

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER



Lake Simcoe Region
conservation authority



South Georgian Bay Lake Simcoe Source Protection Region

South Georgian Bay Lake Simcoe Source Protection Region Update

LSCBR SPA Meeting

March 24, 2017

Presented By: Bill Thompson
Manager, Integrated Watershed Management
Lake Simcoe Region Conservation Authority



South Georgian Bay Lake Simcoe Source Protection Region

- 5 year work plan
- Detailed updates
 - SPC membership
 - Education and Outreach activities
 - MOECC program review

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Five year work plan

2016

- Annual reporting framework and tool
- SPC membership refresh
- MOECC review of technical criteria and policy framework

2017

- MOECC review of technical criteria and policy framework continues
- Municipal implementation ongoing

2018

- Education and Outreach program to be in place
- First Annual report (May 2018)
- Work plan to govern plan review (Oct 2018)

2019

- SPP review and update expected (Section 36)
- SPC membership starts to expire

2020

- SPP review and update may continue
- Risk management plans to be completed

On-going activities

- Implementation support
- Building program awareness
- SPP amendments – minor or under Section 34
- Technical support (e.g. new/change system)
- Data management
- Program management (e.g. SPC and SPA meetings)



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Newly appointed members

- Ian Chadwick, Ontario Municipal Water Assoc.
- Rick Newlove, Simcoe County Heavy Construction Assoc
- Clayton Cameron, local resident
- Don Goodyear, York Region
- Katie Thompson, City of Barrie
- Kyle Mitchell, City of Orillia
- Deborah Korolnek, Simcoe County

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SPC orientation

- October 2016
- Topics included:
 - Role and responsibilities of Committee
 - The *Clean Water Act*
 - Overview of the three watersheds
 - Developing the Source Protection Plan
 - Source Protection Plan implementation
 - Future of the Sourcewater program

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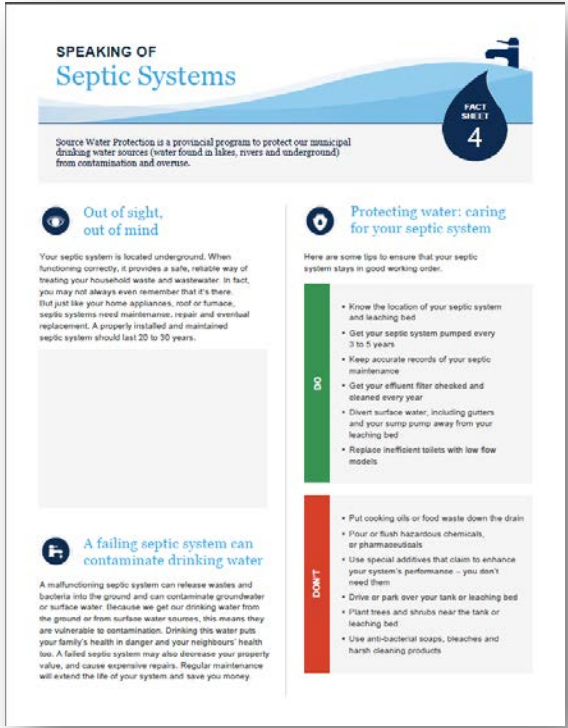
Education and outreach activities

- Six education policies to be implemented by SPAs
- Promote best practices and/or pollution prevention related to:
 - Agricultural activities
 - Storage of industrial chemicals
 - Salt use
 - Septic systems
 - Waste disposal
 - Groundwater recharge (specific to Mono)
- To be in place by 2018

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Update to existing brochures

- To represent current state of the SWP
- For use by RMOs, CBOs, municipal staff
- Led by LSRCA & NVCA
- Six fact sheets:
 - Sourcewater overview
 - Risk Management Plans
 - Facts for Farmers
 - Septic systems
 - Organic solvents and DNAPLs
 - Fuel storage and handling



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Farming Community

- Published in Better Farming
- Topics of relevance to farmers:
 - General overview
 - Manure applications
 - Biosolids
 - Pesticide application
 - Fuel storage
 - Expansion of operations



Cultivating Clean Water

Farmers support life. Every day, and in every way, they're guardians of our land and water.

These and other Ontario farmers have helped to develop new policies to keep our municipal drinking water sources safe.

Learn if your property is located in a vulnerable area and if some of these new policies may apply to your farm operation. Help ensure our drinking water sources stay clean and plentiful.

We're working together to protect drinking water sources!

Dave Ritchie
dairy

John Hemsted
sheep

Colin Elliott
dairy, cash crops

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Source Protection Municipal Implementation Funding

- Fifteen municipalities pooled funds
- Led by LSRCA
- Allowed development of:
 - Primers on source water protection and groundwater for municipal staff
 - An overview presentation
 - Infographics
 - Memes
 - Two videos
 - Image library for use in future products

Drains Are Not Dumps

Water is life. Protect Yours.

DRINKING WATER SOURCE PROTECTION

Toxic substances are found in many common products. Dense non-aqueous phase liquids, or DNAPLs, are especially toxic substances that are sometimes found in the products below. Toxic, even in small amounts, they are almost impossible to remove once they contaminate a water supply. PREVENTION is the key to dealing with DNAPLs.

Paint stripper/thinner	Degreaser	Paint/enamel/lacquer	Adhesive	Metal solvent

CHOOSE WISELY at home

CHOOSE WISELY at work

What should you do?

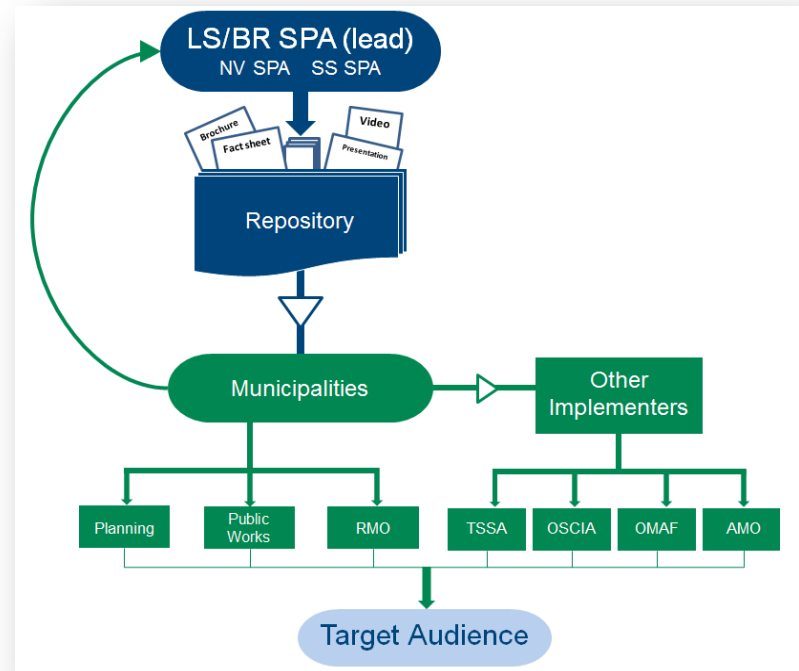
1 Select LOW or NON toxic products	2 Use toxic products CAREFULLY	3 Store toxic products SMARTLY	4 Dispose of toxic products PROPERLY	5 Have an onsite spill kit and spill response PLAN

For more information about drinking water and how to protect it, visit ourwatershed.ca

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Looking ahead – 2017/18

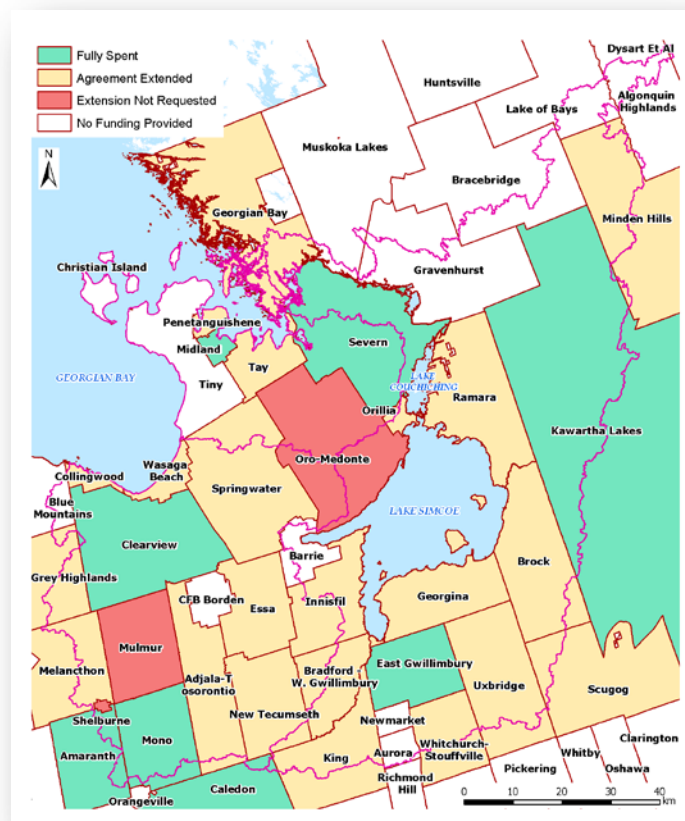
- Education and Outreach program to be in place by 2018
- SPA responsibility
- To be implemented through front-line staff
- Gap analysis / needs inventory underway
- Website improvements scheduled for 2017



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Source Protection Municipal Implementation Funding

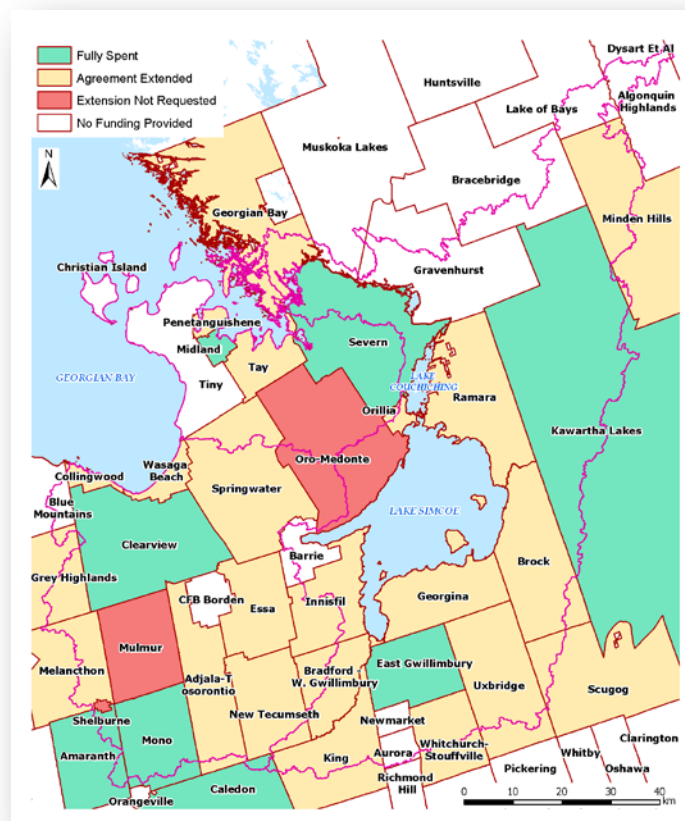
- Provincial funding for smaller municipalities
- Currently negotiating third round of extensions (Dec 2017)
- Most municipalities in our Region have requested extension



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Source Protection Municipal Implementation Funding

- Eligible expenses:
 - Threat verification
 - Risk Management Plan development
 - OP / bylaw updates
 - Education and outreach
 - Collaborating with other recipients





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MOECC Program Review

- Technical framework
- Policy framework
- General program framework

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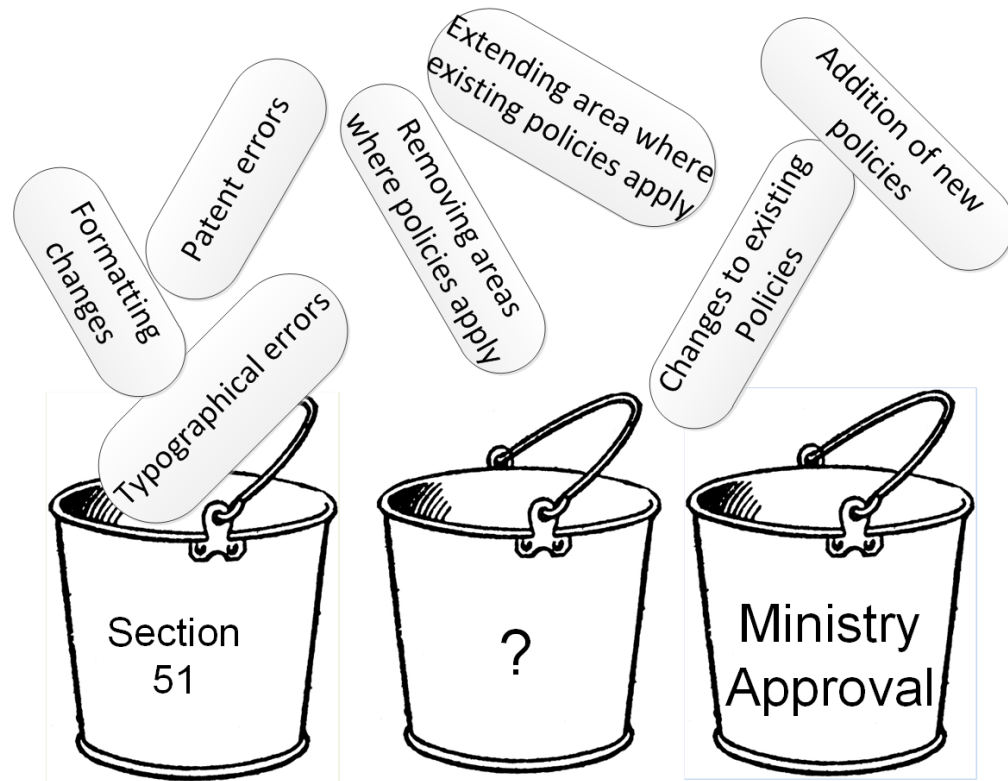
MOECC Program Review

- Possible revisions to the technical framework:
 - Clarification on industrial chemicals
 - Changes to pesticide circumstances
 - Change to road salt circumstances
 - Consideration of transportation as a new threat type

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MOECC Program Review

- Possible changes to the program framework:
 - Improved coordination between EA and Sourcewater processes
 - Considering delegating approval authority to Director, or SPA / SPC for minor amendments



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Anticipated timelines

- Consultation underway now
- Discussion paper anticipated in May / June
- SPC Technical Working Group to review and provide comment
- Consultation anticipated to extend throughout 2017

- Existing vulnerable areas, vulnerability assessments can remain under original rules
- New rules could be applied when plan reviewed / updated



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Other ongoing activities

- Continue to facilitate regional collaboration working groups
- Continue to advise implementing bodies – e.g. policy implementation, technical studies
- SPC meetings (2-3 / yr)
- Minor updates to the SPP and Assessment Report
- Data management
- Continued technical support for changes to drinking water systems (new/decommission)



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Questions?