

City of Barrie Proposed Official Plan Amendment for Source Water Protection

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Presentation Outline

- **Background**
- **Mapping changes**
- **Policy Changes**
- **Next Steps**



Background

Clean Water Act

- Terms of Reference for Assessment Reports - 2009
- Assessment Report - Approved Jan 2012 (Water Quality)
- Source Protection Plan – October 2012 Under review.

The Planning Act

- Section 2.2.1 of the Provincial Policy Statement directs Planning Authorities to “protect, improve or restore water quality and quantity by implementing necessary restrictions on development and site alteration to protect municipal drinking water supplies and *designated vulnerable areas*.”
- The vulnerable areas identified in the approved **Assessment Report** constitute “*designated vulnerable areas*” under the Provincial Policy Statement.



What are the Drinking Water Threats?

Waste Disposal

Sewage

Agriculture

Application of, Storage of, and
Management of

Agricultural Source Material

Application of and Handling & Storage
of **Non-Agricultural Source Material**

Fertilizer Application

Handling & Storage of **Fertilizer**

Pesticide Application

Handling & Storage of **Pesticide**

Livestock confinement/ grazing

Application of **Road Salt**

Handling & Storage of **Road Salt**

Storage of **Snow**

Industrial

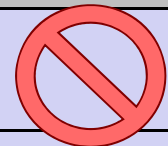
Handling & Storage of **Fuel**

Handling & Storage of
Dense Non-Aqueous Phase Liquid

Handling & Storage of **Organic Solvent**

Aircraft De-icing Chemicals

Water Quantity



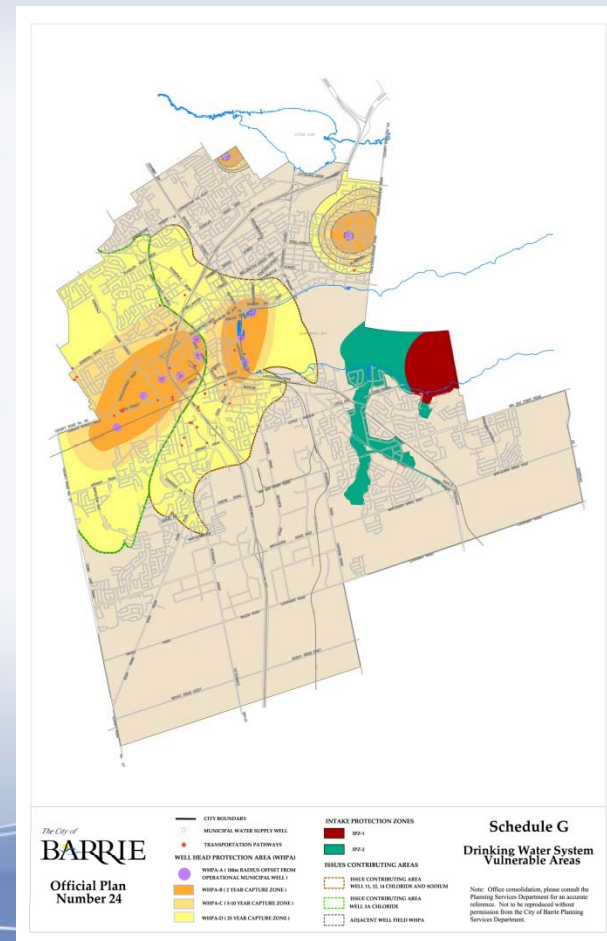
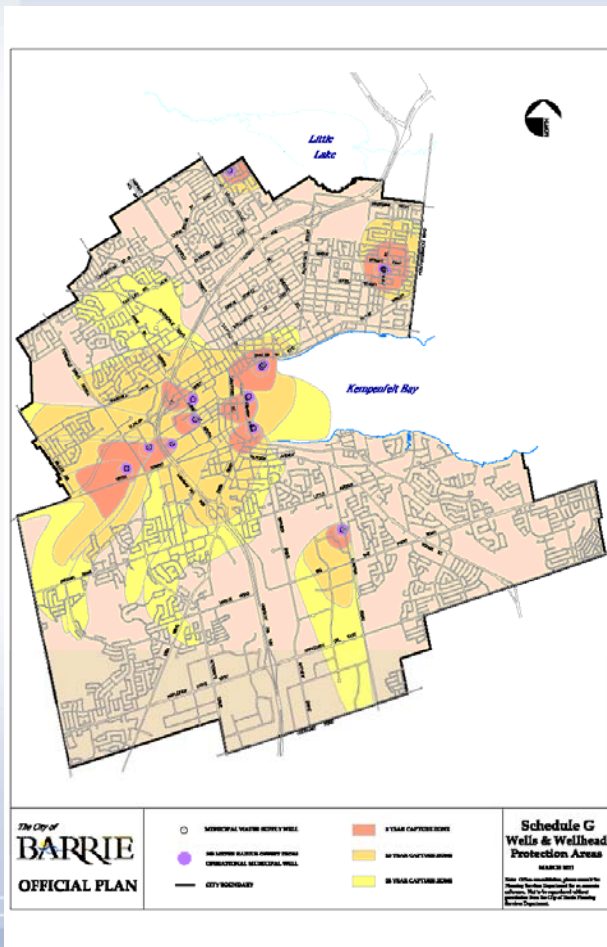
Consumptive Water Taking

Activity that Reduces Aquifer Recharge

Mapping Changes

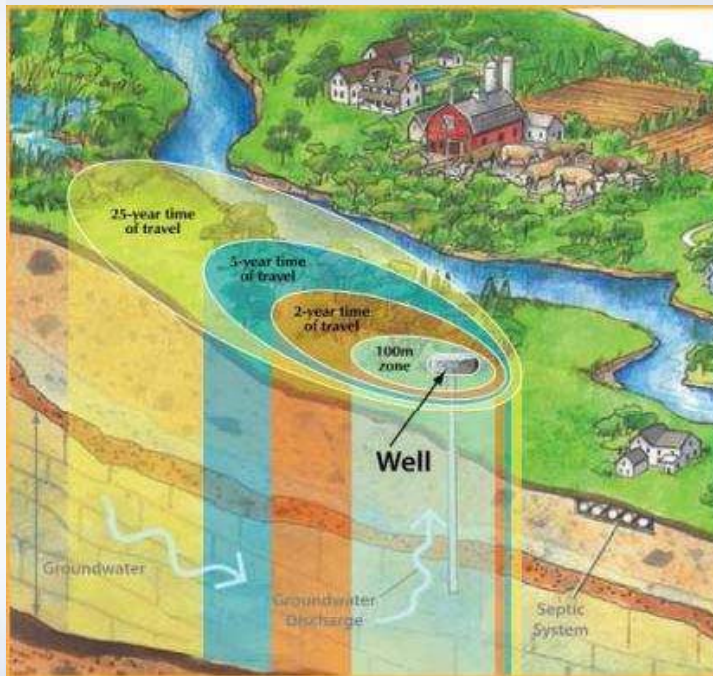
Schedule G – Existing

Schedule G – Proposed

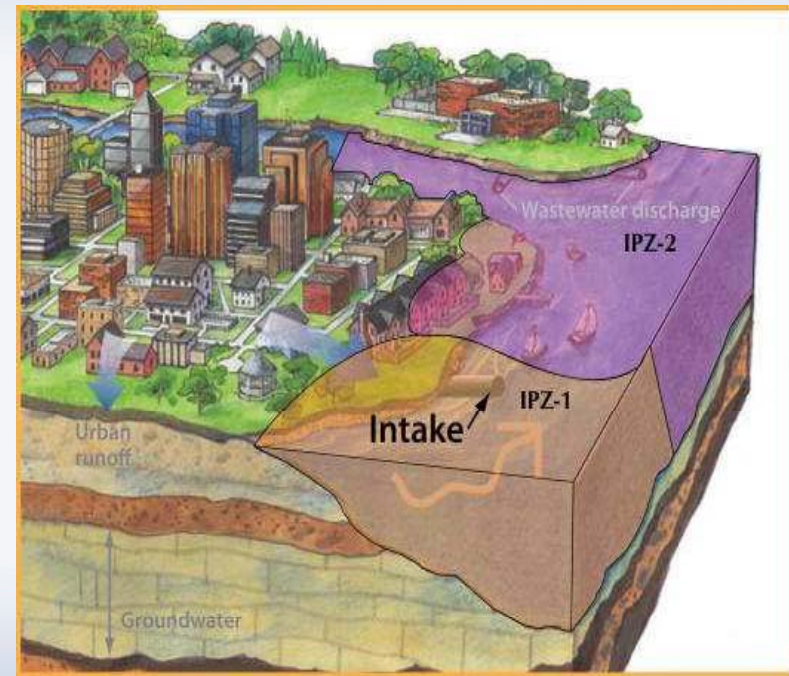


Policies only apply where a threat can be significant

Wellhead Protection Areas



Intake protection Zones



Areas Affected by Significant Threat Policy



Wellhead Protection Areas (WHPAs) – areas around the wellheads that contribute groundwater to the wells and where land use activities have the greatest potential to affect the quality of water that flows into the well.

Intake Protection Zones (IPZs) – areas around surface water intake.

Summary of Policy Changes

- Broad goals and objectives for the long term protection of drinking water.
- Wording to establish that policies that are more protective of drinking water take precedence where conflicting policies are at play.
- Policies that would prohibit new uses that involve threat activities from locating where they would be significant drinking water threats
- Policies that allow for implementation through use of appropriate risk mitigation measures, design measures, and use of all the implementation tools available in the Planning Act, including site plan control, conditions of development, community improvement planning, development permitting, and zoning by-law provisions

Summary of Policy Changes continued

- Policies for locating and establishing new drinking water wells which are to be cognizant of existing and proposed uses in the vicinity of the proposed well, and which seek to obtain municipal control over the lands within a 100m radius of the well, through land dedication, acquisition, easements or application of land use restrictions.
- Policies that enable a screening process and requirements for appropriate technical studies and adding this to the list of studies required for a “complete” application for applicable planning that would constitute a potential significant threat.



Next Steps

These proposed OP Changes

- Refinements to policy wording based on comments received.
- Report back to General Committee

Other

- A Phase 2 implementation initiative entailing further amendments to the Official Plan policies, and zoning by-law implementation is anticipated once the Source Protection Plan is approved. (2014)
- Develop screening processes and familiarize planning staff with procedures needed to flag those applications which need to be referred to the City's Risk Management Official under the Clean Water Act.
- Work with counterparts in neighbouring municipalities to ensure alignment of the respective policies and procedures in areas where wellhead protection areas extend beyond our municipal boundaries.

