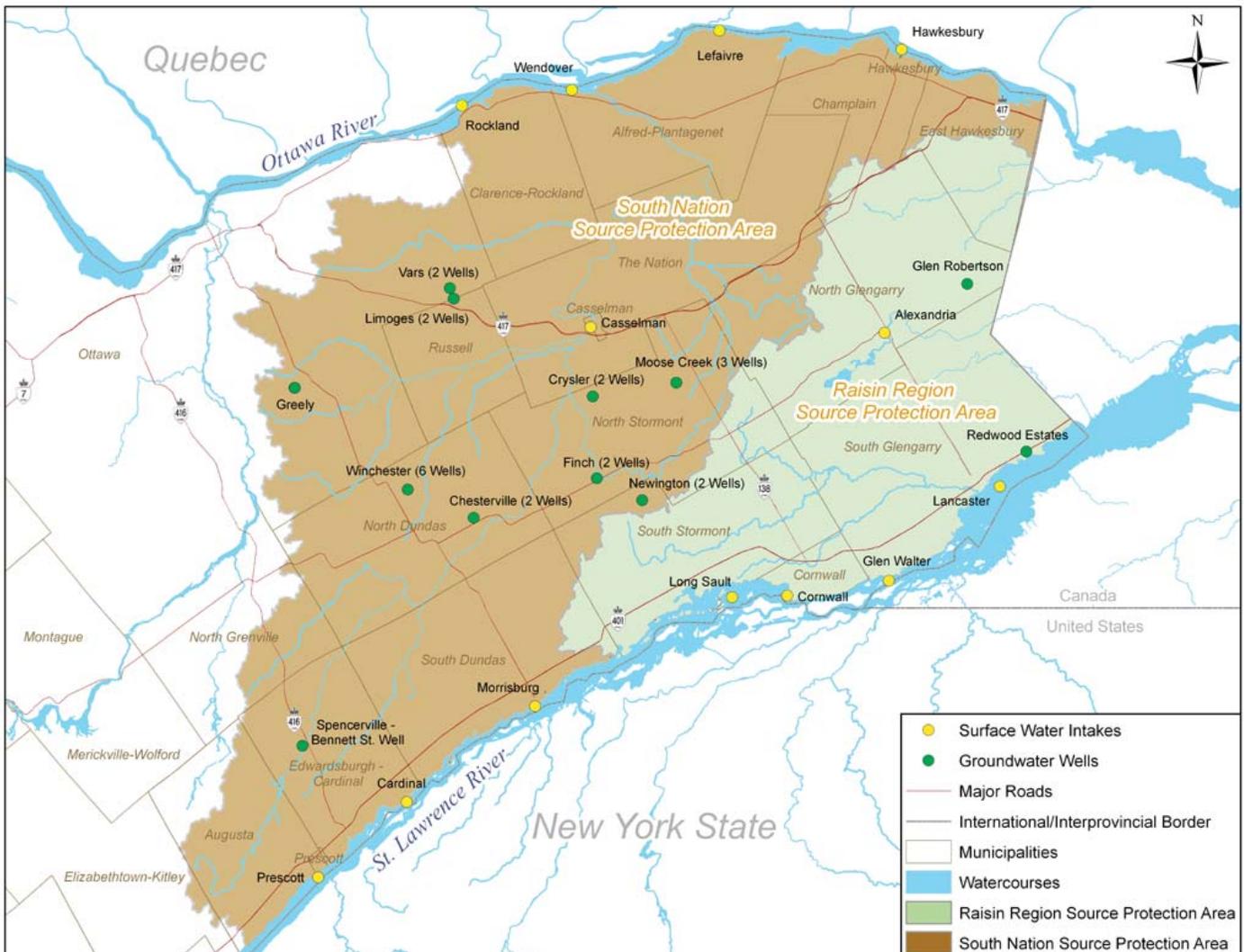


# Source Protection Annual Progress Report | 05/01/2018

## I. Introduction

This annual progress report outlines the progress made in implementing our source protection plan(s) for the Raisin Region Source Protection Area and the South Nation Source Protection Area, as required by the Clean Water Act and regulations.



## II. A message from your local Source Protection Committee

Our progress score on achieving source protection plan objectives this reporting period:

- P : Progressing Well/On Target** – The majority of the source protection plan policies have been implemented and/or are progressing.
- S : Satisfactory** – Some of the source protection plan policies have been implemented and/or are progressing.
- L : Limited progress** – A few of source protection plan policies have been implemented and/or are progressing.

The objectives of the Source Protection Plan, as per Ontario Regulation 287/07, Section 22(1) are:

1. To protect existing and future drinking water sources in the source protection area; and,
2. To ensure that, for every area identified in an assessment report as an area where an activity is or would be a significant drinking water threat that,
  - i. The activity never becomes a significant drinking water threat, or
  - ii. If the activity is occurring when the source protection plan takes effect, the activity ceases to be a significant drinking water threat.

The policies were developed by taking into consideration the following three guiding principles:

1. Effectiveness, i.e. does the policy effectively protect sources of drinking water;
2. Appropriateness, i.e. is the policy practical and does it avoid regulatory duplication; and,
3. Fiscal Responsibility, i.e. is the policy cost-effective and reasonable.

Most of the activities identified as significant drinking water threats in the Assessment Reports for the source protection areas have been removed or mitigated through risk management measures. The risk management measures implemented are effective, appropriate and fiscally responsible.

### III. Our Watershed

To learn more, please read our assessment report(s) and source protection plan(s).

The Raisin-South Nation Source Protection Region encompasses a land mass of over 7,000 km<sup>2</sup> and is comprised of two Source Protection Areas: Raisin Region Source Protection Area (2,000 km<sup>2</sup>) and South Nation Source Protection Area (5,000 km<sup>2</sup>).

#### Raisin Region Source Protection Area

The Raisin Region Source Protection Area is comprised of the Raisin Region Conservation Authority's jurisdiction, plus some additional watershed-based area to the south west (Nash Creek) and north (Rigaud River). The total population of the area is approximately 82,000; of which 65,000 rely on municipal drinking water. The following municipal drinking water sources are protected by the source protection plan:

- Redwood Estates (Township of South Glengarry), 1 groundwater well
- Glen Robertson (Township of North Glengarry), 1 groundwater well
- Long Sault (Township of South Stormont) 1 surface water intake
- Cornwall (City of Cornwall), 1 surface water intake
- Glen Walter (Township of South Glengarry), 1 surface water intake
- Lancaster (Township of South Glengarry), 1 surface water intake
- Alexandria (Township of North Glengarry), 1 surface water intake

#### South Nation Source Protection Area

The South Nation Source Protection Area includes the jurisdiction of South Nation Conservation with the addition of the Town of Prescott and additional watershed based area to the north east along the Ottawa River. The total population of the area is approximately 177,000; of which 105,000 rely on municipal drinking water. The following municipal drinking water sources are protected by the source protection plan:

- Vars (City of Ottawa), 2 groundwater wells
- Limoges (The Nation Municipality), 2 groundwater wells
- Shadow Ridge, Greely (City of Ottawa), 1 groundwater well
- Crysler (Township of North Stormont), 2 groundwater wells
- Moose Creek (Township of North Stormont), 3 groundwater wells
- Finch (Township of North Stormont), 2 groundwater wells
- Winchester (Township of North Dundas), 6 groundwater wells
- Chesterville (Township of North Dundas), 2 groundwater wells
- Newington (Township of South Stormont), 2 groundwater wells
- Bennett Street, Spencerville (Township of Edwardsburgh/Cardinal), 1 groundwater well
- Prescott (Town of Prescott), 1 surface water intake
- Cardinal (Township of Edwardsburgh/Cardinal), 1 surface water intake
- Morrisburg (Township of South Dundas), 1 surface water intake
- Rockland (City of Rockland), 1 surface water intake
- Wendover (Township of Alfred-Plantagenet), 1 surface water intake
- Lefaiivre (Township of Alfred-Plantagenet), 1 surface water intake
- Hawkesbury (Town of Hawkesbury), 1 surface water intake
- Casselman (Village of Casselman), 1 surface water intake

## IV. At a Glance: Progress on Source Protection Plan Implementation

### 1. Source Protection Plan Policies

P : Progressing Well/On Target

All of the policies (100%) that address significant drinking water threats are implemented, in progress or have been evaluated and determined to require no further action(s).

### 2. Municipal Progress: Addressing Risks on the Ground

18 municipalities in our source protection region have vulnerable areas where significant drinking water threat policies apply. These municipalities include: City of Cornwall, City of Ottawa, City of Clarence-Rockland, Village of Casselman, Town of Prescott, Town of Hawkesbury, Champlain Township, Township of Edwardsburgh/Cardinal, Township of Alfred and Plantagenet, Russell Township, The Nation Municipality, Augusta Township, Township of North Dundas, Township of South Dundas, Township of North Stormont, Township of South Stormont, Township of North Glengarry and the Township of South Glengarry.

P : Progressing Well/On Target - All of the municipalities (100%) in our source protection region have processes in place to ensure that their day-to-day planning decisions conform with our source protection plans. The two largest municipalities (City of Ottawa and the City of Cornwall) have designated their own Risk Management Officials for this purpose, while the remaining municipalities have designated the local conservation authorities for risk management duties. Risk Management Officials screen building permits and planning applications in the vulnerable areas.

Municipalities in our source protection region also are required to take the next step to review and update their Official Plan to ensure it conforms with the local source protection plans the next time they undertake an Official Plan review under the Planning Act.

Upper tier municipalities in the our region (United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott-Russell, United Counties of Leeds and Grenville) have all included source protection in their Official Plan amendments. The Source Protection Committee and staff will work with the single tier municipalities (City of Cornwall, City of Ottawa, Town of Prescott) with future OP amendments.

### 3. Septic Inspections

P : Progressing Well/On Target

90% of on-site sewage systems have been inspected in accordance with the Ontario Building Code. Inspection results found the majority are functioning as designed. 12 % required minor maintenance work (pump out etc.), and 2 tanks required replacement.

### 4. Risk Management Plans

P : Progressing Well/On Target

In the previous calendar year, 84 risk management plans were established in our source protection region. Since our source protection plan took effect, a total of 104 risk management plans have been established. A single risk management plan can apply to multiple properties. The total number of properties covered by a risk management plan is 218.

6 inspections have been carried out or planned by a Risk Management Official/Inspector for prohibited or regulated activities. There is a 100% compliance rate with the risk management plans established in our source protection region.

## 5. Provincial Progress: Addressing Risks on the Ground

P : Progressing Well/On Target

Ontario ministries are reviewing previously issued provincial approvals (i.e., prescribed instruments, such as environmental compliance approvals under the Environmental Protection Act) where they have been identified as a tool in our plan to address existing activities that pose a significant risk to sources of drinking water. The provincial approvals are being amended or revoked where necessary to conform with plan policies. Our policies set out a timeline of 3 years to complete the review and make any necessary changes. The ministries have completed this for 71% of previously issued provincial approvals in our source protection region.

## 6. Source Protection Awareness and Change in Behaviour

Within the Raisin-South Nation Source Protection Region, 89 Drinking Water Protection Zone signs have been installed (12 on provincial 400-series highways, and 77 on municipal roads).

The Source Protection Region was able to increase awareness of the road sign initiative through media releases and providing supporting resources online. The Source Protection Committee feels it is important for the Ministry of the Environment and Climate Change to continue to lead education and support for this initiative throughout the province.

**7. Source Protection Plan Policies: Summary of Delays**

This is not applicable to our source protection region.

## 8. Source Water Quality: Monitoring and Actions

In our source protection region/area, no issues have been identified in our local science-based assessment report(s) regarding the quality of the source(s) of municipal drinking water.

## 9. Science-based Assessment Reports: Work Plans

No work plans were required to be implemented for our assessment report(s).

## 10. More from the Watershed

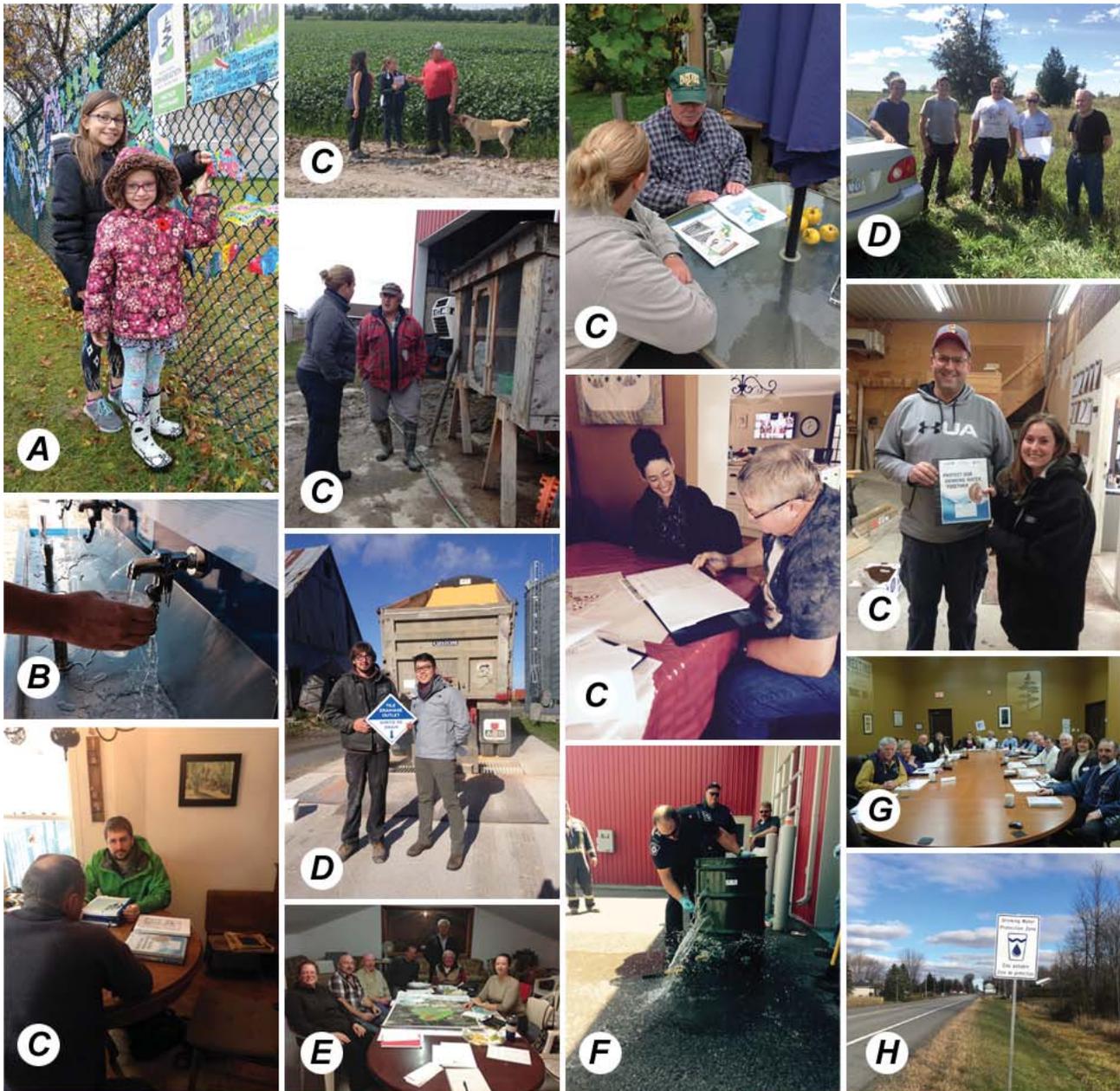
To learn more about our source protection region/area, visit our Homepage.

<http://www.yourdrinkingwater.ca>

The region's success with implementing the source protection plans can be attributed to a coordinated and consistent effort in addressing the activities listed as drinking water threats. Small municipalities, within the source protection region have benefited from delegating municipal enforcement of the Clean Water Act to the respective conservation authorities. Staff at both conservation authorities have worked together to develop streamlined risk management practices; documentation; data management systems; and, education and outreach materials.

Funding for implementation was made possible for small municipalities through the provincial Source Protection Municipal Implementation Fund. Without this fund, municipalities in our region would have faced financial challenges establishing the risk management plans. The fund removed the burden of a potential surcharge to landowners requiring risk management plans. This resulted in a more expedient and pleasant risk management plan negotiation process.

11. Source Water Protection Implementation throughout the Region



<p><b>AGRI-ACTION</b></p> <p><b>Protecting water from field to faucet</b></p> <p>Balancing knowledge and action.</p>	<p><b>FUEL TOOLS</b></p> <p><b>Caring for your fuel tank</b></p> <p>Keep chemicals out of drinking water sources.</p>	<p><b>PESTICIDE WISE</b></p> <p><b>Insecticides, herbicides and fungicides</b></p> <p>Promote natural barriers and reduce pesticide use.</p>	<p><b>SEPTIC SOLUTIONS</b></p> <p><b>Treating your household wastewater</b></p> <p>Save money and protect your drinking water.</p>	<p><b>WATER SMART</b></p> <p><b>Protecting water from source to tap</b></p> <p>Balance conservation and action.</p>	<p><b>WELL INFORMED</b></p> <p><b>Private well water systems</b></p> <p>Protect the safety of your drinking water.</p>
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<p><b>I</b> yourdrinkingwater.ca</p>	<p>www.yourdrinkingwater.ca</p>	<p>www.yourdrinkingwater.ca</p>	<p>www.yourdrinkingwater.ca</p>	<p>www.yourdrinkingwater.ca</p>	<p>www.yourdrinkingwater.ca</p>

A) Educating kids through the 'Stream of Dreams' program; B) Water Buggy and Source Protection booth at the International Plowing Match; C) Signing Risk Management Plans to protect water; D) Working with stakeholders to protect water; E) Meeting with agricultural leaders to protect water; F) Firefighter spills training; G) The local Source Protection Committee; H) Drinking Water Protection Zone signs installed; I) Locally produced Outreach and Education materials.