

PART NINE

APPEDICES

(B/L No.
2017-081)

9. APPENDICES

9.1 APPENDIX 'A' SOURCE WATER PROTECTION

Any text or maps provided in this Appendix, are for the purpose of explanation, clarification and convenience only and do not form part of this By-law.

9.1.1 DEFINITIONS

For the purposes of this Appendix the following definitions are applicable.

Dense Non-Aqueous Phase Liquids (DNAPLs)

Chemicals that are both denser than water and do not dissolve readily in water. Because of these traits, DNAPLs tend to sink below the water table and only stop when they reach impenetrable bedrock. The presence of DNAPLs is considered a significant threat if they occur anywhere within the five year time of travel of a WHPA as detailed in the Source Protection Plans.

Major Development

The construction of a building or building on a lot with a ground floor area cumulatively equal to 500 m² (5,382 sq. ft.), and any other impervious surface (excluding single detached residential, barns and non-commercial structures that are accessory to an agricultural operation).

For property located within the South Georgian Bay lake Simcoe Source Protection Plan Area, only single detached residential properties are exempt from the definition of major development.

Significant Drinking Water Threat

An activity which poses or has the potential to pose a significant risk to the source of a municipal drinking water system.

Wellhead Protection Area (WHPA)

The surface and subsurface area surrounding a water well or well field that supplies a municipal residential system or other designated system through which contaminants are reasonably likely to move so as to eventually reach the water well or well field.

WHPA-Q1

The area where activities that take water without returning it to the same aquifer may be a threat.

WHPA- Q2

An area delineated through a Tier 3 Water Budget and Water Quantity Risk Assessment as being the area that includes the WHPA-Q1 and any area where a future reduction in recharge would significantly impact that area.

9.1.2 WELLHEAD PROTECTION AREA (WHPA) OVERLAY

The Wellhead Protection Area (WHPA) Wellhead Protection Overlay Zone and WHPA-Q1/WHPA-Q2 Overlay designations as shown in Maps 'AP1', 'AP2', 'AP3', 'AP4' and 'AP5' of Appendix A to Zoning By-law 81-18, as amended, have been identified in the Township of Uxbridge Official Plan in conformity with the South Georgian Bay Lake Simcoe, Credit Valley Toronto and Region and Central Lake Ontario, and Trent Conservation Coalition, Source Protection Plans.

The purpose of the WHPA Wellhead Protection Overlay Zone and WHPA-Q1/WHPA-Q2 Overlay designations are to prevent the inadvertent approval of Planning Act applications and /or the issuance of building permits that may result in the establishment of uses that are significant municipal drinking water threats.

Development applications (i.e. Planning Act applications, building permit applications) for development within the WHPA Wellhead Protection

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Overlay Zone shall be accompanied by a Notice under Section 59 of the *Clean Water Act, 2006*. Existing land uses and/or an expansion of existing land uses which pose a significant municipal drinking water threat activity should be managed pursuant to the applicable Source Protection Plan. Persons undertaking those land use activities that may be significant municipal drinking water threats may be required to develop a Risk Management Plan and/or a water balance assessment (or similar assessment) to the satisfaction of the Township, as set out in the application Source Protection Plan.

Notwithstanding the permitted uses of zone provisions of any underlying zones, the following land use activities shall be prohibited or restricted in the WHPA Wellhead Protection Overlay Zone designations identified on Maps AP1, AP2, AP3, AP4 and AP5 where they would constitute a future significant municipal drinking water threat unless otherwise stated in the applicable Source Protection Plan:

- a) The establishment, operation, or maintenance of a waste disposal site within the meaning of Part V of the *Environmental Protection Act*;
- b) The establishment, operation, or maintenance of a system that collects, stores, transmits or disposes of sewage;
- c) The application of agricultural source material to land;
- d) The storage of agricultural source material;
- e) The management of agricultural source material;
- f) The application of non-agricultural source material to land;
- g) The handling and storage of non-agricultural source material;
- h) The application of commercial fertilizer to land;
- i) The handling and storage of non-agricultural source material;
- j) The application of pesticide to land;
- k) The handling and storage of pesticide;
- l) The application of road salt;
- m) The handling and storage of road salt;
- n) The storage of snow;
- o) The handling and storage of fuel;
- p) The handling and storage of a dense non-aqueous phase liquid;
- q) The handling and storage of an organic solvent;
- r) The management of runoff that contains chemicals used in the de-icing of aircraft;
- s) The use of land as livestock grazing or pasturing land, an outdoor confinement area, or a farm animal yard.

A land use proposal including an activity outlined in the section above, may be permitted in accordance with the provisions of the underlying Zone(s) and all other applicable provisions of Zoning By-law No. 81-19, as amended, provided that a Notice pursuant to Section 59 of the Clean Water Act is issued by the Risk Management Official (RMO).

The following uses and activities may be prohibited or restricted in accordance with Sections 57, 58 and 59 of the *Clean Water Act* for major development within any WHPA-Q1/WHPA-Q2 identified on Maps AP1, AP2, AP3, AP4 and AP5 where they are or would be significant municipal drinking water threat as determined by the RMO:

- a) An activity that takes water from an aquifer or surface water body without returning the water taken to the same aquifer or surface water body;
- b) An activity that reduces the recharge of an aquifer; and

Notwithstanding the foregoing, where any of these uses existed legally as of the date applicable Source Protection Plan came into effect as set out below:

SGBLs: effective July 1, 2015

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CTC: effective December 31, 2015
TCC: effective January 1, 2015
such uses shall be deemed to be permitted.

In accordance with the applicable Source Protection Plans and Official Plan, on Lands which are subject to the WHPA-Q1 overlay new or current development applications which would require a new or amended Permit to Take Water approval under the *Ontario Water Resources Act*, will require approval from the Ministry of the Environment and Climate Change (MOECC).

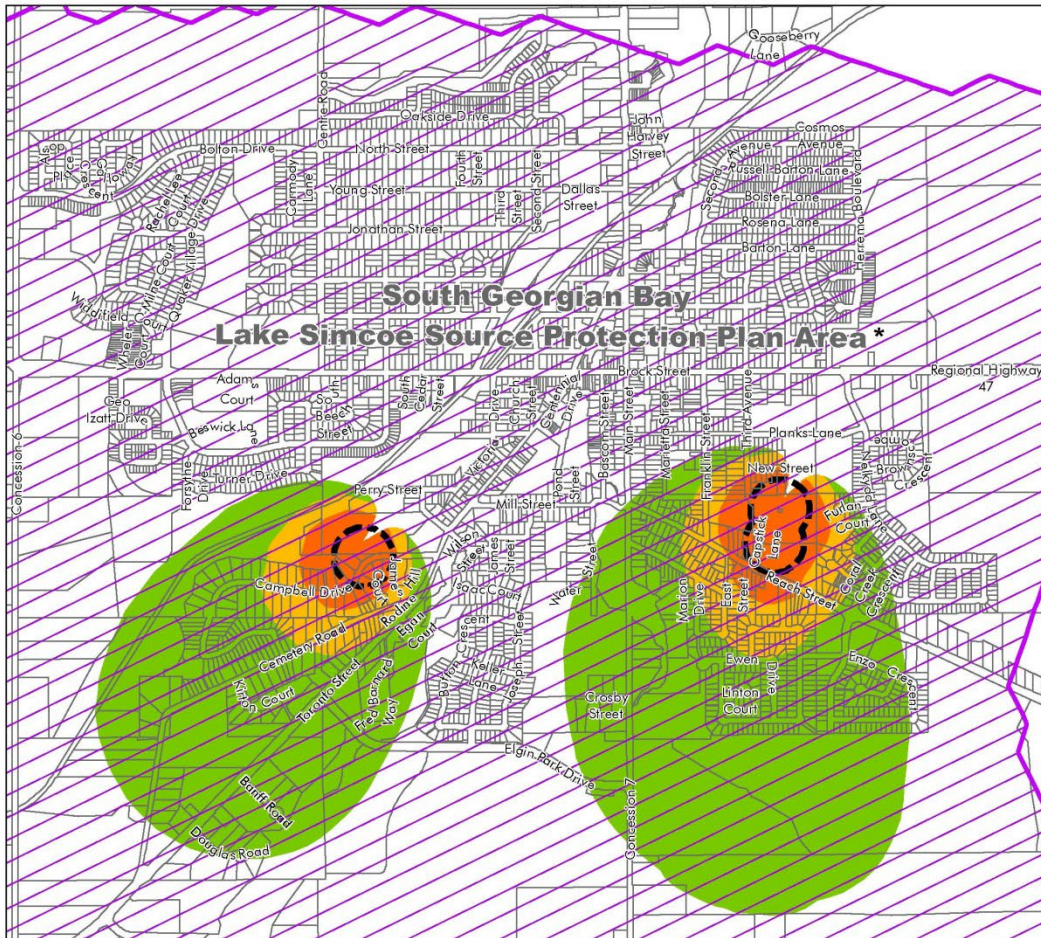
On lands which are subject to the WHPA-Q2 Overlay preparation of a Water Balance Assessment, or similar assessment, may be required, in accordance with the applicable Source Protection Plan.

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SCHEDULE "A"

MAP AP1

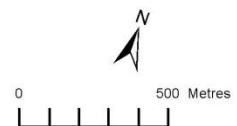
WELLHEAD PROTECTION AREA
 OVERLAY MAP
 CORPORATION OF THE
 TOWNSHIP OF UXBRIDGE



Wellhead Protection Area (WHPA)
 Wellhead Protection Zones

-  100m Zone
-  0 - 2 Year Time of Travel
-  2 - 5 Year Time of Travel
-  5 - 10 Year Time of Travel
-  10 - 25 Year Time of Travel
-  WHPA-Q1/WHPA-Q2

* For purposes of WHPA-Q requirements - single detached residential dwellings are exempt from the definition of "major development" in the South Georgian Bay Lake Simcoe Protection Region.

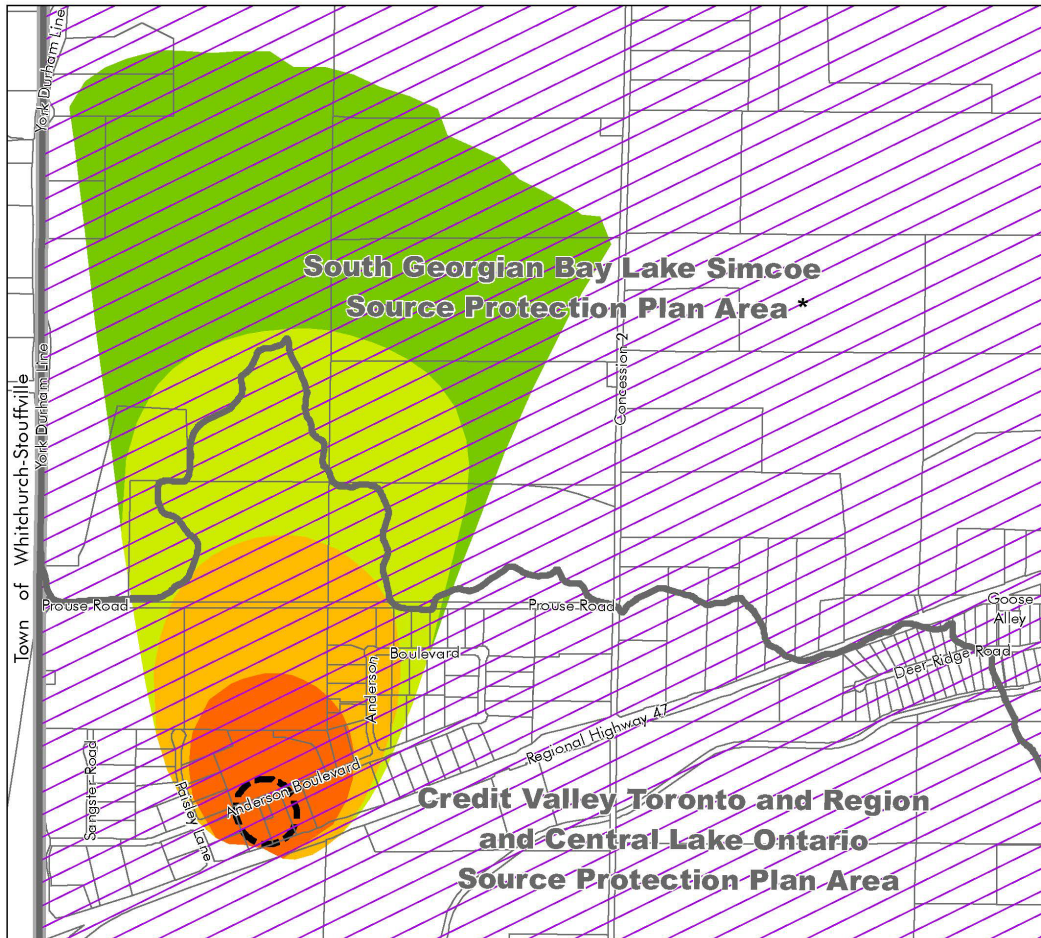


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SCHEDULE "B"

MAP AP2

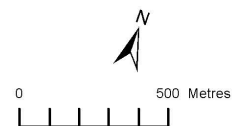
WELLHEAD PROTECTION AREA
 OVERLAY MAP
 CORPORATION OF THE
 TOWNSHIP OF UXBRIDGE



Wellhead Protection Area (WHPA)
 Wellhead Protection Zones

-  100m Zone
-  0 - 2 Year Time of Travel
-  2 - 5 Year Time of Travel
-  5 - 10 Year Time of Travel
-  10 - 25 Year Time of Travel
-  Source Water Protection Plan Areas
-  WHPA-Q1/WHPA-Q2

* For purposes of WHPA-Q requirements - single detached residential dwellings are exempt from the definition of "major development" in the South Georgian Bay Lake Simcoe Protection Region.

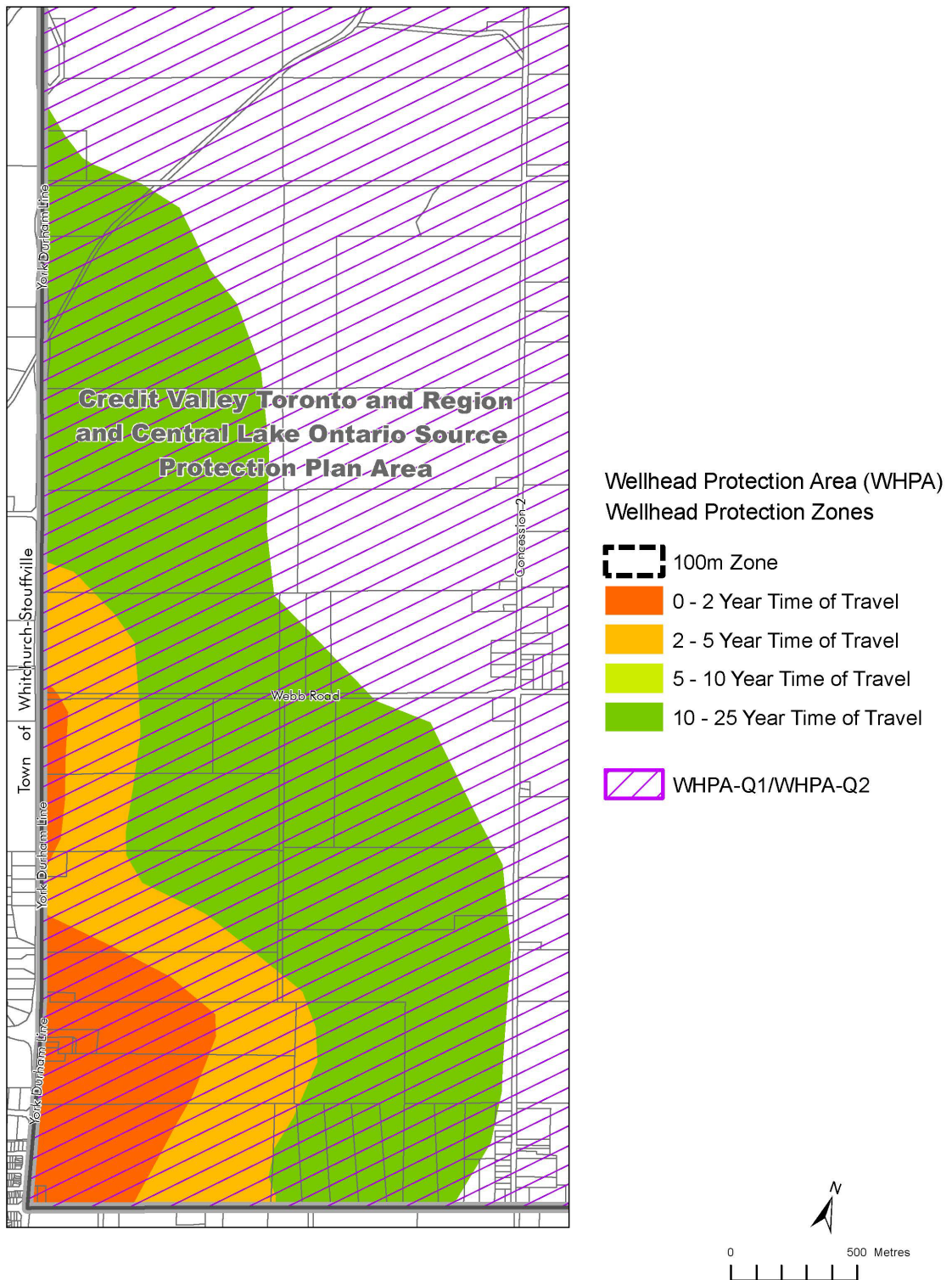


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SCHEDULE "C"

MAP AP3

WELLHEAD PROTECTION AREA
OVERLAY MAP
CORPORATION OF THE
TOWNSHIP OF UXBRIDGE

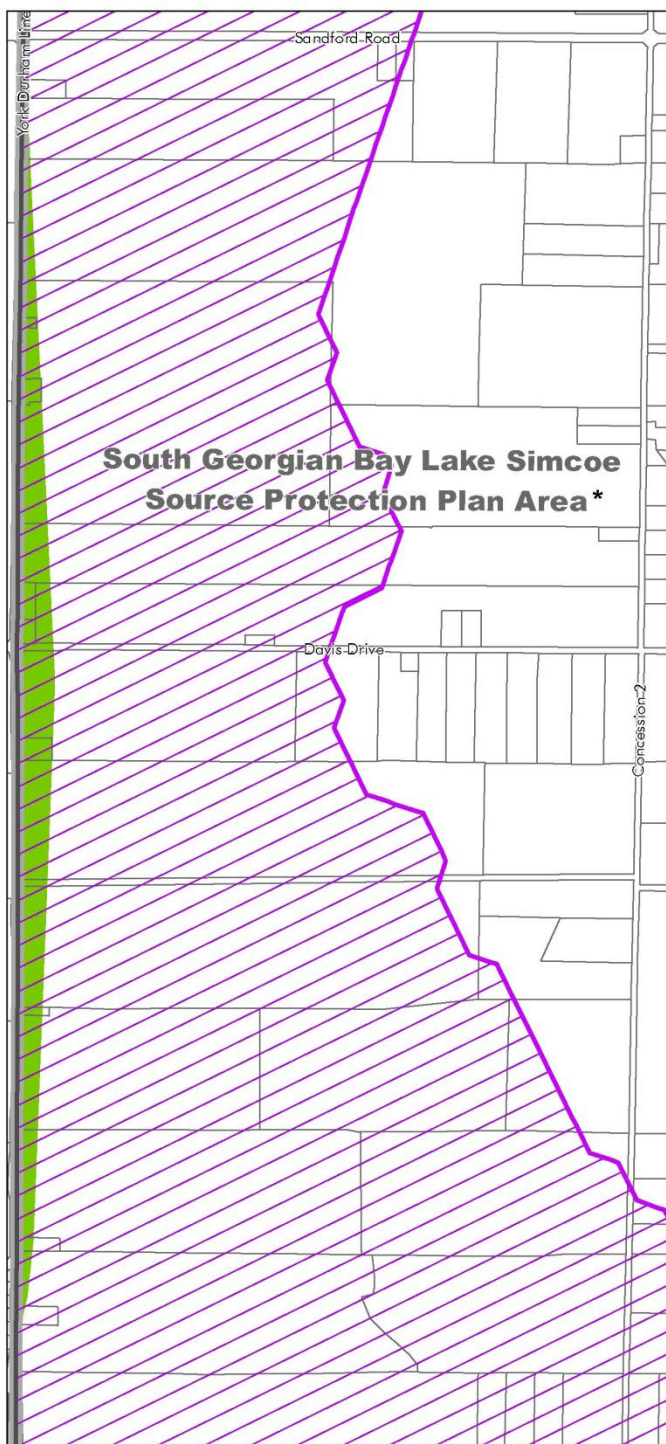


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SCHEDULE "D"

MAP AP4'

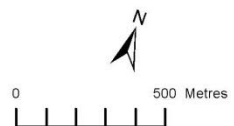
**WELLHEAD PROTECTION AREA
 OVERLAY MAP
 CORPORATION OF THE
 TOWNSHIP OF UXBRIDGE**



Wellhead Protection Area (WHPA)
 Wellhead Protection Zones

-  100m Zone
-  0 - 2 Year Time of Travel
-  2 - 5 Year Time of Travel
-  5 - 10 Year Time of Travel
-  10 - 25 Year Time of Travel
-  WHPA-Q1/WHPA-Q2

* For purposes of WHPA-Q requirements - single detached residential dwellings are exempt from the definition of "major development" in the South Georgian Bay Lake Simcoe Protection Region.



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SCHEDULE "E"

MAP AP5

**WHPA-Q1/WHPA-Q2
 DESIGNATION OVERLAY
 CORPORATION OF THE
 TOWNSHIP OF UXBRIDGE**

