

Grey Sauble Conservation Authority
R.R. #4, 237897 Inglis Falls Road
Owen Sound, Ontario N4K 5N6 (519) 376-3076; ext. 221
v.coleman@greysauble.on.ca

The next regular meeting of the Grey Sauble Conservation Authority Board of Directors is scheduled for Wednesday, December 22nd, 2021, at 1:15 p.m. The regular meeting will occur via the Webex web-based application. Please notify Valerie Coleman if you are unable to attend.

Directors

Greig, Scott (Chair)
Matrosovs, Andrea (Vice-Chair)
Burley, Dwight
Greenfield, Harley
Greig, Ryan
Koepke, Marion
Little, Cathy
Mackey, Scott
McKenzie, Paul
Moore Coburn, Cathy
Vickers, Paul

Honourary Members

Elwood Moore
Betty Adair

Oosting, Lara, MNRF Peterborough
Allison, Tracy, MNRF Owen Sound
Walker, Bill, MPP Bruce Grey Owen Sound
Ruff, Alex, MP Bruce Grey Owen Sound
Dowdall, Terry, MP Simcoe-Grey
Wilson, Jim, MPP Simcoe-Grey

Member Municipalities

Municipality of Arran-Elderslie, Town of the Blue Mountains, Township of Chatsworth, Township of Georgian Bluffs, Municipality of Grey Highlands, Municipality of Meaford, City of Owen Sound, Town of South Bruce Peninsula



519.376.3076
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Owen Sound, ON N4K 5N6
www.greysauble.on.ca

Protect.
Respect.
Connect.

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The next regular meeting of the Grey Sauble Conservation Authority Board of Directors is scheduled for Wednesday, December 22nd, 2021, at 1:15 p.m. The regular meeting will occur via the Webex web-based application. Public viewing of this meeting will be available via a live stream on YouTube at:

https://www.youtube.com/channel/UCy_ie5dXG8aFYDYG8tV9Yg/videos.

Please note that this is a Notice of Meeting only for your information.

The Sun Times
Bayshore Broadcasting
The Meaford Independent
The Bounce
The Wiarton Echo
The Advance
The Post
The Thornbury Paper
The Hub Owen Sound
Blue Mountains Review
South Grey News
Collingwood Today

Member Municipalities

Municipality of Arran-Elderslie, Town of the Blue Mountains, Township of Chatsworth, Township of Georgian Bluffs, Municipality of Grey Highlands, Municipality of Meaford, City of Owen Sound, Town of South Bruce Peninsula

AGENDA

Grey Sauble Conservation Authority
Full Authority Meeting
Wednesday, December 22, 2021, at 1:15 p.m.

- 1. Call to Order**
- 2. Disclosure of Pecuniary Interest**
- 3. Call for Additional Agenda Items**
- 4. Adoption of the Agenda**
- 5. Approval of Minutes**
 - i. Full Authority – November 24, 2021 – Resolution – Attachment #1
- 6. Business Out of Minutes – None at this time.**
- 7. Consent Agenda**
 - i. Environmental Planning – Section 28 Permits – November 2021 – Attachment #2
 - ii. Administration – Receipts & Expenses – November 2021 – Attachment #3
 - iii. Correspondence – None at this time.
 - iv. Conservation Ontario – None at this time.
 - v. Minutes – GSCA Indigenous Committee Minutes – Attachment # 4
 - vi. Media – Attachment # 5
- 8. Business Items**
 - i. Administration
 - a. Report Back on Investment Reallocation – Resolution – Attachment # 6 (15 min)
 - b. CAA Transition Plan – Resolution – Attachment # 7 (15 min)
 - c. 2022 Board of Directors Meeting Schedule – Resolution (10 min)
 - d. 2022 Budget – 4 Resolutions – Attachment # 8 (30 min)
 - ii. Water Management
 - a. Watershed Health Checks – Information – Attachment # 9 (10 min)
 - iii. Environmental Planning
 - a. 2022 Planning and Permits Fee Schedule – Resolution – Attachment # 10 (10 min)
 - iv. Operations – Nothing at this time.

- v. Conservation Lands – Nothing at this time.
- vi. Forestry
 - a. 2021 Stewardship Activity Report – Information – Attachment # 11 (15 min)
 - b. GSCA Cedar Cutting Approach – Information – Attachment # 12 (10 min)
- vii. Communication/Public Relations – Nothing at this time.
- viii. Education – Nothing at this time.
- ix. GIS/IT
 - a. Board Orientation – Board Portal Tour – Information (15 min)
- x. DWSP/RMO Report – Nothing at this time.

9. CAO's Report

10. Chair's Report

11. Resolution to Move into Closed Session

"THAT the GSCA Board of Directors now move into 'Closed Session' to consider:

- i. Minutes of the Closed Session of the Regular Board of Directors meeting held on November 24, 2021; and,
- ii. To discuss an item in the Town of South Bruce Peninsula regarding litigation or potential litigation including matters before administrative tribunals and/or the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose; (GSCA Administrative By-Law, Section 4(xvii)(1)(d)&(f)); and,

12. Resolution that the Board of Director's has Resumed Open Session

13. Resolution Approving the Closed Session Minutes of November 24, 2021

14. Reporting out of Closed Session

15. Adjournment



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-144

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors approve the agenda of December 22, 2021.

**GREY SAUBLE CONSERVATION AUTHORITY
MINUTES
Full Authority Board of Directors
Wednesday, November 24, 2021, at 1:15 p.m.**

The Grey Sauble Conservation Authority Board of Directors meeting was held via the internet on the meeting application, WebEx.

1. Call to Order

Chair Scott Greig called the meeting to order at 1:15 p.m.

Directors Present: Chair Scott Greig, Vice Chair Andrea Matrosovs, Dwight Burley, Cathy Moore Coburn, Cathy Little, Harley Greenfield, Ryan Greig, Paul Vickers, Marion Koepke, Scott Mackey, Paul McKenzie

Regrets: None

Staff Present: CAO, Tim Lanthier; Administrative Assistant, Valerie Coleman; Manager of Information Services, Gloria Dangerfield; Manager of Financial and Human Resource Services, Alison Armstrong; Manager of Conservation Lands, Rebecca Ferguson; Forestry Coordinator, Mike Fry; Operations Manager, Morgan Barrie; DWSP Project Coordinator, Carl Seider

2. Disclosure of Pecuniary Interest

The Directors were reminded to disclose any pecuniary interest that may arise during the course of the meeting. No disclosures of pecuniary interest were expressed at the time.

3. Call for Additional Agenda Items

Nothing at this time.

4. Adoption of Agenda

Motion No.:
FA-21-128

Moved By: Cathy Little
Seconded By: Dwight Burley

THAT the Grey Sauble Conservation Authority Board of Directors approve the agenda of November 24, 2021.

Carried

5. Approval of Minutes

Motion No.:
FA-21-129

Moved By: Andrea Matrosovs
Seconded By: Harley Greenfield

THAT the Grey Sauble Conservation Authority Board of Directors approve the Full Authority minutes of October 27, 2021.

Carried

6. Business Out of Minutes

Nothing at this time.

7. Consent Agenda

Motion No.:
FA-21-130

Moved By: Cathy Little
Seconded By: Cathy Moore Coburn

THAT in consideration of the Consent Agenda Items listed on the November 24, 2021, agenda, the Grey Sauble Conservation Authority Board of Directors receives the following items: (i) Environmental Planning – Section 28 Permits – October 2021; (ii) Administration – Receipts & Expenses – October 2021; (iii) Correspondence – Letter from GSCA to Ian Boddy Re: Estate Sale; Thank you letter from the Rotary Club of Owen Sound; (iv) Conservation Ontario – Minutes of September 2021; (vi) Recent Media Articles

Carried

8. Business Items

i. Administration

a. Q3 Budget Update

The Manager of Financial and Human Resource Services, Alison Armstrong presented the Q3 Budget update. Alison gave a brief overview by department and noted that many departments were under budget either due to unexpected funding streams or changes to salaries and wages. Also noted was an increase in insurance costs reflected under the administration budget. Alison reported that there is currently expected to be an overall surplus in the Operating Budget.

Member Marion Koepke joined the meeting at 1:30 p.m.

In the capital budget, several projects were completed under budget. The capital budget is expected to come in under budget at yearend.

A Member asked with regard to the surplus showing in the Environmental Planning & Regulations Department. Alison and the CAO, Tim Lanthier explained that there is an increase in planning and permit applications and there was a reduction in staff wages and salaries due to staff change over. Tim noted that the surplus in wages was expected and had been set aside to fund the service rate review through Watson & Associates.

b. Q3 Investment Update

The Manager of Financial and Human Resource Services, Alison Armstrong gave an update on the TD Wealth Investment Account. Alison noted that the end of September market value of \$1.528 million has increased since the send of September. The statement also shows the transfer of new funds into the portfolio as per the Board's direction.

A Member raised a concern around the emerging financial issues in the US market and the idea of transferring a portion of GSCA's invested funds into a more secure investment form, such as a 1-year GIC. Other Member's agreed. The CAO, Tim Lanthier will investigate with GSCA's financial advisor and bring a report back to the Board.

Motion No.:
FA-21-131

Moved By: Paul Vickers
Seconded By: Paul McKenzie

THAT, the Grey Sauble Conservation Authority Board of Directors direct staff to prepare a report providing options for safeguarding current investment gains while also allowing for possible short-term use of investments, including cash holdings in reserves.

Carried

c. Reserve Funds Update

The Manager of Financial and Human Resource Services, Alison Armstrong provided an update of the GSCA reserve funds. It was noted that not all of the GSCA reserve funds are invested in the TD Wealth investment portfolio, there is a portion that is set aside in a separate savings account. It was suggested that these funds could be considered for alternative investment.

Alison outlined the reserves activity and noted that anticipated transfers into the Lands reserve are higher than budgeted due to increased parking revenues.

d. Recruitment Guidelines for Managers

The CAO, Tim Lanthier spoke to the provided newly created Recruitment and Onboarding Guidelines. As part of ongoing succession planning, staff have been working on developing a Manager's Toolkit to provide a framework and guidance for department managers. The next component of the Manager's Toolkit will be a performance measures document, to be completed in 2022.

e. In-Person Meeting Report Back

The CAO, Tim Lanthier made a report to the Board regarding the return of in-person Board of Directors meetings. As directed by the Board, staff have investigated the feasibility of resuming in-person Board meetings in the administration building and provided several options for the Board to consider. This report took into consideration the relevant pieces of legislation and feedback from member municipalities and neighbouring CAs. Tim provided a photo and diagram of the GSCA board room set-up with proper distancing showing that it can fit 13 to 15 people safely.

Several options were presented to the Board: resume meetings at the GSCA Administration Centre utilizing a hybrid format; resume meeting at a larger facility with the possibility of requiring A/V equipment to accommodate all needs; or continue meeting virtually. Staff continue to investigate other alternative meeting locations, such as the possibility of utilizing the County of Grey's Council Chambers.

Several Members supported using the County of Grey Council Chambers and offered other locations that could also be utilized.

A Member noted that not all municipalities are meeting fully in person and that some councils using a hybrid format have invested heavily in the necessary equipment to do so.

Motion No.:
FA-21-132

Moved By: Paul McKenzie
Seconded By: Dwight Burley

WHEREAS COVID-19 cases with the Province of Ontario have declined substantially since the spring of 2021, but now continue to fluctuate,

AND WHEREAS the Grey Sauble Conservation Authority (GSCA) Board of Directors requested that Staff review the feasibility of the Board of Directors returning to in-person meetings,

AND WHEREAS GSCA Staff have reviewed the feasibility of such based on a variety of factors,

THAT, further to the information presented in this report, the GSCA Board of Directors resolve to continue meeting virtually until further notice.

Carried

ii. **Water Management**
Nothing at this time.

iii. **Environmental Planning**
Nothing at this time.

iv. **Operations**

a. Land Use Revenue Targets

The Operations Manager, Morgan Barrie, spoke to the provided report outlining the results of the expanded Ambassador program, parking revenue generated, and provided suggestions for improvement by area.

The increase in staff presence and the introduction of the Square electronic payment system at some areas was very successful. Morgan recommended that expanding the number of areas with staff and adjusting the staffing schedule would improve visitor compliance and experience further.

A Member asked if there continued to be issues with parking out of bounds at Inglis Falls and Bruce's Caves. Morgan replied that there were minimal reported issues at either location. Staff are exploring options to further improve those areas.

Chair Scott Greig passed along compliments to the staff from a visitor to Eugenia Falls. A Member suggested that staff make connections with other tourism agencies in the area to increase interest in the season pass.

Motion No.:	Moved By:	Marion Koepke
FA-21-133	Seconded By:	Dwight Burley

THAT the Grey Sauble Conservation Authority Board of Directors receive report 053-2021 from the Operations Department regarding parking revenue from January 1st to October 31st, 2021 as information.

Carried

v. Conservation Lands

a. Trail Counter Data

Manager of Conservation Lands, Rebecca Ferguson provided an update on visitation to GSCA properties. Overall, the number of visitors was up; however, not as dramatically as the previous year.

b. Property Entrance Signs

Manager of Conservation Lands, Rebecca Ferguson updated Members on the newly updated property signage. There are two sizes, a smaller one for less frequented areas and a larger, framed sign for more popular areas. The signage includes the new branding and logo.

The Board meeting recessed at 3:16 p.m.

The Board meeting resumed at 3:31 p.m.

c. Eugenia Falls Management Plan Terms of Reference

Manager of Conservation Lands, Rebecca Ferguson presented the drafted Terms of Reference (ToR) for the Eugenia Falls Management Plan. This ToR document is in line with that of the Inglis Falls Management Plan.

Motion No.:	Moved By:	Cathy Little
FA-21-134	Seconded By:	Harley Greenfield

WHEREAS, Grey Sauble Conservation Authority is committed to completing a Management Plan for the Eugenia Falls Conservation Area;

THAT, the Grey Sauble Conservation Authority Board of Directors endorse the provided Terms of Reference for the development of the Plan.

Carried

vi. Forestry

a. Carbon Credit Review

Forestry Coordinator, Mike Fry spoke to what carbon credits are and how GSCA may utilize them as a potential revenue stream. Mike gave an overview of what carbon credits are, how organizations like GSCA can sell them, and the steps for GSCA to pursue this opportunity.

Member Paul Vickers left the meeting @ 3:30 p.m.

The next step for GSCA will be to have a Feasibility Assessment to determine if GSCA forests meet the requirements to offer Carbon Credit sales.

Staff have recommended commissioning CarbonZero to conduct the feasibility assessment. Once complete, staff will report any findings to the Board of Directors and discuss next steps.

Motion No.:
FA-21-135

Moved By: Scott Mackey
Seconded By: Marion Koepke

WHEREAS under Section 21(1)(f) of the Conservation Authorities Act, Grey Sauble Conservation Authority (GSCA) has the power to enter into agreements for the purchase of materials, employment of labour and other purposes as may be necessary for the due carrying out of any project or to further the authority's objects;

WHEREAS under Section 21.1 GSCA shall provide programs and services related to the conservation and management of lands owned or controlled by the authority, including any interests in land registered on title;

WHEREAS GSCA owns and manages over 11,300 hectares (28,000 acres) of land comprised of 207 individual properties organized into 79 groupings;

AND WHEREAS, GSCA manages nearly 5,260 hectares (13,000 acres) of forested area to offset the operating expenses of the Forestry department and GSCA;

THAT the Board of Director's approve the recommendation to engage CarbonZero to conduct a Feasibility Assessment of GSCA lands to assess the potential of a viable Forest Carbon Offset project.

Carried

b. Review of Cutting Cycle Lengths for Plantations

Forestry Coordinator, Mike Fry spoke to what cutting cycles are and how the GSCA decides what is appropriate for GSCA forest. The cutting cycle length is one part of a Forest Management Plan. GSCA, in consultation with the Ministry of Northern Development Mines Natural Resources and Forests (MNDMNRF), and historical forest management practices have applied a 15-year cutting cycle. However, this cycle length is flexible to take into consideration stands that will not yield an appropriate amount of volume at the 15-year mark.

Staff are also using Density Management Software through the MNDMNRF to help plan harvests and project future harvest volumes and timing.

Motion No.:
FA-21-136

Moved By: Cathy Moore Coburn
Seconded By: Ryan Greig

THAT the Grey Sauble Conservation Authority Board of Directors receive report 056-2021 from the Forestry Department regarding Cutting Cycle Lengths for Plantations as information.

Carried

c. Kolapore 97 Tender

Forestry Coordinator, Mike Fry presented the received bids for the Kolapore 97 Management Area. GSCA received a total of five tender bids for this management area. Bids were opened by Mike Fry, Forestry Coordinator, Cam Bennett, Forestry Technician, Tim Lanthier, CAO, and Scott Greig, Board Chair. Staff recommended the Board award the tender to Klemmer Lumber for their bid of \$53,000.

Motion No.:
FA-21-137

Moved By: Dwight Burley
Seconded By: Paul McKenzie

WHEREAS Grey Sauble Conservation Authority (GSCA) owns and manages over 11,300 hectares (28,000 acres) of land comprised of 207 individual properties organized into 79 groupings;

AND WHEREAS, GSCA manages nearly 5,260 hectares (13,000 acres) of forested area to offset the operating expenses of the Forestry department and GSCA;

THAT the Grey Sauble Conservation Authority Board of Directors award the following forestry tender:

Sawlog Harvest tender (GSC-21-03) for Kolapore Management Area – Compartment 97 – to Klemmer Lumber for their total bid of \$53,000, subject to signing the agreement;

Carried

d. Skinners Marsh – McNab Lake Tender Exemption

Forestry Coordinator, Mike Fry spoke to Compartment 110 & 112 at Skinner's Marsh/McNabb Lake. There had been a tender advertised for this management area but failed to receive any bids. Subsequently, GSCA received an offer for the marked volume.

Motion No.:
FA-21-138

Moved By: Harley Greenfield
Seconded By: Cathy Little

WHEREAS, GSCA maintains and follows a Board approved Wood Products Tendering Policy which allows for stands of marked trees with an estimated value of less than \$10,000 to be sold through an RFQ process instead of public tender;

AND WHEREAS, Compartments 110 and 112 at Skinner's Marsh – McNabb Lake have been marked and estimated at a value below this threshold;

AND WHEREAS, Board approved changes to GSCA's management of ash trees has changed since time of marking and valuing these Compartments;

THAT the Board of Directors authorize staff to utilize the RFQ process for these Compartments even if the added value of ash exceeds \$10,000.

Carried

vii. Communications/Public Relations

Nothing at this time.

viii. Education

Nothing at this time.

ix. GIS/IT

a. SWOOP Update

The Manager of Information Services, Gloria Dangerfield provided an update on the Southwestern Ontario Orthophotography Project (SWOOP) 2020 Air Photos. GSCA has received air photos from the province every five years. It was noted that the partnership allows agencies to acquire these photos at a greatly reduced rate. Additionally, overlapping photos combined with the GSCA stereo system and 3D glasses, allows staff to view images in three dimensions.

Tim noted that these photos are utilized by every department in the GSCA.

Motion No.:
FA-21-139

Moved By: Cathy Moore Coburn
Seconded By: Andrea Matrosovs

THAT the Grey Sauble Conservation Authority Board of Directors receive report 059-2021 from the Information Services Department regarding SWOOP as information.

Carried

x. DWSP

Nothing at this time.

9. CAO's Report

The CAO, Tim Lanthier spoke to GSCA activities in November and items upcoming in December. The Elwood Moore Commemorative event will be held on November 25th to celebrate Elwood's 100th birthday. Tim has made a budget presentation to the Township of Georgian Bluffs Council and will be presenting to the Town of the Blue Mountains council. Tim extended this offer to all member municipalities. Staff have been developing the 2022 workplan and timeline to be presented at the December meeting of the Board.

Thanks were given to Mike Fry and Cam Bennet for facilitating the Board's woodlot tour. Tim noted that there were lots of great questions.

GSCA had partnered with the Owen Sound Library to provide two free parking passes for lend out to library card holders. Tim reported that the passes had been checked out 22 times in 2021. This was a successful partnership and will continue in 2022. Staff will be reaching out to other libraries in the watershed to discuss expanding this partnership.

Lastly, Tim reported that staff are working on finalizing year end operations.

10. Chair's Report

Chair Greig had nothing to report this meeting.

11. Other Business

Nothing at this time.

12. Resolution to Move into Closed Session

Motion No.:	Moved By:	Scott Mackey
FA-21-140	Seconded By:	Marion Koepke

THAT the Grey Sauble Conservation Authority Board of Directors proceed into closed session at 4:29 pm to discuss matters related to the following:

- i. **Minutes of the Closed Session of the Regular Board of Directors meeting held on October 27, 2021; and,**
- ii. **To discuss an item in the Municipality of Meaford regarding litigation or potential litigation including matters before administrative tribunals and/or the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose; (GSCA Administrative By-Law, Section 4(xvii)(1)(d)&(f)); and,**
- iii. **CAO Performance Goal Setting Session - closed as it relates to personal matters about an identifiable individual including Authority directors or Authority employees (GSCA Administrative By-Law, Section 4(xvii)(b))**

AND FURTHER THAT CAO, Tim Lanthier, Administrative Assistant, Valerie Coleman, Gloria Dangerfield, Manager of Information Services, and Manager of Conservation Lands, Rebecca Ferguson will be present, as amended.

Carried

13. Resolution that the Board of Directors has Resumed Open Session

Motion No.:	Moved By:	Marion Koepke
FA-21-141	Seconded By:	Cathy Little

THAT the Grey Sauble Conservation Authority Board of Directors resume open session.

Carried

14. Resolution Approving the Closed Session Minutes

Motion No.:
FA-21-142

Moved By: Harley Greenfield
Seconded By: Ryan Greig

**THAT the Grey Sauble Conservation Authority Board of Directors approve
the October 27, 2021, Closed Session minutes as presented in the closed session agenda.**

Carried

15. Reporting out of Closed Session

Nothing at this time.

16. Next Full Authority Meeting

Wednesday December 22th, 2021

17. Adjournment

The meeting was adjourned at 4:56 p.m.

Motion No.:
FA-21-143

Moved By: Ryan Greig
Seconded By: Scott Mackey

THAT this meeting now adjourns.

Carried

Scott Greig, Chair

Valerie Coleman
Administrative Assistant



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-145

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors approve the Full Authority minutes of November 24, 2021.

Permits Issued from November 1, 2021 to November 30, 2021

Permit #:	Date Applied:	Date Issued:	Lot:	Conc:	Municipality:	Former Municipality:
GS21-400	13-Sep-21	08-Nov-21	9	6	Town of Collingwood	Collingwood Township
Approved works:			Construction of a detached garage		Project Location:	589072 Grey Rd 19 Ravenna
					<input checked="" type="checkbox"/> construct	<input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input type="checkbox"/> fill
					Reviewed by:	
					Jake Bousfield-Baste	
GS21-378	13-Sep-21	08-Nov-21			Municipality of Meaford	St Vincent Township
Approved works:			Construction of a single-family dwelling, septic system and associated site alterations		Project Location:	170 Cedar Ave
					<input checked="" type="checkbox"/> construct	<input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input type="checkbox"/> fill
					Reviewed by:	
					Mac Plewes	
GS21-424	10-Oct-21	08-Nov-21	PT Lot 31	9	Municipality of Grey Highlands	Osprey Township
Approved works:			Regrading of existing gravel driveway		Project Location:	634267 Road 63 Grey Highlands
					<input type="checkbox"/> construct	<input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill
					Reviewed by:	
					Jake Bousfield-Baste	
GS21-435	12-Oct-21	09-Nov-21	Pt Lot 24	10	Town of Collingwood	Collingwood Township
Approved works:			Fill placement for second access		Project Location:	808116 24 Sideroad Clarksburg
					<input type="checkbox"/> construct	<input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill
					Reviewed by:	
					Jake Bousfield-Baste	
GS21-438	26-Oct-21	09-Nov-21			Town of South Bruce Peninsula	Albemarle Township
Approved works:			Construction of a cottage, garage and associated site alterations		Project Location:	160 Bruce County Road 9
					<input checked="" type="checkbox"/> construct	<input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input type="checkbox"/> fill
					Reviewed by:	
					Olivia Sroka	
GS21-409	11-Oct-21	09-Nov-21			Township of Georgian Bluffs	Sarawak Township
Approved works:			Construction of a storage shed		Project Location:	897 24th St W
					<input checked="" type="checkbox"/> construct	<input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline
					<input type="checkbox"/> alter structure	<input type="checkbox"/> alter wetland <input type="checkbox"/> fill
					Reviewed by:	
					Olivia Sroka	

Permit #:	Date Applied:	Date Issued:	Lot:	Conc:	Municipality:	Former Municipality:
GS21-041	28-Jan-21	09-Nov-21	33	9	Town of the Blue Mountains	Thornbury
Approved works:		replacement of railings and decking of existing pedestrian bridge			Project Location: Pedestrian Bridge between Bruce Street & Mill Street <input checked="" type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Justine Lunt	
GS21-346	19-Aug-21	09-Nov-21	20&21	10	Municipality of Meaford	St Vincent Township
Approved works:		Stream crossing for municipal road extension			Project Location: Sideroad 22 Extension <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Jake Bousfield-Baste	
GS21-444	27-Oct-21	09-Nov-21			Town of South Bruce Peninsula	Amabel Township
Approved works:		Construction of new 29sqm deck and septic installation			Project Location: 26 Eastside Dr <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Olivia Sroka	
GS21-449	05-Nov-21	09-Nov-21			Town of South Bruce Peninsula	Amabel Township
Approved works:		Construction of 1788sqft cottage			Project Location: 37 Cammidge Cres <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Olivia Sroka	
GS21-451	11-Nov-21	15-Nov-21			Municipality of Grey Highlands	Euphrasia Township
Approved works:		1209 sq. ft. open deck			Project Location: 686370 19 Sideraad <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste	
GS21-434	12-Oct-21	15-Nov-21	24	10	Municipality of Meaford	Sydenham Township
Approved works:		In-ground swimming pool and associated site alterations			Project Location: 418706 concession A, Owen Sound <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Jake Bousfield-Baste	
GS21-388	15-Sep-21	15-Nov-21			Town of Collingwood	Collingwood Township
Approved works:		Construction of residential dwelling, septic and associated site alterations.			Project Location: 177 Cameron Street <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste	

Permit #:	Date Applied:	Date Issued:	Lot:	Conc:	Municipality:	Former Municipality:
GS21-423	23-Sep-21	15-Nov-21			Town of Collingwood	Collingwood Township
Approved works:		Directional drilling for gas main extension		Project Location: 516520 to 516450 7th Line <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		
GS21-445	27-Oct-21	16-Nov-21			Township of Georgian Bluffs	Keppel Township
Approved works:		Construct a single family dwelling, install septic system, and construct diversion channel		Project Location: 172 Mallard St <input checked="" type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Olivia Sroka		
GS21-348	06-Aug-21	18-Nov-21	Part lot 3	10	Town of South Bruce Peninsula	Albemarle Township
Approved works:		Removal of old concrete walkways and cribs and replace with stacked armour stone.		Project Location: 100 Hope Bay Road <input type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input checked="" type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka		
GS21-411	18-Oct-21	18-Nov-21			Township of Georgian Bluffs	Keppel Township
Approved works:		shorewell installation		Project Location: 198 Old Mill Rd <input type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input checked="" type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka		
GS21-390	07-Sep-21	19-Nov-21			Town of Collingwood	Collingwood Township
Approved works:		Demolition of existing dwelling, construction of new dwelling, attached garage and associated site alterations.		Project Location: 168 Bay Street East, Thornbury <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		
GS21-425	20-Oct-21	19-Nov-21	31	10	Town of Collingwood	Collingwood Township
Approved works:		Renovation and addition to commercial building		Project Location: 200 Marsh Street, Clarksburg <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		
GS21-322	22-Jul-21	20-Nov-21	PLAN 442	11	Town of Collingwood	Collingwood Township
Approved works:		Addition and renovation to existing dwelling, replacement of existing deck, and associated site alterations		Project Location: 377 Sunset Boulevard <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Jake Bousfield-Baste		

Permit #:	Date Applied:	Date Issued:	Lot:	Conc:	Municipality:	Former Municipality:
GS21-421	05-Oct-21	23-Nov-21	Pt Lot 26	5	Town of Collingwood	Collingwood Township
Approved works:			construction of a single detached dwelling and associated site alteration		Project Location: 108 Deer Lane <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input checked="" type="checkbox"/> fill Justine Lunt	
GS21-443	27-Oct-21	24-Nov-21			Town of South Bruce Peninsula	Albemarle Township
Approved works:			Construct addtions onto existing dwelling		Project Location: 299 Red Bay Road <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	
GS21-457	09-Nov-21	24-Nov-21			Township of Georgian Bluffs	Derby Township
Approved works:			Directional drilling under watercourse to install duct/fibre		Project Location: Grey Road 5 <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	
GS21-458	09-Nov-21	24-Nov-21			Municipality of Arran-Elderslie	Arran Township
Approved works:			directional drilling under stream to install duct/fibre		Project Location: Bruce Road 5 <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	
GS21-459	09-Nov-21	24-Nov-21			Municipality of Arran-Elderslie	Arran Township
Approved works:			directional drilling under watercouse to install duct/fibre		Project Location: Young St and River St <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	
GS21-460	09-Nov-21	24-Nov-21			Municipality of Meaford	Sydenham Township
Approved works:			directional drilling under watercourse to install duct/fibre		Project Location: Grey Road 15/Side Rd 33 <input type="checkbox"/> construct <input checked="" type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	
GS21-461	09-Nov-21	24-Nov-21			Municipality of Meaford	Sydenham Township
Approved works:			directional drilling under wetland to install duct/fibre		Project Location: Sideroad 33 <input type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input checked="" type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka	

Permit #:	Date Applied:	Date Issued:	Lot:	Conc:	Municipality:	Former Municipality:
GS21-469	10-Nov-21	26-Nov-21			Municipality of Meaford	St Vincent Township
Approved works:		Replace pole within regulated area		Project Location: <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		
GS21-273	22-Jun-21	26-Nov-21	Part Lot	Concession 19	Township of Georgian Bluffs	Keppel Township
Approved works:		Construct single family dwelling, storage shed and associated site alteration		Project Location: No civic address assigned <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Olivia Sroka		
GS21-468	24-Nov-21	29-Nov-21	PT lot 26	Con BF	Municipality of Meaford	Sydenham Township
Approved works:		New drive shed and associated site alterations		Project Location: 359722 Bayshore Road Annan NOH 1B0 <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		
GS21-454	27-Oct-21	29-Nov-21			Municipality of Grey Highlands	Euphrasia Township
Approved works:		Placement of boulders along existing concrete walkway and new wooden deck surface.		Project Location: 199 Point Road Flesherton <input checked="" type="checkbox"/> construct <input type="checkbox"/> alter watercourse <input checked="" type="checkbox"/> shoreline Reviewed by: <input type="checkbox"/> alter structure <input type="checkbox"/> alter wetland <input type="checkbox"/> fill Jake Bousfield-Baste		

**Grey Sauble Conservation Authority
Receipt Report
November 1st - 30th, 2021**

Regulation Permits	\$	13,030.00	
Planning	\$	17,600.00	
Land Use Agreements	\$	1,670.70	
Self-Serve Parking Fees	\$	3,060.00	
Municipality of Meaford	\$	3,498.34	Refund of Tax Overpayment
Forestry	\$	3,749.89	
Timber Sales	\$	5,300.00	Comp. 97
Forestry Donation	\$	6,500.00	
Flood Forecasting	\$	285.00	Elephant Thoughts
County of Grey	\$	77,201.71	3rd Qtr. Management
County of Grey	\$	14,481.78	Summer Trails Grant
4th Levy Installment	\$	93,162.55	Grey Highlands, Meaford, Chatsworth
Donations	\$	251.95	
Miscellaneous	\$	1,851.10	
Funds Owed To Foundation	\$	150.00	
BRWI	\$	20.00	
Arboretum Alliance	\$	150.00	
Hibou Playground	\$	6,101.66	

Total Monthly Receipts	\$	248,064.68
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Grey Sauble Conservation Authority
Expense Report
November 1st to 30th, 2021

11646	Rita McGee	\$	649.75	Staff Training
11647	GBTel	\$	451.98	Internet Service
11648	Bell Canada	\$	80.19	Tara Stream Gauge Monthly Service
11649	Benedict Electrical Contracting Limited	\$	202.08	Admin Centre Basement Upgrades
11650	Coates & Best Inc.	\$	132.99	Office Supplies
11651	Staples Advantage	\$	103.96	Office Supplies
11652	VOID			
11653	Harold Sutherland Construction Ltd	\$	6,894.89	Hibou Playground
11654	MacDonnell Fuels Limited	\$	2,933.56	Vehicle Fuel
11655	Municipality of Meaford	\$	96.36	Hibou Water Charges
11656	Pickfield Law Professional Corp.	\$	1,474.65	Planning Legal Fees
11657	Rogers Wireless	\$	176.20	Cell Phone Usage
11658	St. John Ambulance	\$	3,190.00	Staff Training
11659	Watson & Associates	\$	1,548.10	Planning Program Fees Review
11660	Xerox Canada Ltd.	\$	142.02	Copy and Print Charges
11661	High Branch	\$	1,045.25	Arborist Services
11662	Georgian Planning Solutions	\$	150.00	Planning Fee Refund
11663	Miller Golf Design Group Inc.	\$	220.00	Planning Fee Refund
11664	Municipality of Grey Highlands	\$	2,019.00	Property Tax
11665	Invasive Phragmites Control Centre	\$	90,400.00	Oliphant Phragmites Cutting
11666	Openspace Solutions Inc.	\$	11,187.00	Hibou Playground
	Mastercard Payments	\$	6,857.55	
	Amilia	\$	466.24	
	Bruce Telecom	\$	526.09	
	DWSP Copier Lease	\$	163.85	
	Office Moneris Fees	\$	81.50	
	Self-Serve Moneris Fees	\$	171.35	
	Hydro, Reliance	\$	1,611.78	
	HST Return	\$	29,598.15	
	Receiver General, EHT, WSIB	\$	42,883.80	
	Group Health Benefits	\$	9,338.08	
	OMERS	\$	22,381.10	
	GSCA Per Diems	\$	1,244.25	
	Employee Expense Claims	\$	1,374.47	
	Monthly Payroll	\$	96,724.25	

Total Monthly Expenses	\$ 336,520.43
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MINUTES

Indigenous and GSCA Relationships Committee
Friday, September 30, 2021 at 10:30 a.m.

Invitees Present: Cathy Little, Dwight Burley, Cathy Moore Coburn, Vicki Rowsell, Tim Lanthier, Serenity Morton, Jake Bousfield-Bastedo, Rebecca Ferguson, Valerie Coleman

Guests: NA

Regrets: Paul McKenzie

Chair: Cathy Moore Coburn

1. Welcome and Indigenous Lands Acknowledgment

As per the committee's decision to rotate the role of chair, Cathy Moore Coburn sat as the chair for this meeting. Cathy read the Land Acknowledgement and gave a statement with regard to the inaugural National Day of Truth and Reconciliation. Additionally, in keeping with the Giiwe recommendation to read one or more of the calls to action, read # 57; "We call upon federal, provincial, territorial, and municipal governments to provide education to public servants on the history of Aboriginal peoples, including the history and legacy of residential schools, the *United Nations Declaration on the Rights of Indigenous Peoples*, Treaties and Aboriginal rights, Indigenous law, and Aboriginal-Crown relations. This will require skills-based training in intercultural competency, conflict resolution, human rights, and anti-racism.

2. Adoption of Agenda

Agenda was moved by Cathy Little and seconded by Dwight Burley and Carried.

3. Review and Approval of Minutes – June 25, 2021

Minutes were reviewed. Moved by Dwight Burley and seconded by Cathy Little and Carried.

4. Action Items from June 25th Meeting

- i. Members were asked if they had any questions regarding the Declaration or the Call-to-Action documents.

Tim had highlighted and provided comments on some items that he believed GSCA could move on immediately. The committee discussed those items highlighted. Jake asked that items # 45 to 47 also be included in some manner, recognizing their large and overwhelming scope, as they speak to extremely important and pivotal actions. Tim will consolidate the discussion into a formal report for the Board of Directors.

It was asked if there has been any follow up on the invitation to take a walk with Miptoon Chegahno, and if this could be done before finalizing a report to the Board. Tim stated that he has been trying to reach out and has been unsuccessful so far.

Dismay and frustration were expressed with regard to conflicting priorities taking time away from focusing on the major issues and moving forward on them. A desire to have training incorporated at the municipal level was expressed. Members discussed the possibility of partnering with local municipalities to lower training costs. Jake cautioned that small group training provides an intimate learning experience that is in keeping with the subject matter.

ii. Giiwe Recommendations

Tim asked if committee members had any ideas on the Giiwe recommendations. Tim had highlighted some items that GSCA has already incorporated and some that could be moved forward easily.

A sacred medicines garden (# 8) was suggested and could be incorporated into the Inglis Falls management plan.

iii. City of Hamilton's Urban Indigenous Strategy

Tim expressed that this is where he would like GSCA to get to. It was noted that getting a formal report in front of the Board would be the first step.

5. New Business

i. Review of potential changes to the organizational Land Acknowledgement

Tim presented two options for updating the GSCA Land Acknowledgement. The first was a rewording of the current statement and the second was provided by Member Dwight Burley from the Township of Georgian Bluffs. Dwight mentioned that the statement from the Township was newly created and could be used by GSCA as well.

Tim recommended using the statement from the Township, however; suggested omitting the reference to the Inuit community as they do not have history in this region. The committee agreed and a report to the GSCA Full Authority Board of Directors will be presented at October's meeting.

- ii. Inviting representation from Saugeen, Neyaashiinigmiing, and/or MNO to future committee meetings – Discussion.

Tim asked for feedback from the committee with regard to extending an invitation to join the committee or attend meetings. It was noted that, based on discussions with SON, that their staff appear to be very busy and under resourced to accommodate all of the requests of this nature that they receive. GSCA may want to consider discussing any special arrangements that would make it easier for indigenous members to participate. It was suggested that the committee may look into hosting meetings in other locations, such as outdoors when the season and weather permits, or at a local Indigenous community centre.

- iii. Shared Path Consultation Initiative – Jake

Jake explained about what the Shared Path Consultation Initiative is and how it was started. This is a membership based charitable organization that provides educational resources and support around land use planning and Aboriginal and Treaty Rights. It was noted that there are no other CAs that have engaged with the organization and that the director is excited about the possibility of working with GSCA. Of special interest was concept of watershed boundaries versus the “box-like” boundaries of municipalities. It was suggested that having the director attend a committee meeting or facilitate a session would be a good first step.

- iv. Moving Forward: Recommended actions for GSCA for the National Day of Truth and Reconciliation

- a. GSCA Holiday

Tim explained the specifics around this federal holiday as it was a little confusing when released. This is a federal holiday and so not a statutory holiday, similar to the Nov. 11th Remembrance Day. Most CAs did not recognize the day as a “Day Off” but rather an opportunity to raise awareness.

GSCA encouraged staff to participate in local events and learning opportunities and offered staff up to 1.5 hours to attend one or more events.

6. Next Meeting

To be held in late November or early December.

7. Adjourn

MINUTES

Indigenous and GSCA Relationships Committee
Monday, November 29, 2021, at 3:00 p.m.

Invitees Present: Dwight Burley, Cathy Moore Coburn, Paul McKenzie, Vicki Rowsell, Tim Lanthier, Serenity Morton, Jake Bousfield-Bastedo, Rebecca Ferguson, Valerie Coleman

Guests: NA

Regrets: Cathy Little

Chair: Dwight Burley

1. Welcome and Indigenous Lands Acknowledgment
Member Dwight Burley read the Land Acknowledgement and welcomed everyone to the meeting.
2. Adoption of Agenda
Agenda was moved by Cathy Moore Coburn and seconded by Paul McKenzie and Carried.
3. Review and Approval of Minutes – September 29, 2021
Minutes were reviewed. Moved by Cathy Moore Coburn and seconded by Tim Lanthier and Carried.
4. New Business
 - i. Staff Report on Truth and Reconciliation Commission of Canada: Calls to Action: GSCA Proposed Actions
Tim spoke to the report presented to the committee regarding items that GSCA could move forward on. Tim noted that the report would be brought to the staff for comment and then to the Board of Directors for approval. Tim stated that the goal is to improve GSCA's relationships with its Indigenous community members.
Tim went through Calls to Action (CTA) 12, 14, 44, 57, 63, 79, 80, 83 and 92.

CTA # 12: Tim noted that the GSCA could seek to answer this call to action through GSCA's environmental education and day camp programming.

A member asked how GSCA would engage with those Indigenous persons not living on reserve lands? Tim cited the M'Wikwedong Indigenous Friendship Centre and the Healthy Communities Partnership as two possible resources.

CTA #14: GSCA could include aboriginal language on GSCA signage, such as interpretive signs. Additionally, GSCA could explore name changes for certain conservation areas. Noted as a possible candidate is the Indian Falls property. Tim explained that the 1992 Interpretive Strategy for this property noted that the Nawash name for this waterfall is O-kok-wejiwong, Drum Falls.

A member did caution that the committee should not make assumptions about what Indigenous communities want or not want. GSCA staff will connect with local indigenous communities for feedback and input.

CTA #44: GSCA could work towards the development of its own action plan that would inform the actions and decisions of the organization, similar to the Urban Indigenous Strategy completed in the City of Hamilton.

CTA #57 references training. GSCA could commit funding towards education programming for all staff, such as the Indigenous Canada course or Cultural Safety Training.

CTA #80: GSCA recognized the National Day for Truth and Reconciliation on September 30th by providing informational and educational materials to all staff and allowed staff to take up to 1.5 hours during the workday to participate in one or more Truth and Reconciliation events occurring locally. Tim has recommended that this practice continue forward, rather than seeking to include this day in GSCA "stat" holidays to encourage staff to reflect on the issues of truth and reconciliation.

CTA #83: Several ideas were discussed regarding Indigenous and non-Indigenous art projects. Displaying local art, selling local art, commissioning local artists to create outdoor art installations were all noted. Rebecca Ferguson presented the committee

with photos of signage at Pukaskwa National Park that displayed Indigenous grandfather teachings (in multiple languages) and art. It was suggested that something like these could be installed at one or more of GSCA's properties if this was sought or desired by local indigenous peoples or communities.

CTA #92: It was mentioned that GSCA needs to determine the best way to effectively engage with local indigenous communities in a way that meets their needs.

Next steps: Tim will present the report to staff for comment, bring it back to the committee, and then it will go to the Board for discussion and approval.

A member cautioned that working with local Indigenous groups can take time, they are very busy and short staffed, and to be careful when setting timelines.

Tim will investigate inviting one or more indigenous individuals to join this committee.

The committee would need to amend the Terms of Reference and create a framework for considering additions to the committee.

5. Adjourn



MEDIA RELEASES AND ARTICLES

ATTACHMENT #5

Blackburn News

December 10, 2021

“Conservation Authorities issue flood outlook safety messages across Midwestern Ontario”

[BlackburnNews.com - Conservation Authorities issue flood outlook safety messages across Midwestern Ontario](#)

The Owen Sound Sun Times

November 29, 2021

“Grey Sauble pays tribute to one of its founders”

[Grey Sauble pays tribute to one of its founders | Owen Sound Sun Times](#)

Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-146

MOVED BY: _____

SECONDED BY: _____

THAT in consideration of the Consent Agenda Items listed on the December 22, 2021, agenda, the Grey Sauble Conservation Authority Board of Directors receives the following items: (i) Environmental Planning – Section 28 Permits – November 2021; (ii) Administration – Receipts & Expenses – November 2021; (v) Minutes – GSCA Indigenous Committee Minutes; (vi) Recent Media Articles



STAFF REPORT

Report To: Board of Directors
Report From: Alison Armstrong
Meeting Date: December 22, 2021
Report Code: 060-2021
Subject: Reserve Investment – Options for gains and cash holdings

Recommendation:

WHEREAS, GSCA has reserve funds invested with TD Wealth having a market value of \$1,580,426 and on deposit with BMO in the amount of \$548,946;

AND WHEREAS, the current investment policy may carry a higher risk than current Board and market conditions warrant;

AND FURTHER WHEREAS, GSCA has considerable cash in a bank account earning a comparable rate to any alternatives recommended;

THAT, the GSCA Board of Directors direct the CAO and Manager of Financial Services to complete a new questionnaire for our TD portfolio strategy when we are better able to determine our future capital spending requirements and leave the funds on deposit with BMO until our cash requirements are determined.

Strategic Initiative:

This report supports GSCA's Enhance Land Management strategic initiative, as well as supporting GSCA's overall financial position.

Background:

Prior to 2015, GSCA reserve funds were on deposit with BMO in a treasury account paying prime less 1.9% interest. Interest earned on this account in 2014 was \$16,878 or 0.94%.

Subject: Reserve Investment – Options for gains and cash holdings

Report No: 061-2021

Date: December 22, 2021

In 2014 an RFP was drafted for an Investment Strategy/Policy. TD Wealth was the successful respondent. A questionnaire was completed representing current Board risk tolerance, investment objectives and assumptions on future cash requirements for our investment of \$1,000,000, resulting in our current Investment Strategy. The primary goal of the portfolio is to preserve capital defined as “preserving the purchasing power of the capital and income from eroding effects of inflation over the long term” and “to generate long-term growth, in order to fund future capital assets replacement, expansion projects” and to support ongoing cashflow requirements.

GSCA retained \$550,000 of our reserves in our BMO reserve account. Interest on these funds fluctuates with the prime interest rate. Periodically, other financial instruments have been researched for a higher rate of return, including GICs and term deposits.

Analysis:

Staff have looked at the current cash balance in our Investment Portfolio \$11,100 and inquired on the rate of interest (minimal 0.05%). Current rate of interest on our bank account is 0.55%. It was also communicated that an investment savings account, paying 0.35% is available through TD Wealth and excluded from management fees.

A comparison was made at the five major banks and Meridian Credit Union on financial instrument availability and rate of return. Cashable GICs (cashable after 30 days), had an interest rate range of 0.20% - 1.10% on a one-year term. Rates increased with the length of investment. Non-cashable GICs, while more widely available, had lower rates, with the exception of Meridian. On a one-year term interest rates ranged from 0.20% - 1.40%.

Information was also obtained on longer term GICs. Rates varied from 2.5% on a three year non-cashable to 4.5% for a six year. A fully redeemable mutual fund is showing a 4.3% rate of return for this year. This is at BMO and was received in response to alternatives to leaving the funds on deposit.

When the question was posed of investing gains on equity instruments in something other than equities (more secure), our Portfolio Manager indicated changing the strategy was not recommended without completing a new questionnaire to determine if the current strategy is still relevant. Fixed income investments tend to not perform well in a market where interest rates are rising. It is expected that interest rates will rise in early to mid-2022.

It was also conveyed that one of the questions in the questionnaire involves determining if there is material cash needed in the next 12-24 months. While we anticipate a need, we do not know what the amount will be.

Subject: Reserve Investment – Options for gains and cash holdings

Report No: 061-2021

Date: December 22, 2021

Financial/Budget Implications:

The financial implications will be largely dependent on market conditions and future spending. GSCA currently does not include interest or market gains on reserve funds in our budget.

Communication Strategy:

N/A

Consultation:

Grey Sauble Staff have reached out to our TD Portfolio Manager, BMO Relationship Manager and Financial Planning personnel, GSCA CAO, SVCA Accounting staff, bank and credit union online resources.

Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-147

MOVED BY: _____

SECONDED BY: _____

WHEREAS, GSCA has reserve funds invested with TD Wealth having a market value of \$1,580,426 and on deposit with BMO in the amount of \$548,946;

AND WHEREAS, the current investment policy may carry a higher risk than current Board and market conditions warrant;

AND FURTHER WHEREAS, GSCA has considerable cash in a bank account earning a comparable rate to any alternatives recommended;

THAT, the GSCA Board of Directors direct the CAO and Manager of Financial Services to complete a new questionnaire for our TD portfolio strategy when we are better able to determine our future capital spending requirements and leave the funds on deposit with BMO until our cash requirements are determined.



STAFF REPORT

Report To: Board of Directors
Report From: Tim Lanthier, CAO
Meeting Date: December 22, 2021
Report Code: 061-2021
Subject: GSCA Transition Plan – per Ontario Regulation 687/21

Recommendation:

WHEREAS on October 4, 2021, the Province of Ontario released Ontario Regulation 687/21 – Transition Plans and Agreements for Programs and Services Under Section 21.1.2 of the Act,

AND WHEREAS this regulation requires that, by December 31, 2021, conservation authorities develop a transition plan that includes a timeline for the authority to meet the requirements for the first and second phases of the transition period,

THAT the GSCA Board of Directors endorse the attached “Grey Sauble Conservation Authority Transition Plan” as presented,

AND THAT the CAO be directed to forward a copy of this transition plan to each of GSCA’s participating municipalities and to the Ministry of the Environment, Conservation and Parks (MECP), as per the requirements of the regulation.

Strategic Initiative:

This item is related to all of GSCA’s Strategic Initiatives and overall operations.

Background:

Over the last two years, the Provincial government has been working towards revisions of the Conservation Authorities Act. In early 2021, the Province released the Regulatory Proposal Consultation Guide, Phase 1, to receive feedback and comments. This Consultation Guide provided preliminary details on mandatory versus non-mandatory programs and provided more details on the required transition plans. Based on this Consultation Guide, staff prepared a Draft Transition Plan for review by the Board and to facilitate discussions with municipal staff.

On October 4, 2021, the Province released *Ontario Regulation 687/21: Transition Plans and Agreements for Programs and Services Under Section 21.1.2 of the Act*. This regulation defined the Transition Period and the deliverables due throughout that period. Also identified what was the specific requirements for the Transition Plan. These transition plans need to be submitted to the Province by December 31, 2021. The agreements for non-mandatory programs and services need to be established by December 31, 2023.

As outlined in Ontario Regulation 687/21, the Transition Plan is to include a work plan and timeline outlining the steps a conservation authority plans to take to develop and enter into agreements with its participating municipalities. The Transition Plan is to include the consultation process with participating municipalities on the inventory of all the Authority's programs and services and the steps to be taken to enter into agreements where municipal levy is required to fund non-mandatory programs and services.

The attached Transition Plan provides an overview of the Transition Period, the deliverables, the deadlines for those deliverables and GSCA's proposed workplan to achieve these goals.

Financial/Budget Implications:

There are no immediate financial implications associated with the new regulations or the Transition Plan document. As part of the second part of Phase 1, GSCA will be developing an Inventory of Programs and Services that will include anticipated/estimated costing. This will be completed in time for a February 28, 2022 submission to the MECP.

Communication Strategy:

GSCA will provide a copy of this Transition Plan to all participating municipalities, both Counties, and the MECP. Additionally, this Plan will be posted to GSCA's website for access by the public. GSCA will also include a post on our social media platforms.

Consultation:

The CAO has been in consultation with GSCA Staff, Conservation Ontario, Ontario's other Conservation Authorities, and municipal staff. Ongoing consultation will continue to include staff and Councils from member and county municipalities, as well as the Ministry of the Environment, Conservation and Parks.



Grey Sauble Conservation Authority Transition Plan

Conservation Authority Act Amendments Mandatory and Non-Mandatory Programs and Services and Functional Workplan

December 2021



PROTECT. RESPECT. CONNECT.

237897 Inglis Falls Road, Owen Sound ON, N4K 5N6

519-376-3076

www.greysauble.on.ca

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GSCA Transition Plan: Conservation Authorities Act Changes

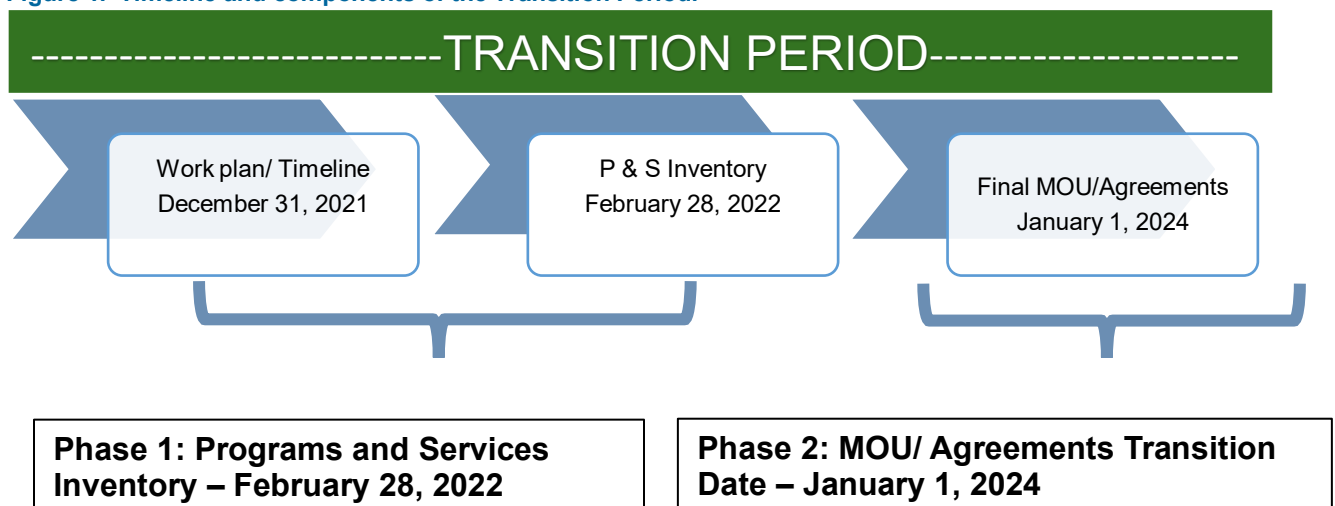
Transition Period

The purpose of the transition period is to prepare conservation authorities and municipalities for the change to the budgeting process based on the delivery of mandatory and non-mandatory programs and services by January 1, 2024. This Transition Plan will lay out the two phases of the Transition Period and will establish a rough timeline for the carrying out of these activities.

There are two phases to the Transition Period (Figure 1). The first phase requires the development of this Transition Plan which consists of a workplan/timeline, as well as the development of an inventory of programs and services. The Transition Plan portion is required to be submitted to the Ministry of Environment, Conservation and Parks (MECP) and to be made available to the public by December 31, 2021. The associated inventory of programs and services must be provided to the MECP no later than February 28, 2022.

The second phase of the Transition Period includes developing and finalizing the conservation authority/municipal agreements in accordance with any regulations governing municipal programs and services. These agreements must be complete and in place by the transition date of January 1, 2024.

Figure 1. Timeline and components of the Transition Period.



Legislative Requirements for the Transition Plan

The applicable legislative requirements for the Transition Plan are shown in Table 1 below.

Table 1: Requirements for a Transition Plan (see 21.1.4 (2)) of the *Conservation Authorities Act* and Corresponding Sections in this Guidance document

Prescribed Dates	Key Deliverables
December 31, 2021	Transition Plan
February 28, 2022	Inventory of Programs and Services
July 1, 2022 - October 1, 2023	Quarterly Progress Reports: Status of Inventory and Agreement Negotiations
October 1, 2023	Request for Extension Deadline
January 1, 2024	Transition Date: All required MOU's/Agreements to be implemented
January 31, 2024	Final Report: Final Inventory and Statement of Compliance Re: Agreements
December 31, 2024	Mandatory Programs and Services Deliverables to be completed

Workplan/Timeline and Consultations

Background

As outlined in Ontario Regulation 687/21: Transition Plans and Agreements for Programs and Services Under Section 21.1.2 of the Act, the Transition Plan is to include a work plan and timeline outlining the steps a conservation authority plans to take to develop and enter into agreements with its participating municipalities. The Transition Plan is to include the consultation process with participating municipalities on the inventory of all the Authority's programs and services and the steps to be taken to enter into agreements where municipal levy is required to fund non-mandatory programs and services. See Figure 2 for further details.

Figure 2: Description of CA Programs and Service Categories as per MECP (for inventory)

1. **Mandatory programs and services:** municipal levy can be used without any agreement
2. **Municipal programs and services:** non-mandatory programs and services at the request of a municipality, with municipal funding provided through a MOU/agreement.
3. **Other programs and services:** non-mandatory programs and services an authority determines are advisable. Use of municipal levy for these programs requires a MOU/agreement with participating municipalities.

The workplan/timeline and inventory of programs and services will support 2024 budget discussions including the newly proposed categorization of CA programs and services as 1, 2, or 3 and with specification of the funding mechanism as per Figure 2. It should be recognized that some municipal partners may have an overlap of more than one conservation authority's jurisdiction within their municipal boundaries.

Although each conservation authority has its own budget processes and timelines, we will make efforts to coordinate with neighbouring conservation authorities that share a municipality.

Gantt Chart Timeline

Grey Sauble Conservation Authority has prepared a Gantt Chart to outline the proposed timelines associated with Phases 1 and 2 of the Transition Period. These are shown below in Tables 2, 3 and 4.

Year	Task	January	February	March	April	May	June	July	August	September	October	November	December
Phase 1: 2021	Arrange Preliminary Visits to municipal councils												
	Attend municipal councils to discuss timelines from Consultation Guide												
	Develop Transition Plan Timeline												
	Draft Inventory Programs and Services												
	Assign FTE's to Programs and Services (Internal)												
	Establish/Confirm municipal staff leads/contacts												
	Determine anticipated funding sources for each P&S												
	Provide GSCA Board with list of P&S and Gantt Chart for circulation approval												
	Circulate workplan, Gantt Chart and draft inventory to municipal partners												
	Meetings with municipal staff leads/contacts												
	Follow up meetings with municipal staff (if necessary)												
	Follow up meetings with municipal councils (if requested)												
	Deadline for receiving comments on workplan, timeline and/or P&S inventory												
	Final Transition Plan timeline approved by GSCA Board of Directors												
	Submit Transition Plan timeline to MECP												
	Transition Plan timeline made available to the public												

Table 2: 2021 Workplan Timeline

Year	Task	January	February	March	April	May	June	July	August	September	October	November	December
Phase 1: 2022	Prepare a revised draft Programs and Services Inventory												
	Classify Programs and Services as Category 1, 2 or 3												
	Assign costs to Programs and Services												
	Consult with Board of Directors on Programs and Services Inventory												
	Circulate Programs and Services Inventory to Municipalities												
	Seek final approval of Programs and Services Inventory from Board of Directors												
	Submit Inventory of Programs and Services to MECP												
Phase 2: 2022	Consult with municipal staff on programs and services												
	Support municipal staff at municipal council meetings to discuss programs and services												
	Update programs and services inventory as necessary based on consultation												
	Review and prepare amendments to existing 'Category 2' agreements as necessary												
	Prepared internal drafts of MOUs/Agreements for 'Category 3' programs and services												
	Bring final draft of programs and services back to Board of Directors												
	Update programs and services inventory as necessary based on Board feedback												
	Submit first quarterly report to MECP												
	Consult with municipal staff on draft agreements												
	Bring first draft agreements to GSCA Board of Directors for initial review and comment												
	Submit second quarterly report to MECP												
	Update draft agreements as necessary based on Board feedback												
	Submit third quarterly report to MECP												

Table 3: 2022 Workplan Timeline

Year	Task	January	February	March	April	May	June	July	August	September	October	November	December
Phase 2: 2023	Support municipal staff at municipal council meetings to discuss draft agreements												
	Submit fourth quarterly report to MECP												
	Finalize agreements for Board of Directors' approval												
	GSCA Board of Directors' resolution to execute agreements												
	Execute final MOUs/Agreements												
	Submit fifth quarterly report to MECP												
	Consult with municipal staff on draft 2024 budget												
	Consult with Board of Directors on draft 2024 budget based on municipal discussions												
	Submit sixth quarterly report to MECP												
	Deadline to request an extension to timeline												
	Finalize draft budget for Board of Directors' approval to circulate												
	Circulate draft budget to municipal partners												
	Attend municipal Council meetings as requested to discuss the draft budget												
	GSCA Board of Directors' resolution to approve the 2024 budget												
	Submit Inventory of Programs and services and copies of signed MOUs/Agreements to participating municipalities												
	Submit Inventory of Programs and services and copies of signed MOUs/Agreements to MECP												
	Posting of final MOUs/Agreements on GSCA website												

Table 4: 2023 Workplan Timeline

Note: Red lines within the Tables 1, 2 and 3 represent the deadlines identified in Table 1.

Transition Period Timeline – June 2021 – January 2024

Phase 1: Transition Plan and Inventory of Programs and Services

Second Quarter, 2021 (April – June)

1. Meet with municipal councils to provide initial information on the changes to the Act, the regulatory consultation guide, and to explain the general process.

Third Quarter, 2021 (July – September)

1. Develop draft workplan/timeline for developing inventory and reaching agreements (Transition Period).
2. Develop draft programs/services inventory, including identification of mandatory versus non-mandatory status and proposed funding sources.
3. Seek preliminary approval from GSCA Board of Directors on Draft workplan and programs/services inventory.
4. Determine municipal staff leads and arrange meetings to discuss the programs, the process and the next steps.

Fourth Quarter, 2021 (October – December)

1. Circulate workplan/timeline and programs and services inventory to municipalities.
2. Meet with municipal staff to discuss changes, transition period and to determine initial steps necessary to draft and execute agreements (eg: internal review; legal review; Council meeting dates; etc).
3. Attend council meetings if/as requested.
4. Receive final comments back from municipal staff, if any, on timeline.
5. Seek final approval of the Transition Plan from GSCA Board of Directors.
6. Submit Transition Plan to MECP.
7. Post Transition Plan on GSCA's public facing website.

First Quarter, 2022 (January – March)

1. Prepare revised draft of Programs and Services Inventory. This inventory will include:
 - a. A list of all of the programs and services that GSCA is providing as of February 28, 2022, and any programs and services GSCA intends to provide after February 28, 2022,
 - b. An estimate of the annual cost of providing the program or service, the sources of funding, and the percentage of the total that each source of funding accounts for.

- c. Classification of each program or service as Category 1, 2 or 3.
2. Consult with the GSCA Board of Directors on the list of programs and services.
3. Circulate the programs and services inventory to municipalities.
4. Seek final approval of the inventory of programs and services from GSCA Board of Directors.
5. Submit Inventory of Programs and Services to MECP.

Phase 2: MOUs/Agreements

Second Quarter, 2022 (April – June)

1. Consult with municipal staff on programs and services inventory, including discussions about service provision.
2. Attend municipal council meetings to support municipal staff reports.
3. Update programs and services as necessary based on consultations.
4. Prepare amendments and internal drafts of existing municipal service agreements, consistent with the requirements for non-mandatory municipal services (Category 2 programs and services).
5. Prepare internal drafts of MOUs/Agreements for non-mandatory other programs and services that require levy dollars (Category 3 programs and services).
6. Bring final draft of programs and services inventory back to GSCA Board of Directors.
7. Update programs and services inventory based on GSCA Board of Directors feedback.
8. Submit first quarterly report to MECP.

Third Quarter, 2022 (July – September)

1. Consultation with municipal staff on draft agreements.
2. Bring first draft of agreements to GSCA Board for comment.
3. Update draft agreements as necessary based on GSCA Board feedback
4. Submit second quarterly report to MECP.

Fourth Quarter, 2022 (October – December)

1. Submit third quarterly report to MECP.

First Quarter, 2023 (January – March)

1. Attend municipal council meetings to support municipal staff reports on draft agreements.
2. Submit fourth quarterly report to MECP

Second Quarter, 2023 (April – June)

1. Finalize agreements for Board of Directors' approval.
2. Commence with execution of final MOUs/Agreements.

3. Submit fifth quarterly report to MECP.

Third Quarter, 2023 (July – September)

1. Finalize execution of final MOUs/Agreements.
2. Consultation with municipal partners on draft 2024 budget.
3. Consult with Board of Directors on draft 2024 budget based on municipal discussions.
4. Submit sixth quarterly report to MECP.

**OCTOBER 1, 2023 – DEADLINE FOR REQUESTS FOR EXTENSIONS TO
MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS**

Fourth Quarter, 2023 (October – December)

1. Finalize draft budget for Board of Directors' approval to circulate.
2. Circulate draft budget to municipal partners for 30-day review period.
3. Attend municipal council meetings as requested to discuss the budget, the agreements, and GSCA's programs and services.
4. GSCA Board of Directors resolution to approve the 2024 Budget.
5. Submit inventory of programs and services and copies of signed MOUs/Agreements to participating municipalities.
6. Submit inventory of programs and services and copies of signed MOUs/Agreements to MECP.
7. Posting of final MOUs/agreements on CA website.

January 1, 2024 – Transition Period ends

All required conservation authority/municipal MOUs/agreements need to be in place, and the transition to the new funding model is reflected in the 2023 budget in compliance with the new legislation.

Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-148

MOVED BY: _____

SECONDED BY: _____

WHEREAS on October 4, 2021, the Province of Ontario released Ontario Regulation 687/21 – Transition Plans and Agreements for Programs and Services Under Section 21.1.2 of the Act,

AND WHEREAS this regulation requires that, by December 31, 2021, conservation authorities develop a transition plan that includes a timeline for the authority to meet the requirements for the first and second phases of the transition period,

THAT the GSCA Board of Directors endorse the attached “Grey Sauble Conservation Authority Transition Plan” as presented,

AND THAT the CAO be directed to forward a copy of this transition plan to each of GSCA’s participating municipalities and to the Ministry of the Environment, Conservation and Parks (MECP), as per the requirements of the regulation.

Grey Sauble Authority Board of Directors

M O T I O N

DATE: **December 22, 2021**

MOTION #: **FA-21-149**

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors approve the 2022 BOD's meeting dates as follows:

January 26th (AGM); February 23rd; March 23rd; April 27th; May 25th; June 22nd; July 27th (optional); August 24th; September 28th; October 26th; November 23rd; and December 21st.

GREY SAUBLE CONSERVATION AUTHORITY 2022 DRAFT BUDGET

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
WATER MANAGEMENT					WATER MANAGEMENT				
Flood Forecasting & Warning					Flood Forecasting & Warning				
Salary, wages & benefits	96,729	102,160	119,199	127,017	Municipal Levy	80,738	82,238	102,999	107,984
Contracts & Services	5,500	3,745	5,200	5,160	CAA S39	29,492	29,520	29,400	29,400
Vehicles & Equipment	4,000	3,137	4,000	4,000	MECP (DWSP)				
Materials & Supplies	3,000	2,716	3,000	3,000	Agreements, MOUs and Grants				
Training & Workshops	1,000		1,000	1,000	Services & Sales				
To Deferred Revenue				From Deferred Revenue				2,794	
Total Flood Forecasting & Warning	110,229	111,758	132,399	140,177	Total Flood Forecasting & Warning	110,229	111,758	132,399	140,177
Flood Control Structures					Flood Control Structures				
Salary, wages & benefits	1,437	2,446	1,500	1,500	Municipal Levy	5,467	4,293	5,707	5,707
Contracts & Services	2,500	1,515	2,500	2,500	CAA S39	1,820	1,828	1,643	1,643
Vehicles & Equipment	350	460	350	350	MECP (DWSP)				
Materials & Supplies	1,200		1,200	1,200	Agreements, MOUs and Grants				
Other	1,800	1,700	1,800	1,800	Interest & Gains				
Total Flood Control Structures	7,287	6,121	7,350	7,350	Total Flood Control Structures	7,287	6,121	7,350	7,350
Erosion Control Structures					Erosion Control Structures				
Salary, wages & benefits	800	1,123	800	800	Municipal Levy	1,100	964	1,100	1,100
Contracts & Services					CAA S39	1,000	964	1,000	1,000
Vehicles & Equipment	300	77	300	300	MECP (DWSP)				
Materials & Supplies	1,000	727	1,000	1,000	Agreements, MOUs and Grants				
Total Erosion Control Structures	2,100	1,927	2,100	2,100	Total Erosion Control Structures	2,100	1,928	2,100	2,100

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
Other Dams					Other Dams				
Salary, wages & benefits	18,043	11,674	18,041	18,000	Municipal Levy	23,043	22,853	18,641	21,100
Contracts & Services	2,000				CAA S39				
Vehicles & Equipment	1,500	1,772	1,600	1,600	MECP (DWSP)				
Materials & Supplies	1,500	1,844	1,500	1,500	Agreements, MOUs and Grants				
To Reserves		5,564			From Reserves or Surplus			2,500	
To Deferred Revenue/Surplus		2,000			From Deferred Revenue				
Total Other Dams	23,043	22,853	21,141	21,100	Total Other Dams	23,043	22,853	21,141	21,100
TOTAL WATER MANAGEMENT	142,660	142,660	162,990	170,727	TOTAL WATER MANAGEMENT	142,660	142,660	162,990	170,727
Watershed Monitoring & Management					Watershed Monitoring & Management				
Salary, wages & benefits	34,755	16,628	17,781	17,528	Municipal Levy	47,205	47,205	35,581	36,928
Contracts & Services	10,000	8,681	13,600	14,000	CAA S39				
Vehicles & Equipment	5,000	1,398	5,000	5,000	MECP (DWSP)				
Materials & Supplies	400		400	400	Agreements, MOUs and Grants		3,788		
Training & Workshops	750	150			Services & Sales				
Donations					Donations	3,700	665		
To Reserves		24,801			From Reserves or Surplus			1,200	
Total Watershed Monitoring & Management	50,905	51,658	36,781	36,928	Total Watershed Monitoring & Management	50,905	51,658	36,781	36,928
Stewardship					Stewardship				
Salary, wages & benefits	33,255	28,488	56,639	58,776	Municipal Levy	34,755	34,755	35,639	35,639
Contracts & Services	1,000		1,000	1,000	CAA S39				
Vehicles & Equipment	5,000	381	3,000	3,000	MECP (DWSP)				
Materials & Supplies	65,000	72,289	31,913		Agreements, MOUs and Grants	70,000	79,098	56,913	
Training & Workshops	500				Services & Sales				
To Reserves		12,695			From Reserves or Surplus				27,137
Total Stewardship	104,755	113,853	92,552	62,776	Total Stewardship	104,755	113,853	92,552	62,776

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
Environmental Planning & Regulations					Environmental Planning & Regulations				
Salary, wages & benefits	390,089	387,552	389,359	397,298	Municipal Levy	83,606	83,606	84,073	86,305
Contracts & Services	1,000	2,950	1,000	2,000	CAA S39	2,993	2,993	2,993	2,993
Vehicles & Equipment	11,000	5,977	10,000	10,000	MECP				
Materials & Supplies	5,000	4,579	4,707	5,000	Agreements, MOUs and Grants				
Training & Workshops	5,000	401			Services & Sales	325,490	323,088	318,000	325,000
To Deferred Revenue/Surplus		8,228			From Deferred Revenue				
Total Environmental Planning & Regulations	412,089	409,687	405,066	414,298	Total Environmental Planning & Regulations	412,089	409,687	405,066	414,298
Forestry, Species & Forestry Services					Forestry, Species & Forestry Services				
Salary, wages & benefits	235,623	238,950	229,122	236,961	Municipal Levy				
Contracts & Services	1,500	6,822	2,250	700	CAA S39				
Vehicles & Equipment	21,000	9,090	24,000	16,000	MECP (DWSP)				
Materials & Supplies	92,500	71,152	99,500	137,900	Agreements, MOUs and Grants	75,000	164,191	166,500	137,625
Training & Workshops	5,000	672			Services & Sales	294,557	152,333	155,000	133,000
Donations	3,000	3,000			Donations	3,000	1,014	5,000	
To Reserves	13,934	579			From Reserves		12,729	28,372	114,989
To Deferred Revenue					From Surplus				5,947
Total Forestry, Species & Forestry Services	372,557	330,266	354,872	391,561	Total Forestry, Species & Forestry Services	372,557	330,267	354,872	391,561

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
CONSERVATION LANDS					CONSERVATION LANDS				
Conservation Lands Policy & Strategy					Conservation Lands Policy & Strategy				
Salary, wages & benefits	103,482	38,747	114,095	117,632	Municipal Levy	132,982	132,982	133,347	137,968
Contracts & Services	3,000	8,420	3,000	30,000	CAA S39				
Vehicles & Equipment	1,500	884	1,500	1,500	MECP (DWSP)				
Materials & Supplies	3,000	532	2,400	771	Agreements, MOUs and Grants				
Training & Workshops	1,000	840	-		Services & Sales	55,000	56,694	64,048	64,488
Other	73,000	73,689	83,000	85,000	Interest & Gains				
To Reserves	5,000	47,564			From Reserves	2,000		6,600	30,000
To Deferred Revenue		19,000			From Surplus			2,448	
Total Conservation Lands Policy & Strategy	189,982	189,676	203,995	234,904	Total Conservation Lands Policy & Strategy	189,982	189,676	203,995	234,904
Grey County Management Contract					Grey County Management Contract				
Salary, wages & benefits	134,516	115,023	160,864	186,395	Municipal Levy				
Vehicles & Equipment	16,500	13,640	13,500	14,500	MECP (DWSP)				
Training & Workshops					Services & Sales	151,016	128,663	174,364	200,895
Total Grey County Management Contract	151,016	128,663	174,364	200,895	Total Grey County Management Contract	151,016	128,663	174,364	200,895
Conservation Lands Operations					Conservation Lands Operations				
Salary, wages & benefits	186,926	184,552	238,152	267,044	Municipal Levy	188,601	188,601	170,082	170,208
Contracts & Services	23,000	21,906	23,000	16,650	CAA S39				
Vehicles & Equipment	21,925	28,921	22,000	22,000	MECP (DWSP)				
Materials & Supplies	15,000	16,587	15,000	23,150	Agreements, MOUs and Grants		14,277		
Training & Workshops	2,000				Services & Sales	60,000	93,769	130,070	137,900
Other					From Surplus				3,073
To Reserves		44,681	59,000	25,000	From Reserves			57,000	42,663
Total Conservation Lands Operations	248,851	296,646	357,152	353,844	Total Conservation Lands Operations	248,851	296,646	357,152	353,844
TOTAL CONSERVATION LANDS	589,849	614,985	735,511	789,642	TOTAL CONSERVATION LANDS	589,849	614,985	735,511	789,642

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
Conservation Information & Community Outreach					Conservation Information & Community Outreach				
Salary, wages & benefits	71,221	71,281	80,306	82,126	Municipal Levy	98,471	90,863	96,356	94,497
Contracts & Services	22,700	13,797	9,700	10,350	CAA S39				
Vehicles & Equipment	500	21	500	500	MECP (DWSP)				
Materials & Supplies	3,050	292	8,250	3,250	Agreements, MOUs and Grants				
Training & Workshops	800	47			Services & Sales				
Donations	200	80	100	100	Donations				
To Reserves		5,346			From Reserves			2,500	
To Deferred Revenue					From Surplus				1,829
Total Conservation Information & Community Outreach	98,471	90,863	98,856	96,326	Total Conservation Information & Community Outreach	98,471	90,863	98,856	96,326
Education			Education						
Salary, wages & benefits	44,993	9,552	38,458	56,530	Municipal Levy	323	7,931		
Contracts & Services	6,500	1,299	5,700	7,528	CAA S39				
Vehicles & Equipment	250		250	250	MECP (DWSP)				
Materials & Supplies	3,800	40	3,400	2,800	Agreements, MOUs and Grants	3,500	7,000		3,000
Training & Workshops	400				Services & Sales	52,120	543	52,290	56,962
To Reserves			4,482		From Reserves		2,418		7,146
To Deferred Revenue		7,000			From Deferred Revenue				
Total Education	55,943	17,892	52,290	67,108	Total Education	55,943	17,892	52,290	67,108
Administration, Finance & Human Resources					Administration, Finance & Human Resources				
Salary, wages & benefits	351,580	345,555	373,280	390,218	Municipal Levy	498,983	488,096	525,679	549,150
Contracts & Services	85,300	52,151	67,024	58,727	CAA S39	2,020	1,750	2,020	2,020
Vehicles & Equipment	1,000	371	1,000	1,000	MECP (DWSP)				
Materials & Supplies	16,800	9,110	12,050	6,500	Agreements, MOUs and Grants		2,666		
Training & Workshops	2,000	5,048	16,000	13,000	Services & Sales	32,177	30,015	36,130	39,959
Donations					Donations	500	2,312	1,600	1,600
Other	94,000	97,388	100,075	129,305	Interest & Gains	2,000	4,291	4,000	2,000
To Reserves		19,507			From Reserves	15,000			
To Deferred Revenue					From Surplus				4,021
Total Administration, Finance & Human Resources	550,680	529,130	569,429	598,750	Total Administration, Finance & Human Resources	550,680	529,130	569,429	598,750

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
GIS, Information Management & Information Technology					GIS, Information Management & Information Technology				
Salary, wages & benefits	201,664	187,506	235,742	253,739	Municipal Levy	185,324	196,211	222,932	268,745
Contracts & Services	26,910	10,114	27,790	17,855	CAA S39				
Vehicles & Equipment	1,200	558	1,000	1,000	MECP (DWSP)				
Materials & Supplies	5,850	3,435	4,900	4,900	Agreements, MOUs and Grants	15,000			
Training & Workshops	3,200	153			Services & Sales	5,500	5,555	3,500	2,000
To Reserves					From Reserves or Surplus	33,000		43,000	
To Deferred Revenue					From Surplus				6,750
Total GIS & Information Management	238,824	201,766	269,432	277,494	Total GIS & Information Management	238,824	201,766	269,432	277,494
Source Water Protection					Source Water Protection				
Salary, wages & benefits	171,019	162,792	162,304	169,160	Municipal Levy				
Contracts & Services	11,292	22,372	15,000	15,000	CAA S39				
Vehicles & Equipment	1,500	136	1,500	1,500	MECP (DWSP)	186,811	203,963	181,804	188,660
Materials & Supplies	3,000	3,742	3,000	3,000	Agreements, MOUs and Grants				
Other					Interest & Gains		1,073		
To Deferred Revenue		15,994			From Deferred Revenue				
Total Source Water Protection	186,811	205,036	181,804	188,660	Total Source Water Protection	186,811	205,036	181,804	188,660
Source Water Risk Management Service					Source Water Risk Management Service				
Salary, wages & benefits	34,084	46,263	51,427	54,460	Municipal Levy				
Contracts & Services	9,000	6,237	6,000	9,000	CAA S39				
Vehicles & Equipment	1,500	36	1,000	1,000	MECP (DWSP)				
Materials & Supplies	2,000	2,057	2,000	2,000	Agreements, MOUs and Grants				
Training & Workshops	1,000		1,000	1,000	Services & Sales	76,679	64,500	50,000	50,200
Other		6,450			Interest & Gains				
To Reserves	29,095	3,457			From Reserves			11,427	17,260
Total Source Water Risk Management Service	76,679	64,500	61,427	67,460	Total Source Water Risk Management Service	76,679	64,500	61,427	67,460

	Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget		Approved 2020 Budget	2020 Actual	Approved 2021 Budget	Draft 2022 Budget
Fleet & Equipment Management					Fleet & Equipment Management				
Salary, wages & benefits	11,072	7,432	8,000	8,504	Municipal Levy				
Contracts & Services	18,500	20,346	19,000	25,000	CAA S39				
Materials & Supplies	30,000	20,445	30,000	30,000	Agreements, MOUs and Grants				
Training & Workshops					Services & Sales	81,375	66,057	90,500	83,500
To Reserves	21,803	17,834	33,500	19,996	From Reserves				
Total Fleet & Equipment Management	81,375	66,057	90,500	83,500	Total Fleet & Equipment Management	81,375	66,057	90,500	83,500
Total Operating Budget	2,961,597	2,838,353	3,111,511	\$3,245,231	Total Operating Budget	2,961,597	2,838,353	3,111,510	3,245,231
Total Operations Budget Expenses					Total Operations Budget Funding				
Salary, wages & benefits	2,121,288	1,957,723	2,295,069	2,443,689	Municipal Levy	1,380,597	1,380,597	1,432,136	1,515,330
Contracts & Services	229,702	180,356	201,764	215,470	CAA S39	37,325	37,055	37,056	37,056
Vehicles & Equipment	94,025	66,859	90,500	83,500	MECP (DWSP)	186,811	203,963	181,804	188,660
Materials & Supplies	252,100	209,546	224,220	226,371	Agreements, MOUs and Grants	163,500	271,020	223,413	140,625
Training & Workshops	22,650	7,311	18,000	15,000	Services & Sales	1,133,914	921,217	1,073,902	1,093,904
Donations	3,200	3,080	100	100	Donations	7,450	3,991	6,600	1,600
Other	168,800	179,228	184,875	216,105	Interest & Gains	2,000	5,364	4,000	2,000
To Reserves	69,832	182,029	96,983	44,996	From Reserves	50,000	15,147	152,599	239,195
To Deferred Revenue/Surplus		52,222			From Surplus			26,861	
Total Operating Budget	2,961,597	2,838,353	3,111,511	3,245,231	Total Operating Budget	2,961,597	2,838,353	3,111,510	3,245,231

GREY SAUBLE CONSERVATION AUTHORITY 2022 PROPOSED CAPITAL BUDGET

EXPENSES

	Draft 2022 Budget
WATER MANAGEMENT	
Flood Forecasting & Warning	
To Reserves	25,000
Clendenan Log replacement Phase 1	
Materials and Supplies	5,000
Jet Winches for Clendenan	
Materials and Supplies	9,000
WATER MANAGEMENT Subtotal	39,000
CONSERVATION LANDS Policy/Operations	
Entrance Signs	
Contracts & Services	4,800
Lake Charles - Washroom Removal	
Contracts & Services	2,000
Feversham Washroom	
Contracts and Services	5,000
Various - Stone Repointing Projects	

FUNDING

	Draft 2022 Budget
WATER MANAGEMENT	
Flood Forecasting & Warning	
Municipal Levy	25,000
Clendenan Log replacement Phase 1	
Reserves	5,000
Jet Winches for Clendenan	
Reserves	9,000
WATER MANAGEMENT Subtotal	39,000
CONSERVATION LANDS Policy/Operations	
Entrance Signs	
Municipal Levy	4,800
Reserves	-
Lake Charles - Washroom Removal	
Municipal Levy	
Sales and Services	
Reserves	2,000
Feversham Washroom	
Municipal Levy	5,000
Various - Stone Repointing Projects	

EXPENSES

	Draft 2022 Budget
Contracts & Services	6,000
CONSERVATION LANDS Subtotal	17,800
Administration, Finance & Human Resources Admin Centre refurbish - Phase 1 & 2	
Contracts & Services	100,000
Admin Centre - Office Furniture	
Materials and Supplies	5,000
Administration, Finance & Human Resources Subtotal	105,000
GIS, Information Management & Information Technology - GPS Units/Tablets	
Materials & Supplies	1,000
GIS, Information Management & Information Technology - Workstations	
Materials & Supplies	9,000
GIS, Information Management & Information Technology - Subtotal	10,000

FUNDING

	Draft 2022 Budget
Reserves	6,000
CONSERVATION LANDS Subtotal	17,800
Administration, Finance & Human Resources Admin Centre refurbish Phase 1 & 2	
Reserves	100,000
Admin Centre - Office Furniture	
Municipal Levy	2,000
Reserves	3,000
Administration, Finance & Human Resources Subtotal	105,000
GIS, Information Management & Information Technology - GPS Units	
From Reserves	
Municipal Levy	1,000
GIS, Information Management & Information Technology - Workstations	
Municipal Levy	4,500
Reserves	4,500
GIS, Information Management & Information Technology - Subtotal	10,000

EXPENSES

	Draft 2022 Budget
Fleet & Equipment Management	
Vehicles & Equipment	35,000
To Lands Operations	
Fleet & Equipment Management Subtotal	35,000
Total Proposed Capital Budget	206,800

	Approved Budget 2021	Draft 2022 Budget
Total Capital Budget		
Salary, wages & benefits		
Contracts & Services	128,600	117,800
Vehicles & Equipment	60,000	35,000
Materials & Supplies	18,500	29,000
Training & Workshops		
Donations		
Other	-	-
To Reserves	25,000	25,000
To Deferred Revenue		
Total Capital Budget	232,100	206,800

FUNDING

	Draft 2022 Budget
Fleet & Equipment Management	
Services & Sales	
From Reserves	35,000
Fleet & Equipment Management Subtotal	35,000
Total Proposed Capital Budget	206,800

	Approved Budget 2021	Draft 2022 Budget
Total Capital Budget		
Municipal Levy	42,300	42,300
CAA S39		
MECP (DWSP)		
Agreements, MOUs and Grants	7,500	-
Services & Sales	-	-
Donations	-	-
Interest & Gains		
From Reserves	182,300	164,500
From Deferred Revenue		
Total Capital Budget	232,100	206,800

LEVY FOR INDIVIDUAL MUNICIPALITIES

	2020 Modified C.V.A. in Watershed	2020 Portion of Watershed	2021 Modified C.V.A. in Watershed	2021 Portion of Watershed	2021 Levy /\$1000 of Mod.CVA	2021 Levy	Proposed 2022 Levy /\$1000 of Mod.CVA	Proposed 2022 Levy	Proposed Levy Increase	% Increase	Quarterly Levy
Arran-Elderslie	400,710,785	0.02740	403,269,641	0.02711	0.10081	40,397.30	0.10471	42,225.64	1,828.34	4.5259%	10,556.41
Blue Mountains	3,959,316,579	0.27072	4,106,572,322	0.27606	0.10081	399,154.94	0.10471	429,991.80	30,836.87	7.7255%	107,497.95
Chatsworth	457,639,550	0.03129	461,673,369	0.03103	0.10081	46,136.52	0.10471	48,340.99	2,204.47	4.7781%	12,085.25
Georgian Bluffs	1,889,905,745	0.12922	1,914,604,760	0.12871	0.10081	190,529.15	0.10471	200,474.82	9,945.68	5.2200%	50,118.71
Grey Highlands	1,235,060,509	0.08445	1,252,204,181	0.08418	0.10081	124,511.51	0.10471	131,116.05	6,604.54	5.3044%	32,779.01
Meaford	2,003,710,120	0.13700	2,024,344,410	0.13608	0.10081	202,002.23	0.10471	211,965.46	9,963.23	4.9322%	52,991.37
Owen Sound	2,660,387,857	0.18190	2,682,873,187	0.18035	0.10081	268,204.61	0.10471	280,918.83	12,714.22	4.7405%	70,229.71
South Bruce Peninsula	2,018,568,370	0.13802	2,030,370,885	0.13649	0.10081	203,500.15	0.10471	212,596.49	9,096.33	4.4699%	53,149.12
	14,625,299,515		14,875,912,755			1,474,436.40		1,557,630.08	83,193.68		

inc in modified CVA 1.714%
C.V.A. = Current Value Assessment

5.64% Overall percentage levy increase



Grey Sauble Authority Board of Directors

MOTION

DATE: December 22, 2021

MOTION #: FA-21-150

MOVED BY: _____

SECONDED BY: _____

WHEREAS the Conservation Authorities Act provides that an Authority shall have the power to determine the portion of total benefit afforded to each municipality in establishing the annual levy, the Grey Sauble Conservation Authority resolves as follows, subject to such regulations under the Act as may be approved by the Lieutenant-Governor-in-Council:

- i) That all participating municipalities be designated as benefiting for all projects included in the 2022 Operating Budget including administration and maintenance and the 2022 Capital Budget unless otherwise specified in the budget;
- ii) That the Authority's share of the cost of the program and projects included in the 2022 Budget shall be raised from all participating municipalities as part of the General Levy, unless otherwise specified in the budget;
- iii) That the 2022 General Levy be apportioned to the participating municipalities in the proportion that the modified current value assessment of the whole is under the jurisdiction of the Authority, unless otherwise provided in the levy or a project;
- iv) That the appropriate Authority officials be directed to advise the participating municipalities pursuant to the Conservation Authorities Act and the regulations made thereunder; to levy the said municipalities the amount of General Levy set forth in the 2022 Operating Budget, to levy the said municipalities the amount of the General Levy set forth in the 2022 Capital Budget and in the approved projects of the Authority, and any special levy attributable to any project which has been deemed to be of specific benefit to any particular municipality.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-151

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority adopt the budget as presented for the year 2022 in the amount of \$3,452,031.00.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-152

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority adopt a matching levy for the year 2022 of \$37,056.00 as required by Ontario Regulations 139/96 and 231/97.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-153

MOVED BY: _____

SECONDED BY: _____

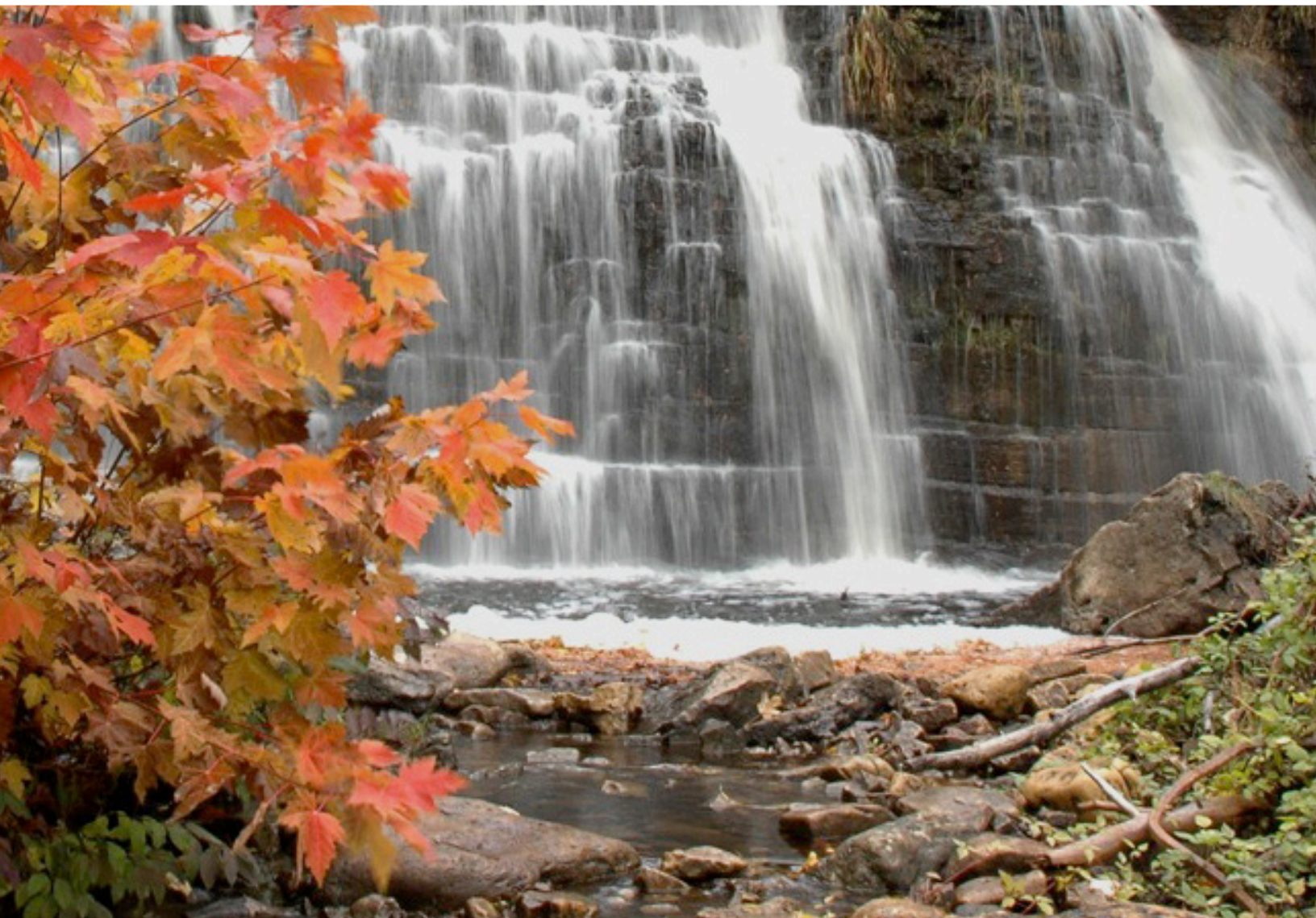
THAT the Grey Sauble Conservation Authority adopt a non-matching levy for the year 2022 of \$1,520,574.08 as required by Ontario Regulations 139/96 and 231/97.



Grey Sauble
CONSERVATION

POTTAWATOMI RIVER

2018 Watershed Health Review





STREAM HEALTH:
GOOD



B

FOREST CONDITIONS:
FAIR



B

WETLAND CONDITIONS:
EXCELLENT



A

GROUNDWATER INFORMATION:
INSUFFICIENT DATA



—

POTTAWATOMI RIVER

Watershed Health Review

8,701ha
WATERSHED AREA



294 ha
GSCA LANDS



8 PRIVATELY OWNED DAMS



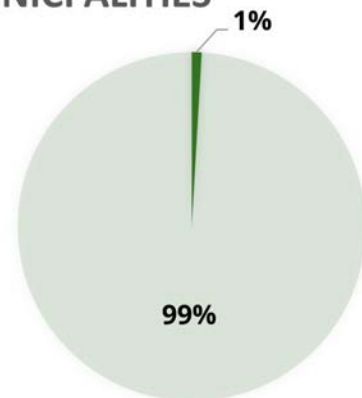
2,193
POPULATION



1 SEWAGE TREATMENT PLANT

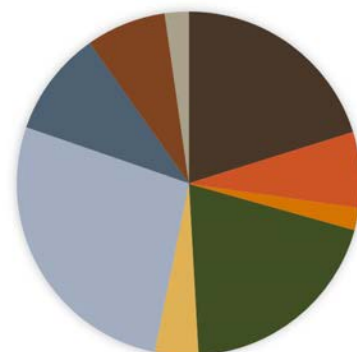
MUNICIPALITIES

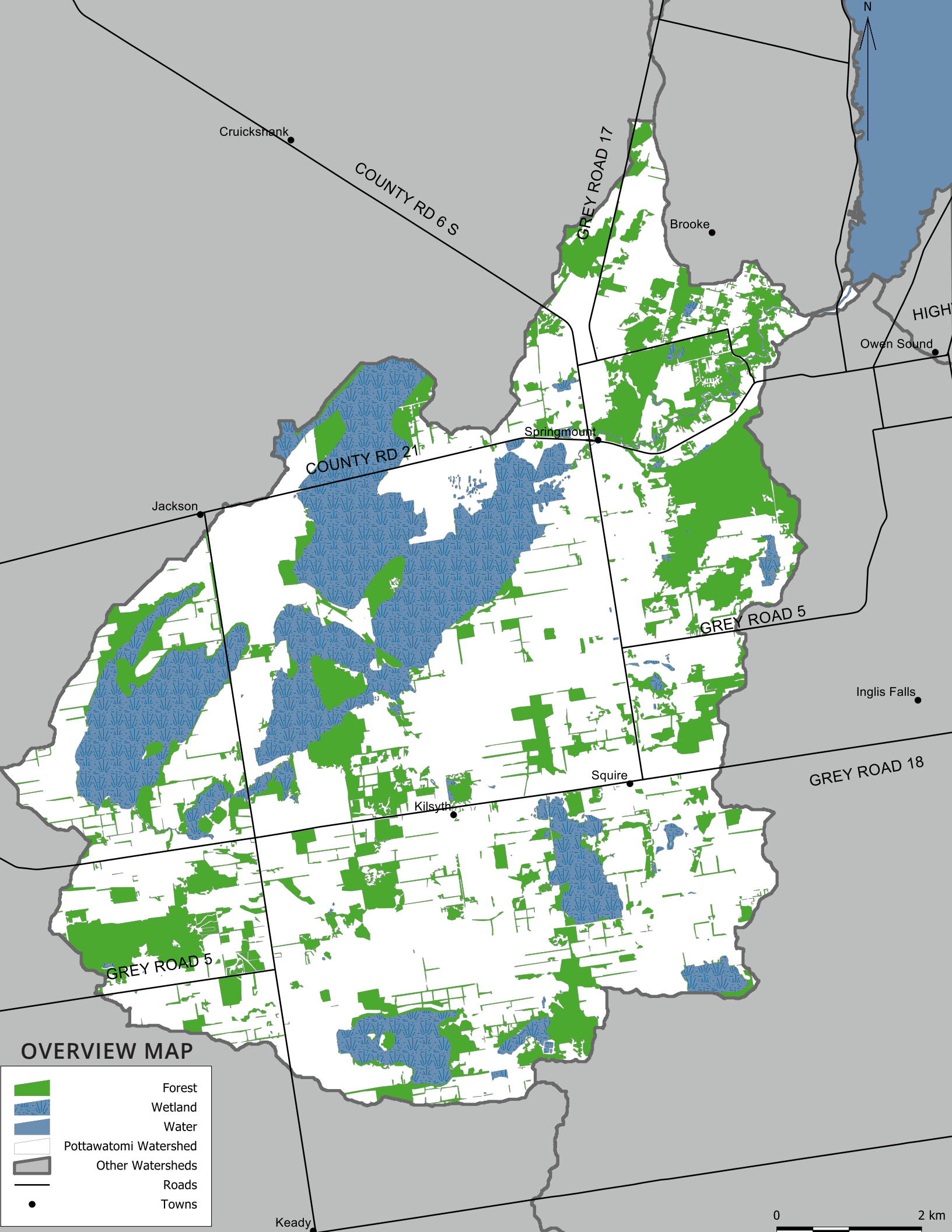
■ City of Owen Sound
■ Township of Georgian Bluffs



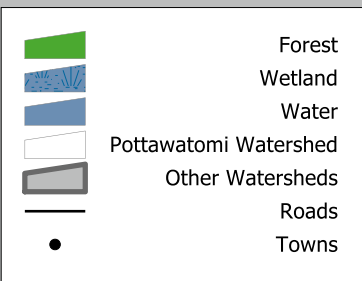
SOILS

■ Silty Clay
■ Clay Loam
■ Fine To Moderately Coarse Sandy Loam
■ Organic
■ Coarse Sandy Loam And Loamy Sand
■ Medium To Moderately Fine Loam
■ Silty Loam
■ Breypen
■ Other





OVERVIEW MAP





B STREAM
HEALTH:
GOOD

TREND:
STABLE



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

STREAM HEALTH

Overall, surface water quality of the Pottawatomoni River received an “B” letter grade, indicating good water quality. There is another water quality monitoring station within this watershed but only the one closest to the outlet is used for scoring. This station is located within Owen Sound at the Henderson Bridge on 14th St. West. Water quality data has been collected at this site since 1970, but only the last 15 years have been reviewed. Total Phosphorus values* have stayed consistent throughout the 15-year monitoring period, with results indicating levels just below the objective of 0.030 mg/l. It is important to continue to monitor this parameter as there is growing concern throughout the Great Lakes Basin over harmful algal blooms which are caused by high phosphorus loading. Agricultural runoff, golf course and residential fertilizers, as well as failing septic systems are all potential point sources that could increase Phosphorus levels. Landowners are urged to continue implementing Best Management Practices (BMP's) to maintain or improve current results.

Fecal bacteria (E. coli) monitoring began in 2011, and since that time values** remain just below the 100-count level. This Provincial target level is used to determine if beaches are safe for swimming. High E. coli counts are common after large rain events when manure from farm fields enters waterways or at sites with high waterfowl numbers.



Benthic invertebrates are small aquatic animals that live on the bottom of streams. These communities are excellent indicators of stream health because they are very sensitive to changes in environmental conditions.

The Family Biotic Index (FBI) was the index used to determine this stream health grade, however GSCA also uses the BioMAP Index, which is a more holistic index for stream health (presented on Page 13 along with more chemistry results). The FBI Index scores the benthic community as an B grade, which is down from the previous "A" grade. Unfortunately, only one sample was used for the past 5-year period. Additional years of sampling may have produced a better average value. The BioMAP Index also scored the last 5 years lower as a "C" which was down from the "B" grade of the previous reports.

The below table shows the results for the three parameters that count towards the report card grade. Sample size is represented by "n".

INDICATORS	2003-2007	2008-2012	2013-2017	GUIDELINE	INDICATOR DESCRIPTION
Total Phosphorus (mg/L)*	0.027 B (n=40)	0.027 B (n=35)	0.026 B (n=40)	0.030 B Aquatic Life	Phosphorus is found in products such as fertilizer and detergents, and contributes to excess algal growth which creates low oxygen in streams and lakes.
Bacteria (# per 100 mL)**	N/A	83.32 B (n=15)	99.19 B (n=40)	100 B Recreation	E.coli is a fecal coliform bacteria found in human and animal waste. It is a strong indicator of the potential to have organisms present that could harm human health.
Benthic Score FBI Index***	N/A	3.67 A (n=3)	4.72 B (n=1)	<5.00 B Target Only	Benthic macroinvertebrates are small aquatic animals that live at the bottom of streams. These organisms are good indicators of water quality and are commonly used to diagnose watershed health.

*75th percentile, MECP PWQMN data. Grades based on Conservation Ontario standards (2017). **Geometric mean, GSCA data. ***Average. Grades based on Conservation Ontario standards (2017).



B **FOREST
CONDITIONS:
EXCELLENT**

**TREND:
NO TREND**



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

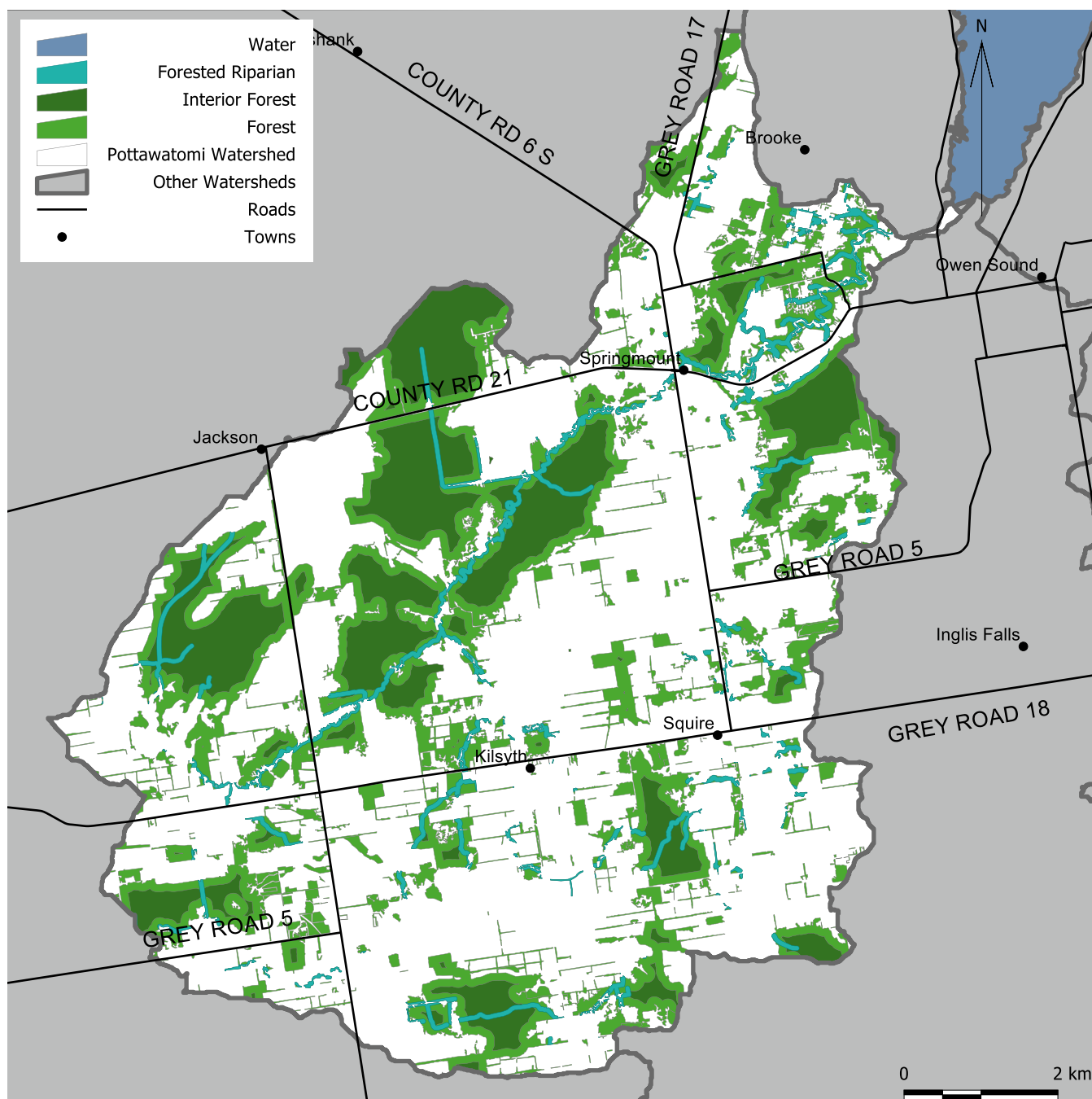
FOREST CONDITIONS

Forest cover was calculated using up-to-date aerial imagery and applying Geographic Information Systems (GIS) mapping and analysis techniques. It takes 20 or more years for trees to become large enough to count towards the watershed report card grades.

This map shows overall forest cover, interior forest, and riparian forests throughout the watershed. There is good forest cover throughout the northern portions of the watershed with much less coverage in the southern half. This is due to the major land use in the southern half of this watershed being agriculture. Tree cover is generally limited to poorly drained swamp areas and areas that are difficult to clear for row crops and livestock pasture. Overall, Forest Cover receives a “B” grade and would score higher if there were more riparian areas with tree cover.

Tree planting is one of the simplest ways to improve all forest cover. Efforts could be made to improve forest connectivity and riparian cover. Currently, Grey Sauble Conservation Authority (GSCA) has planted 16 hectares in this watershed. There are 4 GSCA properties in the Pottawatomi River watershed, totaling 238.59 ha of forest.

Riparian and interior forests provide important habitats and wildlife corridors, making this a key area for conservation efforts and habitat protection. Forests Ontario, Alternative Land Use Services (ALUS) and GSCA have programs that provide subsidies and incentives for landowners to plant more trees. GSCA also assists landowners with the Managed Forest Tax Incentive Program, which allows landowners with 4 hectares to be eligible for a tax break.



INDICATORS	2003-2007	2008-2012*	2013-2017*	ECCC GUIDELINE**	INDICATOR DESCRIPTION
% Forest Cover	37.61 A	35.72 A	34.98 B	30 B	Forest cover is the percentage of the watershed that is forested. Watersheds should contain at least 30% forest cover to sustain native flora and fauna (ECCC, 2013).
% Forest Interior	15.79 A	13 A	12.39 A	10 B	Forest interior is the remaining portion of a woodlot when a 100 metre buffer is removed. Forest interior provides native species with undisturbed habitat.
% Riparian Zone Forested	43.75 C	40.69 C	39.42 C	50 B	Percent riparian zone forested is a measure of the amount of forest cover within a 30 m riparian/buffer zone adjacent to all open watercourses. Riparian zones protect water quality and provide important ecological services, habitat and movement corridors for wildlife.

*Data based on 2015 colour air photography. **ECCC Guideline—Environment Canada guideline based on “How Much Habitat is Enough?” (2013). Grades based on Conservation Ontario standards (2017).



A **WETLAND
CONDITIONS:**
EXCELLENT

TREND:
NO TREND



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

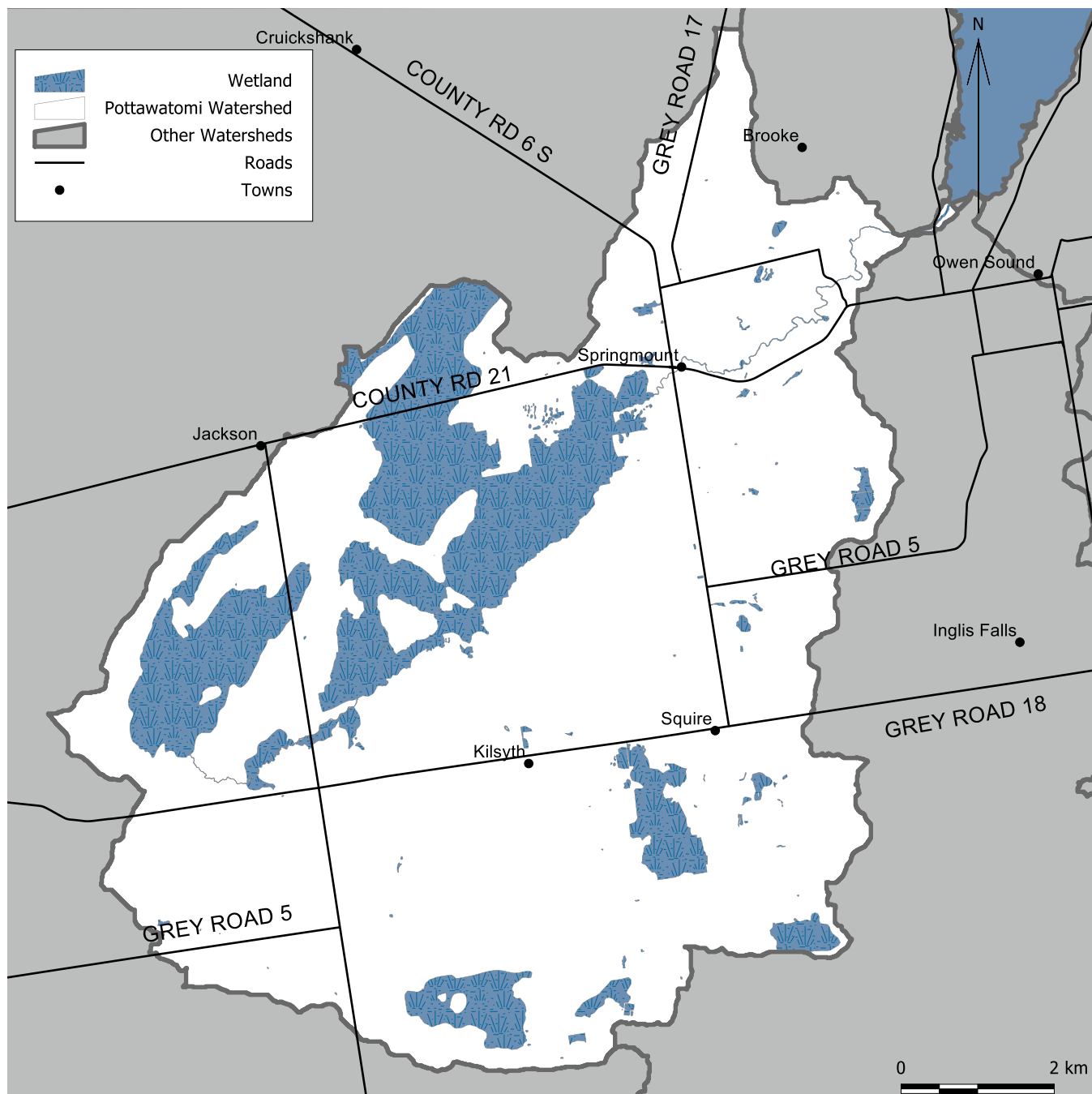
WETLAND CONDITIONS

Wetlands are an important part of ecological function within a watershed. They provide many ecosystem services including: improving water quality by filtering runoff, assisting with flood control by storing water, and maintaining hydrological function during dry periods. Wetlands are also home to many rare species of flora and fauna.

Wetland cover was calculated using up-to-date aerial photography and applying Geographic Information Systems (GIS) and analysis techniques. Grey Sauble staff are constantly working to improve wetland information on a local scale.

Coverage in this watershed is excellent when compared to Environment and Climate Change Canada's habitat recommendations. Pottawatomi River watershed currently has 18% wetland cover, with the recommended coverage being 10%. It is important to protect these wetlands as it is extremely difficult to get them back once they are gone.

There are many threats to wetlands in Southern Ontario, including land conversion for development, drainage for agriculture and invasive species such as Phragmites. Organizations such as Ducks Unlimited Canada, ALUS Grey Bruce and GSCA are interested in working with landowners to protect wetland features, deliver restoration efforts, and create new wetland habitat.



INDICATORS	2013-2017*	ECCC GUIDELINE**	INDICATOR DESCRIPTION
Wetland Cover (%)	18.28 A	10 B	Percent wetland cover is the percentage of the watershed that is in wetland cover. Wetlands include swamps (treed and thicket), bogs, fens and marshes.

*Data based on 2015 colour air photography. **ECCC Guideline—Environment Canada guideline based on “How Much Habitat is Enough?” (2013) Grades based on Conservation Ontario standards (2017).



**GROUNDWATER
INFORMATION:**
INSUFFICIENT
DATA

TREND:
N/A



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

GROUNDWATER

Groundwater is water that is stored in bedrock fractures or between sand/gravel layers in aquifers. Through the Provincial Groundwater Monitoring Network (PGMN) partnership with the Ministry of Environment, Conservation and Parks, GSCA monitors water levels and water quality in 10 wells annually within the Grey Sauble watershed. However, there are no PGMN wells in Pottawatomi River watershed.

Surficial Geology and Soils

The Pottawatomi River flows from the southern parts of the Township of Georgian Bluffs in a northeasterly direction into the west side of Owen Sound and out to the harbour. The geology of the Pottawatomi River watershed is primarily comprised of permeable sand, underlain by soft clay and rock. Beneath these soil layers are bedrock formations, namely of the limestone Manitoulin formation and the Queenston shale formation.

Drinking Water Source Protection

There is only one drinking water system in this watershed, the Pottawatomi Village Water Treatment Plant. It is comprised of two bedrock wells (one designated as a backup well), which are classified as Groundwater Under Direct Influence of Surface Water (GUDI). Under the direct influence of surface water means the groundwater source is located near a surface water source such as a lake or river and receives surface water recharge. Due to the influence of surface water, the groundwater source is considered at risk of contamination from pathogens such as E. coli.

Wellhead Protection Areas (WHPA's)

Around this municipal well system is a Wellhead Protection Area (WHPA). This protection area highlights the time it takes for contaminants to reach drinking water, so it is important to monitor potential threats in this area.

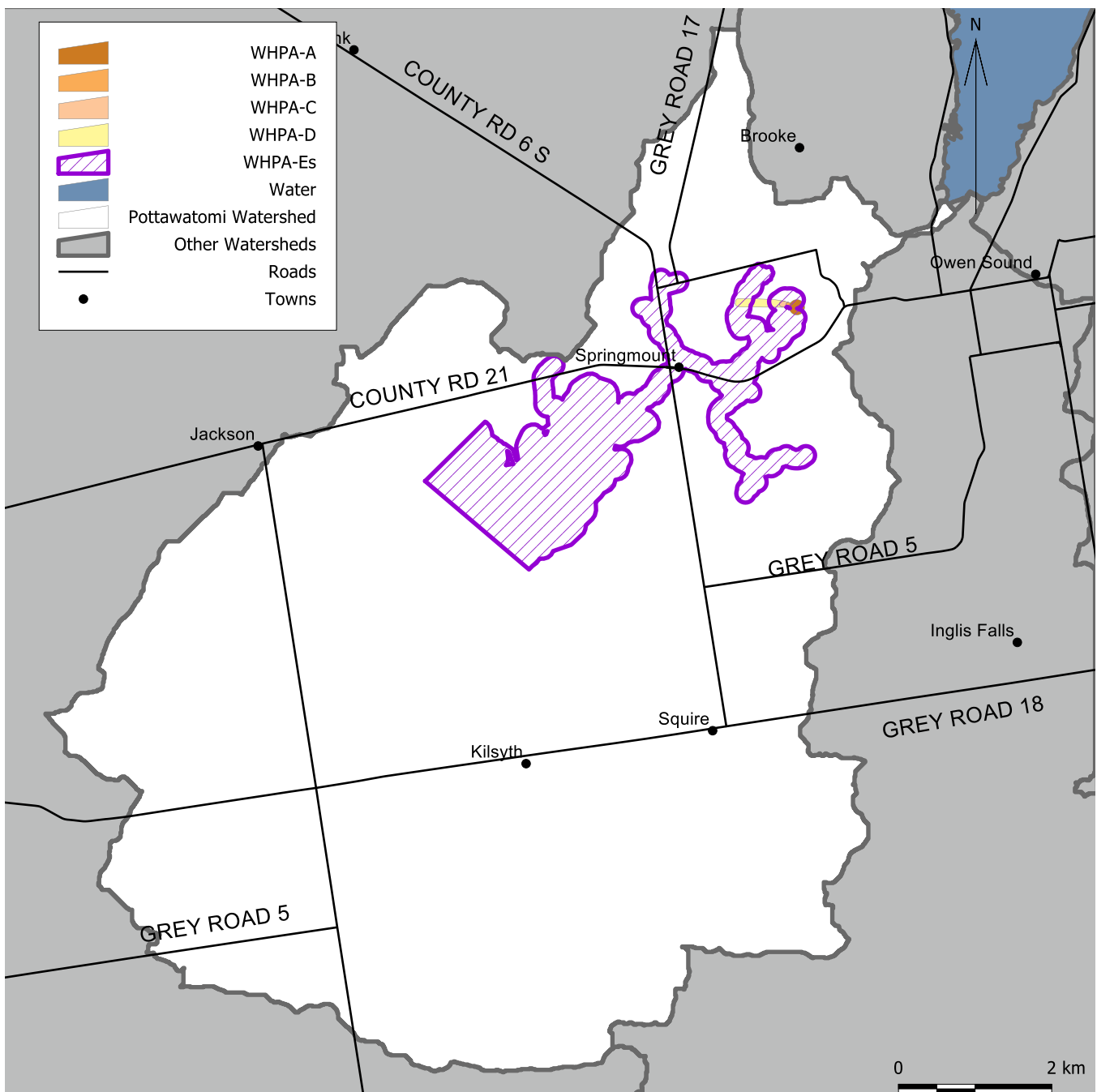
WHPA-A: 100 m radius around a municipal well

WHPA-B: Area where water can flow to the well in 2 years

WHPA-C: Area where water can flow to the well in 5 years

WHPA-D: Area where water can flow to the well is less than 25 years and not within WHPAs A, B or C

WHPA-E: Can only apply to GUDI wells, as it is the 2-hour time of travel within surface water that influences the well





ACTIONS FOR IMPROVEMENT

On the Shore

- Leave a minimum of 3 feet of native vegetation in place. Having a vegetated buffer helps to filter runoff, prevent erosion, maintain water levels, and deter waterfowl.
- Minimize fertilizer use to prevent excess nutrients from entering the lake.
- Learn how to identify and control invasive species.
- Regularly service your septic system.
- Decommission unused wells to prevent contaminants from entering groundwater.

On the Farm

- Improve water quality and habitat by fencing livestock out of streams.
- Maintain a vegetated buffer between crop land and waterways.
- Upgrade manure storage and barn eavestroughing to divert clean water.
- Reduce soil erosion through no-till, residue management and cover crops.
- Plant windbreaks to protect your soils.
- Reduce nutrient loss by implementing a nutrient management plan.
- Conserve water and minimize pesticide use.

In Town

- Leave a minimum of 3 feet of native vegetation along creeks and lakes. Plant native species to protect the shoreline and create habitat.
- Conserve water indoors and collect water outdoors using a rain barrel.
- Increase your land permeability by using rain gardens, mulch or permeable pavement.
- Minimize fertilizer use to prevent excess nutrients from entering streams.
- Dispose of chemicals properly and do not pour harmful substances down the drain as these outlet to local waterways.

For Municipalities and other Agencies

- Work together with GSCA on consistent planning regulations and adoption of bylaws that will protect watercourses, wetlands, and vegetated riparian buffers.
- Adopt your own environmental sustainability initiatives and community grants.
- Municipalities, developers and GSCA staff work together on adoption of Low
- Impact Development (LID) practices and promote natural designs (bio-swales, infiltration trenches, permeable pavement) and stormwater retrofits.
- Secure environmentally significant properties, specifically wetlands, shorelands and properties that will connect natural features.
- Ensure appropriate approvals and/or permits are obtained so that the approval authority can monitor for implementation of approval conditions.

ADDITIONAL SURFACE WATER QUALITY

In addition to the parameters used to grade the surface water quality section, a suite of other chemical parameters is tested on water samples, including: nitrate, chloride and total suspended solids. Nitrates may be present in water due to decay of plant or animal material, agricultural fertilizers, domestic sewage, or treated wastewater contamination, and geological formations containing soluble nitrogen compounds. The allowable limit for the protection of aquatic life is 550 mg/L short term, or 13 mg/L long term (CCME, 2012). The results shown in the above table indicate that nitrate concentrations are far below the allowable limit and have remained consistent over 15 years.

Chloride occurs naturally in the environment in mineral deposits and therefore many surface water and groundwater sources are naturally saline. However, chloride may be added to surface water through anthropogenic sources such as: salting of roads, agricultural or industrial fertilizers and sewage treatment. The allowable limit for chlorides in freshwater is 640 mg/L short term and 120 mg/L long term (CCME, 2011). The results shown in the above table indicate that chloride concentrations are below the long-term allowable limit and have remained consistent over 15 years.

Total suspended solids (TSS) in healthy streams have levels that show less than a 25 mg/L increase over background levels for short-term events and less than a 5 mg/L increase over longer term exposures (CCME, 2002). Suspended matter consists of silt, clay, fine particles of organic and inorganic matter, soluble organic compounds, plankton, and other microscopic organisms. The amount and type of suspended solids in surface water directly relates to the turbidity, or clarity of the water (CCME, 2002). TSS results have stayed consistent over the last 10 years but levels may exceed the CCME guideline for long term exposure.

CHEMICAL PARAMETERS	2003-2007	2008-2012	2013-2017
Nitrate (mg/L)*:	0.75 (n=40)	0.74 (n=36)	0.85 (n=40)
Chloride (mg/L)*:	42.35 (n=40)	41.63 (n=36)	36.63 (n=40)
Particulate residue (mg/L)*:	10.98 (n=40)	5.48 (n=36)	5.88 (n=40)

Additional Benthic Scoring:

A benthic index is a way to convert biological data into a measure of water quality. The BioMAP Index is a more holistic index than Hilsenhoff Family Biotic Index (FBI) and may provide further insights into the benthic invertebrate community and surface water quality. The BioMAP Index requires the identification to the lowest practical level (genus or species) measures water quality based on the presence of sensitive species at the site. All species are ranked based on their sensitivity values and the average of the top 25% is used to determine the grade.

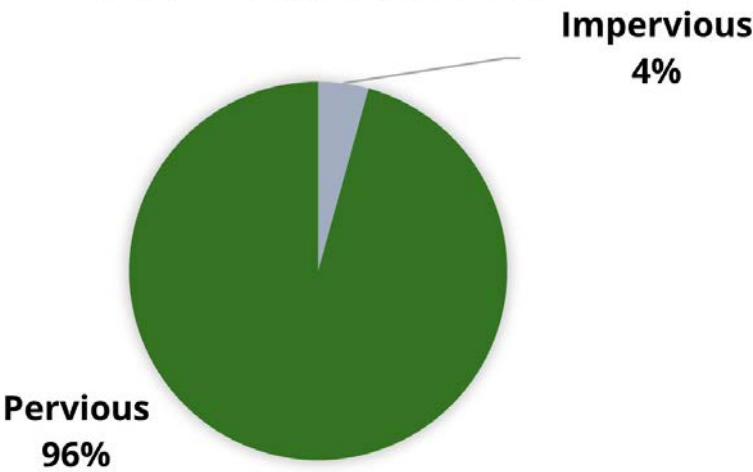
BioMAP attempts to classify watersheds as impaired, unimpaired or in transition based on the size of the watercourse: creek <4 m, stream 4-16 m, river 16-64 m. These classifications and how they relate to the report card grading scores can be found on Page 15. The BioMAP Index is not commonly used by other Conservation Authorities due to the added identification requirements and the grading system used for the watersheds is unique to GSCA.

	2003-2007	2008-2012	2013-2017	GUIDELINE
Benthic Score BioMAP*(Qualitative)	3.24 B (n=3)	3.19 B (n=3)	3.00 C (n=1)	>3.0 B Target Only

Canadian Council of Ministers of the Environment. (2012). Nitrate Fact Sheet. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/197/>
 Canadian Council of Ministers of the Environment. (2011). Chloride Fact Sheet. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/337/>
 Canadian Council of Ministers of the Environment. (2002). Total Particulate Matter. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/217/>
 Griffiths, R. (1999). BioMAP: Bioassessment of Water Quality. Niagara College: Canada: The Centre for Environmental Training.

ADDITIONAL WATERSHED FEATURES

LAND PERMEABILITY



12.24 km
of watercourses

7.29%

of this watershed is regulated under the Niagara Escarpment Commission.

19 TREE PLANTING PROJECTS

Have been completed in this watershed



Rare Species

Butternut, American, Hart's Tongue Fern, Eastern Wood-pewee, Wood Thrush



Invasive Species

Common Reed, Japanese Knotweed, Invasive Honeysuckle, Japanese Barberry, Common Buckthorn, Tufted (cow) Vetch, Beech Scale Insect, Scotch Pine, Wild Chervil, Garlic Mustard,



Fish Species

Blacknose Dace, Brook Stickleback, Brook Trout, Brown Trout, Central Mudminnow, Creek Chub, Finescale Dace, Longnose Dace, Mottled Sculpin, Northern Redbelly Dace, Pearl Dace, Slimy Sculpin, White Sucker



Potential Stressors

Quarry activities, agricultural run-off, failing septic systems



GSCA has completed 19 tree planting projects in the Pottawatomi River watershed resulting in approximately 16 hectares of new forests. 5.83 hectares of these treed lands were established along watercourses, creating valuable riparian areas that can improve water quality, especially when combined with livestock restriction fencing.

REFERENCES FOR HEALTH REVIEW GRADING

The below tables were developed by Conservation Ontario and the Watershed Report Card Working Group. The exception to the water quality table is the column representing BioMAP, which was developed by GSCA. These tables show how the grades were determined for each category. Points are awarded per category based on the grade and the final grade is based on an average of all points.



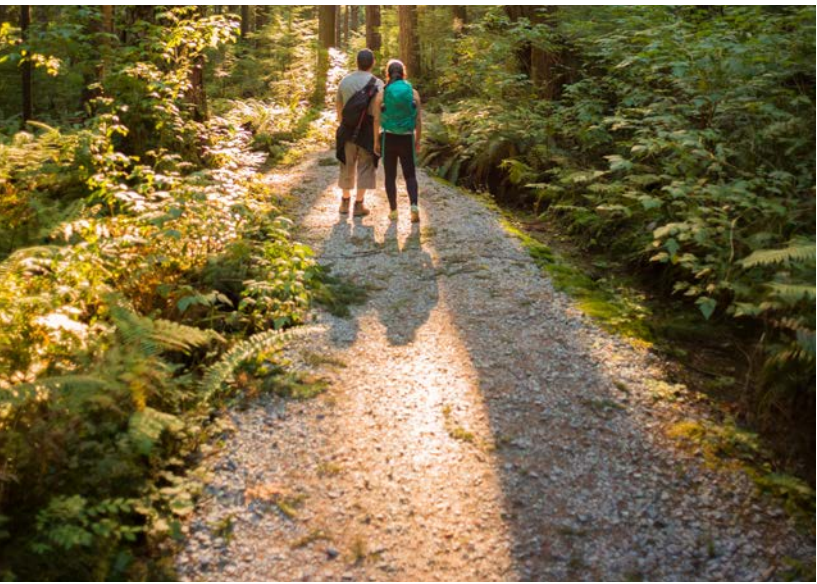
Total Phosphorus (mg/L)	E.coli (#/100 mL)	Benthic	Benthic Invertebrates (BioMAP)	Point Score	Grade	Overall Surface Water Quality Grade	
						Final Points	Final Grade
<0.020	0-3	0.00-4.25	Creek (<4m) 4.0 Stream (4-16m) >3.4 River (16-64m) >3.0	5	A	>4.4	A
0.020-0.030	31-100	4.26-5.00	Creek (<4m) >3.4 Stream (4-16m) >3.0 River (16-64m) >2.4	4	B	3.5-4.4	B
0.031-0.060	101-300	5.01-5.75	Creek (<4m) 3.4-3.2 Stream (4-16m) 3.0-2.6 River (16-64m) 2.4-2.0	3	C	2.5-3.4	C
0.061-0.180	301-1000	5.76-6.50	Creek (<4m) <3.2 Stream (4-16m) <2.6 River (16-64m) <2.0	2	D	1.5-2.4	D
>0.180	>1000	6.51-10.00	Creek (<4m) <2.6 Stream (4-16m) <2.0 River (16-64m) <1.5	1	F	<1.5	F



% Forest Cover	% Interior Forest	% Riparian Forest	Point Score	Grade	Overall Forest Conditions	
					Final Points	Final Grade
>35.0	>11.5	>57.5	5	A	>4.4	A
25.1-35.0	8.6-11.5	42.6-57.5	4	B	3.5-4.4	B
15.1-25.0	5.6-8.5	27.5-42.5	3	C	2.5-3.4	C
5.0-15.0	2.5-5.5	12.5-27.5	2	D	1.5-2.4	D
<5.0	<2.5	<12.5	1	F	<1.5	F



Grade	% Wetland Cover
A	>11.5
B	8.6-11.5
C	5.6-8.5
D	2.5-5.5
F	<2.5



What is a Conservation Authority?

Conservation authorities are local agencies that operate at a watershed-scale to protect, manage, and conserve natural resources and share an appreciation of the environment with others. Through partnerships in communities across Ontario, conservation authorities are able to help protect people and property from natural hazards like flooding and erosion and address specific environmental challenges we face locally.



GSCA is one of 36 Conservation Authorities Across Ontario

Over 13 million people, approximately 95% of Ontario's population live in areas that are managed by conservation authorities (CAs).

Guided by the Conservation Authorities Act of 1946, which was recently updated in 2017, Ontario's CAs are charged with the responsibility of "ensuring the conservation, restoration, development and management of Ontario's natural resources through programs that balance human, environmental and economic needs."

Member of



**Conservation
ONTARIO**
Natural Champions

Grey Sauble Conservation Authority (GSCA) is not responsible for, and cannot guarantee, the accuracy of all the information contained within the maps. All of the included mapping is made available "AS IS", "AS AVAILABLE", and "WITH ALL FAULTS" without representations or warranties of any kind, either express or implied, as to the accuracy, completeness, reliability, currency, merchantability, fitness for purpose, title or otherwise. The entire risk as to the results and performance of the Map Products is assumed by the user. Produced by GSCA with Data supplied under License by Members of the Ontario Geospatial Data Exchange. Includes Material [2021] of the © Queen's Printer for Ontario and its licensors. All rights reserved. May not be reproduced without permission. THIS IS NOT A PLAN OF SURVEY.



THANK YOU

To all the landowners, community groups, schools,
businesses, municipalities and other government
agencies who value watershed health and support
our efforts to monitor and protect it!





Grey Sauble
CONSERVATION

SAUBLE RIVER

2018 Watershed Health Review





STREAM HEALTH:
EXCELLENT



A

FOREST CONDITIONS:
EXCELLENT



B

WETLAND CONDITIONS:
EXCELLENT



A

GROUNDWATER INFORMATION:
INSUFFICIENT DATA



—

SAUBLE

Watershed Health Review

94,330 ha
WATERSHED AREA



3,193 ha
GSCA LANDS



14,914
POPULATION



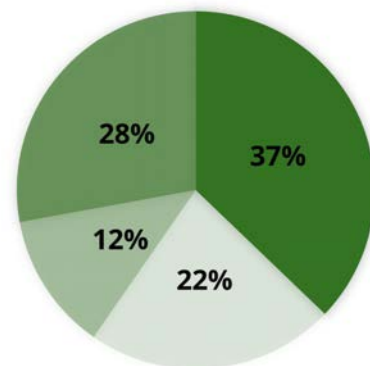
14 PRIVATELY OWNED DAMS



1 SEWAGE TREATMENT PLANT

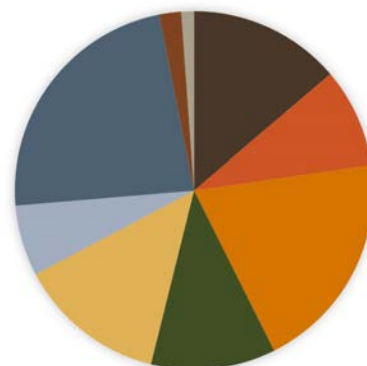
MUNICIPALITIES

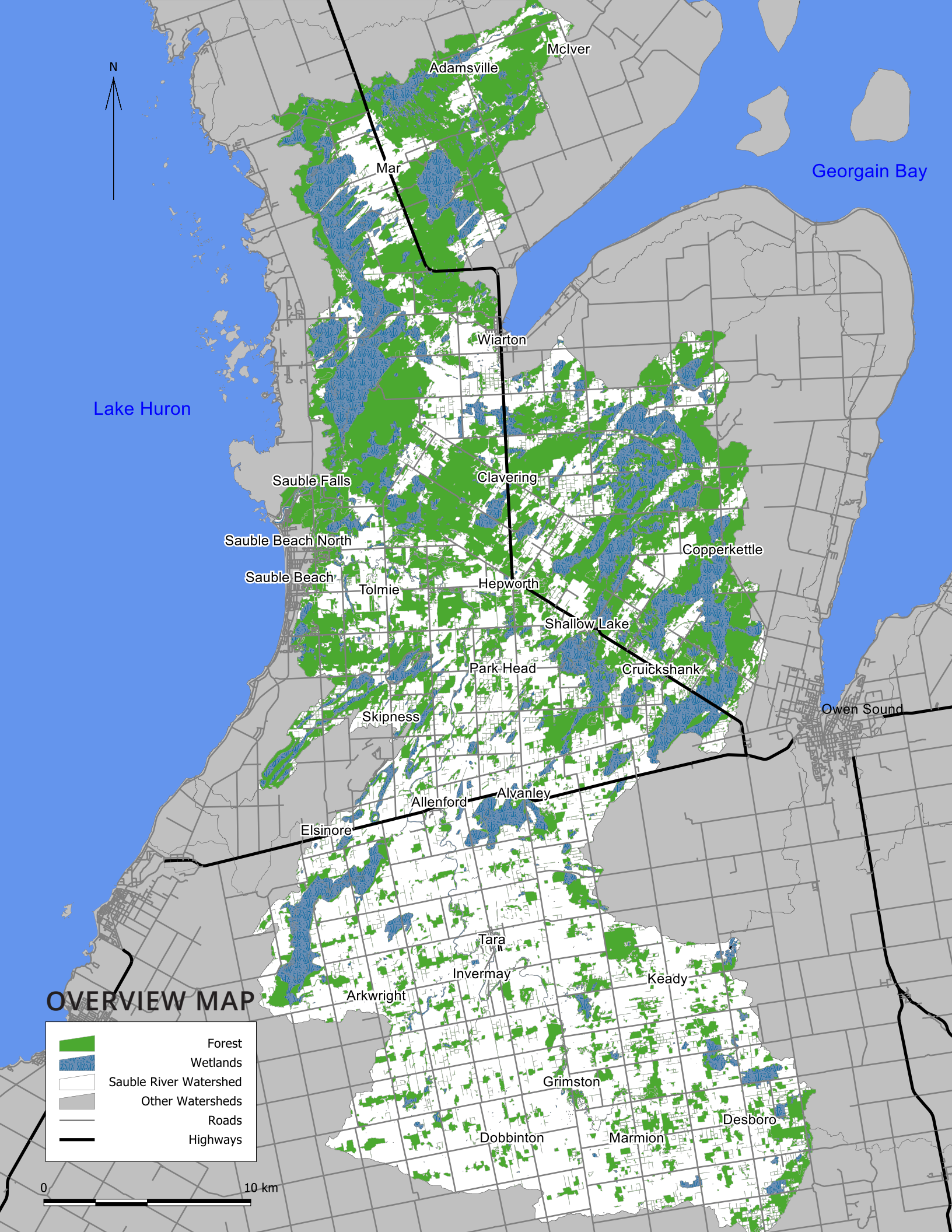
- Town of South Bruce Peninsula
- Municipality of Arran-Elderslie
- Township of Chatsworth
- Township of Georgian Bluffs



SOILS

- Breyden
- Fine To Moderately Coarse Sandy Loam
- Medium To Moderately Fine Loam
- Organic
- Silty Clay
- Other
- Silty Loam
- Coarse Sandy Loam And Loamy Sand
- Clay Loam







A **STREAM
HEALTH:
EXCELLENT**

**TREND:
STABLE**



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

STREAM HEALTH

Overall, surface water quality of the Sauble River received an “A” letter grade, indicating excellent water quality. There are several water quality monitoring stations within this watershed but only the one closest to the outlet is used for scoring. This station is located at the Bruce Road 13 bridge, just upstream of Sauble Falls. Water quality data has been collected at this site since 1970, but only the last 15 years have been reviewed. Total Phosphorus values* have stayed consistent throughout the 15-year monitoring period, with results indicating trace amounts just above detection. It is important to continue to monitor this parameter as there is growing concern throughout the Great Lakes Basin over harmful algal blooms which are caused by high phosphorus loading. Agricultural runoff, golf course and residential fertilizers, as well as failing septic systems are all potential point sources that could increase Phosphorus levels. Landowners are urged to continue implementing Best Management Practices (BMP's) to maintain current results.

Fecal bacteria (E. coli) monitoring began in 2011, and since that time values** remain below the 100-count level. This level is a provincial target used to determine if beaches are safe for swimming. High E. coli counts are common after large rain events when manure from farm fields enters waterways or at sites with a high population of waterfowl.



Benthic invertebrates are small aquatic animals that live on the bottom of streams. These communities are excellent indicators of stream health because they are very sensitive to changes in environmental conditions.

The Family Biotic Index (FBI) was the index used to determine this stream health grade, however GSCA also uses the BioMAP Index, which is a more holistic index for stream health (presented on Page 13 along with more chemistry results). The FBI Index scores the benthic community consistently as an A grade, whereas the BioMAP Index scores the site consistently as a B .



The below table shows the results for the three parameters that count towards the report card grade. Sample size is represented by "n".

INDICATORS	2003-2007	2008-2012	2013-2017	GUIDELINE	INDICATOR DESCRIPTION
Total Phosphorus (mg/L)*	0.017 A (n=39)	0.0185 A (n=35)	0.016 A (n=40)	0.030 B Aquatic Life	Phosphorus is found in products such as fertilizer and detergents, and contributes to excess algal growth which creates low oxygen in streams and lakes.
Bacteria (# per 100 mL)**	N/A	37.26 B (n=15)	31.61 B (n=40)	100 B Recreation	E.coli is a fecal coliform bacteria found in human and animal waste. It is a strong indicator of the potential to have organisms present that could harm human health.
Benthic Score FBI Index***	N/A	4.22 A (n=2)	3.34 A (n=1)	<5.00 B Target Only	Benthic macroinvertebrates are small aquatic animals that live at the bottom of streams. These organisms are good indicators of water quality and are commonly used to diagnose watershed health.

*75th percentile, MECP PWQMN data. Grades based on Conservation Ontario standards (2017). **Geometric mean, GSCA data. ***Average. Grades based on Conservation Ontario standards (2017).



B **FOREST
CONDITIONS:
EXCELLENT**

**TREND:
NO TREND**



GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

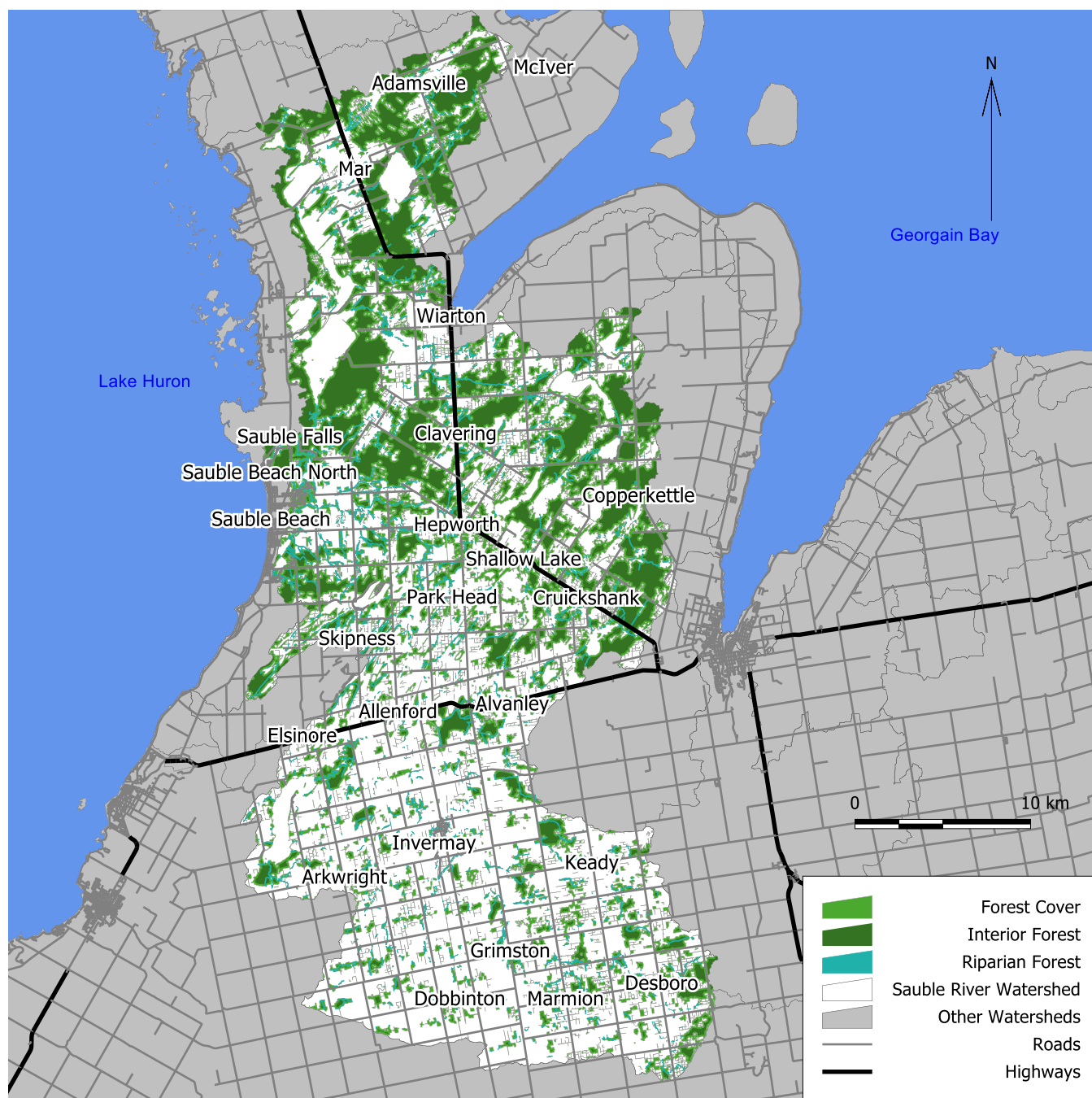
**INSUFFICIENT
DATA**

FOREST CONDITIONS

Forest cover is calculated by using up-to-date aerial imagery and applying Geographic Information Systems (GIS) mapping and analysis techniques. It takes 20 or more years for trees to become large enough to count towards the watershed report card grades. Currently, Grey Sauble Conservation Authority (GSCA) has planted 241 hectares in this watershed.

Riparian and interior forests provide important habitats and wildlife corridors, making this a key area for conservation efforts and habitat protection. Forests Ontario, Alternative Land Use Services (ALUS) and GSCA have programs that provide subsidies and incentives for landowners to plant more trees. GSCA also assists landowners with the Managed Forest Tax Incentive Program, which allows landowners with 4 hectares to be eligible for a tax break.

This map shows overall forest cover, interior forest, and riparian forests throughout the watershed. There is good forest cover throughout the northern portions of the watershed with much less coverage in the southern half. This is due to the major land use in the southern half of this watershed being agriculture. Tree cover in this area is usually limited to poorly drained areas and areas that are difficult to clear for row crops and livestock pasture. Tree planting is one of the simplest ways to improve all forest cover. Efforts could be made to improve forest connectivity and riparian cover. There are 28 GSCA properties in the Sauble River watershed, totaling 3193 ha of forest.



INDICATORS	2008-2012*	2013-2017*	ECCC GUIDELINE**	INDICATOR DESCRIPTION
% Forest Cover	41.04 A	39.6 A	30 B	Forest cover is the percentage of the watershed that is forested. Watersheds should contain at least 30% forest cover to sustain native flora and fauna (ECCC, 2013).
% Forest Interior	14.52 A	13.31 A	10 B	Forest interior is the remaining portion of a woodlot when a 100 metre buffer is removed. Forest interior provides native species with undisturbed habitat.
% Riparian Zone Forested	36.43 C	35.61 C	50 B	Percent riparian zone forested is a measure of the amount of forest cover within a 30 m riparian/buffer zone adjacent to all open watercourses. Riparian zones protect water quality and provide important ecological services, habitat and movement corridors for wildlife.

*Data based on 2015 colour air photography. **ECCC Guideline—Environment Canada guideline based on “How Much Habitat is Enough?” (2013). Grades based on Conservation Ontario standards (2017).



A **WETLAND
CONDITIONS:
EXCELLENT**

**TREND:
NO TREND**



WETLAND CONDITIONS

GRADING CHART:

A: EXCELLENT

B: GOOD

C: FAIR

D: POOR

F: VERY POOR

**INSUFFICIENT
DATA**

Wetlands are an important part of ecological function within a watershed. They provide many ecosystem services including: improving water quality by filtering runoff, assisting with flood control by storing water, and maintaining hydrological function during dry periods. Wetlands are also home to many rare species of flora and fauna.

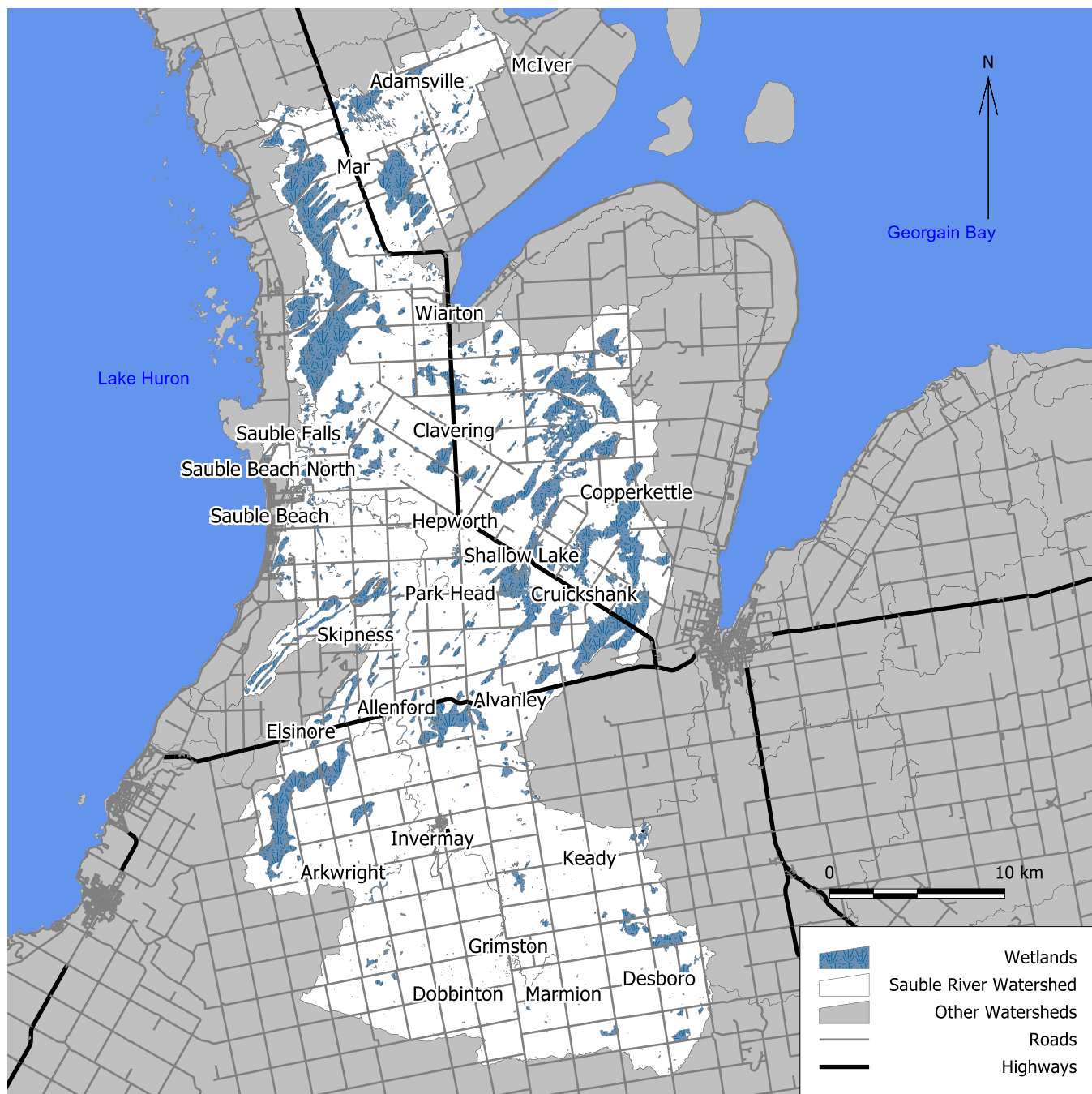
Wetland cover in the Sauble River watershed was calculated using up-to-date aerial photography and applying Geographic Information Systems (GIS) and analysis techniques. Grey Sauble staff are constantly working to improve wetland information on a local scale.

Coverage in this watershed is excellent when compared to Environment and Climate Change Canada's habitat recommendations. Sauble River watershed currently has 10.25% wetland cover, with the recommended coverage being 10%. It is important to protect these wetlands as it is extremely difficult to get them back once they are gone.

There are many threats to wetlands in Southern Ontario, including land conversion for development, drainage for agriculture and invasive species such as Phragmites. Organizations including Ducks Unlimited Canada, ALUS Grey Bruce and GSCA are interested in working with landowners to protect wetland features, deliver restoration efforts, and create new wetland habitat.



The Shouldice Wetland Complex is a Provincially Significant Wetland within the Sauble River watershed. This 868 hectare swamp is home to many species of turtles and birds and is an important hydrological feature. Other notable wetlands in the Sauble River watershed include Skinner Marsh, Arran Lake Wetland Complex, Allenford Station, and Albemarle Brook.



INDICATORS	2013-2017*	ECCC GUIDELINE**	INDICATOR DESCRIPTION
Wetland Cover (%)	15.71 A	10 B	Percent wetland cover is the percentage of the watershed that is in wetland cover. Wetlands include swamps (treed and thicket), bogs, fens and marshes.

*Data based on 2015 colour air photography. **ECCC Guideline—Environment Canada guideline based on “How Much Habitat is Enough?” (2013) Grades based on Conservation Ontario standards (2017).



**GROUNDWATER
INFORMATION:**
INSUFFICIENT
DATA

TREND:
N/A

GROUNDWATER

GRADING CHART:

- A: EXCELLENT**
- B: GOOD**
- C: FAIR**
- D: POOR**
- F: VERY POOR**
- INSUFFICIENT
DATA**

Groundwater is water that is stored in bedrock fractures or between sand/gravel layers in aquifers. Through the Provincial Groundwater Monitoring Network (PGMN) partnership with the Ministry of Environment, Conservation and Parks, GSCA monitors water levels and water quality in 10 wells annually within the Grey Sauble watershed. There are three monitoring wells in this watershed. Unfortunately, these wells do not provide sufficient coverage to grade the groundwater resources for this entire watershed.

Surficial Geology and Soils

The southern headwaters of the Sauble River watershed is dominated by stoney, sandy, silt till and is part of the Late Wisconsinian glacial formation. The middle section of the watershed, closer to Lake Huron where the Sauble River enters, is dominated by sand and glaciolacustrine shallow water deposits. The northern part of the watershed is classified as rock dominated terrain with discontinuous thin drift cover and was formed during the Guelph Formation, comprised of dolostone. Silty loam and moderately to medium fine loam are the two dominant soil textures.

Drinking Water Source Protection

There are several drinking water systems in this watershed, including: Tara, Shallow Lake, Amabel-Sauble and Huron Woods in Sauble Beach. All of these drinking water systems, with the exception of two wells in Tara are classified as Groundwater Under Direct Influence of Surface Water (GUDI). Under the direct influence of surface water means the groundwater source is located near a surface water source such as a lake or river and receives surface water recharge. Due to the influence of surface water, the groundwater source is considered at risk of contamination from pathogens such as *Giardia lamblia* and viruses, which are not common in groundwater.

Wellhead Protection Areas (WHPA's)

Around each of these municipal wells are Wellhead Protection Areas (WHPA's). These areas highlight the time it takes for contaminants to reach drinking water, so it is important to monitor potential threats in these areas.

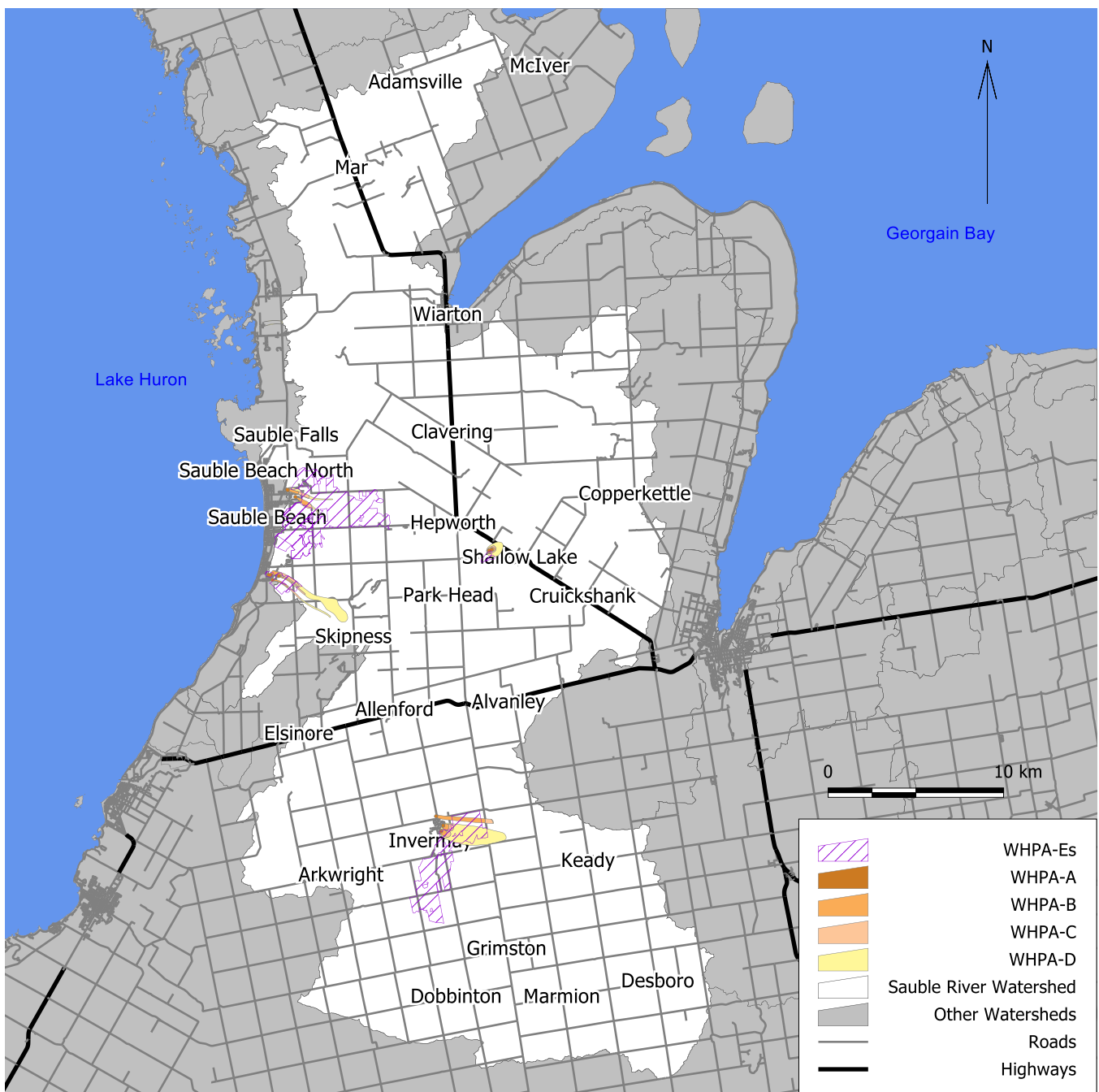
WHPA-A: 100 m radius around a municipal well

WHPA-B: Area where water can flow to the well in 2 years

WHPA-C: Area where water can flow to the well in 5 years

WHPA-D: Area where water can flow to the well is less than 25 years and not within WHPAs A, B or C

WHPA-E: Can only apply to GUDI wells, as it is the 2-hour time of travel within surface water that influences the well





ACTIONS FOR IMPROVEMENT

On the Shore

- Leave a minimum of 3 feet of native vegetation in place. Having a vegetated buffer helps to filter runoff, prevent erosion, maintain water levels, and deter waterfowl.
- Minimize fertilizer use to prevent excess nutrients from entering the lake.
- Learn how to identify and control invasive species.
- Regularly service your septic system.
- Decommission unused wells to prevent contaminants from entering groundwater.



On the Farm

- Improve water quality and habitat by fencing livestock out of streams.
- Maintain a vegetated buffer between crop land and waterways.
- Upgrade manure storage and barn eavestroughing to divert clean water.
- Reduce soil erosion through no-till, residue management and cover crops.
- Plant windbreaks to protect your soils.
- Reduce nutrient loss by implementing a nutrient management plan.
- Conserve water and minimize pesticide use.



In Town

- Leave a minimum of 3 feet of native vegetation along creeks and lakes. Plant native species to protect the shoreline and create habitat.
- Conserve water indoors and collect water outdoors using a rain barrel.
- Increase your land permeability by using rain gardens, mulch or permeable pavement.
- Minimize fertilizer use to prevent excess nutrients from entering streams.
- Dispose of chemicals properly and do not pour harmful substances down the drain as these outlet to local waterways.



For Municipalities and other Agencies

- Work together with GSCA on consistent planning regulations and adoption of bylaws that will protect watercourses, wetlands, and vegetated riparian buffers.
- Adopt your own environmental sustainability initiatives and community grants.
- Municipalities, developers and GSCA staff work together on adoption of Low
- Impact Development (LID) practices and promote natural designs (bio-swales, infiltration trenches, permeable pavement) and stormwater retrofits.
- Secure environmentally significant properties, specifically wetlands, shorelands and properties that will connect natural features.
- Ensure appropriate approvals and/or permits are obtained so that the approval authority can monitor for implementation of approval conditions.



ADDITIONAL SURFACE WATER QUALITY

In addition to the parameters used to grade the surface water quality section, a suite of other chemical parameters is tested on water samples, including: nitrate, chloride and total suspended solids. Nitrates may be present in water due to decay of plant or animal material, agricultural fertilizers, domestic sewage, or treated wastewater contamination, and geological formations containing soluble nitrogen compounds. The allowable limit for the protection of aquatic life is 550 mg/L short term, or 13 mg/L long term (CCME, 2012). The results shown in the above table indicate that nitrate concentrations are far below the allowable limit and have remained consistent over 15 years.

Chloride occurs naturally in the environment in mineral deposits and therefore many surface water and groundwater sources are naturally saline. However, chloride may be added to surface water through anthropogenic sources such as: salting of roads, agricultural or industrial fertilizers and sewage treatment. The allowable limit for chlorides in freshwater is 640 mg/L short term and 120 mg/L long term (CCME, 2011). The results shown in the above table indicate that chloride concentrations are below the long-term allowable limit and have remained consistent over 15 years.

Total suspended solids (TSS) in healthy streams have levels that show less than a 25 mg/L increase over background levels for short-term events and less than a 5 mg/L increase over longer term exposures (CCME, 2002). Suspended matter consists of silt, clay, fine particles of organic and inorganic matter, soluble organic compounds, plankton, and other microscopic organisms. The amount and type of suspended solids in surface water directly relates to the turbidity, or clarity of the water (CCME, 2002). TSS results have stayed consistent over 15 years and are therefore indicative of a healthy stream.

CHEMICAL PARAMETERS	2003-2007	2008-2012	2013-2017
Nitrate (mg/L)*:	0.50 (n=39)	0.27 (n=36)	0.45 (n=40)
Chloride (mg/L)*:	15.2 (n=39)	12.58 (n=36)	12.28 (n=40)
Particulate residue (mg/L)*:	2.6 (n=39)	2.95 (n=37)	3.13 (n=40)

Additional Benthic Scoring:

A benthic index is a way to convert biological data into a measure of water quality. The BioMAP Index is a more holistic index than Hilsenhoff Family Biotic Index (FBI) and may provide further insights into the benthic invertebrate community and surface water quality. The BioMAP Index requires the identification to the lowest practical level (genus or species) measures water quality based on the presence of sensitive species at the site. All species are ranked based on their sensitivity values and the average of the top 25% is used to determine the grade.

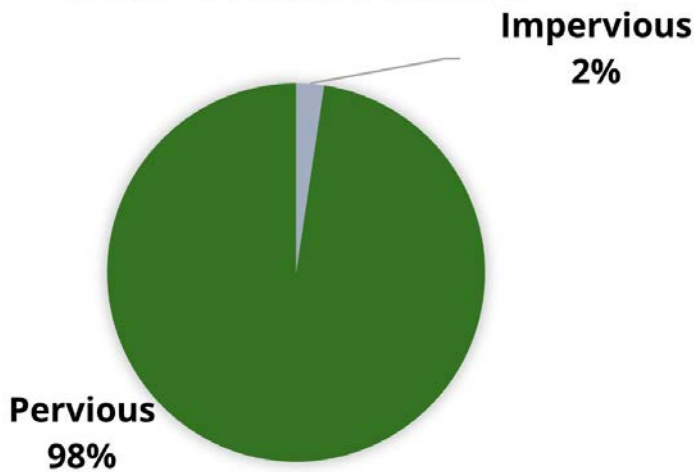
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	2008-2012	2013-2017	GUIDELINE
Benthic Score BioMAP*(Qualitative)	2.90 A (n=2)	3.00 A (n=1)	>2.4 B Target Only

Canadian Council of Ministers of the Environment. (2012). Nitrate Fact Sheet. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/197/>
Canadian Council of Ministers of the Environment. (2011). Chloride Fact Sheet. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/337/>
Canadian Council of Ministers of the Environment. (2002). Total Particulate Matter. Retrieved online from, <http://ceqg-rcqe.ccme.ca/download/en/217/>
Griffiths, R. (1999). BioMAP: Bioassessment of Water Quality. Niagara College: Canada: The Centre for Environmental Training.

ADDITIONAL WATERSHED FEATURES

LAND PERMEABILITY



1339 km
of watercourses

2.4%
of this watershed is
regulated under the
Niagara Escarpment
Commission.

3696 ha

AREAS OF NATURAL AND
SCIENTIFIC INTEREST (ANSI)
For Example: Mountain
Lake Fen, Sauble Falls,
Arkwright Drumlins



Rare Species

Hungerford's Crawling
Water Beetle, Bobolink,
American Hart's Tongue
Fern, Butternut



Invasive Species

Round Goby, Phragmites,
Wild Chervil, European
Buckthorn, Beech Bark
Disease



Fish Species

Brook, Rainbow and Brown
Trout, Coho and Chinook
Salmon, Smallmouth Bass
and Yellow Perch etc.



Potential Stressors

Golf course irrigation,
quarry activities,
agricultural run-off,
failing septic systems



Stewardship

In 2017, GSCA received a grant from the Ministry of Environment, Conservation and Parks Great Lakes Guardian Community Fund to implement clean water projects in the Village of Tara. This funding allowed for 1635 m of fencing to be installed along the Sauble River, preventing cattle from accessing surface water.

In the past, the Cleaning Up Rural Beaches program also focused on stewardship initiatives along the Sauble River to help limit E.coli along Lake Huron's beaches. These programs have been essential for implementing agricultural Best Management Practices for water quality.

REFERENCES FOR HEALTH REVIEW GRADING

The below tables were developed by Conservation Ontario and the Watershed Report Card Working Group. The exception to the water quality table is the column representing BioMAP, which was developed by GSCA. These tables show how the grades were determined for each category. Points are awarded per category based on the grade and the final grade is based on an average of all points.



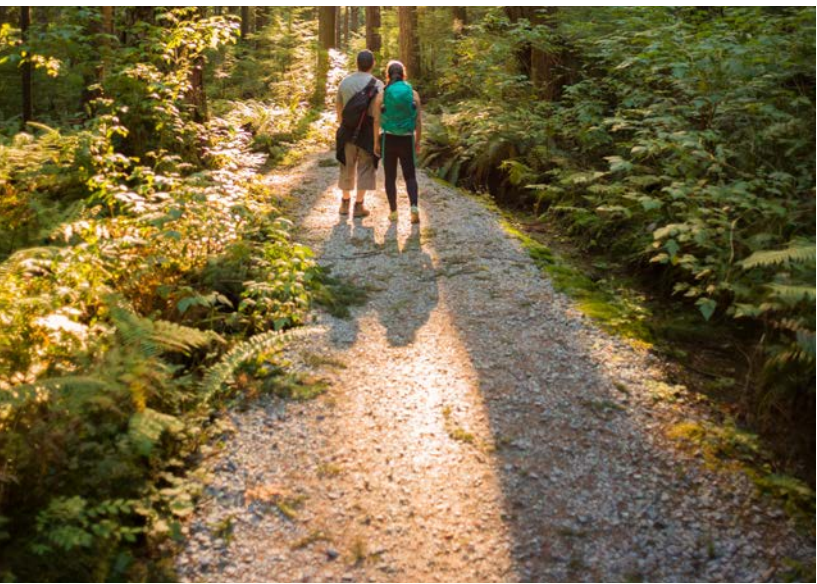
Total Phosphorus (mg/L)	E.coli (#/100 mL)	Benthic	Benthic Invertebrates (BioMAP)	Point Score	Grade	Overall Surface Water Quality Grade	
						Final Points	Final Grade
<0.020	0-3	0.00-4.25	Creek (<4m) 4.0 Stream (4-16m) >3.4 River (16-64m) >3.0	5	A	>4.4	A
0.020-0.030	31-100	4.26-5.00	Creek (<4m) >3.4 Stream (4-16m) >3.0 River (16-64m) >2.4	4	B	3.5-4.4	B
0.031-0.060	101-300	5.01-5.75	Creek (<4m) 3.4-3.2 Stream (4-16m) 3.0-2.6 River (16-64m) 2.4-2.0	3	C	2.5-3.4	C
0.061-0.180	301-1000	5.76-6.50	Creek (<4m) <3.2 Stream (4-16m) <2.6 River (16-64m) <2.0	2	D	1.5-2.4	D
>0.180	>1000	6.51-10.00	Creek (<4m) <2.6 Stream (4-16m) <2.0 River (16-64m) <1.5	1	F	<1.5	F



% Forest Cover	% Interior Forest	% Riparian Forest	Point Score	Grade	Overall Forest Conditions	
					Final Points	Final Grade
>35.0	>11.5	>57.5	5	A	>4.4	A
25.1-35.0	8.6-11.5	42.6-57.5	4	B	3.5-4.4	B
15.1-25.0	5.6-8.5	27.5-42.5	3	C	2.5-3.4	C
5.0-15.0	2.5-5.5	12.5-27.5	2	D	1.5-2.4	D
<5.0	<2.5	<12.5	1	F	<1.5	F



Grade	% Wetland Cover
A	>11.5
B	8.6-11.5
C	5.6-8.5
D	2.5-5.5
F	<2.5



What is a Conservation Authority?

Conservation authorities are local agencies that operate at a watershed-scale to protect, manage, and conserve natural resources and share an appreciation of the environment with others. Through partnerships in communities across Ontario, conservation authorities are able to help protect people and property from natural hazards like flooding and erosion and address specific environmental challenges we face locally.



GSCA is one of 36 Conservation Authorities Across Ontario

Over 13 million people, approximately 95% of Ontario's population live in areas that are managed by conservation authorities (CAs).

Guided by the Conservation Authorities Act of 1946, which was recently updated in 2017, Ontario's CAs are charged with the responsibility of "ensuring the conservation, restoration, development and management of Ontario's natural resources through programs that balance human, environmental and economic needs."

Member of



**Conservation
ONTARIO**
Natural Champions

Grey Sauble Conservation Authority (GSCA) is not responsible for, and cannot guarantee, the accuracy of all the information contained within the maps. All of the included mapping is made available "AS IS", "AS AVAILABLE", and "WITH ALL FAULTS" without representations or warranties of any kind, either express or implied, as to the accuracy, completeness, reliability, currency, merchantability, fitness for purpose, title or otherwise. The entire risk as to the results and performance of the Map Products is assumed by the user. Produced by GSCA with Data supplied under License by Members of the Ontario Geospatial Data Exchange. Includes Material [2021] of the © Queen's Printer for Ontario and its licensors. All rights reserved. May not be reproduced without permission. THIS IS NOT A PLAN OF SURVEY.



THANK YOU

To all the landowners, community groups, schools,
businesses, municipalities and other government
agencies who value watershed health and support
our efforts to monitor and protect it!





STAFF REPORT

Report To: Board of Directors
Report From: Mac Plewes, Manager of Environmental Planning
Meeting Date: December 22, 2021
Report Code: 062-2021
Subject: Planning & Regulation Fee Schedule Update

Recommendation:

WHEREAS, under Section 21(1)(m.1) of the Conservation Authorities Act, the authority has the power to charge fees for services;

AND WHEREAS, previously approved planning agreements establish the process for annual fee increases based on the Consumer Price Index;

THAT, the GSCA Board of Directors approve the 2022 Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation Ontario Regulation 151/06 fee schedule as presented in Appendix A to this report and that said fee schedule is to take effect on January 1, 2022.

AND That, the GSCA Board of Directors approve the 2022 Planning Agreement Fees and Related Planning Fees schedule as presented in Appendix B to this report and that said fee schedule is to take effect on January 1, 2022.

Strategic Initiative:

This item contributes to GSCA's Better Manage and Monitor Flood Risk goal by helping ensure the program is financially stable.

Background/Discussion:

GSCA's planning fees are adjusted on an annual basis based on the Ontario Consumer Price Index as per the Planning Services Agreements with our member municipalities and Bruce County. The regulation fee schedule is simultaneously reviewed, and adjustments are typically approved by the Board that also includes adjustments to the text of the fee schedule.

Currently, GSCA staff are working through a more comprehensive review of departmental fees and services with Watson's & Associates. Staff anticipate completing this process with Watson's in early 2022. A report and proposed fee schedule will be brought forward at that time for consultation with the Board. In the interim, GSCA staff have prepared planning and regulation fee schedules for 2022 factoring a 4.9% Ontario CPI increase applied to the 2021 fees as per current practice with the planning agreements. No other changes are proposed to the structure or wording of the fee schedules at this time.

The 2022 Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation 151/06 fee schedule is included as Appendix A to this report. The 2022 fees are highlighted, and the corresponding 2021 fee is also shown in brackets for comparison.

Appendix B includes the 2022 Municipal/County Planning Agreement Fees and Related Planning Fees and Technical Review Fees. The 2021 fees are also shown for comparison.

Financial/Budget Implications:

The proposed fee schedules were not utilized in the 2022 budget planning given the timing of their preparation. The increase in fees will result in an increase in departmental revenues on pace with Ontario's CPI.

Communication Strategy:

The new planning fee schedules will be circulated to the municipalities and posted on the web site in January 2022.

Consultation:

CAO, Planning Staff

Development, Interference with Wetlands and Alteration to Shorelines and Watercourses
Regulation Ontario Regulation 151/06
FEE SCHEDULE 2022 (2021)

When submitting an application, the appropriate fee must be included; otherwise, applications will not be processed. The fee is nonrefundable regardless of the decision reached by Grey Sauble Conservation Authority on the issuance of a permit. **Cheques made payable to: Grey Sauble Conservation Authority or by etransfer or Credit Card/Debit Card Payment available by phone or internet**

Application for Permission	Work Fee
1. Minor Projects	\$290.00 (\$280.00)
2. Standard Projects	\$650.00 (\$620.00)
3. Major Projects	\$1630.00 (\$1550.00)
4. 60 Month Project (requires GSCA Board Approval)	\$3800.00 (\$3620.00)
Permit Replacement (Expired within 1 yr. and no amendments)	\$140.00 (\$130.00)
Permit Replacement with Amendments (Minor Projects)	\$160.00 (\$150.00)
Permit Replacement with Amendments (standard Projects)	\$270.00 (\$260.00)
Permit Replacement with Amendments (Major Projects)	\$550.00 (\$520.00)
Property Clearance and Inquiry Letters	\$230.00 (\$220.00)
Property Clearance and Inquiry Letters with Site Inspection	\$390.00 (\$370.00)

Any project commenced prior to the issuance of a permit will be subject to a fee that is double the regular fee.

Definitions: This is a summary for the guidance of all applicants, Grey Sauble Conservation determines the applicable fee and whether the project is exempt.

1. Standard Projects:

- All projects not defined as minor, major or exempt are Standard Projects.
- Clean-out of channels greater than 100 metres and less than 500 metres in length completed while the channel is dry, provided the dimensions of the channel do not exceed the original "as constructed" channel (primarily for agricultural purposes).

2. Minor Projects:

- Buildings and structures with floor area equal to or less than 50 metres² (538 ft²)
- Fill (including placing, removal or re-grading) where the total quantity is equal to or less than 100 metres³ (130.8 yards³)
- Retaining walls where slope stability is not a concern
- Fences within a floodplain or dynamic beach
- Decks and patios greater than 10 metres² (107.6 feet²) in floor area that are not enclosed or roofed and not located in a hazard area
- Docks that are not subject to the Public Lands Act.

Minor Projects (continued):

- Pools and associated minor site alterations

- Shore wells and associated site alterations excluding in water works
- Clean-out of existing ponds (location of disposal of dredged material must be indicated and may trigger additional permits) where pond size does not increase.
- Clean-out of channels less than 100 metres in length completed while the channel is dry, provided the dimensions of the channel do not exceed the original “as constructed” channel
- Watercourse crossing where the existing stream channel width is equal to or less than 3.0 metres (9.8 feet) and the watercourse is dry at the time of construction
- Maintenance and repair to existing on-stream structures provided the use and dimensions remain substantially the same
- Stream bank or inland lake shoreline works that are equal to or less than 20 metres (65.6 feet) in total length
- Site alteration for the installation of a septic system
- Repairs or replacement of Great Lakes shoreline protection works within the same footprint.

3. Major Projects:

- All non-residential buildings (commercial, industrial, institutional) greater than 500 metres² (5380 feet²) in floor area
- Filling (including placing, removal or re-grading) where the total quantity is more than 1500 metres³ (1962 yards³)
- Ponds, dams, watercourse crossings where the existing stream channel width is greater than 10 metres (33 feet)
- New stream bank and channel works that exceed 500 metres (1,640 feet) in length
- Retaining walls or similar structures where there is potential for slope instability.

Exempt Projects:

- Non-habitable buildings or structures equal to or less than 10 metres² (107.6 feet²) in floor area provided they are not located in a hazard area.
- Fill quantities (including placing, removal or re-grading) equal to or less than 10 metres³ (13 yards³) where the work is completed in one calendar year, is not an ongoing project, is not located on a steep slope and will not restrict the flow of water.
- Fences not within a floodplain or dynamic beach.
- Septic system replacements being replaced in the same general location and size and not within a hazard area with no change to existing drainage patterns.
- New or replacement municipal/private water line and/or municipal/private sewer hook-up, telephone/cable/electrical/natural gas installations provided it does not cross a watercourse, wetland or steep slope and maintains existing drainage and grading patterns.
- Demolition of an existing building provided there are no changes in grade.
- Repairs and/or replacement of a foundation provided the building footprint is not increased with no change in grade and the structure is not within a flood or erosion hazard area.
- Landscape works that do not change the grade or drainage and are not considered a structure.
- Works within the waters of Lake Huron, Georgian Bay or inland lakes that require a review or permit from the Ministry of Natural Resources and Forestry under the Public Lands Act.
- Works that are required to protect municipal infrastructure in the case of a flood or erosion emergency. (Consultation is required with the GSCA prior to completing the work).

APPENDIX B

APPENDIX B

Grey Sauble Conservation Authority Municipal/County Planning Agreement Fees and Related Planning Fees 2022(2021)

TYPE OF APPLICATION Schedule 3(a)	2022 FEE
Zoning By-law Amendment(Re-zoning)	\$390.00 (\$370)
Official Plan Amendment	\$390.00 (\$370)
Consents	\$390.00 (\$370)
Minor Variance	\$290.00 (\$280)
Multiple Applications (2 nd application 50%)	
Subdivision /Condominium Draft Approval Conservation Authority Fees: <ul style="list-style-type: none"> Subdivisions \$105.00 per lot or block, with a minimum flat fee of \$880.00 and a maximum flat fee of \$10,490.00 (for the CA fees) Condominiums: The lesser of \$105 per unit or \$1,340.00/ha with a minimum flat fee of \$590.00 (\$560) and a maximum flat fee of \$7,020.00 (\$6,690) (for the CA fees) <p>Note: 0.3 metre reserve blocks are not included for calculating applicable fees.</p>	\$880.00 (\$840) (minimum flat fee) \$10,490.00 (\$10,000) (Maximum flat fee) + Applicable GSCA Technical review fees.
Site Plan Reviews - Minor - Single lot residential or small scale commercial/Industrial	\$290.00 (\$280)
Other Planning Related Fees (not subject to agreements)	
Red-line Revisions for Plan of Subdivision (minor) + technical fees	\$290.00 (\$280)
Red Line Revision for Plan of Subdivision (major) + technical fees	\$790.00 (\$750)
Site Plan Reviews - Major - Commercial, Industrial and/or multiple residential	\$680.00 (\$650)
Conditions Clearance Letter	\$230.00 (\$220)
Niagara Escarpment Development Permit Reviews + technical fees if applicable	\$310.00 (\$300)
Pre-circulation consultation – Small Development (site Inspection and scoping letter)	\$390.00 (\$370)
Pre-circulation consultation – Large Development (developed area is greater than 1 hectare or commercial, industrial or multiple residential) (site Inspection and scoping letter)	\$680.00 (\$650)
Aggregate Resources Act Licence Application (under 20 hectares/50 acres) (plus applicable Planning Act Application fees and GSCA technical study review fees)	\$680.00 (\$650)
Aggregate Resources Act Licence Application (over 20 hectares) (plus applicable Planning Act Application fees and GSCA technical study review fees)	\$680.00 (\$650) + \$20./hectare over 20 hectares.
Golf Course Review Fee	\$1570.00(\$1500)
Environmental Assessment Review Fee	\$680.00 (\$650)

Planning Agreement --Technical Review Fee Schedule Effective January 1, 2022.

APPENDIX A - SCHEDULE 3 (b) in municipal Planning Agreements

Technical Clearance	Flat Fee 2022 (2021)
1. <u>Scoped Site</u> Environmental Impact Studies for proposed mitigation measures related natural heritage features.	\$680.00 (\$650)
2. <u>Full Site</u> Environmental Impact Studies for proposed mitigation measures related to any natural heritage features.	\$1510.00 (\$1,440)
3. Sub-watershed Study/Master Drainage Plan or Tributary Study	\$680.00 (\$650)
4. Storm water management studies and proposed facilities.	\$1,510.00 (\$1440)
5. <u>Scoped Site</u> Impact studies and proposed mitigation measures for any proposal that is potentially impacted by natural hazards (flooding, slope stability, shorelines)	\$680.00 (\$650)
6. <u>Full Site</u> Impact studies and proposed mitigation measures for any proposal that is potentially impacted by natural hazards (flooding, slope stability, shorelines)	\$1,510.00 (\$650)
7. All technical clearance fees are subject to the Supplementary Fee , where applicable, in addition to the flat fee	See Note 5 below

Notes and Definitions:

- For the purpose of this fee schedule, Scoped Site studies are generally recommended in situations where the nature of the natural feature or hazard is well documented, similar development has been previously proposed, modeled and analyzed, impacts are not expected due to the location or nature of a proposed development, and mitigation options have been developed.
- For the purpose of this fee schedule, Full Site studies are generally recommended in situations which are more complex, where information is lacking, or where the risk or significance of the impact is high.
- Where the Authority has identified the need for technical clearance through its comments to the Municipality the applicant will obtain the clearance directly from the Authority and will submit the appropriate fee as specified in the schedule of fees directly to the Authority.
- Where a Conservation Authority development permit approval is required in addition to the planning approval, the fee for the Conservation Authority permit may be discounted at the Authority's discretion.
- For the purpose of this fee schedule, the Supplementary Fee applies when the Conservation Authority chooses to use specific technical assistance from another source to supplement their review of a technical document, and hereby direct costs are incurred by the Authority. This fee is in addition to the flat rate fee and is to be paid by the proponent directly to the Authority. The Supplementary Fee charged to the proponent is equal to the costs invoiced to the Authority by the other source for that specific review.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-154

MOVED BY: _____

SECONDED BY: _____

WHEREAS, under Section 21(1)(m.1) of the Conservation Authorities Act, the authority has the power to charge fees for services;

AND WHEREAS, previously approved planning agreements establish the process for annual fee increases based on the Consumer Price Index;

THAT, the GSCA Board of Directors approve the 2022 Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation Ontario Regulation 151/06 fee schedule as presented in Appendix A to this report and that said fee schedule is to take effect on January 1, 2022.

AND That, the GSCA Board of Directors approve the 2022 Planning Agreement Fees and Related Planning Fees schedule as presented in Appendix B to this report and that said fee schedule is to take effect on January 1, 2022.

Stewardship

Keith Reid – Stewardship Technician

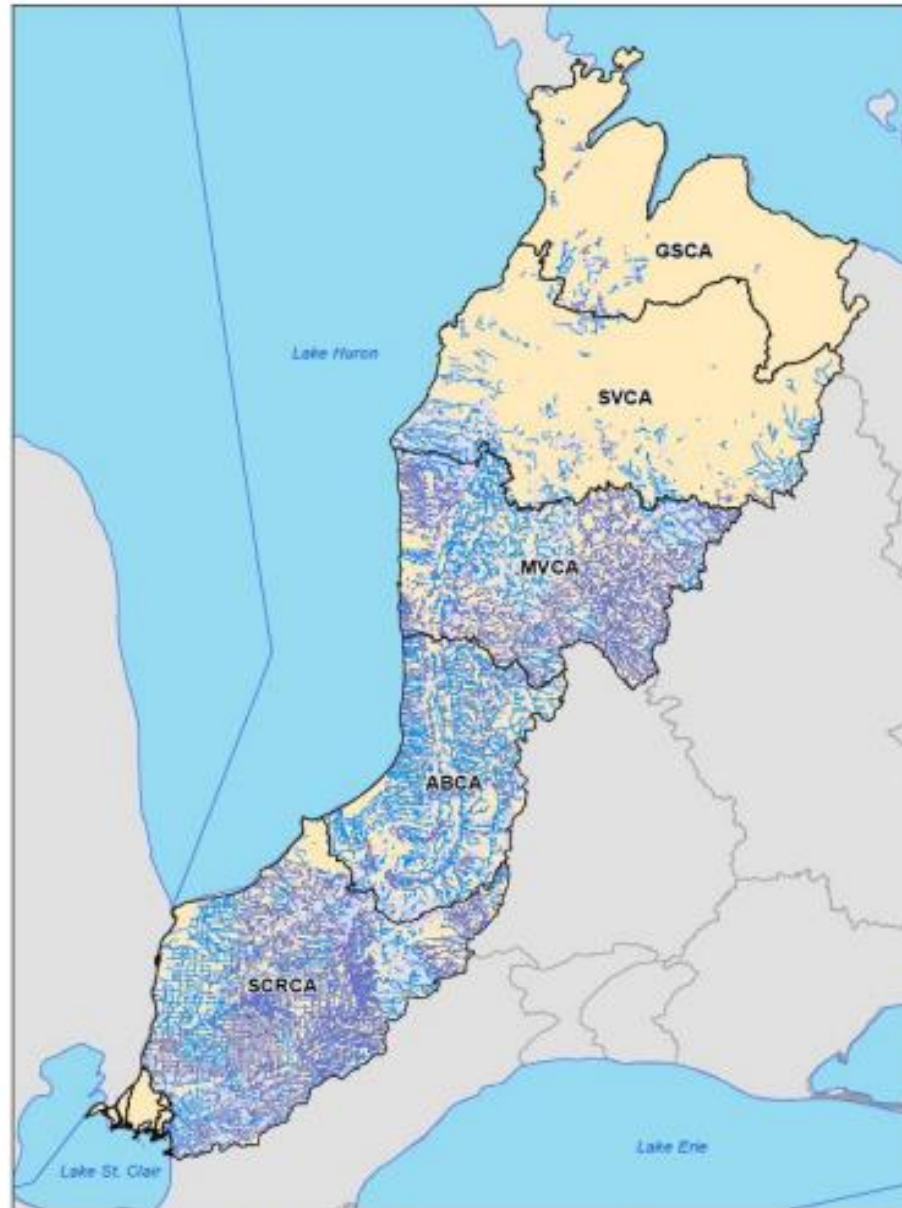


Agricultural Characteristics Report for Sauble South Subwatershed

A Report to Ontario Ministry of Agriculture, Food
and Rural Affairs to support efforts of the Healthy
Lake Huron Initiative

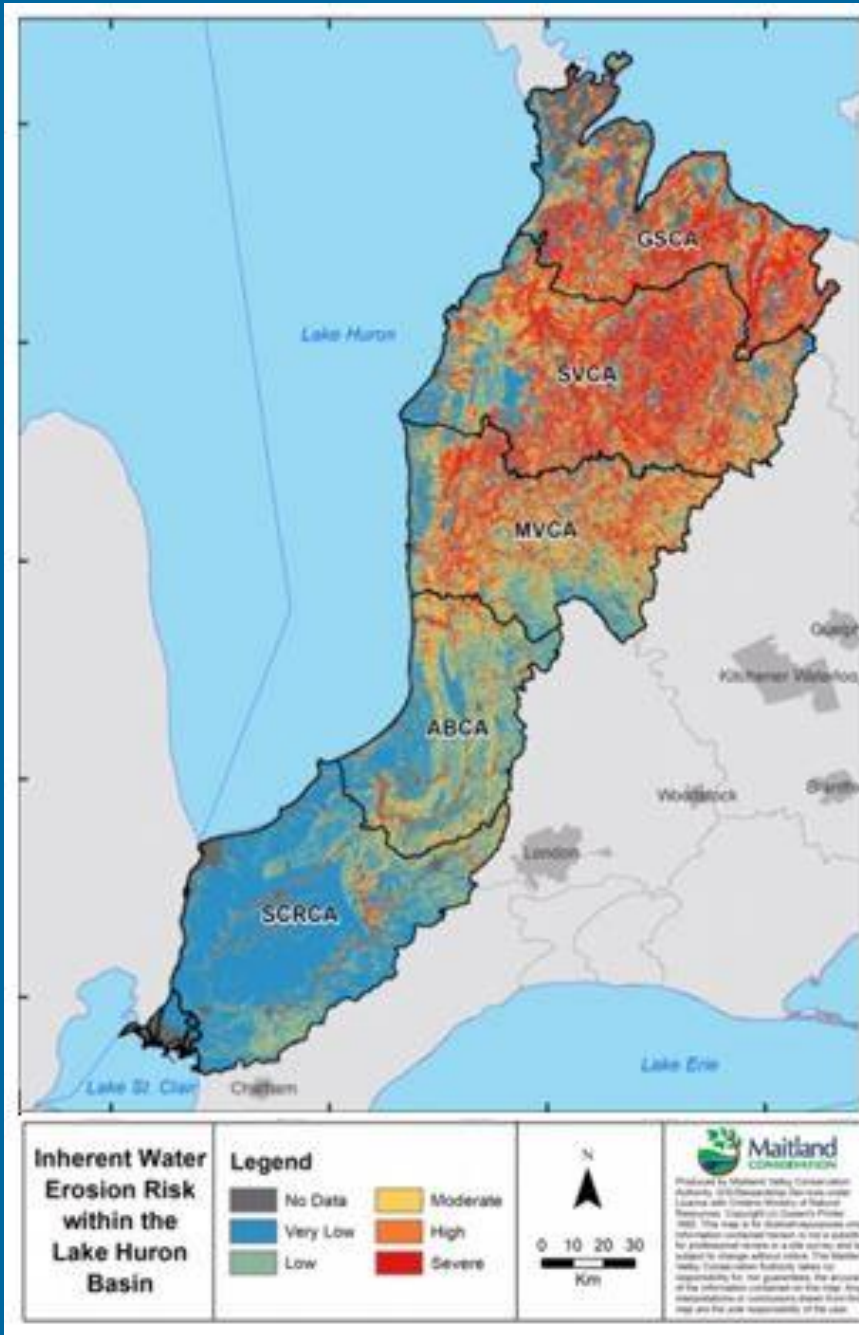
Prepared by: Keith Reid and Michael Fry
Grey Sauble Conservation Authority
December 2021

Constructed Drains



OMAFRA 'Constructed Drains'

Map of Erosion Risk Potential



The Benefits of Beef Cattle on the Grey Bruce Landscape

Survey questions below will provide greater insight to best land use choices for our Grey Bruce landscape and how Grey & Bruce beef producers provide value added services to their landscape.



1. Which county do you farm within?

☐ Bruce

☐ Grey

Tree Planting



Tree Buffer



Exclusion Fencing



Project Site 1



Project Site 2



Water Diversion





Cover Crops









THANK YOU

Grant Donors & Partners

This project was undertaken with the financial support of:
Ce projet a été réalisé avec l'appui financier de:



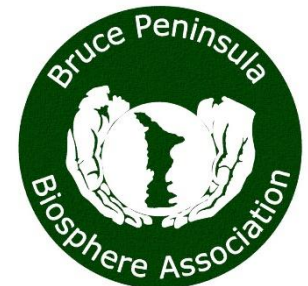
Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Ministry of the Environment,
Conservation and Parks



Landowners / Producers





STAFF REPORT

Report To: Board of Directors
Report From: Michael Fry, Forestry Coordinator
Meeting Date: December 22, 2021
Report Code: 063-2021
Subject: Forest Management – Cedar Harvesting

Recommendation:

THAT, the GSCA Board of Directors receive this report number 063-2021 on Cedar Harvesting as information.

Strategic Initiative:

This item relates to the “Enhance Current Land Management” priority set out in GSCA’s Strategic Plan.

Background:

Grey Sauble Conservation Authority (GSCA) owns and manages over 11,300 hectares (28,000 acres) of land throughout its jurisdiction. Approximately 85% (9,600 hectares / 23,800 acres) is forested. Much of these areas are used for several activities such as hunting, hiking, and forest management.

GSCA maintains a Forest Management Plan (FMP) that describes the lands owned and managed by GSCA and the planned activities within these properties. The overarching goals of the FMP are to ensure the long-term health of the forest, maintain wildlife habitat and habitat features, provide recreational opportunities, and generate revenue through sustainable forest management activities (i.e. harvesting).

White cedar (*Thuja occidentalis* L.) is an important species within the forests of the GSCA watersheds. It forms pure stands and grows in collaboration with hardwood

species and other softwood species. White cedar has economic, ecological, and spiritual values. When conducting any management activities, the impacts on the different values need to be considered. From GSCA's inventories, stands with at least 70% cedar composition account for over 1,950 ha of GSCA's forests.

White cedar is a species that usually lives for 300-400 years, but some specimens have been found along the Niagara Escarpment to be 1,300 years old. White cedar is very tolerant of shade and can grow on many different sites. Cedar forests provide valuable winter thermal protection for deer, a source of food for deer, porcupine, and rabbits, while also providing nesting sites and cover for bird species.

The current, or historic, approach to management within cedar forests, has been using patch cuts or strip cuts. When using patch cuts, the area harvested (patch size) is usually 0.08 ha or approximately 30m X 30m. Strip cuts generally are 0.16 ha in size or 20m X 80m. Patch cuts have normally been used in stands between 4-10 ha, while strip cuts are used in stands larger than 10 ha. In both cases, harvesting within adjacent areas is not to take place until sufficient desirable cedar regeneration is established. When staff have utilized either of these methods, there has been little cedar regeneration and other species have established instead. As cedar provide valuable winter habitat for wildlife species, this is not a desirable outcome.

Utilizing either of these approaches allows for a shorter amount of time spent as there is little regard applied to protecting individual trees or wildlife features. Instead, when the location of either approach is determined, it is a matter of marking the outside boundary and then ensuring the harvesting contractor stays within the designated area.

Analysis:

Over the past several decades research has been focused on different management options for cedar forests. Within the last few years, a new silvicultural guide explicitly dealing with white cedar has been developed and released by the USDA Forest Service, with research trials and input from Canadian sites. The guide describes the properties and values of white cedar, its range, habitat, reproductive strategies, and growth characteristics. The authors also created a decision key to guide forest managers in deciding which management activities would be appropriate.

In an effort to use the latest scientific knowledge to manage GSCA's forests, staff have been working to identify and implement a harvest operation utilizing this new guide. The guide suggests a new approach known as a 'Pearl Necklace.' It is named this because of the way the harvest looks from above – several small round openings (pearls) throughout the forest with a path connecting them (the chain). Opening size is dictated by the height of the surrounding trees. The diameter of the opening is to be no larger than the height of the surrounding trees. The openings will be in areas with higher

densities to realize operational efficiencies, and to not disturb areas of lower density or ecologically sensitive areas.

It is expected that by creating small, targeted openings within the stand, white cedar will regenerate in these areas and when sufficient desirable regeneration has become established, another operation can be planned. When this occurs, the connecting paths can be utilized again, and new openings created throughout the stand. Over time this will create a mosaic across the stand while still maintaining the important winter thermal habitat that deer require.

Staff have completed inventories of stands they feel this approach would work well in. Currently, staff are looking to identify a contractor to complete this work. Staff are being careful who the contractors they engage with as this is a trial and staff want to ensure the work is done in a manner consistent with the silvicultural manual.

Financial/Budget Implications:

Not applicable

Communication Strategy:

None needed.

Consultation:

Local and provincial forestry professionals



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-155

MOVED BY: _____

SECONDED BY: _____

THAT, the GSCA Board of Directors receive this report number 063-2021 on Cedar Harvesting as information.

Grey Sauble Authority Board of Directors

MOTION

DATE: December 22, 2021

MOTION #: FA-21-156

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors proceed into closed session at X:XX pm to discuss matters related to the following:

- i. Minutes of the Closed Session of the Regular Board of Directors meeting held on November 24, 2021; and,**
- ii. To discuss an item in the Town of South Bruce Peninsula regarding litigation or potential litigation including matters before administrative tribunals and/or the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose; (GSCA Administrative By-Law, Section 4(xvii)(1)(d)&(f)); and,**

AND FURTHER THAT CAO, Tim Lanthier, Administrative Assistant, Valerie Coleman, and Gloria Dangerfield, Manager of Information Services will be present.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-157

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors resume open session.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021
MOTION #: FA-21-158

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors approve the November 24, 2021 Closed Session minutes as presented in the closed session agenda.



Grey Sauble Authority Board of Directors

M O T I O N

DATE: December 22, 2021

MOTION #: FA-21-159

MOVED BY: _____

SECONDED BY: _____

THAT the Grey Sauble Conservation Authority Board of Directors approve ...