



Lake Simcoe  
Region  
Conservation  
Authority



South Georgian Bay Lake Simcoe Source Protection Region

**SEVERN SOUND SOURCE PROTECTION AUTHORITY  
MEETING NO. 01-21-SS SPA  
Monday April 26<sup>th</sup>, 2021 9:30 a.m.  
Via video & telephone conference**

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**1. WELCOME AND CALL TO ORDER**

**2. ADOPTION OF AGENDA**

**3. DECLARATION OF PECUNIARY INTEREST**

**4. APPROVAL OF PAST MINUTES SS SPA MEETING**

Minutes from last SSSPA mtg were approved at part of the October 15, 2020 SSEA meeting

**5. SOURCE PROTECTION COMMITTEE UPDATE**

Chair, Lynn Dollin

**6. 2020 REGIONAL ANNUAL REPORTING UPDATE**

Staff Report No. 01-21-SS SPA and presentation from the SSEA Risk Management Official / Risk Management Inspector regarding an overview on the 2019 regional Source Protection Plan annual reporting implementation status

**7. RISK MANAGEMENT OFFICIAL/RISK MANAGEMENT INSPECTOR UPDATE**

Staff Report No. 02-21-SS SPA from the Risk Management Official/Risk Management Inspector regarding the Severn Sound Source Protection Authority (SS SPA) Drinking Water Source Protection Update and SSEA Risk Management Services Update.

**8. OTHER BUSINESS**

**9. ADJOURN**

## **Source Protection Committee Chair's Report**

To: Severn Sound Source Protection Authority

From: Lynn Dollin, Chair – South Georgian Bay Lake Simcoe Source Protection Committee

Date: April 26, 2021

### **Subject**

Source Protection Committee Chair's Update

### **Recommendation**

**That** the report by South Georgian Bay Lake Simcoe Source Protection Committee Chair Lynn Dollin regarding Source Protection Committee updates be received for information.

### **Chair's Update**

It is my pleasure to bring you a brief update from the Source Protection Committee since I last spoke to the Severn Sound Source Protection Authority Board.

The Source Protection Committee has met four times since I last spoke to this Board. On July 7, 2020, the Committee started the process of reviewing and updating policies in the Source Protection Plan, in order to address challenges that Risk Management Officials were facing in implementation, or to come into conformity with changes to provincial policy since the plan was approved. Those conversations carried on to our meeting in December 2020 and February 2021, when possible revisions to policies addressing dense non-aqueous phase liquids, and road salt, respectively were discussed.

At our meeting in February, the Committee was also presented with draft technical work associated with changes to the municipal drinking water system in Oro-Medonte, including the planned municipal adoption of the Braestone drinking water system. These changes will require amendments to the Source Protection Plan to ensure it remains current and that the raw sources of those drinking water systems are protected.

Similar conversations carried on to our most recent meeting, in March of this year, when the committee was presented draft technical work for changes to municipal drinking

water systems in Clearview and Mulmur Townships. These changes will also require amendments to our Source Protection Plan.

At this last meeting, the committee also met to review the report on progress on implementing the Source Protection Plan. As with everything else, progress on plan implementation was significantly delayed by the pandemic, but the committee was pleased to see how much progress had been made, despite the pandemic.

In late 2020, the Ministry of Environment, Conservation and Parks posted some proposed amendments to the "Director's Technical Rules" on the Environmental Registry. These rules provide the specific guidance on implementing the Clean Water Act, including defining what a vulnerable area is, and when activities can be considered "significant" threats to drinking water. While the province has yet to make decisions on these proposals, it is anticipated that the Committee will need to continue to review and amend policies in the Source Protection Plan to ensure it stays in conformity with Provincial policy. That work, as well as reviewing technical work for other changes to municipal drinking water systems, will form the basis of several meetings of the Committee throughout the rest of this year.

Also this year, several members of the Source Protection Committee will come to the end of their terms. Under the Clean Water Act, members are appointed to the committee on overlapping five-year terms, and seven members are ending this year. Members are eligible to be reappointed for successive terms and I am hoping that many of our currently serving members will seek reappointment; however, a public process will also be undertaken to ensure others have an opportunity to join the committee as well.

Personnel has changed at the Province this year as well, including a new Assistant Deputy Minister and a new Director responsible for Source Water Protection at the Ministry of Environment, Conservation and Parks. I have had the pleasure of meeting both new staff remotely and shared with them my experience with the Sourcewater Protection Program, including some of the challenges and successes faced by this Region.

As with this Board, the Source Protection Committee has transitioned to remote meetings this past year. It has been relatively successful for us, and participation in meetings has been high. Like many other committees though, members miss seeing each other face to face and look forward to a time when in-person meetings can resume. There are several new members on the committee who began their terms just before the pandemic and accordingly have not yet met any of their fellow committee members in person. Hopefully in-person meetings will resume before the end of 2021.

Respectfully submitted,

Lynn Dollin

Chair



South Georgian Bay Lake Simcoe Source Protection Region

**Severn Sound Source Protection Authority (SPA)  
April 26, 2021 meeting**

**STAFF REPORT**

**No:** 01-21-SS SPA  
**Date:** April 26<sup>th</sup>, 2021  
**To:** Chair and Members of the SS SPA Board of Directors  
**From:** Melissa Carruthers, Risk Management Official / Risk Management Inspector

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**SUBJECT: Section 46 Drinking Water Source Protection Regional Annual Report to the Province**

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**APPLICABLE STRATEGIC PLAN GOALS:**

**Goal 1: Sound Science**

- Continue to offer exceptional services as the Source Protection Authority for Severn Sound
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**RECOMMENDATION:**

**RESOLVED THAT: Staff Report No. 01-21-SS SPA regarding the section 46 Drinking Water Source Protection Regional Annual Report be received for information.**

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**Purpose of Staff Report:**

The purpose of this Staff Report No. 01-21-SS SPA is to provide the regional South Georgian Bay Lake Simcoe Source Protection Plan annual implementation progress report, submitted under Section 46 of the *Clean Water Act* for review.

**Background:**

The South Georgian Bay Lake Simcoe Source Protection Plan (SPP) has been in effect since July 1, 2015. The local Source Protection Authorities (SPAs) are required to monitor and report on the implementation of the SPP policies, by February 1<sup>st</sup> of each year and that the lead Source Protection Authority (LSRCA) report to the Director of

Source Protection (MECP) on the implementation of all policies by May 1<sup>st</sup> of each year. As part of this process, the Source Protection Committee is provided an opportunity to comment on the report before its submission (report attached).

A primary objective of monitoring and reporting is to assess if threats to municipal drinking water sources are being reduced through the implementation of the Plan's policies. This information will help support any future amendments to the Plan and provide accountability and transparency to stakeholders.

Essential implementation actions such as establishing a Risk Management Office and drafting policies for municipal Official Plans have been completed across the Source Protection Region. Most municipalities have successfully negotiated some of their required risk management plans (RMPs). Ontario ministries have completed the task of reviewing previously issued provincial approvals (prescribed instruments such as Nutrient Management Plans) where they have been identified to address existing activities that may pose a risk to sources of drinking water.

#### **Discussion/Issues:**

At the March 31<sup>st</sup>, 2021 meeting, the Source Protection Committee reviewed the data provided to Source Protection staff and identified the following key findings.

- All municipalities have submitted their annual reports to Source Protection Authority staff.
- Most policies (98%) that address significant drinking water threats in the Plan have been or are in the process of being implemented in accordance with the timelines set out in the Plan or otherwise amended.
- It is estimated that 89% (3157 of 3514) of existing significant drinking water threats have been mitigated through policy implementation.
- Two hundred and fifty-one (251) RMPs have been established and an estimated 119 RMPs remain to be negotiated across the Source Protection Region. Historic rates of RMP establishment suggest the July 2022 deadline is unlikely to be met as a region. In addition, the rate of RMP negotiation in the remaining 14 months leading up to the deadline will be impacted by the COVID-19 pandemic.
- Nine hundred and twenty-seven (927) of an estimated 2110 round-two on-site sewage (septic) system inspections have been completed with approximately 9 months remaining until the 2022 deadline.

The Source Protection Committee noted that while it is important that Risk Management Officials continue to provide education to businesses and landowners and nurture the strong relationships that have been built over the last 5 years, it is essential that the safety of RMOs and the public remain the priority during the pandemic. The Source Protection Committee has indicated that it is satisfied with the current rate of progress on plan implementation.

#### **Summary and Recommendation:**

The various implementers of the South Georgian Bay Lake Simcoe Source Protection Plan have submitted their 2020 annual reports to the Source Protection Authority as required under the *Clean Water Act*. The reports show that implementation of the Plan

is currently progressing at a satisfactory rate. Most Plan policies are progressing in accordance with the timelines specified in the Plan.

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Attachment:  
Appendix A: 2020 Source Protection Annual Progress Report

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Prepared by:

Approved for Submission by:

*Original signed by*

*Original signed by*

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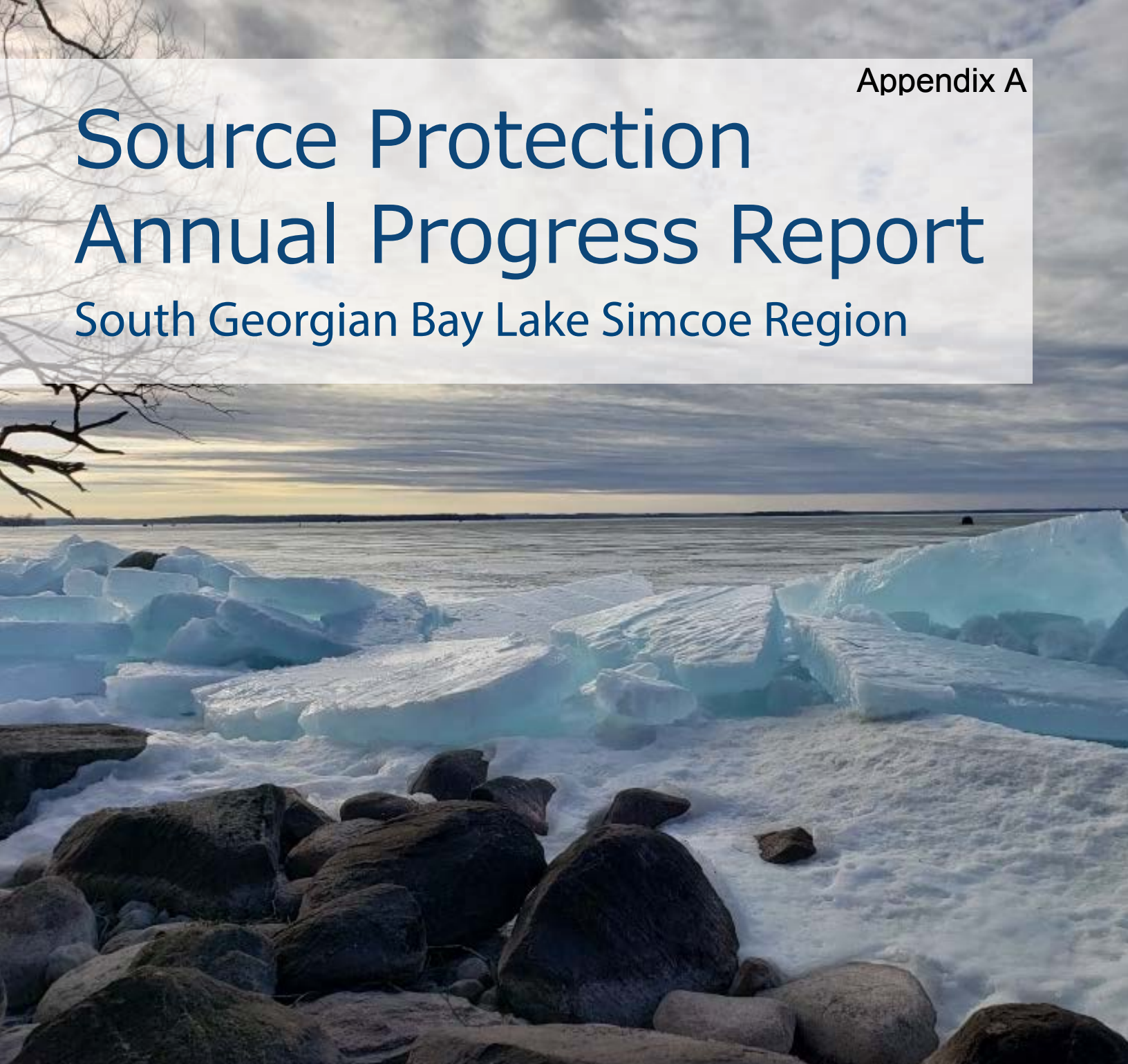
Melissa Carruthers, Risk Management  
Official / Risk Management Inspector

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Julie Cayley, Executive Director

# Source Protection Annual Progress Report

## South Georgian Bay Lake Simcoe Region



On the Implementation of the  
South Georgian Bay Lake Simcoe  
Source Protection Plan

Reporting period January 1 - December 31, 2020

[Ourwatershed.ca](http://Ourwatershed.ca)

**Water**  
*is life.*  
**Protect**  
*Yours.*



# DRINKING WATER SOURCE PROTECTION

South Georgian Bay Lake Simcoe Region

## Source Protection Annual Progress Report | 05/01/2021

### I. Introduction

This annual progress report briefly summarizes the progress made in implementing the source protection plan for the Lakes Simcoe & Couchiching Black River, Nottawasaga Valley and Severn Sound Source Protection Areas, as required by the Clean Water Act and its regulations for the 2020 calendar year.

Protecting the sources of our drinking water is the first step in a multi-barrier approach to safeguard the quality and quantity of our water supplies. The source protection plan is the culmination of extensive science-based assessments, consultation with the community, collaboration with local stakeholders and the province, and research. The implementation of the policies contained in the source protection plan will ensure that activities carried out in the vicinity of municipal drinking water supply wells and lake-based drinking water intakes will not pose a significant risk to those supplies.



## 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 COVID-19 pandemic has impacted progress made in achieving source protection plan objectives in 2020 and will continue to have an impact into the future. Despite that, all municipalities submitted their 2020 annual reports to the Source Protection Authority. Municipalities in our source protection region have processes in place to ensure their planning decisions conform to our source protection plan. Ninety-eight percent of the policies that address significant drinking water threats in our Plan have been or are being implemented. Approximately 89% of the 3,514 significant drinking water threats that existed at the time of source protection plan approval have been addressed through policy implementation. While 251 risk management plans (RMPs) have been established as of December 31, 2020, the rate at which RMPs are established will need to increase significantly to complete the estimated 119 outstanding RMPs by the July 2022 deadline. It will be important to evaluate progress on outstanding RMPs over the next several months while ensuring the safety of RMOs and the public remain the priority during the pandemic.

### III. Our Watershed

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

The South Georgian Bay Lake Simcoe source protection region contains four watersheds and spans over 10,000 km<sup>2</sup>, from the Oak Ridges Moraine in the south to the Canadian Shield in the north and is comprised of the Black-Severn, Lake Simcoe, Nottawasaga Valley and Severn Sound watersheds. The region contains portions of the Niagara Escarpment, Oak Ridges Moraine, Oro Moraine, Peterborough Drumlin Fields, Simcoe Uplands and Lowlands and the Canadian Shield. The region includes:

- 4 watersheds
- 52 municipalities
- 3 First Nations communities
- 107 drinking water systems
- 276 municipal supply wells
- 16 municipal surface water intakes
- More than 50,000 private wells

All told, the South Georgian Bay Lake Simcoe region has about one third of the municipal drinking water systems in the province.

The region is complex and diverse in terms of geology, physiography, population, and development pressures, with many, often conflicting, water uses including drinking water supply, recreation, irrigation, agriculture, commercial and industrial uses, as well as ecosystem needs.

These differences represent a significant challenge for the development of a source water protection plan because of the associated variability of available information upon which to base the technical work, the differing stresses on water resources related to development pressure and population growth, and the differences in the nature, density and locations of threats to the quality and quantity of water resources.

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

### **1. Source Protection Plan Policies and Addressing Significant Risks**

The South Georgian Bay Lake Simcoe Source Protection Committee included 129 policies in their source protection plan to address 21 prescribed threats, protect sources of drinking water and monitor the progress of policy implementation.

Since the source protection plan took effect over five years ago, much has been accomplished. To date, and 100% of the legally binding policies that address significant drinking water threat activities, have been implemented (40%), are in the process of being implemented (48%), or have been evaluated and determined no further action is required (6%).

**P: Progressing Well/On Target**

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

Of the 52 municipalities (upper, lower and single-tier) within the South Georgian Bay Lake Simcoe Source Protection Region, 43 of these are subject to one or more source protection plan policies. The remaining 9 municipalities do not have vulnerable areas where policies apply.

Planning departments and building officials are screening applications for locations within vulnerable areas where threats to drinking water sources are possible and policies may apply.

Municipalities in our source protection region are also required to take the next step to review and update their Official Plan to ensure it conforms with the local source protection plans the next time they undertake an Official Plan review under the Planning Act. Official Plans have either been amended or are being reviewed for inclusion of source protection requirements. Of the 43 municipalities that are subject to source protection plan policies, 41 have amended or are in the process of amending their Official Plan to conform with the source protection plan for our region.

**P: Progressing Well/On Target**

### 3. Septic Inspections

Within our source protection region, 2110 septic systems are required to be inspected as part of the 5-year inspection cycle. We are currently nearing the end of the second round of inspections, which are to be completed by January 2022. To date, 927 (44%) of on-site sewage systems have been inspected in accordance with the Ontario Building Code in the second round.

**P: Progressing Well/On Target**

### 4. Risk Management Plans

251 risk management plans have been established in our source protection region as of December 31, 2020 with 19 of those being completed within the 2020 calendar year.

32 inspections have been carried out in 2020 by a Risk Management Official/Inspector (RMO/I) for prohibited or regulated activities. There is a greater than 99% compliance rate with the risk management plans established in our source protection region.

We have made significant progress in establishing RMPs however it will be challenging to meet the 2022 deadline. It is difficult to gauge exactly how many Significant Drinking Water Threats will be removed through threats verification work (and therefore not require an RMP). For RMOs representing municipalities that have RMPs remaining, the rate of RMP establishment will need to increase.

**S: Satisfactory**

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

Ontario ministries are reviewing applications for new or amended and 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 activities that pose a significant risk to sources of drinking water. The provincial approvals are being issued, denied, amended or revoked, where necessary, to conform to plan policies. Our policies set out a timeline of 5 years from the date the source protection plan took effect (July 1, 2015) to complete the review of existing activities and make any necessary changes to previously issued approvals. The timeline for new or amended prescribed instruments is outlined in the Plan as the day the Source Protection Plan took effect. The Ministries have reported 100% completion of previously issued provincial approvals in our source protection region and have a review protocol in place to screen all new applicable approval applications.

**P : Progressing Well/On Target**

## 6. Source Protection Awareness and Change in Behaviour

To raise awareness about the protection of local drinking water sources, municipalities across the South Georgian Bay Lake Simcoe region have installed 66 drinking water protection zone signs in 2020 on municipal roads surrounding vulnerable areas, for a total of 334 signs. In addition, 14 signs have previously been installed on provincial highways.

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

Of the 129 policies included in the Source Protection Plan, all (with the exception of one) are currently being implemented or are in the process of being implemented. The only policy that has had no progress made to date is the non-legally binding policy on transport pathways (TP-1). This policy only applies to one municipality in the Severn Sound Source Protection Area. Within this area there are numerous significant drinking water threats and managing these threats through the use of legally binding policies has been the main priority to date. This policy will continue to be considered in future work plans.

## 8. Source Water Quality: Monitoring and Actions

### **City of Barrie** - Barrie Well Supply - Central Well Field

Issue contributing area for:

- Sodium
- Chloride

An increasing concentration/trend has been observed.

The City of Barrie is developing Risk management plans based on the Threat Based Approach and all City contractors are Smart about Salt certified.

### **Penetanguishene** - Robert Street West Supply Well

Issue contributing area for:

- TCE

Not enough data/information available to determine changes in concentration/trend.

### **Brock** - Cannington Well Supply - Arena Well Field

- TCE

A decreasing concentration/trend has been observed.

### **Severn** - Coldwater Well Supply

Issue contributing area for:

- TCE

A decreasing concentration/trend has been observed.

### **Tiny Township** - Lafontaine Well Supply

Issue contributing area for:

- Nitrate

An increasing concentration/trend has been observed.

### **Tiny Township** - Georgian Sands Well Supply

Issue contributing area for:

- Nitrate

An increasing concentration/trend has been observed



## 9. More from the Watershed

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

<http://www.ourwatershed.ca>

Education and outreach is an important part of implementing Source Protection. Source Protection Authorities, Municipalities and RMOs within the region continue to engage the community through site visits, media, workshops, etc.

In 2020 the Lake Simcoe & Couchiching Black River Source Protection Authority held a virtual, interactive training session to explain the process for updating source protection plans to account for changes to a drinking water system. The training session was attended by municipal staff, consultants, and source water protection staff from outside our source protection region. The presenters used a role play exercise to walk attendees through the various stages of the s.34 amendment process and explained the responsibilities and expectations of the various parties involved.

# Annual Report to the Ministry - Progress Made in Protecting Sources of Drinking Water

Melissa Carruthers, RMO/RMI  
April 26, 2021



**Water**  
*is life.*  
**Protect**  
**Yours.**

# Presentation Outline

- Objectives of Annual Reporting
- Reports Due to the Province
- Progress Update (RMPs, OPA, Septics, LUP Policy)
- Ministry Progress on Prescribed Instruments
- Potential Issues
- Next Steps
- Summary Points
- Recommended Progress Score
- Questions?

# Objectives of Annual Reporting

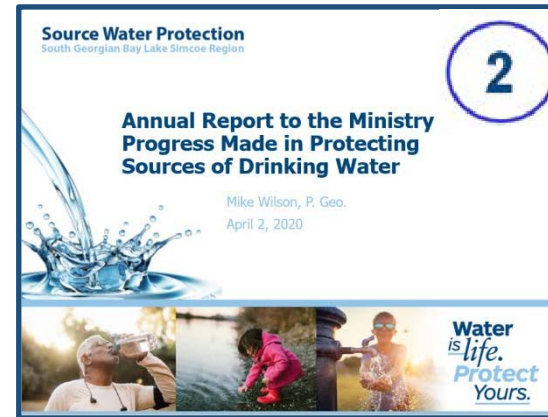
## Primary Goal:

To assess if threats to drinking water supplies were reduced through the implementation of the Source Protection Plan

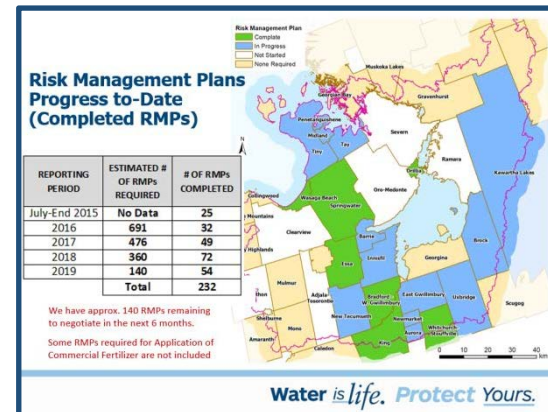
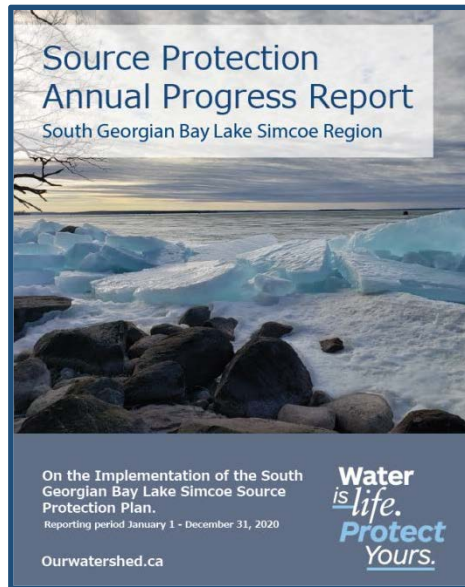
## Secondary Goals:

1. Ensure program effectiveness and efficiency
2. Provide accountability and transparency through public reporting
3. Inform future budget requests
4. Reduce uncertainty of plan success or failure
5. Inform decision-making and implementation
6. Enable more effective on-the-ground management of SDWTS

# Reports Due to the Province



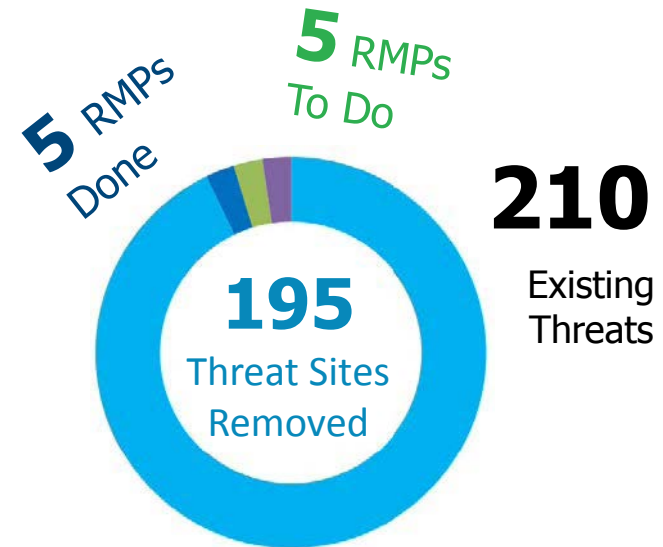
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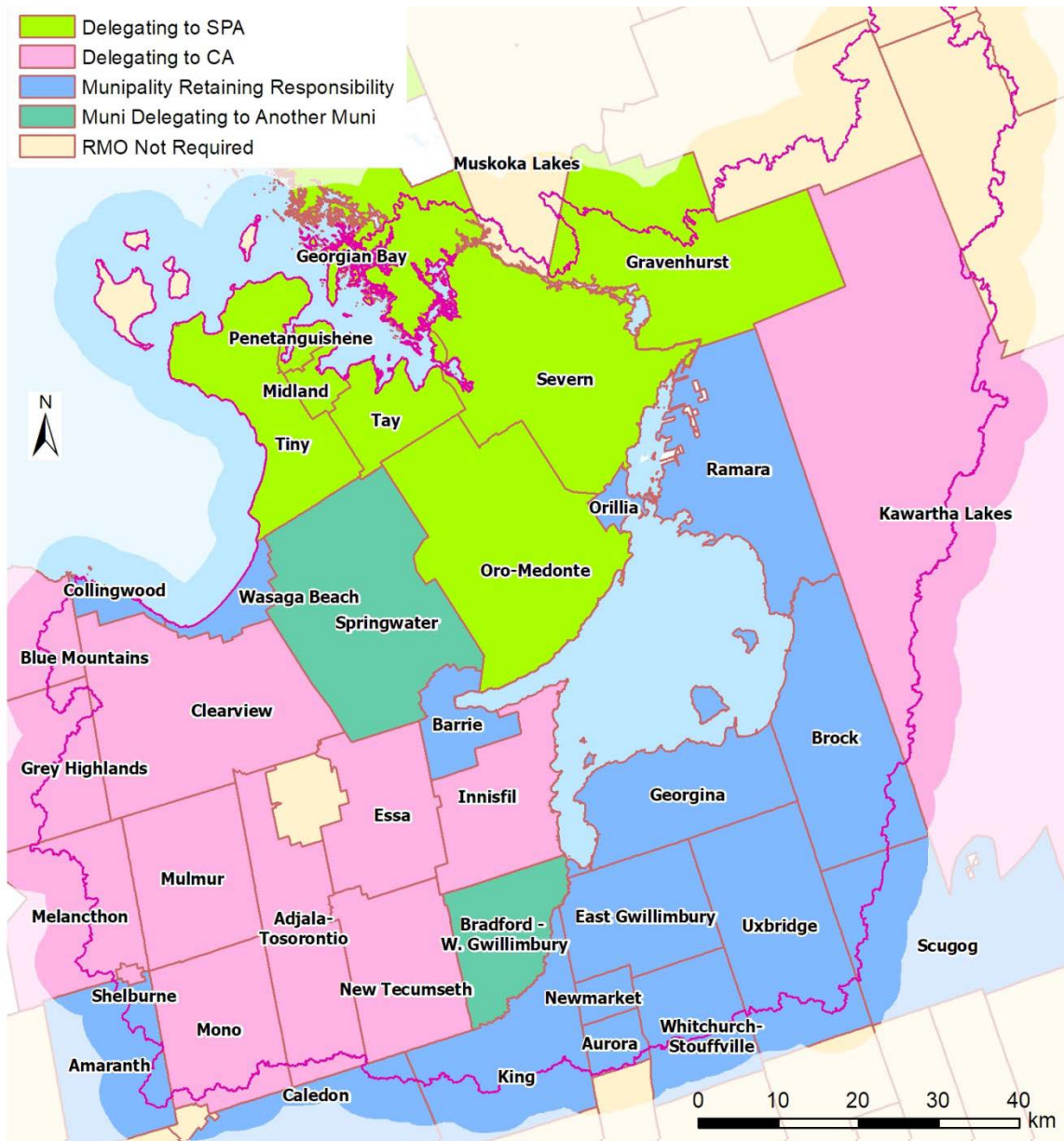
# Annual Reporting Components

Part IV

1. Establishment of a Risk Management Office
2. Number of Risk Management Plans
3. Number of inspections
4. Qualitative assessment of policy effect
5. Status of Official Plan update and Zoning By-law amendment
6. Progress on Septic Inspection Program
7. Ministry Reporting (Prescribed Instruments)



# Risk Management Official Status

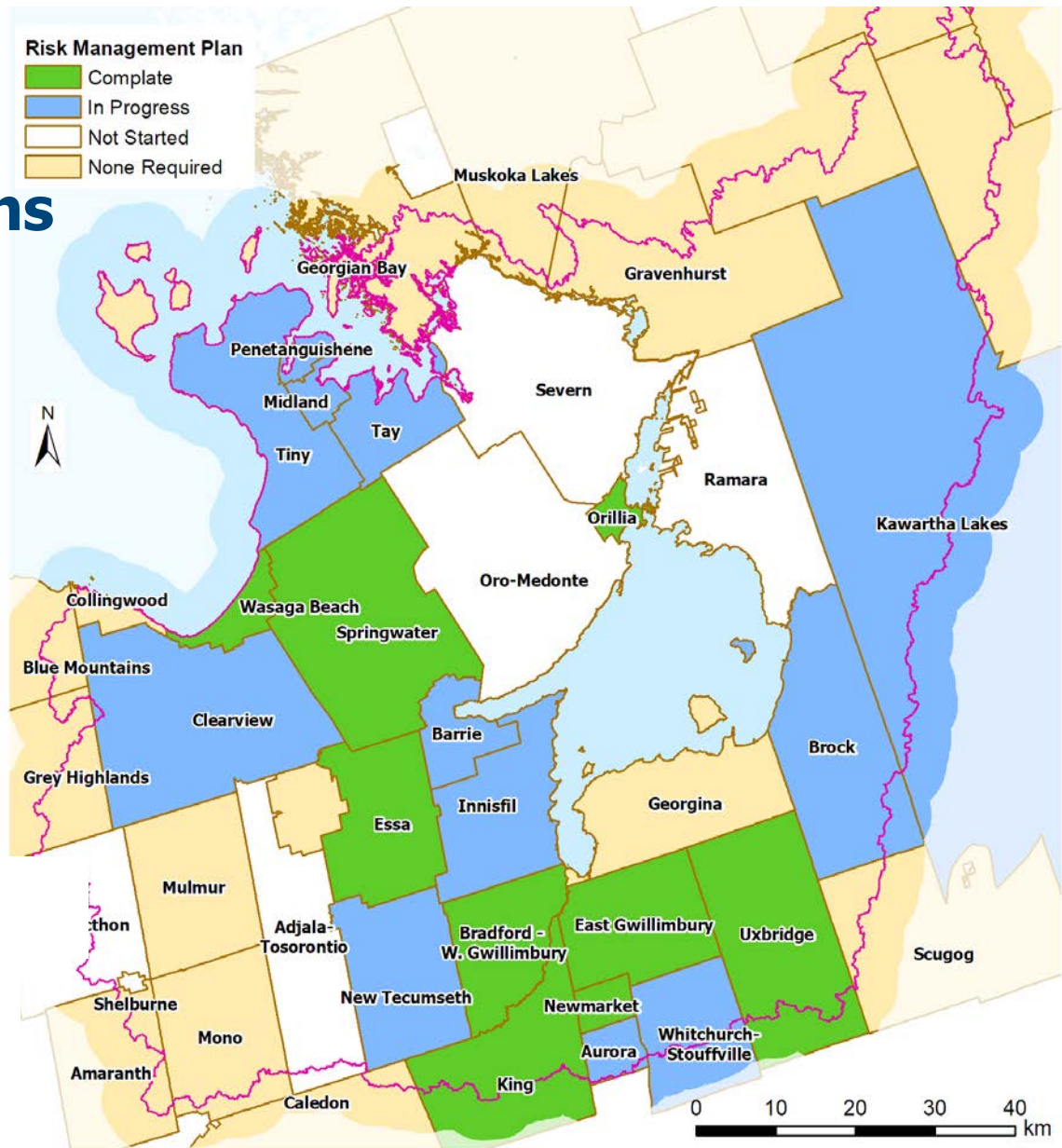


# Risk Management Plans Progress to-Date (Completed RMPs)

REPORTING PERIOD	ESTIMATED # OF RMPs REQUIRED	# OF RMPs COMPLETED
Half of 2015	No Data	25
2016	691	32
2017	476	49
2018	360	72
2019	140	54
<b>2020</b>	<b>119</b>	<b>19</b>
<b>Total</b>		<b>251</b>

We have approx. 119 RMPs remaining to negotiate with 15 months to go.

Some RMPs required for Application of Commercial Fertilizer are not included

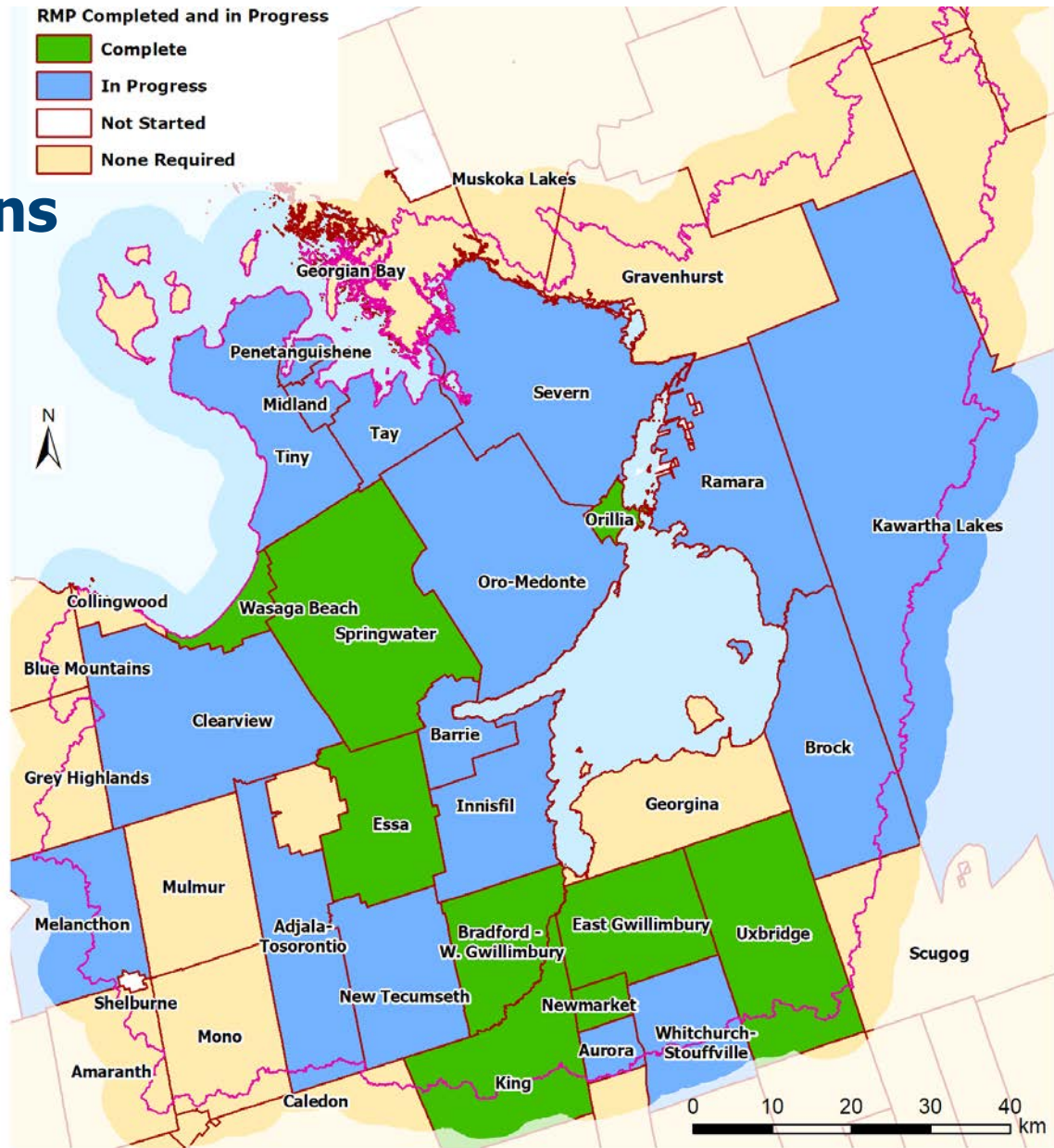




# Risk Management Plans Progress to Date (Completed and In-Progress RMPs)

Q: How many RMPs were considered In-Progress as of December 31, 2020?

A = 87



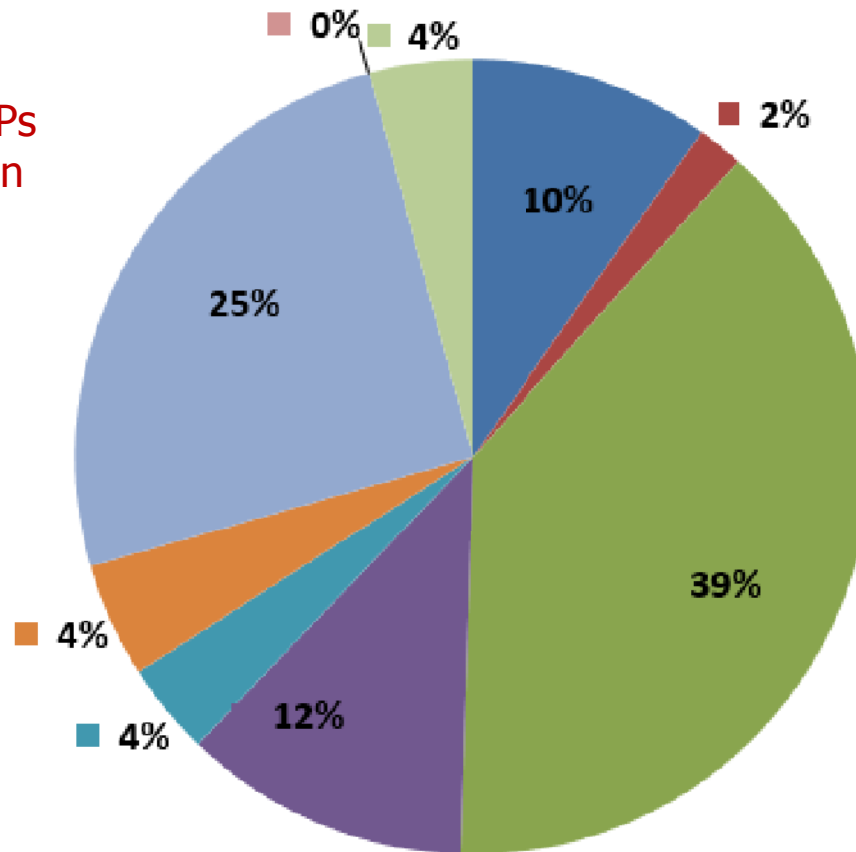
# Progress Made Addressing Threats

**89% of the existing SDWTs addressed through policy implementation**

Prescribed Drinking Water Threat / Local Threat / Condition	A (#SDWT at SPP approval)	B (# SDWT added after approval)	C (# SDWT removed via verification)	D (SDWT addressed via policy)	Still to be Addressed
The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the EPA	66	12	67	5	6
The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage	1948	429	88	2203	86
The application of agricultural source material to land	115	7	99	2	21
The storage of agricultural source material	27	3	25	1	4
The management of agricultural source material	0	0	0	0	0
The application of non-agricultural source material to land	7	3	10	0	0
The handling and storage of non-agricultural source material	3	0	3	0	0
The application of commercial fertilizer to land	268	151	60	276	83
The handling and storage of commercial fertilizer	26	2	22	1	5
The application of pesticide to land	110	14	90	9	25
The handling and storage of pesticide	20	2	16	1	5
The application of road salt	2	39	1	32	8
The handling and storage of road salt	3	46	2	37	10
The storage of snow	1	41	1	33	8
The handling and storage of fuel	274	13	194	60	33
The handling and storage of a dense non-aqueous phase liquid	559	302	597	210	54
The handling and storage of an organic solvent	52	3	52	3	0
The management of runoff that contains chemicals used in the de-icing of aircraft	0	0	0	0	0
The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard	32	3	25	1	9
Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0	0
Reducing recharge of an aquifer	1	1	2	0	0
Establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0	0
<b>Total</b>	<b>3514</b>	<b>1071</b>	<b>1354</b>	<b>2874</b>	<b>357</b>

# Factors Contributing to Delays in Establishing RMPs

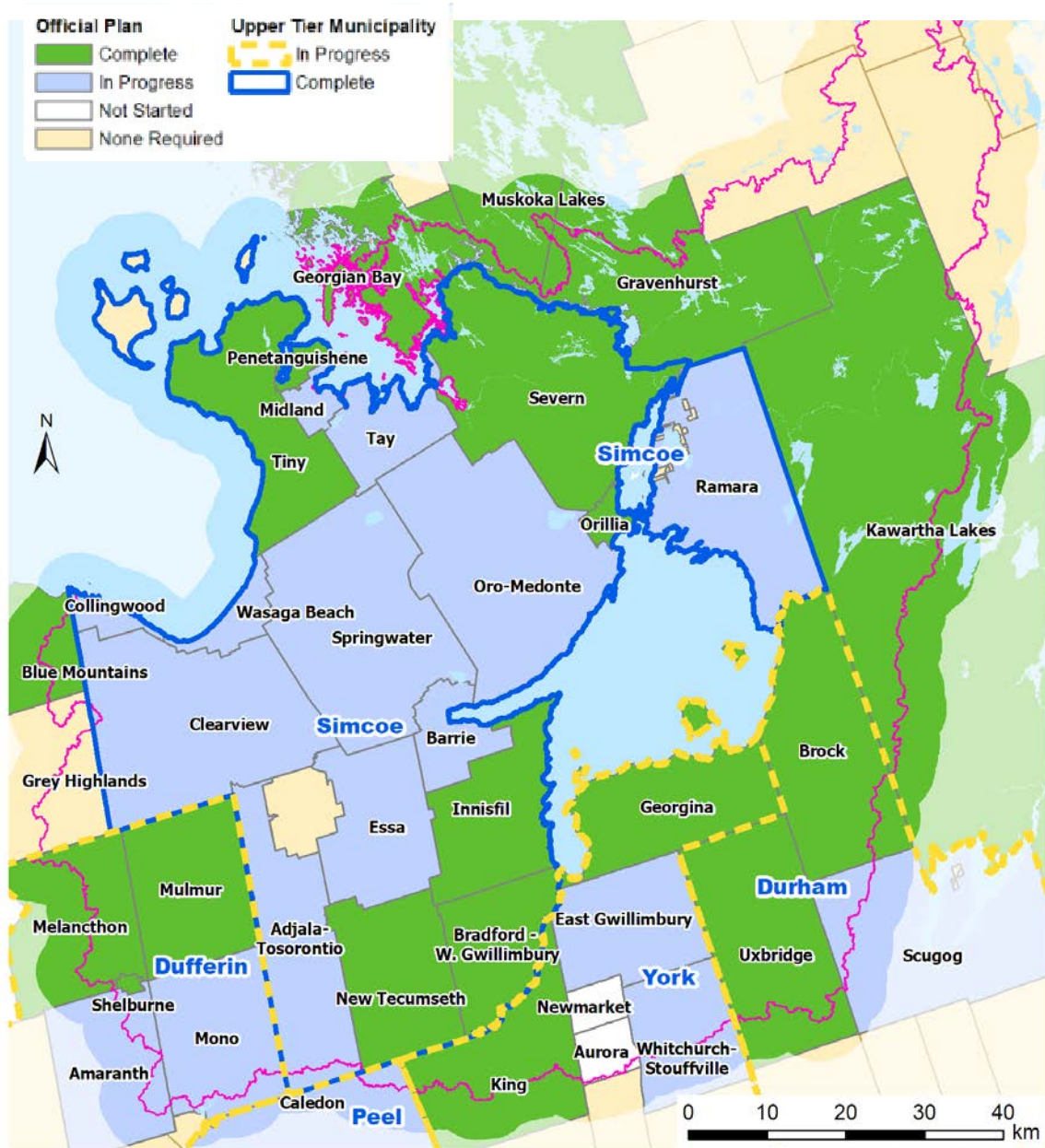
On average it took 22 months to complete Agricultural-based RMPs in our region (based on 11 completed RMPs in 2016-2018)



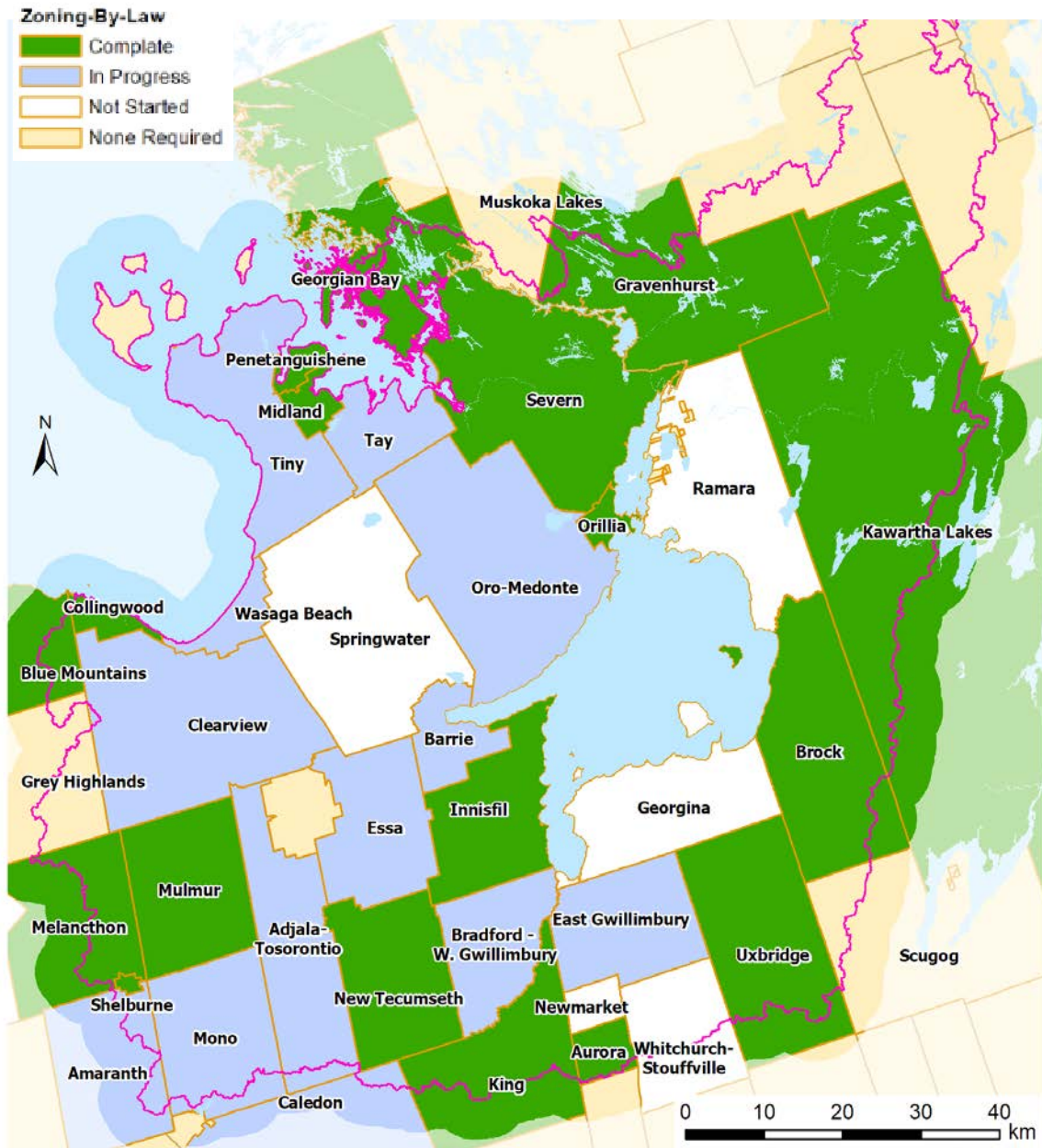
74%

- ASM app.
- ASM store
- Fertilizer
- Pesticide App.
- Salt App.
- Salt Store
- DNAPL H&S
- Organiz Solvent
- Grazing
- Reducing Recharge

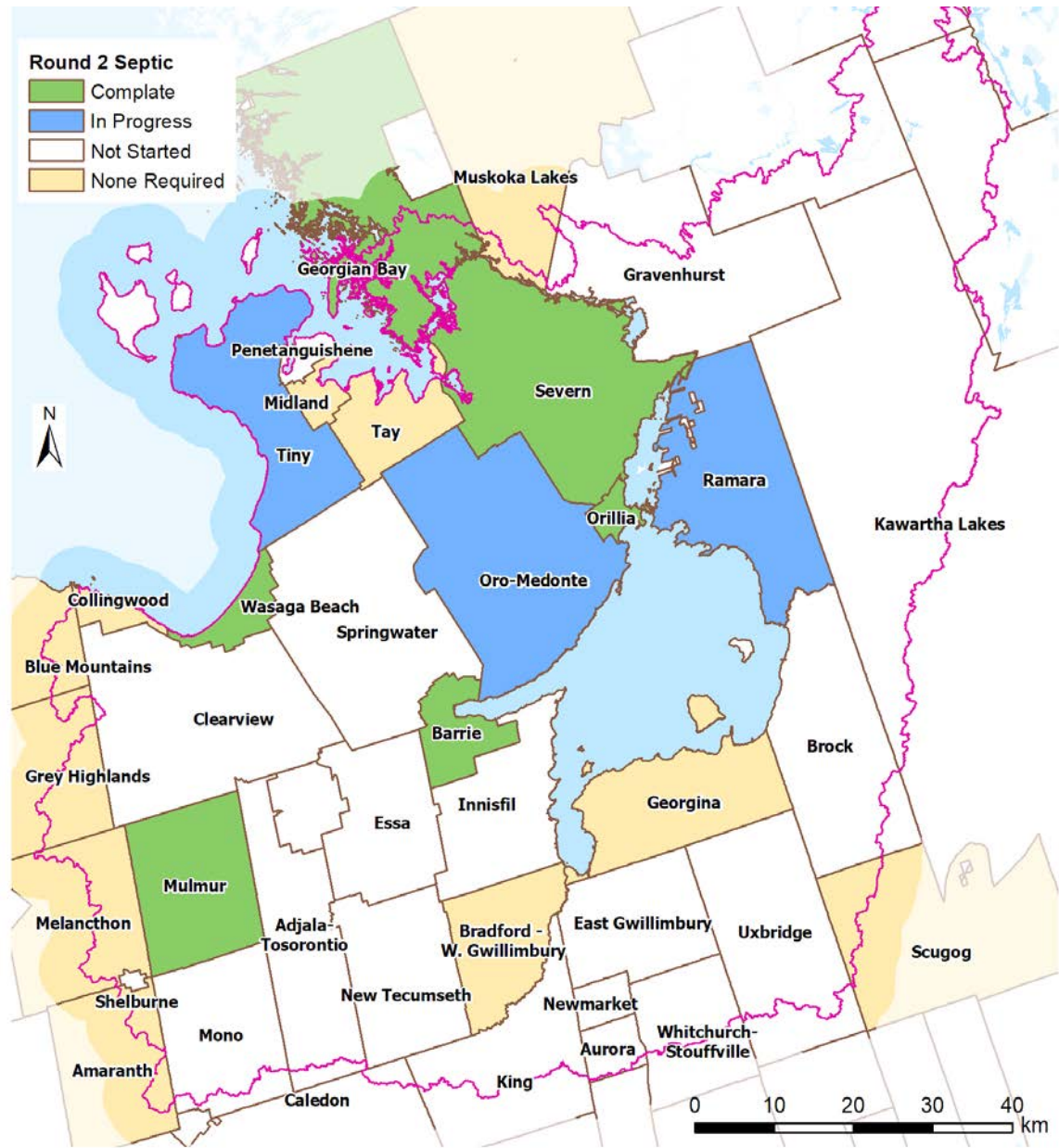
# Official Plan Updates Progress to Date



# Zoning Bylaw Amendments Progress to Date



# Septic Inspections Progress to Date



# Ministry Progress in Addressing Existing Threats

## MECP

Fuel Handling  
& Storage

Permit to  
Take Water

Wastewater /  
Sewage Works

Landfilling  
and Storage



OMAFRA

100% Complete

Non-Agricultural  
Source Material Plans

Nutrient Management  
Strategies



# Potential Issues - RMPs

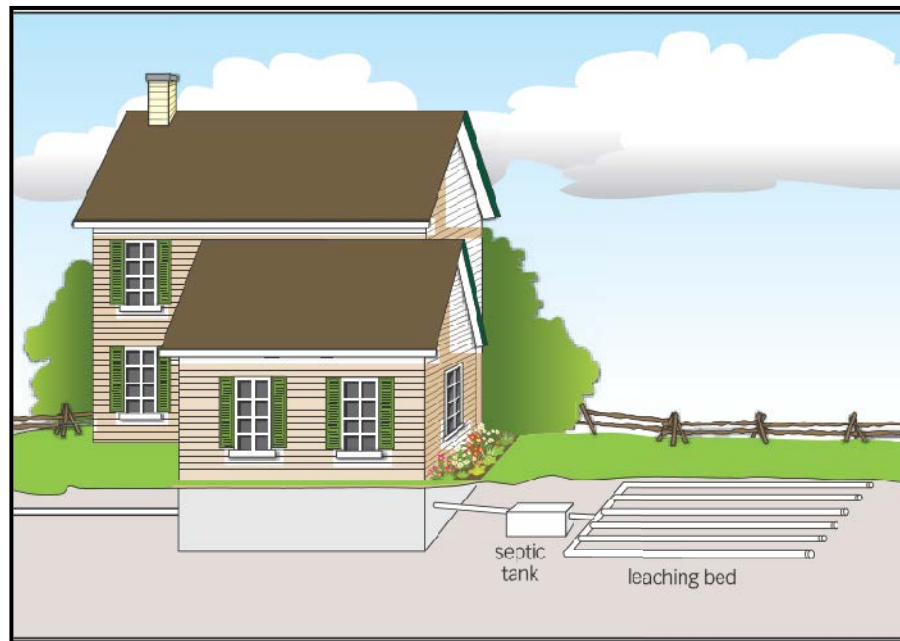
- The COVID-19 pandemic has significantly impacted RMP negotiation across the province in the past year.
- The rate of RMP negotiation over the final 15 months will be impacted by the current COVID-19 pandemic.
- Some Risk Management Officials will need to significantly increase the rate of Risk Management Plan establishment to complete all required RMPs by the 2022 deadline.





# Potential Issues – Septic Inspections

- More than 1,100 Septic Inspections (second round) need to be completed by the February 2022 deadline.
- The COVID-19 pandemic may impact the ability of municipalities to complete the inspections by the deadline (one warm season remains).



# Next Steps - RMPs

- Lead Source Protection Authority staff (LSRCA) will bring progress reports on Risk Management Plan status to future Source Protection Committee meetings
- May request another review of the deadline, to account for the disruption caused by COVID



# Summary Points

1. All municipalities submitted their 2020 annual reports to the Source Protection Authorities. Municipalities in our source protection region have processes in place to ensure that their day-to-day planning decisions conform to our source protection plan.
2. Ninety-eight percent (98%) of the policies that address significant drinking water threats have been or are being implemented.
3. Approximately 89% of the existing SDWTs have been addressed through policy implementation.
4. While 251 RMPs have been established as of December 31, 2020, the rate at which the RMPs are established will need to increase significantly to complete the estimated 119 outstanding RMPs by the July 2022 deadline.
5. Nine hundred and twenty-seven (927) of the estimated 2110 round-two on-site sewage (septic) system inspections have been completed by municipal staff with 10 months remaining until the 2022 deadline.

# Progress Score

- The Source Protection Committee provide a progress score of:

## S: Satisfactory

on achieving source protection plan objectives this reporting period.

(Satisfactory = Some of the source protection plan policies have been implemented and/or are progressing in accordance with the timelines specified in the source protection plan)



**A clean glass of water starts  
long before you turn on the tap**

# Thank you!

# Questions?

Melissa Carruthers, RMO/RMI  
Severn Sound Environmental Association  
705-534-7283, ext. 205  
[mcarruthers@severnsound.ca](mailto:mcarruthers@severnsound.ca)



South Georgian Bay Lake Simcoe Source Protection Region

Severn Sound Source Protection Authority (SPA)  
April 26<sup>th</sup>, 2021 meeting

STAFF REPORT

**No:** 02-21-SS SPA  
**Date:** April 26<sup>th</sup>, 2021  
**To:** Chair and Members of the SS SPA Board of Directors  
**From:** Melissa Carruthers, Risk Management Official / Risk Management Inspector

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**SUBJECT:** Severn Sound Source Protection Authority (SS SPA) Drinking Water Source Protection Update and SSEA Risk Management Services 2021 Q1 Update

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**APPLICABLE STRATEGIC PLAN GOALS:**

**Goal 1: Sound Science**

- Continue to offer exceptional services as the Source Protection Authority for Severn Sound

**Goal 2: Supportive Partnerships**

- Strengthen & build relationships for the implementation of Part IV of the Clean Water Act
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**RECOMMENDATION:**

**RESOLVED THAT:** Staff Report No. 02-21-SS SPA regarding an update on the activities undertaken by SS SPA and SSEA Risk Management staff during Q1 of 2021 be received for information.

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Purpose of Staff Report

The purpose of this report is to provide an update on the activities that Severn Sound Source Protection Authority and SSEA Risk Management staff have undertaken during the first quarter of 2021.

Background

Under the *Clean Water Act, 2006* the SSEA is one of the Source Protection Authorities within the South Georgian Bay Lake Simcoe Source Protection Region (SGBLS SPR) and work with our member municipalities as well as the District Municipality of Muskoka to implement the Drinking Water Source Protection (DWSP) Program.

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Historically staff of the SSEA has been delegated by 8 municipalities (District Municipality of Muskoka, Townships of Georgian Bay, Severn, Oro-Medonte, Tay, Tiny, and Towns of Midland and Penetanguishene) to preform risk management services on behalf of their municipality under Part IV of the *Clean Water Act*. To date that work has included verifying significant drinking water threats (SDWTs) via phone calls, surveys, and site visits and if a SDWT was found, the negotiation of a risk management plan are underway. Answering inquiries from the general public or municipal staff and commenting on development proposals is also a large part of what the risk management staff does.

Analysis:

SPA – During the first quarter of 2021 Source Protection Authority staff completed the following tasks:

- Continuing to support municipalities in updating Assessment Reports for new or changing water systems in Oro-Medonte, Severn, and Midland
- Assisted municipalities in meeting their February 1, 2021 annual reporting requirements
- Attended 7 regional or provincial meetings on various topics such as communications, assessment report update requirements, Source Protection Committee meetings, and risk management topics specific to the drinking water source protection program
- Conducted a Drinking Water Source Protection 101 workshop for municipal staff, primarily planners
- Negotiated 2021/22 work plan and funding ask with the Province

RMO - During the first quarter of 2021 risk management staff has completed the following tasks:

- Commented on 33 development applications (266% increase over the same time period in 2020), answered 8 inquiries, sent out 2 Draft Risk Management Plans, and attended 1 pre-consultation meeting.

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Attachment:

Status of Risk Management Plans in the Severn Sound Area table

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Prepared by:

Approved for Submission by:

*Original signed by*

*Original signed by*

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Melissa Carruthers, Risk Management  
Official / Risk Management Inspector

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Julie Cayley, Executive Director

Status of Risk Management Plans in the Severn Sound Area – As of March 31, 2021

Municipality	RMPs outstanding as of March 31, 2021	RMPs with potential to be removed	RMP process started	RMPs in draft
Georgian Bay	0			
Midland	16	8	16	
Oro-Medonte	2		2	2
Penetanguishene	2		2	1
Severn	10		10	1
Tay	1		1	
Tiny	20		20	18
<b>Total</b>	<b>51</b>	<b>8</b>	<b>51</b>	<b>22</b>
RMPs = Risk Management Plans				