

Threats Tables

The tables included and referenced in this appendix are intended to provide information on the types of activities which are or would be significant, moderate or low threats, as well as the circumstances which would result in the activity being a significant, moderate or low threat.

The province developed tables of drinking water threats which are posted on the MOE website (<http://www.ene.gov.on.ca/en/water/cleanwater/cwa-technical-rules.php>). These tables include the prescribed activities that can be identified as threats, the vulnerable areas where they can be identified as threats, the circumstances which make them threats and the level of risk that they pose in that area under those circumstances. The Technical Rules require that assessment reports identify the activities which would be threats and the areas where, within the vulnerable areas, they would be considered significant, moderate or low threats. The tables included and referenced in this appendix are intended to help satisfy that requirement.

The tables in this appendix should be read in conjunction with the maps related to Section 7 – Threats and Risk Assessment and the tables included on those maps. These maps, included in Appendix 1 of the Assessment Report, identify the areas where activities are or would be significant, moderate or low threats. The tables on the maps indicate the vulnerability and vulnerable area in which the activities would be significant, moderate or low threats. The tables included in this appendix indicate which activities in each of those vulnerable areas (as identified by the vulnerability score) would be significant, moderate or low. The tables are numbered based on the appendix that they are contained in (A10), the series (1), the vulnerable area (I2 for IPZ-2, WB for WHPA-B), and the vulnerability score (4.6) (eg. A10-1-I2-4.6 would indicate the activities which would be threats in an IPZ-2 with a vulnerability score of 4.6). The tables are included in the appendix in alpha-numeric order.

To determine the circumstances which would result in activities being significant, moderate or low, one can refer to the province's tables of drinking water threats discussed in the previous paragraph. The province has also developed individual tables which list the activities as either significant, moderate or low for a specific type of

vulnerable area and with a specific vulnerability score. There are 76 tables many of which are up to or over 50 pages. As such they have not been included in this Assessment Report, but are available on the internet. A link to the tables is provided at <http://www.sourcewaterprotection.on.ca/threats>.

An interactive threats tool has also been developed to search, query and filter the threats tables. This tool is based on the lookup tables which the province utilized to develop the tables of drinking water threats. This tool continues to be refined and updated as the province issues updated versions of the lookup tables. It is provided "*as is- with no warranty as to its accuracy or completeness*". The tool allows the user to explore the activities and the circumstances around those activities and determine the potential level of risk that would result in that area. As the work is continually being updated and improved it is important that the user refer to the official version of the tables of drinking water threats to confirm the results from the threats tool. This tool can be accessed from the web page <http://www.sourcewaterprotection.on.ca/threats>.

Table A10-1-WA-10 Circumstance which would result in a threat by prescribed activity in a WHPA-A with a vulnerability score of 10	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	Yes	Yes	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	Yes	Yes	Yes	Yes	Yes	No
3. The application of agricultural source material to land.	Yes	Yes	Yes	No	No	No
4. The storage of agricultural source material.	Yes	Yes	Yes	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	Yes	Yes	Yes	Yes	No	No
7. The handling and storage of non-agricultural source material.	Yes	Yes	Yes	Yes	No	No
8. The application of commercial fertilizer to land.	Yes	n/a	Yes	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	Yes	n/a	Yes	n/a	Yes	n/a
10. The application of pesticide to land.	Yes	n/a	Yes	n/a	Yes	n/a
11. The handling and storage of pesticide.	Yes	n/a	Yes	n/a	Yes	n/a
12. The application of road salt.	Yes	n/a	Yes	n/a	Yes	n/a
13. The handling and storage of road salt.	Yes	n/a	Yes	n/a	Yes	n/a
14. The storage of snow.	Yes	n/a	Yes	n/a	No	n/a
15. The handling and storage of fuel.	Yes	n/a	Yes	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	Yes	n/a	Yes	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	Yes	n/a	Yes	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	Yes	Yes	Yes	No	No	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.

Table A10-1-WB-6 Circumstance which would result in a threat by prescribed activity in a WHPA-B with a vulnerability score of 6	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	Yes	No	Yes	Yes
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	Yes	No	Yes	Yes
3. The application of agricultural source material to land.	No	No	No	No	Yes	Yes
4. The storage of agricultural source material.	No	No	No	No	Yes	Yes
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	Yes	Yes
7. The handling and storage of non-agricultural source material.	No	No	No	No	Yes	Yes
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	Yes	n/a
12. The application of road salt.	No	n/a	No	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	Yes	n/a
14. The storage of snow.	No	n/a	No	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	Yes	Yes
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-WB-8 Circumstance which would result in a threat by prescribed activity in a WHPA-B with a vulnerability score of 8	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	Yes	No	Yes	Yes	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	Yes	No	Yes	Yes	Yes	Yes
3. The application of agricultural source material to land.	No	No	Yes	Yes	Yes	No
4. The storage of agricultural source material.	No	No	Yes	Yes	Yes	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	Yes	Yes	Yes	Yes
7. The handling and storage of non-agricultural source material.	No	No	Yes	Yes	Yes	Yes
8. The application of commercial fertilizer to land.	No	n/a	Yes	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	Yes	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	Yes	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	Yes	n/a	Yes	n/a
12. The application of road salt.	No	n/a	Yes	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	Yes	n/a	Yes	n/a
14. The storage of snow.	No	n/a	Yes	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	Yes	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	Yes	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	Yes	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	Yes	Yes	Yes	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.

Table A10-1-WB-10 Circumstance which would result in a threat by prescribed activity in a WHPA-B with a vulnerability score of 10	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	Yes	Yes	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	Yes	Yes	Yes	Yes	Yes	No
3. The application of agricultural source material to land.	Yes	Yes	Yes	No	No	No
4. The storage of agricultural source material.	Yes	Yes	Yes	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	Yes	Yes	Yes	Yes	No	No
7. The handling and storage of non-agricultural source material.	Yes	Yes	Yes	Yes	No	No
8. The application of commercial fertilizer to land.	Yes	n/a	Yes	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	Yes	n/a	Yes	n/a	Yes	n/a
10. The application of pesticide to land.	Yes	n/a	Yes	n/a	Yes	n/a
11. The handling and storage of pesticide.	Yes	n/a	Yes	n/a	Yes	n/a
12. The application of road salt.	Yes	n/a	Yes	n/a	Yes	n/a
13. The handling and storage of road salt.	Yes	n/a	Yes	n/a	Yes	n/a
14. The storage of snow.	Yes	n/a	Yes	n/a	No	n/a
15. The handling and storage of fuel.	Yes	n/a	Yes	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	Yes	n/a	Yes	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	Yes	n/a	Yes	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	Yes	Yes	Yes	No	No	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.

Table A10-1-WC-2 Circumstance which would result in a threat by prescribed activity in a WHPA-C with a vulnerability score of 2	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-WC-4 Circumstance which would result in a threat by prescribed activity in a WHPA-C with a vulnerability score of 4	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-WC-6 Circumstance which would result in a threat by prescribed activity in a WHPA-C with a vulnerability score of 6	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	Yes	No	Yes	No
3. The application of agricultural source material to land.	No	No	No	No	Yes	No
4. The storage of agricultural source material.	No	No	No	No	Yes	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	Yes	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	Yes	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	Yes	n/a
12. The application of road salt.	No	n/a	No	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	Yes	n/a
14. The storage of snow.	No	n/a	No	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	Yes	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.

Table A10-1-WC-8 Circumstance which would result in a threat by prescribed activity in a WHPA-C with a vulnerability score of 8	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	Yes	No	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	Yes	No	Yes	No	Yes	No
3. The application of agricultural source material to land.	No	No	Yes	No	Yes	No
4. The storage of agricultural source material.	No	No	Yes	No	Yes	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	Yes	No	Yes	No
7. The handling and storage of non-agricultural source material.	No	No	Yes	No	Yes	No
8. The application of commercial fertilizer to land.	No	n/a	Yes	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	Yes	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	Yes	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	Yes	n/a	Yes	n/a
12. The application of road salt.	No	n/a	Yes	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	Yes	n/a	Yes	n/a
14. The storage of snow.	No	n/a	Yes	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	Yes	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	Yes	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	Yes	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	Yes	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	Yes	Yes	Yes	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.

Table A10-1-WD-2 Circumstance which would result in a threat by prescribed activity in a WHPA-D with a vulnerability score of 2	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-WD-4 Circumstance which would result in a threat by prescribed activity in a WHPA-D with a vulnerability score of 4	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.						

Table A10-1-WD-6 Circumstance which would result in a threat by prescribed activity in a WHPA-D with a vulnerability score of 6	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	Yes	No	Yes	No
3. The application of agricultural source material to land.	No	No	No	No	Yes	No
4. The storage of agricultural source material.	No	No	No	No	Yes	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	Yes	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	Yes	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	Yes	n/a
12. The application of road salt.	No	n/a	No	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	Yes	n/a
14. The storage of snow.	No	n/a	No	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	Yes	n/a	Yes	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	Yes	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the UTRSPA.						

Table A10-1-HV-6 Circumstance which would result in a threat by prescribed activity in a HVA with a vulnerability score of 6	Threat level dependant on circumstances related to the activity					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	Yes	No	Yes	No
3. The application of agricultural source material to land.	No	No	No	No	Yes	No
4. The storage of agricultural source material.	No	No	No	No	Yes	No
5. The management of agricultural source material.	n/a	No	n/a	No	n/a	No
6. The application of non-agricultural source material to land.	No	No	No	No	Yes	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	Yes	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	Yes	n/a
12. The application of road salt.	No	n/a	No	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	Yes	n/a
14. The storage of snow.	No	n/a	No	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	Yes	n/a	Yes	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	Yes	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.

Table A10-1-SG-2 Circumstance which would result in a threat by prescribed activity in a SGRA with a vulnerability score of 2	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-SG-4 Circumstance which would result in a threat by prescribed activity in a SGRA with a vulnerability score of 4	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	No	No	No	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	No	No	No	No
3. The application of agricultural source material to land.	No	No	No	No	No	No
4. The storage of agricultural source material.	No	No	No	No	No	No
5. The management of agricultural source material.	No	No	No	No	No	No
6. The application of non-agricultural source material to land.	No	No	No	No	No	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	No	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	No	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	No	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	No	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	No	n/a
12. The application of road salt.	No	n/a	No	n/a	No	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	No	n/a
14. The storage of snow.	No	n/a	No	n/a	No	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	No	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	No	n/a	No	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	No	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	No	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	No	No
Notes: - n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.						

Table A10-1-SG-6 Circumstance which would result in a threat by prescribed activity in a SGRA with a vulnerability score of 6	<i>Threat level dependant on circumstances related to the activity</i>					
Prescribed Drinking Water Threat (Activity)	Significant		Moderate		Low	
	Chemical	Pathogen	Chemical	Pathogen	Chemical	Pathogen
1. The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	No	No	Yes	No	Yes	No
2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	No	No	Yes	No	Yes	No
3. The application of agricultural source material to land.	No	No	No	No	Yes	No
4. The storage of agricultural source material.	No	No	No	No	Yes	No
5. The management of agricultural source material.	n/a	No	n/a	No	n/a	No
6. The application of non-agricultural source material to land.	No	No	No	No	Yes	No
7. The handling and storage of non-agricultural source material.	No	No	No	No	Yes	No
8. The application of commercial fertilizer to land.	No	n/a	No	n/a	Yes	n/a
9. The handling and storage of commercial fertilizer.	No	n/a	No	n/a	Yes	n/a
10. The application of pesticide to land.	No	n/a	No	n/a	Yes	n/a
11. The handling and storage of pesticide.	No	n/a	No	n/a	Yes	n/a
12. The application of road salt.	No	n/a	No	n/a	Yes	n/a
13. The handling and storage of road salt.	No	n/a	No	n/a	Yes	n/a
14. The storage of snow.	No	n/a	No	n/a	Yes	n/a
15. The handling and storage of fuel.	No	n/a	No	n/a	Yes	n/a
16. The handling and storage of a dense non-aqueous phase liquid.	No	n/a	Yes	n/a	Yes	n/a
17. The handling and storage of an organic solvent.	No	n/a	No	n/a	Yes	n/a
18. The management of runoff that contains chemicals used in the de-icing of aircraft.	No	n/a	No	n/a	Yes	n/a
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.	n/a	n/a	n/a	n/a	n/a	n/a
20. An activity that reduces the recharge of an aquifer.	n/a	n/a	n/a	n/a	n/a	n/a
21. The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	No	No	No	No	Yes	No

Notes:

- n/a means that the combination of zone and activity is not applicable. In the case of activities 19 and 20 which pertain to water quantity threats, these will only be identified in a WHPA-Q1 or Q2, through a Tier 3 Water Budget. Current information indicates that there are none of these identified in the LTVSPA.