

# Cataraqui Source Protection Plan

November 2014



Approved: November 26, 2014  
Effective Date: April 1, 2015

*Made possible through the funding support of  
the Government of Ontario*

# **Cataraqui Source Protection Plan**

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**Effective Date: April 1, 2015**

Ministry of the Environment  
and Climate Change

Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique



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NOV 26 2014

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Chair, Cataraqui Source Protection Authority  
Box 160, 1641 Perth Road  
Glenburnie ON, K0H 1S0

Mr. John Williamson  
Chair, Cataraqui Source Protection Committee  
4145 Homes Road, R.R. #1  
Inverary ON K0H 1X0

Dear Mr. McPhail and Mr. Williamson:

It is a pleasure to inform you that the review of the source protection plan for the Cataraqui Source Protection Area, developed under the Clean Water Act, 2006, has been completed. Pursuant to section 29 of the Clean Water Act, I approve the plan for the Cataraqui Source Protection Area.

I appreciate the efforts undertaken by the Cataraqui Source Protection Committee and Authority and all stakeholders to assess and develop a plan to protect drinking water sources in your community. Thank you for all your hard work, leadership and commitment.

Your community is to be commended on the achievement of this important milestone. This is an example of the local, inclusive, community-based approach to protecting source water envisioned by the Clean Water Act. The province has been pleased to support the source assessment and development of the Cataraqui source protection plan with an investment of \$5,816,623 since 2004. An additional \$425,370 was provided within the Cataraqui Source Protection Area for various projects under the Ontario Drinking Water Stewardship Program to landowners, municipalities and the conservation authority to take action to protect drinking water.

Following today's approval of the plan, in order to allow time to prepare for implementation, the Cataraqui source protection plan will take effect on April 1, 2015. Please ensure that this date is clearly stated in the plan when it is posted on the Internet. As specified in the Clean Water Act, the ministry will be posting a notice of the approval of the plan on the Environmental Registry as soon as possible.

Mr. McPhail and Mr. Williamson  
Page 2:

Under section 36 of the Clean Water Act, when a source protection plan is approved, an order must also be given that governs the review of the plan. Pursuant to clauses 36 (1) (c) and (d), and as an initial step in the development of detailed requirements that will govern the plan's review, the Cataraqui Source Protection Authority shall prepare and submit a workplan to the ministry. The workplan shall propose the detailed steps for the review of the plan, including which portions of the plan are to be reviewed, the timeframes for each step of the review and the consultation that would be undertaken as part of the review. A rationale shall accompany the workplan that explains its contents and summarizes how the workplan was developed. The workplan shall be developed in consultation with the Cataraqui Source Protection Committee, participating municipalities of the Cataraqui Source Protection Area, and the Ministry of Environment and Climate Change.

The development of the workplan must take into consideration any experience that has been gained from implementing the source protection plan and information from the first annual progress reports on plan implementation (due May 2018). Accordingly, the workplan shall be submitted to the ministry no later than November 30, 2018. Once the workplan is submitted and reviewed by the ministry, and following any further consultation that the ministry considers advisable, a further order can be issued under section 36 that specifies more detailed requirements governing the content and timeframes that will govern the review of the plan for the Cataraqui Source Protection Area.

With your commitment, significant progress has been made in source protection and the Province looks forward to continuing to work with you and all stakeholders to protect drinking water.

Once again, thank you for your work to protect Ontario's source waters, and please accept my best wishes.

Sincerely,



Glen Murray  
Minister

- c: Sue Lo, Assistant Deputy Minister, DWMD, Ministry of the Environment and Climate Change
- Ling Mark, Director, SPPB, Ministry of the Environment and Climate Change
- Stephen Knechtel, General Manager/Secretary Treasurer, Cataraqui Region Conservation Authority
- Rob McRae, Project Manager, Cataraqui Source Protection Authority

## Cataraqui Source Protection Plan Policy Number Conversions

Proposed Policy Number (August 2012)	Final Policy Number (November 2014)
4.2.1-NB	4.2.1-NB
4.2.2-NB	4.2.2-NB
4.3.1-NB	4.3.1-NB
4.3.2-CW	4.3.2-CW
4.3.3-NB	4.3.3-NB
4.4.1-NB	4.4.1-NB
4.4.2-NB	4.4.2-CW
	4.4.3-NB
4.4.3-NB	4.4.4-NB
4.4.4-NB	4.4.5-NB
4.5.1-NB	4.5.1-NB
	4.5.2-NB
4.5.2-NB	4.5.3-NB
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4.7.4-NB	4.7.4-NB
4.7.5-NB	4.7.5-NB
	4.7.6-NB
	4.7.7-NB
4.7.6-NB	4.7.8-NB
5.2.1-NB	5.2.1-NB
5.2.2-NB	5.2.2-NB
5.2.3-NB	5.2.3-NB
5.3.1-NB	5.3.1-NB
5.3.2-NB	5.3.2-NB
5.4.1-NB	5.4.1-NB
5.4.2-NB	
5.5.1-HR	5.5.1-HR
5.5.2-NB	5.5.2-NB
5.5.3-HR	5.5.3-HR
	5.5.4-NB
5.5.4-HR	5.5.5-HR
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5.5.6-HR	5.5.7-HR
	5.5.8-NB
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6.2.2-NB	6.2.2-NB
6.2.3-CW	6.2.3-CW
6.2.4-NB	
6.2.5-CW	6.2.5-CW


<b>Proposed Policy Number (August 2012)</b>	<b>Final Policy Number (November 2014)</b>
6.2.6-CW	6.2.6-CW
6.2.7-HR	6.2.7-HR
6.2.8-HR	6.2.8-HR
6.2.9-CW	6.2.9-CW
6.2.10-NB	6.2.10-NB
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6.2.12-HR	6.2.12-HR
6.2.13-CW	6.2.13-CW
6.2.14-CW	6.2.14-CW
6.2.15-CW	6.2.15-CW
6.2.16-HR	6.2.16-HR
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6.2.20-NB	6.2.20-NB
6.2.21-NB	
6.2.22-CW	6.2.21-CW
6.2.23-CW	6.2.22-CW
6.2.24-HR	6.2.23-HR
6.2.25-CW	6.2.24-CW
6.2.26-NB	6.2.25-NB
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6.3.12-CW	6.3.11-CW
6.3.13-NB	6.3.12-NB
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7.2.11-HR	7.2.10-HR
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7.2.13-HR	7.2.11-CW
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7.2.15-CW	7.2.13-CW
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7.2.18-NB	7.2.16-NB
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7.2.21-CW	7.2.19-CW
7.2.22-HR	7.2.20-HR
7.2.23-CW	7.2.21-CW
7.2.24-NB	7.2.22-NB
7.2.25-HR	7.2.23-HR

<b>Proposed Policy Number (August 2012)</b>	<b>Final Policy Number (November 2014)</b>
7.2.26-NB	7.2.24-NB
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	7.3.2-CW
7.3.2-CW	7.3.3-CW
7.3.3-CW, 7.3.4-CW	7.3.4-CW
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7.6.1-NB	7.6.1-NB
7.6.2-NB	7.6.2-NB
7.7.1-HR	7.7.1-HR
7.7.2-NB	7.7.2-NB



# Foreword



Ontario's drinking water source protection initiative is a proactive, science-based program aimed at protecting public health by ensuring clean and abundant sources for municipal residential drinking water systems. The program, which is based on risk assessment, avoidance, management and reduction, is locally driven by the Cataraqui Source Protection Committee.

The Source Protection Plan was written based on the requirements of the Ontario *Clean Water Act, 2006* and was prepared in accordance with Ontario Regulation 287/07 (General).

In preparing this plan there was a desire to reflect local conditions and values, build on existing actions by government, organizations and individuals, and to use more than one type of policy tool to address a drinking water threat, wherever possible and suitable to ensure that all levels are managing drinking water threats in a complementary fashion.

Education and outreach programs will have an important role in helping implementation bodies and property owners to understand why it is important to and how to protect sources of drinking water through the actions specified in each of the policies.

The ultimate success of this plan depends on how the policies are understood and implemented by the public, the municipalities and the various government ministries involved. Every effort has been made to deliver a plan that:

1. will effectively address the threats identified in the Assessment Report: Cataraqui Source Protection Area (June 2011)
2. is appropriate for these threats and vulnerable areas and
3. will be affordable to implement.

This plan was approved on November 26, 2014.

## For More Information

Please visit [www.cleanwatercataraqui.ca](http://www.cleanwatercataraqui.ca) or contact:

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Toll free in 613 area code: 1-877-956-CRCA (2722)  
Fax: (613)547-6474  
E-mail: [info@crca.ca](mailto:info@crca.ca)

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## Cataraqui Source Protection Committee

<b>Member</b>	<b>Sector</b>	<b>Group Represented</b>
John Williamson	Chair	
Ric Bresee	Municipal	Western Municipalities
Gary Davison	Municipal	Central Municipalities
Kevin Riley	Municipal	Central Municipalities
John Conley	Municipal	Eastern Municipalities
Peter Raabe	Municipal	Eastern Municipalities
Kim Sytsma	Economic	Agriculture
Jeff Peters	Economic	Agriculture
Rob Cumming	Economic	Industry
Chris Mangan-Greene	Economic	Tourism and Recreation
Scott Ewart	Economic	Tourism and Recreation
Nona Mariotti	Other Public Interests	Lake Associations
Richard Lindgren	Other Public Interests	Environmental Associations
Kathleen Laird	Other Public Interests	General Public
Alex Palilionis	Other Public Interests	General Public
Jacques Labelle	Other Public Interests	General Public
Allan McPhail	Liaison	Source Protection Authority
Joan Green	Liaison	Health Units
Wendy Lavender	Liaison	Ministry of the Environment

---

## Acknowledgements

The Cataraqui Source Protection Committee wishes to acknowledge the contribution of the following Cataraqui Region Conservation Authority staff, consultants and partners towards the preparation of this Plan.

### Conservation Authority Staff

- Donna Campbell, Administrative Assistant
- Donna Cellini, Project Secretary
- Kimberly Denison, Resource Technician
- Laura Dietrich, Accounting Assistant
- Holly Evans, Water Quality Specialist
- Steve Knechtel, General Manager/Secretary-Treasurer
- Karla Maki-Esdon, Communications Coordinator
- Rob McRae, Project Manager
- Erin Oogarah, GIS Technician
- Cheryl Rider, Finance Coordinator
- Casey Sharp, Communications and Marketing Officer
- Christine Woods, Source Protection Planner
- Travis York, Geomatics Technician

### Consultants and Plan Partners

- Cumming + Company
- French Planning Services Inc.
- Mississippi-Rideau Source Protection Region
- Quinte Source Protection Region
- Raisin-South Nation Source Protection Region
- Trent Conservation Coalition

We acknowledge and appreciate the valuable advice and knowledge towards the preparation of the Plan provided by the municipalities and public health units in the Cataraqui Source Protection Area, as well as by provincial ministries.

### General Public

More than 250 members of the general public provided valuable insight and suggestions at the community roundtables and through verbal and written comments at the three stages of consultation on the Plan.

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- B** - Summary of Consultation
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- D** - Summary of Roles and Responsibilities

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## List of Acronyms

Assessment Report	Assessment Report: Cataraqui Source Protection Area (June 2011)
Committee	Cataraqui Source Protection Committee
CRCA	Cataraqui Region Conservation Authority
CSPA	Cataraqui Source Protection Area
DNAPL	Dense Non-Aqueous Phase Liquid
EA	Environmental Assessment
HVA	Highly Vulnerable Aquifer
IPZ	Intake Protection Zone
IPZ 1	Intake Protection Zone 1
IPZ 2	Intake Protection Zone 2
IPZ 3	Intake Protection Zone 3
KFL&A	Kingston, Frontenac, Lennox and Addington (Public Health)
MCPA	Chemical name 2-methyl-4-chlorophenoxyacetic acid
MMAH	Ontario Ministry of Municipal Affairs and Housing
MNR	Ontario Ministry of Natural Resources
MOE	Ontario Ministry of Environment
NASM	Non-agricultural source material
OMAFRA	Ontario Ministry of Agriculture, Food and Rural Affairs
OWRA	Ontario Water Resources Act
PCB	Polychlorinated Biphenyls
Plan	Proposed Source Protection Plan: Cataraqui Source Protection Area
SGRA	Significant Groundwater Recharge Area
TSSA	Technical Standards and Safety Authority
WHPA	Wellhead Protection Area
WHPA-A	Wellhead Protection Area A
WHPA-B	Wellhead Protection Area B
WHPA-C	Wellhead Protection Area C
WHPA-D	Wellhead Protection Area D
WHPA-E	Wellhead Protection Area E