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1 Purpose

This appendix is intended to document the process of local consultation by the Quinte Region Source Protection Committee and the Quinte Conservation Source Protection Authority for this Assessment Report (and component technical studies) with municipalities, stakeholders, and the broader community. The consultations undertaken exceeded the requirements of the Ontario *Clean Water Act, 2006* and Ontario Regulation 288/07, as amended.

2 2009 Preliminary Consultation on Technical Studies

This Assessment Report includes findings from numerous technical studies that were commissioned and carried out by Quinte Conservation between 2005 and 2009. From 2005 to 2009 there were numerous presentations, displays and events conducted to inform municipalities, stakeholders and the public about source protection planning.

The Source Protection Committee and Conservation Authority adopted an approach through which local decision-makers and residents could offer their input early on in the study and Assessment Report process. Presentations of vulnerability mapping were made to municipal councils as the maps were completed in early 2009. An effort was made to provide the public with the opportunity to learn more about the process and what was to be included in the Assessment Report prior to presenting the draft document. Seven public open houses were held in May and June of 2009 (Table 1). This approach allowed for feedback early in the process, and it resulted in the collection of local knowledge about the realities of each vulnerable area.

Table 1: 2009 Preliminary Consultation on Draft Proposed Assessment Report

2009 DATE	LOCATION	INTAKE OR WELL
1. Tuesday, May 19	Madoc Kiwanis Hall	Madoc, Deloro and Tweed
2. Wednesday, May 20	Tweed Hungerford	Tweed, Madoc and Deloro
3. Tuesday, May 26	Deseronto Lions Hall	Deseronto and Napanee secondary
4. Wednesday, May 27	Ameliasburgh Town Hall	Roblin Lake, Peats Point
5. Tuesday, June 9	Belleville Public Library	Belleville and Pointe Anne
6. Tuesday, June 16	Bloomfield Hall	Wellington, Picton
7. Thursday, June 18*	Loyalist Golf & Country Club	Napanee – secondary

*The Bath event was hosted jointly with the neighbouring Cataraqui Source Protection Area.

Prior to the open houses an email newsletter update was sent to all those (234 persons) who had signed up on the quintesourcewater.ca website. There was also radio and newspaper advertising. The open houses were hosted by Source

Protection Committee members and technical staff from Quinte Conservation (see Figure 1). Information was available about the *Clean Water Act, 2006*, the source protection planning process and the Ontario Drinking Water Stewardship Program (see Figure 2). Personnel from the Health Unit also attended six of the seven events, with a display about wells, clean water and health. The focus of the presentation and discussion at the open houses was the delineation of vulnerable areas and what this means to landowners. Work on the vulnerability scoring, threats inventory and issues evaluation was still ongoing. Draft maps and findings that were presented had been reviewed by the Source Protection Committee and municipal councils prior to sharing with the community. A total of 60 people attended this round of public events, not including Source Protection Committee members and staff.



Figure 1: May 27, 2009 Ameliasburgh Hall: Project Manager Keith Taylor discusses vulnerability mapping with local residents.



Figure 2: May and June 2009: Information on technical studies was available at Preliminary Open Houses

3 2010 Mail Out to Landowners in Vulnerable Areas

A mail out was conducted in January and February 2010 to all the landowners in the vulnerable areas of all the municipal intakes and wells in the Quinte Region. The mail out package included a letter with information about the source protection project, a background document, a map of the vulnerable area, a short one page questionnaire with space for comments on the reverse and a postage paid return envelope.

The purpose of the mail out was to:

- raise awareness about the drinking water source protection project in people living near the intakes and wells
- inform residents in vulnerable areas near the drinking water systems that their activities have the potential to impact the water quality and quantity of the drinking water system
- encourage those residents to become involved by providing feedback on a questionnaire
- assist the staff team and Source Protection Committee to develop an accurate list of significant threats in preparation for the notification required by Ontario Regulation 287/07
- assist the staff team and Source Protection Committee to gather new and useful knowledge for the Assessment Report

Prior to the mail out in December 2009 an email newsletter was sent to 240 individuals who had requested updates through the website. A media release was also issued, resulting in newspaper and local TV coverage.

The mail out was sent by drinking water system beginning in early January. A total of 4404 letters were mailed with 322 returned as undeliverable; with 4082 being the total letters delivered (see Table 2). The questionnaire return rate was greater than 40%, with over 1770 completed questionnaires returned.

Table 2: Number of letters sent to residents in vulnerable areas

Intake or Well	Letters Sent
Belleville Intake	969
Point Anne Intake	34
Deseronto Intake	599
Ameliasburgh Intake	80
Picton Intake	1371
Napanee Backup Intake	669
Deloro Well	27
Peats Point Well	109
Tweed Well	124
Madoc Well	421
Total	4404
Letters returned as undeliverable (moved etc)	322
TOTAL DELIVERED	4082

4 Consultation on the Draft Proposed Assessment Report

The Draft Proposed Assessment Report for the Quinte Source Protection Region was published on May 13, 2010. In accordance with the requirements of Ontario Regulation 288/07, the notice and Draft Proposed Assessment Report were posted on the quintesourcewater.ca website on May 13, 2010.

Notices (Figure 3) were sent to municipal clerks, the Mohawks of the Bay of Quinte, the adjacent source protection regions, the Bay of Quinte Remedial Action Plan and the Lakewide Management Plan for Ontario. (See Figure 4 Notice Mailing List). Also contacted by mail, were the persons known to the Source Protection Committee to be engaging in an activity that is or would be a significant drinking water threat. There were 324 landowners contacted (Table 3). An example of the letter sent to these persons is provided in Figure 5. The letter was customized for each drinking water system by listing the types of significant threats. The letter was further personalized by checking off the applicable significant threats on the list.

Table 3: Significant threat letters mailed by system.

Drinking Water System	Number of Letters Sent
Ameliasburgh	53
Belleville	3
Deloro	17
Deseronto	4
Madoc	88
Napanee	7
Peats Point	32
Picton	49
Point Anne	16
Tweed	55
Wellington	0
TOTAL	324

The Notice was published in local daily and weekly newspapers (see Table 4). An example of a newspaper notice is provided in Figure 6. The draft report was made available for public review during business hours at 10 places in the region; at the Quinte Conservation office near Belleville and at eight municipal offices (seven municipalities with municipal drinking water systems and one with land in a vulnerable area) and one library. (Table 5).

Table 4: Summary of Published Notices *

Publication Name	Edition(s)	Date Notice Published
Belleville Intelligencer	May 13, 2010	May 13, 2010
The EMC	Belleville EMC, Northeast EMC	May 20, 2010
The Picton Gazette	May 20, 2010	May 20, 2010
Napanee Beaver	May 20, 2010	May 20, 2010

* an ad about the Public Meetings was also published in the County Weekly News on Thursday, June 3, 2010.

Table 5: 2010 Locations Where Draft Proposed Assessment Report was Available for Inspection Following Internet Posting

Place	Time	Address
Quinte Conservation	Business Hours	2061 Old Highway 2, Belleville
City of Belleville – City Hall	Business Hours	169 Front Street, Belleville
Prince Edward County - Municipal Office – Shire Hall	Business Hours	332 Main Street, Picton
Municipality of Tweed – Municipal office	Business Hours	255 Metcalf Street, Tweed
Municipality of Centre Hastings - Municipal office	Business Hours	11379 Hwy 62, Madoc
Town of Deseronto - Municipal office	Business Hours	331 Main Street, Deseronto
Municipality of Marmora and Lake - Municipal office	Business Hours	12 Bursthall Street, Marmora
Town of Greater Napanee - Municipal office	Business Hours	124 John Street, Napanee
Madoc Township – Municipal office	Business Hours	15651 Hwy 62, near Eldorado
Ameliasburgh Library	Business Hours	809 Whitney Road, Ameliasburgh

Two email newsletters were sent to those who had signed up on the website for email updates and those (316 people) who had requested email updates through their responses to the mail out questionnaire. The newsletters were sent to about 500 email addresses. The first, entitled Source Water Protection Update was sent on May 13, 2010; the second newsletter, entitled Public Meeting Reminder, was sent on June 2, 2010. Both newsletters included direct links to the Draft Proposed Assessment Report posted on the quintesourcewater.ca website. Notices were also mailed via Canada Post to 96 questionnaire respondents who requested an update via regular mail.

Two media releases were issued; one on May 13 - *Public Comment Invited on Draft Proposed Assessment Report* and another on June 1 - *Public Meetings Focus on Drinking Water Sources*. The releases were posted on the quintesourcewater.ca and quinteconservation.ca websites and were covered in local papers and on radio. An interview report about the public meetings appeared on CKWS TV on June 3, 2010. The meetings were promoted through social media channels by postings on Facebook and Twitter; and also through postings on the Prince Edward County and Centre Hastings on-line municipal public events calendars and the Belleville Intelligencer on-line calendar.

Public meetings were held at Picton, Belleville, and Madoc in June, 2010 (Table 6). These events were held after the prescribed 21 days following the publication of the draft. A meeting was also held in Napanee, hosted jointly with the neighbouring Cataraqui Source Protection Area on May 17, 2010. This meeting was arranged by the Cataraqui Source Protection Area because the primary source of municipal drinking water for Greater Napanee is in the Cataraqui watershed and the backup or secondary source is within the Quinte Region.



Table 6: 2010 Public Meetings for the Draft Proposed Assessment Report

Date	Time	Location	# of Participants
June 7, 2010	6:30 to 8:30 PM	Quinte Conservation near Belleville	12
June 8, 2010	6:30 to 8:30 PM	Legion Hall in Town of Picton	20
June 9, 2010	6:30 to 8:30 PM	Kiwanis Hall in Village of Madoc	35
May 17, 2010*	5:00 to 8:00 PM	Strathcona Paper Centre in Napanee	15

* This meeting held jointly with the Cataraqui Source Protection Area

There were a total of 72 participants (not including staff, committee members and consultants) at the four events.

Response to the Draft Proposed Assessment Report was generally positive. Most of those attending had received a significant threat letter and were attending to ask questions and obtain further information.

NOTICE

Comment on Draft Proposed Assessment Report

The Quinte Region Source Protection Committee published the Draft Proposed Assessment Report on May 13, 2010, an important step in developing a drinking water source protection plan for the Quinte Region. Eleven municipal drinking water systems were studied:

- City of Belleville - Main and Point Anne
- Prince Edward County - Peats Point, Village of Ameliasburgh, Town of Picton, Town of Wellington
- Municipality of Tweed - Village of Tweed
- Municipality of Centre Hastings - Village of Madoc
- Town of Deseronto
- Municipality of Marmora and Lake - Village of Deloro
- Town of Greater Napanee - Napanee Backup system

The Draft Proposed Assessment Report was prepared under the *Clean Water Act 2006*. It identifies:

- areas vulnerable to contamination around municipal drinking water sources
- water quality and quantity problems
- land uses and activities that could pose a risk to our drinking water

See the Draft Proposed Assessment Report at: www.quintesourcewater.ca or during business hours at the following:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- City of Belleville, 169 Front Street, Belleville
- Prince Edward County, 332 Main Street, Picton
- Municipality of Tweed, 255 Metcalf Street, Tweed
- Municipality of Centre Hastings, 11379 Hwy 62, near Ivanhoe (after May 25, 7 Furnace St., Madoc)
- Town of Deseronto, 331 Main Street, Deseronto
- Municipality of Marmora and Lake, 12 Bursthall Street, Marmora
- Town of Greater Napanee, 124 John Street, Napanee
- Madoc Township, 15651 Highway 62, near Eldorado
- Ameliasburgh Library, 809 Whitney Road, Ameliasburgh

You are invited to attend a Public Meeting:

BELLEVILLE	PICTON	MADOC
<u>Monday, June 7</u>	<u>Tuesday, June 8</u>	<u>Wednesday, June 9</u>
6:30 to 8:30 PM	6:30 to 8:30 PM	6:30 to 8:30 PM
Presentation at 7:00	Presentation at 7:00	Presentation at 7:00
Quinte Conservation	Royal Canadian Legion	Kiwanis Centre
2016 Old Hwy. 2, near	347 Main Street	137 St. Lawrence Street E.
Wallbridge Loyalist Road		

Please submit comments in writing by Friday, June 18, 2010 to:
 Keith Taylor, Project Manager, Quinte Conservation, 2061 Old Highway 2, R. R. #2, Belleville, K8N 4Z2
 fax: 613-968-8240 email: ktaylor@quinteconservation.ca

www.quintesourcewater.ca

Figure 3: Copy of the Notice that was posted on the internet and included in mail out.

Ms. Julie Oram, Clerk City of Belleville City Hall, 169 Front Street Belleville, Ontario K8N 2Y8	Ms. Donnalee Craig, CAO/Clerk City of Quinte West 7 Crestwell Drive, PO Box 490 Trenton, Ontario K8V 5R6	Matt MacDonald, Clerk Municipality of Centre Hastings Box 900, 7 Furnace Street Madoc, Ontario K0K 2K0
Mr. William Lebow, Clerk Township of Madoc Box 503, 15651 Hwy. #2 Madoc, Ontario K0K 2K0	Ms. Patricia Bergeron, CAO/Clerk Municipality of Tweed Postal Bag 729, 255 Metcalf Street Tweed, Ontario K0K 3J0	Mr. Andrew McMurray, Clerk Township of Tudor & Cashel RR #2, Box 436 Gilmour, Ontario K0L 1W0
Mr. Jack Pahl, Clerk-Treasurer Township of Addington Highlands Box 89, 72 Edward Street Flinton, Ontario K0H 1P0	Ms. Darlene Plumley, Clerk/CAO Township of Stone Mills 4504 County Road #4 Centreville, Ontario K0K 1N0	Mr. Steven Mercer, Clerk-Treasurer Township of Tyendinaga RR #1, 859 Melrose Road Shannonville, Ontario K0K 3A0
Mr. Ron Chittick, CAO Municipality of Marmora & Lake Box 459, 12 Bursthall Street Marmora, Ontario K0K 2M0	Ms. Rebecca Murphy, Director of Corporate Services/Clerk Town of Greater Napanee PO Box 97, 124 John Street Napanee, Ontario, K7R 3L4	Mr. Kevin Heath, Clerk-Administrator Township Stirling/Rawdon 234 North Street, Box 40 Stirling, Ontario K0K 3E0
Mr. John Duchene, Clerk Township of Central Frontenac Box 89, 1084 Elizabeth Street Sharbot Lake, Ontario K0H 2P0	Mr. Wayne Orr, CAO Township of South Frontenac Box 100, 4432 George Street Sydenham, Ontario K0H 2T0	Ms. Brenda Defosse, Clerk/Plan. Coord. Township of North Frontenac Box 97, 6648 Road 506 Plevna, Ontario K0H 2M0
Ms. Brenda J. Hamilton, Director of Admin. Services/Clerk The Corporation of Loyalist Township Box 70, 263 Main Street Odessa, Ontario, K0H 2H0	Mr. Bryan Brooks, Clerk Town of Deseronto Box 310, 331 Main Street Deseronto, Ontario K0K 1X0	Ms. Victoria Leskie, Clerk County of Prince Edward 332 Main Street Picton, Ontario K0K 2T0
Ms. Sarah Midland-Jones, BQRAP Lower Trent Conservation 714 Murray Street, RR #1 Trenton, Ontario K8V 6C1	Mr. Conrad deBarros Canada-Ontario Agreement/Great Lakes Divisional Project Manager Program Services Section	Ms. Glenda Rodgers, Project Manager Lower Trent Conservation 714 Murray Street, RR #1 Trenton, Ontario K8V 6C1
Mr. Rob McRae, Project Manager Catawaqui Region Conservation Authority Box 160, 1641 Perth Road Gleburnie, Ontario K0H 1S0	Ministry of the Environment Unit 3, 1259 Gardiners Road P.O. Box 22032 Kingston, Ontario K7M 8S5	Mr. Brian Stratton, Manager Drinking Water Source Protection Mississippi-Rideau Source Protection Region Box 599, 3889 Rideau Valley Drive Manotick, Ontario K4M 1A5
Chief and Council Mohawks of the Bay of Quinte 13 Old York Road, RR #1 Deseronto Tyendinaga Mohawk Territory, Ontario K0K 3A0	Mr. Jim Pine, CAO/ Clerk County of Hastings 235 Pinnacle Street First Floor, Postal Bag 4400 Belleville, Ontario K8N 3A9	Ms. Elizabeth Savill, CAO Frontenac County 2069 Battersea Road Glenburnie, Ontario K0H 1S0
Mr. Larry Keech, CAO/Clerk County of Lennox and Addington 97 Thomas Street East Napanee, Ontario K7R 3S9	Mr. Brian Wright, Source Protection Coordinator Niagara Peninsula Conservation Authority 250 Thorold Road West, 3 rd Floor Welland, Ontario L3C 3W2	Ms. Bev Thorpe, Project Manager CTC Source Protection Region 70 Canuck Avenue Building 100 Downsview, Ontario M3K 2C5

Figure 4: Notice Mailing List



Quinte Source Protection Region, c/o Quinte Conservation, 2061 Old Highway #2, R.R. #2, Belleville, Ontario K8N 4Z2
Phone: 613-968-3434 or 613-354-3312 Fax: 613-968-8240 www.quintesourcewater.ca

<<Name here>>

<<ADDRESS>>

<<ADDRESS>>

PRIVATE & CONFIDENTIAL

May 14, 2010

Dear <<NAME HERE>>,

**RE: Protecting Municipal Drinking Water Sources;
Notice of Draft Proposed Assessment Report
as required by Ontario Regulation 287/07**

As a landowner with property at <<ADDRESS HERE>> in close proximity to the <<NAME OF SYSTEM>> municipal water supply you may be aware of the work that Quinte Conservation has been conducting as part of the Source Protection Program.

The purpose of this letter is:

- to advise you that the Draft Proposed Assessment Report is now complete and available for your review/inspection,
- to invite you to provide written comment on the report and
- to notify you that your property is located in a vulnerable area near the water supply and that there are certain activities that have been identified in the vulnerable area on your property that are, or could become, a significant drinking water threat.

Please allow me to explain further...

Background Information

A local committee, set up under the *Clean Water Act, 2006*, is working to create a plan by 2012 to protect sources of municipal drinking water in our region. The purpose of the plan will be to reduce or eliminate significant threats to our municipal drinking water. The Source Protection Committee includes people from the local area who come from many backgrounds, including municipalities, industry, farming, tourism, environmental interests and the general public. Quinte Conservation is working with the committee to identify and evaluate land uses and activities that are located near municipal surface water intakes and groundwater wells. Similar work is occurring in other regions, through other

Figure 5: Sample Letter of Notice to Significant Threats

committees and conservation authorities, all across Ontario. More information is available at www.quintesourcewater.ca and at www.ene.gov.on.ca/en/water/cleanwater/index.php.

As part of the process to develop a Source Protection Plan, the Source Protection Committee has prepared the Draft Proposed Assessment Report. This draft report contains the technical and scientific information that the Source Protection Committee will use to develop the Source Protection Plan. The report identifies: watershed characteristics; vulnerable areas for both groundwater and surface water sources; activities and conditions that pose a risk to the quality and quantity of drinking water sources; and, it ranks these risks as significant, moderate or low threats.

As part of the work to prepare the report, this January and February we contacted property owners in the vulnerable areas surrounding the municipal water supply by mail. We provided information about the source water protection program and requested feedback through a questionnaire. The questionnaire asked residents about land use activities and potential threats on their properties that may impact the municipal water supply. The response rate to the questionnaire was excellent. Information from the responses and other work by our staff and consultants has allowed us to narrow down the list of known significant threats near the water supply. Through our research we have not been able to eliminate your property from the list of significant threats to the drinking water source.

What Does This Mean To You?

Your property is located in an area that has been identified as vulnerable. There are certain activities that have been identified in the vulnerable area on your property that are, or could become, a significant drinking water threat. Please see the enclosed map.

Please be assured that your privacy has been protected and there is no personal identifying information in the Draft Proposed Assessment report.

Significant threats that have been identified around the <<NAME OF SYSTEM>> are listed below. One or more of these activities has been identified as occurring on your property or has not been ruled out as occurring on your property. If none of the significant threats listed below occur on your property, or you no longer own the property, please contact us (contact information below) in order that we may update/correct our records. <<LIST OF THREATS HERE; Shown below is an example>>

- ☐ application of agricultural source material to land
- ☐ application of commercial fertilizer to land
- ☐ use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard

Figure 5: Sample Letter of Notice to Significant Threats (cont'd)

- establishment, operation or maintenance of a system that collects stores, transmits, treats or disposes of sewage i.e. septic system
- application of pesticide to land for areas greater than one hectare

How to view the Draft Proposed Assessment Report

There are a number of opportunities to inspect the draft report. You may access it online at www.quintesourcewater.ca. A paper copy is also available for viewing at the Quinte Conservation Office and at <<CLOSEST LOCATION>> during business hours, <<ADDRESS HERE.>>

You are invited to attend one of three public meetings where we will present key findings from the Draft Proposed Assessment Report. These open house style meetings will be held from 6:30 to 8:30 PM, with a presentation at 7:00 PM on:

- Monday, June 7 at Quinte Conservation, 2061 Old Hwy 2, near Wallbridge Loyalist Road, Belleville
- Tuesday, June 8 at the Royal Canadian Legion, 347 Main Street, Picton
- Wednesday, June 9 at the Kiwanis Centre, 137 St. Lawrence Street East, Madoc

A meeting will also be held in Napanee, jointly with the Cataraqui Source Area on Monday, May 17 at the Strathcona Paper Centre, 16 McPherson Drive from 5:00 to 8:00 PM with a presentation at 7:00 PM.

How to provide your comments on the Draft Proposed Assessment Report

The public meetings are an opportunity to talk to our staff and committee members and provide your comments and suggestions. Your written comments are encouraged.

The deadline for written comments is Friday, June 18, 2010.

Written comments may be submitted at any of the public meetings or to:

Keith Taylor, Project Manager,
Quinte Conservation,
2061 Old Highway 2, R. R. # 2
Belleville ON K8N 4Z2
fax: 613-968-8240,
email: ktaylor@quinteconservation.ca

Figure 5: Sample Letter of Notice to Significant Threats (cont'd)

Thank you for your participation in this process; it is greatly appreciated. The Quinte Region Source Protection Committee wants your input and to include your ideas so that the Source Protection Plan, when written, will be fair, effective and based on accurate information.

If you have any questions, please do not hesitate to contact Keith Taylor, Project Manager at 613-968-3434 or 613-354-3312 ext 114 or via e-mail at ktaylor@quinteconservation.ca.

Yours truly,



Max Christie, Chairman



Keith Taylor, Project Manager

Enclosures: map, copy of notice, "What activities may affect our water sources"

Figure 5: Sample Letter of Notice to Significant Threats (cont'd)

Figure 6: Example of the newspaper Notice that appeared in Quinte Region newspapers

5 Comments Received

Comments were requested (to the attention of the Quinte Region Source Protection Committee) by June 18, 2010 in accordance with the prescribed 35 day comment window. A total of five comments were received: Four comments from the public and one set of comments from the Ministry of the Environment. No comment letters were received from the 21 municipalities in the Source Protection Region.

None of the comments received from the public were deemed to warrant revisions to the document by the Source Protection Committee. All of the comments from the Ministry of the Environment were addressed through updates to the document.

6 Consultation on the Proposed Assessment Report

The Proposed Assessment Report for the Quinte Source Protection Region was published on the Internet on July 12, 2010 in accordance with the Ontario *Clean Water Act, 2006* and Ontario Regulation 288/07. Notice was also sent to municipal clerks, The Mohawks of the Bay of Quinte, the adjacent source protection regions, the Bay of Quinte Remedial Action Plan and other interested parties. See Figure 4 for the mailing list. The Proposed Assessment Report was also made available for public review at the Quinte Conservation office near Belleville.

A media release issued July 13, 2010 was entitled “Another Chance to Comment on Proposed Assessment Report”. The release was posted on the quintesourcewater.ca and quinteconservation.ca websites and there was a related article in the Belleville Intelligencer on July 16, 2010. An email newsletter was sent July 13, 2010 to 496 persons who had signed up on the quintesourcewater.ca website.

Comments were requested (to the attention of the Quinte Source Protection Authority) by August 12, 2010 in accordance with the prescribed minimum 30 day comment window. One comment was received and it was resolved prior to submission. The Proposed Assessment Report was submitted to the Director on August 13, 2010.

7 Consultation on the 2011 Proposed Updated Assessment Report

In 2011, the Assessment Report was updated to include new technical work done to identify conditions, or past land use activities, that have resulted in contamination that could affect municipal drinking water sources. The Proposed Updated Assessment Report was published on the Internet at www.quintesourcewater.ca on April 21, 2011 in accordance with the Ontario *Clean Water Act, 2006* and Ontario Regulation 288/07. Following publication on the Internet, a notice was published in newspapers in the municipalities affected by the report; City of Belleville and Prince Edward County. See Figure 7. Notices were sent to the affected municipalities: City of Belleville and County of Prince Edward; and also to other municipalities in which there were potential conditions reviewed that did not meet the criteria. Written Comments were requested by noon on May 24, 2011. No comments were received.

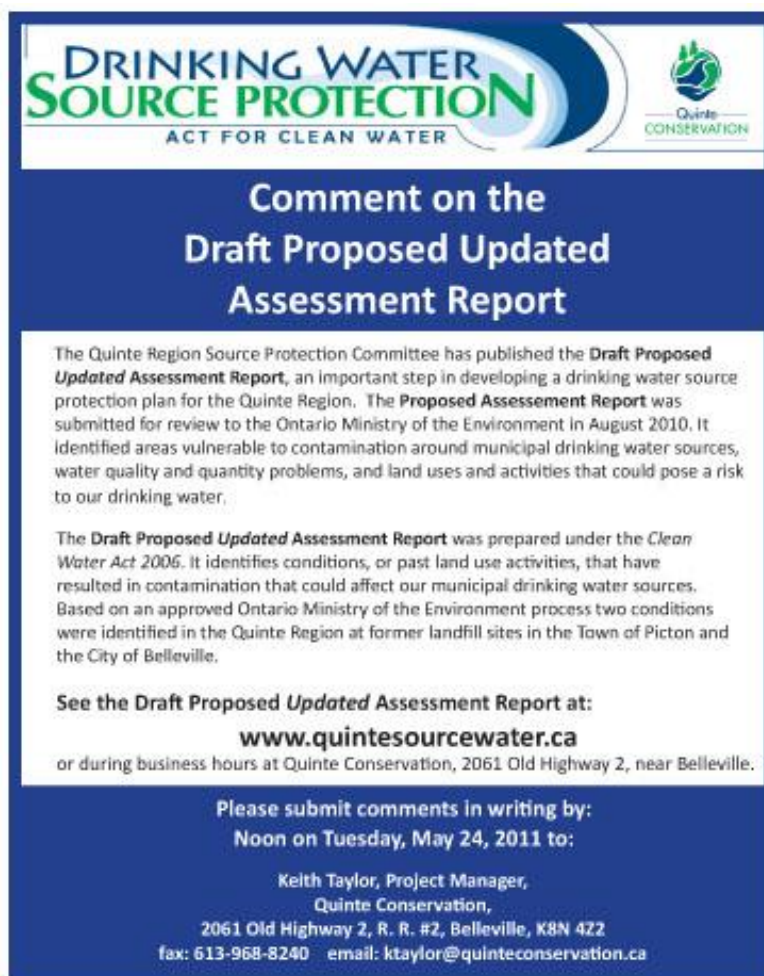


Figure 7: Copy of the Updated Assessment Report Notice

The notice was published in local daily and weekly newspapers on dates listed in Table 7.

Table 7: Summary of Update Assessment Report Published Notices

Publication Name	Edition(s)	Date Notice Published
Belleville Intelligencer	May 6, 2011 & May 7, 2011	May 6, 2011 & May 7, 2011
The EMC	Belleville EMC	May 12, 2011
The Picton Gazette	May 12, 2011	May 12, 2011
The County Weekly	May 12, 2011	May 12, 2011

2 County Weekly News • Thursday, May 12, 2011



Schooners Fish & Chips

Homemade Fries Fresh Daily • Clam Chowder
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HOURS
Tues., Wed., Thurs, Sat. 11am - 7pm
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Minimizing a healthy weight means eating healthy foods and taking the long way home.

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www.pictonpic.com

County pays tribute to

Joanne Courneya-FitzRoy
County Weekly News

After 26 years of service, Prince Edward County's Chief Administration Officer (CAO) Richard Shannon attended his last regular meeting of council May 10.

Shannon began his time with Prince Edward County before amalgamation. County Mayor Peter Mertens thanked Shannon for his years of service and expressed appreciation for what he has done for the municipality. Council and staff rose to applaud Shannon at the conclusion of the council meeting.

The biggest achievement during Shannon's time as CAO has been the restructuring of the municipality for amalgamation, he said.

"A lot of resources went into the project. It took a lot of work by the local councils and County council of the day," he said. He thought the process would take three to five years, but "some things still linger eight or nine years later," he said. "I do not believe the municipality has sufficient reserves behind it. This issue has not been bridged by annual budgets to date."

Shannon also noted that the



After 26 years, Prince Edward County's Chief Administration Officer (CAO) Richard Shannon attended his last meeting of council May 10.

province's downloading of services to the municipalities has put a lot of stress on the newly restructured Prince Edward County. "The new municipality is different from the old ten towns," he said. "Before there were two tiers of government for roads, recreation, roads, and many departments. Now it has been consolidated into one service provider. We are one of the smallest

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER



Comment on the Draft Proposed Updated Assessment Report

The Quinte Region Source Protection Committee has published the **Draft Proposed Updated Assessment Report**, an important step in developing a drinking water source protection plan for the Quinte Region. The **Proposed Assessment Report** was submitted for review to the Ontario Ministry of the Environment in August 2010. It identified areas vulnerable to contamination around municipal drinking water sources, water quality and quantity problems, and land uses and activities that could pose a risk to our drinking water.

The **Draft Proposed Updated Assessment Report** was prepared under the **Clean Water Act 2006**. It identifies conditions, or past land use activities, that have resulted in contamination that could affect our municipal drinking water sources. Based on an approved Ontario Ministry of the Environment process two conditions were identified in the Quinte Region at former landfill sites in the Town of Picton and the City of Belleville.

See the **Draft Proposed Updated Assessment Report** at:
www.quintesourcewater.ca
or during business hours at Quinte Conservation, 2061 Old Highway 2, near Belleville.

Please submit comments in writing by:
Noon on Tuesday, May 24, 2011 to:

Keith Taylor, Project Manager,
Quinte Conservation,
2061 Old Highway 2, R. R. #2, Belleville, K8N 4Z2
fax: 613-968-8240 email: ktaylor@quinteconservation.ca

Strategic planning session airs

Joanne Courneya-FitzRoy
County Weekly News

A municipality's strategic plan is a road map toward getting an ideal community.

So said Prince Edward County Mayor Peter Mertens in his address to council at their strategic planning meeting May 9 in Wellington. The target of the all-day session was to arrive at five priority actions and what the municipality expects to derive from those actions.

The first order of action was to

establish a vision statement for the municipality, which after several incarnations became the following: "Prince Edward County is a progressive, inclusive rural community embracing innovation and providing opportunity while respecting its heritage and natural environment." Some of the issues discussed during the session included economic development, employment opportunities, affordable transportation, and an equitable telecommunications infrastructure.

Mertens said an economic development strategy is critical as it would identify priorities such as funding opportunities and partnerships.



West Lake Motors.ca

613.399.5999
126 Main Street, Wellington, ON

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Figure 8: Example of Updated Assessment Report Notice in Quinte Region newspapers

8 Consultation on the 2013 Proposed Updated Assessment Report

The Assessment Report required updating as a result of threats verification and new technical work done in 2013. Concurrent consultation on the Assessment Report and Proposed Source Protection Plan, was undertaken from October 31,

2013 to December 6, 2013, on the resulting updates as per the issues based threats work on the Village of Madoc wells. Consultation was guided by requirements in Regulation 287/07 and a memo from the Ministry of the Environment dated March 26, 2013 entitled “Technical Work and Source Protection Plan Revisions Updates – Consultation Requirements Summary”.

The issues based threat assessment was undertaken in the spring and summer of 2013 for the Village of Madoc wells. These municipal wells are considered GUDI (ground water under the direct influence of surface water) wells and are influenced by surface water in Deer and Madoc Creeks. The project examined land use activities along the creeks that may impact water quality in the creeks and thus the municipal water supply. Significant threat activities were enumerated related to septic systems and agricultural activities in the newly identified vulnerable area called the issues contributing area. The Village of Madoc wells are in the Municipality of Centre Hastings and most of the issues contributing area is in the Township of Madoc.

Proposed updates as a result of this work included the explanation of the research methodology (Chapter 4), the identification of the issues contributing area and enumeration of related significant threat activities (Chapter 5). The updates identified 13 new potential significant threats from septic systems and 45 from agricultural activities.

Additional activities-based threats verification work conducted in the spring and summer of 2013 also required updates be made to Chapter 5 Groundwater Resources and Chapter 6 Surface Water Municipal Intakes. The threats verification work led to a reduction in the number of threats. Research, field work, and landowner contact verified, for example, that there were fewer threats from home heating oil than previously enumerated. There was no public consultation required for these particular updates to the number of threats as no new parcels with significant threats were added and no related policies in the Proposed Source Protection Plan were affected.

Steps taken to consult on the updates to the Assessment Report include:

- a) A meeting was held with the clerks of Centre Hastings and the Township of Madoc on April 30, 2013 at Madoc Township Hall to discuss the commencement of the new technical work.
- b) Early outreach in the form of a letter and postage paid return questionnaire was sent to all those persons within the area where the new technical work was being undertaken in May, 2013.

-
- c) A notice (Figure 9) and the proposed updates to Assessment Report were published on the Internet at www.quintesourcewater.ca on October 31, 2013 in accordance with the *Clean Water Act, 2006* and Ontario Regulation 288/07.
 - d) A copy of the Notice was personally delivered to the clerks of Centre Hastings and the Township of Madoc by the Project Manager on October 30. Clerks also received an invitation to pass on to members of council about the related scheduled public meeting.
 - e) Paper copies of the proposed updates were made available for public review during business hours at Quinte Conservation and at the municipal offices of Centre Hastings and the Township of Madoc.
 - f) Letters with the notice, a backgrounder and map were sent to 54 persons known to the Source Protection Committee to be engaging in an activity that is or could be a significant drinking water threat. An example of the letter sent to these persons is provided in Figure 10.
 - g) Letters with notice were also sent to the Director, Source Protection Programs Branch at the Ministry of the Environment; the Review Coordinator, Environmental Management Branch, at the Ministry of Agriculture, Food and Rural Affairs; and the CAO and Director of Planning for Hastings County.
 - h) Newspaper advertisements appeared in the Community Press and the Central Hastings News (EMC zone 2) on October 31 (Figure 11).
 - i) An email newsletter was sent on October 31, 2013 to approximately 500 people to inform regarding updates to the documents, the public consultation, and the opportunities to provide comment.
 - j) A public meeting was held on November 19, 2013 at the Madoc Township Hall from 6:30 to 8:30 PM with a presentation at 7:00. Twenty six people attended as well as two committee members and source protection staff.

More information on this concurrent public consultation is available in the Source Protection Plan and the Explanatory Document.



October 31, 2013

PUBLIC NOTICE

Comment on Draft Proposed Updates to the Approved Assessment Report and Proposed Source Protection Plan Prepared under the *Clean Water Act*, 2006 Quinte Source Protection Region

The Quinte Region Source Protection Committee invites the public to review and comment on proposed updates to the Approved Assessment Report, 2011 and the Proposed Source Protection Plan. The Assessment Reports identifies threats to municipal drinking water sources. The Source Protection Plan sets out policies to address identified threats to municipal drinking water sources.

See the Proposed Updates:

- **Online** - view or download the documents at www.quintesourcewater.ca
- **Paper Copy** - review a paper copy of the documents during office hours at:
Quinte Conservation, 2061 Old Highway 2, Belleville
Centre Hastings Municipal Office, 7 Furnace Street Madoc
Township of Madoc Municipal Office, 15651 Highway 62 near Eldorado
- **Digital (DVD) copies** - available at Quinte Conservation

Attend a Public Meeting: Tuesday, November 19 from 6:30 to 8:30 pm with a presentation at 7:00 at the Madoc Township Hall, 15651 Highway 62, near Eldorado

**The public is invited to submit written comments on the
draft proposed updates to these documents by December 6, 2013 to:**

**Quinte Conservation
2061 Old Highway 2, R. R. #2, Belleville ON K8N 4Z2
fax: 613-968-8240
email: ktaylor@quinteconservation.ca**

**For more information visit www.quintesourcewater.ca or contact:
Keith Taylor, Project Manager, Quinte Source Protection Region,
c/o Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville, ON K8N 4Z2
613-968-3434 ext 114 or ktaylor@quinteconservation.ca**

Figure 9 Notice Published on the Internet



Quinte Source Protection Region, c/o Quinte Conservation, 2061 Old Highway #2, R.R. #2, Belleville, Ontario K8N 4Z2
Phone: 613-968-3434 or 613-354-3312 Fax: 613-968-8240 www.quintesourcewater.ca

Mr. Property Owner
123 Any Street
Local Municipality

PRIVATE & CONFIDENTIAL

October 29, 2013

Dear << name here >> or OCCUPANT,

Re: Invitation to provide comments on proposed updates to the Approved Assessment Report and the Proposed Source Protection Plan

In May we contacted you to inform you about drinking water source protection research underway in your area and to request your completion of a questionnaire. There was an excellent response rate to the questionnaire and we thank you sincerely for your assistance if you were one of the many who responded.

As a result of that research, which is now complete, updates have been drafted to both the Approved Assessment Report and the Proposed Source Protection Plan. Your comments on these proposed updates are now invited because there could be implications for certain activities on your property once these updates are approved. More details are provided below.

The Quinte Region Source Protection Committee prepared the updates to address the threats to the Village of Madoc municipal drinking water sources identified by the research. These updates are available for review at your local municipal office, at Quinte Conservation and on the project website at www.quintesourcewater.ca.

Your written comments on the proposed updates are invited on or before December 6, 2013 by mail to: Quinte Region Source Protection Committee, c/o Keith Taylor, Project Manager, Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville ON K8N 4Z2, by email to: ktaylor@quinteconservation.ca, or by fax to: 613-968-8240. A public meeting will also be held Tuesday, November 19, 2013, from 6:30 to 8:30 pm, at the Madoc Township Hall, 15651 Highway 62. Please see the enclosed 'Public Notice' for details.

If you have questions about how these updates may affect you or activities on your property, a member of our project staff will be pleased to meet with you in person or speak with you by phone. Please contact Keith Taylor, at 613-968-3434 ext 114 or at ktaylor@quinteconservation.ca.

Figure 10: Sample Letter of Notice to those Engaged in Significant Threat Activities

Further information about source protection planning is available at www.quintesourcewater.ca and at the Ontario Ministry of the Environment website at www.ene.gov.on.ca/en/water/cleanwater.

Source Protection Planning: Background

An Assessment Report identifies areas vulnerable to contamination around municipal water sources, water quality problems, and land use activities that could pose a risk to drinking water sources. A Source Protection Plan outlines policies to address the threats to municipal water sources identified in the Assessment Report.

Work to protect municipal drinking water sources in Ontario is carried out under the *Clean Water Act, 2006* and is funded and directed by the Ministry of the Environment. In the Quinte Region the local Proposed Source Protection Plan was developed, in a five year science-based and collaborative process, by a local Source Protection Committee. The committee had scientific, technical, administrative and communications support from Quinte Conservation.

The Source Protection Plan must ensure that existing activities cease to be significant drinking water threats and that these activities do not become significant drinking water threats in the future. Policies in the Plan may specify actions that property owners or tenants must take to manage, or eliminate, activities that affect the quality of municipal drinking water supplies.

The Proposed Source Protection Plan was submitted to the Ministry of the Environment for review in August of 2012. While that review has been ongoing, further research was conducted on issues affecting the Village of Madoc wells. Results of that technical work have now required that updates be made to both the Approved Assessment Report and the Proposed Source Protection Plan.

Research on the Village of Madoc Wells: Background

The research, on the Village of Madoc Issues Contributing Area, was conducted this spring and summer. It examined sources of contamination along Deer and Madoc Creeks that may influence the water quality in the Village of Madoc municipal wells. Certain activities undertaken on the land or in the water near a municipal water source have the potential to present a significant threat to that water source.

The two municipal wells for the Village of Madoc draw water from the surrounding ground but are also influenced by the quality of water flowing in nearby Deer and Madoc Creeks. This is because the fractured bedrock in the area has many cracks and crevices which allow surface water in the creeks to easily and quickly enter the groundwater. This means that if the surface water in the creeks is contaminated it could impact the groundwater and the municipal wells. Water quality testing has shown that contamination from the creeks occurs (E. coli, Total Coliform and Organic Nitrogen), and so the municipal well water must be treated prior to use.

Knowledge gained through this research required the proposed updates to the Approved Assessment Report and Proposed Source Protection Plan.

Please be assured that, as per the *Municipal Freedom of Information and Protection of Privacy Act*, there is no personal identifying information in the study, Assessment Report or Proposed Source Protection Plan.

Setback reduced in the area under study

The technical work began by examining land use activities within 120 metres of the Deer and Madoc Creeks. This area was shown on the map included in our previous letter.

Progress on the research led to a reduction in the critical area under analysis from 120 metres to within 30 metres of the creeks. The 120 metre setback distance from the creeks was re-examined following discussions with the clerks of Madoc Township and Centre Hastings and as a result of field work and scientific investigation. A 30 metre setback is used in Ontario regulations related to land use planning, building and environmental protection and was deemed to be appropriate as the Issues Contributing Area for the Village of Madoc wells. The change in the setback to within 30 metres of the creeks reduced the number of properties where activities were identified that may impact the municipal water source. This number of affected properties was also reduced as completed questionnaires were returned following our mailing in May. The 30 metre setback is shown on the enclosed map.

What about activities on your property?

Our information shows that your property at << property address here>> is within 30 meters of Deer or Madoc Creek and therefore could be affected by the proposed updates to the Assessment Report and the Source Protection Plan.

Only certain activities within the 30 metre zone are considered to be potential significant threats to the water source. These activities include operation of a septic system and agriculture activities involving storage, handling and application of agricultural source material (whey and manure) and fertilizer, and grazing of livestock.

If you find that our records are incorrect, or there is no potential for any of the above activities to be engaged in on your property, please contact the undersigned in order that we may correct our records.

How will this affect you?

The identification of a significant threat activity(s) does not necessarily mean that the water source has already been impacted but that the *potential* exists to contaminate the water source.

Under the *Clean Water Act*, 2006 significant threat activities, both existing and potential, must be identified in the Assessment Report. The updated Assessment Report will include the results of this recent Issues Contributing Area technical work.

Similarly, the Proposed Source Protection Plan must be updated to reflect the changes to the Assessment Report so that identified significant threat activities can be addressed. Policies in the Plan related to sewage and agriculture were updated to include the 30 metre zone from Deer and Madoc Creeks.

Specifically, the proposed updates mean that parcels within 30 metres of the creeks with:

- **Septic Systems** will be inspected on a five year mandatory inspection cycle in accordance with the Ontario Building Code, and that five year inspection cycle will start once the newly Updated Assessment Report is approved. The purpose of these inspections is to ensure that septic systems are operating properly and not contaminating the creek or nearby groundwater.
- **Agricultural Operations** will require risk management plans to address activities that could contribute E. coli, Total Coliform and Organic Nitrogen to the creeks. This may include measures such as fencing to restrict livestock access to the creeks, establishing a vegetative buffer zone along the creeks and restricting storage, handling and application of fertilizers and/or agricultural source materials within 30 metres of the creeks.

(A risk management plan is a site specific document negotiated after the approval of the Source Protection Plan. It is negotiated by the person engaged in the activity and an accredited risk management official appointed by a municipality. The intent is that the risk management plan be voluntarily negotiated wherever possible. This means there is opportunity for discussion, flexibility and agreement as to how a significant drinking water threat will be regulated on a property in order to reduce the potential impact on drinking water sources. The risk management plan includes and accounts for any risk management measures that may already be in place such as a nutrient management plan. Risk management plans will vary in complexity depending on circumstances on each property. Many will be simple and straightforward.)

In Conclusion

The Quinte Region Source Protection Committee encourages you to ask questions, offer comments, and provide your input during this consultation period. More information is available on the website www.quintesourcewater.ca and will be provided at the public meeting on Tuesday, November 19, 2013 from 6:30 to 8:30 pm.

If you have any questions, or would like to discuss the proposed updates, please do not hesitate to contact Keith Taylor, Project Manager at 613-968-3434 or 613-354-3312 ext 114 or via e-mail at ktaylor@quinteconservation.ca.

Your participation in this public consultation process is appreciated.

Yours truly,

A handwritten signature in blue ink that reads "Max Christie". The signature is written in a cursive, flowing style.

Max Christie, Chairman

A handwritten signature in blue ink that reads "Keith Taylor". The signature is written in a cursive, flowing style.

Keith Taylor, Project Manager

Enclosures: Map, Notice

Call to consider a management agreement

Continued from page 14

natives to deliver services, calling on Terry Murphy for comments. Murphy said QCA, which includes three former conservation authorities, has two engineers, two biologists, a health and safety representative, an ecologist and a planner. "Basically," he said, "the concept is the same as the Crowe except we are bigger and we have more staff. Earlier this year we were asked if we would consider putting together a proposal ... and what would it cost to deliver program in the Crowe watershed." A committee was formed and a proposal put together covering all the program areas concentrating on core programs related to water management. Meetings with CVCA staff and tours of the dams followed. With regard to the distances involved, Murphy said delivering effective programs was possible. He indicated a QCA staff member lived in the Crowe watershed which could be a help with relation to those seeking permits, and mentioned a sub office with three staff members located in Tweed, leading him to say he didn't think distance would be an issue. He concluded, "Our board has authorized us to continue negotiating and has also made it very clear that regardless of what direction the board [CVCA] decides to go, we are still prepared to offer assistance to the Crowe staff."

Dave Daunter was the first member of the public to speak, having prepared a lengthy written presentation which extended past the five-minute limit, his opinion being that to support the motion to enter a service agreement would be a mistake; would have a major and negative impact on CVCA staff. He suggested the board work as a team with CVCA staff, the Trent Conservation Coalition and QCA to resolve issues.

Ritch Smith, representing Crowe Lake Waterway Association said their primary concern was with infrastructure regarding water level management, flood control and flood forecasting. He felt one of the things missing in CVCA was input from property owners, added CVCA wasn't "big enough to cut it today" and said his recommendation to the CLWA board was that the service agreement was a good idea and should be pursued.

Dave Golem, reeve of Limerick Township, acknowledged the huge effort involved in arriving at the current point, but said he didn't feel that board could, at this point, make an informed decision on the matter.

Bob Allen, president of Shuman Power which has a presence at the Marmora Dam, said there had been a long-term operation and maintenance contract in place since 1993 which he would like to see maintained. His concerns related to log operation, and timely support, saving the company provided revenue to CVCA. He was assured by Rand that under a service agreement, that all operations would be "at least as good as they are currently."

Marmora resident Fred Quarme voiced concerns that if the proposal were to go ahead, the board would hold the liability. Board member Hector MacMillan spoke to the concern saying Quinte would simply be hired as a contractor to deliver the services. Kathy Hamilton indicated that to the average person, the proposal sounded more like a takeover. She referred to a wish to see the excellent service provided by CVCA staff continue, saying the proposal represented "despicable treatment" of the employees.

Pat Skillard, representing the Stensburg Lake Community Association, suggested the package didn't provide enough detail about the service agreement or the evaluation of the current operating conditions at CVCA that led to the recommendation. He stated an understanding the ten host townships' concern over the long-term risk and liability, and added, "We are, however,

concerned that this board may be rushing to find a solution without properly and fully evaluating all options ...". He added that delegating responsibility to a third party would not absolve the board from risks.

Terry Stinson of Algonquin Power, which has a presence on Cordova Lake, spoke of the importance of water levels to the business and said how pleased they had been with CVCA's management of the stop logs, and that operating from a distance might not be the best solution.

Former board member Jim Martin, said CVCA had lacked long-term planning, then thanked the committee for looking to the future, his thinking being that the proposal, "with a little more work, could take us into the future in really good shape."

Another previous board member, Bob Ireland, who is vice president of the Wollaston Lake Home and Cottage Association, said he felt there were inconsistencies within the proposal, the major item being the governance model which he said had not yet been worked out. He suggested service level agreements are absolutely key in making something like this work. He also had an issue with only one CVCA board member potentially sitting on the QCA board. He had concerns with changes to personnel, saying those who had been working at CVCA for some time knew the watershed better than anyone else.

Vesa Koivusalo, a Crowe Lake property owner, wondered if there would be any consultation with lake associations or with residents of the area. He also asked that

if the details couldn't be worked out, was there a way to back out.

Ron Gerow responded that the board was open to all in terms of helping to move forward with the long-term plan. He said,

"What I see here today is a proposal that has been put together by Quinte and by our committee ... There is a lot of detail to be worked out and if the board is of the mind that they wish to continue to entertain the proposal from Quinte, that the real work is yet to be undertaken in terms of the detail of the plan ... The board has been very clear. They have given the committee the mandate to go and speak with Quinte in terms of the basics of a plan."

Board members were invited to comment with Suzanne Partridge saying that for her it would be necessary, not optional, to have a satellite office for area residents. Hector MacMillan suggested the board continue with the creation of an agreement with QCA, moving that "The board consider all public comments and that the sub-committee further investigate the service agreement and report to the Full Authority Board on November 7. The resulting recorded vote, which was not weighted, ended in a tie which as Rand indicated, meant that it failed."

Following the meeting, Terry Murphy commented, "We were approached back in April by the Crowe board to entertain the idea of putting together a proposal to deliver services ... The decision made today was their board decision and we have to respect that. We will continue to offer our professional assistance if the Crowe needs it ..."

Ron Gerow indicated he appreciated the public's comments, then said, "I guess I am disappointed that the board has chosen not to continue to look at the proposal. I think it certainly had some merit and the building blocks for the base of the agreement will now never be known unless there is reconsideration by the board ... The issues that led up to taking a look at the other alternatives are now back on the table again and what does that mean for our municipalities in terms of its future with the CVCA. My question to the Board in November will be how do we move forward from here ..."

Barry Rand stressed that he was very impressed with the number of people in attendance, saying their input reflected the communities' interests and concerns about the future. I think it was a challenging decision for this board to make ... From an operational point of view, the proposal is a significant departure in some ways from the way we currently operate and probably explains the breadth of opinions ... The committee did work hard and came up with what they considered to be a reasonable proposal and the board has voted to not continue with that development."

Memories in Music



St. John's Anglican Church of Madoc hosted a full house of nostalgic music lovers for a Saturday night concert, October 26, featuring musical memories by local boys, Lorne Hagerman and Bob Ash, who started out in 1966 at Centre Hastings High School as The Trolls. Their jorral rendition was followed by a dynamic tribute of Neil Diamond tunes by Tim Hunt of Belleville. Photo: Diane Sherman

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER



NOTICE OF PUBLIC MEETING & COMMENT PERIOD

Comment is invited on updates to the Approved Assessment Report and the Proposed Source Protection Plan related to the Village of Madoc municipal wells

The Quinte Region Source Protection Committee invites public comment on proposed updates to the Approved Assessment Report and Proposed Source Protection Plan. The proposed updates are as a result of research conducted in 2013 that examined sources of contamination in specific areas that may impact water quality in the Village of Madoc municipal wells.

If you live or own property within 30 metres of Deer and/or Madoc Creek, in the Village of Madoc or north of Highway 7, then the proposed updates may affect you.

An Assessment Report identifies: areas vulnerable to contamination around municipal water sources, water quality problems and land uses or activities that could pose a risk to drinking water. A Source Protection Plan outlines policies to address identified threats to municipal water sources.

See the proposed updates to these documents at: www.quintesourcewater.ca or during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- Municipality of Centre Hastings, 7 Furnace Street, Madoc
- Madoc Township, 15651 Highway 62, near Eldorado

Please submit comments in writing by Friday, December 6, 2013 to:

Keith Taylor, Project Manager, Quinte Conservation, 2061 Old Highway 2, R. R. #2, Belleville, K8N 4Z2
fax: 613-968-8240 email: ktaylor@quinteconservation.ca enquiries: 613-968-3434

Public Meeting from 6:30 to 8:30 PM with a presentation at 7:00 PM

MADOC TOWNSHIP HALL
TUESDAY, NOVEMBER 19, 2013
15651 Highway 62, near Eldorado

Central Hastings News - Thursday, October 31, 2013 15

Figure 11: Example of Newspaper Advertisement October 31, 2013

9 Consultation on the 2019 Updated Assessment Report

9.1 Consultation on Intake Protection Zone Updates for City of Belleville and Town of Picton

The Assessment Report required updating in 2016 to include revised intake protection zone maps for the City of Belleville and Town of Picton.

Concurrent consultation was held on the proposed updates to the Assessment Report and corresponding amendments to the Source Protection Plan in the fall of 2016. This consultation was triggered by the mapping changes.



Maps for the Assessment Report and Source Protection Plan were originally created in 2009. By 2016, new areas of land had been developed within the City of Belleville and the Town of Picton. These newly developed areas had the potential for activities that could result in contaminant spills and runoff that could impact the municipal water sources. It was important to show the possibility of impacts to the municipal water sources from the newly developed areas on updated intake protection zone maps.

The Quinte Region Source Protection Authority, in conjunction with the Quinte Region Source Protection Committee, proposed that the Assessment Report be updated and the Source Protection Plan be amended to include the newly revised intake protection zone maps. No changes were proposed to any of the policies in the Source Protection Plan; the amendments proposed were to the actual area to which the policies would apply in the City of Belleville and Town of Picton. However, the policies now apply in new geographic area (the newly included in the intake protection zones). The source protection plan was updated to include new information about policy effective dates in the newly affected areas as the existing policies were simply extended to the new wellhead protection areas. Therefore, once the amendments were approved by the Ministry of the Environment, Conservation and Parks (MECP), the effective dates outlined on the policies commenced from the date the updated source protection plan took effect, as specified by the Minister.

Steps taken to consult on the proposed updates to the Assessment Report include:

- a) Pre-consultation with municipal staff of the City of Belleville and Prince Edward County occurred in the summer of 2016. The Ministry of the Environment, Conservation and Parks was also pre-consulted.

-
- b) Early outreach by source protection authority staff to those landowners potentially engaged in significant threat activities occurred in the summer of 2016. This included in-person meetings and telephone calls.
 - c) Resolutions in support of the amendments required and changes to the Intake Protection Zone mapping were passed by Municipal Councils at the City of Belleville and Prince Edward County on September 26, 2016 and October 13, 2016, respectively.
 - d) A notice (Figure 12) and the proposed updates to Assessment Report were published on the Internet at QuinteSourceWater.ca on November 17, 2016 in accordance with the Clean Water Act, 2006 and Ontario Regulation 288/07.
 - e) Paper copies of the proposed updates were made available for public review during business hours at Quinte Conservation and at the municipal offices of The City of Belleville and Prince Edward County from November 17, 2016 to December 23, 2016.
 - f) Letters with the notice, and proposed updated map were sent to 185 persons in the newly added areas on the proposed maps and included those persons known to be engaging in an activity that is or could be a significant drinking water threat. An example of the letter sent to these persons is provided in Figure 13.
 - g) Letters with notice were also sent to the Director, Source Protection Programs Branch at the Ministry of the Environment, Conservation and Parks; the Review Coordinator, Environmental Management Branch, at the Ministry of Agriculture, Food and Rural Affairs; Ministry of Municipal Affairs, Ministry of Transportation, and all other implementing bodies of the Quinte Source Protection Plan.
 - h) Newspaper advertisements appeared in the Picton Gazette and the Belleville EMC on November 17, 2016 (Figure 14).
 - i) An email newsletter was sent on November 14, 2016 to approximately 175 people to inform regarding updates to the documents, the public consultation, and the opportunities to provide comment.
 - j) Social media postings were made on Facebook and Twitter regarding the proposed changes and the opportunity to provide public comment.
 - k) Consultation with all implementing bodies commenced July 12, 2017 with all implementing bodies receiving an amendment notice and pertinent information related to the update. All agencies responsible for implementing policies within the source protection plan were provided with a notice letter, updated technical work and maps (Figure 15). Comments were requested by August 4, 2017.
-



November 17, 2016

PUBLIC NOTICE

**Comment on proposed amendments to the
Quinte Region Source Protection Plan and Assessment Report
prepared under the *Clean Water Act*, 2006**

Quinte Conservation (Source Protection Authority) invites the public to review and comment on proposed updates and amendments to the above noted documents. The Assessment Report identifies threats to municipal drinking water sources. The Source Protection Plan sets out policies to address those threats. It is proposed to update maps in the documents to include newly developed areas in the City of Belleville and the Town of Picton. Certain Source Protection Plan policies would then apply in those areas added to the maps.

See the proposed changes to the intake protection zone mapping for the Town of Picton and the City of Belleville. See which policies in the Approved Source Protection Plan would apply in the newly added developed areas:

- **Online** - at QuinteSourceWater.ca
- **Paper Copy** - review a paper copy of the documents during office hours at:
Quinte Conservation, 2061 Old Highway 2, Belleville
City Hall Belleville, 2nd floor, 169 Front St, Belleville, ON K8N 2Y8
Shire Hall Picton, Clerk's Office, 3rd floor, 332 Main St, Picton, ON K0K 2T0
- **Digital (DVD) copies** - available at Quinte Conservation

The public is invited to submit written comments by December 23, 2016 to:

Quinte Conservation
2061 Old Highway 2, R. R. #2, Belleville ON K8N 4Z2
fax: 613-968-8240
email: adickens@quinteconservation.ca
or online at QuinteSourceWater.ca

For more information visit QuinteSourceWater.ca or contact:
Amy Dickens, Project Coordinator, Quinte Source Protection Region,
c/o Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville, ON K8N 4Z2
613-968-3434 ext 132 or 613-354-3312 ext 132 or adickens@quinteconservation.ca

Figure 12: Notice of Public Consultation



Quinte Source Protection Region, c/o Quinte Conservation, 2061 Old Highway #2, R.R. #2, Belleville, Ontario K8N 4Z2
Phone: 613-968-3434 or 613-354-3312 Fax: 613-968-8240 www.quintesourcewater.ca

Mr. Property Owner
123 Any Street
Local Municipality
Ontario

PRIVATE & CONFIDENTIAL

November 14, 2016

Dear << name here>> or OCCUPANT,

**Re: City of Belleville drinking water system: Invitation to provide comments
on proposed changes to the Approved Assessment Report and the Approved
Source Protection Plan as per the Clean Water Act**

Your written comments are invited on proposed amendments to the Quinte Region's Assessment Report and Source Protection Plan, developed under Ontario's Clean Water Act. See the enclosed notice. The proposed amendments could affect certain activities on your property at << address here>>.

Proposed Changes to Belleville Map Means Amendments Required

The Quinte Region Source Protection Plan contains policies designed to protect public drinking water sources. The Quinte Region Assessment Report identifies the vulnerable areas surrounding the drinking water sources and lists the type and number of drinking water threats. Both documents contain maps.

Maps in the Assessment Report and Source Protection Plan were originally created in 2009 and since then, new areas of land have been developed within the City of Belleville (and in the Town of Picton). Certain activities in these areas have the potential for contaminant spills or runoff that could impact the water sources. Features like drainage ditches in these newly developed areas now make it possible for pollution to travel quickly to the Bay of Quinte where the intake pipe for the public water supply is located. For these reasons, the map of the intake protection zone surrounding the municipal intake was updated to add in the newly developed areas. This map is enclosed.

Figure 13: Sample Public Consultation Letter

The incorporation of the proposed new map as part of the Assessment Report and Source Protection Plan means that certain policies in the Source Protection Plan will apply in the areas added to the map. Persons in these newly included areas, who are engaged in activities identified as significant threats to the drinking water source, will be affected. The identification of a significant threat activity(s) does not necessarily mean that the water source has already been impacted but that the *potential* exists to contaminate the water source.

Under the *Clean Water Act, 2006* significant threat activities, both existing and potential, must be identified in the Assessment Report. The proposed amendments do not include any changes to the policies in the Source Protection Plan. The proposed amendments are simply to update the maps in both documents. The proposed map shows additional areas where certain Source Protection Plan policies will apply in the City of Belleville.

Please be assured that, as per the *Municipal Freedom of Information and Protection of Privacy Act*, there is no personal identifying information in the Assessment Report or Source Protection Plan.

What type of activities could be affected?

The types of activities, when carried out in the updated areas identified on the proposed Belleville Intake Protection Zone map that may be affected are:

- Application of non-agricultural pesticides to an area greater than one hectare
- Typically, agricultural policies apply within this type of vulnerable area however; no existing agricultural operations were identified in this part of Belleville. Those agricultural activities are: application, handling and storage of: nutrients (manure and bio-solids), pesticides and fertilizers; livestock grazing and pasturing; and outdoor confinement.

Significant threat activity does not and will not occur on every property in the area outlined in yellow on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal water source. If you are engaged in one of these activities, on the subject property identified in the first paragraph, a member of our source protection staff will be in touch with you.

Managing drinking water threats

Education and outreach will be provided to those persons engaged in significant threat activities. A Risk Management Plan may also be required for some activities that are a significant threat.

A risk management plan is a site specific document. It is negotiated by the person engaged in the activity and an accredited risk management official. The intent is that the risk management plan be voluntarily negotiated wherever possible. This means there is opportunity for discussion, flexibility and agreement as to how a significant drinking water threat will be regulated on a property in order to reduce the potential impact on drinking water sources. The risk management plan includes and

Figure 13: Sample Public Consultation Letter (cont'd)

accounts for any risk management measures that may already be in place. Risk management plans vary in complexity depending on the circumstances on each property. Many are simple and straightforward.

Quinte Conservation provides the risk management services for The City of Belleville and has several accredited risk management officials on staff.

How to provide your comments

The proposed amendments have been presented to municipal council and are now available for review at QuinteSourceWater.ca. Paper copies are also available for review at City Hall Belleville, 2nd floor, 169 Front St, Belleville, ON or at Quinte Conservation 2061 Old Highway 2, Belleville.

Your written comments on the proposed updates are invited on or before December 23, 2016. You may provide comments:

- online: at QuinteSourceWater.ca
- mail: Quinte Region Source Protection Authority, c/o Amy Dickens, Project Coordinator, Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville ON K8N 4Z2
- email: adickens@quinteconservation.ca
- fax: 613-968-8240

In Conclusion

Quinte Conservation encourages you to ask questions, offer comments, and provide your input during this consultation period. More information is available at QuinteSourceWater.ca.

If you have questions, about how these updates may affect you or activities on your property, please do not hesitate to contact the undersigned at 613-968-3434 or 613-354-3312 ext 132 or via e-mail at adickens@quinteconservation.ca.

Your participation in this public consultation process is appreciated.

Yours truly



Amy Dickens
Source Water Protection Project Coordinator
Quinte Conservation

Enclosures: Map, Notice

Figure 13: Sample Public Consultation Letter (cont'd)

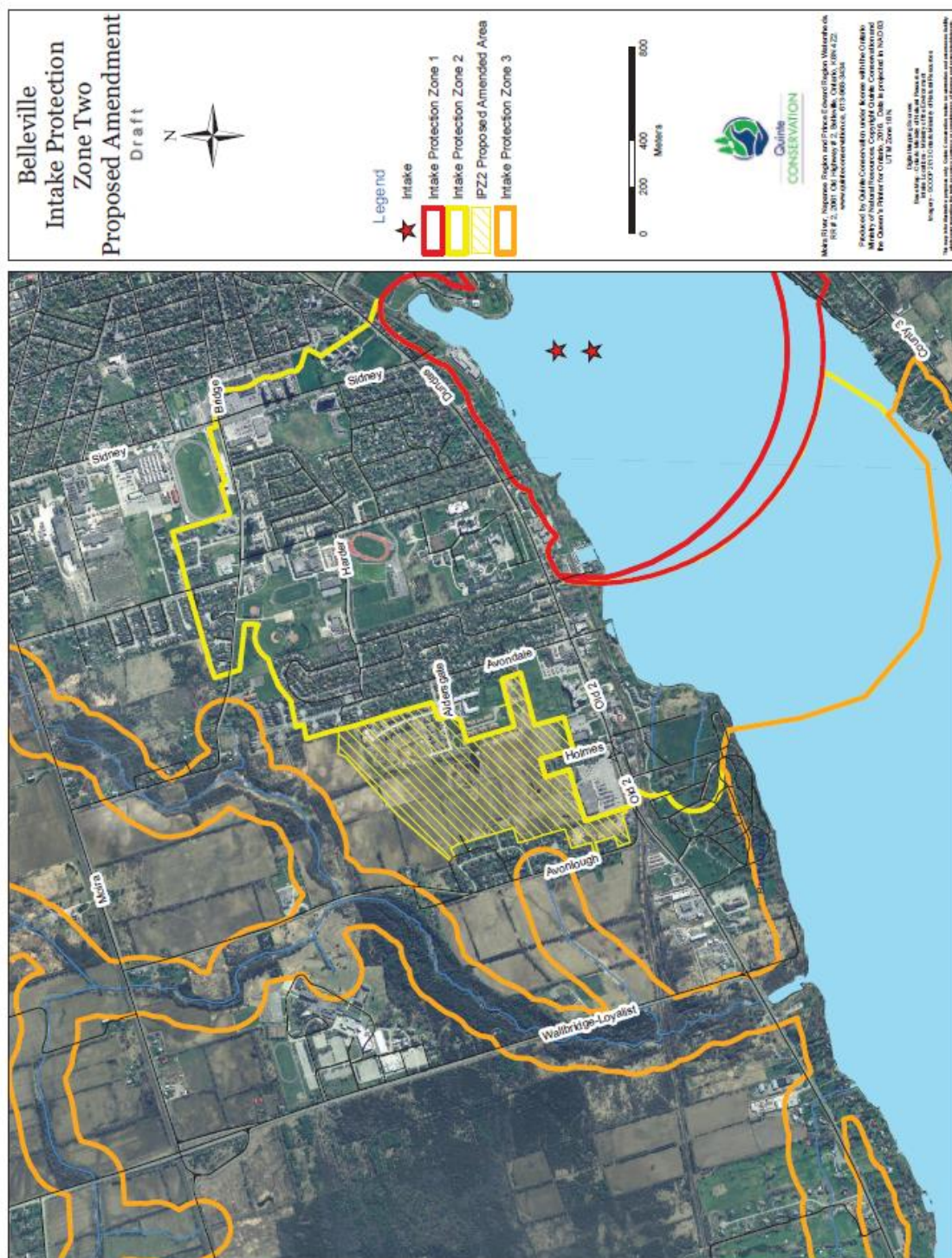



Figure 13: Sample Public Consultation Letter (cont'd)



NOTICE OF PUBLIC CONSULTATION

Comment is invited on proposed amendments to the Quinte Region Assessment Report and Source Protection Plan related to proposed updates to the vulnerable area maps for the City of Belleville and Town of Picton municipal water sources.

The Assessment Report identifies threats to municipal drinking water sources. The Source Protection Plan sets out policies to address those threats. Both documents contain maps that identify the vulnerable areas around municipal water sources. It is proposed to update these maps for the City of Belleville and the Town of Picton to include recently developed areas that could impact the water sources. Certain Source Protection Plan policies would then apply in the areas added to the maps. If you live, work or own property within the proposed added areas then the proposed amendments may affect you.

See the proposed maps and amendments at QuinteSourceWater.ca or during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- City Hall Belleville, 2nd floor, 169 Front St, Belleville, ON K8N 2Y8
- Shire Hall Picton, Clerk's Office, 3rd floor, 332 Main St, Picton, ON K0K 2T0

Please submit comments in writing by Friday, December 23, 2016 to:

Amy Dickens, Project Coordinator,
Quinte Conservation, 2061 Old Highway 2, R. R. #2, Belleville, K8N 4Z2
fax: 613-968-8240
email: adickens@quinteconservation.ca
or comment on-line at QuinteSourceWater.ca
enquiries: 613-968-3434 ext. 132

QuinteSourceWater.ca

Figure 13: Sample Public Consultation Letter (cont'd)

**DRINKING WATER
SOURCE PROTECTION**
ACT FOR CLEAN WATER

**Quinte
CONSERVATION**

NOTICE OF PUBLIC CONSULTATION

Comment is invited on proposed amendments to the Quinte Region Assessment Report and Source Protection Plan related to proposed updates to the vulnerable area maps for the City of Belleville and Town of Picton municipal water sources.

The Assessment Report identifies threats to municipal drinking water sources. The Source Protection Plan sets out policies to address those threats. Both documents contain maps that identify the vulnerable areas around municipal water sources. It is proposed to update these maps for the City of Belleville and the Town of Picton to include recently developed areas that could impact the water sources. Certain Source Protection Plan policies would then apply in the areas added to the maps. If you live, work or own property within the proposed added areas then the proposed amendments may affect you.

See the proposed maps and amendments at QuinteSourceWater.ca or during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- City Hall Belleville, 2nd floor, 169 Front St, Belleville, ON K8N 2Y8
- Shire Hall Picton, Clerk's Office, 3rd floor, 332 Main St, Picton, ON K0K 2T0

Please submit comments in writing by Friday, December 23, 2016 to:

Amy Dickens, Project Coordinator,
Quinte Conservation, 2061 Old Highway 2, R. R. #2, Belleville, K8N 4Z2
fax: 613-968-8240
email: adickens@quinteconservation.ca
or comment on-line at QuinteSourceWater.ca
enquiries: 613-968-3434 ext. 132

QuinteSourceWater.ca

Figure 14: Example of Newspaper Advertisement



Source Protection Programs Branch,
Drinking Water Management Division
40 St.Clair Ave. W, 14th Floor
Toronto, ON M4V 1L5

July 13, 2017

Re: City of Belleville and Town of Picton drinking water systems: Second invitation to provide comments on proposed changes to the Approved Assessment Report and the Approved Source Protection Plan as per the Clean Water Act

Your written comments are once again invited on proposed amendments to the Quinte Region's Assessment Report and Source Protection Plan, developed under Ontario's Clean Water Act. See the enclosed notice. The proposed amendments do not change any of the policies you implement; rather the amendments change the area within the intake protection zone 2.

Proposed Changes to Belleville and Picton Maps Means Amendments Required

The Quinte Region Source Protection Plan contains policies designed to protect public drinking water sources. The Quinte Region Assessment Report identifies the vulnerable areas surrounding the drinking water sources and lists the type and number of drinking water threats. Both documents contain maps.

Maps in the Assessment Report and Source Protection Plan were originally created in 2009 and since then, new areas of land have been developed within the City of Belleville and in the Town of Picton. Certain activities in these areas have the potential for contaminant spills or runoff that could impact the water sources. Features like drainage ditches in these newly developed areas now make it possible for pollution to travel quickly to the Bay of Quinte where the intake pipe for the public water supply is located. For these reasons, the maps of the intake protection zones surrounding the municipal intakes were updated to add in the newly developed areas. These maps are enclosed.

Figure 15: Sample Letter of Notice of Consultation Period for Implementing Bodies

The incorporation of the proposed new map as part of the Assessment Report and Source Protection Plan means that certain policies in the Source Protection Plan will apply in the areas added to the map. Persons in these newly included areas, who are engaged in activities identified as significant threats to the drinking water source, will be affected. The identification of a significant threat activity(s) does not necessarily mean that the water source has already been impacted but that the *potential* exists to contaminate the water source.

Under the *Clean Water Act, 2006* significant threat activities, both existing and potential, must be identified in the Assessment Report. The proposed amendments do not include any changes to the policies in the Source Protection Plan. The proposed amendments are simply to update the maps in both documents. The proposed map shows additional areas where certain Source Protection Plan policies will apply in the City of Belleville and Town of Picton.

Please be assured that, as per the *Municipal Freedom of Information and Protection of Privacy Act*, there is no personal identifying information in the Assessment Report or Source Protection Plan.

What type of activities could be affected?

The types of activities, when carried out in the updated areas identified on the proposed Belleville Intake Protection Zone map that may be affected are:

- Application of non-agricultural pesticides to an area greater than one hectare
- Typically, agricultural policies apply within this type of vulnerable area however; no existing agricultural operations were identified in this part of Belleville. Those agricultural activities are: application, handling and storage of: nutrients (manure and bio-solids), pesticides and fertilizers; livestock grazing and pasturing; and outdoor confinement.

The types of activities, when carried out in the updated areas identified on the proposed Picton Intake Protection Zone map that may be affected are:

- Application of non-agricultural pesticides to an area greater than one hectare
- Handling and storage of non-agricultural pesticides
- Application of non-agricultural commercial fertilizers to non-residential properties
- Waste disposal site (e.g. storage of waste oil and PCBs)
- Some agricultural activities including: application, handling and storage of: nutrients (manure and bio-solids), pesticides and fertilizers; livestock grazing and pasturing; and outdoor confinement.

Significant threat activity does not and will not occur on every property in the area outlined in yellow on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal drinking water source.

Figure 15: Sample Letter of Notice of Consultation Period for Implementing Bodies (cont'd)

How to provide your comments

The proposed amendments have been endorsed by both municipal councils and are now attached for you to review. As the technical chapters in the Assessment Report are quite large, just the sections applicable to the proposed amendments are included in the technical work. Should you wish to see the complete sections, please contact me and I will send them separately.

Your written comments on the proposed updates are invited on or before **August 4, 2017**. You may provide comments:

- mail: Quinte Region Source Protection Authority, c/o Amy Dickens, Project Coordinator, Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville ON K8N 4Z2
- email: adickens@quinteconservation.ca
- fax: 613-968-8240

In Conclusion

Quinte Conservation encourages you to ask questions, offer comments, and provide your input during this consultation period. More information is available at QuinteSourceWater.ca.

If you have questions, about how these updates may affect your implementation, please do not hesitate to contact the undersigned at 613-968-3434 or 613-354-3312 ext 132 or via e-mail at adickens@quinteconservation.ca.

Your participation in this consultation process is appreciated.

Yours truly,



Amy Dickens
Source Water Protection Project Coordinator
Quinte Conservation

Enclosures: Maps, Technical Work

Figure 15: Sample Letter of Notice of Consultation Period for Implementing Bodies (cont'd)

In response to the requirement of a new well system and subsequent technical work in the Village of Madoc, and after discussions with the Ministry of the Environment, Conservation and Parks the Quinte Region Source Protection Authority decided to combine the amendments for Belleville, Picton, and Madoc in to one single submission in 2019.

To ensure that all property owners in the proposed amended areas were consulted with, especially those who may have moved into the amended areas after the public consultation period, source protection authority staff compared the original contact list with current property owners. Any properties with new owner names or new business names were highlighted and notified of an additional consultation period. Public consultation documents were published on the quintesourcewater.ca website concurrently with the Madoc public consultation period, allowing property owners' adequate time to review the materials and comment, should they wish. Source protection authority staff went door-to-door to all properties where contact information had changed and where there was an existing significant threat activity occurring on the landscape. All properties contacted were aware of the original public consultation period: it was determined the business had either changed their contact person, or had been sold to existing staff, resulting in a change of the business name. No additional comments were received.

9.2 Consultation on a New Well System in Village of Madoc

Due to water supply challenges with its existing municipal wells, the Village of Madoc in the Municipality of Centre Hastings required an additional water source. A new production well approximately 350 metres west of the existing Whytock well was therefore drilled, and a new water treatment building adjacent to the new well was constructed. As part of this process, the Wellhead Protection Area for the Source Water Protection Program required an update, due to the change in well location. The Wellhead Protection Area (WHPA) was mapped around new well system, illustrating where and to what degree the groundwater is vulnerable to contamination. The original water taking model and report were updated. This update resulted in a slight shift to the previous Wellhead Protection Areas.

Starting July 1, 2018, a new regulation under the *Safe Drinking Water Act* and an amendment to Regulation 287/07 under the *Clean Water Act* require that all Source Water Protection technical work and report amendments be completed and approved by the Ministry of Environment and Conservation and Parks prior to the new system providing water to the residents in Madoc Village.

Amendments to the Quinte Region Source Protection Plan and the associated reports were therefore required before the new well system is brought online.

These amendments included updates to the text in chapter 5 of the assessment report, and updates to all corresponding maps related to the Village of Madoc's WHPA. Similarly, maps were updated in the source protection plan to reflect the new WHPA.

No new policies were added and no changes were proposed to the policies, however, the policies now apply in new geographic area (the new WHPAs). The source protection plan was updated to include new information about policy effective dates in the newly affected areas as the existing policies were simply extended to the new wellhead protection areas. Therefore, once the amendments were approved by the Ministry of the Environment, Conservation and Parks (MECP), the effective dates outlined on the policies commenced from the date the updated source protection plan took effect, as specified by the Minister.

Steps taken to consult on the proposed updates to the Assessment Report include:

- a) Early engagement with municipal staff and municipal consultants occurred in June and July of 2018.
- b) On July 11, 2018 and September 5, 2018, respectively, municipal councils of the Municipality of Centre Hastings and Madoc Township passed resolutions approving the proposed amendments.
- c) Early engagement with the Ministry of the Environment, Conservation and Parks was conducted February 2019. Early engagement allowed the MECP to provide early feedback on draft technical and policy work, prior to pre-consultation.
- d) Pre-consultation commenced April 22 2019, with all implementing bodies receiving an amendment notice and pertinent information related to the update. All agencies responsible for implementing policies within the source protection plan were provided with pre-consultation notice letters (Figure 16), updated reports and maps, and comments were requested by May 13, 2019.
- e) Letters were sent to all landowners in the new vulnerable areas and all implementing bodies on June 03, 2019, advising of the opportunity to comment, providing information about the amendments and enclosing the Notice (Figure 17: Sample Letter). The 35 day public consultation began June 6, 2019. Written comments were requested by July 11, 2019.
- f) Paper copies of the proposed updates were made available for public review during business hours at Quinte Conservation and at the municipal

-
- offices of The Municipality of Centre Hastings and Madoc Township from June 3, 2019 to July 11, 2019.
- g) A notice (Figure 18) and the proposed updates to Assessment Report and Source Protection Plan were published on the Internet at QuinteSourceWater.ca on June 6, 2019 in accordance with the Clean Water Act, 2006 and Ontario Regulation 288/07. Proposed maps and proposed supporting document amendments were also published on the Internet.
 - h) Advertisements were purchased and appeared in the Community Press on June 6, 2019 and June 20, 2019 and in the Tweed News on June 4, 2019 and June 18, 2019 (Figure 19: Example of newspaper advertisement).

More information on this concurrent public consultation is available in the Source Protection Plan and the Explanatory Document.



Source Protection Plan Amendment to Add New Municipal Well

Official Pre-Consultation Notice under Ontario Regulation 287/07

April 23, 2019

Dear XXX,

Proposed updates to the vulnerable areas surrounding the drinking water source for the Town of Madoc in the Municipality of Centre Hastings have triggered the need to amend the Quinte Region Source Protection Plan and its supporting documents. Therefore the Quinte Region Source Protection Authority is proposing an amendment to the Quinte Region Source Protection Plan under S.34 of the *Clean Water Act, 2006*.

You are receiving this notice because your organization is responsible for implementing policies in the approved Quinte Region Source Protection Plan. Implementing bodies are invited to provide comments on the proposed changes until **Monday, May 13th, 2019**.

WHY ARE CHANGES PROPOSED?

The Village of Madoc is experiencing water supply challenges with its existing municipal wells and requires an additional water source. The solution includes a new production well approximately 350 metres west of the existing Whytock well, the construction of a new water treatment building adjacent to the new well, and the decommissioning of the existing Whytock well.

As part of this process, the Wellhead Protection Area for the Source Water Protection Program must be updated, due to the change in well location. This new well system now has a mapped Wellhead Protection Area (WHPA) which illustrates where and to what degree the groundwater is vulnerable to contamination. The original water taking model and report has been updated. This has resulted in a slight shift to the current Wellhead Protection Areas.

Starting July 1, 2018, a new regulation under the *Safe Drinking Water Act* and an amendment to Regulation 287/07 under the *Clean Water Act* require that all Source Water Protection technical work and report amendments be completed and approved by the Ministry of Environment and Conservation and Parks prior to the new system providing water to the residents in Madoc Village. An amendment to the Quinte Region Source Protection is required before the new well system is brought online.

PURPOSE AND RATIONALE OF AMENDMENT

An amendment to the Quinte Region Source Protection Plan, developed under Ontario's *Clean Water Act*, is needed so that the policies to protect drinking water sources set out in the Plan can apply within these new WHPAs. This will afford the same level of protection for these new drinking water sources as currently exists for all other municipal drinking water sources in the Quinte Source Protection Region.

Page 1 of 24

Figure 16: Sample Pre-consultation Letter for Implementing Bodies

The amendment will include updated mapping of the affected vulnerable areas and updated effective dates in the Source Protection Plan as well as updates to Section 5.7, Village of Madoc Groundwater Supply, in Chapter 5 of the Quinte Region Assessment Report with mapping and technical information.

PURPOSE OF THIS NOTICE

This notice is required under Ontario Regulation 287/07 because your agency is responsible for implementing some policies in the Quinte Region Source Protection Plan. As an implementing body, this notice provides a pre-consultation comment opportunity for your agency, prior to broader public consultation.

It is important to note that no new policies will be added and no changes are proposed to the existing policies, however, the policies will now apply in new geographic area (the new WHPAs) and implementing bodies will be responsible for implementing in the new areas. The source protection plan has been updated to include new information about policy effective dates in newly affected areas. The policies outlined in Appendix 2 were approved by the Minister and have simply been extended to new areas within the region. Therefore, the effective dates outlined on the policy will be from the approval date of this proposed amendment. For full policy text, please see the approved Quinte Region Source Protection Plan available at <http://www.quintesourcewater.ca>

WHAT IS INCLUDED IN THIS DOCUMENT

Enclosed you will find:

- A map of the proposed WHPA changes (Appendix 1)
- A list of policies your agency is responsible for implementing (this is the same as the policies that the agency is already implementing in the original WHPA for the Village of Madoc and other WHPAs throughout the region that can be found in the Quinte Region Source Protection Plan) (Appendix 2)
- A list of policies that will apply within the WHPA (this is the same as the policies that already apply to all other WHPAs in the Quinte Region) (Appendix 2)
- A summary of anticipated significant drinking water threats (Appendix 3)
- Section 5.7 of Chapter 5 from the Quinte Region Assessment Report (Appendix 4)

WHAT IS AVAILABLE UPON REQUEST

In order to make these packages small enough to email the following were not included in this package but are available upon request:

- Chapter 5 of the Assessment Report in its entirety
- Maps of Managed Lands, Livestock Density, and Impervious Surface Area
- Appendix G of the Assessment Report – this appendix outlines the consultation process of this consultation period.
- The proposed updates of the map of the Madoc WHPA included in the Source Protection Plan
- Chapter 6 of the Source Protection Plan – this chapter is similar to appendix G but outlines the consultation process for the source protection plan.
- The Explanatory Document that accompanies the Source Protection Plan. It explains how and why Source Protection Plan was developed.

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

HOW TO COMMENT

Quinte Conservation is seeking comments on the proposed amendments, particularly from those who implement policies in the affected areas in the Village of Madoc.

Please submit comments in writing by **Monday, May 13th, 2019**.

Thank you for your input: we look forward to engaging with you on this matter.

Sincerely,



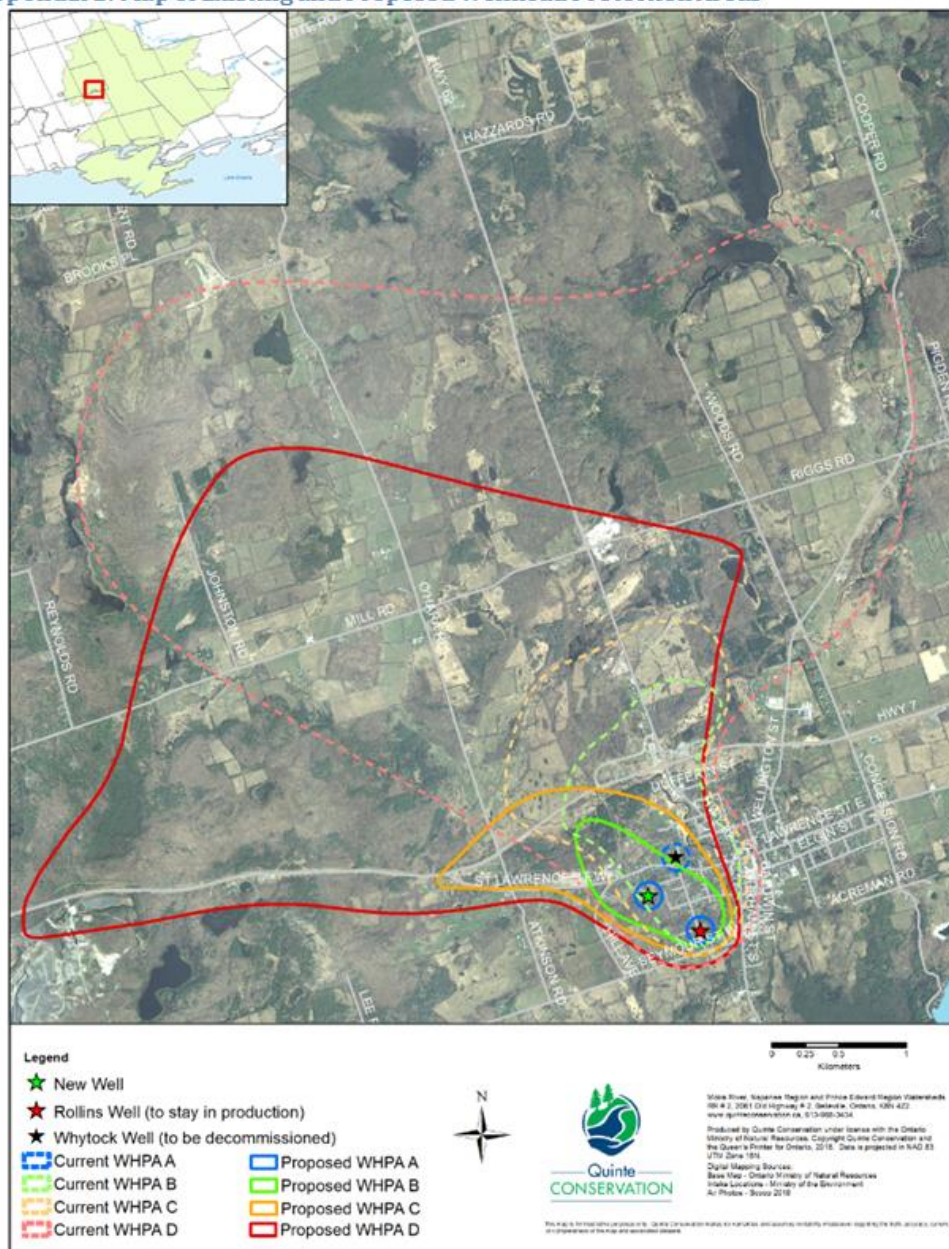
Amy Dickens, Project Coordinator

adickens@quinteconservation.ca

(613) 968-3434 ext. 132

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

Appendix 1: Map of Existing and Proposed Wellhead Protection Areas



Page 4 of 24

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

Appendix 2: Policy Information

Implementing Body	Compliance Date for Legally Binding Policies/Target Date for Non-Legally Binding Policies				Monitoring Policies
	Immediate Upon Approval	1 Year After Approval	2 Years After Approval	3 Years After Approval	
Ministry of Agriculture, Food and Rural Affairs	3-4-F		3-4-E		3-4-E&F
Ministry of the Environment Conservation and Parks	G-6-F 1-1-F 1-6-E&F 2-4-F 2-6-F 5-1-F 15-6-E	G-2-F	G-9-F	G-4-E 1-2-E 1-4-E 2-4-E 2-5-E	G-4-E G-2-F G-6-F G-9-F 1-1-F 1-2-E 1-4-E 1-6-E&F 2-4-E&F 2-5-E 2-6-F 5-1-F 15-6-E
Ministry of Natural Resources and Forestry	5-1-F	n/a	n/a	n/a	5-1-F
Ministry of Transportation		12-2-E&F	G-8-E&F	n/a	G-8-E&F 12-2-E&F
Technical Standards and Safety Authority	15-6-E	n/a	n/a	n/a	15-6-E
Ministry of Consumer Services	15-6-E	n/a	n/a	n/a	15-6-E

Policy Codes Summarized by Vulnerable Area and Policy Intent (all policies)

Vulnerable Area and Vulnerability Score	Policy Code		
	Prohibit	Manage	Encourage
WHPAA Vulnerability Score 10	1-1-F	G-1	G-2-F
	1-3-F	1-2-E	G-3-E&F
	2-3-F	1-7-E&F	G-4-E
	2-8-F	1-8-E&F	G-5-F
	3-1-E&F	2-1-E&F	G-7-E&F
	8-1-E&F	2-2-E	G-8-E&F
	9-1-F	2-4-E&F	G-9-F
	10-1-E&F	2-5-E	1-6-E&F
	11-1-E&F	2-6-F	12-1-E&F
	13-1-E&F	2-7-E	12-2-E&F
	15-1-F	3-3-E&F	15-2-E&F
	16-1-E&F	3-4-E&F	15-6-E
	17-1-F	8-3-E&F	
		9-2-E&F	
		9-3-E&F	
		10-3-E&F	
		11-3-E&F	
		13-2-E&F	
		14-1-E&F	

Page 5 of 24

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

		14-2-E&F	
		15-3-E	
		15-4-E	
		15-5-E&F	
		16-3-E&F	
		17-2-E&F	
		17-3-E&F	
		18-1-F	
WHPA B Vulnerability Score 10	1-1-F	G-1	G-2-F
	1-3-F	1-2-E	G-3-E&F
	2-3-F	1-7-E&F	G-4-E
	2-8-F	1-8-E&F	G-5-F
	13-1-E&F	2-1-E&F	G-6-F
	15-1-F	2-2-E	G-7-E&F
	17-1-F	2-4-E&F	G-8-E&F
		2-5-E	G-9-F
		2-6-F	1-6-E&F
		2-7-E	12-1-E&F
		3-2-E&F	12-2-E&F
		3-3-E&F	15-6-E
		3-4-E&F	
		8-2-E&F	
		8-3-E&F	
		9-2-E&F	
		9-3-E&F	
		10-2-E&F	
		10-3-E&F	
		11-2-E&F	
		11-3-E&F	
		13-2-E&F	
		14-1-E&F	
		14-2-E&F	
		15-3-E	
		15-5-E&F	
		16-2-E&F	
		16-3-E&F	
		17-2-E&F	
		17-3-E&F	
		18-1-F	
WHPA C Vulnerability Score 8	1-1-F	G-1	G-2-F
	1-3-F	1-2-E	G-3-E&F
		2-5-E	G-4-E
		2-6-F	G-5-F
		16-2-E&F	G-6-F
		16-3-E&F	G-7-E&F
			G-9-F

Page 6 of 24

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

			1-6-E&F
			12-1-E&F
			12-2-E&F
WHPA D Vulnerability Score 6			G-1
			G-2-F
			G-3-E&F
			G-5-F
			G-6-F
			G-7-E&F
			1-6-E&F
			12-1-E&F
WHPA E Vulnerability Score 8.1	2-8-F	G-1	12-2-E&F
		2-6-F	G-2-F
		3-2-E&F	G-3-E&F
		3-3-E&F	G-7-E&F
		3-4-E&F	G-8-E&F
		10-2-E&F	G-9-F
		10-3-E&F	1-6-E&F
			5-1-F
Issues Contributing Area	2-8-F	G-1	G-2-F
		2-1-E&F	G-3-E&F
		2-2-E	
		2-4-E&F	
		2-7-E	
		3-2-E&F	
		3-3-E&F	
		3-4-E&F	

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

Appendix 3: Preliminary Assessment of Anticipated Significant Threats

Technical work to confirm significant threat information is on-going, however, the following information is known at this time:

- The vulnerability scores of each Wellhead Protection Areas will not change from the current scores. The new well was drilled into the same aquifer that was intercepted by the two existing wells. Because of change to the location of the new well, flow rate and reduction in water use, the new Wellhead Protection Area is smaller and shifted to the northwest.
- There are three scenarios broken out below. These include 1) the number of parcels being removed as a result in the changes to the Wellhead Protection Areas, 2) the number of properties that were previously outside the Wellhead Protection Areas and will now be included in a Wellhead Protection Area as a result of the proposed changes, and 3) the number of parcels that are located within an existing Wellhead Protection Area but as a result of the proposed changes to the Wellhead Protection Areas, will now fall within a different Wellhead Protection Area with an increased vulnerability:
 - 1) **Threat Removal** – The proposed changes mean that 47 properties with existing significant threats will be removed from the Wellhead Protection Area. The landowners of the properties will be notified that they are no longer in a vulnerable area once the Whytock well is decommissioned.
 - 2) **Properties New to Vulnerable Areas** – 36 new parcels will be included in the vulnerable areas. Of these, 32 parcels are within the WHPA D and 4 are within the WHPA C.
 - 3) **Properties with Increased Vulnerability**
 - 7 parcels in the existing WHPA C (with a vulnerability score of 8) will be elevated to the WHPA B, with a vulnerability score of 10.
 - 6 parcels in the existing WHPA D with a vulnerability score of 6 will be elevated to the Wellhead Protection Area B with a vulnerability score of 10.
 - Of these 13 parcels, 10 parcels in the newly included areas, who are engaged in activities identified as significant threats to the drinking water sources, may be affected. Possible threats include: 1) onsite sewage systems, 2) storage of residential fuel (heating) oil, 3) Storage of commercial fertilizer, 4) storage of pesticide, and 5) sanitary sewer and related pipes.
 - Landowners in these areas have been contacted, provided with information, and notified several times through the Class Environmental Assessment Study and have been informed that an additional public consultation period will occur for the source protection program as well. These landowners were also contacted during the numerous initial public consultation periods.
- Significant threat activities do not and will not occur on every property in the area outlined on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal water source.
- Percent managed lands saw the following reductions:
 - Decrease in the WHPA A from 30.6% to 0%
 - Decrease in the WHPA B from 19.3% to 13.2%
 - Decrease in the WHPA C from 89.6% to 19.2%
 - Decrease in the WHPA D from 40% to 19.7%

Page 8 of 24⁺

Figure 16: Sample Pre-consultation Letter for Implementing Bodies (cont'd)

⁺Pages 9-24 show proposed changes to Chapter 5 of the Assessment Report



Source Protection Plan Amendment to Add New Municipal Well

Official Public-Consultation Notice under Ontario Regulation 287/07

June 4, 2019

Dear LANDOWNER,

Proposed updates to the vulnerable areas surrounding the drinking water source for the Town of Madoc in the Municipality of Centre Hastings have triggered the need to amend the Quinte Region Source Protection Plan and its supporting documents. Therefore the Quinte Region Source Protection Authority is proposing an amendment to the Quinte Region Source Protection Plan under S.34 of the *Clean Water Act, 2006*.

You are receiving this notice because the proposed amendments could affect certain activities on your property at INSERT ADDRESS HERE. You are invited to provide comments on the proposed changes until **Thursday, July 11th, 2019**.

WHY ARE CHANGES PROPOSED?

The Village of Madoc is experiencing water supply challenges with its existing municipal wells and requires an additional water source. The solution includes a new production well approximately 350 metres west of the existing Whytock well, the construction of a new water treatment building adjacent to the new well, and the decommissioning of the existing Whytock well.

As part of this process, the Wellhead Protection Area for the Source Water Protection Program must be updated, due to the change in well location. This new well system now has a mapped Wellhead Protection Area (WHPA) which illustrates where and to what degree the groundwater is vulnerable to contamination. The original water taking model and report has been updated. This has resulted in a slight shift to the current Wellhead Protection Areas.

Starting July 1, 2018, a new regulation under the *Safe Drinking Water Act* and an amendment to Regulation 287/07 under the *Clean Water Act* require that all Source Water Protection technical work and report amendments be completed and approved by the Ministry of Environment and Conservation and Parks prior to the new system providing water to the residents in Madoc Village. An amendment to the Quinte Region Source Protection is required before the new well system is brought online.

PURPOSE AND RATIONALE OF AMENDMENT

An amendment to the Quinte Region Source Protection Plan, developed under Ontario's *Clean Water Act*, is needed so that the policies to protect drinking water sources set out in the Plan can apply within these new WHPAs. This will afford the same level of protection for these new drinking water sources as currently exists for all other municipal drinking water sources in the Quinte Source Protection Region.

Page 1 of 3

Figure 17: Sample Public Consultation Letter

The amendment will include updated mapping of the affected vulnerable areas and updated effective dates in the Source Protection Plan as well as updates to Section 5.7, Village of Madoc Groundwater Supply, in Chapter 5 of the Quinte Region Assessment Report with mapping and technical information.

PURPOSE OF THIS NOTICE

This notice is required under Ontario Regulation 287/07 because your property falls within the proposed wellhead protection areas for the Village of Madoc. The incorporation of the proposed new map as part of the Assessment Report and Source Protection Plan means that certain policies in the Source Protection Plan will apply in the areas added to the map. Persons in these newly included areas, who are engaged in activities identified as significant threats to the drinking water source, will be affected. The identification of a significant threat activity(s) does not necessarily mean that the water source has already been impacted but that the potential exists to contaminate the water source. This notice provides a public consultation comment opportunity prior to final submission to the Ministry of the Environment, Conservation and Parks.

It is important to note that no new policies will be added and no changes are proposed to the existing policies, however, the policies will now apply in the new geographic area (the new WHPAs) and implementing bodies will be responsible for implementing policies in the new areas. The policies included in the Quinte Region Source Protection Plan were approved by the Minister and have simply been extended to new areas within the region. The source protection plan has been updated to include new information about policy effective dates in newly affected areas. Therefore, the effective dates outlined on the policy will be from the approval date of this proposed amendment. For full policy text, please see the approved Quinte Region Source Protection Plan available at <http://www.quintesourcewater.ca>

Please be assured that, as per the *Municipal Freedom of Information and Protection of Privacy Act*, there is no personal identifying information in the Assessment Report or Source Protection Plan.

WHAT TYPE OF ACTIVITIES COULD BE AFFECTED?

The types of activities, when carried out in the updated areas identified on the proposed Madoc Wellhead Protection Area map that may be affected are:

- The handling and storage of fuel (tanks larger than 250 litres capacity)
- Handling and storage of non-agricultural pesticides
- Application of non-agricultural commercial fertilizers to non-residential properties
- Waste disposal site (e.g. storage of waste oil and PCBs)
- Some agricultural activities including: application, handling and storage of: nutrients (manure and bio-solids), pesticides and fertilizers; livestock grazing and pasturing and outdoor confinement
- The handling and storage of organic solvents
- PCB waste storage

Figure 17: Sample Public Consultation Letter (cont'd)

- The handling and storage of waste oil
- The storage of snow (where the storage area is larger than 0.01 hectares)
- The commercial use of dense non-aqueous phase liquids.

Significant threat activity does not and will not occur on every property in the area proposed on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal drinking water source.

HOW TO COMMENT

The proposed amendments have been endorsed by both Township of Madoc and Municipality of Centre Hastings municipal councils and are now available for review at QuinteSourceWater.ca. Paper copies are also available for review at Centre Hastings Municipal Office, 7 Furnace Street, Madoc, Township of Madoc Municipal Office, 15651 Highway 62, Madoc, or at Quinte Conservation 2061 Old Highway 2, Belleville.

Your written comments on the proposed updates are invited on or before **Thursday July 11, 2019**. You may provide comments:

- **online:** at QuinteSourceWater.ca
- **mail:** Quinte Region Source Protection Authority, c/o Amy Dickens, Project Coordinator, Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville ON K8N 4Z2
- **email:** adickens@quinteconservation.ca
- **fax:** 613-968-8240

IN CONCLUSION

Quinte Conservation encourages you to ask questions, offer comments, and provide your input during this consultation period. More information is available at QuinteSourceWater.ca.

If you have questions, about how these updates may affect you or activities on your property, please do not hesitate to contact the undersigned at 613-968-3434 or 613-354-3312 ~~ext~~ 132 or via e-mail at adickens@quinteconservation.ca.

Your participation in this public consultation process is appreciated.

Yours truly,



Amy Dickens, Project Coordinator
adickens@quinteconservation.ca
(613) 968-3434 ~~ext~~ 132

Enclosures: Map, Notice

Figure 17: Sample Public Consultation Letter (cont'd)



Figure 17: Sample Public Consultation Letter (cont'd)



June 4, 2019

PUBLIC NOTICE

Source Protection Plan Amendment to Add New Municipal Well

Official Public-Consultation Notice under Ontario Regulation 287/07

Comment on proposed amendments to the Quinte Region Source Protection Plan and Assessment Report prepared under the *Clean Water Act*, 2006

Quinte Conservation (Source Protection Authority) invites the public to review and comment on proposed updates and amendments to the above noted documents. Proposed updates to the vulnerable areas surrounding the drinking water source for the Village of Madoc in the Municipality of Centre Hastings have triggered the need to amend the Quinte Region Source Protection Plan and its supporting documents. Therefore the Quinte Region Source Protection Authority is proposing an amendment to the Quinte Region Source Protection Plan under S.34 of the *Clean Water Act*, 2006.

See the proposed changes to the wellhead protection area mapping for the Village of Madoc. See which policies in the Approved Source Protection Plan would apply in the newly added areas:

- **Online** - at QuinteSourceWater.ca
- **Paper Copy** - review a paper copy of the documents during office hours at:
 - Quinte Conservation, 2061 Old Highway 2, Belleville
 - Centre Hastings Municipal Office, 7 Furnace Street, Madoc
 - Township of Madoc Municipal Office, 15651 Highway 62, Madoc

The public is invited to submit written comments by July 11, 2019 to:

Quinte Conservation
2061 Old Highway 2, R. R. #2, Belleville ON K8N 4Z2
fax: 613-968-8240
email: adickens@quinteconservation.ca
or online at QuinteSourceWater.ca

For more information visit QuinteSourceWater.ca or contact:
Amy Dickens, Project Coordinator, Quinte Source Protection Region,
c/o Quinte Conservation, 2061 Old Highway 2, R. R. # 2 Belleville, ON K8N 4Z2
613-968-3434 ext 132 or 613-354-3312 ext 132 or adickens@quinteconservation.ca

Figure 17: Sample Public Consultation Letter (cont'd)



Source Protection Plan Amendment to Add New Municipal Well

Official Public-Consultation Notice under Ontario Regulation 287/07

Proposed updates to the vulnerable areas surrounding the drinking water source for the Town of Madoc, in the Municipality of Centre Hastings have triggered the need to amend the Quinte Region Source Protection Plan and its supporting documents. Therefore the Quinte Region Source Protection Authority is proposing an amendment to the Quinte Region Source Protection Plan and supporting documents under S.34 of the *Clean Water Act, 2006*.

The public is invited to provide comments on the proposed changes until **Thursday, July 11th, 2019**.

WHY ARE CHANGES PROPOSED?

The Village of Madoc is experiencing water supply challenges with its existing municipal wells and requires an additional water source. The solution includes a new production well approximately 350 metres west of the existing Whytock well, the construction of a new water treatment building adjacent to the new well, and the decommissioning of the existing Whytock well.

As part of this process, the Wellhead Protection Area for the Source Water Protection Program must be updated, due to the change in well location. This new well system now has a mapped Wellhead Protection Area (WHPA) which illustrates where and to what degree the groundwater is vulnerable to contamination. The original water taking model and report has been updated. This has resulted in a slight shift to the current Wellhead Protection Areas.

Starting July 1, 2018, a new regulation under the *Safe Drinking Water Act* and an amendment to Regulation 287/07 under the *Clean Water Act* require that all Source Water Protection technical work and report amendments be completed and approved by the Ministry of Environment and Conservation and Parks prior to the new system providing water to the residents in Madoc Village. An amendment to the Quinte Region Source Protection Plan is required before the new well system is brought online.

PURPOSE AND RATIONALE OF AMENDMENT

An amendment to the Quinte Region Source Protection Plan, developed under Ontario's *Clean Water Act*, is needed so that the policies to protect drinking water sources set out in the Plan can apply within these new WHPAs. This will afford the same level of protection for these new drinking water sources as currently exists for all other municipal drinking water sources in the Quinte Source Protection Region.

The amendment will include updated mapping of the affected vulnerable areas and updated effective dates in the Source Protection Plan as well as updates to Section 5.7, *Village of Madoc Groundwater Supply*, in Chapter 5 of the Quinte Region Assessment Report with mapping and technical information.

Page 1 of 3

Figure 18: Notice of Public Consultation

HOW WILL PEOPLE BE AFFECTED?

It is important to note that no new policies will be added and no changes are proposed to the existing policies, however, if the proposed amendments are approved, the policies will now apply in the new geographic areas (the new WHPAs). The source protection plan has been updated to include new information about policy effective dates in newly affected areas. People in the newly included areas, who are engaged in activities identified as potential significant threats to the drinking water sources, may be affected. Those people have been contacted, provided with information, and notified of this opportunity to comment. The policies in the Quinte Region Source Protection Plan were approved by the Minister and have simply been extended to new areas within the region. The source protection plan has been updated to include new information about policy effective dates in the newly affected areas. Therefore, the effective dates outlined on the policy will be from the approval date of this proposed amendment for the newly affected areas. For full policy text, please see the approved Quinte Region Source Protection Plan available at <http://www.quintesourcewater.ca>

Significant threat activities do not and will not occur on every property in the area outlined on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal water source. If you are engaged in one of the above activities, on the subject property identified in the first paragraph, a member of our source protection staff will be in touch with you.

WHAT IS INCLUDED IN THIS DOCUMENT

In addition to the proposed amendment map, the source protection plan, assessment report, and supporting documents also need to be amended to reflect these changes. Enclosed you will find:

- A copy of the public notice
- A map of the proposed amendments to the Wellhead Protection Areas for the Village of Madoc
- Section 5.7 of Chapter 5 of the Assessment Report –Groundwater Municipal Intakes – this section discuss the Madoc system and outlines how and why the zones were delineated. A rationale for the amendment is included
- Maps referred to in Section 5.7 of the Assessment Report
- Appendix G of the Assessment Report – this appendix has been amended to include the consultation process for these amendments
- Appendix I of the Assessment Report – this appendix is a conditions report referred to in Chapter 5
- The map of the Madoc well included in the Source Protection Plan showing the proposed amendments
- The Quinte Region Source Protection Plan
- The Explanatory Document that accompanies the Source Protection Plan. It explains how and why Source Protection Plan was developed and has been amended to include the consultation process for these amendments.

Figure 18: Notice of Public Consultation (cont'd)

SEE THE AMENDED DOCUMENTS

See all the documents at QuinteSourceWater.ca or

See paper copies of the proposed amendments during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- Centre Hastings Municipal Office, 7 Furnace Street, Madoc
- Township of Madoc Municipal Office, 15651 Highway 62, Madoc

HOW TO COMMENT

Quinte Conservation is seeking comments on the proposed amendments, particularly from those who implement policies and from those property owners in the newly affected areas that may be engaging in significant threats in the proposed affected areas in the Village of Madoc.

Please submit comments in writing by **Thursday, July 11th, 2019**.

Online: Online comment form at quintesourcewater.ca


Mail: Amy Dickens, Project Coordinator
Quinte Conservation,
2061 Old Highway 2, R.R. #2,
Belleville ON K8N 4Z2

Fax: 613-968-8240

Email: adickens@quinteconservation.ca

Thank you for your input: we look forward to engaging with you on this matter.

Sincerely,



Amy Dickens, Project Coordinator
adickens@quinteconservation.ca
(613) 968-3434 ext. 132

BACKGROUND

The initiative to protect sources of municipal drinking water is directed and funded by the Ontario Ministry of the Environment and Climate Change under the Clean Water Act, 2006. Policies in the Quinte Region Source Protection Plan were developed by a local 21 member Source Protection Committee. The Plan, approved by Ontario's Minister of the Environment, Conservation and Parks, came into effect in January 2015.

Quinte Conservation provided technical, communications and administrative support during the planning process and continues to provide needed expertise and support to municipalities as the Source Protection Plan is implemented

Figure 18: Notice of Public Consultation (cont'd)

NOTICE OF PUBLIC CONSULTATION

The Village of Madoc is experiencing water supply challenges with its existing municipal wells and requires an additional water source. The solution includes a new production well and water treatment building, and the decommissioning of the existing Whytock well.

As part of this process, the Wellhead Protection Areas (vulnerable areas around municipal water sources) for the Source Water Protection Program must be updated, due to the change in well location, therefore amendments to the Assessment Report and Source Protection Plan are required to incorporate the above changes.

The Assessment Report identifies threats to municipal drinking water sources. The Source Protection Plan sets out policies to address those threats. Both documents contain maps that identify the Wellhead Protection Areas. The amendment for the Source Protection Plan does not include any policy changes but rather, proposes to update these maps for the Village of Madoc to reflect the revised wellhead protection areas. If you live, work, or own property within the proposed areas then the proposed amendments may affect you.

Have your say on the proposed amendments to the Quinte Region Assessment Report and Source Protection Plan that protects vulnerable drinking water sources surrounding the Village of Madoc's Municipal Water Sources.


See the proposed maps and amendments at QuinteSourceWater.ca or during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- Centre Hastings Municipal Office, 7 Furnace Street, Madoc
- Township of Madoc Municipal Office, 15651 Highway 62, Madoc

Please submit comments in writing by Thursday July 11, 2019 to:

Amy Dickens, Project Coordinator
Quinte Conservation, 2061 Old Highway 2, R.R.#2,
Belleville, ON, K8N 4Z2

Email: adickens@quinteconservation.ca
Or comment on-line at QuinteSourceWater.ca



Quinte Region
**DRINKING WATER
SOURCE PROTECTION**
Our Actions Matter

Figure 19: Example of Newspaper Advertisement

All comments received during early engagement with the Ministry of the Environment, Conservation and Parks were addressed through updates to the document.

Three comments were received during pre-consultation with the implementing bodies: One set of comments from each the Ministry of Agriculture, Food and Rural Affairs, the Ministry of the Environment, Conservation and Parks, and the Ministry of Transportation. Comments from the Ministry of Agriculture, Food and Rural Affairs did not warrant revisions to the document and follow up questions were clarified for the Ministry, comments received from the Ministry of the Environment, Conservation and Parks were incorporated into the document while the Ministry of Transportation comments were reviewed and deemed that no revisions to the document were required.

Comments were requested from the public and again of implementing bodies during the Public Consultation period, in accordance with the prescribed 35 day comment window. A total of five comments were received: Four comments from the public in Picton and one set of comments from the public in Madoc. No comment letters were received from the public in Belleville, and no follow-up comments were received from the ministerial implementing bodies.

None of the comments received during the public consultation period were deemed to warrant revisions to the document by the Source Protection Committee.

10 Consultation on a nitrate issue in Village of Tweed

Due to rising levels of nitrates in the groundwater source for the Tweed municipal drinking water system, an issue was identified and an issues contributing area was delineated. Amendments to the Quinte Region Source Protection Plan and the associated reports were therefore required in order to address nitrate-related threats in the issues contributing area. These amendments included updates to the text in chapter 4, 5, and 9 of the assessment report, a Tweed Village Source Protection Study Drinking Water Issues & Threats Final Report Addendum, and the addition of an issues contributing area map related to the Village of Tweed. Similarly, maps were updated in the source protection plan to reflect the new issues contributing area.

No new policies were added however, minor changes were proposed to a few policies. Any policy that addresses nitrate threats was updated to include the Tweed Issues Contributing Area. Additionally, agricultural related threats were updated to include the requirement of nitrate soil sampling prior to the application of nitrates to the land. The source protection plan was updated to include new information about policy effective dates in the newly affected areas. Therefore, once the amendments were approved by the Ministry of the Environment, Conservation and Parks (MECP), the effective dates outlined on the policies commenced from the date the updated source protection plan took effect, as specified by the Minister.

Steps taken to consult on the proposed updates to the Assessment Report include:

- a) Early engagement with municipal staff and municipal consultants occurred in the fall of 2021.
- b) May 11, 2022, the municipal council of the Municipality of Tweed passed resolutions approving the proposed amendments.
- c) Early engagement with the Ministry of the Environment, Conservation and Parks was conducted in April, 2022. Early engagement allowed the MECP to provide early feedback on draft technical and policy work, prior to pre-consultation.
- d) Pre-consultation commenced June 17, 2022, with all implementing bodies receiving an amendment notice and pertinent information related to the update. All agencies responsible for implementing policies within the source protection plan were provided with pre-consultation notice letters (Figure 20), and a summary of amendments which included updated reports and maps. Comments were requested by July 8, 2022.



Section 34 - Source Protection Plan Amendment
Official Pre-Consultation Notice under Ontario Regulation 287/07

June 17, 2022

Attention: Quinte Region Source Protection Plan Implementing Bodies and Stakeholders

RE: Notice of Proposed Updates to the Quinte Region Source Protection Plan and Assessment Report to include the identification of a nitrate Issue, and Issues Contributing Area in the Tweed Wellhead Protection Area, a result of elevated nitrate levels in the raw water of the Tweed Municipal Well System.

Please be advised of proposed amendments to the approved Quinte Region Source Protection Plan and Assessment Report. This notice of amendments has been sent as part of the Pre-Consultation Process under Section 34 of Ontario Regulation 287/07 under the *Clean Water Act, 2006*.

Your input is being sought on the attached document "Summary of Proposed Quinte Region Assessment Report and Source Protection Plan Amendments – Tweed Municipal Well System". These amendments are based on a rising trend of nitrate levels in the groundwater source for the Tweed Municipal Well System. The Quinte Region Source Protection Committee was notified that levels of nitrates in the drinking water had risen to a level which exceeded the half maximum allowable concentrations of nitrates in sources of drinking water. In response, the Quinte Region Source Committee has identified nitrates as an Issue in the Tweed Municipal Well System and have delineated an Issues Contributing Area, extending across the Tweed Wellhead Protection Areas A-D.

This amendment includes updates to the Assessment Report, and applicable maps, to include the identification of the nitrate Issue, and delineation of an Issues Contributing Area. The amendment also has implications on policies in the Quinte Source Protection Plan. Policies addressing land uses could be contributing to the increased nitrate levels in Tweed have all been amended to include the Tweed Issues Contributing Area in the "Applicable Areas" section of the policy. Additionally, two agricultural-related policies (Policy 3-2-E&F and Policy 3-4-E&F) were amended to include additional measures within the policy text to address the rising nitrate levels.

Please provide your feedback on the proposed amendments to Amy Dickens, Source Protection Program Coordinator (adickens@quinteconservation.ca) by July 8, 2022.

At a later date, you will be notified of the opportunity to provide formal comments on the proposed amendments during the 35-day period which is planned to commence later in July 2022.

Sincerely,

Amy Dickens
Source Protection Program Coordinator
Quinte Source Protection Area

Cc: Max Christie, Chair, Quinte Region Source Protection Committee
Brad McNevin, CAO, Quinte Conservation
Mary Wooding, Liaison Officer, Ministry of the Environment, Conservation and Parks

Figure 20: Pre-consultation Notice

- e) Letters were sent to all landowners in the new vulnerable areas and all implementing bodies on July 25, 2022, advising of the opportunity to comment, providing information about the amendments and enclosing the

- Notice (Figure 21: Sample Letter). The 35 day public consultation began DATE. Written comments were requested by August 31, 2022. Materials were left at the municipal office, Source Protection Authority office and on the website for an additional 7 days (September 7, 2022) to provide additional comment time.
- f) Paper copies of the proposed updates were made available for public review during business hours at Quinte Conservation and at the municipal office of The Municipality of Tweed from July 26 to August 31, 2022.
 - g) A notice (Figure 22) and the proposed updates to Assessment Report and Source Protection Plan were published on the Internet at QuinteSourceWater.ca on July 26, 2022 in accordance with the Clean Water Act, 2006 and Ontario Regulation 288/07. Proposed maps and proposed supporting document amendments were also published on the Internet along with an online comment form (Figure 23)
 - h) Advertisements were purchased and appeared in the Tweed News on July 26 and August 16, 2022 (Figure 24: Example of newspaper advertisement).

More information on this concurrent public consultation is available in the Source Protection Plan and the Explanatory Document.



***Public Notice: Consultation on Proposed Amendments to
The Quinte Region Assessment Report and Source
Protection Plan***

Official Public-Consultation Notice under Ontario Regulation 287/07

The Quinte Source Protection Plan is in effect to protect the groundwater that feeds the Tweed Municipal Wells. Recently the levels of nitrates in the raw water have been rising. In order to address this concern, the Quinte Region Source Protection Committee is proposing some changes to the Source Protection Plan and the Assessment Report. This includes adding an issues contributing area to the existing vulnerability mapping in the Assessment Report and updating any policies that are related to activities that could be causing the nitrate issue. You now have the opportunity to comment on these proposed amendments.

The public is invited to provide comments on the proposed changes until Wednesday August 31, 2022.

WHY ARE CHANGES PROPOSED?

The two municipal wells for the Village of Tweed draw water from the surrounding ground but are also influenced by the quality of water running off the surface of the ground. This is because soils are thin and highly permeable, and the fractured bedrock in the area has many cracks and crevices which allow surface water to enter the groundwater easily and quickly.

Water quality testing has shown the Village of Tweed is experiencing elevated levels of nitrates within the source water for the existing municipal wells. In response, the Quinte Region Source Protection Committee has prepared updates to the source protection plan and assessment report to address nitrate threats in the wellhead protection areas.

PURPOSE AND RATIONALE OF AMENDMENT

An amendment to the Quinte Region Source Protection Plan, developed under Ontario's *Clean Water Act*, is needed so that the policies to protect drinking water sources set out in the Plan can apply within all wellhead protection areas. In response to the increasing levels of nitrates in the groundwater, the Quinte Region Source Committee has identified nitrates as an Issue in the Tweed Municipal Well System and have delineated an Issues Contributing Area, extending across the Tweed Wellhead Protection Areas A-D. As such, activities on the land that have the potential to elevate nitrate levels in the groundwater, may need additional management measures to reduce the potential for contamination of the water source.

The proposed amendment includes updates to the Assessment Report, and applicable maps, to include the identification of the nitrate Issue, and delineation of the Tweed Issues Contributing Area.

The amendment also has implications on policies in the Quinte Source Protection Plan. Policies addressing land uses could be contributing to the increased nitrate levels in Tweed have all been amended to include the Tweed Issues Contributing Area in the "Applicable Areas" section of the

policy. Additionally, two agricultural-related policies (Policy 3-2-E&F and Policy 3-4-E&F) were amended to include additional measures within the policy text to address the rising nitrate levels.

HOW WILL PEOPLE BE AFFECTED?

It is important to note that no new policies are being proposed, however, a number of existing policies were amended to apply within the issues contributing area.

Only certain activities within the issues contributing area are considered to be potential significant threats to the water source. These activities include: operation of a waste disposal site, operation of a septic system, the use of commercial fertilizers, the storage of snow, and agriculture activities involving storage, handling and application of agricultural source material (whey and manure) and fertilizer, and grazing of livestock.

Under the *Clean Water Act, 2006* significant threat activities, both existing and potential, must be identified in the Assessment Report. The updated Assessment Report will include the results of this recent Issues Contributing Area technical work.

Similarly, the Source Protection Plan must be updated to reflect the changes to the Assessment Report so that identified significant threat activities can be addressed. Policies in the Plan related to the above activities were amended to apply within the Tweed Issues Contributing Area. It is important to note that no activities are prohibited by these amendments, rather implementation of additional risk management measures may be needed to address the potential threat.

Specifically, the proposed updates mean that parcels within the Tweed Issues Contributing Area with:

- Septic Systems will be inspected on a five-year mandatory inspection cycle in accordance with the Ontario Building Code, and that five-year inspection cycle will start once the newly Updated Assessment Report is approved. The purpose of these inspections is to ensure that septic systems are operating properly and not contaminating nearby groundwater.
- Snow Storage Operations may require risk management plans+ to address activities that could contribute nitrates into the soil and subsequently the groundwater. This may include measures such as installing snow fences to reduce mechanical snow removal activities required.
- Agricultural Operations may require risk management plans+ to address activities that could contribute nitrates into the soil and subsequently the groundwater. This may include measures such as testing soils for nitrate levels prior to spreading, or restricting storage, handling, and application of fertilizers and/or agricultural source materials.

+A risk management plan is a site-specific document negotiated after the approval of the Source Protection Plan. It is negotiated by the person engaged in the activity and an accredited risk management official appointed by a municipality. The intent is that the risk management plan be voluntarily negotiated wherever possible. This means there is opportunity for discussion, flexibility, and agreement as to how a significant drinking water threat will be regulated on a property in order to reduce the potential impact on drinking water sources. The risk management plan includes and accounts for any risk management measures that may already be in place such as a nutrient management plan. Risk management plans will vary in complexity depending on circumstances on each property. Many will be simple and straightforward.

People in the newly included areas, who are engaged in activities identified as potential significant threats to the drinking water sources, may be affected. Those people have been contacted, provided with information, and notified of this opportunity to comment.

Significant threat activities do not and will not occur on every property in the area outlined on the map. However, it is important to be aware that these activities represent a potential significant threat to the municipal water source.

DOCUMENTATION

In addition to the proposed amendment map the source protection plan, assessment report and supporting documents also need to be amended to reflect these changes. View and/or download: quintesourcewater.ca

- A copy of the public notice.
- A map of the proposed amendments to the Wellhead Protection Areas for the Village of Tweed.
- Assessment Report Proposed Updates, including:
 - Chapter 4 of the Assessment Report – this section discusses the methodology used in the Issue determination.
 - Section 5.6 of Chapter 5 of the Assessment Report –Groundwater Municipal Intakes – this section discusses the Tweed system and outlines how and why the zones were delineated. A rationale for the amendment is included.
 - Maps referred to in Section 5.6 of the Assessment Report.
 - Chapter 9 – updates to the Issues section of the Key Outcomes.
 - Appendix G of the Assessment Report – this appendix outlines the consultation process of this consultation period.
 - Appendix E-6 of the Assessment Report – this appendix includes an issues identification report referred to in Chapter 5. An addendum has been added to address the current nitrate levels in the municipal groundwater system's raw water.
- Quinte Region Source Protection Plan Proposed Updates, including:
 - The map of the Tweed Wellhead Protection Area included in the Source Protection Plan showing the proposed amendments.
 - The Explanatory Document that accompanies the Source Protection Plan. It explains how and why Source Protection Plan was developed. It has been amended to include this consultation process for these amendments.

See paper copies of the proposed amendments during business hours at:

- Quinte Conservation, 2061 Old Highway 2, Belleville
- Municipality of Tweed Municipal Office, 255 Metcalf St. Tweed

HOW TO COMMENT

Quinte Conservation is seeking comments on the proposed amendments, particularly from those who implement policies and those who may be engaging in significant threats in the newly affected areas in the Village of Tweed.

Please submit comments in writing by **Wednesday, August 31, 2022**.

Online: Online comment [form](#)
Mail: Amy Dickens, Project Coordinator
Quinte Conservation,
2061 Old Highway 2, R.R. #2,
Belleville ON K8N 4Z2
Fax: 613-968-8240
Email: adickens@quinteconservation.ca

BACKGROUND

The initiative to protect sources of municipal drinking water is directed and funded by the Ontario Ministry of the Environment, Conservation and Parks under the *Clean Water Act, 2006*. Policies in the Quinte Region Source Protection Plan were developed by a local [21 member](#) Source Protection Committee. The Plan, approved by Ontario's Minister of the Environment, Conservation and Parks, came into effect in January 2015. Quinte Conservation provided technical, communications and administrative support during the planning process and continues to provide needed expertise and support to municipalities as the Source Protection Plan is implemented.

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Figure 21: Sample Public Consultation Notice

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Who We Are

Section 34 - Source Water Protection Public Consultation -
Tweed

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Manage Layout

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Public Notice: Consultation on Proposed Amendments to The Quinte Region Assessment Report And Source Protection Plan

Official Public-Consultation Notice under Ontario Regulation 287/07

The Quinte Source Protection Plan is in effect to protect the groundwater that feeds the Tweed Municipal Wells. Recently the levels of nitrates in the raw water have been rising. In order to address this concern, the Quinte Region Source Protection Committee is proposing some changes to the Source Protection Plan and the Assessment Report. This includes adding an issues contributing area to the existing vulnerability mapping in the Assessment Report and updating any policies that are related to activities that could be causing the nitrate issue. You now have the opportunity to comment on these proposed amendments.

The public is invited to provide **comments** on the proposed changes until Wednesday August 31, 2022.


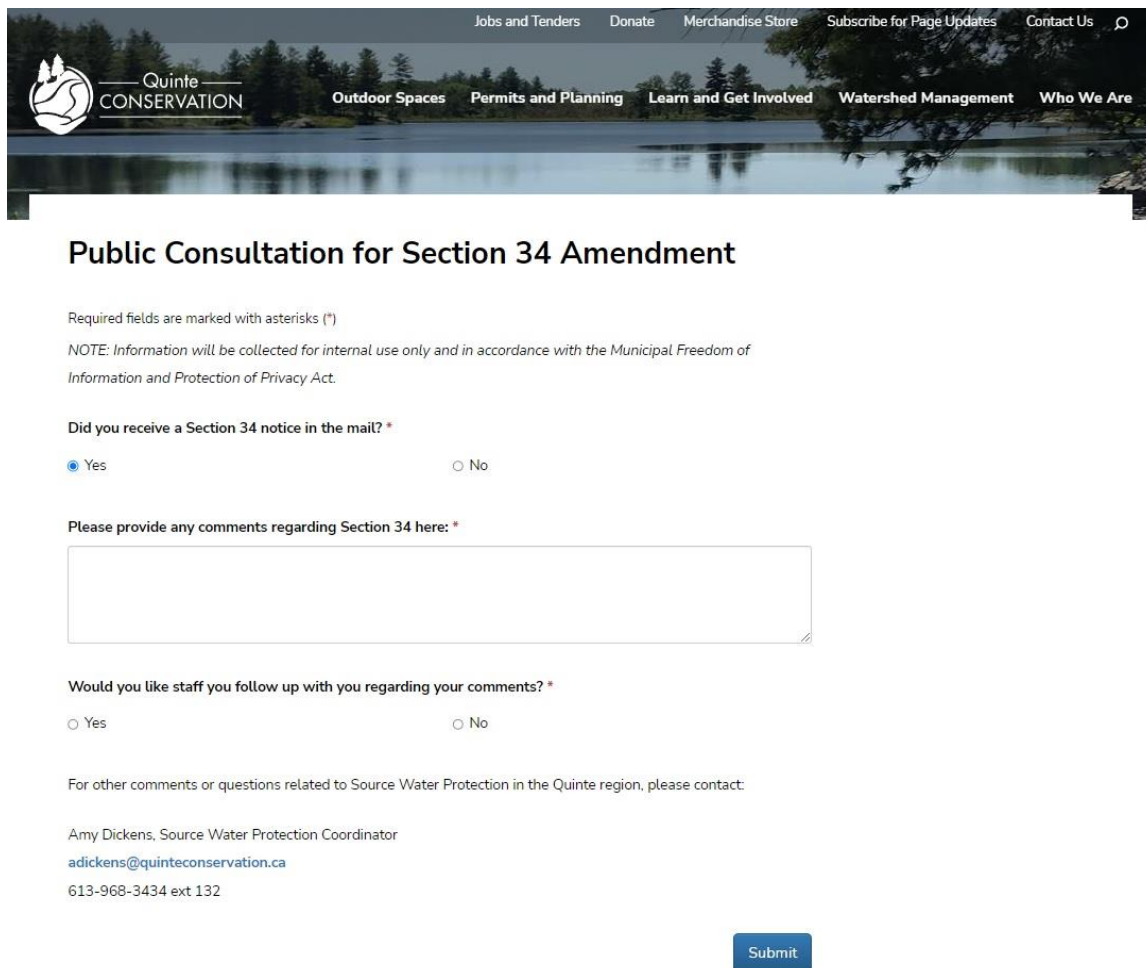


Figure 22: Sample of internet posting



The image shows a screenshot of the Quinte Conservation website. The header features a navigation bar with links: Jobs and Tenders, Donate, Merchandise Store, Subscribe for Page Updates, and Contact Us. Below this is a secondary navigation bar with links: Outdoor Spaces, Permits and Planning, Learn and Get Involved, Watershed Management, and Who We Are. The main content area is titled "Public Consultation for Section 34 Amendment". It includes a note about required fields, a privacy statement, and a question about receiving a Section 34 notice. There is a radio button selection for "Yes" (selected) and "No". A text area for comments is provided. Another question asks if the user wants staff follow-up, with radio buttons for "Yes" and "No". Contact information for Amy Dickens is listed, including an email address and a phone number. A "Submit" button is at the bottom right.

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Quinte CONSERVATION Outdoor Spaces Permits and Planning Learn and Get Involved Watershed Management Who We Are

Public Consultation for Section 34 Amendment

Required fields are marked with asterisks (*)

NOTE: Information will be collected for internal use only and in accordance with the Municipal Freedom of Information and Protection of Privacy Act.

Did you receive a Section 34 notice in the mail? *

☒ Yes ☐ No

Please provide any comments regarding Section 34 here: *

Would you like staff to follow up with you regarding your comments? *

☐ Yes ☐ No

For other comments or questions related to Source Water Protection in the Quinte region, please contact:

Amy Dickens, Source Water Protection Coordinator
adickens@quinteconservation.ca
613-968-3434 ext 132

Submit

Figure 23: Sample online comment form

The Tweed News, July 27, 2022

NOTICE OF PUBLIC CONSULTATION

HAVE YOUR SAY!
Provide feedback on proposed amendments to the Quinte Region Assessment Report and Source Protection Plan.

LEARN ABOUT:
Proposed updates to the vulnerable areas surrounding the Village of Tweed's municipal water sources.

HOW DOES THIS AFFECT ME?
The Tweed Municipal Well System Village of Tweed is experiencing elevated levels of nitrates in the groundwater source.

In response, the Quinte Region Source Protection Authority has proposed updates to the mapping of the wellhead protection area for Tweed to include the issue contributing area, which amends the applicable areas of several policies to apply within the Tweed Issues Contributing Area, and provides additional policy direction within the issues contributing area to address rising nitrate levels in the drinking water source.

If you live, work, or own property within the proposed areas, the proposed amendments may affect you.

View the proposed amendments between July 26th and August 31 at the following locations:

Tweed Municipal Office
255 Metcalf Street, Tweed
8:30 am - 4:30 pm

Quinte Conservation Office
2061 Old Hwy 2, Belleville
8:30 am - 4:00 pm

Quinte Source Protection Region
QuinteSourceWater.ca

Submit comments online or in writing by August 31, 2022.

- Quinte Conservation 2061 Old Highway 2, Belleville, ON, K8N 4Z2
- Online at QuinteSourceWater.ca

Questions? Contact:
Amy Dickens, Project Lead
adickens@quinteconservation.ca
613-968-3434 ext. 132


 Quinte Region
**DRINKING WATER
SOURCE PROTECTION**
Our Actions Matter

Figure 24: Sample Newspaper Advertisement

All comments received during early engagement with the Ministry of the Environment, Conservation and Parks were addressed through updates to the document except for comments related to Policy 3-4-E&F. Quinte staff discussed with Ministry staff that Policy 3-4-E&F had several suggested amendments to address policy inefficiencies as part of the Section 36 amendments. As the Section 36 amendments would address the comments from the Ministry, it was agreed that these comments could be addressed in the later Section 36 amendments.

Three comments were received during pre-consultation with the implementing bodies: One set of comments from each the Ministry of the Environment, Conservation and Parks, the Ministry of Transportation and Hastings County. Comments from the Ministry of the Environment, Conservation and Parks and the Ministry of Transportation did not warrant revisions to the document. The Ministry of the Environment, Conservation and Parks provided further comment and proposed policy text for Policy 3-4-E&F, and clarified the Ministry understood these comments will be addressed during the Section 36 amendment. Follow up questions were clarified for the Ministry of Transportation, and subsequent comments were reviewed and deemed that no revisions to the document were required. Comments received from Hastings County were incorporated into the document.

Comments were requested from the public and again of implementing bodies during the Public Consultation period, in accordance with the prescribed 35-day comment window. An additional week beyond the prescribed 35-day comment window was provided for comments, A total of three comments were received from the public, and no follow-up comments were received from the ministerial implementing bodies.

None of the comments received during the public consultation period were deemed to warrant revisions to the document by the Source Protection Committee.