

SAUGEEN, GREY SAUBLE, NORTHERN BRUCE PENINSULA SOURCE PROTECTION COMMITTEE MEETING #91

A G E N D A

Friday, March 31, 2023

1:00 p.m. – 4:00 p.m.

Grey Sauble Conservation and Virtual Via WEB Ex

237897 Inglis Falls Road, RR4, Owen Sound ON

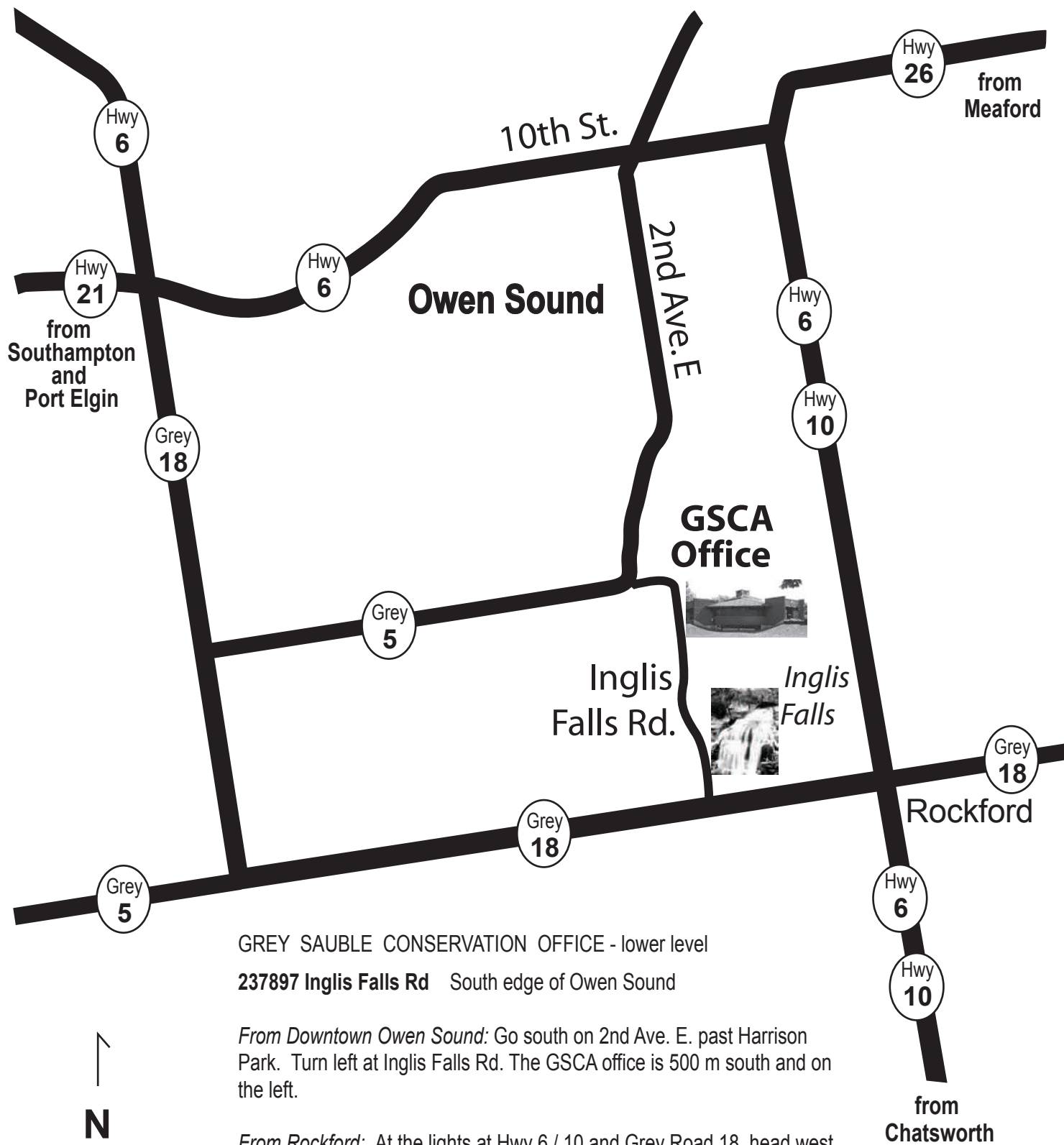
(Map attached)

CALL TO ORDER

- 1. Adoption of Agenda**
- 2. Declaration of Pecuniary or Conflict of Interest**
- 3. Adoption of Minutes of November 25, 2022 meeting**
- 4. Matters Arising from the Minutes**
 - None at this time
- 5. Correspondence**
 - None at this time
- 6. Reports**
 - Administration Report – **Report 6a attached**
 - Communications Report – **Report 6b attached**
- 7. New Business**
 - Annual Progress Report 2022 – **Report 7a attached**
 - Septic Policy – **Report 7b attached**
 - Snow Policy – **Report 7c attached**
- 8. Other Business**
- 9. Next Meeting and Adjournment**

SPC Meeting

Map to Grey Sauble Conservation Office



GREY SAUBLE CONSERVATION OFFICE - lower level

237897 Inglis Falls Rd South edge of Owen Sound

From Downtown Owen Sound: Go south on 2nd Ave. E. past Harrison Park. Turn left at Inglis Falls Rd. The GSCA office is 500 m south and on the left.

From Rockford: At the lights at Hwy 6 / 10 and Grey Road 18, head west on Grey Road 18 for 1 km to Inglis Falls Road. Turn north onto Inglis Falls Rd. Continue down the hill for 1 km and the GSCA office is on the right.

The entrance for the meeting is around back to the lower level door.

SOURCE PROTECTION COMMITTEE

MINUTES – MEETING #90

MEETING: SOURCE PROTECTION COMMITTEE

DATE: NOVEMBER 25, 2022

TIME: 1:00 P.M.

LOCATION: GREY SAUBLE CONSERVATION AND VIRTUAL

CALL TO ORDER

Interim Chair called the meeting to order at 1:00 p.m.

In Attendance: Interim Chair, Dick Hibma
Stan Eby, Les Nichols, Gord Timmerman

Virtual Attendance: Dan Orr, Tara Saab, Mitch Twolan

Proxy Appointed By: Andrew Barton
John Fruin

Others Present: Mary Wooding, Ex-officio, Ministry of the Environment, Conservation and Parks (MECP)
Carl Seider, Project Manager, Drinking Water Source Protection (DWSP)
Nancy Guest, Recording Secretary, DWSP

Also in Attendance: Karen Gillan, Communications Specialist & Program Supervisor, DWSP
Tim Lanthier, CAO, Grey Sauble Conservation
Jennifer Stephens, General Manager/Secretary-Treasurer, Saugeen Conservation
John Ritchie, MECP, Owen Sound Office

Regrets: Robert Emerson

1. Adoption of Agenda

Motion No.
SPC-22-237

Moved by Stan Eby
Seconded by Les Nichols

THAT the Agenda be adopted as distributed.

Carried

2. Disclosure of Pecuniary or Conflict of Interest

Source Protection Committee (SPC) members were reminded to disclose any pecuniary interest that may arise during the course of the meeting. No disclosures of pecuniary interest were expressed at this time.

3. Adoption of Minutes

**Motion No.
SPC-22-238**

**Moved by Gord Timmerman
Seconded by Les Nichols**

THAT the Minutes of the July 22, 2022 Source Protection Committee meeting be adopted as distributed.

Carried

4. Matters Arising from the Minutes

No matters arose from the previous minutes.

5. Correspondence

Copy of letter dated November 8, 2022 from MECP to Historic Saugeen Metis re SPP approval.

Copy of letter dated November 8, 2022 from MECP to MNO Great Lakes Metis Council re SPP approval.

Copy of letter dated November 8, 2022 from MECP to Chippewas of Nawash Unceded First Nation re SPP approval.

Copy of letter dated November 8, 2022 from MECP to Saugeen First Nation re SPP approval.

6. Reports

Administration Report 6a

The Project Manager reviewed Administration Report 6a and advised the Minister's Approval respecting the s.36 Source Protection Plan (SPP) amendments was received on November 7, 2022. Future amendments can be made through locally initiated amendments respecting new or expanding systems, new scientific or technical information, and other revisions and updates as needed. With this approval in place, the SPC is now able to implement SPP policy requirements for expanded fuel storage and handling threats, including the East Linton Events-based Area, as well as salt management plans, where applicable.

With respect to Source Protection Committee appointments, Troy Pelletier, currently the Drinking Water Superintendent for the City of Owen Sound, has been appointed the Municipal Representative for Group 1 representing Owen Sound, Georgian Bluffs, Northern Bruce Peninsula and South Bruce Peninsula.

The Project Manager advised that an update was received from the Wellington Source Water Protection (SWP) office respecting the planned Minto Pines replacement well. The existing well and the planned well will both operate for a period of time to ensure the new well meets operational requirements. Staff from the Wellington SWP office will assist with threats assessment work.

The pumping tests for the proposed Well #4 in Chesley demonstrated that recharge rates were insufficient to support a well in this location and a more suitable site will need to be determined for the new production well.

An Environmental Assessment is being undertaken respecting the proposed well project on the Teeswater fairgrounds close to the existing wellhead protection area (WHPA) requiring modeling and WHPA delineation. It is expected that the proposed well location should not significantly affect the future use of the fairgrounds.

Information was received from the Risk Management Official for Centre Wellington indicating that five Risk Management Plans are in the process of being finalized. Negotiations are reportedly going well and two of the five will eventually require corporate head office sign-offs, which may delay final risk management plan approval.

**Motion No.
SPC-22-239**

**Moved by Les Nichols
Seconded by Stan Eby**

THAT: the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receive Administration Report #6a for information.

Carried

Communications Report 6b

The Communications Specialist reviewed Communications Report 6b and advised that the Children's Water Festival will be an in-person event once again in 2023 following cancellations and virtual festivals due to the covid pandemic. The Communications Specialist has been appointed Vice-President of the organizing committee after many years of working with the Festival and requested support from the Source Protection Committee members as well as help with sponsors and volunteering.

Saugeen Conservation has partnered with the Nuclear Waste Management Organization (NWMO) to offer a Water Well Improvement Program financially supporting landowners who wish to address well upgrades/decommissioning within the Saugeen watershed. Interested parties may contact Saugeen Conservation for more information.

The availability and use of self-adhesive notices respecting the responsible use of road salt provided by Conservation Ontario was discussed. These notices will be sent out to municipalities and property owners with salt management plans.

**Motion No.
SPC-22-240**

**Moved by Gord Timmerman
Seconded by Les Nichols**

THAT: the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives Communications Report #6b for information.

Carried

7. New Business

Scott's Point Well Report 7a

The Project Manager reviewed Scott's Point Well Report 7a and advised that additional technical information has been received from consultants who did the modeling work for a new, deeper well within the same general WHPA delineation area. With the WHPA shifting approximately 200m to the East, there are about 9 fewer properties that will be affected by SPP policies in the community.

**Motion No.
SPC-22-241**

**Moved by Mitch Twolan
Seconded by Dan Orr**

THAT: the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives this Report 7a for information and directs Staff to engage in early consultation with the Ministry of Environment, Conservation and Parks, respecting proposed amendments to the Source Protection Plan;

AND FURTHER THAT Staff prepare the necessary amendments to the Source Protection Plan for the new Scott's Point well for review at the next meeting.

Carried

Pesticide Policy Report 7b

The Project Manager reviewed Pesticide Policy Report 7b and the impacts resulting from recent 2021 Director's Technical Rule changes. Having a new definition of pesticides which includes a much wider description, the question is how to make an adjustment to the policy that conforms with the new definition and the intent of the Explanatory Document Policies 10-01 and 10-02 to address pesticides that may pose a higher risk to human and environmental health. There was an extensive discussion amongst the members and Staff regarding the details of pesticide application and with the information and ideas generated, Staff will formulate a draft policy for discussion at the next meeting.

**Motion No.
SPC-22-242**

**Moved by Les Nichols
Seconded by Stan Eby**

THAT: the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives Pesticide Policy Report 7b for information and directs Staff to continue to review possible Source Protection Plan policy implications and options for consideration at an upcoming meeting.

Carried

8. Other Business

There was no other business.

9. Confirmation of Next Meeting and Adjournment

The next Committee meeting will be held on Friday, March 31, 2023 at the Grey Sauble Conservation in Owen Sound, Ontario and virtually.

There being no further business, Gord Timmerman made a motion to adjourn at 2:30 p.m.

Dick Hibma
Interim Chair

Nancy Guest
Recording Secretary

REPORT #6a

TO: SOURCE PROTECTION COMMITTEE

DATE: MARCH 31, 2023

SUBJECT: ADMINISTRATION REPORT

Source Protection Committee Chair Appointment

On February 27, 2023, the Minister of the Environment, Conservation and Parks (MECP) appointed Carl Kuhnke as Chair of the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee.

Carl Kuhnke lives in Walkerton with his wife Beth. He retired as CEO of the Walkerton Clean Water Centre in April of 2022. He graduated from the University of Alberta with a BSc. in Biology and a Masters' degree in Business and spent two decades in the Canadian diplomatic service in Asia, Europe and the USA. He returned to public service in 2013 as the CEO of Saskatchewan's Centre of Excellence for Infrastructure and came back to Ontario in 2017 to lead the Walkerton Clean Water Centre (WCWC). There, he led WCWC's drinking water protection programs and its new First Nations drinking water initiative. Carl also sits on the Brockton Police Services Board and was recently elected Councillor in Brockton.

The Committee welcomes Carl in this new role and also extends our sincere thanks to Dick Hibma for his service as Interim Chair over the past six months.

Source Protection Committee Representative Appointments

A Notice was issued on December 1, 2022 for the replacement of the Municipal Group 4 Representative on the Source Protection Committee (SPC) previously held by Jim Uram.

Drinking Water Source Protection (DWSP) Staff completed the recruitment process for Municipal Sector Representative for Group 4 municipalities (Blue Mountains, Meaford, Chatsworth, Grey Highlands and West Grey). DWSP Staff sought the input from the affected municipalities, along with the Source Protection Management Committee and was pleased to receive support in principle for the appointment of Harley Greenfield. Mr. Greenfield was then appointed to the Source Protection Committee (SPC) by the Grey Sauble Source Protection Authority on February 22, 2023.

Harley was elected in 1998 as a Councillor to the Municipality of Meaford and previously, served the last term as Councillor of the former St. Vincent Township. He chaired the tri-municipality committee working to formulate the new municipality of Meaford in 2001. Since amalgamation, he has served three and a half terms as a Councillor for Meaford, currently in his eighth term as a Meaford Council member. He was initially involved with the Municipal Waste Management

committee and played a lead role in establishing the Meaford Early Recycling program. He has also served on the Grey Sauble Conservation Authority (GSCA) Board for three different terms and was voted Vice-Chair under former GSCA Chair Dick Hibma, serving on the GSCA Source Protection Management Committee during that time.

Staff also issued a Notice on January 30, 2023 for the replacement of representatives for the Agricultural/Commercial Sector and Public/Environmental Sector on the local Source Protection Committee. This Notice was issued to Grey/Bruce County Federations of Agriculture, Grey Agricultural Services, Ontario Farmer as well as a number of individuals recommended by SPC members. The deadline for applications was February 28, 2023, with a number of good candidates received for consideration. A Management Committee meeting will be held in early April 2023 to review the applications received prior to appointment of members by the Source Protection Authority.

New Well Updates

Scott's Point

As part of the planned Sec.34 amendments to the Source Protection Plan, Staff continue to work with the Municipality of Kincardine and consultants to complete updated modelling work for the proposed new well location in Scott's Point.

A Notice was issued by the local Source Protection Authority (SPA), which included work to assess the vulnerability of the new drinking water system as well as the proposed wellhead delineation area completed and accepted by the local SPA. This Notice is needed before the owner can apply for a drinking water works permit/license.

Early Engagement consultation with MECP staff began in January 2023 to review a preliminary report on the Wellhead Protection Area (WHPA) delineation and vulnerability scoring for the new well. Based on MECP comments received on February 10, 2023, it was noted that the pumping rate is the same rate of 30.7 m³/day as the rate used for the original Scott's Point Well #1. The Assessment Report notes that a conservative pumping rate was assumed, which is a projection of the average pumping rate into the future, assuming continued population growth future increased water use. As the historical pumping rates over the last five years have not been that high (19.8 m³/day) and opportunity for future development is limited given the zoning and presence of an Area of Natural and Scientific Interest (ANSI), it was felt the same conservative rate was appropriate to use for the new well.

Staff also confirmed that since the new WHPA delineation falls completely within the old delineation area and there were no new threats affecting property owners, source protection plan amendments can be completed as part of the other planned Sec.34 amendments. The municipality is planning to bring the new well online sometime in the summer/fall of 2023 at the latest.

Chesley

Staff received an update from the Municipality of Arran-Elderslie regarding the Environmental Assessment process for a new Well #4 in the community. Current plans are to drill a new test well sometime in the spring of 2023 in hopes of finding a suitable location for the production well.

RECOMMENDATION: THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives Administration Report 6a for information, and welcomes Harley Greenfield as the new Municipal Sector Representative Group #4 on the Committee.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Carl Seider', written over a horizontal line.

Carl Seider
Project Manager
Drinking Water Source Protection

REPORT #6b

TO: SOURCE PROTECTION COMMITTEE

DATE: MARCH 31, 2023

SUBJECT: COMMUNICATIONS

Annual Progress Report

Work is underway for the annual newsletter and documents that accompany the release of annual reporting results.

Social Media

Conservation Ontario (CO) continues to support the public's awareness of one of Ontario's flagship programs, Drinking Water Source Protection (DWSP), and has implemented a social media campaign – Salt Responsibly (November 2022 to March 2023).

This social media campaign is complementary to the other components of the Salt Responsibility campaign which also includes a story map and salt bin stickers (voluntary) in vulnerable drinking water areas. Here is the direct link to the story map: <https://arcg.is/1LbanC1>

Grey Bruce Children's Water Festival

Preparations are well underway for an in-person festival May 16-18, 2023. The committee is working on an engaging program for all the school children. If you are interested/available to volunteer, please let Karen Gillan know and she can connect you to the event coordinator responsible for scheduling. Visit <http://waterfestival.ca/> for event information.

Grey Bruce Farmers' Week



Staff attended Beef and Crops Days for the 2023 Grey Bruce Farmers' Week. It was a great opportunity to engage with landowners and learn from speaker panel.

Attendance was strong again this year as everyone got the opportunity to meet in-person again.

Beef	Dairy	Goat	Sheep	Horse	Ecological	Crops	Total
157	193	143	159	116	116	243	1127

Grey Bruce OFA Politicians Meeting

Staff are planning to attend this meeting hosted by the Grey and Bruce Federations of Agriculture on March 25, 2023.

Respectfully submitted,



Karen Gillan
Communications Specialist & Program Supervisor
Drinking Water Source Protection

REPORT #7a

TO: SOURCE PROTECTION COMMITTEE

DATE: MARCH 31, 2023

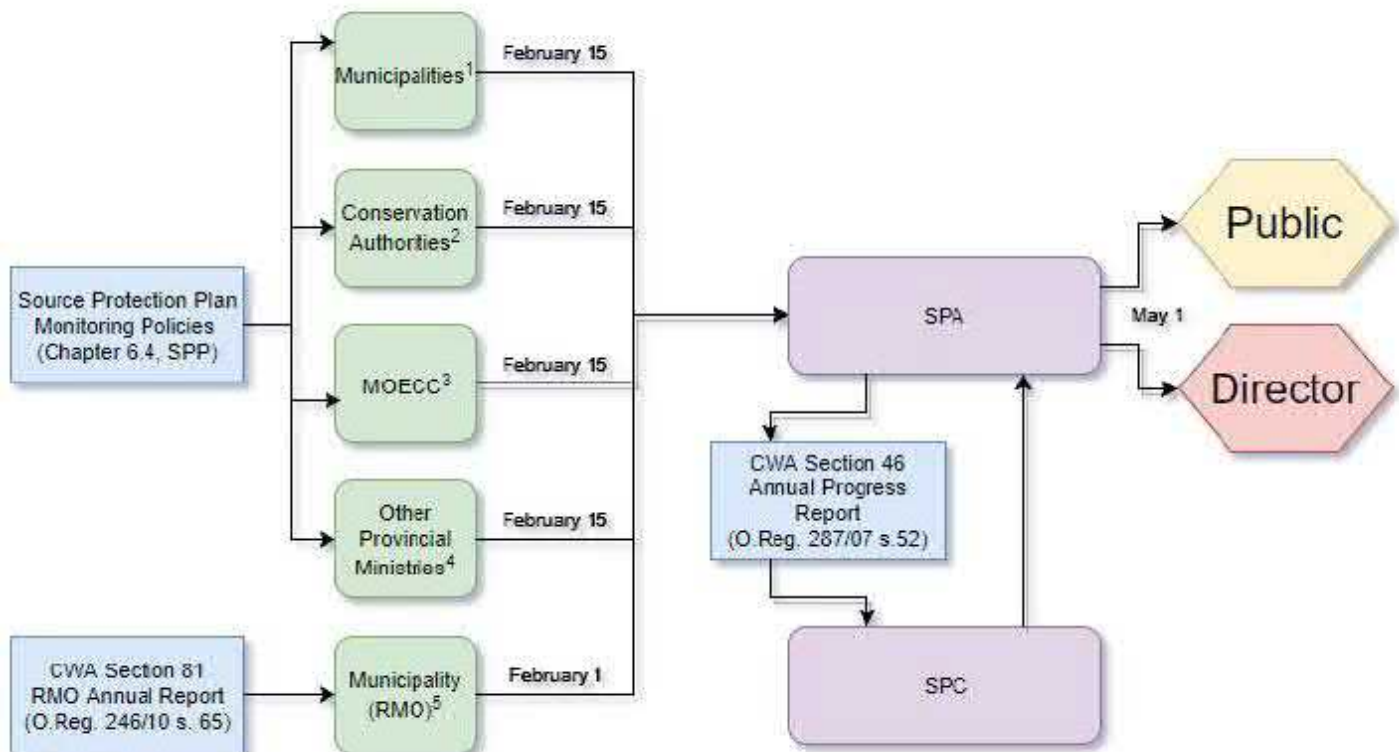
SUBJECT: ANNUAL PROGRESS REPORT - 2022

The Annual Progress Report for the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region covers the period of January 1, 2022 to December 31, 2022 and must be submitted to the Ministry of the Environment, Conservation and Parks (MECP) by May 1, 2023.

This Report highlights the progress of Source Protection Plan implementation, results of municipal monitoring programs, risk management activities, Ministry reporting of prescribed instruments, and reporting requirements for Conservation Authorities under the local Source Protection Plan.

Below is a flow chart outlining the annual reporting submission process.

Source Water Annual Reporting Process



The Source Protection Committee (SPC) is required to conduct a formal review of the annual progress report and provide written comments regarding the extent to which the objectives set out in the Source Protection Plan are being achieved.

The following is a summary of the information included in the draft Annual Progress Report:

- On November 7, 2022, we received Minister's Approval on the section 36 Source Protection Plan amendments in accordance with the section 36 Order issued when the initial plan was approved. These amendments mark another significant milestone in the source protection plan and ultimate objectives to ensure that activities cease to be, or never become, significant threats to municipal sources of drinking water.
- To-date, 160 out of an estimated 164 Risk Management Plans have been completed across the Region, with the remaining 4 plans in the process of being completed (pending final sign-off). In 2022, DWSP Staff also began 5-year renewals of existing risk management plans, with a total of 38 plans renewed or transferred to new owners/tenants.
- There have been 246 inspections carried out by Risk Management Inspectors for prohibited or regulated activities, with a 100% compliance rate (43 completed in 2022).
- All 21 upper/lower-tier municipalities across the Region have completed or are in the process of completing Official Plan/Zoning By-law updates. Nineteen have fully completed Official Plan updates. Given recent impacts affecting consultation processes due to the COVID-19 pandemic, a few municipalities have extended their Official Plan/Zoning by-law amendments into 2023.
- 99% of septic inspections have been completed as required under the *Clean Water Act* and *Building Code Act* within vulnerable source protection areas, with an additional 84 septic inspections in 2022 as part of the second round of septic inspections. An increased number of inspections are scheduled for 2023 as part of the second round.
- In 2022, detailed reviews were completed by Ministry of the Environment, Conservation and Parks staff for one wastewater/sewage works, and one fuel storage at a drinking water treatment plant with Significant Drinking Water Threats (SDWT) to be managed through an existing Prescribed Instrument. Furthermore, four hauled sewage permits were reviewed but determined to not be a Significant Drinking Water Threat (SDWT).
- 100% of the significant drinking water threat policies have been implemented. Of these, 97% have been fully implemented and 3% require no further action.

Attached is a draft copy of the Source Protection Annual Progress Report for review.

RECOMMENDATION: THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives a copy of the draft Source Protection Annual Progress Report and directs Staff to provide the Report, along with any comments, to the Ministry of the Environment, Conservation and Parks by May 1, 2023.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Carl Seider', written over a horizontal line.

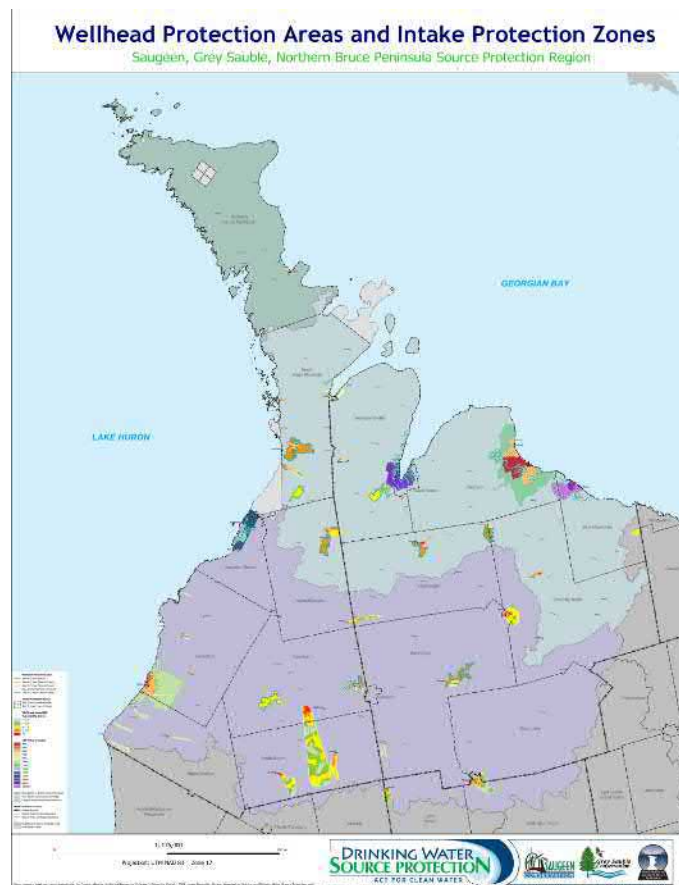
Carl Seider
Project Manager
Drinking Water Source Protection

2022

Source Protection Annual Progress Report

I. Introduction

This annual progress report outlines the progress made in implementing our source protection plan for the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region, as required by the Clean Water Act, 2006 and associated regulations. With our Region's Source Protection Plan coming into effect in July of 2016, we have now completed the established 5-year timeline for implementation of our significant drinking water threat policies. Plans are currently underway for the renewal and replacement of Source Protection Committee members over the next couple years as required under the Clean Water Act, 2006. On November 7, 2022, we received Minister's Approval on the Section 36 Source Protection Plan amendments in accordance with the Section 36 Order issued when the initial plan was approved. These Plan amendments addressed recently updated 2021 Technical Rule changes and were in line with previous consultations with municipalities, RMOs and other key stakeholder groups.



II. A message from your local Source Protection Committee

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

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

The great progress to date on source protection plan implementation was made possible with the strong support and direct involvement of municipalities, agricultural and industry sectors, as well as other environmental and health related stakeholder groups. While the program has reached a major milestone whereby 100% of significant threat policies have been implemented, there is still a need to ensure that any outstanding municipal plan/by-law amendments or renewal of risk management plans are fully implemented as required under the plan. The recent Minister's Approval on the Section 36 Source Protection Plan amendments marks another significant milestone in the evolution of the source protection plan and ultimate goal to ensure that activities cease to be, or never become significant threats to municipal sources of drinking water. The Minister's letter mentions that future amendments to the plan can be made through locally initiated amendments under Section 34 to address new or expanding drinking water systems, new scientific or technical information, revisions to address implementation challenges, and any other updates deemed necessary to protect the source of drinking water. The Committee strongly advocates for continued provincial funding to protect current and future generations. Without the ongoing provision of financial resources maintained at current levels, the significant progress achieved in the development and implementation of the source protection plan would be greatly diminished.

III. Our Watershed

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

The Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region is comprised of three Source Protection Areas. These areas are the Saugeen Valley Source Protection Area, the Grey Sauble Source Protection Area and the Northern Bruce Peninsula Source Protection Area. The Region represents approximately 8400 km² and has approximately 160,000 residents. Our Source Protection Region also includes the Chippewas of Saugeen, who have reserve land outside of Southampton, the Chippewas of Nawash, who have the Neyaashiinigmiing reserve in the Cape Croker area and the Métis Nation of Ontario.

The Saugeen Source Protection Area (Saugeen SPA) is comprised of the watershed that represents the jurisdiction of the Saugeen Valley Conservation Authority. The Municipality of West Grey is the most populated municipality in this SPA. With the exception of Hanover, each municipality is comprised of settlement areas surrounded by extensive rural areas. The vast majority of the Saugeen SPA averages less than 20 people per km². The lowest population densities occur in the farmlands away from Lake Huron and in the eastern portions of the SPA. Between the 15 municipalities located in this SPA, there are a total of 21 municipal drinking water systems. These systems include the Arran-Elderslie Drinking Water System (DWS), Walkerton DWS, Chepstow DWS, Lake Rosalind DWS, Markdale Well Supply, Hanover Water Treatment Plant, Lakeshore DWS, Village of Ripley Well Supply, Scott Point DWS, Underwood DWS, Tiverton DWS, Armow DWS, Kincardine DWS, Minto Pines Subdivision DWS, Clifford Well Supply, Southampton Water Treatment Plant, Mildmay Well Supply, Teeswater Well Supply, Mount Forest DWS, Durham Well Supply and the Neustadt Well Supply.

The Grey Sauble Source Protection Area (Grey Sauble SPA) is comprised of the watershed that represents the jurisdiction of the Grey Sauble Conservation Authority. The City of Owen Sound is the most populated municipality in the Grey Sauble SPA, where there are more than 880 people per km². Similar concentrations can be found in the larger urban centres such as Markdale, Meaford and Thornbury. That being said, the vast majority of the Grey Sauble SPA averages less than 20 people per km². Between the 8 municipalities located in this SPA, there are a total of 15 municipal drinking water systems. These systems include the Tara Drinking Water System (DWS), Thornbury DWS, Chatsworth DWS, Walters Falls DWS, Pottawatomi Village Water Treatment Plant, Shallow Lake Water Treatment Plant, East Linton Water Treatment Plant, Kimberly-Amik-Talisman Well Supply, Meaford PUC Water Treatment Plant, R.H. Neath Water Treatment Plant, Amabel-Sauble DWS, Foreman Water Works, Huron Woods Water Supply Works, Oliphant Water System and the Wiarton Water Treatment Plant.

The Northern Bruce Peninsula Source Protection Area (NBP SPA) is comprised of the area that falls under the jurisdiction of the Municipality of Northern Bruce Peninsula, with the exception of some small areas along the bottom portion of the municipality that are covered under the Grey Sauble SPA. Lion's Head and Tobermory are the largest settlement areas in the NBP SPA. There are extensive rural areas and cottage developments on the Lake Huron and Georgian Bay shorelines and some inland lakes, with an average of five people per km². Within this SPA, there are two drinking water systems, these are the Tobermory Community Centre/ Fire Hall/ Municipal Concession Stand, and the Lion's Head Water Treatment Plant.

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

1. Source Protection Plan Policies and Addressing Significant Risks

P: Progressing Well/On Target

The Source Protection Plan is comprised of 62 policies that address significant drinking water threats directly, and 57 policies that address other areas such as the general, transport pathways and monitoring policies. 100% of the policies that address significant drinking water threats are implemented, or have been evaluated and determined that no further action is required. Of these, 97% of the policies have been fully implemented, and 3% require no further action, which includes Policy 02-06 Building Code Changes Related to On-site Sewage Systems (addressed through existing Building Code requirements) and Policy 06-02 NASM Plan Approvals (was directed at OMAFRA instead of MECP environmental compliance approvals).

Of the policies not specifically associated with significant drinking water risks, only one policy has not been fully implemented - G-04 Amend Official Plan and Zoning By-Law, as there remains a couple municipalities that have yet to complete their amendments. These amendments are underway, but were delayed due to pandemic restrictions which affected public consultations efforts.

2. Municipal Progress: Addressing Risks on the Ground

The Region contains almost the full extents of Grey County and Bruce County, as well as small portions of the Counties of Wellington and Huron. There are 25 municipalities (including upper-, lower, and single-tier), within our source protection region, 21 of which have vulnerable areas where significant drinking water threat policies apply.

P: Progressing Well/ On Target

100% of the municipalities in our source protection region have processes in place to ensure that their day-to-day planning decisions conform with our source protection plans.

Municipalities in our source protection region are also required to take the next step to review and update their Official Plans and Zoning By-Laws, where applicable, to ensure that they conform with the local source protection plans. This is to be done the next time they undertake an Official Plan review under the Planning Act. Of the 21 municipalities required to complete the Official Plan conformity exercise, 100% have amended or are in the process of amending their Official Plans (19 fully implemented and 2 in-progress). Of the 17 municipalities required to complete the Zoning by-law conformity exercise, 100% have amended or are in the process of amending their Zoning by-laws. Staff have been working with municipalities to ensure that all required Official Plan and Zoning by-law amendments are completed in a timely manner. Due to recent impacts affecting consultation processes due to the COVID-19 pandemic, a few municipalities have extended their Official Plan/ Zoning by-law amendments into 2023.

3. Septic Inspections

P: Progressing Well/On Target

99% of on-site sewage systems have been inspected in accordance with the Ontario Building Code. Inspection results have found that the majority (98%) are functioning as designed or carrying out required pump-outs. 2% of the systems required major maintenance, which have been addressed. These included replacement of tank covers and tank replacements.

All municipalities within our source protection region are aware of the requirements to implement a mandatory on-site sewage maintenance inspection program within vulnerable source protection areas as specified under the Building Code (Ontario Regulation 332/12 under the Building Code Act). Septics are required to be inspected once every 5 years within vulnerable source protection areas.

An additional 84 septic systems were inspected in 2022 as part of the 2nd round of septic inspections. An increasing number of inspections are scheduled for 2023 as part of the 2nd round.

4. Risk Management Plans

P: Progressing Well/On Target

As of December 31, 2022, 160 risk management plans were established in our source protection region. An estimated total of 164 risk management plans are required across the Region, with the remaining 4 plans in the process of being completed (pending final sign-off). In 2022, staff also began 5-year renewals of existing risk management plans, with a total of 38 plans renewed or transferred to new owners/tenants. In 2023, it is anticipated that there will be an increase in the total number of RMPs required to address amendments for salt storage and handling threats.

There have been 246 inspections carried out by a Risk Management Inspectors for prohibited or regulated activities. There is a 100% compliance rate with the risk management plans established in our source protection region.

5. Provincial Progress: Addressing Risks on the Ground

P: Progressing Well/ On Target

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

The ministries have completed this for 100% of previously issued provincial approvals in our source protection region. This detailed review included 37 of drinking water licenses and drinking water works permits, 11 Nutrient Management Strategies and Non-Agricultural Source Material Plans, 1 waste disposal site, 42 hauled sewage permits, and 10 sewage works/wastewater.

Since 2016, a detailed review of 3 waste disposal sites was completed, 12 hauled sewage permits and 1 Water Taking Permit, which were all determined not to be a significant drinking water threat (SDWT). Also, 18 wastewater/sewage works were reviewed with 10 identified as not a SDWT and 8 as a SDWT, where no additional conditions were needed. Also, 13 Nutrients Management Strategies (NMS) and Non-Agricultural Source Material (NASM) Plans were identified for review, 8 were determined not to be SDWT, with 4 NMS and 1 NASM Plan identified as a SDWT.

In 2022 detailed reviews were completed for 1 wastewater/sewage works, and 1 fuel storage at a drinking water plant with SDWT to be managed through an existing Prescribed Instrument. Furthermore, 4 hauled sewage permits were reviewed but determined to not be a SDWT.

6. Source Protection Awareness and Change in Behaviour

There are a total of 152 Drinking Water Protection Zone signs that have been installed in our source protection region. 138 signs were installed by Municipalities and Counties, as well as 14 by the Ministry of Transportation on provincial highways.

The installation of these road signs have greatly increased public awareness of source protection zones across the region and have resulted in increased communications from the public regarding clarification on source protections areas and related source protection policies. They have also increased notifications of potential activities that could affect vulnerable source water protection areas.

Additionally, the risk management process has greatly increased awareness across the region. Through direct interactions with affected landowners, understanding of the program is growing along with an understanding of the need to protect drinking water sources.

7. Source Protection Plan Policies: Summary of Delays

Not applicable to our source protection region/area.

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.

Under monitoring policy M-29 the municipality of Brockton continues to monitor nitrate levels for wells 7 and 9. Results of this monitoring have shown that nitrate levels have decreased and continue to decrease below the Maximum Allowable Concentration of 10 mg/L as per O. Reg. 169/03: Ontario Drinking Water Quality Standards (ODWQS).

As part of the proposed Ministry of Environment, Conservation and Parks (MECP) Phase 2 Technical Rules review of salt application threat circumstances, staff conducted a preliminary review of an additional 12 drinking water systems where salt application threats could apply (in addition to the Durham and Mount Forest Wells). Of these, 8 systems measured sodium levels above the aesthetic standard for sodium (greater than 20 mg/L). As part of the approved Sec.36 Source Protection Plan amendments in 2022, salt application/storage threat policies would now apply to additional areas.

9. Science-based Assessment Reports: Work Plans

In 2022 staff participated in meetings with the municipality of Brockton and the Lake Rosalind/Marl Lake Cottagers Association to discuss local studies showing high E.coli and Total Coliform results for raw water samples in the lakes and nearby streams. As part of proposed Sec.34 Source Protection Plan review and 2021 Technical Rule changes, staff reviewed WHPA-E delineation and vulnerability scores associated with unique soil and drainage conditions around these lakes. The Lake Rosalind WHPA-E zone surrounds the lakes which would enable an amendment to septic policies to apply to Moderate/Low risk threats in these areas.

With respect to Technical Rule 30.1, a Tier 3 Water Budget was completed for the Lake Rosalind and Ruhl Lake systems in the municipality of Brockton. There was sufficient information available to complete the Tier 3 Water Budget and resulting WHPA-Q protection zone for the Lake Rosalind drinking water system.

10. More from the Watershed

To learn more about our source protection region/area, visit our website at:

Saugeen, Grey Sauble, Northern Bruce Peninsula

In 2022 staff engaged with municipal staff, councils and landowners across the Region. Through council meetings, site visits, risk management related activities and public events, there were many opportunities to assess source protection plan implementation successes and challenges including policy effectiveness. This public engagement was key to completion of the proposed Sec.36 amendments to the local Source Protection Plan.

Support materials supplied by Conservation Ontario have resulted in increased engagement on social media platforms. Visit the link below to learn more:

<https://conservationontario.ca/conservation-authorities/source-water-protection/>



Drinking Water Source Protection

Source Protection Plan Amendments Approved

Section 36 Source Protection Plan amendments submitted to the Ministry of the Environment, Conservation and Parks (MECP) were approved for the Saugeen, Grey Sauble, and Northern Bruce Peninsula Source Protection Regions. The Source Protection Plan sets out policies that use a variety of approaches to protect municipal drinking water sources, including education and outreach, the development of risk management plans, prohibition, land use planning, and monitoring. These policies will help keep contaminants out of our aquifers, rivers and lakes that are sources of drinking water. For more information, visit: [Source Protection Plan Amendments Approved! – Drinking Water Source Protection \(waterprotection.ca\)](https://waterprotection.ca)



Salt Responsibly this Winter

Conservation Ontario and local source protection authorities have launched a Salt Responsibly Campaign to raise awareness about road salt issues and promote better road salt management while keeping people safe when traveling.

Tips to Salt Responsibly:

1. Spread salt sparingly and evenly.
2. Shovel or plow before applying salt.
3. Clean up salt spills.
4. Keep the lid on your salt container closed to protect it from rain/snow.

For more information, visit: [Drinking Water Source Protection - Salt Responsibly \(arcgis.com\)](https://arcgis.com)



Staff with their new Salt Responsibly stickers

REPORT #7b

TO: SOURCE PROTECTION COMMITTEE

DATE: MARCH 31, 2023

SUBJECT: SEPTIC POLICY AMENDMENT - MODERATE/LOW THREATS

On January 17, 2023, Source Protection Staff participated in a meeting with the Chief Administrative Office and the Chief Building Official for the Municipality of Brockton to discuss possible updated options for enhanced Source Protection Plan measures to help protect water quality for Lake Rosalind/Marl Lake residents.

Staff also provided a presentation to Brockton's Council on March 7, 2023 to seek general guidance and support for the proposed changes to septic policies around Lake Rosalind.

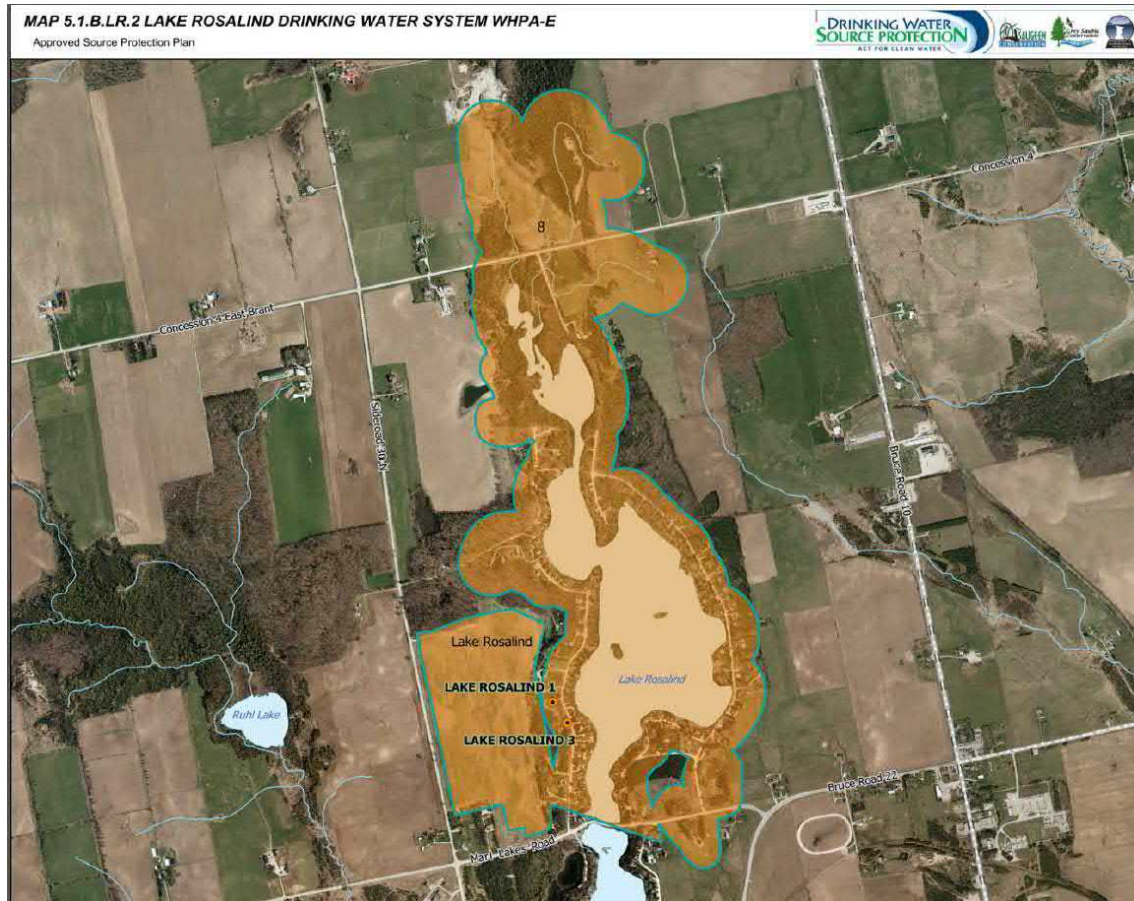
A few options for enhanced source water protection around the Lakes were discussed. It was noted that the existing Wellhead Protection Area 'E' (WHPA-E) for Lake Rosalind/Marl Lake surrounds the Lakes, which would allow for a possible amendment for on-site sewage system (septics) policies to apply to Moderate/Low risk septic threats. Currently, this is the preferred option based on discussions with municipal staff. The one issue with this approach is the fact that the current Policy 02-04 – Maintenance Inspection Program applies only to significant drinking water threats as per the Building Code.

Based on discussions with the municipality and general support from the Lake Rosalind Water Quality Committee, draft wording has been developed to help address concerns related to septic threats around the lakes. Wording for this policy was adopted from the Lower Thames Valley, St. Clair Region and Upper Thames River Source Protection Region as follows:

To reduce the risk to drinking water sources from septic systems or septic system holding tanks in vulnerable areas where this activity is a low or moderate threat in the Lake Rosalind/Marl Lake WHPA-E area, the local approval agency of septic systems, under the authority of the Ontario Building Code (municipalities or the Board of Health), should consider including these septic systems as part of the discretionary maintenance inspection program outlined in O.Reg. 315/10. In considering these discretionary inspections, priority should be given to areas where septic systems are known to fail and where older septic systems are predominant.

It is anticipated that this policy would apply to the Municipality, Local Board of Health, as well as the Risk Management Official, who would all work in collaboration to help prioritize systems that should be inspected. This policy would be a non-mandatory policy but would give authority to implementing bodies to take appropriate action if they become aware of issues with individual septic systems. The Risk Management Official would also assist in the course of their duties to flag properties that may require an inspection.

The amended policy would apply to WHPA-E areas around Lake Rosalind/Marl Lake, where septic systems are considered a Moderate/Low risk. Below is a map of the Lake Rosalind WHPA-E area:



RECOMMENDATION: THAT Staff is directed to continue discussions with the Municipality of Brockton, the Lake Rosalind Residents Association and the residents surrounding Lake Rosalind/Marl Lake regarding the possibility of future Source Protection Plan amendments,

AND FURTHER: THAT Staff is directed to submit draft wording for a new Moderate/Low policy for a discretionary inspection program for septic systems around Lake Rosalind/Marl Lake to Ministry staff for early engagement consultation.

Respectfully submitted,

Carl Seider
Project Manager, Drinking Water Source Protection

REPORT #7c

TO: SOURCE PROTECTION COMMITTEE

DATE: MARCH 31, 2023

SUBJECT: SNOW POLICY AMENDMENTS

The thresholds for snow storage that determine significant threats were lowered in the 2021 Director's Technical Rules.

Snow storage located on commercial or industrial properties can be a significant drinking water threat in a wellhead protection area (WHPA) with a vulnerability score of 10. Policy tools used to address this threat include prohibition and Risk Management Plan (RMP). Snow disposal facilities are regulated under Sewage Works using a prescribed instrument.

2021 Director's Technical Rule change for snow storage area threats:

Storage of Snow	<ul style="list-style-type: none"> (1) Snow stored <200m², IPZ or WHPA score of 10 (2) Snow stored >200m² <2000m², IPZ/WHPA-E score greater than 9, and WHPA score of 10 (3) Snow stored >2000m², IPZ/WHPA-E score greater than 8 and WHPA score of 10
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Circumstances

- Infiltration or discharge of snowmelt from the storage of snow on commercial or industrial sites
- A storm water drainage system outfall that serves a Snow Disposal Facility.

Below are existing and proposed policies to address these changes given the new thresholds:

Existing Policy 14-01: Prohibition

The policy applies in all groundwater vulnerable areas where the storage of snow is or would be a significant drinking water threat (existing activity or future activity).

The storage of snow shall be prohibited under the following conditions:

- A. the snow is stored below grade and the storage area is:
 - 1. at least 0.01 but not more than 0.5 hectares; or,

2. more than 0.5 but not more than 1 hectare; or,
3. more than 1 but not more than 5 hectares; or,
4. more than 5 hectares.

Notwithstanding clause (A) above, the storage of snow is not prohibited where:

- a) the snow storage constitutes the snowbanks immediately adjacent to a travelled roadway;
and
- b) the snow storage is contained within the road allowance for the travelled roadway

Proposed Policy change 14-01: Prohibition

To reduce the risk to municipal drinking water sources from the storage of snow, the transfer of snow into an area storage of snow where it would be a significant drinking water threat is designated for the purpose of Section 57 of the *Clean Water Act* and shall be prohibited.

Note: this policy applies in WHPA - A & B areas with a score of 10 and WHPA – E with a score of 9.

Existing Policy 14-02: Risk Management Plan

The policy applies in all vulnerable areas where the storage of snow is or would be a significant drinking water threat (existing activity or future activity).

The storage of snow may only occur in accordance with an approved Risk Management Plan under the following conditions:

For surface water systems:

- A. the snow is stored at or above grade and the storage area is:
 1. at least 0.01 but not more than 0.5 hectares; or
 2. more than 0.5 but not more than 1 hectare.

For groundwater systems:

- B. the snow is stored at or above grade and the storage area is:
 1. more than 1 but not more than 5 hectares; or
 2. more than 5 hectares.

As a minimum, the Risk Management Plan shall address:

- 1) runoff management;
- 2) implementation of best management practices;
- 3) consideration of alternative sites outside of the affected vulnerable area

Notwithstanding clause (A) and clause (B) above, a Risk Management Plan is not required where:

- a) the snow storage constitutes the snowbanks immediately adjacent to a travelled roadway;
and
- b) the snow storage is contained within the road allowance for the travelled roadway.

Proposed Policy change 14-02: Risk Management Plan

Where an Environmental Compliance Approval (ECA) is not required, the Storage of Snow may only occur in accordance with an approved Risk Management Plan and is therefore designated for the purposes of s.58 of the *Clean Water Act*, where the following applies:

- a) where the activity is or would be a significant drinking water threat;
- b) snow is stored on the property; and
- c) the snow collection area is equal to or greater than 200m²

Note: 'snow collection area' refers to the plowed area that contributes to the snow storage and is not limited to the wellhead protection area.

RECOMMENDATION: THAT Drinking Water Source Protection Staff is directed to submit draft wording for snow policy amendments to the Ministry of the Environment, Conservation and Parks for early engagement consultation purposes.

Respectfully submitted,



Carl Seider
Project Manager
Drinking Water Source Protection