



Source Protection Authority Meeting

By Zoom

1:00 PM

April 20, 2022

<https://us06web.zoom.us/j/82176921816>

1-647-558-0588

Meeting ID: 821 7692 1816

AGENDA

ROLL CALL

Adoption of Agenda

Declaration of Interest (written)

1. Approval of Minutes - Source Protection Authority, October 20, 2021, Page 2
2. Source Protection Annual Progress Report, Report SPA78/22 (Laura Cummings), Page 4

Other Business

ADJOURNMENT



Source Protection Authority

MINUTES

Via Zoom

October 20, 2021

MEMBERS PRESENT

J. Atkinson, Chair
J. Mason, Vice-Chair
F. Campbell
J. Inglis
E. El-Chantiry
K. Thompson
P. Kehoe
B. Holmes
J. Karau
B. King
C. Lowry
C. Rigelhof
P. Sweetnam

MEMBERS ABSENT

G. Gower
C. Kelsey
A. Tennant
R. Darling

STAFF PRESENT

S. McIntyre, General Manager
A. Millar, Treasurer
M. Craig, Manager of Planning and Regulations
A. Moore, Regulations Officer
E. Levi, Administrative Assistant
L. Williams, Recording Secretary
L. Cummings, MRSP Project Manager

BUSINESS

1. Adoption of the Agenda

SPA10/20/21-1

MOVED BY: K. Thompson

SECONDED BY: J. Karau

Resolved, That the Agenda for the October 20th, 2021 Source Protection Authority meeting be adopted as presented.

“CARRIED”

2. Approval of Minutes

SPA10/20/21-2

MOVED BY: B. Holmes

SECONDED BY: B. King

Resolved, That the minutes of the Mississippi Valley Source Protection Authority meeting held on September 15, 2021 be received and approved as printed.

“CARRIED”

3. Source Protection Committee Member Appointment

L. Cummings presented Report # SPA77/21 regarding the appointment of Roy Huetl to represent the Public Sector on the Mississippi-Rideau Source Protection Committee.

J. Atkinson drew attention to the impressive presentation given by Mr. Huetl during his interview. He concluded by expressing his satisfaction with the choice of candidate.

SPA10/20/21-3

MOVED BY: F. Campbell

SECONDED BY: P. Sweetnam

Resolved, That the Mississippi Valley Source Protection Authority officially appoint Roy Huetl to represent the Public Sector on the Mississippi-Rideau Source Protection Committee.

“CARRIED”

ADJOURNMENT

The meeting was adjourned at 3:17 p.m.

SPA10/20/21-4

MOVED BY: K. Thompson

SECONDED BY: B. Holmes

Resolved, That the Mississippi Valley Source Protection Authority meeting be adjourned.

“CARRIED”

“L. Williams, Recording Secretary

J. Atkinson, Chair”

SPAREPORT

SPA78/22

TO:	Mississippi Valley Source Protection Authority
FROM:	Laura Cummings, Project Manager Mississippi-Rideau Source Protection Region
RE:	Source Protection Annual Progress Report
DATE:	April 20, 2022

Recommendation

That the Mississippi Valley Source Protection Authority receive the 2021 Source Protection Annual Progress Report (public facing report and supplemental form), including the Source Protection Committee comments and grading;

And further, that the Mississippi Valley Source Protection Authority direct staff to submit the Annual Progress Report (public and supplemental form) to the Ministry of the Environment, Conservation and Parks as required by the Clean Water Act and Regulations.

ANNUAL REPORTING REQUIREMENTS

The *Clean Water Act* (Section 46) requires the Annual Progress Report to be prepared and:

- Describe measures taken to implement the Plan
- Describe the results of monitoring programs
- Describe extent to which objectives set out in the plan are being achieved
- Contain other information as prescribed by the regulations

Ontario Regulation 287/07 (Section 52) describes other information to be included:

- Description and reasons for policy delays
- Description of steps taken to address deficiencies in information
- Summary of the report prepared and submitted by the RMO each year
- Any other information the SPA considers advisable

BACKGROUND

The Source Protection Authorities are required to submit an Annual Progress Report each year, under Section 46 of Ontario's *Clean Water Act*. The report is to be submitted to the Ministry of Environment, Conservation and Parks (MECP) by May 1 of each year and is to be provided to the SPC for comment at least 30 days prior to this. The report summarizes:

- Measures taken to implement the source protection plan;
- Results of monitoring policies;
- The extent to which objectives of the plan are being achieved; and,

- Other information that might be required by the regulation.

There are two components of the progress reporting, a public facing report document and a supplemental reporting form that is to be provided directly to the MECP.

This is the fifth Annual Progress Report since the Source Protection Plan came into effect on January 1, 2015. The previous four Annual Progress Reports were submitted on May 1st of 2018, 2019, 2020, and 2021.

PUBLIC FACING ANNUAL PROGRESS REPORT

The public portion of the Annual Progress Report includes an introductory section which includes Source Protection Committee comments, information about the Mississippi-Rideau Source Protection Region, and an overall 'grade' for the region in achieving source protection plan objectives. Where the form asks for grading, there were three options for the SPC:

- P: Progressing Well/On Target, meaning that the majority of the source protection plan policies have been implemented and/or are progressing
- S: Satisfactory, meaning that some of the source protection plan policies have been implemented and/or are progressing
- L: Limited progress, meaning that a few of the source protection plan policies have been implemented and/or are progressing

There are ten general sections in the public report that pull information from the MECP supplemental reporting form.

ANNUAL PROGRESS REPORTING SUPPLEMENTAL FORM FOR SOURCE PROTECTION

This form is meant to provide a standardized form across the province for sharing critical information from the source protection authorities on implementation progress. It is to be completed and provided to the MECP by May 1, 2022.

SEPARATE ATTACHMENTS

1. Source Protection Annual Progress Report—Public Facing Document
2. Annual Progress Reporting Supplemental Form

2021 Source Protection Annual Progress Report

I. Introduction

As required by the Clean Water Act and its regulations, this report outlines the progress made in implementing the Mississippi-Rideau Source Protection Plan (MRSP) in 2021. Our Source Protection Region is made up of the Mississippi Valley and the Rideau Valley Source Protection Areas.

Source protection focuses on protecting sources of municipal drinking water such as lakes, rivers or underground aquifers that supply people with drinking water, from contamination and overuse.

About three quarters of the population of the Mississippi-Rideau Region live in an area that is serviced by the 13 municipal drinking water systems that are the focus of the MRSP. This report highlights progress made towards implementing this plan, which contains policies to protect these 13 local drinking water sources, spread across two watersheds.

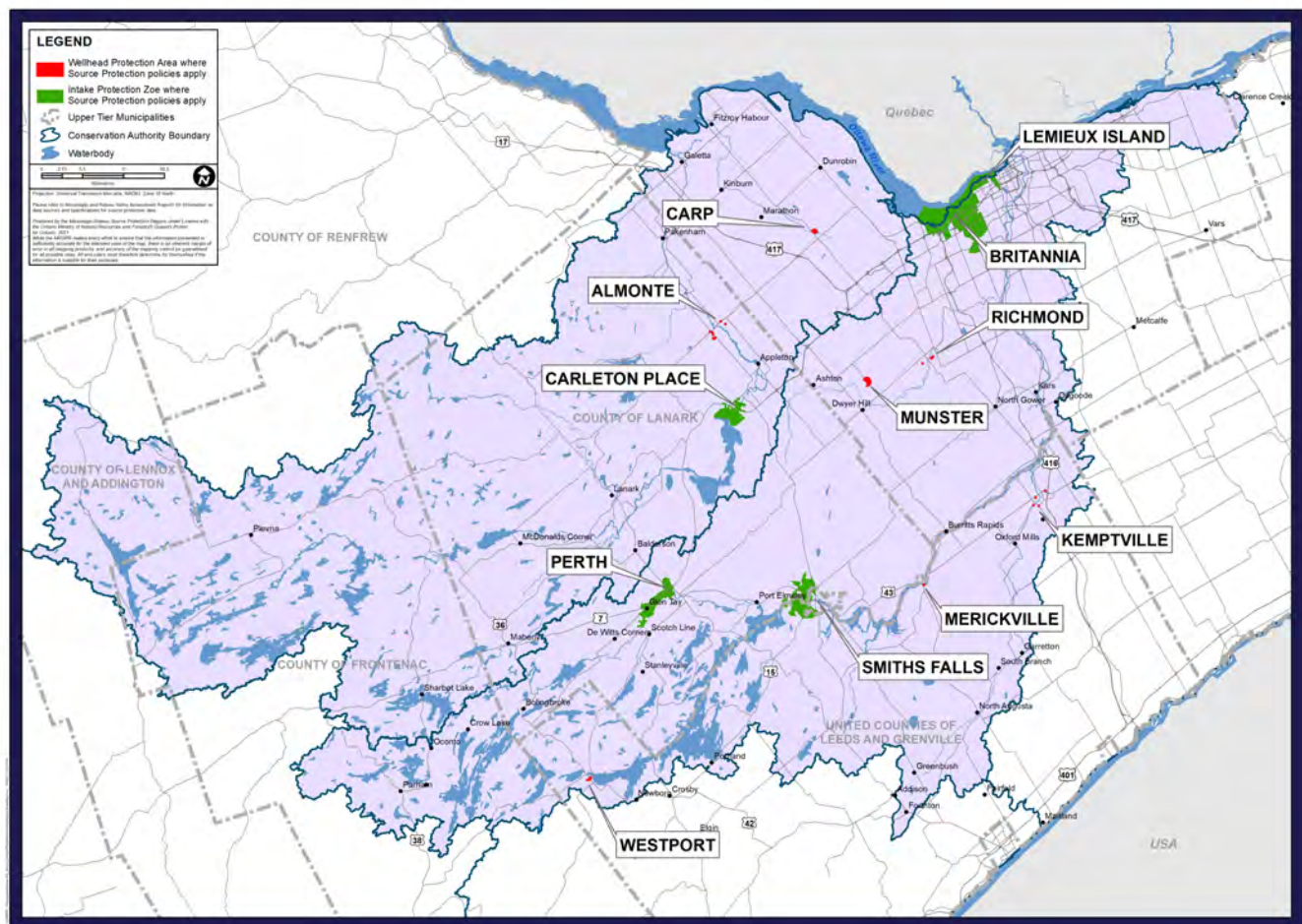


Figure 1: Mississippi-Rideau Source Protection Region

II. A message from your local Source Protection Committee

P : Progressing Well/On Target – The majority of the source protection plan policies have been implemented and/or are progressing.

Overall, the Source Protection Committee feels that implementation of Source Protection Plan policies is progressing well in the Mississippi-Rideau Region.

The Source Protection Committee met on April 7, 2022 to discuss the Annual Progress Report, which was provided to them prior to the meeting with the Agenda package. At the meeting, the Committee reviewed each item in the report, and agreed on a grade where needed. Each section was presented and discussed as questions or comments arose. Following the review of each section, the Committee completed the overall progress score for the reporting period. Committee members also had an opportunity to provide written comments, if desired, to staff.

III. Our Watershed

To learn more, please read our assessment reports and source protection plan.

The Mississippi-Rideau Source Protection Region is made up of two Source Protection Areas: the Mississippi Valley Source Protection Area; made up of the lands that drain into the Mississippi River (called the Mississippi watershed) and the Rideau Valley Source Protection Area; made up of the lands that drain into the Rideau River (the Rideau watershed). All or part of 31 municipalities fall within the Mississippi-Rideau Source Protection Region. About three-quarters of the population of the Mississippi-Rideau Region live in an area that is serviced by the 13 municipal drinking water systems which are the focus of the Mississippi-Rideau Source Protection Plan. These 13 drinking water systems serve communities across the Region, and are divided into eight municipal wells (taking water from the ground), and five surface water systems (taking water from local rivers):

Groundwater Systems

- Almonte
- Munster
- Carp
- Richmond (King's Park)
- Kemptville
- Richmond (W. Dev lands)
- Merrickville
- Westport

Surface Water Systems

- Carleton Place
- Smiths Falls
- Perth
- Ottawa (Lemieux)
- Ottawa (Brittania)

To develop the Source Protection Plan, a local committee with multiple stakeholders was created to oversee the source protection program and to guide its content. This committee includes members representing municipalities in the region, the agricultural community, industry, government and non-governmental organizations, as well as members of the public. It is supported by the two Conservation Authority's Board of Directors, which is referred to as the "Source Protection Authority", when completing source protection work. Source Protection focuses on protecting rivers, lakes and groundwater where they supply drinking water systems that serve villages, towns and cities. This work is going on locally in 19 source protection regions and areas across Ontario.

Between 2006 and 2012, studies were completed to help find out where the water for these systems was most vulnerable, by mapping areas around water treatment plant intake pipes (Intake Protection Zones or IPZs) and around municipal wells (Wellhead Protection Areas or WHPAs) to show where water comes from, how quickly it gets there, and how vulnerable it is to contamination or overuse. These areas are the focus of where policies in the Source Protection Plan apply today, to protect the sources of the 13 drinking water systems. Policies

include prohibiting a few high-risk activities, requirements for risk management plans, the use of existing or amended approval processes, and education and outreach to encourage voluntary good practices.

Highly vulnerable aquifers (HVAs), where soil is thin or absent and underlying bedrock contains large cuts and gaps characterize 89% of the region. Moreover, approximately 13% of the region is characterized as Significant Groundwater Recharge Area, where there are gravel deposits or soil features that allow a significant amount of rain and snowmelt to move down into the groundwater. In these areas, there are policies encouraging the wise use of road salt, promoting best management practices through education and outreach, and policies aimed at managing waste disposal sites.

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

1. Source Protection Plan Policies

P: Progressing Well/On Target

There are 50 significant threat policies in the Mississippi-Rideau Source Protection Plan. These policies either prohibit or manage activities. 45 of the policies that address significant drinking water threats have been implemented (90%); 4 are still in progress (8%); and 1 of the significant threat policies is not applicable (2%). In 2021, there has been no change in significant threat policy implementation.

There are 6 moderate-low threat policies in the Mississippi-Rideau Source Protection Plan. These policies relate to things like salt or waste disposal sites in some areas. 5 of the policies that address moderate-low drinking water threats have been implemented (83%), a 17% increase from the 2020 annual report, and 1 is in progress (17%).

As a result of policies being continually implemented in our region, approximately 93% of existing significant drinking water threats on the landscape have been addressed (i.e., eliminated or managed). We are on track to address all 100% existing significant threats to our sources of drinking water.

2. Municipal Progress: Addressing Risks on the Ground

In the Mississippi-Rideau Source Protection Region, 15 municipalities have vulnerable areas where significant drinking water threat policies are included in the SPP. Legally binding policies apply to portions of Wellhead Protection Areas or Intake Protection Zones.

P: Progressing Well/On Target

Municipalities work to ensure that their day-to-day planning decisions conform with the source protection plan policies. All municipalities in our source protection region have processes in place to ensure that their day-to-day decisions conform with our source protection plans.

Municipalities regulate development through their powers under the Planning Act. Updating the Official Plan and Zoning By-Laws tools will help to ensure that decisions on planning matters are consistent with Source Protection Plan policies.

In our Source Protection Region, municipalities are required to update their Official Plans either before, or during their next five-year review after January 1, 2015. Zoning By-Laws must be updated within three years of the Official Plan amendments.

In the Mississippi-Rideau Region, all municipalities have completed or are in the process of completing their Official Plan amendments, and 11 have completed or are in the process of completing their Zoning By-Law amendments.

3. Septic Inspections

When an on-site sewage system is functioning properly, contaminants from the system are greatly reduced or eliminated. A key part of protecting drinking water is therefore accomplished through the Mandatory On-Site Sewage System Maintenance Inspection Program. Through inspections, this program ensures that on-site sewage systems are functioning properly where they are considered a significant drinking water threat.

S: Satisfactory

Where they are a significant drinking water threat, on-site sewage systems must be inspected once every five years in accordance with the Ontario Building Code's mandatory septic inspection program.

100% of on-site sewage systems identified as a significant threat have been inspected in the first 5 year cycle in accordance with the Ontario Building Code, and minor maintenance work was completed where required. 2021 began the second 5 year cycle and 1 of 2 mandatory on-site sewage systems inspections were completed. 1 inspection is still required. The completed inspection found the system to be functioning as required.

4. Risk Management Plans

A Risk Management Plan is a document that outlines the actions required to address an activity that has the potential to contaminate drinking water. These actions manage the risk associated with the activity so that drinking water is better protected. A Risk Management Official works with the person to decide on the components of the Risk Management Plan. There are currently five Risk Management Officials in the Mississippi-Rideau Region, four of these work at the Conservation Authorities and one works at the City of Ottawa. In the region, all municipalities except for the City of Ottawa have delegated risk management responsibilities to the Conservation Authorities.

S: Satisfactory

Since the SPP took effect, a total of 48 Risk Management Plans have been established in the Mississippi-Rideau Region with 7 Risk Management Plans being established this reporting period. In 2021, 15 inspections were carried out within the Region. These inspections were initial inspections to establish a Risk Management Plan, follow up inspections for already established Risk Management Plans, as well as inspections to verify potential additional threats. There have been no cases of non-compliance with established Risk Management Plans observed to date.

There are 8 parcels remaining that require risk management.

For fuel and chemical handling or storage, Risk Management Plans look to address preventative maintenance, monitoring, spills response knowledge and information. For agricultural sites, they look to document existing best management practices, or work with persons to implement best management practices in a practical way.

5. Provincial Progress: Addressing Risks on the Ground

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 three years to complete the review and make any necessary changes. The Ministries have completed this review for previously issued provincial approvals. Processes have been developed and implemented to screen new provincial approvals within vulnerable areas and are reported on annually.

P: Progressing Well/On Target

In the Mississippi-Rideau Region, there were 95 previously issued provincial approvals identified that required review.

All of these have been reviewed, for conformity to our Source Protection Plan. Only 2 Prescribed Instruments were amended or replaced because of the conformity exercises as described above. In 2021, 14 wastewater and sewage works applications were screened in our Region for Source Water Protection Policies.

6. Source Protection Awareness and Change in Behaviour

A total of 63 Drinking Water Protection Zone signs have been installed in the Mississippi-Rideau Source Protection Region along municipal and county roads to mark the 13 drinking water systems in the Source Protection Plan. A total of 9 Drinking Water Protection Zone signs have been installed in the Mississippi-Rideau Source Protection Region along provincial roads. These signs alert travelers to the vulnerable areas and some direct them to our website for more information. The signs are intended to encourage good stewardship practices and prompt spill reporting and response. They increase local knowledge of the wellhead protection areas and intake protection zones and can act to raise general awareness of the vulnerable areas by pointing travelers to the source protection region website.

A comprehensive education and outreach program, 'Living in the Zone', has been developed. This includes resources on the Source Protection Region website. There is a public mapping tool available on the website to help the public learn where vulnerable areas are and link them to policy information and regular email updates are provided to subscribers to our Mississippi-Rideau Source Protection Region. Social media campaigns are frequently posted by the Rideau Valley Conservation Authority to raise awareness on protecting drinking water.

7. Source Protection Plan Policies: Summary of Delays

Overall, policy implementation is Progressing Well in our region. Some policy tools are challenging to implement, and require significant time to build relationships with landowners, business operators, and other key individuals across the region. In particular, the policies that require negotiation of Risk Management Plans with individuals have been challenging to implement. Progress has been made to identify properties that require risk management plans, refine threat numbers and identify sites that do not require plans at this time. Some Risk Management Plans for existing activities are not yet complete, and staff are working hard to finish all required plans across the Region at identified properties, however additional time is required to complete this work. The risk management program is still new and managing activities in this way requires trust and relationship building between staff and affected landowners. There must be consideration for the type and extent of risk management measures asked, as well as their feasibility for individuals to complete. Provincial funding previously offered assistance with implementing risk management programs. However, this funding was not renewed, resulting in additional pressures on our small municipalities to fund the Risk Management Office. Fortunately, we have had success leveraging existing incentive programs offered by our Conservation Authorities.

Risk management staff at the Conservation Authorities have worked to implement policies, and 48 risk management plans are in place. Over the last few years, staff developed a practical and straightforward approach to implement risk management plans, focusing on best management practices and spills response. As of 2021, 8 parcels still require risk management. There have been some challenges with a few non-responsive landowners within the Source Protection Region which has proven to be difficult. The SPA is currently exploring possible updates to policy, legal options and alternatives to address these conflicts. For agricultural sites, existing incentive programs have supported risk management staff, who will continue to work to manage remaining threats.

Additionally, due to the COVID-19 pandemic, landowners have asked for extensions and flexibility with Risk Management Plan requirements due to personal hardships as a result of the ongoing pandemic. The COVID-19 pandemic has also exacerbated municipal budgets, therefore items earmarked for completion on their Source Water agenda for 2021 have been put on hold.

8. Source Water Quality: Monitoring and Actions

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

9. Science-based Assessment Reports: Work Plans

No work plans were required to be implemented for our assessment reports.

10. More from the Watershed

Feedback from stakeholders and partners is an important part of the Source Protection program. Municipalities in our Source Protection Region brought several points of view to the attention of Source Protection Staff during this reporting period.

Guidance to assist with: municipal use of the application screening tool, municipal use of the highly vulnerable aquifer and significant groundwater recharge area mapping in practical way, implementing land-use planning policies, such as Zoning By-Laws and protecting communal, privately owned drinking water systems and well clusters.

Feedback also suggested that technical studies be kept up to date to assist in determining appropriate policy updates, with suggested policy updates such as: formal inclusion of low impact development and consideration of evolving climate and changing circumstances such as by including rare events (ice storm, drought, flash floods and spread of contaminants).

For more information on Drinking Water Source Protection and the Mississippi-Rideau Source Protection Region, please visit www.mrsourcewater.ca.



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	
10	True	As applicable to your source protection region/area, indicate if all relevant implementing bodies submitted a status update/annual report to the source protection authority for the previous reporting year. If "No" is selected for any implementing body(ies), then please complete the Comments field below with details including the name of the specific implementing body along with an explanation, if available, for not submitting a status update/annual report as required by a monitoring policy. *NOTE: Where a listed implementing body(ies) is not applicable/relevant to your source protection region/area, then simply select "No" and explain that it is not an applicable implementing body in your source protection region/area in the Comments field text box.	
Response			Answer
Risk Management Official			Yes
Municipality			Yes
Conservation Authority			Yes
Local Health Unit			Yes
MECP - Waste Disposal Sites - Landfilling and Storage			Yes
MECP - Wastewater/Sewage Works			Yes
MECP - Pesticides			Yes
MECP - Hauled Sewage/Biosolids			Yes
MECP - Permit to Take Water			Yes
MECP - Municipal Residential Drinking Water Systems			Yes
MECP - Source Protection			Yes
MECP - Waste Disposal Sites - Landfilling and Storage Inspections			Yes
MECP - Wastewater/Sewage Works Inspections			Yes
MECP - Conditions Sites			Yes
MECP - NMA - ASM and NASM Inspections			Yes
OMAFRA			Yes
MNRF			Yes
MTO			Yes
MMAH			Yes
MGCS-TSSA			Yes
MENDM			Yes



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Provincial Board/Commission	No
Federal Departments/Agencies/Commissions/Crown Corporations	No
Private Entity/Company	No
Association/Organization	No
MECP - Hauled Sewage/Biosolids Inspections	Yes
MECP - Permit to Take Water Inspections	Yes
MECP - Municipal Residential Drinking Water Systems Inspections	Yes
MECP - Environmental Monitoring	Yes
MECP - Fuel	Yes
MECP - Great Lakes	Yes
MECP - Spills Response	Yes
MECP - Wells	Yes

Comment: If "no" is selected, the implementing body was not required to submit an annual report.



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Category
20	True	Did the Source Protection Authority (i) indicate the status of all threat policies as contained in their source protection plan by using one of the two options outlined in the guidance document (ID 20a) AND (ii) either provide details in the response field text box in section 2 for policies with a "No Progress Made" and "No information available/no response received" implementation status OR complete the table as part of reportable ID 20b in the Excel Workbook for those policies with a "No Progress Made" and "No information available/no response received" implementation status (only if also submitting the Excel Workbook), especially for legally-binding policies that address significant drinking water threat activities and for any moderate/low threat policies that use prescribed instruments and Planning Act tools. Please refer to the instructions provided for EAR Reportable ID 20 in the Guidance document which can be found in the FAQ section of the EAR online tool.	Implementation status of source protection plan policies

Answer: Yes

Comment:

Report Id	Completed	Question	Current Year	Cumulative Count
30	True	Number of risk management plans agreed to or established within the source protection area/region (to address existing and future threats) in this reporting period (i.e., annual total).	7	48
Provincial Total			7	48

Comment:



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Current Year	Cumulative Count
31	True	Number of properties (i.e., parcels) with risk management plans agreed to or established in this reporting period.	7	51
Provincial Total			7	51
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
32	True	How many existing* significant drinking water threats have been managed through the established risk management plans in this reporting period (* meaning engaged in OR enumerated as existing significant threats)?	7	52
Provincial Total			7	52
Comment:				

Report Id	Completed	Question	Category
33	True	If known, please state the percentage of risk management plans that have been established to date in relation to the ones still needed/pending to manage EXISTING significant drinking water threat activities. [OPTIONAL]: You may also include a description of the effort and time dedicated to getting the risk management plans in place in the Comments field.	Part IV (Sections 57, 58 & Section 59)
Answer:	86		
Comment:			
	8 RMPs outstanding 48 negotiated 48/56 = 86%		



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Category
34	True	Since their establishment, were any risk management plans cancelled within the source protection region/area because of updates or amendments or other changes? If yes, please state how many. If no, please enter "0". Note: This count should be the cumulative count of all risk management plans that have been cancelled over any of the previous reporting years. See guidance for more details.	Part IV (Sections 57, 58 & Section 59)
Answer:		0	

Comment:

Report Id	Completed	Question
40	True	How many section 59 notices were issued in this reporting period for activities to which neither a prohibition (section 57) nor a risk management plan (section 58) policy applied, as per ss. 59(2)(a) of the Clean Water Act?

Current Year	Cumulative Count
0	2
0	2

Provincial Total

Comment:

Report Id	Completed	Question
41	True	How many section 59 notices were issued in this reporting period for activities to which a risk management plan (section 58) policy applied, as per ss. 59(2)(b) of the Clean Water Act?

Current Year	Cumulative Count
0	0
0	0

Provincial Total

Comment:



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Current Year	Cumulative Count
50	True	For the purposes of section 61 of O. Reg. 287/07, how many notices and/or copies of prescribed instruments that state the prescribed instrument conforms with the significant drinking water threat policies in the source protection plan (i.e., statement of conformity confirms the instrument holder is exempt from requiring a risk management plan) did the risk management official receive in this reporting period?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Category
60	True	Provide a brief overview of inspections that were carried out for activities that are prohibited under section 57 or require a risk management plan under section 58 of the Clean Water Act. You may wish to include a brief summary of inspection results and an overall indication of compliance. If no inspections were conducted in the previous calendar year, please explain. [OPTIONAL]: If you wish to share any insights or feedback about the compliance process in general, please do so.	Part IV (Sections 57, 58 & Section 59)
Answer:		Inspections were carried out in 2021 for activities that require a risk management plan under Section 58 of the Clean Water Act to establish risk management plans and to follow up on already established risk management plans. Inspections were successful and properties were found to be in compliance.	
Comment:			



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question				
61	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities (existing or future) that are prohibited under section 57 of the Clean Water Act in this reporting period.				
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Comment:						

Report Id	Completed	Question				
62	True	Among the inspections conducted for section 57, how many showed that activities were taking place on the landscape even though they were prohibited (i.e., in contravention) under section 57 of the Clean Water Act in this reporting period?				
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Comment:						

Report Id	Completed	Question				
70	True	How many existing significant drinking water threats have been prohibited as a result of section 57 prohibitions in this reporting period?				
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Provincial Total		<table border="1"> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	0	0		
0	0					
Comment:						



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Current Year	Cumulative Count
80	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities that require a risk management plan under section 58 of the Clean Water Act in this reporting period.	15	97
Provincial Total			15	97
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
81	True	Among the inspections conducted for section 58, how many were in contravention with section 58 of the Clean Water Act in this reporting period (i.e., person engaging in a drinking water threat activity without a risk management plan as required by the source protection plan)?	0	0
Provincial Total			0	0
Comment:				



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question	Current Year	Cumulative Count
82	True	Among the inspections for section 58, how many were in non-compliance with the specific contents of the risk management plan in this reporting period? (NOTE: Please only include those inspections that showed non-compliance with measures/conditions to manage the actual threat activity.)	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
83	True	State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 57 in this reporting period.	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
84	True	State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 58 in this reporting period.	0	1
Provincial Total			0	1
Comment:				



Source Water Protection Annual Report

2021 - Supplemental Form

SPR - Mississippi - Rideau

Report Id	Completed	Question						
85	True	State the total number of orders issued for contraventions and/or non-compliance found with section 57 in this reporting period.						
<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>			Current Year	Cumulative Count	0	0	0	0
Current Year	Cumulative Count							
0	0							
0	0							
Provincial Total								
Comment:								

Report Id	Completed	Question						
86	True	State the total number of orders issued for contraventions and/or non-compliance found with section 58 in this reporting period.						
<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>			Current Year	Cumulative Count	0	0	0	0
Current Year	Cumulative Count							
0	0							
0	0							
Provincial Total								
Comment:								



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Report Id Completed Question

220 True List the municipality(ies) (including upper-, lower-, and single-tier) within the source protection region/area that are required to complete Official Plan and Zoning by-law conformity exercises for source protection and indicate the status of those exercises for each listed municipality. *NOTE: Applies to every municipality affected by land use planning or Part IV type policies. Where the official plan and/or zoning by-law status for any particular municipality needs to be changed/updated, then please do so by deleting the entry for that particular municipality by clicking on the red “-“ (minus) sign and then re-select the municipality name from the drop down list of municipalities followed by selecting the updated status of the conformity exercise for the official plan and zoning by-law from the drop down list for that particular municipality. After doing so, please be sure to add the municipality as your response by clicking on the green plus sign.

Municipality	Official Plan	Zoning By Law
Town of Carleton Place	Completed	Completed
Town of Mississippi Mills	Completed	Completed
Town of Perth	Completed	Completed
Township of Beckwith	Completed	Completed
Township of Drummond/North Elmsley	Completed	Completed
Township of Montague	Completed	Completed
Township of Tay Valley	Completed	Completed
City of Ottawa	Completed	In Progress/Updates Underway
Municipality of North Grenville	Completed	In Progress/Updates Underway
Town of Smiths Falls	Completed	In Progress/Updates Underway
Village of Westport	Completed	In Progress/Updates Underway
Lanark, County of	Completed	Not Applicable
Leeds and Grenville, United Counties of	Completed	Not Applicable
Village of Merrickville-Wolford	Completed	Not Started
Township of Rideau Lakes	In Progress/Updates Underway	Not Started

Comment:



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Report Id	Completed	Question	Current Year	Cumulative Count
240	True	State the number of source water protection signs installed on provincial highways in the source protection region/area in this reporting period.	0	9
Provincial Total			0	9
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
241	True	State the number of source water protection signs installed on municipal roads in the source protection region/area in this reporting period.	0	63
Provincial Total			0	63
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
242	True	State the number of source water protection signs installed at other locations (if applicable) in the source protection region/area in this reporting period.	0	0
Provincial Total			0	0
Comment:				



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Report Id	Completed	Question	Category
260	True	Current total overall number of on-site sewage systems that are assessed as significant drinking water threat activities and that are required to be inspected every five years in accordance with the Ontario Building Code.	Sewage System Inspections
Answer:		2	
Comment:			

Report Id	Completed	Question	Category
261	True	Of those requiring inspections, how many inspections of on-site sewage systems were due to be carried out in this reporting period? If not applicable or no inspections of on-site sewage systems were due to be carried out in this reporting period because they were already inspected earlier within the inspection cycle or will be inspected in a future year within the cycle, then please enter "0" and state either explanation in the comment field.	Sewage System Inspections
Answer:		2	
Comment:			

Report Id	Completed	Question	Category
262	True	How many on-site sewage system inspections were completed in this reporting period?	Sewage System Inspections
Answer:		1	
Comment:			



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Report Id	Completed	Question	Current Year	Cumulative Count
263	True	How many of the inspected on-site sewage systems required minor maintenance work in this reporting period?	0	2
Provincial Total			0	2
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
264	True	How many of the inspected on-site sewage systems required major maintenance work (e.g., tank replacement, etc.) in this reporting period?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Category
265	True	How many of the inspected on-site sewage systems required no maintenance work?	Sewage System Inspections
Answer:	1		
Comment:			



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Report Id	Completed	Question	
266	True	For those on-site sewage systems that were not inspected in this reporting period but should have been inspected, and are now out of compliance, please indicate why they were not all inspected from among the reasons below. [Note: For municipalities that have not yet initiated the mandatory on-site sewage system inspection program, please see the next reportable to provide your response if this is the case].	
		Response	Answer
		landowner refused entry, compliance order being sought	No
		other. Please specify in the comment box below.	Yes
		inspections delayed/postponed due to COVID-19 restrictions	No
		vulnerable area changed and on-site sewage system(s) no longer a threat activity	No
Comment: The Health Unit who carries out the inspections has not received a maintenance inspection application yet to date.			



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Report Id	Completed	Question	Category
267	True	If applicable, please indicate if any municipality(ies) has not yet established or initiated the mandatory on-site sewage system inspection program (i.e., the first inspection cycle) in your source protection region/area. As part of your response, please indicate the name of the municipality(ies), the reason(s) for not yet initiating the mandatory on-site sewage inspection program (if known) and the steps that have been taken to ensure compliance with the mandatory inspection program.	Sewage System Inspections

Answer: Not applicable

Comment:

Report Id	Completed	Question
270	True	Complete the information below regarding environmental monitoring of drinking water issues identified in accordance with the Technical Rules within your source protection region/area. Begin by selecting the drinking water system, the specific well or intake, the drinking water issue, the delineation status, and the observation of the concentration. [OPTIONAL]: In the comments field, describe any actions or behavioural changes that might be contributing to reported changes in the concentration of the issue or parameter. Where the drinking water issue, well or intake, delineation status, or observation of any previously listed drinking water system needs to be changed/updated, then please do so by deleting the entry for that particular drinking water system by clicking on the red minus sign on the right side of the entry and then re-select the drinking water system from the dropdown list of drinking water systems followed by selecting the associated well or intake, the drinking water issue, its delineation status, and the observation from the dropdown list for that particular drinking water system. After doing so, please be sure to add the drinking water system as your response by clicking on the green plus sign on the right side of the entry. If this reportable is not applicable to your source protection region/area, please indicate as such by choosing "No system with issues," "Not Known/Available," "No issue," "Not applicable," and "No observation," respectively, under the drop down menu options under each of the categories of this reportable. Do not leave blank.

DWIS Number	DWIS Name	Issue	ICA Delinated	Observation
	-- No system with issues --	-- No Issue --	--Not Applicable --	-- No Observation --

Comment:



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Report Id Completed Question

280 True How many notices about transport pathways (meaning a condition of land resulting from human activity (e.g., pits and quarries, improperly abandoned wells, geothermal system, etc.) that increases the vulnerability of a raw water supply of a drinking water system) did the source protection authority receive from municipalities in this reporting period (as per O. Reg. 287/07, ss. 27(3))?

Current Year Cumulative Count

1 3

Provincial Total

1 3

Comment:



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Report Id	Completed	Question	
281	True	Where transport pathway notices were received, indicate the action(s) taken by the source protection region/area in response to receiving these notices:	
Response			Answer
Provided information to municipalities about changes in vulnerability			No
Provided notice to Source Protection Committee for information			No
Situation continues to be monitored			No
Comment: One notification for a transport pathway was received in 2021. The zoning by-law amendment to rezone a property to allow for the use of the site as an aggregate extraction site, creating the transport pathway, was refused by the municipality.			



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Report Id	Completed	Question	
300	True	[OPTIONAL]: If and where there are successful examples for each of the following initiatives in the source protection region/area (including from local municipalities, residents and businesses) that occurred in this reporting period that the authority wishes to highlight, then please indicate in the Comments field below. In your comments, please include details for each of the selected topics. Please limit the descriptions provided (e.g., one example for each topic or more could be included when the source protection authority feels they are exceptional/quite successful).	
		Response	Answer
		Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	No
		Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	No
		Stewardship Programs	No
		Best Management Practices	No
		Pilot Programs	No
		Research	No
		Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	No
		Climate Change (e.g., data collection)	No
		Spill prevention/spill contingency/emergency response plan updates	No
		Transport pathways	No
		Water quantity	No
		Great Lakes	No
		Other policies (i.e., strategic action, etc.)	No
		Comment: This optional question was not answered in the previous reporting period.	



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Report Id Completed Question

305 True Complete the table below with the count data for each significant drinking water threat activity/local threat activity/condition being engaged in (i.e., enumerated as 'existing' significant threats) at the time of source protection plan approval or approval of amendments that include new / changing protection zones. Please use the best available information/desktop exercises, reports from Risk Management Officials, and other implementing bodies to provide the counts below. For convenience, the count data from the previous reporting year have been copied over, but please be sure to review, edit, and confirm the counts for accuracy in the table below. *NOTE: SPAs are strongly encouraged to refer to the Guidance document for additional details and instructions on completing this table.

ThreatId	Threat	A	B	C	D
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	0	0	0	0
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	130	0	0	130
3	The application of agricultural source material to land.	14	21	29	5
4	The storage of agricultural source material.	42	0	37	4
5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	0	0	0	0
7	The handling and storage of non-agricultural source material.	0	0	0	0
8	The application of commercial fertilizer to land.	0	0	0	0
9	The handling and storage of commercial fertilizer.	1	0	1	0
10	The application of pesticide to land.	32	0	0	32
11	The handling and storage of pesticide.	5	0	5	0
12	The application of road salt.	37	0	0	37



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13	The handling and storage of road salt.	0	0	0	0
14	The storage of snow.	18	0	18	0
15	The handling and storage of fuel.	129	0	111	13
16	The handling and storage of a dense non-aqueous phase liquid.	2	30	0	22
17	The handling and storage of an organic solvent.	2	0	2	0
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0
20	Reducing recharge of an aquifer	0	0	0	0
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	45	0	34	10
22	The establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0
1000	Water conditioning salts from water softeners	0	0	0	0
1001	Transportation of specified substances along corridors	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	0	0	0	0
1003	Handling storage of fuel	0	0	0	0
1004	Transportation, storage and handling of diesel/gasoline	0	0	0	0
1005	Transportation of Agricultural and Non-Agricultural Source Materials	0	0	0	0
1006	International Shipping Channel within IPZ2	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0



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1009	Waterfowl			0	0	0	0
1010	Local condition			0	0	0	0
	253	271		Totals:	457	51	237
							253

Comment: 9 outstanding threat activities, 8 RMPs outstanding.

MECP Calc D/(A+B-C): 93 %

Report Id	Completed	Question	Category
310	True	Please provide comments below to explain the overall progress made in addressing these significant threats and include the percentage of overall progress made within the comments provided. The percentage of overall progress made in addressing local threats and conditions that are taking place on the landscape is determined by taking the total number in column D (i.e., significant drinking water threat addressed because policy is implemented) from the table in reportable ID 305 and dividing it by the number that is derived by adding the total numbers in columns A and B and then subtracting this sum total from the total in column C. In other words, overall progress made = D/(A plus B minus C).	Addressing existing enumerated threats
Answer:		<p>The overall progress in addressing these significant threats since Source Protection Plan implementation is 93%. Progress has been made by implementing bodies managing threat activities, verifying and removing threats where needed in the Mississippi-Rideau Region.</p> <p>Many potential threats were removed around the time of Source Protection Plan approval by staff through a combination of field and GIS verification, including the storage of snow and commercial fertilizer, and the organic solvent threats.</p> <p>Threats remaining to be managed (9) for application and storage of agricultural source material, the handling and storage of fuel, grazing and pasturing and dense non-aqueous phase liquids represent threats that remain to be managed by risk management plans.</p>	
Comment:			



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Report Id	Completed	Question	Category
320	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	

Comment:

Report Id	Completed	Question	Category
321	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	

Comment:

Report Id	Completed	Question	Category
322	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 116: Issue Contributing Area not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	

Comment:



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Report Id	Completed	Question	Category
330	True	Does the source protection authority have any other item(s) on which it wishes to report? If so, please explain.	Other reporting items
Answer:		<p>Feedback from stakeholders and partners is an important part of the Source Protection program. Municipalities in our Source Protection Region brought several points of view to the attention of Source Protection Staff during this reporting period. Municipal implementation was well supported overall.</p> <p>Feedback discussed incorporating more flexibility into the plan and providing guidelines for when and how municipalities should follow policies that may not have been applicable in prior years. Municipalities were in favor of considering evolving climate and changing circumstances such as by including rare events (ice storm, drought, flash floods and spread of contaminants).</p> <p>It was recommended that technical studies should be kept up to date to assist in determining appropriate policy updates. Added clarity on how municipalities can use mapping of highly vulnerable aquifers and significant groundwater recharge areas in practical ways would be beneficial.</p> <p>Some municipalities also indicated they would be interested in guidance and recommended policies to protect communal, privately owned drinking water systems, well clusters, and private wells in rural areas as well as resources to assist with implementing land-use planning policies, such as example Zoning By-Laws and additional resources for using the application screening tool.</p>	

Comment:

Report Id	Completed	Question	Category
340	True	What positive outcomes (e.g., less water consumption, changes in behaviour, reduction in phosphorus and nitrogen concentrations, less chloride from road salt, reduction in algal blooms, human health protected, etc.), if any, have potentially resulted from the implementation of source protection plan policies? Please describe the outcomes below.	Source protection outcomes
Answer:		<p>Source Protection Plan policies aim to incite a variety of positive outcomes. The education and outreach policies target many water quality issues for homeowners, focusing on day to day actions and awareness of water quality. Monitoring policies require implementing bodies to stay engaged and participate in the implementation process. Non-legally binding policies provide guidance and suggestions to municipalities and other implementing bodies resulting in good discussions, considerations and could lead to permanent change. Legally binding policies such as those using Prescribed Instruments, Risk Management Plans or land-use planning can also lead to positive outcomes described above, particularly by educating stakeholders.</p>	

Comment:



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Report Id	Completed	Question		
350	True	In the opinion of the Source Protection Committee, to what extent have the objectives of the source protection plan been achieved in this reporting period?		
		Response		Answer
		Progressing Well/On Target - The majority of the source protection plan policies have been implemented and/or are progressing well		Yes
		Satisfactory - Some of the source protection plan policies have been implemented and/or are progressing well		No
		Limited Progress made - A few of the source protection plan policies have been implemented and/or are progressing well		No
Comment:				



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Report Id	Completed	Question	Category
351	True	Please provide comments to explain how the Source Protection Committee arrived at its opinion. Include a summary of any discussions that might have been had amongst the Source Protection Committee members, especially where no consensus was reached.	Achievement of source protection plan objectives
Answer:		<p>Overall, the Source Protection Committee feels that implementation of Source Protection Plan policies is progressing well in the Mississippi-Rideau Region.</p> <p>The Source Protection Committee met on April 7, 2022 to discuss the Annual Progress Report, which was provided to them prior to the meeting with the Agenda package. At the meeting, the Committee reviewed each item in the report, and agreed on a grade where needed.</p> <p>Each section was presented and discussed as questions or comments arose. Following the review of each section, the Committee completed the overall progress score for the reporting period. Committee members also had an opportunity to provide written comments, if desired, to staff.</p>	
Comment:			