



February 11, 2019

Notice of Pre-Consultation – Draft Updated Grand River Source Protection Plan

You are being provided this notice and information because your ministry/municipality may be affected by recent updates to water quality Wellhead Protection Areas (WHPA) and/or are responsible for the implementation of one or more of the revised water quality source protection plan policies.

The Ministry of the Environment, Conservation and Parks (MECP) approved the Grand River Assessment Report and Source Protection Plan November 26, 2015. Since approval, additional technical studies have been completed in Grey County, Township of Southgate and Dufferin County, Town of Shelburne. The studies included WHPA updates for the Dundalk and Shelburne well supplies. No new policies resulted from these studies. A couple amendments were made to existing policies (**Appendix A**):

- Revision to Implementation Timing policies
- Local threat: The Conveyance of Oil by way of Underground Pipelines changed to Prescribed Drinking Water Threat #22: The Establishment and Operation of a Liquid Hydrocarbon Pipeline
- Revision to recharge reduction policy (Amaranth and East Garafraxa only)

Additional editorial changes were also made but have not been included in the pre-consultation notice.

The Grand River Source Protection Authority is the lead authority in the Lake Erie Source Protection Region and as such along with the Lake Erie Region Source Protection Committee initiated an update to the Grand River Source Protection Plan and Assessment Report under s.34 of the *Clean Water Act, 2006* to include the recently completed water quality technical studies.

Draft updated policy applicability maps for the Township of Amaranth, Shelburne Well Supply, Township of Melancthon, Shelburne and Dundalk well supplies are included in **Appendix B**.

Please review the source protection plan updates as they relate to your requirements for implementation and provide any comments by **March 25, 2019** to:

Martin Keller
Source Protection Program Manager
Lake Erie Source Protection Region
400 Clyde Rd., Box 729, Cambridge, ON N1R 5W6
519-620-7595
mkeller@grandriver.ca

If you would like to discuss any of the material provided in this notice, please contact Martin Keller, Source Protection Program Manager, at the phone number or email listed above.



Municipal Endorsement and Public Consultation

As required by S.34(3) of the Clean Water Act, 2006, the Grand River Source Protection Authority must obtain municipal council resolutions from the Townships of Amaranth, Melancthon and Dufferin County prior to formal public consultation.

The Grand River Source Protection Authority is requesting resolutions from the Councils of the Townships of Amaranth, Melancthon and Dufferin County by **April 3, 2019**. Resolutions can be sent to Martin Keller at the address above.

The public consultation period on the Draft Updated Grand River Source Protection Plan is scheduled to start on Monday, April 8, 2019 following the April 4, 2019 Lake Erie Region Source Protection Committee meeting, and closes on Tuesday, May 21, 2019.

Following the public consultation period, the Lake Erie Region Source Protection Committee will consider any comments received at their meeting on June 20, 2019 and direct staff to revise the Draft Updated Grand River Source Protection Plan, as necessary. The revised Draft Updated Plan will then be released to the Grand River Source Protection Authority for submission the MECP.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Keller".

Source Protection Program Manager
Lake Erie Source Protection Region

Appendix A:
Draft Source Protection Plan amendments

Policy Number	Source Protection Plan Policies within the Townships of Amaranth and East Garafraxa
Implementation Timing	
<p>DC-AEG-CW-1.1</p> <p><i>Implementation & Timing</i></p>	<p>Except as set out below, the policies contained in this Source Protection Plan will take effect on the date set by the Minister.</p> <ol style="list-style-type: none"> a. For Section 57 of the <i>Clean Water Act</i>, 2006 if an activity was engaged in at a particular location before 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 takes effect; b. For Section 58 of the <i>Clean Water Act</i>, 2006 if an activity was engaged in at a particular location before 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 should 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 of the notice; c. For Section 59 of the <i>Clean Water Act</i>, 2006 policies regarding restricted land uses shall take effect the same day the Source Protection Plan takes effect; d. Where the Source Protection Policies require the Townships 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 Source Protection Plan comes into full force and effect; e. For Sections 43 of the <i>Clean Water Act</i>, 2006 if an activity was engaged in at a particular location before this Source Protection Plan or amendment took effect; amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect. f. For Section 40 and 42 of the <i>Clean Water Act</i>, 2006 the Official Plan and Zoning By-Laws must be amended to conform with the significant threat policies and adopted by municipal council by the next five (5) year Official Plan update as required under subsection 26 of the <i>Planning Act</i> and the Zoning By-law within two (2) years from the adoption of the Official Plan conformity amendment.
Local Threat: The Conveyance of Oil by way of Underground Pipelines	
<p>DC-AEG-NB-1.11</p> <p><i>Future Specify Action WHPA-A v.10; WHPA-B v.10</i></p> <p><i>Monitoring</i></p>	<p>To ensure this activity never becomes a significant drinking water threat, the conveyance of oil by way of underground pipeline within the meaning of O.Reg. 210/01 under the <i>Technical Standards and Safety Authority Act</i> or under the <i>National Energy Board Act</i>, the National Energy Board and Ontario Energy Board in their consideration of any pipelines within vulnerable areas where the activity would be a significant drinking water threat, are encouraged to ensure the applicant has complied with or included appropriate design standards and monitoring and maintenance practices, where applicable, to reduce the risk to drinking water sources.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas.</p>

Policy Number	Source Protection Plan Policies within the Townships of Amaranth and East Garafraxa
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.	
DC-AEG-NB-13.4 <i>Existing/Future Research WHPA-Q2</i>	<p>To ensure any existing and future activity that reduces the recharge of an aquifer ceases to be or never becomes a significant drinking water threat, where the activity is or would be a significant threat within the WHPA-Q2 the Ministry of the Environment and Climate Change Ministry of the Environment, Conservation and Parks, in consultation with the Townships, is encouraged to undertake an evaluation and analysis to identify research opportunities to develop plans and take appropriate actions to promote recharge on industrial, commercial and institutional lands. This may include seeking partnerships for funding these research activities. If funding becomes available, future developments within the WHPA-Q2 may be subject to the findings of this research and monitored for effectiveness.</p>
22. The Establishment and Operation of a Liquid Hydrocarbon Pipeline	
DC-AEG-NB-14.1 <i>Future Specify Action WHPA-A v.10; WHPA-B v.10</i> <i>Monitoring</i>	<p>To ensure this activity never becomes a significant drinking water threat, the conveyance of oil by way of underground pipeline within the meaning of O.Reg. 210/01 under the <i>Technical Standards and Safety Authority Act</i> or under the <i>National Energy Board Act</i>, the National Energy Board and Ontario Energy Board in their consideration of any pipelines within vulnerable areas where the activity would be a significant drinking water threat, are encouraged to ensure the applicant has complied with or included appropriate design standards and monitoring and maintenance practices, where applicable, to reduce the risk to drinking water sources.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas.</p>

Policy Number	Source Protection Plan Policies within the Town of Grand Valley
Implementation and Timing	
DC-GV-CW-1.1 <i>Implement. & Timing</i>	<p>Except as set out below, the policies contained in this Source Protection Plan shall take effect on the date set by the Minister.</p> <ol style="list-style-type: none"> For Section 57 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before 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 takes effect; For Section 58 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before 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 should 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 of the notice; For Section 59 of the <i>Clean Water Act, 2006</i>, policies regarding restricted land uses shall take effect the same day the Source Protection Plan takes effect; Where the Source Protection Policies require the Town to develop and

Policy Number	Source Protection Plan Policies within the Town of Grand Valley
	<p>implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat and where they are deemed necessary and/or appropriate by the Town and subject to available funding, such programs shall be developed and implemented within five (5) years from the date the Source Protection Plan takes effect;</p> <p>e. For Sections 43 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before this Source Protection Plan or amendment took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect.</p> <p>f. For Section 40 and 42 of the <i>Clean Water Act, 2006</i>, the Official Plan and Zoning By-Laws must be amended to conform with the significant threat policies and adopted by municipal council by the next five (5) year Official Plan update as required under subsection 26(1) of the <i>Planning Act</i> or within five (5) years from the date the Source Protection Plan takes effect.</p>
Local Threat: The Conveyance of Oil by way of Underground Pipelines	
<p>DC-GV-NB-1.13</p> <p><i>Future Specify Action WHPA-A-v.10 WHPA-B-v.10</i></p> <p><i>Monitoring</i></p>	<p>To reduce the risks to drinking water due to the conveyance of oil by way of underground pipeline within the meaning of O. Reg. 210/01 under the <i>Technical Safety and Standards Act</i> or is subject to the <i>National Energy Board Act</i>, where the activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board, and Ontario Energy Board, are encouraged to provide the Source Protection Authority and the Town the location of any new proposed pipeline within the Town and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas if a pipeline has been proposed and/or an application has been received.</p>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the Town of Grand Valley
22. The Establishment and Operation of a Liquid Hydrocarbon Pipeline	
<p>DC-GV-NB-11.1</p> <p><i>Future Specify Action WHPA-A-v.10 WHPA-B-v.10</i></p> <p><i>Monitoring</i></p>	<p>To reduce the risks to drinking water due to the conveyance of oil by way of underground pipeline within the meaning of O. Reg. 210/01 under the <i>Technical Safety and Standards Act</i> or is subject to the <i>National Energy Board Act</i>, where the activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board, and Ontario Energy Board, are encouraged to provide the Source Protection Authority and the Town the location of any new proposed pipeline within the Town and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas if a pipeline has been proposed and/or an application has been received.</p>

Policy Number	Source Protection Plan Policies within the Township of Melancthon
Implementation and Timing	
<p>DC-M-CW-1.1</p> <p><i>Implement. & Timing</i></p>	<p>Except as set out below, the policies contained in this Source Protection Plan shall take effect on the date set by the Minister.</p> <p>a. For Section 57 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before this Source Protection Plan took effect,</p>

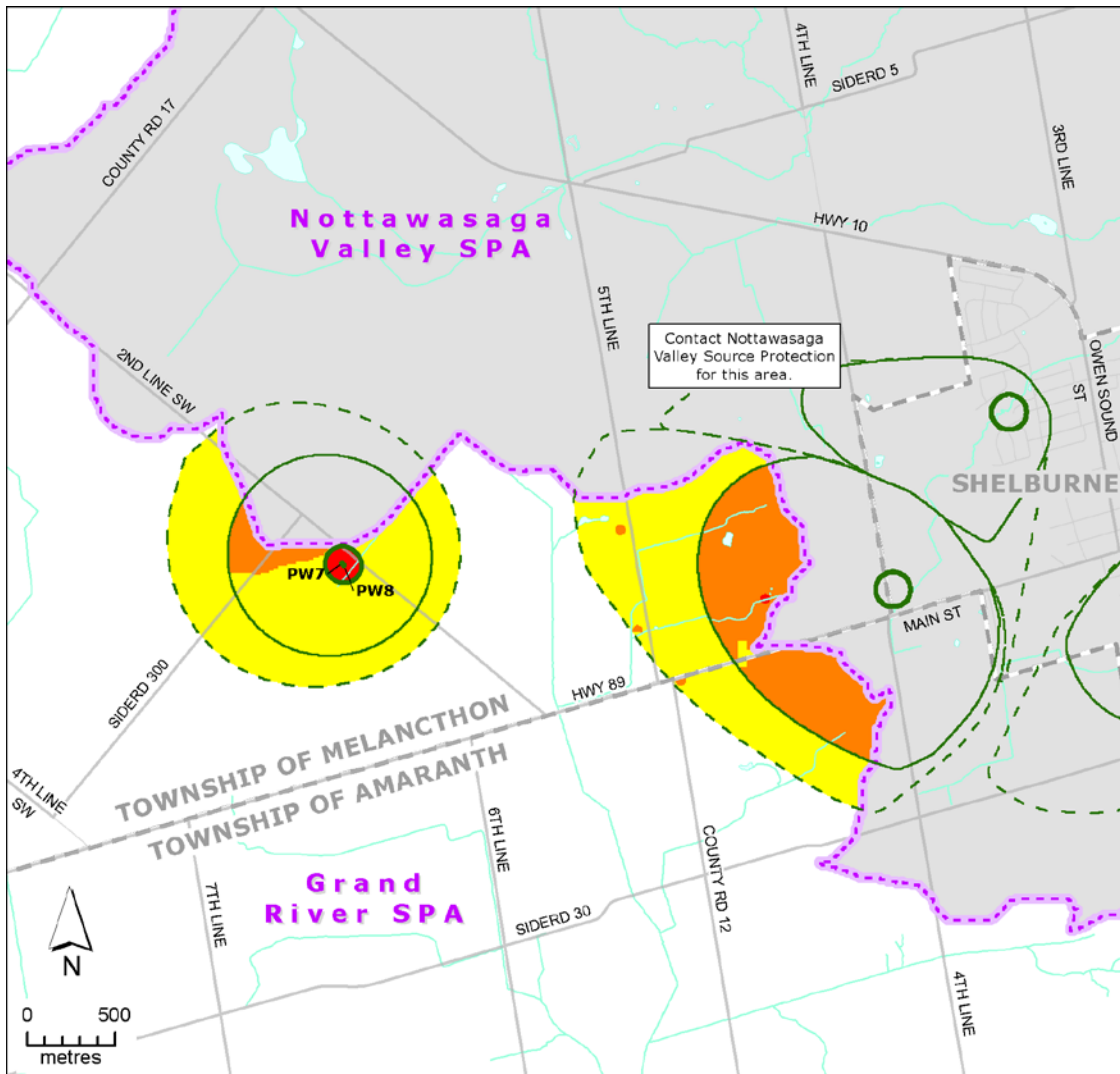
Policy Number	Source Protection Plan Policies within the Township of Melancthon
	<p>policies regarding prohibited activities do not apply to a person who engages in the activity at that location until 180 days from the date the Source Protection Plan takes effect;</p> <p>b. For Section 58 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before 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 should 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 of the notice;</p> <p>c. For Section 59 of the <i>Clean Water Act, 2006</i>, policies regarding restricted land uses shall take effect the same day the Source Protection Plan takes effect;</p> <p>d. Where the Source Protection Policies require the Township to develop and implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat and where they are deemed necessary and/or appropriate by the Township and subject to available funding, such programs shall be developed and implemented within five (5) years from the date the Source Protection Plan takes effect;</p> <p>e. For Section 43 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before this Source Protection Plan or amendment took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect.</p> <p>f. For Sections 40 and 42 of the <i>Clean Water Act, 2006</i>, the Official Plan and Zoning By-Laws must be amended to conform with the significant threat policies and adopted by municipal council by the next five (5) year Official Plan update as required under subsection 26(1) of the <i>Planning Act</i> or within five (5) years from the date the Source Protection Plan takes effect.</p>
Local Threat: The Conveyance of Oil by way of Underground Pipelines	
<p>DC-M-NB-1.13</p> <p><i>Future Specify Action WHPA-A-v.10 WHPA-B-v.10</i></p> <p><i>Monitoring</i></p>	<p>To reduce the risks to drinking water due to the conveyance of oil by way of underground pipeline within the meaning of O. Reg. 210/01 under the <i>Technical Safety and Standards Act</i> or that is subject to the <i>National Energy Board Act</i>, where the activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board, and Ontario Energy Board, are encouraged to provide the Source Protection Authority and the Township the location of any new proposed pipeline within the Township and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas if a pipeline has been proposed and/or an application has been received.</p>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the Township of Melancthon
22. The Establishment and Operation of a Liquid Hydrocarbon Pipeline	
DC-M-NB-17.1	To reduce the risks to drinking water due to the conveyance of oil by way of underground pipeline within the meaning of O. Reg. 210/01 under the <i>Technical</i>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the Township of Melancthon
<p>Future Specify Action WHPA-A-v. 10 WHPA-B-v. 10</p> <p>Monitoring</p>	<p><i>Safety and Standards Act</i> or that is subject to the <i>National Energy Board Act</i>, where the activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board, and Ontario Energy Board, are encouraged to provide the Source Protection Authority and the Township the location of any new proposed pipeline within the Township and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas if a pipeline has been proposed and/or an application has been received.</p>

Appendix B:
Draft updated policy applicability maps for the Townships of Amaranth and Melancthon

DRAFT UPDATED Dufferin County: Township of Amaranth, Shelburne Water Supply

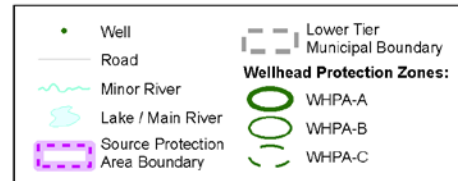


Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
1. Waste Disposal	10	8	2,4,6
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			
Local Threat			
Oil Pipelines			

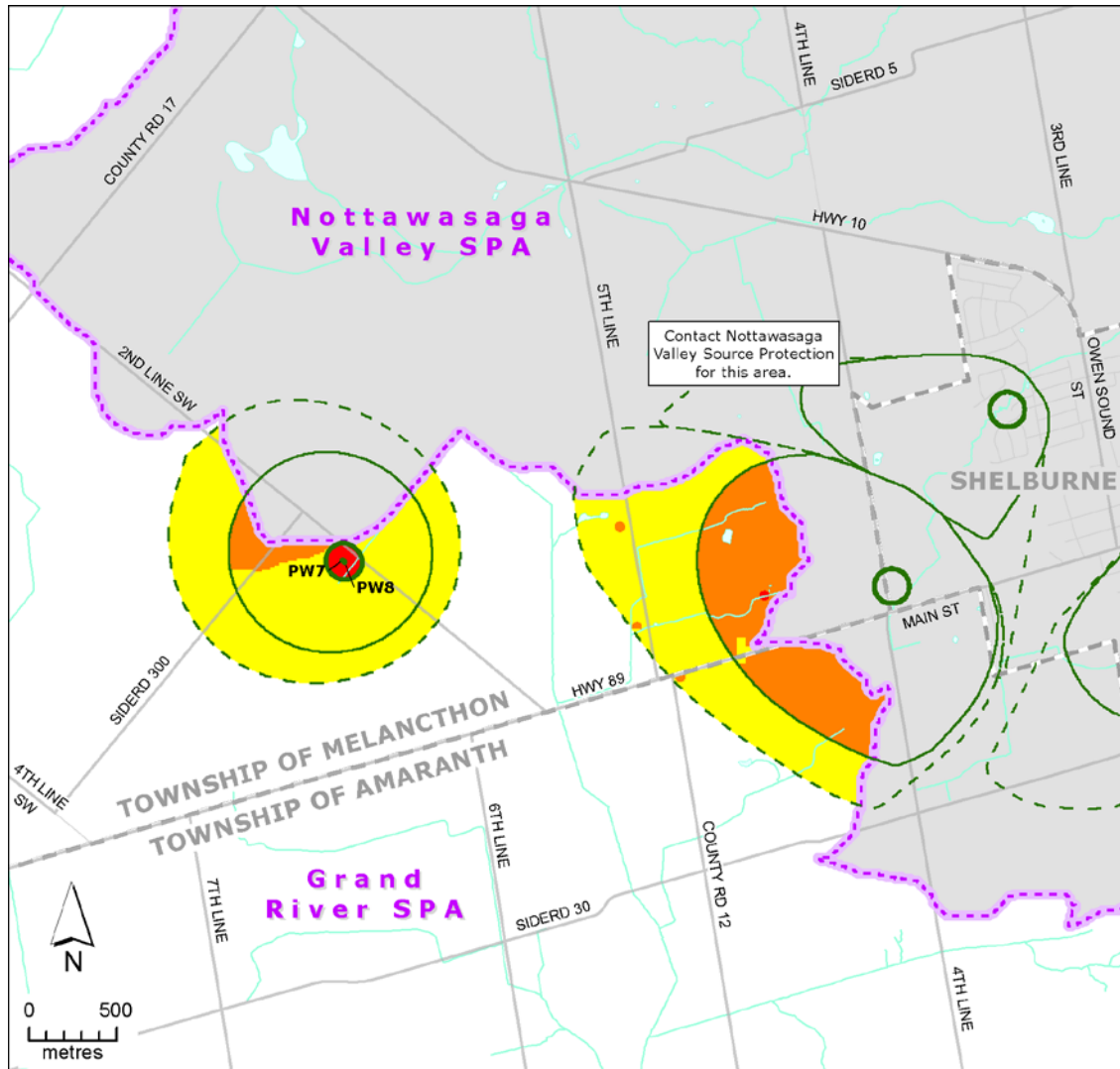
Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Non-GUDI Wellhead Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment 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.



- Updated June 8, 2018
- Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
- This map is for illustrative purposes only. Information contained herein 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.

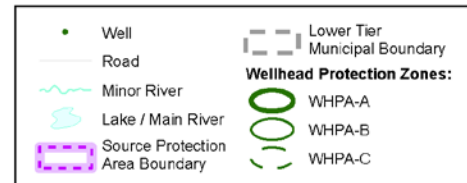
DRAFT UPDATED Dufferin County: Township of Melancthon, Shelburne Water Supply



Significant Drinking Water Threat Policy Applicability

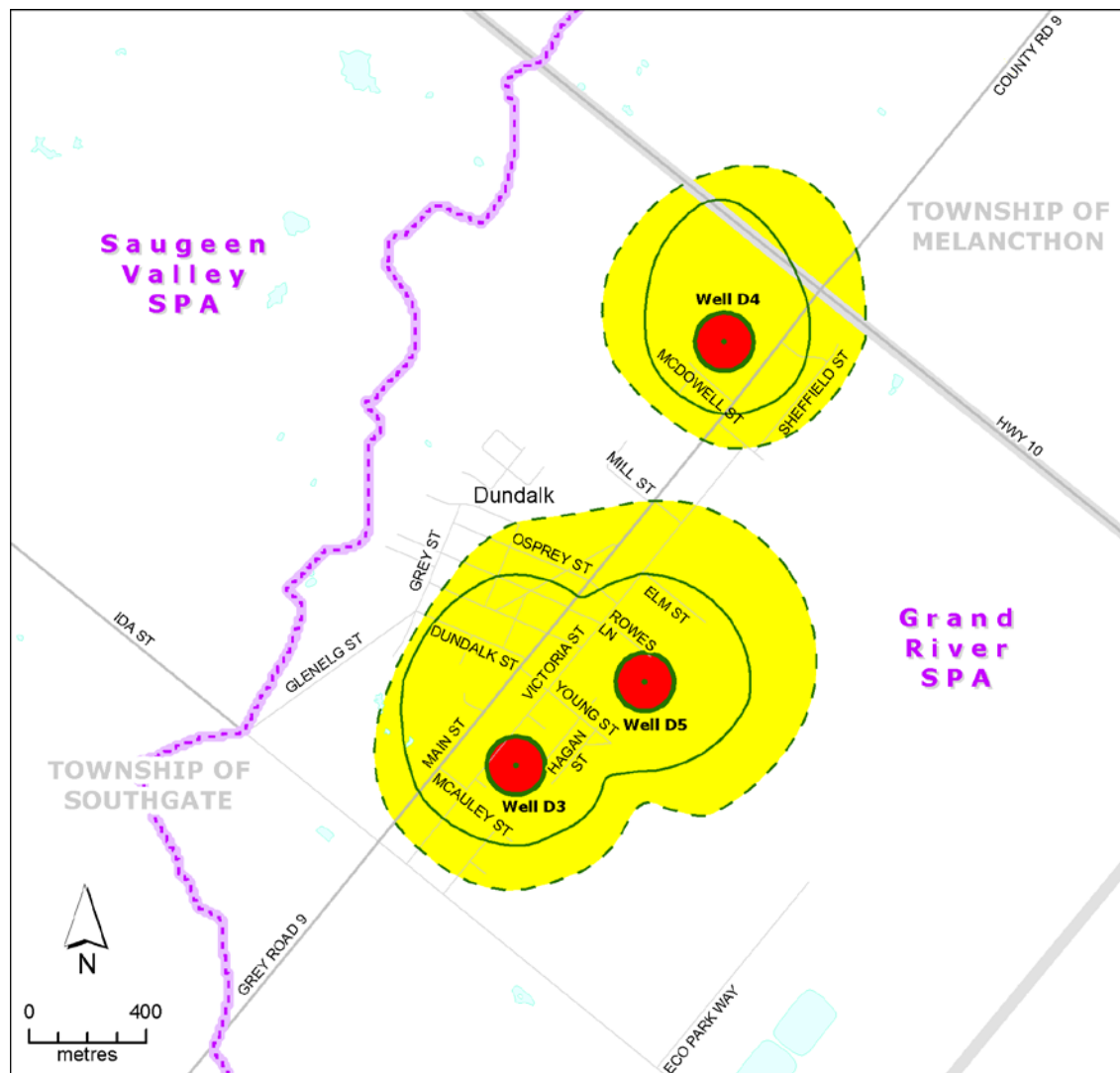
Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
1. Waste Disposal	10	8	2,4,6
2. Sewage Systems			
3, 4. Agricultural Source Material			
6, 7. Non-Agricultural Source Material*			
8, 9. Commercial Fertilizer*			
10, 11. Pesticide			
12, 13. Road Salt*			
14. Storage of Snow			
15. Fuel			
16. DNAPLs			
17. Organic Solvents			
18. Aircraft De-icing			
21. Livestock Area			
Local Threat			
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 the Non-GUDI Wellhead 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.
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1. Updated June 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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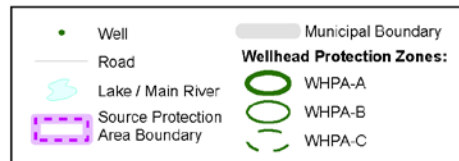
DRAFT UPDATED Dufferin County: Township of Melancthon, Dundalk Well Supply



Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
1. Waste Disposal	10	8	2,4,6
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15. Fuel			
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Local Threat			

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*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.



1. Updated April 12, 2018.
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