



Lake Simcoe
Region
Conservation
Authority



South Georgian Bay Lake Simcoe Source Protection Region

**SEVERN SOUND SOURCE PROTECTION AUTHORITY
MEETING NO. 02-20-SS SPA
Thursday July 16, 2020 10:00 a.m.
Via video & telephone conference**

1. **WELCOME AND CALL TO ORDER**
2. **ADOPTION OF AGENDA**
3. **DECLARATION OF PECUNIARY INTEREST**
4. **APPROVAL OF PAST MINUTES FROM APRIL 16, 2020 SS SPA MEETING**
Minutes were approved at part of the June 4, 2020 SSEA meeting
BUSINESS ARISING FROM THE MINUTES
5. **2019 REGIONAL ANNUAL REPORTING UPDATE**
Staff Report No. 05-20-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
6. **RISK MANAGEMENT OFFICIAL/RISK MANAGEMENT INSPECTOR UPDATE**
Staff Report No. 06-20-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.
7. **OTHER BUSINESS**
8. **ADJOURN**

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

Melissa Carruthers – Risk Management Official / Risk
Management Inspector

July 16, 2020



Water
is life.
Protect
Yours.

Presentation Outline

- Objectives of Annual Reporting
- Progress Update (Risk Management Plans, Official Plan Amendments, Septic Inspections and Prescribed Instruments)
- Potential Issues
- Next Steps
- Summary Points
- Source Protection Committee's Comment on Progress
- Questions?

Objectives of Annual Reporting

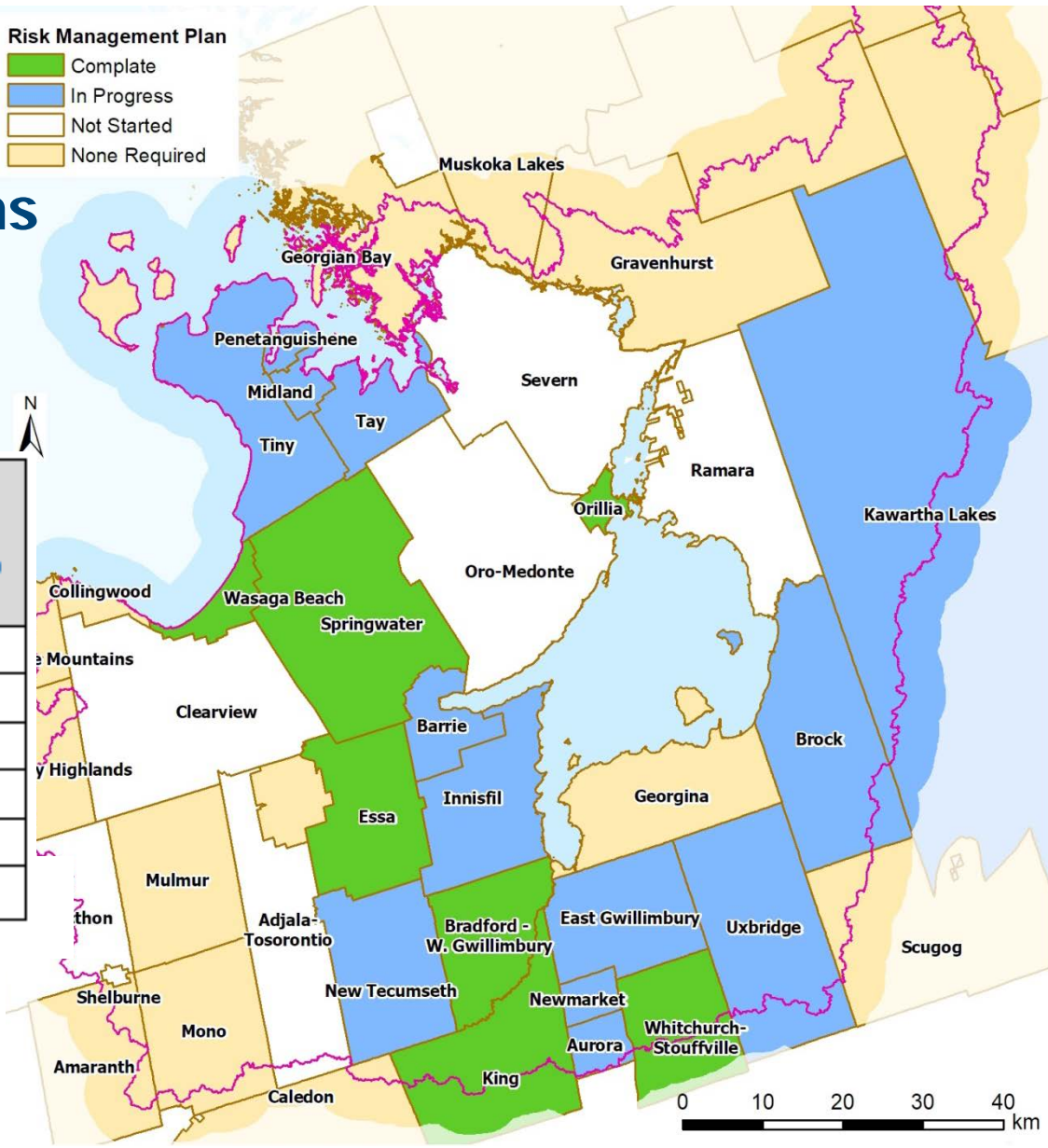
Primary Goal:

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

Risk Management Plans Progress to-Date (Completed RMPs)



Risk Management Plan
 Complete
 In Progress
 Not Started
 None Required

REPORTING PERIOD	ESTIMATED # OF RMPs REQUIRED	# OF RMPs COMPLETED
July-End 2015	No Data	25
2016	691	32
2017	476	49
2018	360	72
2019	140	54
Total		232

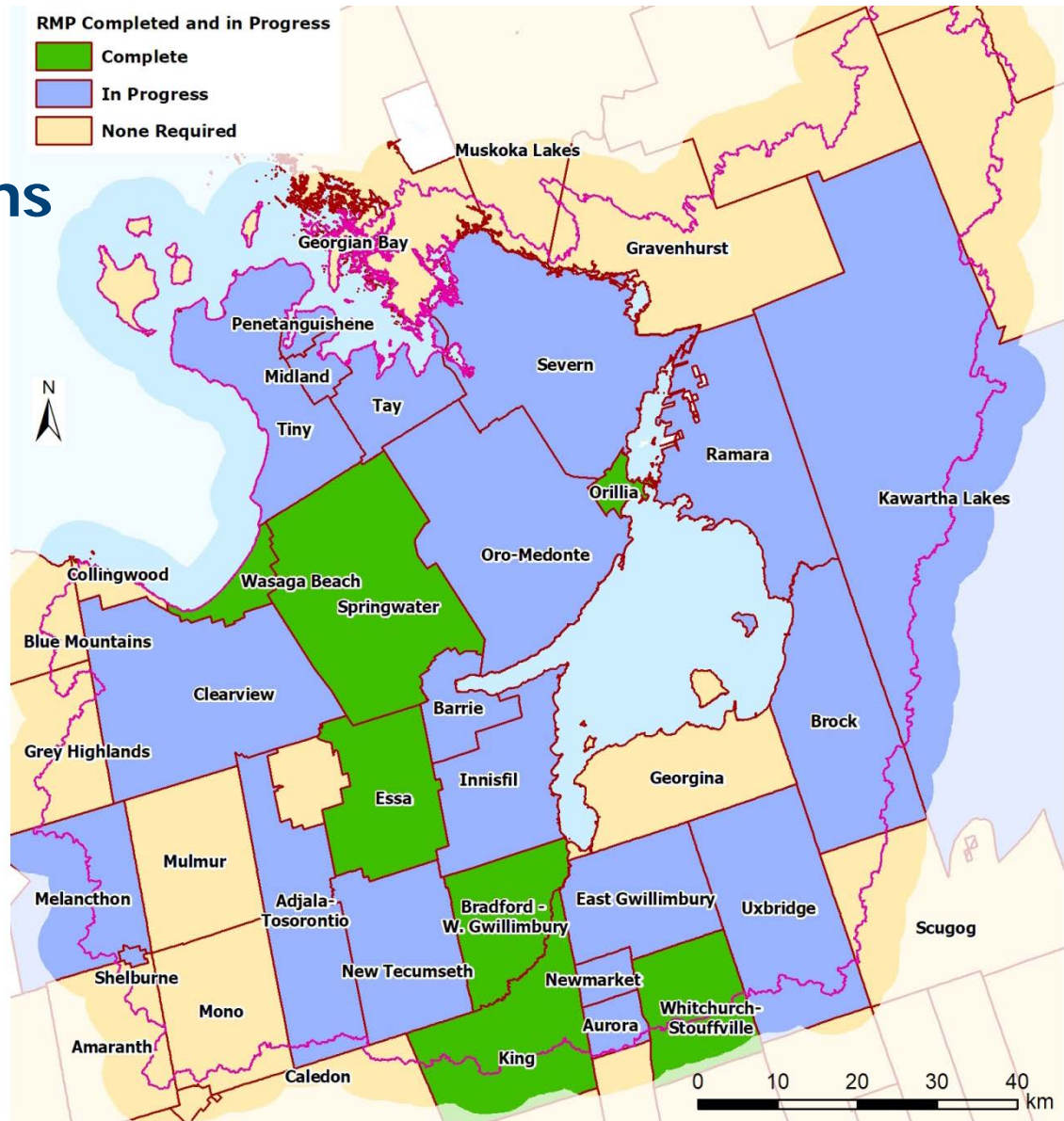
We have approx. 140 RMPs remaining to negotiate in the first 6 months of 2020.

Some RMPs required for Application of Commercial Fertilizer are not included

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

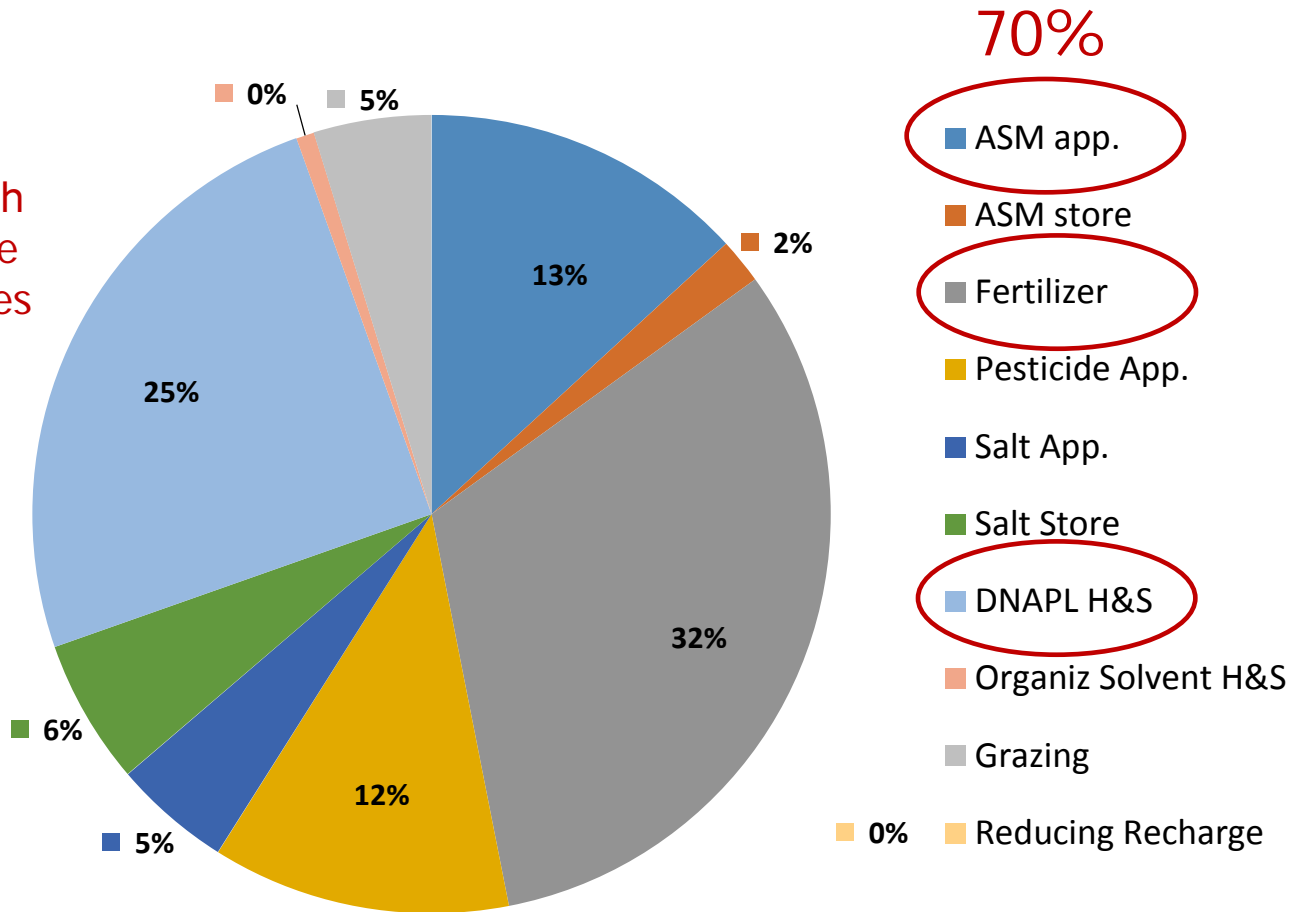
Q: How many RMPs were
considered In-Progress as
of December 31, 2019?

A = 110

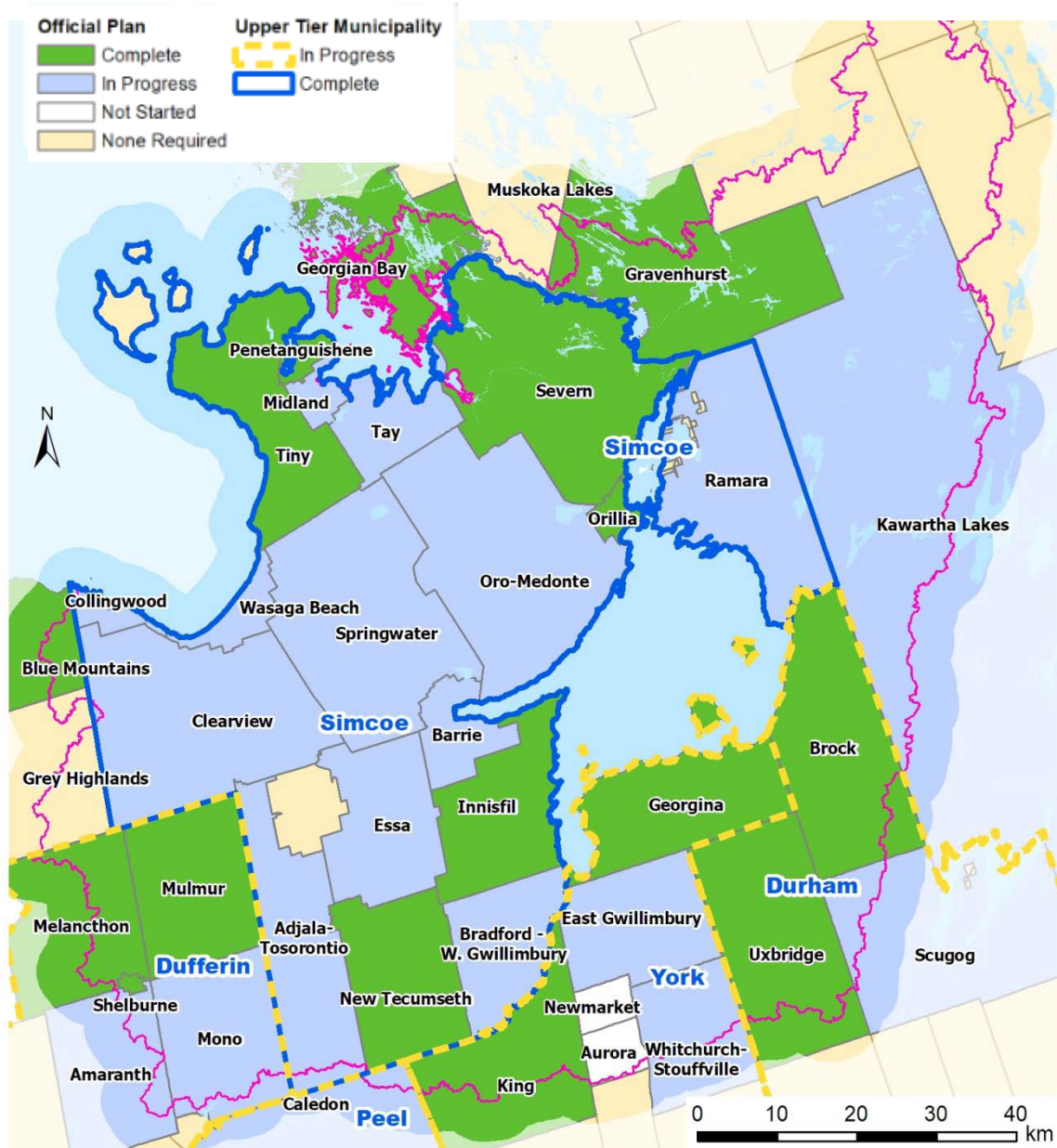


Factors Contributing to Delays in Establishing RMPs

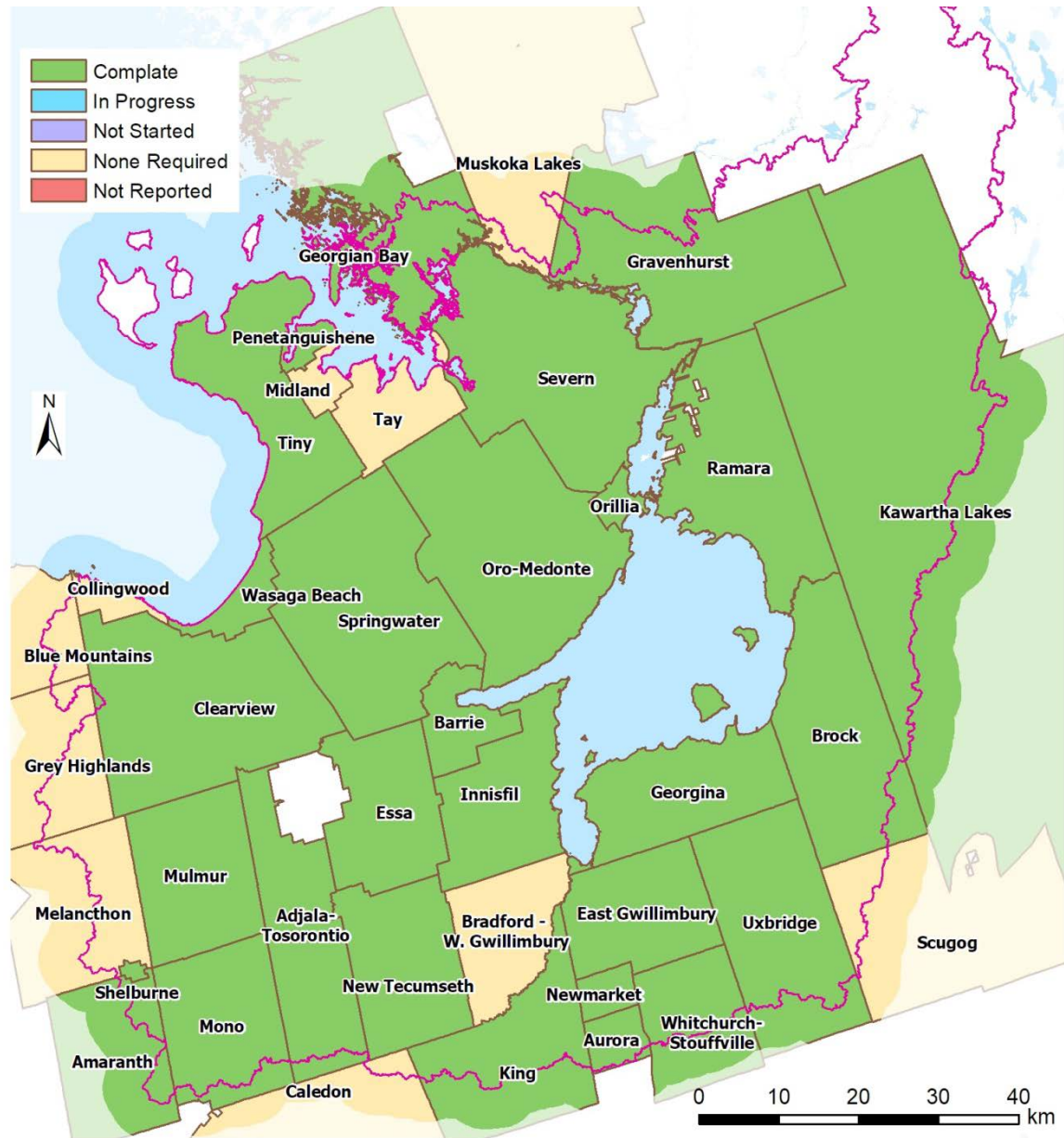
- RMOs hesitant to establish RMPs for DNAPLs as there may be changes to policies in the future
- On average it took 22 months to complete Agricultural-based RMPs in our region (based on 11 completed RMPs in 2016-2018)



Official Plan Updates Progress to Date



Septic Inspections Progress to Date



Ministry Progress in Addressing Existing Threats

Agency Name	Year	Number of PIs that may be a SDWT and need to be reviewed	Number of PIs where review has been completed	Number of PIs determined to be a SDWT	Number of PIs determined not to be a SDWT	Number of PIs amended or replaced	Number of PIs - no additional conditions were needed	Number of PIs revoked	Number of PIs where Final decision is pending	Total number of PIs reviewed and on which actions taken	Cumulative Progress Made (%) on PIs reviewed and actioned
Fuel Handling & Storage	2016	100	7	7	0	0	0	0	7		
	2017	0	9	5	95	5	0	0	0		
	2018	0	0	0	0	0	0	0	0		
	2019	0	-7	-7	0	0	0	0	-7		
	Total	100	9	5	95	5	0	0	0	100	100.00%
Permit to Take Water	2016	1	0	0	0	0	0	0	0		
	2017	0	0	0	0	0	0	0	0		
	2018	0	1	1	0	0	1	0	0		
	2019	0	0	0	0	0	0	0	0		
	Total	1	1	1	0	0	1	0	0	1	100.00%
Wastewater / Sewage Works	2016	47	1	1	0	0	0	0	1		
	2017	72	41	16	25	0	0	0	16		
	2018	-48	29	4	25	2	19	0	-17		
	2019	0	0	0	0	0	0	0	0		
	Total	71	71	21	50	2	19	0	0	71	100.00%
Landfilling and Storage	2016	5	2	2	0	0	0	0	2		
	2017	6	3	1	2	1	0	0	0		
	2018	-4	2	0	2	2	0	0	-2		
	2019	0	0	0	0	0	0	0	0		
	Total	7	7	3	4	3	0	0	0	7	100.00%
OMAFRA NASM Plans	2016	3	0	0	0	0	0	0	0		
	2017	1	4	0	4	0	0	0	0		
	2018	0	0	0	0	0	0	0	0		
	2019	0	0	0	0	0	0	0	0		
	Total	4	4	0	4	0	0	0	0	4	100.00%
OMAFRA NMS	2016	0	0	0	0	0	0	0	0		
	2017	0	0	0	0	0	0	0	0		
	2018	0	0	0	0	0	0	0	0		
	2019	0	0	0	0	0	0	0	0		
	Total	0	0	0	0	0	0	0	0	0	100.00%

Potential Issues - RMPs

- Some Risk Management Officials will need to significantly increase the rate of Risk Management Plan establishment to complete all required RMPs by the 2020 deadline.
- The rate of RMP negotiation over the final 4 months before the 2020 deadline will be significantly impacted by the current COVID-19 pandemic.



Next Steps - RMPs

- The SPC recommends seeking a 2-year extension on the deadline for RMP completion.
- The Source Protection Authority (SPA) will continue to work with RMOs to facilitate information sharing and continue improving the efficiency of the annual reporting process.
- The SPA will seek clarification on policy direction and circumstances required for SDWT for the DNAPL threat category.



Summary Points

1. All municipalities submitted their 2019 annual reports to the Source Protection Authority. 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 86% of the existing SDWTs have been addressed through policy implementation.
4. While 232 RMPs have been established as of December 31, 2019, the rate at which the RMPs are established will need to increase significantly to complete the estimated 140 outstanding RMPs by the July 2020 deadline.
5. All municipalities have successfully completed the first round of septic inspections and some have started the second round of inspections.

Recommended Progress Score

- The SPC recommends providing 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

Risk Management Official /
Risk Management Inspector

Severn Sound Environmental Association
(705) 534-7283 ext. 205

mcarruthers@severnsound.ca



South Georgian Bay Lake Simcoe Source Protection Region

Severn Sound Source Protection Authority (SPA)
July 16th, 2020 meeting

STAFF REPORT

No: 05-20-SS SPA
Date: July 16th, 2020
To: Chair and Members of the SSEA Board of Directors
From: Melissa Carruthers, Risk Management Official /
Risk Management Inspector

SUBJECT: Drinking Water Source Protection 2019 Annual Reporting Update

APPLICABLE STRATEGIC PLAN GOALS:

Goal 1: Sound Science

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

RECOMMENDATION:

RESOLVED THAT: Staff Report No. 05-20-SS SPA and presentation regarding an overview on the 2019 Source Protection Plan annual reporting implementation status be received as information

Purpose of Staff Report

The purpose of this report is to provide an overview to the Severn Sound Source Protection Authority board on the regional 2019 annual report on implementation status of the South Georgian Bay Lake Simcoe Source Protection Plan (SPP).

Background

The 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 in order to assess if threats to municipal drinking water sources are being reduced through policy implementation. This information will help support any future amendments to the SPP and provide accountability and transparency to stakeholders.

Municipalities are required to report to the local Source Protection Authority by February 1st each year, the actions taken on policy implementation and the lead Source Protection Authority in the region (LSRCA) has to report to the Director of the Ministry of the Environment, Conservation and

Parks (MECP) by May 1st each year, although an extension was requested this year due to COVID-19 on implementation progress.

Analysis:

Key findings of the 2019 annual report to the province are summarized below for the source protection region:

- All implementing bodies submitted their annual reports to the Source Protection Authority.
- Most of the policies (98%) that address significant drinking water threats have been or are in the process of being implemented in accordance with the timelines set out in our source protection plan. The remaining 2% are policies which are to be implemented by Provincial agencies, and for which the Ministries have either not reported, or reported “not applicable”.
- Municipalities in our source protection region have processes in place to ensure that their day-to-day planning decisions conform to source protection plans. Municipalities have collaborated with each other and the SPA to ensure all the education and outreach needs are being adequately addressed.
- It is estimated that 86% of the existing significant drinking water threats have been mitigated.
- Two hundred and thirty-two (232) RMPs have been established and there are an estimated 140 RMPs remaining to be negotiated across the Source Protection Region.
- The screening process for development proposals in vulnerable areas captured 9 development proposals requiring a RMP for a future activity that would be a significant drinking water threat in 2019.
- Of the 43 municipalities that are subject to source protection plan policies, 41 have amended or are in the process of amending their Official

Summary and Recommendation:

The various implementers of policies within the South Georgian Bay Lake Simcoe Source Protection Region have submitted their 2019 annual reports to the SPA, as required under the *Clean Water Act*. The reports show that the implementation of policies is currently progressing at a satisfactory rate. Apart from the issues around RMPs (primarily delays due to COVID-19) most of the source protection plan policies are progressing in accordance with the timelines specified in the source protection plan.

As part of the progress, the MECP has asked that the local SPC also score the implementation process as one of three categories: Limited Progress (i.e. a few of the source protection plan policies have been implemented and/or are progressing), Satisfactory (i.e. some of the source protection plan policies have been implemented and/or are progressing), or Progressing Well/On Target (i.e. the majority of the source protection plan policies have been implemented and/or are progressing). The Source Protection Committee provided a score of “Satisfactory” for the 2019 reporting period.

Prepared by:

Original signed by

Melissa Carruthers, Risk Management
Official / Risk Management Inspector

Approved for Submission by:

Original signed by

Julie Cayley, Executive Director



South Georgian Bay Lake Simcoe Source Protection Region

Severn Sound Source Protection Authority (SPA)
July 16th, 2020 meeting

STAFF REPORT

No: 06-20-SS SPA
Date: July 16th, 2020
To: Chair and Members of the SSEA Board of Directors
From: Melissa Carruthers, Risk Management Official /
Risk Management Inspector

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

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
-

RECOMMENDATION:

RESOLVED THAT: Staff Report No. 06-20-SS SPA regarding an update as to the activities that have been undertaken by SS SPA and SSEA Risk Management staff during the SSEA Q2 of 2020 be received as information.

Purpose of Staff Report

The purpose of this report is to provide an update on the activities that Severn Sound Source Protection Authority staff and SSEA Risk Management staff have undertaken during the SSEA Q2 of 2020.

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.

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 second quarter of 2020 Source Protection Authority staff has completed the following tasks:

- Provincial funding for the 2020/21 government fiscal year was secured
- An updated Source Protection Authority Letter of Agreement was signed between SSEA, LSRCA and NVCA.
- Continuing to support municipalities in updating Assessment Reports for new or changing water systems
- Assisted other Source Protection Authorities in the region to start work on updating some of the policies in the local Source Protection Plan
- Provided 4 municipalities with information required to obtain updated municipal drinking water licenses
- Produced Source Protection Committee orientation videos
- Attended 2 regional meetings, 1 Source Protection Committee meeting and 1 SS SPA meeting
- 4 Drinking Water Source Protection themed videos were uploaded to the SSEA YouTube channel Drinking Water Source Protection 101 Overview, The Role of a Risk Management Official/Inspector, Severn Sound Source Protection Authority & Area, Drinking Water Protection Zone Signs
- Conducted 2 municipal council DWSP 101, RMP and SPA status updates deputations
- Midland Today article “Risk Management a Key Part of Protecting Source Water”

RMO - During the second quarter of 2020 risk management staff has completed the following tasks:

- Commented on 5 development applications, answered 6 inquiries, sent out 1 Draft Risk Management Plan, and conducted 1 virtual site visit.

Prepared by:

Approved for Submission by:

Original signed by

Original signed by

Melissa Carruthers, Risk Management
Official / Risk Management Inspector

Julie Cayley, Executive Director