

01-24-NVSPA

Nottawasaga Valley Conservation Authority

Apr 26, 2024 at 11:00 AM EDT to Apr 26, 2024 at 2:00 PM EDT

Agenda

1. Call to Order

2. Adoption of Agenda

Recommendation:

RESOLVED THAT: the agenda for the Nottawasaga Valley Source Protection Authority 01-24-NVSPA dated April 26, 2024 be approved.

3. Declarations of Pecuniary and Conflict of Interest

4. Minutes

Minutes of the Nottawasaga Valley Source Protection Authority 01-23-NVSPA dated April 28, 2023

Recommendation:

RESOLVED THAT: The Minutes of the Nottawasaga Valley Source Protection Authority 01-23-NVSPA dated April 28, 2023 be approved.

5. Correspondence

6. Presentations

Sarah Thompson, Source Water Coordinator will conduct a presentation regarding 2023 Source Water Protection Annual Report to the Ministry.

Recommendation

RESOLVED THAT: the Board of Directors receive the presentation regarding the Annual Report to the Ministry.

7. Reports

7.1. Staff Report No. 01-01-24-NVSPA from Lynn Dollin, Chair, South Georgian Bay Lake Simcoe Source Protection Committee

Recommendation

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

7.2. Staff Report No. 02-01-24-NVSPA from Sarah Thompson, Source Water Coordinator

Recommendation

RESOLVED THAT: Staff Report No. 02-01-23-NVSPA regarding the 2023 Source Water Protection Annual Report to the Ministry be received for information.

7.3. Staff Report No. 03-01-NVSPA from Sarah Thompson, Source Water Coordinator

Recommendation

RESOLVED THAT: Staff Report No. 03-01-24-NVSPA regarding the Source Protection Plan amendments be received for information.

7.4. Staff Report No. 04-01-24-NVSPA from Sarah Thompson, Source Water Coordinator

Recommendation

RESOLVED THAT: Staff Report No. 04-01-24-NVSPA regarding the appointment of members to the Source Protection Committee be received for information.

8. Other Business

9. Adjourn

Recommendation:

RESOLVED THAT: the Nottawasaga Valley Source Protection Authority meeting adjourn at _____, to meet again at the call of the Chair.



01-23-NVSPA Minutes (**DRAFT**)
Nottawasaga Valley Conservation Authority
Apr 28, 2023 at 11:00 AM EST
@ 8195 8th Line, Utopia ON, L0M 1T0

Attendance

Present:

Mayor Scott W. Anderson, Adjala-Tosorontio (Township); Cllr. Christopher Baines, Collingwood (Town); Cllr. Joe Belanger, Wasaga Beach (Town); Cllr. Nicole Cox, New Tecumseth (Town); Cllr. Kyle Fegan, Shelburne (Town); Cllr. Pieter Kiezebrink, Essa (Township); Chair Gail Little, Amaranth (Township); Deputy Mayor Paul Van Staveren Clearview (Township); Cllr. Kevin Eisses, Innisfil (Town); Mayor Janet Horner, Mulmur (Township); Mayor Darren White, Melancthon (Township); Cllr. Joel Loughead, Grey Highlands (Municipality); Cllr. June Porter, The Bule Mountains (Town); Vice-Chair Jonathan Scott, Bradford West Gwillimbury (Town)

NVCA Staff:

Sheryl Flannagan, Director, Corporate Services; Doug Hevenor, Chief Administrative Officer; Chris Hibberd, Director, Watershed Management Services; Ian Ockenden, Acting Watershed Science Supervisor; Sarah Thompson, Acting Source Water Coordinator; Maria Leung, Senior Communications Specialist; Kerry Jenkins, Administrative Assistant/Recorder

Absent:

Mayor Jennifer Coughlin, Springwater (Township); Cllr. Gary Harvey, Barrie (City); Cllr. Ralph Manktelow, Mono (Town); Cllr. Richard Schell, Oro-Medonte (Township); Lynn Dollin, Chair, South Georgian Bay Lake Simcoe Source Protection Committee; Byron Wesson, Director, Conservation Services

Guests:

Bill Thompson, Project Manager, South Georgian Bay Lake Simcoe Source Protection Region

1. Call to Order

Chair Little called the meeting to order at 11:00am.

2. Adoption of Agenda

Recommendation:

RES: 01-23

Moved by: Cllr. June Porter

Seconded by: Mayor Scott W. Anderson

RESOLVED THAT: the agenda for the Nottawasaga Valley Source Protection Authority #01-23-NVSPA dated April 28, 2023 be approved.
Carried;

3. Declarations of Pecuniary and Conflict of Interest

3.1. Minutes

Minutes of the Nottawasaga Valley Source Protection Authority 01-22-NVSPA dated April 22, 2022

Recommendation:

RES: 02-23

Moved by: Cllr. Pieter Kiezebrink

Seconded by: Cllr. Joe Belanger

RESOLVED THAT: The Minutes of the Nottawasaga Valley Source Protection Authority 01-22-NVSPA dated April 22, 2022 be approved.
Carried;

4. Correspondence

There was no correspondence.

5. Presentations

5.1. Intro to SWP - Bill Thompson, Manager, Watershed Plans and Strategies, Lake Simcoe Region Conservation Authority

Bill Thompson, Manager, Watershed Plans and Strategies, Lake Simcoe Region Conservation Authority conducted a presentation on Intro to SWP.

Recommendation:

RES: 03-23

Moved by: Cllr. Pieter Kiezebrink

Seconded by: Cllr. Joel Loughead

RESOLVED THAT: the Board of Directors receive the presentation regarding the Introduction to Source Water Protection.
Carried;

5.2. Annual Report - Sarah Thompson, Acting Source Water Coordinator

Sarah Thompson, Sarah Thompson, Acting Source Water Coordinator conducted a presentation regarding the Annual Report.

Recommendation:

RES: 04-23

Moved by: Cllr. Kevin Eisses

Seconded by: Mayor Darren White

RESOLVED THAT: the Board of Directors receive the presentation regarding the Annual Report to the Ministry.
Carried;

6. Reports

6.1. Staff Report No. 01-04-23-NVSPA from Lynn Dollin, Chair, South Georgian Bay Lake Simcoe Source Protection Committee

Recommendation:

RES: 05-23

Moved by: Mayor Janet Horner

Seconded by: Cllr. June Porter

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

Carried;

6.2. Staff Report No. 02-04-23-NVSPA from Sarah Thompson, Acting Source Water Coordinator

Recommendation:

RES: 06-23

Moved by: Cllr. Kyle Fegan

Seconded by: Mayor Janet Horner

RESOLVED THAT: Staff Report No. 02-04-23-NVSPA regarding the 2022 Source Water Protection Annual Report to the Ministry be received for information.

Carried;

6.3. Staff Report No. 03-04-23-NVSPA from Bill Thompson, Manager, Watershed Plan and Strategies, Lake Simcoe Region Conservation Authority

Recommendation:

RES: 07-23

Moved by: Cllr. Nicole Cox

Seconded by: Cllr. Joe Belanger

RESOLVED THAT: Staff Report No. 03-04-23-NVSPA regarding the Source Protection Plan amendments be received for information.

Carried;

7. Other Business

There was no other business.

8. Adjourn

Recommendation:

RES: 08-23

Moved by: Mayor Scott W. Anderson

Seconded by: Cllr. June Porter

RESOLVED THAT: the Nottawasaga Valley Source Protection Authority meeting adjourn at 11:28am to meet again at the call of the Chair.

Carried;

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

Sarah Thompson, Source Water Coordinator
April 26, 2024



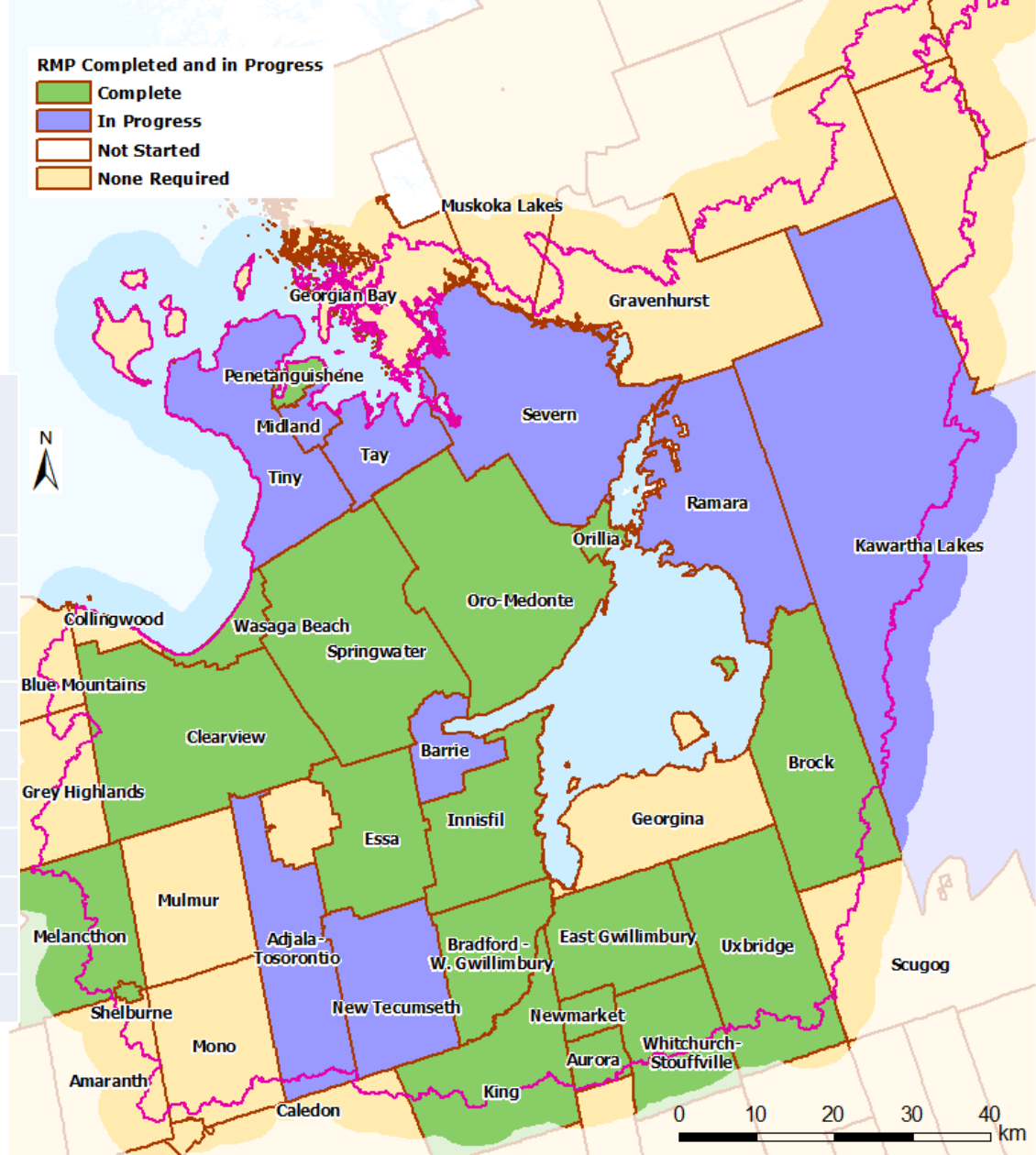
Water
is life.
Protect
Yours.

Presentation outline

- Progress update (risk management plans and official plan amendments)
- Potential issues
- Solutions
- Source protection committee's comment on progress
- Questions?

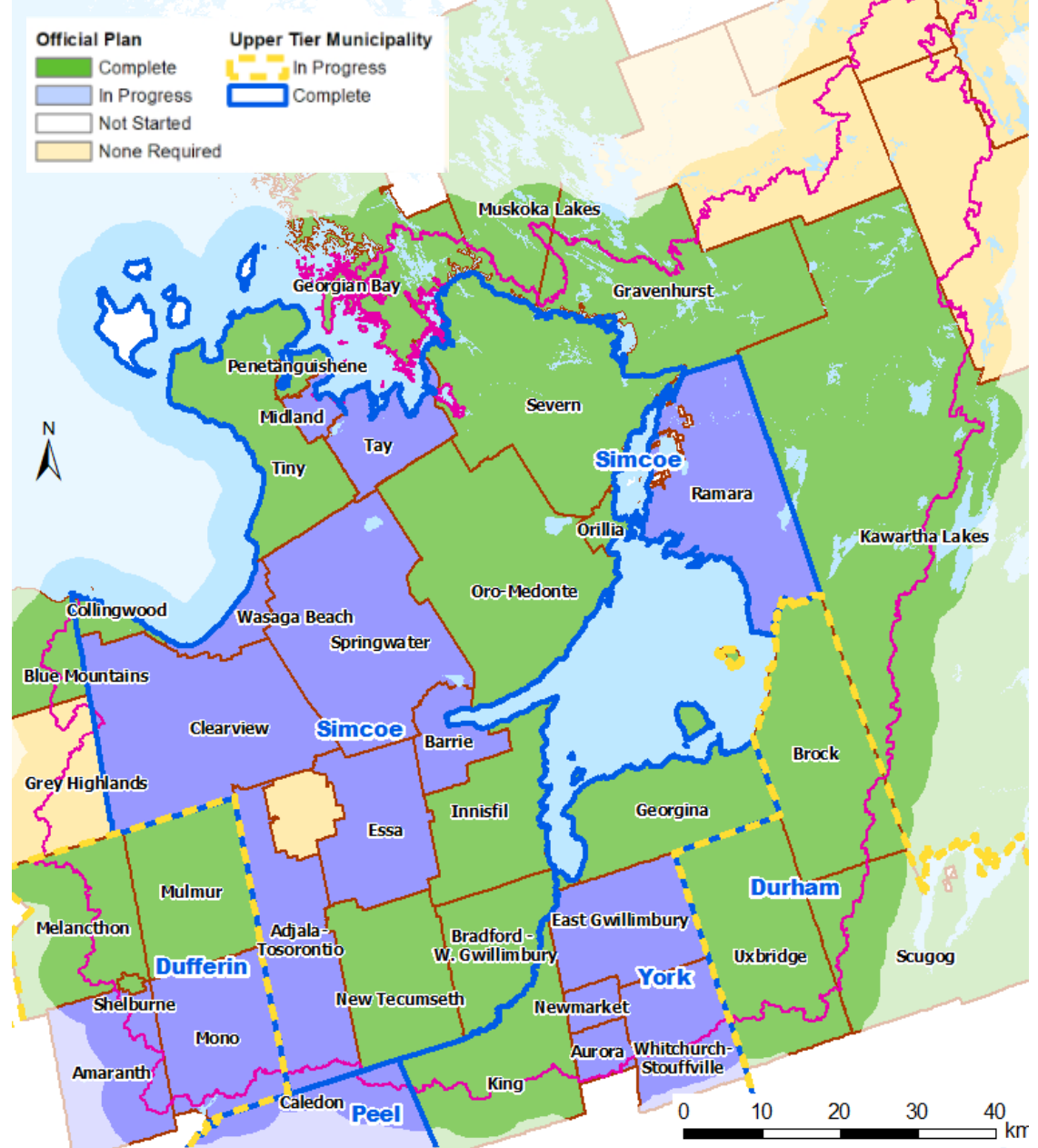
Risk management plans progress to date

Reporting Period	Number of Risk Management Plans Completed	Estimated Number of Risk Management Plans Required
Half of 2015	25	No Data
2016	32	691
2017	49	476
2018	72	360
2019	54	140
2020	19	119
2021	14	103
2022	6	92
2023	43	27
Total	314	



We have approximately 27 risk management plans left to negotiate.

Official plan updates progress to date



Water *is* life. Protect Yours.

Potential issues – risk management plans

- There are 27 or fewer risk management plans, spread over 9 municipalities to complete before the July 1, 2024 deadline (2 months away).
- RMOs may need to issue Orders for contravention of section 58 (Risk Management Plans) to landowners who are procrastinating or not cooperating.
- Orders will not negate the need for positive working relationships with landowners.



Solutions – risk management plans

- Risk Management Officials have workplans in place to complete the remaining risk management plans by the July 2024 deadline.
- Risk Management Officials with risk management plans remaining to negotiate will be encouraged to issue orders to landowners who are procrastinating on risk management plan negotiation.
- Source Protection Authority staff will assist Risk Management Officials in completing outstanding risk management plans.
- Source Protection Authority staff will monitor progress on risk management plan completion closely and report back to the Source Protection Committee prior to the deadline.

Recommended progress score

The Source Protection Authority recommends that the Source Protection Committee provide a progress score of:

Progressing Well/On Target

on achieving source protection plan objectives this reporting period.

Progressing Well/On Target means the majority 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?

Water *is* life. Protect Yours.

Source Protection Committee Chair's Update

Staff Report: 01-01-24-NVSPA

To: Nottawasaga Valley Source Protection Authority

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

Date: April 26, 2024

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

Below is a brief update from the Source Protection Committee since the last meeting of the Nottawasaga Valley Source Protection Authority Board.

The Source Protection Committee has met four times in the past year and most recently received the annual report on implementation progress, which will be presented by Sarah Thompson. The Committee was very pleased to see the level of progress that has been made in implementing the Source Protection Plan. We recognize that this has been challenging for all involved, from understanding new responsibilities that municipalities had under the plan, to staff recruitment and process development, and eventually having to deal with the disruption of the COVID-19 pandemic, the path to implementing this plan has been very challenging. The Committee is very pleased to see that those difficult days are behind us, and thank member municipalities, provincial agencies, and others with implementation responsibilities for their hard work.

In submitting the annual report to the Ministry, the Source Protection Committee has the ability to provide our opinion on progress. In addition to recognising the hard work of everyone involved, the Committee intends to also make use of this opportunity to share their concerns about recent proposed changes to Provincial policy. As we all know, the Provincial government has a strong focus on promoting housing development and have been revising policies to remove as many barriers as possible. Through some of that policy review unfortunately, some

policy revisions would have the, perhaps unanticipated, effect of removing “tools” from the “toolbox” that the Source Protection Committee has relied upon to protect municipal drinking water sources. Authority staff have shared these concerns with the Ministry, and we hope that a resolution can be found which avoids unnecessary delay in housing development, without any increased risk to municipal drinking water.

The Committee is aware that, despite these concerns, the Province does remain strongly supportive of the Clean Water Act and the Source Protection Program, including the ongoing role of the Source Protection Committee. Our Committee in fact does remain engaged, despite several members having served since its inception. I am confident that those few Committee members who have had to step back due to job changes will be replaced, and that new members will add valuable new perspectives and new experiences to the Committee.

Respectfully submitted,

Lynn Dollin, Chair



Staff Report: 02-01-24-NVSPA
Date: 26/04/2024
To: Chair and Members of the Board of Directors
From: Sarah Thompson
Source Water Coordinator

SUBJECT: Annual Source Water Protection Progress Report to the Ministry

Recommendation

RESOLVED THAT: The Board of Directors receive Staff Report No. 02-01-24-NVSPA regarding the 2023 Source Water Protection Annual Report to the Ministry be received for information; and

FURTHER THAT: the Annual Report be approved for submission to the Director, Conservation and Source Protection Branch, Ministry of the Environment, Conservation and Parks.

Purpose of the Staff Report

The purpose of this Staff Report is to provide an overview of the South Georgian Bay Lake Simcoe Source Protection Plan annual progress report, as well as to obtain approval to submit the annual report to the Director, Conservation and Source Protection Branch, Ministry of the Environment, Conservation and Parks.

Background

The South Georgian Bay Lake Simcoe Source Protection Plan (the Plan) has been in effect since July 1, 2015. The *Clean Water Act* (Section 46) requires that the lead Source Protection Authority report to the Director on the implementation of all policies each year. It also requires that the Source Protection Committee be

provided an opportunity to comment on the draft report before its submission (draft 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. All municipalities have been negotiating risk management plans (RMPs) with landowners, and many municipalities have successfully completed some or all of their required risk management plans. Similarly, Ontario ministries have completed the task of reviewing previously issued provincial approvals (prescribed instruments such as Nutrient Management Plans and Environmental Compliance Approvals) where they have been identified to address existing activities that may pose a risk to sources of drinking water.

Issues/Analysis

At their most recent meeting, the Source Protection Committee reviewed source protection plan implementation progress data 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 96% of existing significant drinking water threats have been mitigated through policy implementation.
- A total of 314 risk management plans have been established and an estimated 27 risk management plans remain to be negotiated across the Source Protection Region. Risk Management Officials have workplans that indicate the remaining risk management plans will be established by the July 2024 deadline.

The risk management plan deadline for the South Georgian Bay Lake Simcoe source protection region is July 1, 2024. Significant progress has been made in establishing risk management plans in 2023. There are 27 risk management plans spread across 9 municipalities that remain to be completed by the deadline. Risk

Management Officials have workplans in place to complete the risk management plans by the deadline. There may be occasions when a Risk Management Official will need to proactively issue an Order for potential contravention of section 58 (Risk Management Plans) to a landowner who is procrastinating or not cooperating with the Risk Management Official. The issuance of an Order will not negate the need for positive working relationships with landowners.

Source Protection Authority staff will monitor progress on risk management plan completion closely over the next two months and report back to the Source Protection Committee prior to the deadline. Source Protection Authority staff will also assist Risk Management Officials in completing risk management plan if necessary.

The Source Protection Committee indicated that, considering that Risk Management Officials are on target to complete all their risk management plans by the deadline, they are convinced that Plan implementation is progressing well.

It is therefore recommended that Staff Report No. 02-01-24-NVSPA regarding the 2023 Source Water Protection Annual Report to the Ministry be received; and Further that the Annual Report be approved for submission to the Director, Conservation and Source Protection Branch, Ministry of the Environment, Conservation and Parks.

Relevance to Authority Policy/Mandate

The various implementers of the South Georgian Bay Lake Simcoe Source Protection Plan have submitted their 2023 annual reports to the Source Protection Authority as required under the *Clean Water Act*.

Impact on Authority Finances

The receipt of the RMO annual reports by the NVSPA has no implications on the finances of the Authority.

Climate Change Implications

This staff report does not result in an increase in greenhouse gases, temperature or precipitation exposure.

Annual Source Water Protection Progress Report to the Ministry
Staff Report No.: 02-01-24-NVSPA

Reviewed by:

Original Signed by

Chris Hibberd

Director Watershed Management Services

Approved for submission by:

Original Signed by

Doug Hevenor

Chief Administrative Officer

Attachments: The Source Protection Annual Progress Report, South Georgian Bay
Lake Simcoe Region



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 to December 31, 2023

Ourwatershed.ca

Water
is life.
Protect
Yours.

2023 Source Protection Annual Progress Report

I. Introduction

This annual 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 for the 2023 calendar year, as required by the Clean Water Act and its regulations.

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 ensure that activities carried out in the vicinity of municipal drinking water supply wells and lake-based drinking water intakes do not pose a significant risk to those supplies.



II. A Message from your local Source Protection Committee

Our source protection committee was asked to provide a progress score on achieving source protection plan objectives this reporting period, with three progress scores to choose from as follows:

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

The progress score selected for achieving source protection plan objectives this reporting period is progressing well.

All municipalities that had implementation actions to complete have submitted their 2023 annual reports to the Source Protection Authority. Municipalities in our source protection region have processes in place to ensure 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 96% of the 3,313 significant drinking water threats that existed at the time of source protection plan approval have been addressed through policy implementation.

A total of 314 risk management plans have been established as of December 31, 2023, and workplans have been established by Risk Management Officials to complete the estimated 27 outstanding Risk Management Plans by the July 1, 2024 deadline. Progress will be closely monitored on outstanding Plans and reported to the Source Protection Committee until they are all complete.

Twelve percent (250 of the estimated 2,106) of round-three on-site septic system inspections have been completed by municipal staff. Most municipalities in our region have three years left to complete their remaining inspections.

III. Our Watershed

The South Georgian Bay Lake Simcoe source protection region contains four watersheds and spans over 10,000 km², 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 approximately 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 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.

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

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 includes 129 policies in their source protection plan to address 22 prescribed threats, protect sources of drinking water and monitor the progress of policy implementation.

Since the source protection plan took effect over 9 years ago, much has been accomplished. To date, 100% of the legally binding policies that address significant drinking water threat activities have been or are being implemented. 42% have been implemented, 51% are in the process of being implemented, and 7% have been evaluated and determined no further action is required.

The progress score for implementing Plan policies is 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 nine 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 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. All 43 of the municipalities that are subject to source protection plan policies have amended or are in the process of amending their Official Plan to conform with the source protection plan for our region.

The municipal progress score is progressing well/on target.

3. Septic Inspections

Within our source protection region, 2,106 septic systems are required to be inspected as part of the 5-year inspection cycle. We are 2 years into the 5-year inspection cycle and approximately 250 (12%) on-site sewage systems have been inspected in accordance with the Ontario Building Code.

The progress score for the septic inspection program is progressing well/on target.

4. Risk Management Plans

314 risk management plans were established in our source protection region as of December 31, 2023 with 43 of those being completed within the 2023 calendar year. This represents 92% of the risk management plans required to manage existing significant threat activities.

73 inspections were carried out in 2022 by a Risk Management Official/Inspector for regulated activities. 14 of these inspections demonstrated non-compliance with the contents of a risk management plan. 12 of the 14 inspections that demonstrated non-compliance were the result of businesses not training all staff on source water protection principals, while the other inspections were in response to new businesses opening at an existing threat property and therefore requiring a new risk management plan. RMOs are working with business owners to facilitate source water training in the future.

Workplans have been established by Risk Management Officials to complete the 27 outstanding Risk Management Plans by the July 2024 deadline. Progress will be closely monitored on outstanding Plans and reported to the Source Protection Committee until they are all complete.

The progress score for establishing risk management plans is progressing well/on target.

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 five 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.

The progress score for the addressing risks using prescribed instruments is progressing well/on target.

6. Source Protection Awareness and Change in Behaviour

Staff from Lake Simcoe Source Protection Authority met with Fire Chiefs from local municipalities in York Region and Simcoe County with a goal of increasing awareness of source water protection and exploring ways fire services staff can assist in preventing contamination of municipal water sources. As a result of these meetings, Central York Fire Services plans to include source water protection in their staff training program, add a source water protection geographic information system (GIS) layer to their mapping system, and add known DNAPL and organic solvent threat sites to their Pre-Plan and Dispatch notification system.

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 and Chloride

An increasing concentration/trend has been observed.

Risk management plans have been established for large users of salt to ensure best management practices are implemented for storage and application. The City of Barrie staff follow Smart About Salt best practices for salt application on municipal parking lots.

Town of Penetanguishene - Robert Street West Supply Well Issue contributing area for:

Trichloroethylene

Not enough data is available to determine changes in concentration/trend. No water quality data was collected in 2023 at this decommissioned well location. However, a decreasing concentration has been observed in the long-term data.

Township of Brock – Cannington Well Supply – Arena Well Field

Trichloroethylene

A decreasing concentration/trend has been observed.

Township of Severn - Coldwater Well Supply Issue contributing area for:

Trichloroethylene

No change in concentration/trend.

Tiny Township - Lafontaine Well Supply Issue contributing area for:

Nitrate

No change in concentration/trend.

Tiny Township - Georgian Sands Well Supply Issue contributing area for:

Nitrate

No change in concentration/trend.

9. Science-based Assessment Reports: Work Plans

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

10. More from the Watershed

To learn more about the South Georgian Bay-Lake Simcoe Protection Region, visit:

www.ourwatershed.ca

Education and outreach are an important part of implementing Source Protection. Source Protection Authorities, municipalities and Risk Management Officials within the region continue to engage the community through site visits, social media, and workshops.



Staff Report: 03-01-24-NVSPA

Date: 26/04/2024

To: Nottawasaga Valley Source Protection Authority

From: Sarah Thompson
Source Water Coordinator

SUBJECT: Update on Source Protection Plan amendments.

Recommendation

RESOLVED THAT: Staff Report No. 03-01-24-NVSPA regarding the Source Protection Plan amendments be received for information.

Purpose of the Staff Report

The purpose of this Staff Report No. 03-01-24-NVSPA is to provide an update on amendments to the South Georgian Bay Lake Simcoe Source Protection Plan within the Nottawasaga Valley Source Protection Authority that have recently been submitted for approval, as well as upcoming amendments.

Background

Regulation 205/18 under the *Safe Drinking Water Act* requires that any amendments to municipal residential Drinking Water Works Licences and Permits be accompanied by an amendment to the appropriate Source Protection Plan. The intent of this Regulation is to ensure that raw sources of municipal drinking water remain protected, even as drinking water systems change (or expand). As such, new or upgraded municipal wells or water treatment plants generally require new or revised Wellhead Protection Areas and Intake Protection Zones in Source Protection Plans and may lead to new restrictions association with Source Protection Plan policies in those areas.

Source Protection Authority staff are responsible for ensuring these amendments are completed, and ultimately approved by the Minister of Environment, Conservation and Parks. The process that staff are directed to follow is a consultation-rich one, with engagement occurring with MECP staff, municipal staff and councils, and affected local landowners. After completing that consultation and drafting the amendment to the Plan, the amendments are submitted to the Minister for approval.

Issues/Analysis

At the April 23, 2021, meeting of the Nottawasaga Valley Source Protection Authority (NVSPA) Board of Directors, staff were delegated the authority to submit such amendments after consultation is complete. In return, staff committed to provide annual updates on any such amendments submitted.

Over the course of the past year, NVSPA staff have submitted the following four Source Protection Plan amendments to the Ministry for approval, and have received approval on two, with the remaining two still under review:

- Town of Shelburne, to allow for increased demand in their drinking water system to support growth in that community. This amendment was submitted in March 2023.
- Township of Adjala-Tosorontio, to allow for increased demand in the Colgan drinking water system, to support a new subdivision in that community. That amendment was submitted in April 2023 and approved in December 2023.
- Township of Oro-Medonte, to incorporate a planned new well to support growth in the community of Craighurst. This amendment was submitted in April 2023 and approved in April 2024.
- Peel Region, to allow for increased demand in the Palgrave drinking water system, to support growth in that community. This amendment was submitted in January 2024.

There are also a number of amendments that have recently started the process or will be starting in the near future.

This includes the following list of “likely” amendments:

- New Tecumseth
- Springwater (x2 Drinking Water Systems)
- Oro-Medonte
- Mono
- Clearview (x2 Drinking Water Systems)
- Mulmur

Please refer to the attached Map 1 and Map 2.

Relevance to Authority Policy/Mandate

Working in partnership with other the lead Source Protection Authority, Nottawasaga Valley Source Protection Authority is responsible for ensuring that the Source Protection Plan is amended to account for new or expanded municipal drinking water systems.

It is therefore recommended that Staff Report No. 03-01-24-NVSPA regarding the Source Protection Plan amendments be received for information.

Impact on Authority Finances

There are no implications on the finances of the Authority.

Climate Change Implications

This staff report does not result in an increase in greenhouse gases, temperature or precipitation exposure.

Reviewed by:

Original Signed by

Chris Hibberd

Director Watershed Management Services

Approved for submission by:

Original Signed by

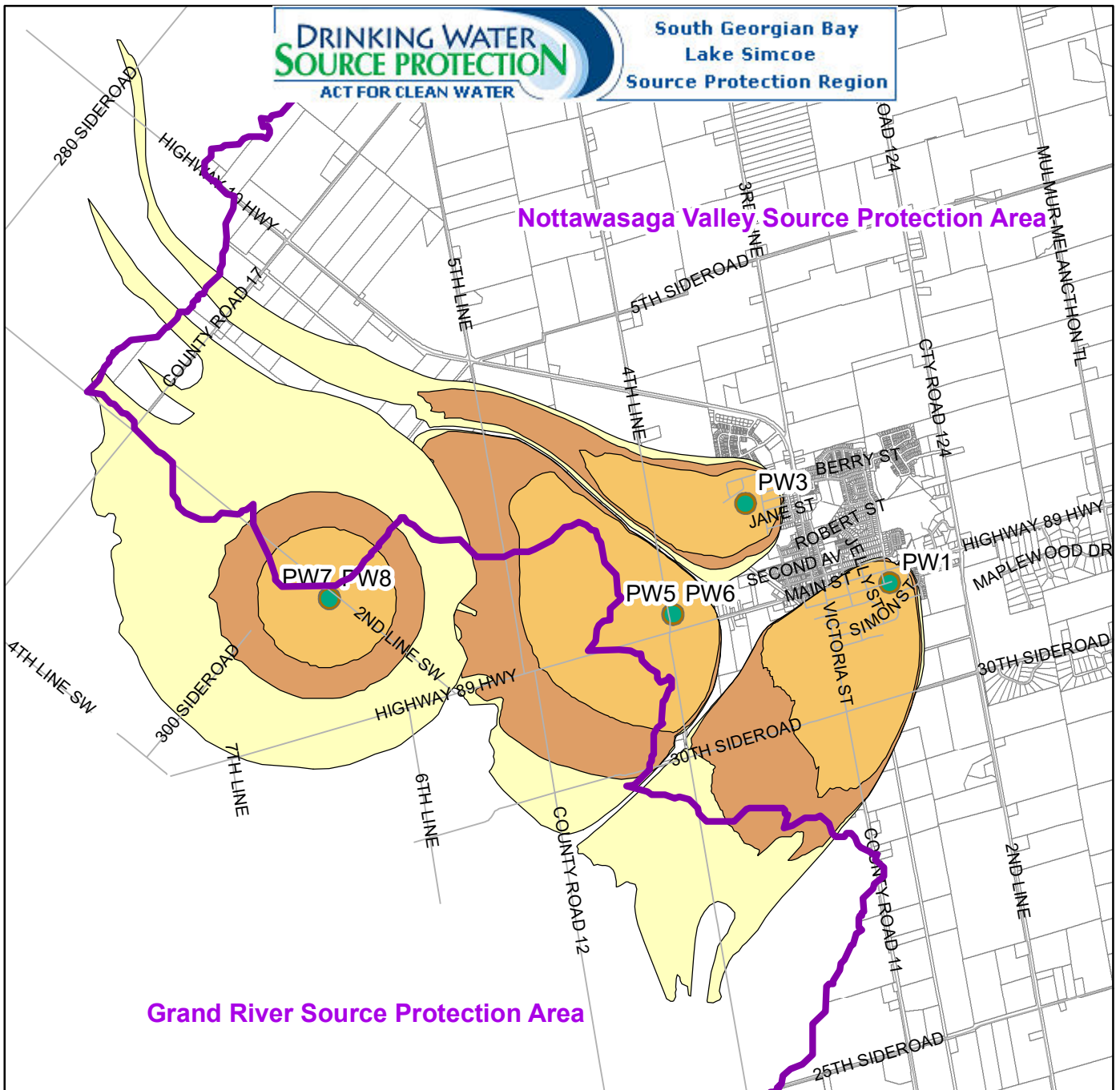
Doug Hevenor

Chief Administrative Officer

Attachments

- A. Town of Shelburne (proposed)
- B. Colgan drinking water system (approved), Adjala-Tosorontio
- C. Craighurst drinking water system (approved), Oro-Medonte
- D. Palgrave drinking water system (proposed), Peel Region
- E. Approved and Awaiting Approval Amendments in the NVSPA
- F. Starting Soon and In-process Amendments in the NVSPA

Attachment A



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

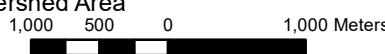
South Georgian Bay Lake Simcoe Source Protection Region

Nottawasaga Valley Source Protection Area

Grand River Source Protection Area

Legend

- MUNICIPAL WELL LOCATION
- WHPA-A (100 M RADIUS)
- WHPA-B (2-YEAR TIME-OF-TRAVEL)
- WHPA-C (5-YEAR TIME-OF-TRAVEL)
- WHPA-D (25-YEAR TIME-OF-TRAVEL)
- SWP Watershed Area



WELLHEAD PROTECTION AREAS-SHELBURNE WELL SUPPLY, TOWN OF SHELBURNE

ASSESSMENT OF DRINKING WATER THREATS
SELECTED MUNICIPAL GROUNDWATER SUPPLIES
South Georgian Bay Lake Simcoe
Source Protection Region

Created by: NVCA
Date: 2022-09

Scale: 1:55,000

UTM Zone 17N, NAD83



Ontario

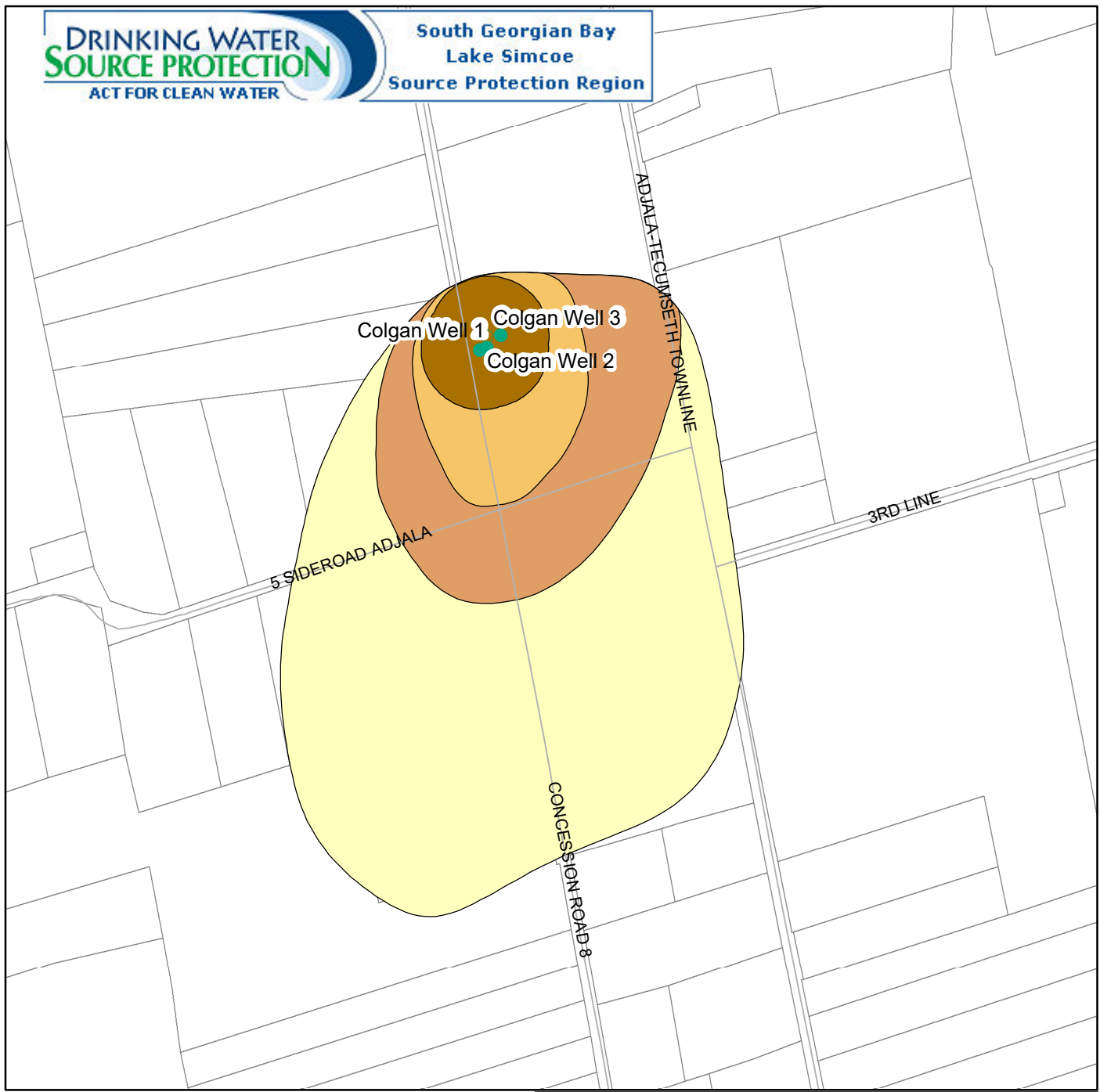
Figure 6a-1

This map was produced for the South Georgian Bay Lake Simcoe Protection Region for the purpose of completing the South Georgian Bay Lake Simcoe Assessment Report. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.

Attachment B



South Georgian Bay
Lake Simcoe
Source Protection Region



Legend

- MUNICIPAL WELL LOCATION
- WHPA-A (100 M RADIUS)
- WHPA-B (2-YEAR TIME-OF-TRAVEL)
- WHPA-C (5-YEAR TIME-OF-TRAVEL)
- WHPA-D (25-YEAR TIME-OF-TRAVEL)



WELLHEAD PROTECTION AREAS- COLGAN

ASSESSMENT OF DRINKING WATER THREATS
SELECTED MUNICIPAL GROUNDWATER SUPPLIES
South Georgian Bay Lake Simcoe
Source Protection Region

Created by: NVCA
Date: 2022-10

Scale: 1:10,000

UTM Zone 17N, NAD83

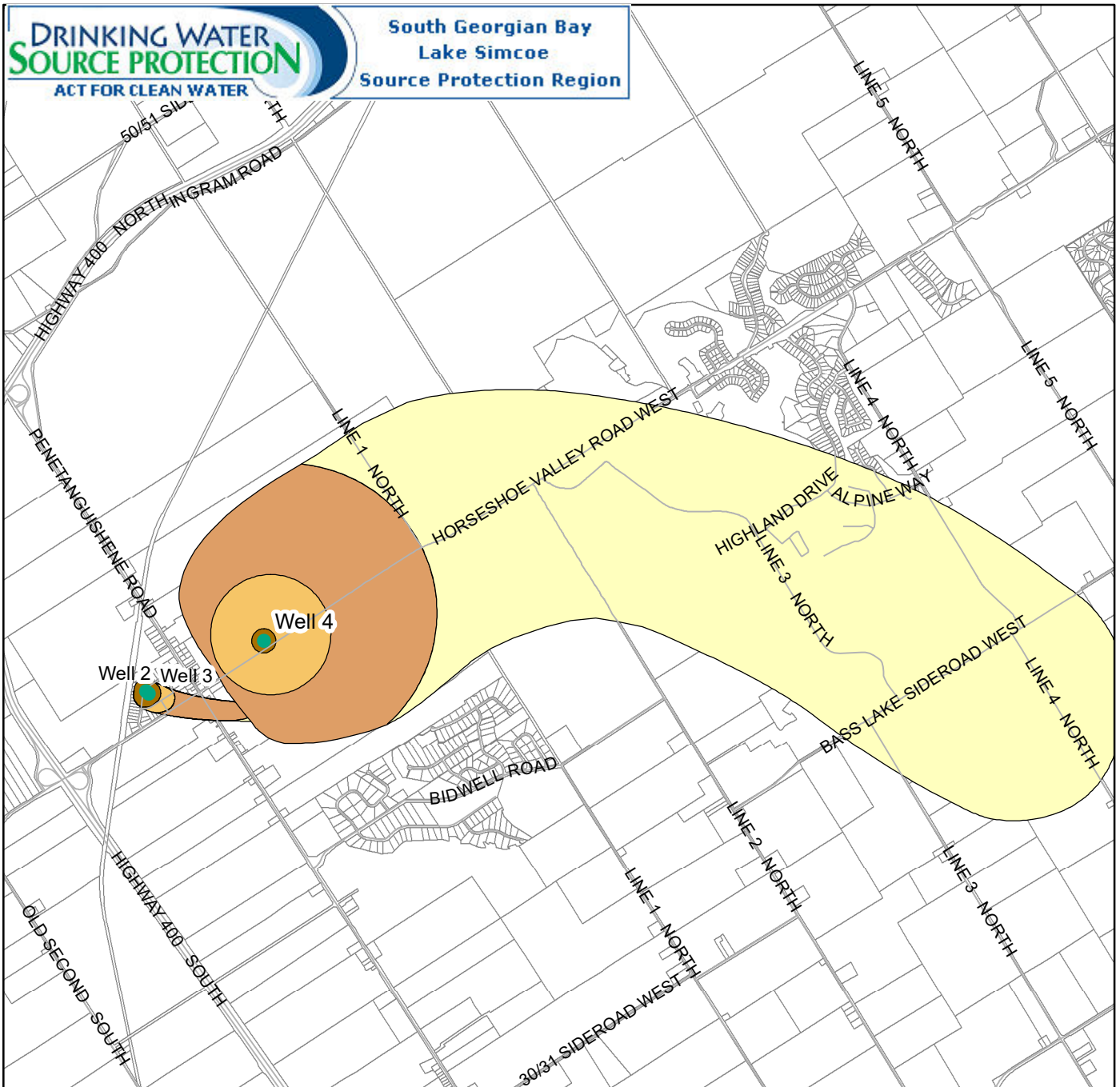


Ontario

Figure 8a-1

This map was produced for the South Georgian Bay Lake Simcoe Protection Region for the purpose of completing the South Georgian Bay Lake Simcoe Assessment Report. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.

Attachment C



Legend

- MUNICIPAL WELL LOCATION
- WHPA-A (100 M RADIUS)
- WHPA-B (2-YEAR TIME-OF-TRAVEL)
- WHPA-C (5-YEAR TIME-OF-TRAVEL)
- WHPA-D (25-YEAR TIME-OF-TRAVEL)

1,000 500 0 1,000 Meters



**WELLHEAD PROTECTION AREAS-
CRAIGHURST, ORO-MEDONTE**

ASSESSMENT OF DRINKING WATER THREATS
SELECTED MUNICIPAL GROUNDWATER SUPPLIES
South Georgian Bay Lake Simcoe
Source Protection Region

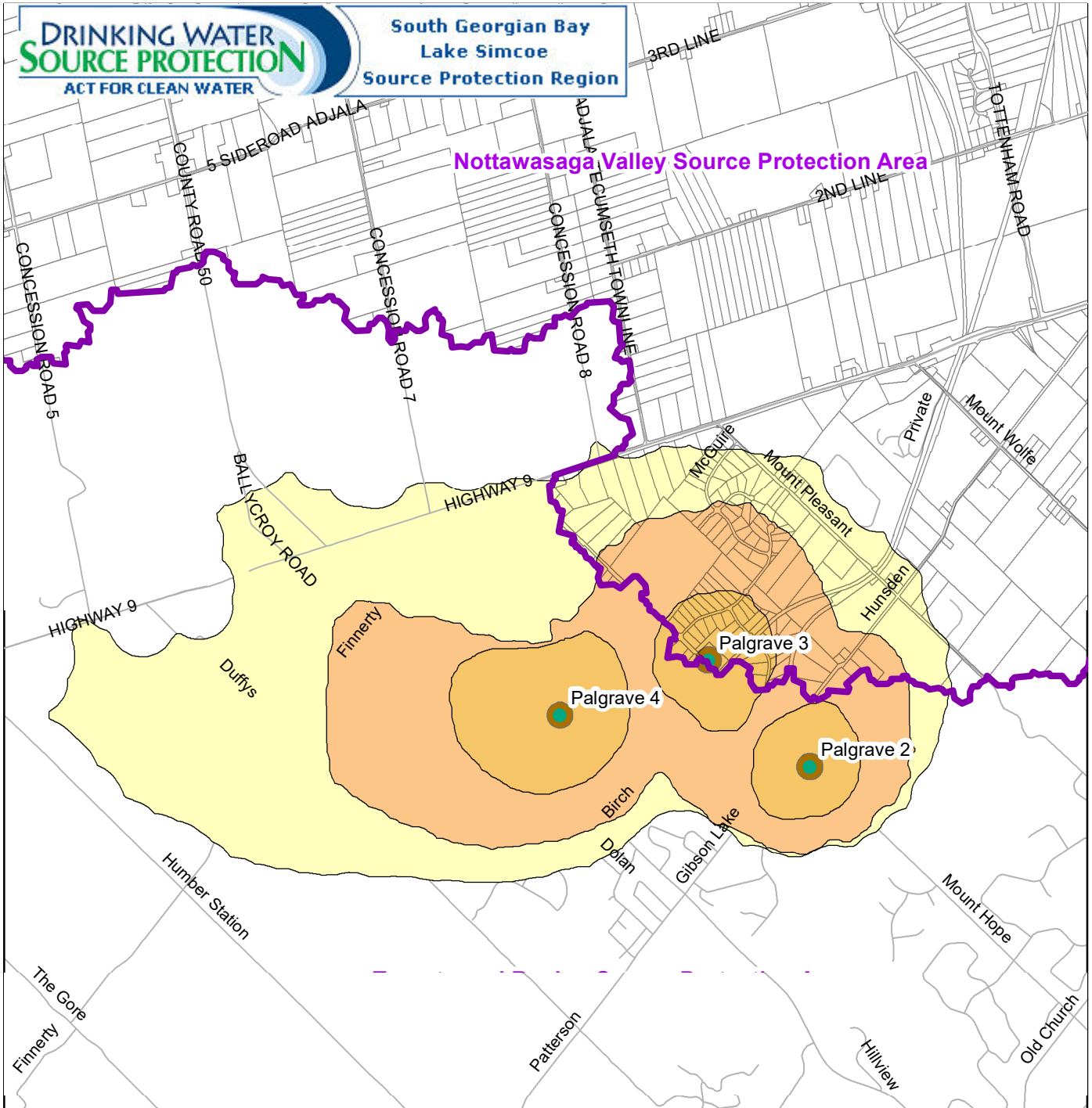
Created by: NVCA
Date: 2022-08
Scale: 1:50,000
UTM Zone 17N, NAD83



Figure 15a-1

This map was produced for the South Georgian Bay Lake Simcoe Protection Region for the purpose of completing the South Georgian Bay Lake Simcoe Assessment Report. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.

Attachment D



Legend

- MUNICIPAL WELL LOCATION
- SWP Watershed Area
- WHPA-A (100 M RADIUS)
- WHPA-B (2-YEAR TIME-OF-TRAVEL)
- WHPA-C1 (10-YEAR TIME-OF-TRAVEL)
- WHPA-D (25-YEAR TIME-OF-TRAVEL)



800 400 0 800 Meters

WELLHEAD PROTECTION AREAS- PALGRAVE, REGION OF PEEL

ASSESSMENT OF DRINKING WATER THREATS
SELECTED MUNICIPAL GROUNDWATER SUPPLIES
South Georgian Bay Lake Simcoe
Source Protection Region

Created by: NVCA
Date: 2022-08

Scale: 1:45,000

UTM Zone 17N, NAD83

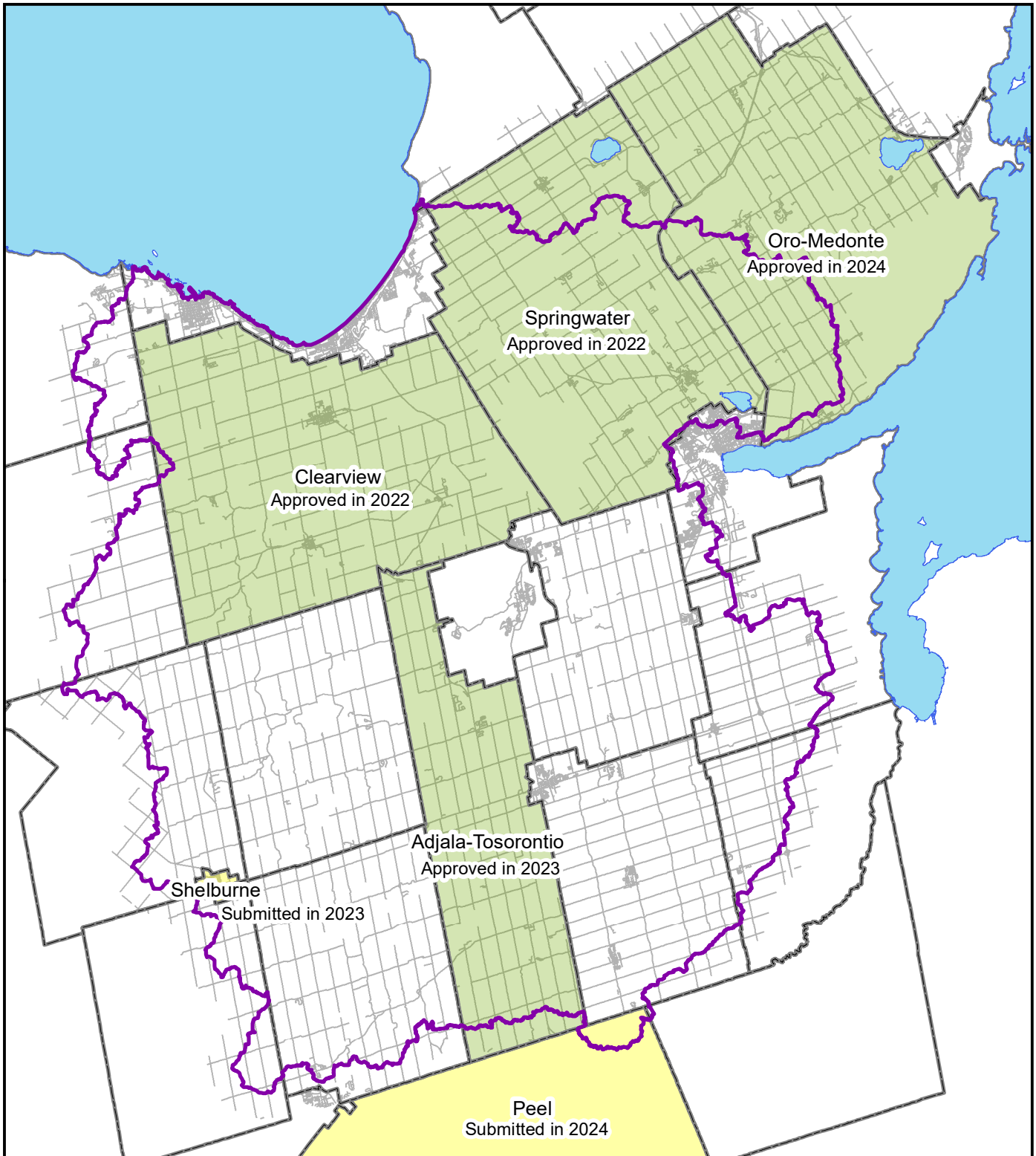


Ontario





Figure 7a-1

This map was produced for the South Georgian Bay Lake Simcoe Protection Region for the purpose of completing the South Georgian Bay Lake Simcoe Assessment Report. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.

Attachment E



Legend

-  SPA Watershed Boundary
-  Municipal Boundary
-  Approved Amendments
-  Awaiting Approval Amendments



5,000 2,500 0 2,500 5,000 Meters

2022-2024 MUNICIPAL WELL AMENDMENTS: Approved and Waiting Approval

Created by: NVCA
Date: 2024-04

Scale: 1:450,000

UTM Zone 17N, NAD83

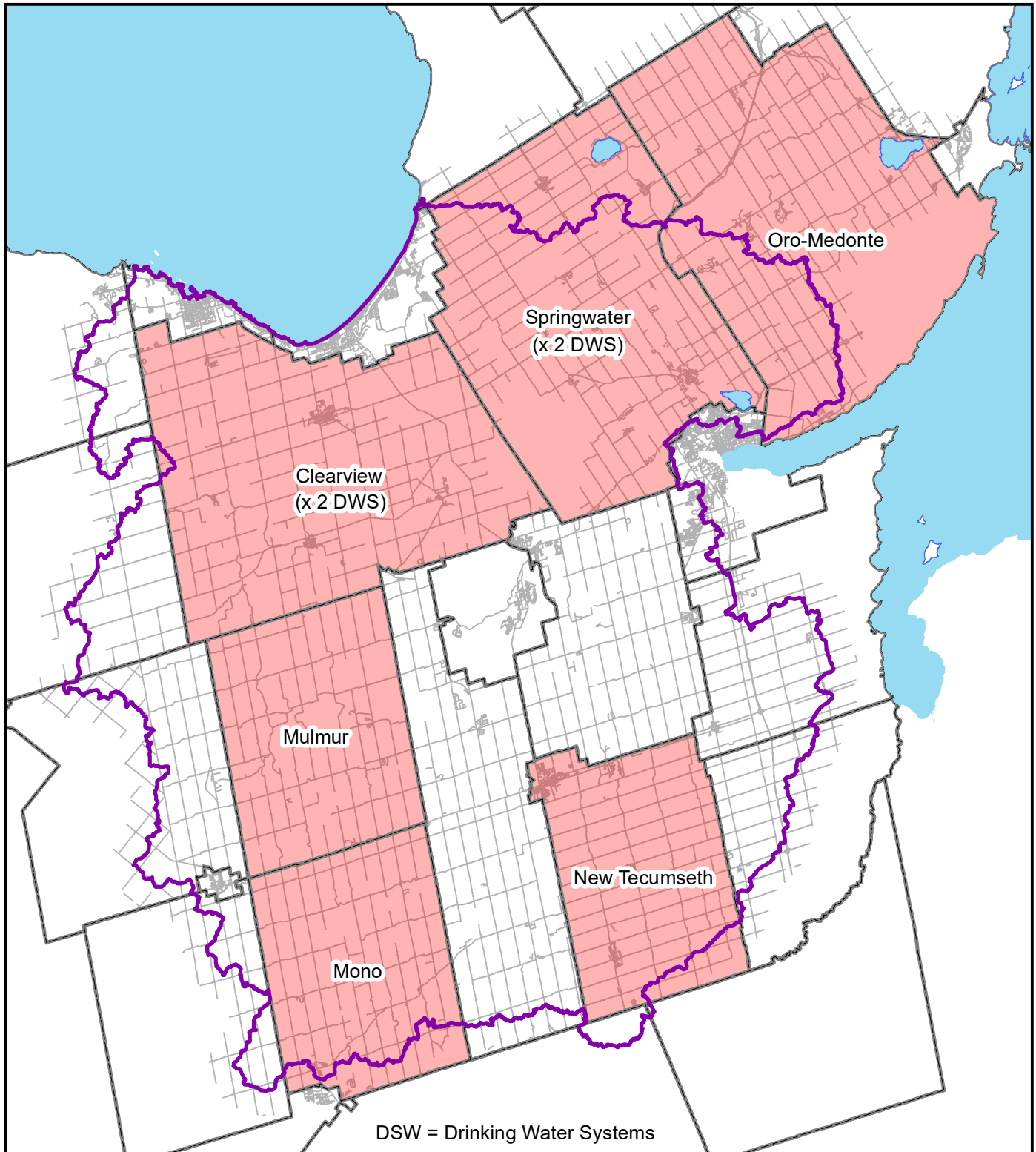


Ontario 




Figure 1

This map was produced by Nottawasaga Valley Conservation Authority. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.

Attachment F

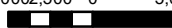


Legend

-  SPA Watershed Boundary
-  Municipal Boundary
-  Starting Soon or In Process Amendments



5,000 2,500 0 5,000 Meters



2024/25 MUNICIPAL WELL AMENDMENTS: Starting Soon or In Process Drinking Water Systems

Created by: NVCA
Date: 2024-04

Scale: 1:450,000

UTM Zone 17N, NAD83



Ontario 

Figure 2

This map was produced by Nottawasaga Valley Conservation Authority. Base data have been compiled from various sources, under data sharing agreements. While every effort has been made to accurately depict the base data, errors may exist.



Staff Report: 04-01-24-NVSPA

Date: 26/04/2024

To: Nottawasaga Valley Source Protection Authority

From: Sarah Thompson
Source Water Coordinator

SUBJECT: Appointment of Members to the Source Protection Committee.

Recommendation

RESOLVED THAT: Staff Report No. 04-01-24-NVSPA regarding the appointment of members to the Source Protection Committee be received for information.

Purpose of the Staff Report

The purpose of this Staff Report No. 04-01-24-NVSPA is to update the Source Protection Authority on the process for the appointment of a member to the Source Protection Committee.

Background

The Clean Water Act directs all Source Protection Regions to establish a Source Protection Committee, the members of which shall be responsible for developing and monitoring the implementation of a Source Protection Plan. In the case of the South Georgian Bay – Lake Simcoe Source Protection Region, the committee has been defined as being composed of a Chair, plus 22 members. Furthermore, members are to include one First Nations representative and seven representatives each from the municipal, economic/industrial sectors, and public at large.

Issues/Analysis

The Source Protection Committee has been in place since 2007 and has always included one member representing municipalities in the Nottawasaga Valley

Source Protection Area (NVSPA). However, that position has recently become vacant due to a deceased member.

Regulation 288/07 under the *Clean Water Act* specifies the process that Source Protection Authorities are to follow when appointing members to the Committee. Municipal sector representatives are to be appointed by local Source Protection Authorities and are to be based on candidates recommended by local municipalities.

Following our standard process, letters seeking nominees were sent to Chief Administrative Officers of all municipalities in the NVSPA. As a result of that process, an experienced and suitable candidate has expressed interest from the Town of New Tecumseth to fill this position. Jennifer Best joined the Town of New Tecumseth in April of 2021 as the Planning and Building Department's Director. She has over 25 years of planning experience at the local, county, and regional levels in development and policy planning. In her experience, she has held various profiles including agricultural, environment, source protection, servicing, public engagement, housing, and sustainable residential programs. Jennifer is a collaborator and believes that bringing people together is the best method for implementation of planning policy and plans. She holds a degree in urban and regional planning and a master's in public administration and is a registered Professional Planner.

At Jennifer's time at York Region between 2012 and 2021, she was responsible for assisting the Environmental Services Water Resources group by bringing her planning expertise to implement the Source Protection Plans for South Georgian Bay Lake Simcoe and CTC (Credit Valley, Toronto & Region, and Central Lake Ontario) at the Regional and local levels. She drafted policy for a source protection regional official plan amendment and worked to have the amendment approved which involved public, industry and political consultation. Jennifer also drafted the current Regional Official Plan source protection policies that was provincially approved in 2022. To ease the implementation, Jennifer developed and produced official plan and zoning by-law templates for local municipalities to translate source protection plan language into land use planning language that was used by the local municipalities in collaboration with local municipal, conservation authority and MECP staff.

Also during her time at York Region, she helped to develop internal business processes for the Region to integrate source protection plan requirements into their existing business processes. Further, she created an implementation strategy

for local municipalities focusing on front line planning, building, and engineering staff responsible for delivering the policies. In addition to policy work, she engaged stakeholders by producing with the Water Resources Group education and outreach materials. Jennifer also represented the Region on various external working committees with local municipalities and conservation authorities. Further, she represented the Region and carried out speaking engagement opportunities at AWWA annual conference, OWWA, South Georgian Bay Lake Simcoe Source Protection Authority, CTC Source Protection Authority, BILD, local and regional municipalities and internal Regional committees.

As of April 16, 2024, a few municipalities have declined to seek a seat. However, four other municipalities have requested an extension to have their Council review our current candidate, Jennifer Best, or determine if there is another nominee who may possess the experience and motivation to be a part of the SPC.

Relevance to Authority Policy/Mandate

The *Clean Water Act* stipulates that the process for replacing a member on the Committee must be that which was used to select the member originally. This report is the final step of the process to formally appoint the new member to the Committee.

It is therefore recommended that Staff Report No. 04-01-24-NVSPA regarding the appointment of members to the Source Protection Committee be received for information

Impact on Authority Finances

There are no implications on the finances of the Authority.

Climate Change Implications

This staff report does not result in an increase in greenhouse gases, temperature or precipitation exposure.

Reviewed by:

Original Signed by

Chris Hibberd

Director Watershed Management Services

Approved for submission by:

Original Signed by

Doug Hevenor

Chief Administrative Officer

Attachments:

Letter to Nottawasaga Valley Watershed Municipal CAOs dated April 9, 2024



April 9, 2024

To: Sonya Skinner, Town of Collingwood
Nicole Martin, Township of Amaranth
Nelson Santos, Township of Adjala-Tosorontio
Michael Prowse, City of Barrie
Shawn Everitt, Town of the Blue Mountains
Geoff McKnight, Town of Bradford West Gwillimbury
John Ferguson, Township of Clearview
Michael Mikael, Township of Essa
Karen Govan, Municipality of the Grey Highlands
Oliver Jerschow, Town of Innisfil
Denise Holmes, Township of Melancthon
Michael Dunmore, Town of Mono
Tracey Atkinson, Township of Mulmur
Robin Dunn, Township of Oro-Medonte
Denyse Morrissey, Town of Shelburne
Jeff Schmidt, Township of Springwater
Lori Bedford, Town of New Tecumseth
Andrew McNeill, Town of Wasaga Beach

Dear Nottawasaga Valley Source Protection Region Chief Administrative Officers:

Subject: Source Protection Committee – Replacement of Municipal Members

The Nottawasaga Valley Source Protection Authority is seeking to fill a membership vacancy on the South Georgian Bay – Lake Simcoe Source Protection Committee. This member will be representing municipalities in the Nottawasaga Valley Source Protection Area.

The Committee has been in place since 2007, and has always included one member representing municipalities in the Nottawasaga Valley Source Protection Area. That position has recently become vacant due to a deceased member.

An experienced and suitable candidate has expressed interest from the Town of New Tecumseth to fill this position. While the Town of New Tecumseth has nominated this very qualified candidate, there is also an opportunity for all municipalities in the Source Protection Area to nominate staff or members of Council.

Please consider this email a request for Committee member nominations. An election will be held should other nominations be received. The process for nominations and member selection is outlined below, along with some background on the role and commitment of Committee members

Members are asked to make a five-year commitment to serve on the Committee. During this period, the committee will meet 2 to 3 times per year in the Barrie area (or remotely). Meetings are typically held weekday afternoons, and committee members receive a per diem and mileage reimbursement for meetings attended.

Source Protection Committee Member Selection Process

The *Clean Water Act* stipulates that the original process must be used to replace a member on the committee. As you may recall, the process involved:

1. Notify all municipalities in the watershed of the membership opportunity. This step is completed by way of this letter.
2. Request all 18 municipalities to:
 - Put forward the name of a candidate if interested in doing so, and
 - Authorize someone to vote for the municipal representatives in the event there are more interested candidates than the one seat available.
3. Hold an election if required;
 - In the event there are more nominations than the one seat available, an election will be held via electronic ballot (email). For the election, quorum will be 50% plus one.
 - All municipalities (Upper Tier, Local Area, and Single Tier) in the watershed receive one vote.
4. Affirm election results at the Nottawasaga Valley Source Protection Authority meeting and formally appoint the new members to the committee.

Member Nomination from the Town of New Tecumseth

Jennifer Best joined the Town of New Tecumseth in April of 2021 as the Director of Planning and Building Department. She has over 25 years' experience at the local, county and regional levels in development and policy planning. She has held various profiles including agricultural, environment, source protection, servicing, public engagement, housing, and sustainable residential programs. Jennifer is a collaborator and believes that bringing people together is the best method for implementation of planning policy and plans. She holds a Bachelor's Degree in Urban and Regional Planning, and a Master's Degree in Public Administration and is a Registered Professional Planner.

During Jennifer's time at York Region from 2012 and 2021, she was responsible for assisting the Environmental Services Water Resources group through her planning expertise to implement the Source Protection Plans for South Georgian Bay Lake Simcoe and Credit Valley, Toronto & Region, and Central Lake Ontario at the regional and local levels. She drafted policy for a source protection regional official plan amendment and worked to have the amendment approved which involved public, industry and political consultation. Jennifer also drafted the current Regional Official Plan source protection policies that was approved by the province in 2022.

To support the implementation, Jennifer developed and produced official plan and zoning by-law templates to translate source protection plan language into land use planning language for local municipalities, conservation authority and Ministry of Environment, Conservation and Parks (MECP) staff. Jennifer also represented the Region on various external working committees with local municipalities and conservation authorities.

Next Steps: Action Required from You

By **April 15, 2024**, please email Sarah Thompson at sthompson@nvca.on.ca indicating the name of your candidate you wish to nominate, as well as the name of the person authorized to vote on behalf of your municipality. Please inform Sarah if your municipality does not wish to seek a seat on the Committee. In the event there are more nominations than the one seat available, an election will be held via electronic ballot (email). For the election, quorum will be 50% plus one.

Background

The *Clean Water Act* is legislation put forward by the Ministry of the Environment, Conservation and Parks (Ministry) aimed at preventing the overuse and contamination of municipal drinking water supplies. This legislation divested much of the responsibility to local stakeholder groups, known as Source Protection Committee.

Locally, the South Georgian Bay – Lake Simcoe Source Protection Committee is comprised of one First Nations member, seven municipal members, seven members of the public, and seven economic members intended to represent the various interests from across the watershed region and ensure a balanced and practical approach to drinking water protection.

The Committee has been meeting since December 2007 and was responsible for three deliverables:

- A Terms of Reference describing the work to be done, who was responsible, and the approximate timelines and costs,
- Technical Assessment Reports describing vulnerable areas specific to municipal water quality and quantity, and risks to water supplies, and
- Source Protection Plans that include strategies and policies intended to manage existing risks and prevent new risks from occurring.

The Ministry approved the Source Protection Plan on January 26, 2015, at which time the function of the Committee transitioned primarily to evaluating the implementation of the Plan policies and conducting periodic updates to ensure the Plan is supporting the desired protection to the sources of municipal drinking water.

Thank you in advance for your interest and assistance with the Source Protection program. Should you have any questions, please do not hesitate to contact Sarah Thompson at 705-424-1479 ext. 283 or sthompson@nvca.on.ca.

Sincerely,



Doug Hevenor

Chief Administrative Officer

Nottawasaga Valley Conservation Authority

CC: Doug Hevenor, Chief Administrative Officer, NVCA

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

Bill Thompson, Manager, Watershed Plans and Strategies