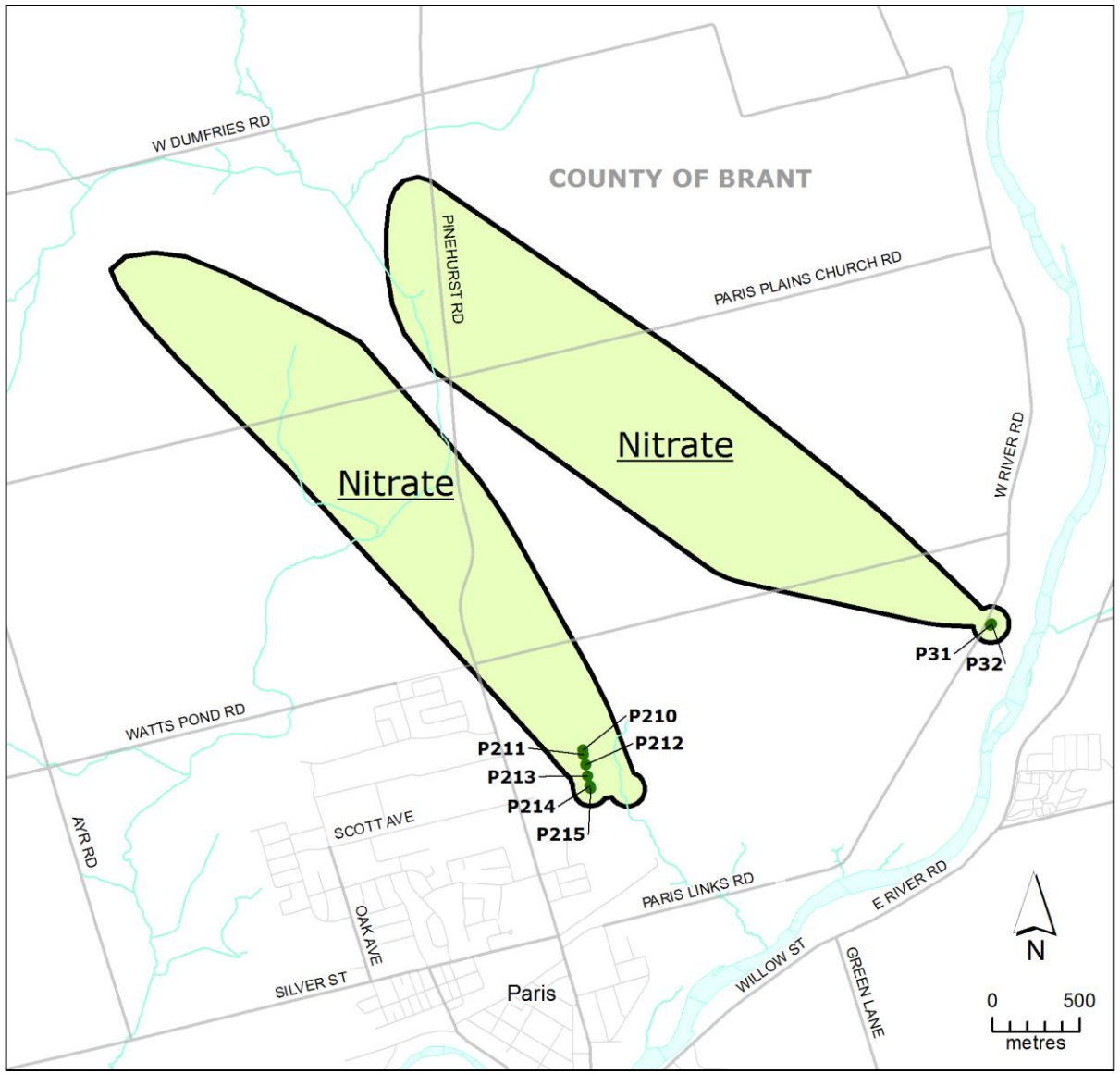
Well
Road
Minor River
Lake / Main River

Wellhead Protection Zones:
WHPA-A
WHPA-B
WHPA-C

Grand River Conservation Authority

1. Updated December 14, 2023
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule F: County of Brant, Paris Water Supply, Issue Contributing Areas (WHPA-ICAs)



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Identified Issue			
		Chloride	Nitrate	Sodium	TCE
1.	Waste Disposal	-	Yes	-	Yes
2.	Sewage Systems	Yes	Yes	Yes	Yes
3, 4.	Agricultural Source Material	-	Yes	-	-
6, 7.	Non-Agricultural Source Material	-	Yes	-	-
8, 9.	Commercial Fertilizer	-	Yes	-	-
12, 13.	Road Salt	Yes	-	Yes	-
14.	Storage of Snow	Yes	Yes	Yes	-
16.	DNAPLs	-	-	-	Yes
21.	Livestock Area	-	Yes	-	-

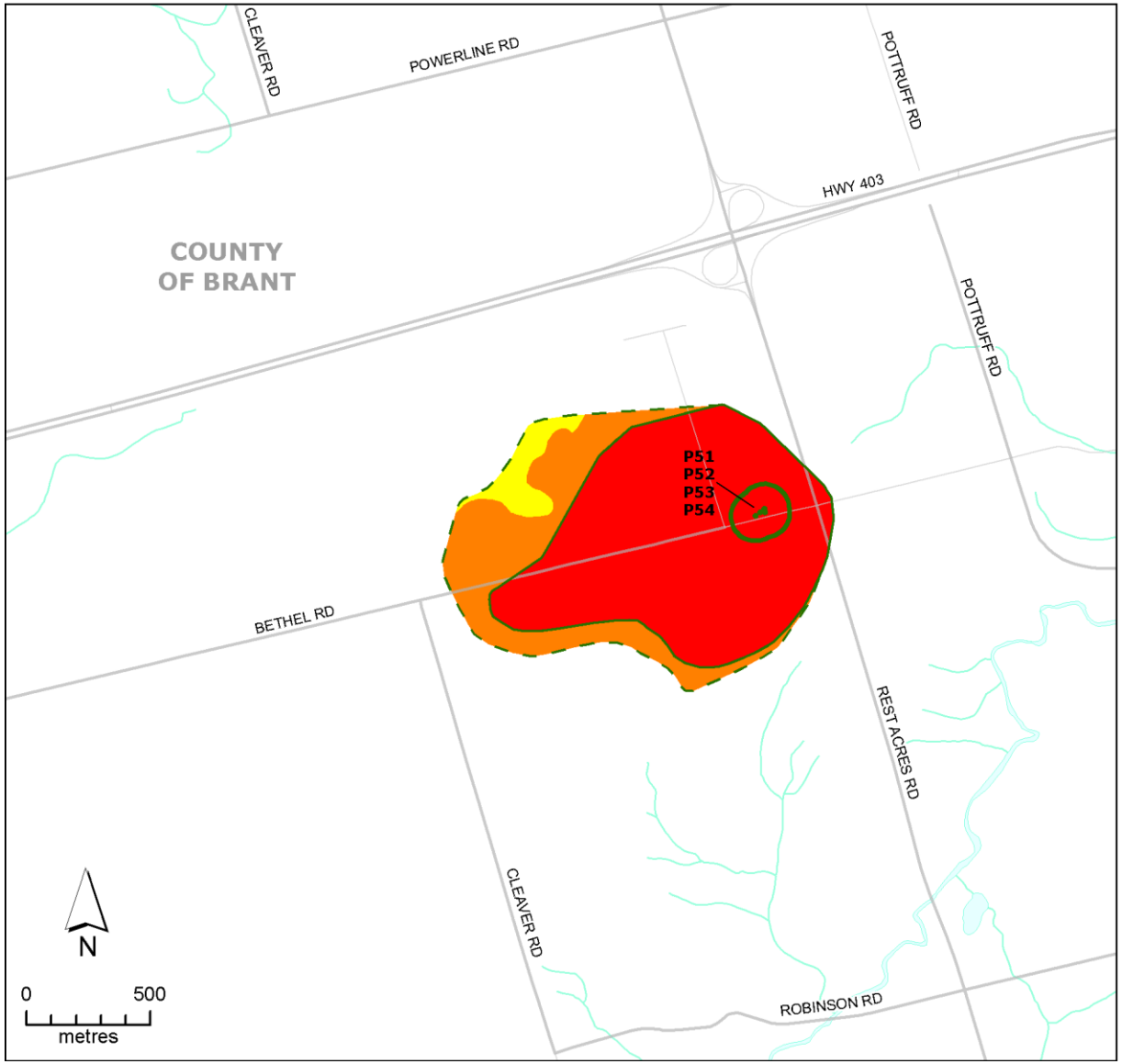
Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) in the Issue Contributing Area(s) shown on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.

- Well with Identified Issue(s)
- Road
- Minor Rivers
- Lakes / Main Rivers
- Issue Contributing Area (WHPA-ICA)
- Issue — Associated Issue Parameter

Grand River Conservation Authority

1. Updated November 21, 2014
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule G: County of Brant, Bethel Road Water Supply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map		
		10	8	2,4,6
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details.

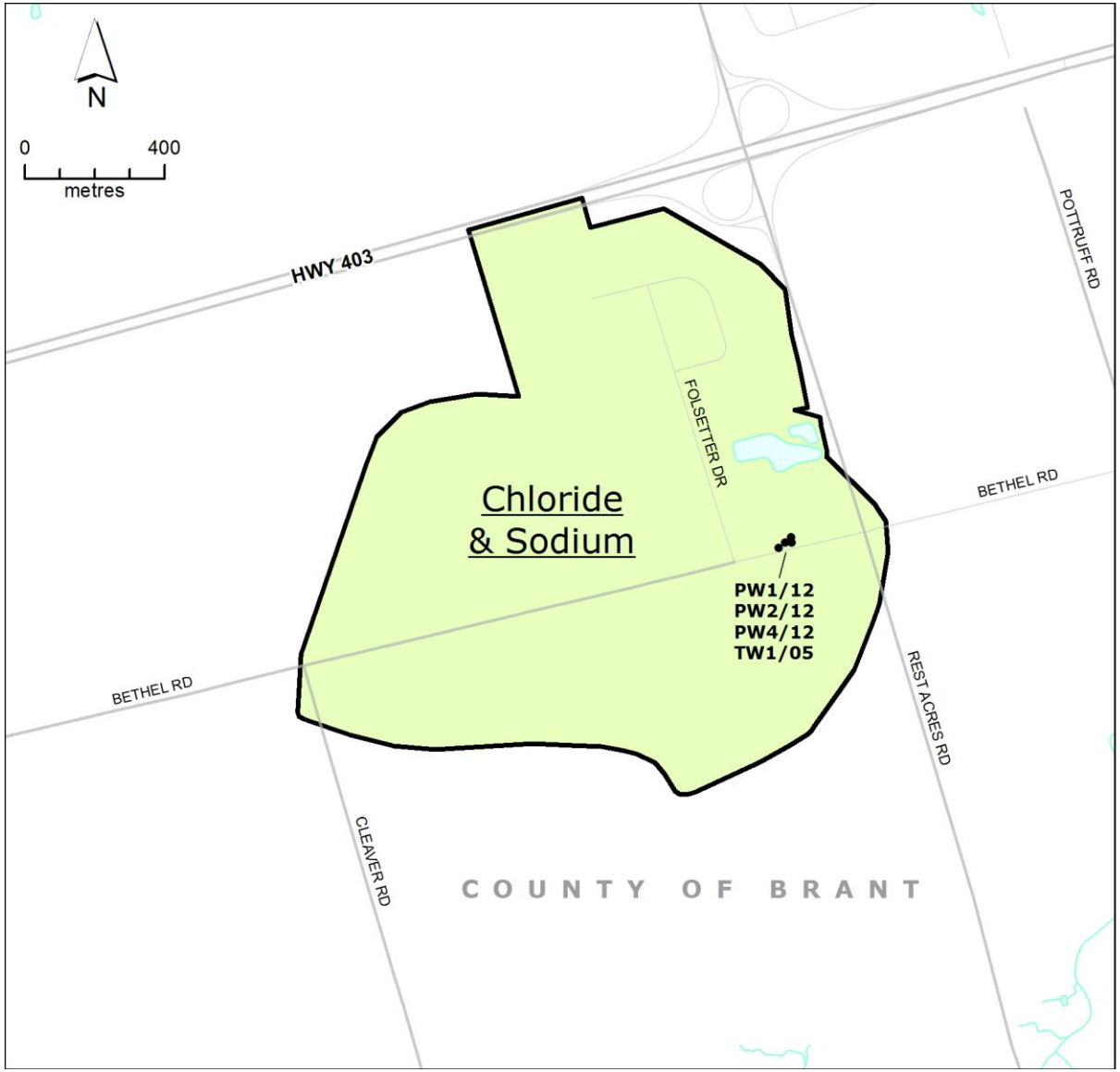
Well
Road
Minor River
Lake / Main River

Wellhead Protection Zones:
WHPA-A
WHPA-B
WHPA-C

Grand River Conservation Authority

1. Updated December 14, 2023
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule H: County of Brant, Bethel Road Water Supply, Issue Contributing Areas (WHPA-ICAs)



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Identified Issue			
		Chloride	Nitrate	Sodium	TCE
1.	Waste Disposal	-	Yes	-	Yes
2.	Sewage Systems	Yes	Yes	Yes	Yes
3, 4.	Agricultural Source Material	-	Yes	-	-
6, 7.	Non-Agricultural Source Material	-	Yes	-	-
8, 9.	Commercial Fertilizer	-	Yes	-	-
12, 13.	Road Salt	Yes	-	Yes	-
14.	Storage of Snow	Yes	Yes	Yes	-
16.	DNAPLs	-	-	-	Yes
21.	Livestock Area	-	Yes	-	-

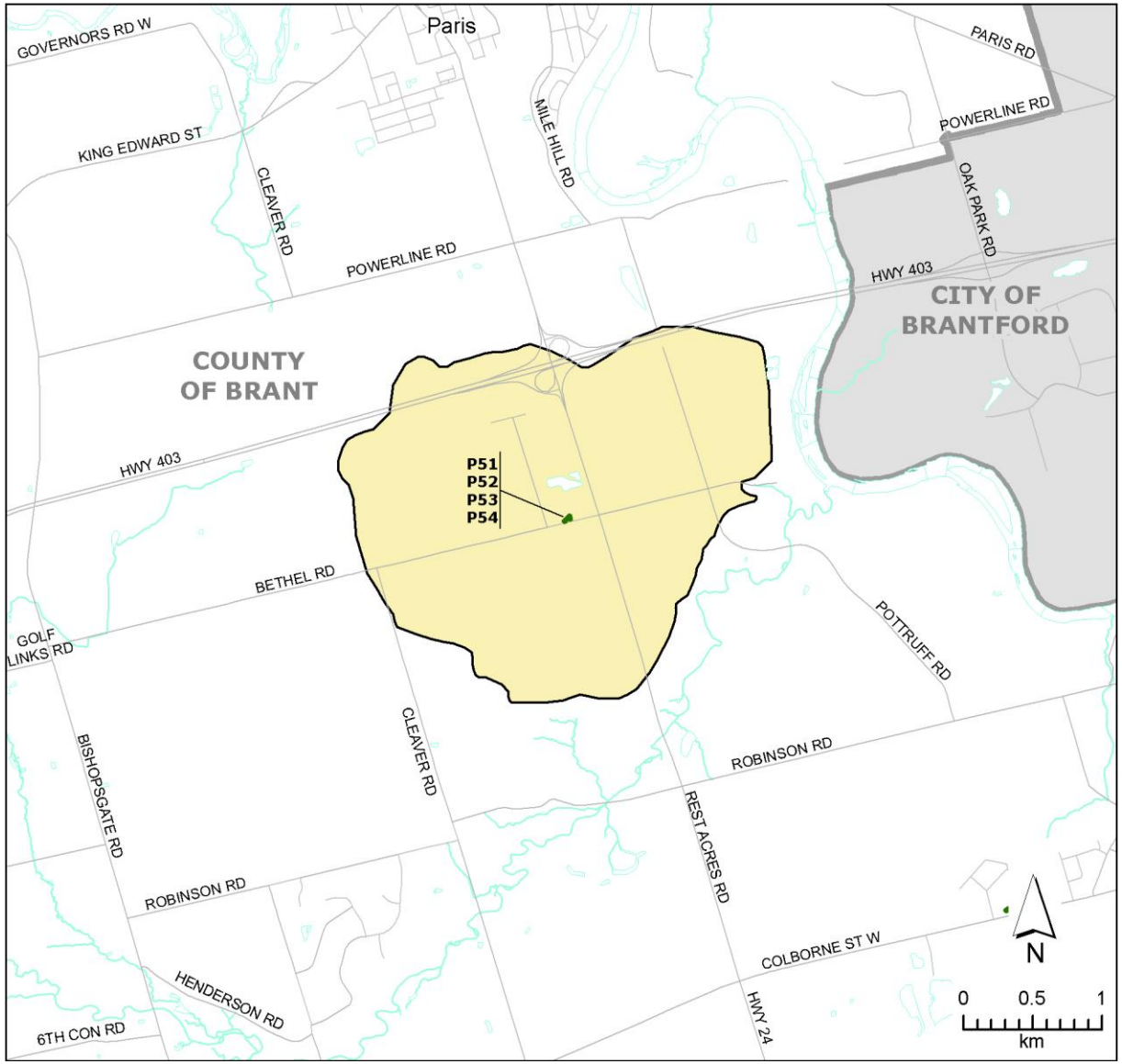
Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) in the Issue Contributing Area(s) shown on this map. For details refer to the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change, and the text of this Source Protection Plan.

- Well with Identified Issue(s)
- Road
- Minor River
- Lake / Major River
- Issue Contributing Area (WHPA-ICA)
- Issue — Associated Issue Parameter

Grand River Conservation Authority

1. Updated February 1, 2024
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule I: County of Brant, Bethel Road Water Supply, Water Quantity



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories
19. An activity that takes water from an aquifer or a surface water body without returning the water taken to the same aquifer or surface water body.
20. An activity that reduces the recharge of an aquifer.

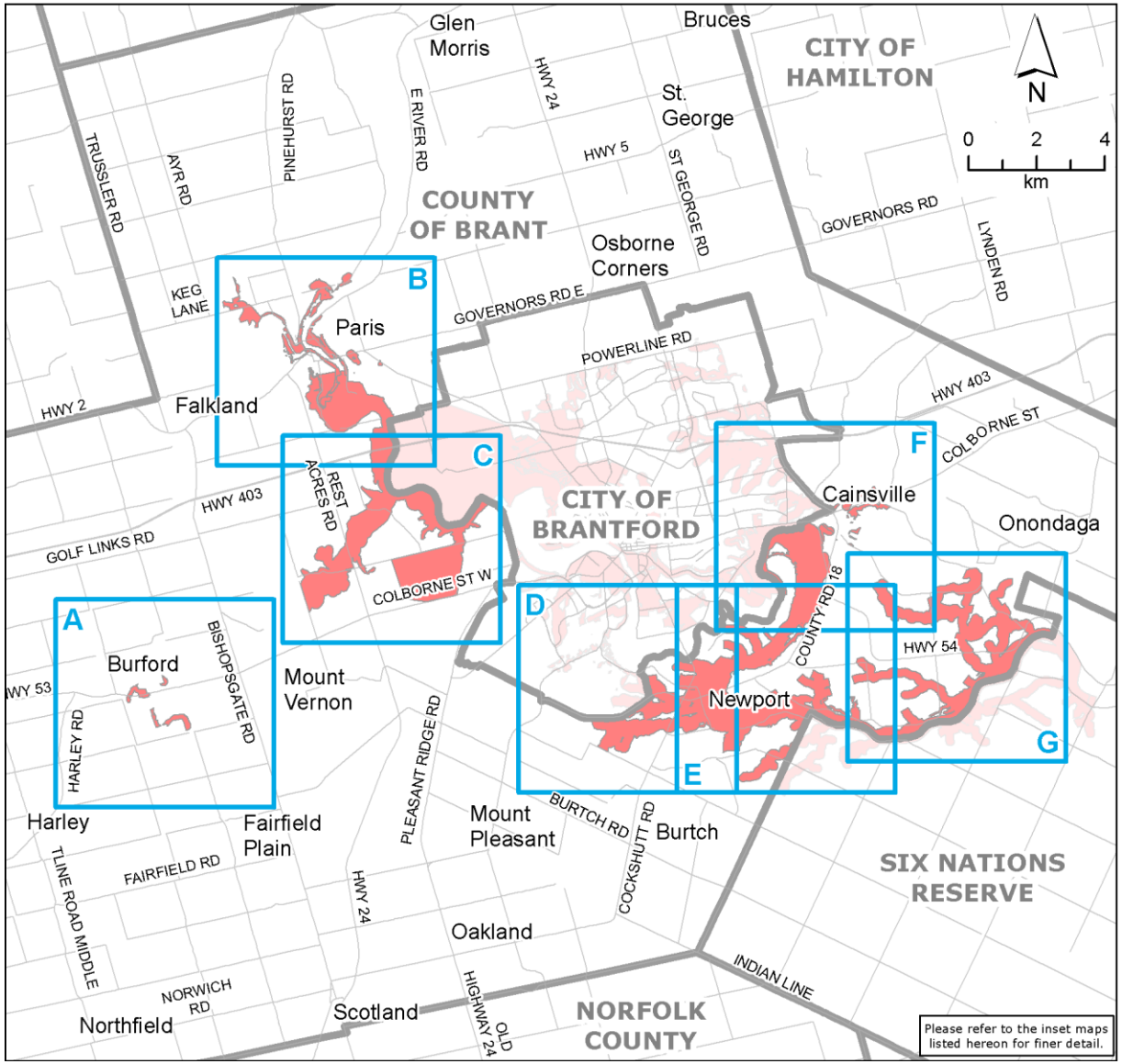
Note: The above activity categories are those listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) in the significant risk WHPA-Q1/Q2 & IPZ-Q areas shown on this map. For details refer to the text of this Source Protection Plan and the Drinking Water Threats Tables from the Ministry of the Environment and Climate Change.

- Minor Rivers
- Lakes / Main Rivers
- Main Roads
- Upper / Single Tier Municipal Boundary
- Lower Tier Municipal Boundary
- WHPA-Q

Grand River Conservation Authority

1. Updated August 23, 2019
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule J: County of Brant, Intake Protection Zones Index Map



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

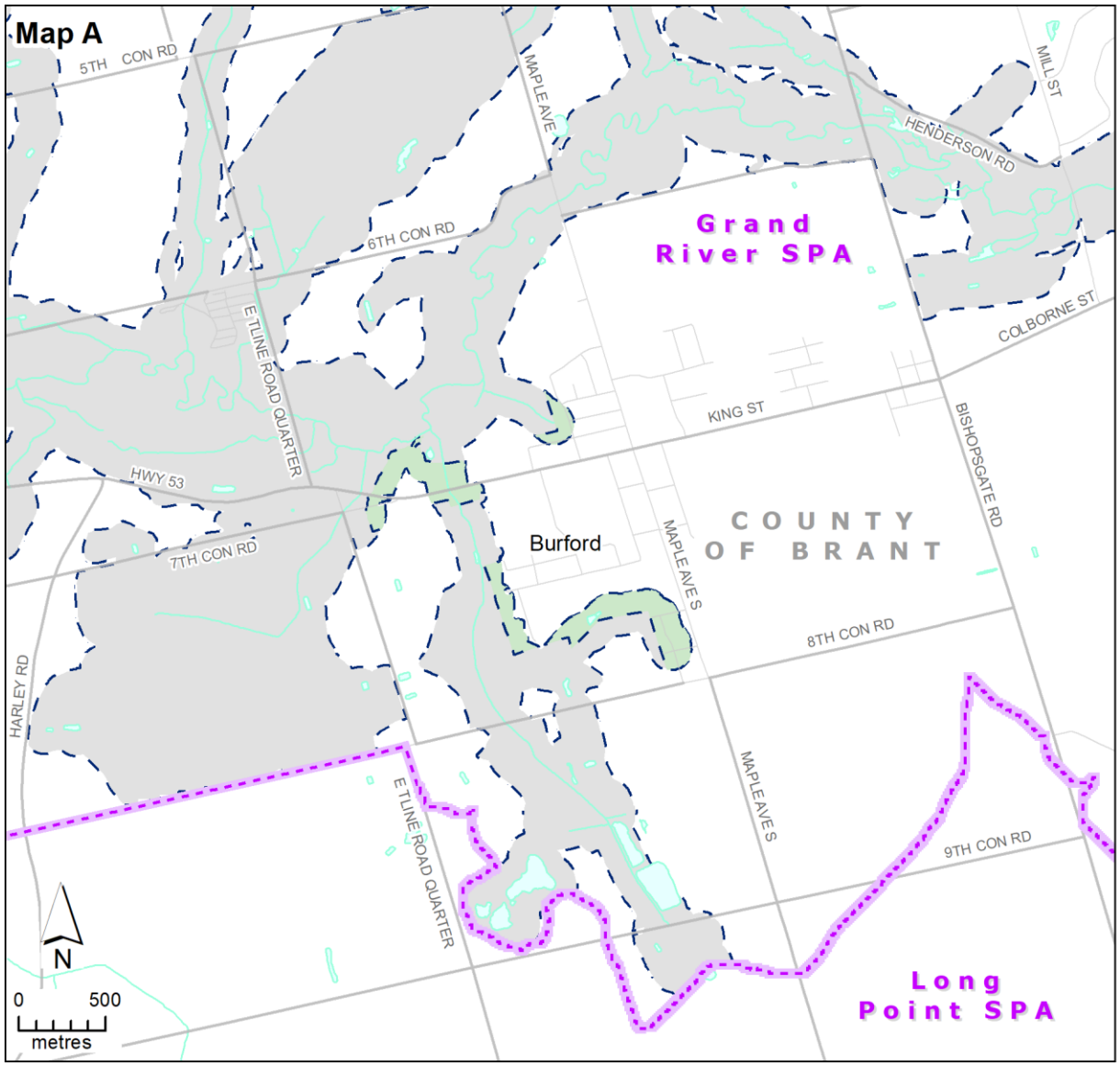
Index Map -
Intake Protection Zones

- Main Roads
- Upper / Single Tier Municipal Boundary
- Inset Map
- Vulnerability Score >= 8

Grand River Conservation Authority

1. Updated November 8, 2018
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule K: County of Brant, Intake Protection Zones, Map A



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map 10	9	8
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Liquid Hydrocarbon Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

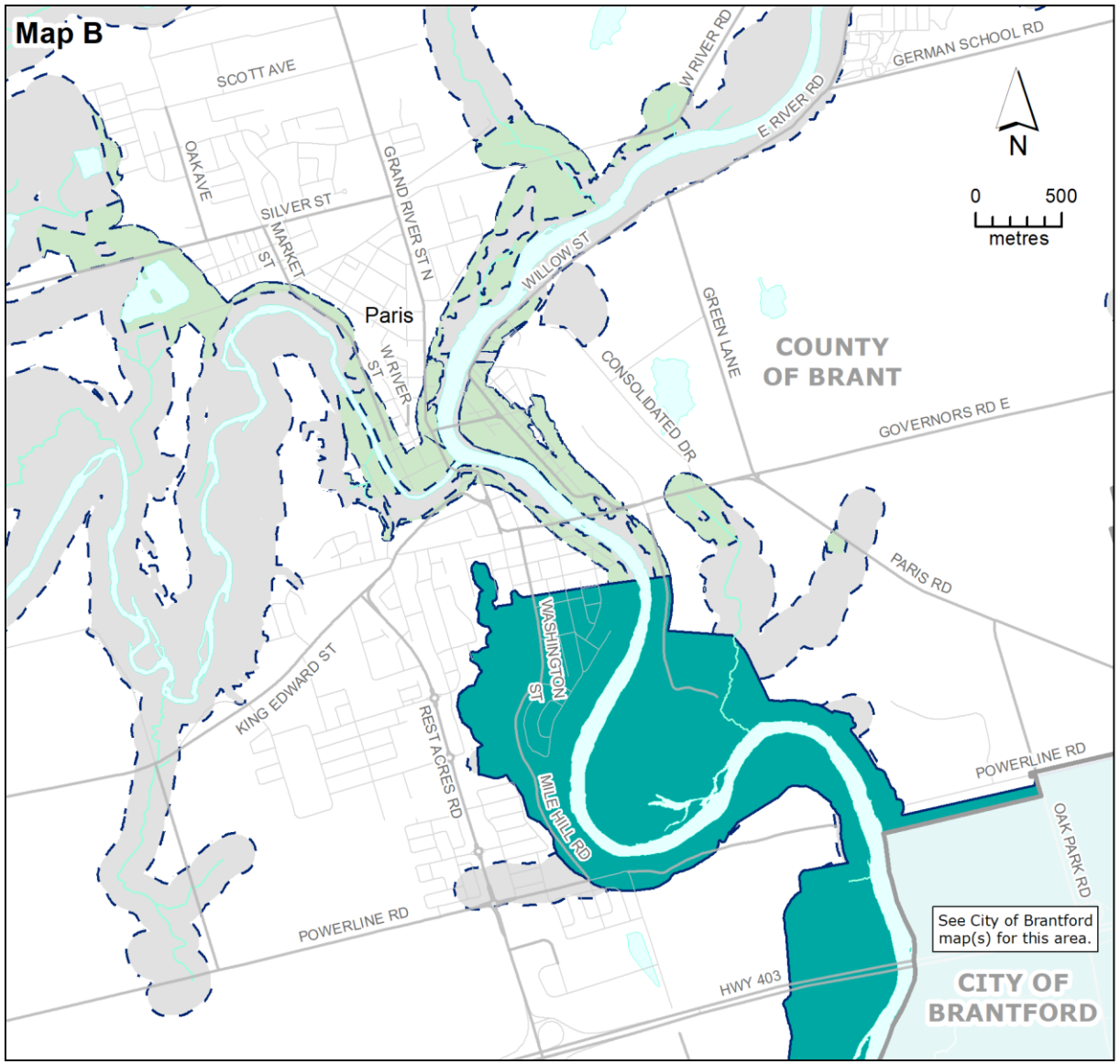
Roads
Minor River
Lake / Main Rivers
SPA Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule L: County of Brant, Intake Protection Zones, Map B



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map 10	9	8
1.	Waste Disposal	■	■	■
2.	Sewage Systems	■	■	■
3, 4.	Agricultural Source Material	■	■	■
6, 7.	Non-Agricultural Source Material*	■	■	■
8, 9.	Commercial Fertilizer*	■	■	
10, 11.	Pesticide	■	■	
12, 13.	Road Salt*	■	■	
14.	Storage of Snow	■	■	■
15.	Fuel	■	■	
16.	DNAPLs	■	■	
17.	Organic Solvents	■		
18.	Aircraft De-icing	■	■	
21.	Livestock Area	■	■	■
22.	Liquid Hydrocarbon Pipelines	■	■	

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

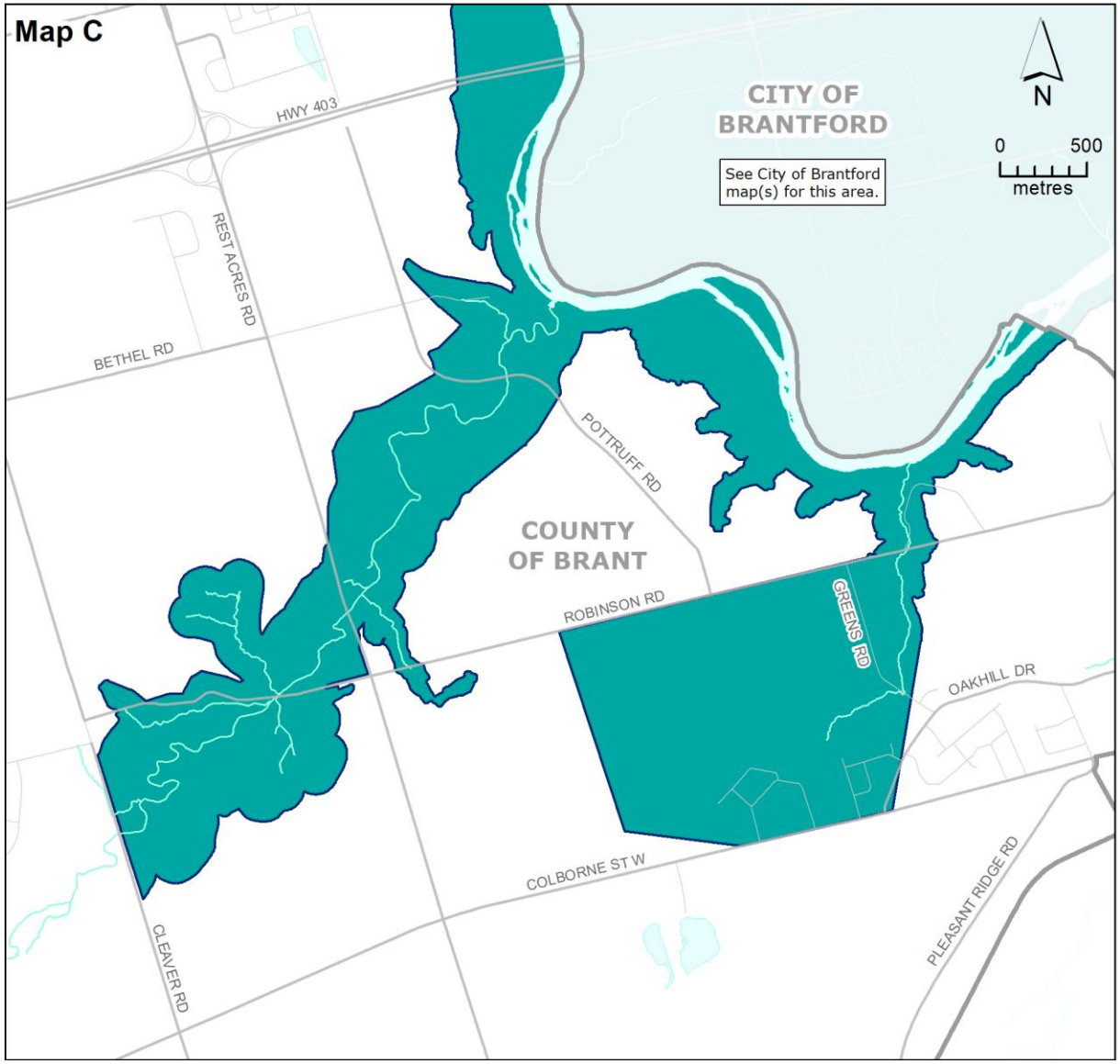
Roads
Minor Rivers
Lakes / Main Rivers
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

Schedule M: County of Brant, Intake Protection Zones, Map C



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map 10	9	8
1.	Waste Disposal	■	■	■
2.	Sewage Systems	■	■	■
3, 4.	Agricultural Source Material	■	■	■
6, 7.	Non-Agricultural Source Material*	■	■	■
8, 9.	Commercial Fertilizer*	■	■	
10, 11.	Pesticide	■	■	
12, 13.	Road Salt*	■	■	
14.	Storage of Snow	■	■	■
15.	Fuel	■	■	
16.	DNAPLs	■	■	
17.	Organic Solvents	■		
18.	Aircraft De-icing	■	■	
21.	Livestock Area	■	■	■
22.	Liquid Hydrocarbon Pipelines	■	■	

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

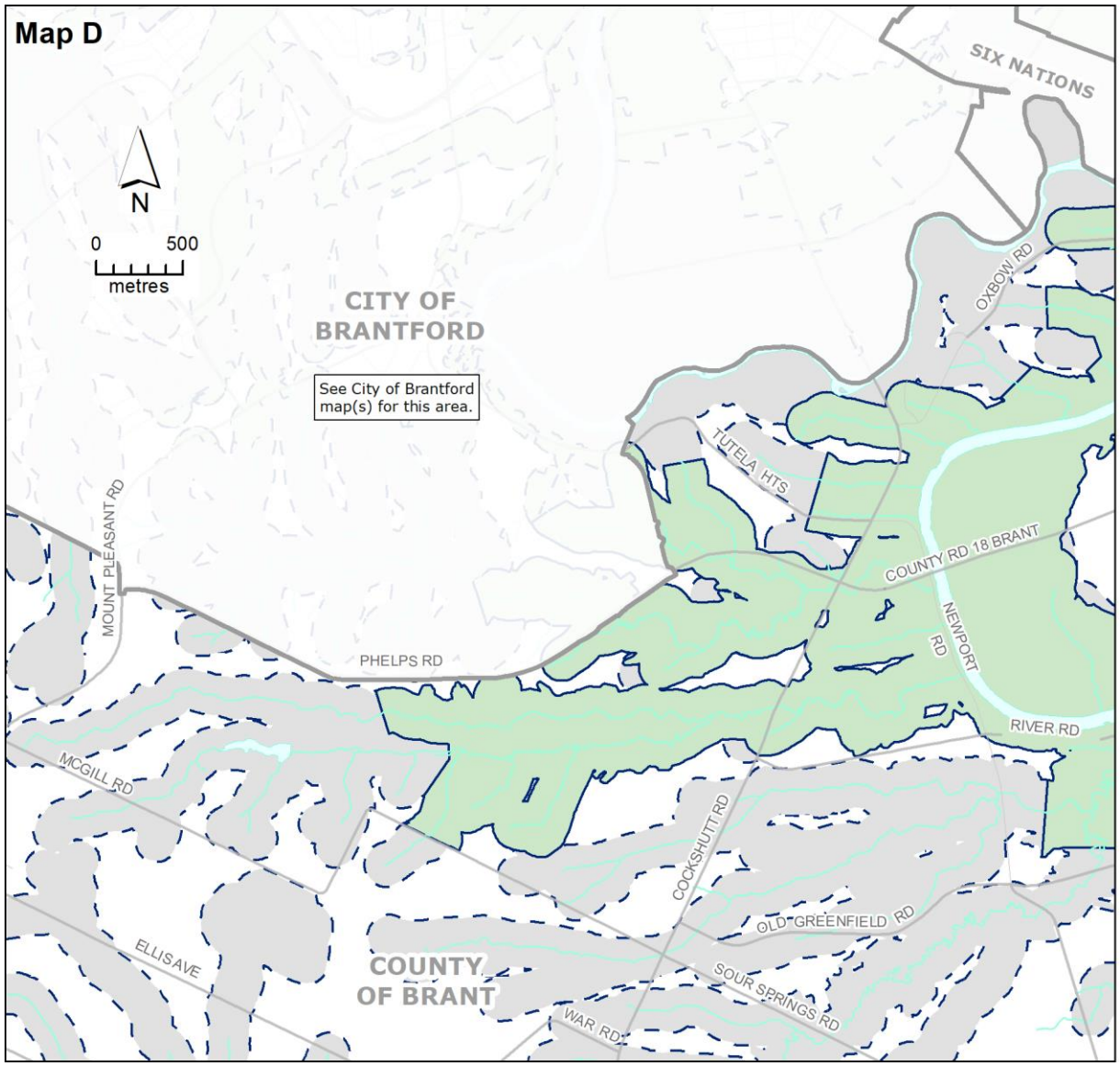
Roads
Minor Rivers
Lake/Reservoir
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule N: County of Brant, Intake Protection Zones, Map D



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map 10	9	8
1.	Waste Disposal			
2.	Sewage Systems			
3, 4.	Agricultural Source Material			
6, 7.	Non-Agricultural Source Material*			
8, 9.	Commercial Fertilizer*			
10, 11.	Pesticide			
12, 13.	Road Salt*			
14.	Storage of Snow			
15.	Fuel			
16.	DNAPLs			
17.	Organic Solvents			
18.	Aircraft De-icing			
21.	Livestock Area			
22.	Liquid Hydrocarbon Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

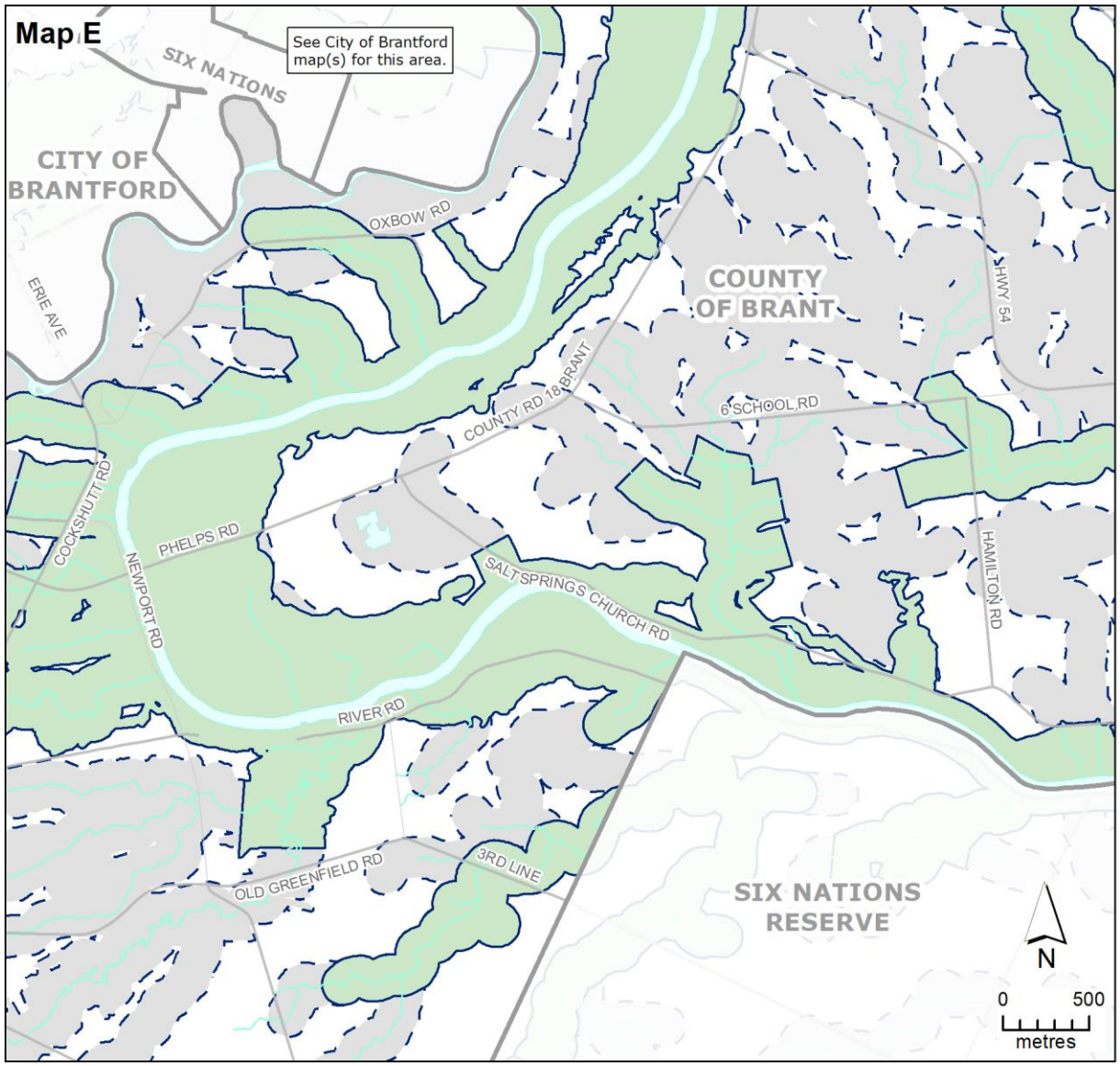
Roads
Minor Rivers
Lakes / Main Rivers
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
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Schedule O: County of Brant, Intake Protection Zones, Map E



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
		10	9	8
1.	Waste Disposal	■	■	■
2.	Sewage Systems	■	■	■
3, 4.	Agricultural Source Material	■	■	■
6, 7.	Non-Agricultural Source Material*	■	■	■
8, 9.	Commercial Fertilizer*	■	■	
10, 11.	Pesticide	■	■	
12, 13.	Road Salt*	■	■	■
14.	Storage of Snow	■	■	■
15.	Fuel	■	■	
16.	DNAPLs	■	■	
17.	Organic Solvents	■		
18.	Aircraft De-icing	■	■	
21.	Livestock Area	■	■	■
22.	Liquid Hydrocarbon Pipelines	■	■	

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

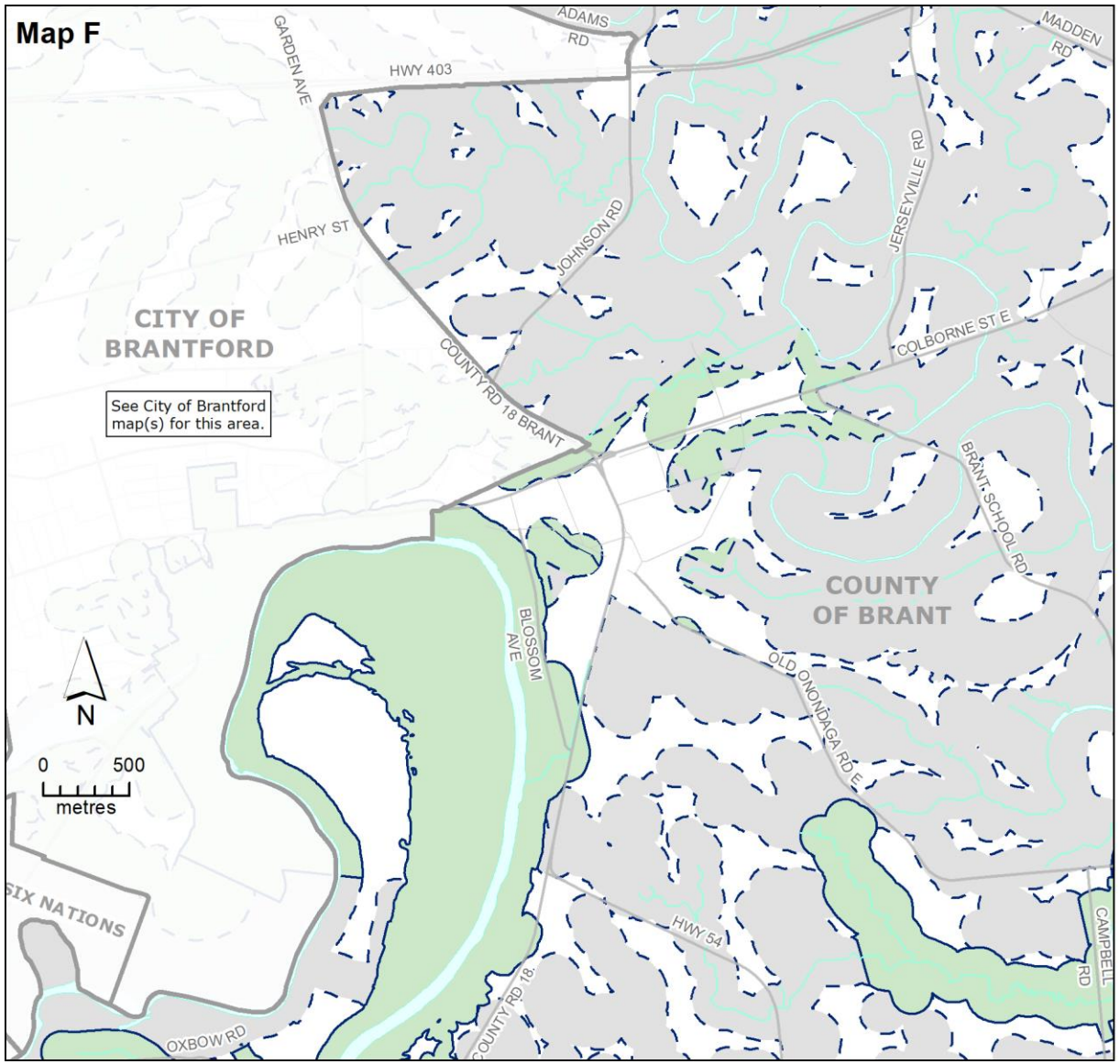
Roads
Minor Rivers
Lakes / Main Rivers
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
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Schedule P: County of Brant, Intake Protection Zones, Map F



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

	Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map 10	9	8
1.	Waste Disposal	■	■	■
2.	Sewage Systems	■	■	■
3, 4.	Agricultural Source Material	■	■	■
6, 7.	Non-Agricultural Source Material*	■	■	■
8, 9.	Commercial Fertilizer*	■	■	
10, 11.	Pesticide	■	■	
12, 13.	Road Salt*	■	■	
14.	Storage of Snow	■	■	■
15.	Fuel	■	■	
16.	DNAPLs	■	■	
17.	Organic Solvents	■		
18.	Aircraft De-icing	■	■	
21.	Livestock Area	■	■	■
22.	Liquid Hydrocarbon Pipelines	■	■	

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

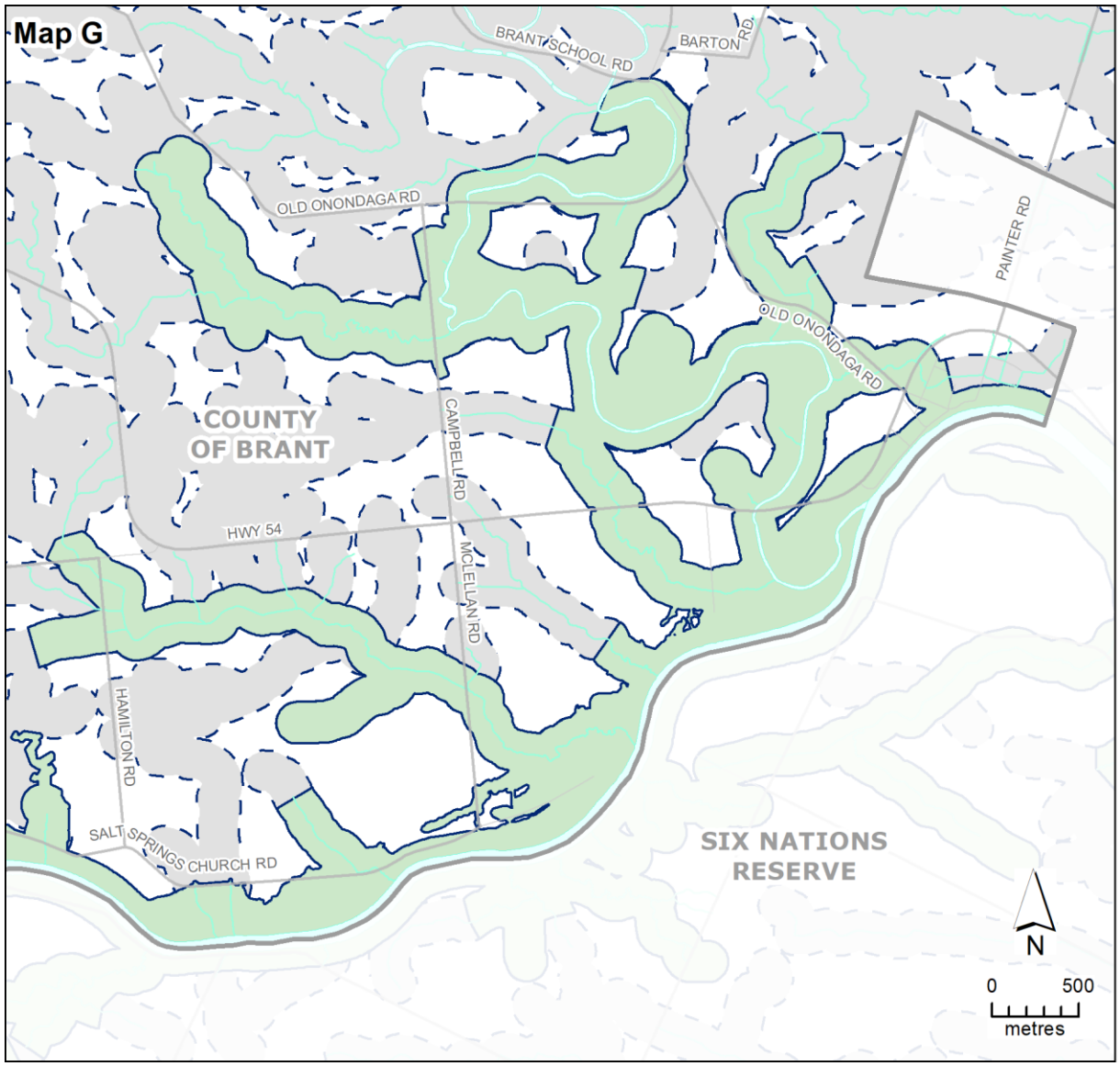
Roads
Minor Rivers
Lakes / Main Rivers
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule Q: County of Brant, Intake Protection Zones, Map G



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories		Vulnerability Scores on Map		
		10	9	8
1.	Waste Disposal	■	■	■
2.	Sewage Systems	■	■	■
3, 4.	Agricultural Source Material	■	■	■
6, 7.	Non-Agricultural Source Material*	■	■	■
8, 9.	Commercial Fertilizer*	■	■	
10, 11.	Pesticide	■	■	
12, 13.	Road Salt*	■	■	
14.	Storage of Snow	■	■	■
15.	Fuel	■	■	
16.	DNAPLs	■	■	
17.	Organic Solvents	■		
18.	Aircraft De-icing	■	■	
21.	Livestock Area	■	■	■
22.	Liquid Hydrocarbon Pipelines	■	■	

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Intake Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
*Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

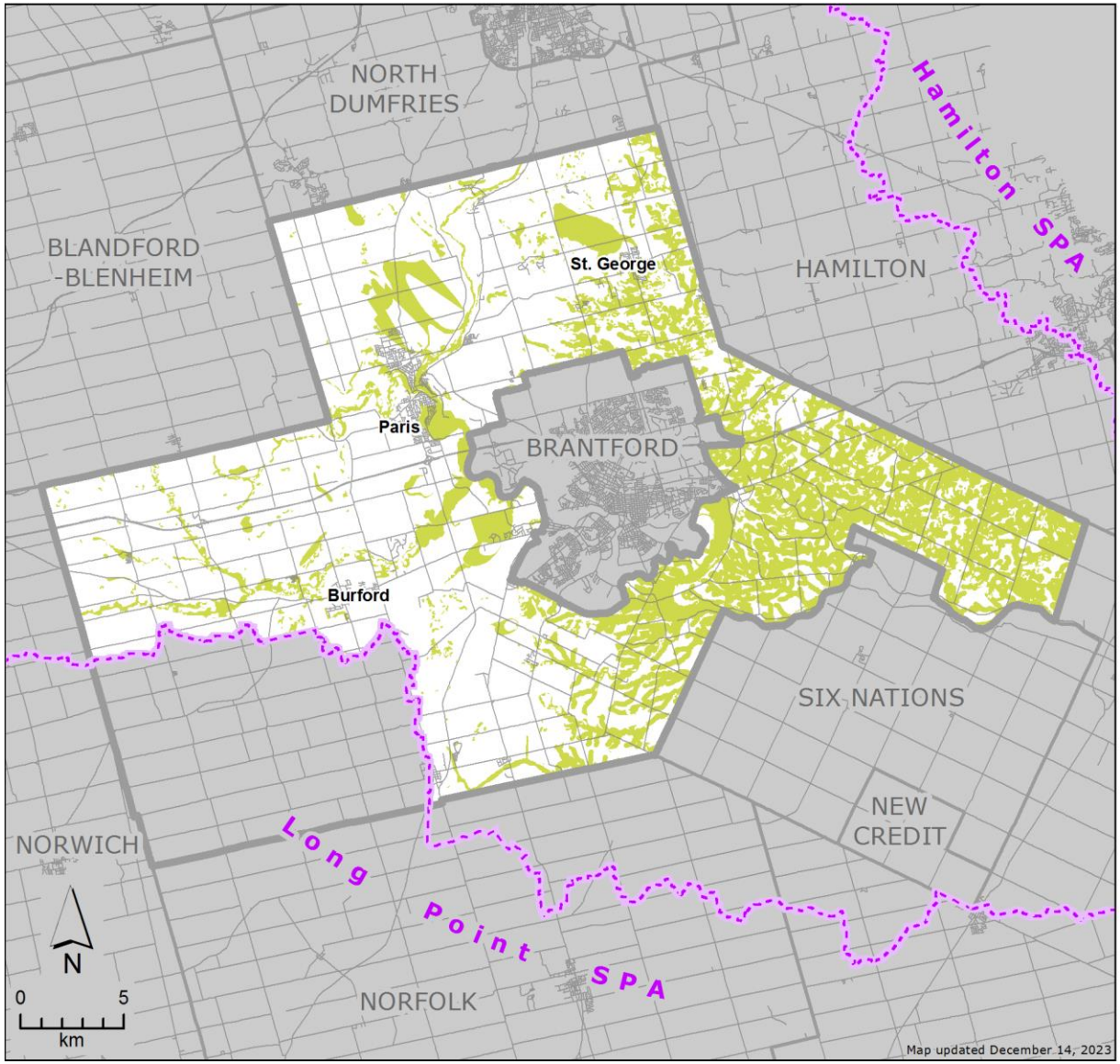
Roads
Minor Rivers
Lakes / Main Rivers
County of Brant Boundary

Intake Protection Zones:
IPZ-2
IPZ-3

Grand River Conservation Authority

1. Updated January 7, 2025
2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
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Schedule R: County of Brant: Areas Where Low/Moderate Liquid Hydrocarbon Pipeline Policies May Apply



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

Low/Moderate Drinking Water Threat Policy Applicability

County of Brant:
Liquid Hydrocarbon Pipelines

- Grand River SPA Boundary
- Brant County Boundary
- Other Municipal Boundary
- Roads
- Areas Where Low / Moderate Policies May Apply

Grand River Conservation Authority