



**SOURCE PROTECTION AUTHORITY
ON-LINE VIDEO CONFERENCE
AND IN-PERSON MEETING**

**Niagara Peninsula Conservation Authority
Carolinian Hall
3350 Merrittville Hwy., Thorold ON**

**Friday, April 19, 2024
To Be Held Immediately After the 65th Annual General
Meeting**

A G E N D A

CALL TO ORDER

The Niagara Peninsula watershed is situated within the traditional territory of the Haudenosaunee, Attiwonderonk (Neutral), and the Anishinaabeg, including the Mississaugas of the Credit—many of whom continue to live and work here today. This territory is covered by the Upper Canada Treaties (No. 3, 4, and 381) and is within the land protected by the Dish with One Spoon Wampum agreement. Today, the watershed is home to many First Nations, Métis, and Inuit peoples. Through the 2021-2031 Strategic Plan, we re-confirm our commitment to shared stewardship of natural resources and deep appreciation of Indigenous culture and history in the watershed.

1. APPROVAL OF AGENDA

2. DECLARATIONS OF CONFLICT OF INTEREST

3. APPROVAL OF MINUTES

3.1. Approval of the Minutes of the Source Protection Authority meeting dated October 20, 2023

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4. CORRESPONDENCE

4.1. Letter from the Niagara Peninsula Source Protection Committee to the Ontario Minister of Health, the Ontario Minister of the Environment, Conservation and Parks, and the Ontario Minister of Agriculture, Food and Rural Affairs RE: 2023 Auditor General Report on Public Health Ontario Recommending Gradual Discontinuation of Free Private Drinking Water Testing.

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5. PRESENTATIONS

6. DELEGATIONS

7. CONSENT ITEMS

8. DISCUSSION ITEMS

**8.1. Report No. SPA-01-24: 2022 Drinking Water Source Protection Annual
Progress Reporting**

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9. NEW BUSINESS

10. CLOSED SESSION

11. ADJOURNMENT

**SOURCE PROTECTION AUTHORITY
ON-LINE VIDEO CONFERENCE AND
IN-PERSON MEETING**

**Ball's Falls Centre for Conservation
3292 Sixth Avenue, Jordan, ON
Friday, October 20, 2023, 9 a.m.**

MINUTES

CALL TO ORDER – ROLL CALL

MEMBERS PRESENT: R. Foster (Chair)
S. Beattie
D. Cridland
B. Grant
P. O'Neill
D. Huson
J. Metcalfe
M. Seaborn
M. Tadeson

REGRETS: B. Clark

STAFF PRESENT: C. Sharma, CAO / Secretary – Treasurer
A. Christie, Director, Conservation Areas
C. Coverdale, Business & Financial Analyst
J. Culp, Manager, Compliance & Enforcement
D. Deluce, Senior Manager Environmental Planning & Policy
L. Gagnon, Director, Corporate Services
L. Lee-Yates, Director, Planning and Development
S. Miller, Senior Manager, Infrastructure Engineering & Asset Management
A. Parks, Manager, Planning Ecology
T. Proks, Source Water Protection & Hydrogeology Specialist
K. Royer, Community Outreach and Engagement Specialist
G. Shaule, Administrative Assistant

The Chair called the meeting to order at 9:02 a.m.

1. DECLARATIONS OF CONFLICT OF INTEREST

2. APPROVAL OF AGENDA

- a) Approval of the Agenda of the Source Protection Authority Meeting dated October 20, 2023

Resolution No. SPA-07-2023

Moved by Stew Beattie
Seconded by Diana Huson

THAT the Agenda of the Source Protection Authority Meeting dated October 20, 2023 **BE APPROVED**

CARRIED

3. MINUTES

- a) Approval of the Minutes of the Source Protection Authority Meeting dated April 21, 2023

Resolution No. SPA-08-2023

Moved by Donna Cridland
Seconded by John Metcalfe

THAT Minutes of the Source Protection Authority Meeting dated April 21, 2023 **BE APPROVED**

CARRIED

4. CORRESPONDENCE

5. PRESENTATIONS

6. DELEGATIONS

7. CONSENT ITEMS

8. DISCUSSION ITEMS

9. NEW BUSINESS

10. CLOSED SESSION

- a) Report No. SPA-04-23 RE: SPC Member Appointment (Confidential Report – circulated under separate cover for Members only – for adoption in open session)

Resolution No. SPA-09-2023

Moved by Michelle Seaborn
Seconded by Mark Tadeson

THAT Report No. SPA-04-23 RE: SPC Member Appointment **BE ADOPTED** in open session.

THAT Report No. SPA-04-23 RE: SPC Member Appointment **BE RECEIVED** and hereafter **DEEMED** a public document.

THAT the Source Protection Authority **APPOINT** Ms. Terri Bulman to represent the Public-at-Large on the Niagara Peninsula Source Protection Committee for a term of 5 years.

CARRIED

11. ADJOURNMENT

The Source Protection Authority Meeting on October 20, 2023 was **ADJOURNED** at 9:08 a.m.

April 10, 2024

Hon. Sylvia Jones, Ontario Minister of Health

Hon. Andrea Khanjin, Ontario Minister of the Environment, Conservation and Parks

Hon. Lisa M. Thompson, Ontario Minister of Agriculture, Food and Rural Affairs

Via email: Sylvia.Jones@pc.ola.org
Andrea.Khanjin@pc.ola.org
Lisa.Thompson@pc.ola.org

RE: 2023 Auditor General Report on Public Health Ontario Recommending Gradual Discontinuation of Free Private Drinking Water Testing

Dear Ministers,

At the most recent Niagara Peninsula Source Protection Committee (SPC) meeting held on March 26, 2024, The Source Protection Committee (SPC) discussed the Ontario Auditor General's Value-for-Money Audit of Public Health Ontario released in December 2023. Recommendation 5 within the report states that Public Health Ontario (PHO), in conjunction with the Ministry of Health, update and implement a plan within 12 months to streamline public health laboratory operations:

https://www.auditor.on.ca/en/content/annualreports/arreports/en23/AR_publichealth_en23.pdf

As part of the recommendation, there is the suggestion in the report that the free private drinking water testing program that is provided by PHO be gradually discontinued. The discontinuation of this free program is of concern to the Niagara Peninsula SPC because it removes a free service available to those that don't benefit from legislated drinking water protections. The program provides valuable drinking water quality data to both researchers and the public. Discontinuation of the program would further disincentivize the testing of private drinking water systems, resulting in increased barriers to gathering valuable water quality data.

The SPC passed the following motions at the meeting held on March 26, 2024:

That the Source Protection Committee (SPC) DIRECT staff to draft correspondence requesting the Province not to proceed with the recommended phase out of the free drinking water testing program in Ontario;

And that the SPC circulate a copy of the correspondence to the Ontario Minister of Health, the Ontario Minister of the Environment, Conservation and Parks, the Ontario Minister of Agriculture, Food and Rural Affairs, and forward the letter to Niagara Region and all twelve of Niagara's lower-tier municipalities, the City of Hamilton, and Haldimand County.

The mandate of the SPC is to act as an independent multi-stakeholder committee with the goal of protecting our existing and future sources of drinking water. Despite private drinking water systems not being a part of that mandate, the SPC acts as stakeholders and professionals with a vested interest in the overall protection of all our drinking water sources. The PHO free private drinking water testing program has been a valuable resource to those that do not benefit from the protections and safeguards offered by the *Clean Water Act, 2006* and the *Safe Drinking Water Act, 2002*, in particular those in rural Ontario. The Province of Ontario, local municipalities and industry professionals have always recommended that that owners of private drinking water systems utilize the free drinking water testing program as a starting point.

Further to the obvious benefit the program provides, the data collected from the program has been valuable to researchers as well. Researchers have identified multiple areas across Southern Ontario that have statistically significant instances of bacterial contamination in private drinking water samples, including the Niagara Peninsula. While there are likely several factors contributing to Niagara's high instances of bacterial contamination in private drinking water samples including, improperly constructed/spaced private water supply wells, and improperly designed and/or compromised septic systems to name a few, this revelation was only made available using the data collected from the free drinking water testing program offered by PHO.

Lastly, the removal of the free testing program will further disincentivize the testing of private drinking water and introduce barriers to those that rely on the program to determine the quality of their water supply. The Province of Ontario recommends testing private drinking water systems frequently to ensure the water is suitable for potable use and points to the free testing program provided by PHO. While private drinking water wells typically dominate the discussion when it comes to private drinking water quality,

cistern users also utilized the PHO free testing program. By discontinuing the program, private drinking water users would have to pay for private drinking water testing services to obtain any information about their water quality. This unfortunately disincentivizes testing as well as introduces financial barriers to those struggling with the increasing costs of living. If users begin to test their drinking water infrequently or not at all, this will likely result in increased incidents of water-borne illnesses.

In summary, the Niagara Peninsula SPC is concerned that the discontinuation of the free drinking water testing program provided by PHO will ultimately have a negative impact on the residents that rely on it in Ontario. While efficiency may be gained by reducing the number of laboratories, another method of submitting private drinking water samples to remaining laboratories should be considered. For example, facilities that already send samples to provincial laboratories (hospitals, public health units) could be considered as drop-off points for private water samples thus making use of centrally coordinated courier services. The Niagara Peninsula SPC, through this letter, would respectfully request that those responsible for making these decisions reconsider the discontinuation of the very important private drinking water testing program provided by Public Health Ontario.

Thank you for your time and consideration of this request.

Sincerely,



Bill Hodgson
Chair
Niagara Peninsula Source Protection Committee

CC: Niagara Region
City of Hamilton
Haldimand County
Municipalities of Grimsby, Lincoln, St. Catharines, Niagara-on-the-Lake, West
Lincoln, Pelham, Thorold, Welland, Niagara Falls, Wainfleet, Port Colborne and
Fort Erie

REPORT TO: Source Protection Authority

SUBJECT: 2023 Drinking Water Source Protection Annual Progress Reporting

REPORT NO: SPA-01-24

DATE: April 19, 2024

Recommendation:

THAT Report No. SPA-01-24: 2023 Drinking Water Source Protection Annual Progress Reporting **BE RECEIVED**;

AND THAT the Source Protection Authority for the Niagara Peninsula Source Protection Area (NPSPA) **APPROVE** the following draft final report documents, herein attached as Appendices 1-3, to be submitted to the Ministry of the Environment, Conservation and Parks to meet the legislated reporting requirements;

1. NPSPA 2023 Drinking Water Source Protection (DWSP) Annual Progress Report;
2. NPSPA 2023 Policy Implementation Status Summary; and
3. NPSPA 2023 Supplemental Form.

AND FURTHER THAT the NPSPA 2023 Drinking Water Source Protection Annual Progress Report be **POSTED** on the Niagara Peninsula Source Protection Area website.

Purpose:

The 2023 Drinking Water Source Protection Annual Report documents are prepared using the Electronic Annual Reporting tool provided by the Ministry of Environment, Conservation and Parks. These documents are required under the Clean Water Act to summarize progress made in implementing the Source Protection Plan for 2023.

These documents, once approved by both the Source Protection Committee and the Source Protection Authority, are then required to be submitted to the Ministry of the Environment, Conservation and Parks by May 1, 2024. The Source Protection committee approved these documents at the meeting on March 24, 2024.

Background:

The Clean Water Act requires that implementing bodies, such as municipalities and the Ministry of the Environment, Conservation and Parks, report annually on the implementation of policies within the Source Protection Plan. Implementers provided this information to the Source Protection Authority staff by a combination of methods including email and phone.

The goal of annual reporting is to track and advise the public that the implementation of Source Protection Plans and their respective policies are protecting Ontario's municipal drinking water sources.

The requirement for annual progress reporting is established in the *Clean Water Act, 2006*. The Source Protection Authority is required to report using the Electronic Annual Reporting tool provided by the Ministry of the Environment, Conservation and Parks. Through the Electronic Annual Reporting tool, staff of the Source Protection Authority answer questions related to the implementation of the Source Protection Plan policies and then generate the following documents:

- I. NPSPA 2023 Drinking Water Source Protection Annual Progress Report – a report which is designed for the public and is to be posted on the Niagara Peninsula Source Protection Area website. It summarizes the progress made with respect to the implementation of the Source Protection Plan;
- II. NPSPA 2023 Policy Implementation Status Summary – a report which displays a summary of total policy implementation within the Niagara Peninsula Source Protection Area; and
- III. NPSPA 2023 Supplemental Form – a report which contains all the detailed information required by the Ministry of the Environment, Conservation and Parks as it pertains to 2023 Drinking Water Source Protection Annual Progress Reporting.

The completed reports are due to the Ministry of the Environment, Conservation and Parks by May 1, 2024, after which the NPSPA 2023 Annual Progress Report is to be made available to the public.

Discussion:

The 2023 Drinking Water Source Protection Annual Progress Reporting for the Niagara Peninsula Source Protection Area has progressed well. All the policies continue to be implemented, and all significant drinking water threats are addressed.

These reports were presented to the Source Protection Committee for review at their recent March 26, 2024 meeting. The Source Protection Committee received and

approved the information in these documents. Their comments were incorporated into the attached draft final reports. It is the Source Protection Committee’s opinion that based on the information provided, all the significant drinking water threats have been addressed and relative policies are implemented.

Related Reports and Appendices:

Appendix 1: NPSPA 2023 Drinking Water Source Protection Annual Progress Report

Appendix 2: NPSPA 2023 Policy Implementation Status Summary

Appendix 3: NPSPA 2023 Supplemental Form

Prepared by:

Original Signed by:

Thomas Proks, P.Geo.
Source Water Protection & Hydrogeology
Specialist

Reviewed by:

Original Signed by:

David Deluce, MCIP, RPP
Senior Manager, Environmental Planning &
Policy

Reviewed by:

Original Signed by:

Leilani Lee-Yates, MCIP, RPP
Director, Planning and Development
Interim Director, Watershed Strategies and
Climate Change

Submitted by:

Original Signed by:

Chandra Sharma, MCIP, RPP
CAO/Secretary-Treasurer

Source Protection Annual Progress Report

I. Introduction

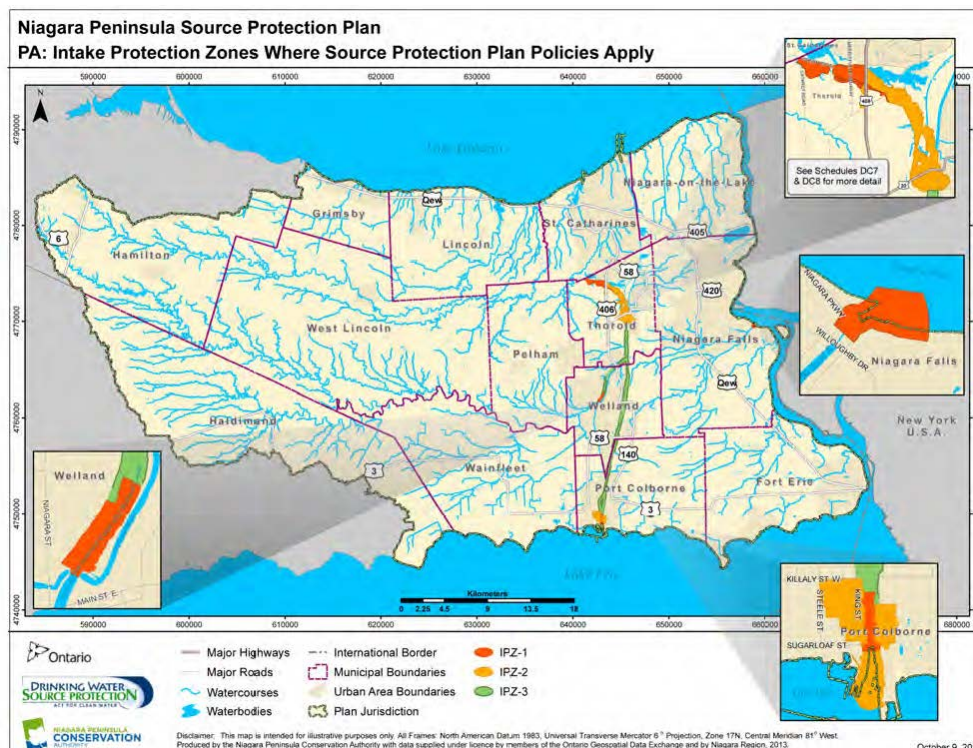
This annual progress report outlines the progress made in implementing our source protection plan for the Niagara Peninsula Source Protection Area, as required by the Clean Water Act and regulations.

The Niagara Peninsula Source Protection Plan was completed and approved by the province in December 2013. The Niagara Peninsula Source Protection Plan came into effect October 2014. The Plan is entirely implemented. The Source Protection Committee is now focused on updating and improving the Source Protection Plan.

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.

The Source Protection Committee states that based on the information provided that all of the significant drinking water threats have been addressed and all of the policies are implemented.



III. Our Watershed

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

The Niagara Peninsula Source Protection Area overlies the same jurisdiction as the Niagara Peninsula Conservation Authority. With an area of 2,430 square kilometers and over 450,000 residents, it is comprised of three major drainage areas; Lake Ontario, Lake Erie, and Niagara River (including Welland River) drainage areas. NPCA contains over 180 watersheds within these drainage areas, and 117 kilometers of Great Lakes shoreline.

NPCA is marked by several prominent physiographic features that have had a major effect on development in the area. These features include the Niagara Escarpment which runs east-west across the peninsula, the relatively flat Haldimand Clay Plain which dominates the central portion of the watershed, the Iroquois Shore Sand Plain along Lake Ontario, the Fonthill Kame-Delta Complex which contains the highest point in the peninsula, and the Onondaga Escarpment which runs east-west across the peninsula just north of the Lake Erie shoreline and is of relatively low topographical relief.

The soils in the large central portion of the peninsula are dominated by clays, silty clays, and silty clay loams, characteristic of the Haldimand Clay Plain. Sands and sandy loams are found extensively along the Lake Ontario shoreline. Wetlands include bogs, fens, swamps, and marshes and encompassing almost 10% of the watershed.

Land uses can have a significant impact on the water quality and quantity. Approximately 64% is agricultural, and about 21% is rural wooded or natural. The remaining 15% is considered urban. The main urban centres include St. Catharines, Niagara Falls, and Welland. Urban growth is expected to be greatest along the Welland Canal corridor particularly in the southern portion of the peninsula.

There are six municipal water treatment plants with surface water intakes which supply over 80% of the population. There are no municipal wells. The six water treatment plants that supply municipal drinking water to residents are: Welland, DeCew Falls, Port Colborne, Niagara Falls, Grimsby and Rosehill (Fort Erie). Only Grimsby is on Lake Ontario, the remainder are on Lake Erie or a connecting channel (Welland Canal or Niagara River).

Vulnerable areas known as Intake Protection Zones (IPZs) were delineated around each municipal water treatment plant intake. The source protection program focused on drinking water threats within these IPZs. Existing and potential future threats within these IPZs were ranked and significant threats identified for policy action under the Source Protection Plan. The Source Protection Committee chose also to include transportation, storage and handling of diesel and gasoline along the Welland Canal as significant drinking water threats requiring addressing under the Source Protection Plan.

The Source Protection Plan contains policies to address significant drinking water threats for four water treatment plants, Welland, DeCew Falls, Port Colborne and Niagara Falls. No significant drinking water threats were determined for Grimsby or Rosehill (Fort Erie).

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 have been implemented in accordance with the time lines set out in our source protection plan.

2. Municipal Progress: Addressing Risks on the Ground

There are a total of three (3) lower tier municipalities and one (1) upper-tier municipality in the source protection area that have vulnerable areas where significant drinking water threats apply. All three (3) of the lower tier municipalities (City of Thorold, City of Port Colborne, and City of Niagara Falls) have completed their Official Plan and Zoning By-law conformity exercises. The upper-tier municipality (Regional Municipality of Niagara) has also updated their Official Plan conformity exercise, however, the upper-tier municipality has no Zoning By-laws.

3. Septic Inspections

Not applicable to our source protection area.

4. Risk Management Plans

P : - Progressing Well/On Target

Since 2016, the Risk Management Official was able to dismiss 9 of the 24 potentially significant drinking water threats in the vicinity of the DeCew Falls IPZs identified in the Assessment Report. The remaining 15 significant drinking water threats are being managed under the required risk management plans.

5. Provincial Progress: Addressing Risks on the Ground

Several Ministries in Ontario are reviewing applications for new or amended and previously issued provincial approvals (e.g., Environmental Compliance Approvals issued under the Environmental Protection Act) where they have been identified as a tool in our plan to address activities that pose a significant risk to source water. The provincial approvals are either being issued, denied, amended, or revoked, where necessary to conform with plan policies in Niagara. The original policies written in Niagara provided a timeline of 3 years to complete the review and make any necessary changes to previously issued approvals. Any new or amended provincial approvals need to adhere to the Source Protection Plan policies since it took effect in October 2014. 100% of previously issued provincial approvals in the Niagara Peninsula Source Protection Area have been reviewed. In 2023, there was one new prescribed instruments which needed review. It was determined through the review that the terms and conditions of the ECA manage the threat effectively.

6. Source Protection Awareness and Change in Behaviour

Twenty-three (23) drinking water protection zone signs have been installed in our source protection area along municipal and regional roads that are in close proximity to intake protection zones. Community engagement and outreach continue to have a positive impact in our source protection region through programs like Yellow Fish Road™ and the Children's Water Festival.

Other positive impacts include the consideration that is given to vulnerable areas within the Niagara Peninsula Source Protection Area including Intake Protection Zones and Highly Vulnerable Aquifers.

7. Source Protection Plan Policies: Summary of Delays

Not applicable to our source protection area.

8. Source Water Quality: Monitoring and Actions

Not applicable.

9. Science-based Assessment Reports: Work Plans

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

10. More from the Watershed

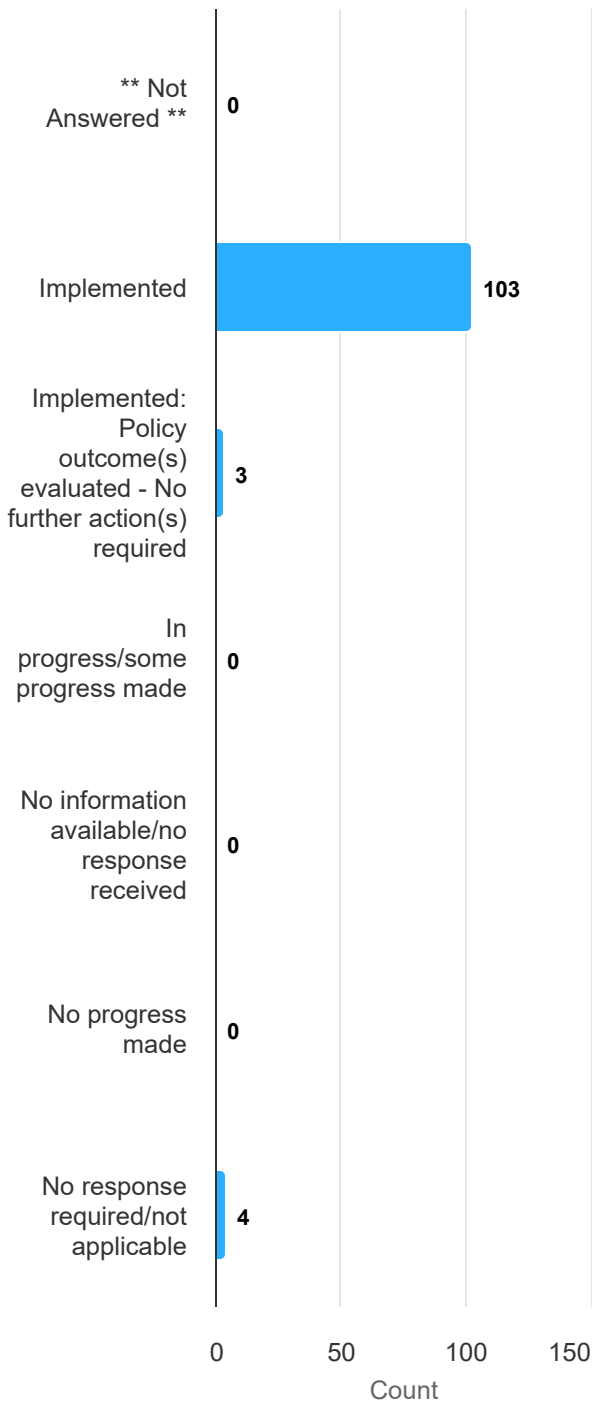
Future 2024 source water protection activities include:

-Yellow Fish Road education and outreach within the City of Niagara Falls and the City of Port Colborne and at the Niagara Children's Water Festival

-Implementation of the work plan to update the Source Protection Plan to address: (i) required municipal updates and (ii) improving municipal supply protection

-Upcoming changes to municipal drinking water intakes and infrastructure projects near vulnerable areas.

Status Statistics



● Status Count

Highcharts.com



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

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			No
MECP - Waste Disposal Sites - Landfilling and Storage			Yes
MECP - Wastewater/Sewage Works			Yes
MECP - Pesticides			Yes
MECP - Hauled Sewage/Biosolids			Yes
MECP - Hauled Sewage/Biosolids Inspections			Yes
MECP - Permit to Take Water			Yes
MECP - Permit to Take Water Inspections			Yes
MECP - Municipal Residential Drinking Water Systems			Yes
MECP - Municipal Residential Drinking Water Systems Inspections			Yes
MECP - Source Protection			Yes
MECP - Waste Disposal Sites - Landfilling and Storage Inspections			Yes
MECP - Wastewater/Sewage Works Inspections			Yes
MECP - Conditions Sites			No
MECP - NMA - ASM and NASM Inspections			Yes
MECP - Environmental Monitoring			No
MECP - Fuel			Yes
MECP - Great Lakes			No



Source Water Protection Annual Report

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SPR - Niagara Peninsula

MECP - Spills Response	Yes
MECP - Wells	No
OMAFRA	Yes
MNRF	No
MTO	Yes
MMAH	No
MGCS-TSSA	No
MENDM	No
Provincial Board/Commission	No
Federal Departments/Agencies/Commissions/Crown Corporations	Yes
Private Entity/Company	No
Association/Organization	No

Comment: For "No" answers, implementing body does not apply in Niagara Peninsula Source Protection Area.



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

Report Id	Completed	Question	Category
20	True	Did the Source Protection Authority indicate the status of all threat policies as contained in their source protection plan? Please provide details in the response field text box in the Policy Interface for policies with a "No Progress Made" and "No information available/no response received" implementation status 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.	Implementation status of source protection plan policies
Answer:		Yes	
Comment:			

Report Id	Completed	Question	Category
21	True	Did the source protection authority(ies) confirm the accuracy of the implementation status of all threat policies as contained in their source protection plan and located on the policy interface database for the current reporting year?	Monitoring Policy Implementation
Answer:		Yes	
Comment:			

Report Id	Completed	Question	Category
22	True	Did all source protection authority(ies) confirm that if a policy is significant and legally binding and has not been implemented by a person or a body by the implementation date specified in the policy, that there are written comments that include a description of the failure and the reasons for the failure as per O.Reg 287/07 s.52(1) 1.?	Monitoring Policy Implementation
Answer:		Yes	
Comment:			



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

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).	0	2
Provincial Total			0	2
Comment:				

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.	0	5
Provincial Total			0	5
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)?	0	15
Provincial Total			0	15
Comment:				



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

Report Id	Completed	Question	Current Year	Cumulative Count
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?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
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?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
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. If no inspections were conducted in the previous calendar year, please explain.	0	7
Provincial Total			0	7
Comment: Section 57 prohibition applies to aircraft de-icing in Port Colborne, no airport exists in Port Colborne therefore an inspection to ensure prohibition is not required.				



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

Report Id	Completed	Question	Current Year	Cumulative Count
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?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
63	True	How many new properties were identified with s.57 prohibited activities during the reporting year (do not include properties established outside of this reporting year)?	0	0
Provincial Total			0	0
Comment:				

Report Id	Completed	Question	Current Year	Cumulative Count
70	True	How many existing significant drinking water threats have been prohibited as a result of section 57 prohibitions in this reporting period?	0	1
Provincial Total			0	1
Comment:				



Source Water Protection Annual Report

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SPR - Niagara Peninsula

Report Id	Completed	Question						
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. If no inspections were conducted in the previous calendar year, please explain.						
		<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">9</td> </tr> </tbody> </table>	Current Year	Cumulative Count	2	9	2	9
Current Year	Cumulative Count							
2	9							
2	9							
Provincial Total		2 9						
Comment:								

Report Id	Completed	Question						
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)?						
		<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;">1</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Current Year	Cumulative Count	0	1	0	1
Current Year	Cumulative Count							
0	1							
0	1							
Provincial Total		0 1						
Comment:								



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

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	0
Provincial Total			0	0
Comment:				



Source Water Protection Annual Report

2023 - Supplemental Form

SPR - Niagara Peninsula

Report Id	Completed	Question	Current Year	Cumulative Count
85	True	State the total number of orders issued for 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
86	True	State the total number of orders issued for 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

2023 - Supplemental Form

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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 exercises to conform to the latest source protection plan, and indicate the status of those exercises for each applicable municipality. "Latest source protection plan" means the first approved plan or any subsequent approved plan update. *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
City of Niagara Falls	Completed	Completed
City of Port Colborne	Completed	Completed
City of Thorold	Completed	Completed
Niagara, Regional Municipality of	Completed	Not Applicable

Comment:

Report Id Completed Question

240 True State the number of source water protection signs installed on provincial highways in the source protection region/area in this reporting period.

Current Year Cumulative Count

	0	4
Provincial Total	0	4
Comment:		



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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	19
Provincial Total			0	19
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:				

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:	0		
Comment:			



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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:		0	

Comment:

Report Id	Completed	Question	Current Year	Cumulative Count
262	True	How many on-site sewage system inspections were completed in this reporting period?	0	0
Provincial Total			0	0

Comment:

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	0
Provincial Total			0	0

Comment: N/A



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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:		N/A		

Report Id	Completed	Question	Category
265	True	How many of the inspected on-site sewage systems required no maintenance work?	Sewage System Inspections
Answer:		0	
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
		inspections delayed/postponed due to COVID-19 restrictions	No
		vulnerable area changed and on-site sewage system(s) no longer a threat activity	No
		other. Please specify in the comment box below.	No
Comment: N/A			



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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: N/A

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

0 0

Provincial Total 0 0

Comment: Transport Pathways cannot increase the vulnerability score of Intake Protection Zones. However, through implementation of screening layers, municipalities are aware to notify the Source Protection Authority for developments within IPZs that may increase the size of the vulnerable area. To date, none to our knowledge have required modification of the existing vulnerable area delineations.



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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: Again, transport pathways cannot increase vulnerability of Intake Protection Zones. The SPA continues to receive notifications regarding potential boundary alterations due to IPZ transport pathways, to date none have required action.			



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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.)	Yes
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	Yes
Stewardship Programs	No
Best Management Practices	No
Pilot Programs	No
Research	Yes
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)	Yes
Spill prevention/spill contingency/emergency response plan updates	Yes
Transport pathways	Yes
Water quantity	No
Great Lakes	Yes
Other policies (i.e., strategic action, etc.)	No

Comment: Several education and outreach initiatives continued throughout 2023 with the direct or indirect goal of source protection awareness.

The Children's Water Festival continues to be an excellent event where children can participate in water conservation and protection activities. The event was well received and well attended with the activities that deal with water protection being amongst the most popular (i.e., Yellow Fish Road).

Incentive programs at local municipalities and the conservation authority continued in 2023 (i.e., disconnecting storm drains from local sewers, and the groundwater well decommissioning program).



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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. [CWA Section 46(1)(a)]

The running tally consists of the formula: A+B-C-D where:

A = Number of significant drinking water threats estimated when the source protection plan was first approved

B = Number of additional significant drinking water threats counted after the first source protection plan approval (not part of the original estimate)

C = Number of significant drinking water threats included in A that were determined through field verification to no longer exist because: (i) the threat was not actually engaged in at a particular location after all OR (ii) it was no longer engaged in (e.g., land may still have an agricultural operation but owner is no longer applying pesticides for their own reasons)

D = Number of significant drinking water threats addressed because a policy is implemented. (It is understood that multiple policies/policy tools may address a single threat on the landscape. If any one policy is implemented and directed at that single threat it is considered addressed.)

In the comments box below summarize any remaining significant threats needing to be addressed for each source protection authority and what actions will be taken to eliminate those threats. If all threats have been addressed for each source protection authority(ies) write "All known significant threats have been addressed" in the comments box. Note that this summary response will be posted under the objective summary section 2 of the report.

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.	0	0	0	0
3	The application of agricultural source material to land.	8	0	3	5
4	The storage of agricultural source material.	8	0	3	5



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5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	0	1	1	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.	0	0	0	0
10	The application of pesticide to land.	0	0	0	0
11	The handling and storage of pesticide.	0	0	0	0
12	The application of road salt.	0	0	0	0
13	The handling and storage of road salt.	0	0	0	0
14	The storage of snow.	0	0	0	0
15	The handling and storage of fuel.	0	0	0	0
16	The handling and storage of a dense non-aqueous phase liquid.	0	0	0	0
17	The handling and storage of an organic solvent.	0	0	0	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.	8	0	3	5
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



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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	36	0	0	36		
1004	Transportation, storage and handling of diesel/gasoline	36	0	0	36		
1005	Transportation of Agricultural and Non-Agricultural Source Materials	6	0	0	6		
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		
1009	Waterfowl	0	0	0	0		
1010	Local condition	0	0	0	0		
93	93	Totals:		102	1	10	93

Comment:

MECP Calc (C+D)/(A+B): 100 %

Report Id	Completed	Question	Category
310	True	Please provide comments below to explain the overall progress made in addressing existing significant threat activities 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 above (reportable 305) adding it to C (i.e., significant threats determined through field verification to no longer be threats) and dividing it by the number that is derived by adding the total numbers in columns A and B. In other words, overall progress made = (C+D)/(A + B).	Addressing existing enumerated threats

Answer: P: Progressing Well/On Target 100%, All policies are implemented and all significant threats are addressed.

Comment:



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Report Id	Completed	Question	Category
320	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, 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:		N/A	
Comment:			

Report Id	Completed	Question	Category
321	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, 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:		N/A	
Comment:			

Report Id	Completed	Question	Category
322	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, 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:		N/A	
Comment:			



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Report Id	Completed	Question	Category
323	True	[OPTIONAL] If applicable where the 2021 technical rules were used for the assessment report update/amendment, 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:		N/A	

Comment:

Report Id	Completed	Question	Category
324	True	[OPTIONAL] Where the 2021 technical rules were used for the assessment report update/amendment, 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:		N/A	

Comment:

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:		N/A	

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 - The majority of the policies from the approved original or an amended source protection plan have been implemented and/or are progressing well	Yes
		Satisfactory - Some of the policies from the approved original or an amended source protection plan have been implemented and/or are progressing well	No
		Limited Progress made - A few of the policies from the approved original or an amended source protection plan 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:		The Source Protection Committee states that based on the information provided that all of the significant drinking water threats have been addressed and all of the policies are implemented.	
Comment:			