



SOUTH NATION  
CONSERVATION  
DE LA NATION SUD



38 rue Victoria Street, Finch, ON K0C 1K0 Tel: 613-984-2948 Fax: 613-984-2872 Toll Free: 1-877-984-2948 [www.nation.on.ca](http://www.nation.on.ca)

## Clean Water Committee

# Meeting Agenda

**Date:** November 28<sup>th</sup>, 2022

**Time:** 9:00 a.m.

**Location:** Watershed Room, SNC

**Address:** 38 Victoria Street, Finch, ON K0C 1K0



## Clean Water Committee

# Meeting Agenda

November 28<sup>th</sup>, 2022 at 9:00 am

1. Chair Remarks
2. Approval of Clean Water Committee Agenda (Supplemental Agenda)
3. Declaration of Conflict of Interest
4. Community Engagement: Roundtable
5. Request for Approval: Approval of Clean Water Committee meeting minutes of September 12<sup>th</sup>, 2022 3-8
6. New Business:
  - a. Update: Bill 23, *More Homes Built Faster Act*, 2022: Carl 9-20
  - b. Request for Approval: Programs and Services Work Plan for Municipal Engagement: Ronda 21-23
  - c. Request for Approval: Eastern Ontario Water Resources Program Financial Statement – As of October 31<sup>st</sup>, 2022: Ronda 24-25
  - d. Request for Approval: Eastern Ontario Water Resources Program Projects
    - i. Eastern Ontario Children's Water Festival: Lexy Harquail 26-28
    - ii. Passive Filter for Phosphorus and Ammonia Polishing Field Study: Chris Kinsley 29-32
    - iii. SNC Eastern Ontario Water Resources Program Projects: Katherine 33-34
  - e. Ottawa Rural Clean Water Project Applications: Reps 35-37
  - f. Summary of Clean Water Program Grant Applications: Ronda 38-40
  - g. Clean Water Program Project Applications: Reps 41-43
  - h. Request for Approval: 2022 Clean Water Program Waiting List: Ronda 44-45
  - i. For Discussion: Well Decommissioning Grant Eligibility: Andre (verbal)
  - j. Request for Approval: 2023 Clean Water Committee Meeting Schedule: Lorie 46
7. Supplemental Agenda (if any)
8. Correspondence (if any)
9. Date of Next Meeting:
  - February 27<sup>th</sup>, 2023: Clean Water Committee at 9:00 a.m.
  - March 23<sup>rd</sup>, 2023: Joint Standing Committees at 1:00 p.m.
10. Adjournment

Ronda Boutz,  
Secretary-Treasurer.

/lh



## CLEAN WATER COMMITTEE MEETING

Tuesday, September 12<sup>th</sup>, 2022, 10:00 a.m. – Meeting 03/22

SNC Watershed Room, SNC Office

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Present:	Jacqueline Kelly-Pemberton, Committee Chair Ray Beauregard, Farmer ( <i>electronic participation</i> ) Russell Bennett, Farmer Michel Kearney, City of Ottawa ( <i>electronic participation</i> ) Marc Laflèche, Farmer René Lalonde, Farmer Yves Laviolette, United Counties of Prescott and Russell Glenn Mackey, Farmer André Pommainville, Farmer Tara Redpath, City of Ottawa ( <i>electronic participation</i> ) Terrence Sauvé, Ontario Ministry of Agriculture, Food and Rural Affairs Alan Kruszel, Farmer, ( <i>electronic participation</i> ) Bill Smirle, SNC Board Member, ( <i>electronic participation</i> ) Adrian Wynands, Farmer
Regrets:	George Darouze, SNC Past Chair, ex-officio Steve Denshem, SNC Vice Chair, ex-officio David Lapen, Agriculture and Agri-Food Canada Pierre Leroux, SNC Chair, ex-officio, and United Counties of Prescott and Russell François St. Amour, SNC Board Member Doug Thompson, Public Citizen
Staff Present:	Angela Coleman, General Manager/Secretary-Treasurer Ronda Boutz, Team Lead, Special Projects Lorie Henderson, Administrative Assistant Brent Harbers, Watershed Biologist



### **CHAIRS REMARKS**

Jackie Pemberton, Committee Chair, called the Clean Water Committee meeting of September 12<sup>th</sup>, 2022 at 9:05 a.m.

### **APPROVAL OF CLEAN WATER COMMITTEE AGENDA & SUPPLEMENTAL AGENDA**

RESOLUTION NO. CWC-020/22

Moved by: Adrian Wynands  
Seconded by: Andre Pommerville

RESOLVED THAT:

The members approve the September 12<sup>th</sup>, 2022 main and supplemental agenda as amended:

- Main agenda item # 8.a., supplemental agenda item #1 be moved to follow main agenda item # 7.c.

CARRIED

### **DECLARATION OF CONFLICT OF INTEREST**

There were no declaration of conflict of interest.

**Bill Smirle joined the meeting at 9:10 a.m.**

**Terrance Sauv  joined the meeting at 9:16 a.m.**

### **SNC PROJECT UPDATE – POWERPOINT PRESENTATION**

Staff presented slides on various project and program updates.

### **COMMUNITY ENGAGEMENT: ROUNDTABLE**

- Tara Redpath informed everyone that she had attended a meeting with the City of Ottawa development review committee, with Conservation Authority staff present, where she was able to advise the group of the Ottawa Rural Clean Water Grant Program.
- Marc Lafleche advised the members that he and Andre Pommerville attended a bus tour that was hosted by the Prescott Russell Soil and Crop Association. Marc mentioned that he provided information on the Clean Water Program.

### **REQUEST FOR APPROVAL:**

### **CLEAN WATER COMMITTEE MEETING MINUTES of JUNE 6<sup>th</sup>, 2022**

RESOLUTION NO. CWC-021/22

Moved by: Rene Lalonde  
Seconded by: Glenn Mackey



RESOLVED THAT:

The Members approve the Clean Water Committee meeting minutes of June 6, 2022 as amended:

- **Project Code 2022-APL-CW09 – Manure Storage** – approved grant amount corrected to \$8,000 instead of \$5,000 and table total corrected to reflect this amount.

CARRIED

### **NEW BUSINESS**

#### **UPDATE: CONSERVATION AUTHORITY ACT UPDATES AND PROGRESS REPORT # 2**

Angela Coleman presented a PowerPoint update on the *Conservation Authority Act* and progress to date on implementing the requirements of the new provincial regulations.

#### **UPDATE: SOUTH NATION CONSERVATION STANDING COMMITTEE MEMBERSHIP**

RESOLUTION NO. CWC-022/2022

Moved by: Adrian Wynands

Seconded by: Russell Bennett

RESOLVED THAT:

The Clean Water Committee receive and file the SNC Standing Committee Membership update.

CARRIED

#### **REQUEST FOR APPROVAL: EASTERN ONTARIO WATER RESOURCES PROGRAM FINANCIAL STATEMENT FOR THE PERIOD OF JANUARY 1 – AUGUST 31, 2022**

RESOLUTION NO. CWC-023/2022

Moved by: Russell Bennett

Seconded by: Glenn Mackey

RESOLVED THAT:

The Clean Water Committee approve the Eastern Ontario Water Resources Program Financial Statement for the period of January 1 – August 31, 2022.

CARRIED



**UPDATE: SUMMARY OF CLEAN WATER PROGRAM APPLICATIONS**

A report summarizing Clean Water Program grant applications was provided for information purposes.

**CLEAN WATER PROGRAM PROJECT APPLICATIONS**

RESOLUTION NO. CWC-024/22

Moved by: Glenn Mackey  
Seconded by: Adrian Wynands

RESOLVED THAT:

The Clean Water Committee approves funding to the following projects:

Project Code	Project Type	Grant %	Grant Approved	Rating
2022-NDU-CW15	Cover Crop	N/A	\$1,000.00	24.0
2022-NDU-CW16	Well Decommissioning	100%	\$1,000.00	25.9
2022-APL-CW17	Well Decommissioning	100%	\$1,000.00	23.0
2022-NAT-CW18A	Well Decommissioning	100%	\$1,000.00	24.7
2022-NAT-CW18B	Erosion Control	50%	\$5,000.00	22.7
Total Approved			\$9,000.00	

RESOLUTION NO. CWC-025/22

Moved by: Alan Kruszel  
Seconded by: Andre Pommainville

RESOLVED THAT:

The Clean Water Committee deny funding to project code: 2022-CAS-CW19 – Erosion Control as the project is considered a low priority for funding, no additional water quality improvements were proposed from the original 2020 application.

CARRIED

**REQUEST FOR APPROVAL: EXTENSION TO PROEJCT APPROVAL DEADLINES**

RESOLUTION NO. CWC-026/22

Moved by: Rene Lalonde  
Seconded by: Marc Lafleche



RESOLVED THAT:

The Clean Water Committee approve extending project deadlines for the following projects:

**2021-APL-CW04 – Erosion Control**, grant approved at a rate of 50% to a maximum grant of \$5,000.00; project deadline extension to November 30<sup>th</sup>, 2022;

AND FURTHER THAT:

**2021-APL-CW05 – Erosion Control**, grant approved at a rate of 50% to a maximum grant of \$5,000.00; project deadline extension to November 30<sup>th</sup>, 2022;

AND FURTHER THAT:

**2021-NDU-CW29 – Erosion Control**, grant approved at a rate of 50% to a maximum grant of \$4,785.00; project deadline extension to November 30<sup>th</sup>, 2022.

CARRIED

### **SUPPLEMENTAL AGENDA**

### **OTTAWA RURAL CLEAN WATER PROGRAM PROJECT APPLICATION**

RESOLUTION NO. CWC-027/22

Moved by: Russell Benettee  
Seconded by: Glen Mackey

RESOLVED THAT:

**05 22 2381 DDA Wetland Restoration**  
The Clean Water Committee approve funding at a grant rate of 50% to a maximum grant of \$5,000.00.

CARRIED

### **DATE OF NEXT MEETING**

- November 28<sup>th</sup>, 2022 at 9:00 a.m., SNC Office.



**ADJOURNMENT**

RESOLUTION NO. CWC-028/22

Moved by: Yves Laviolette

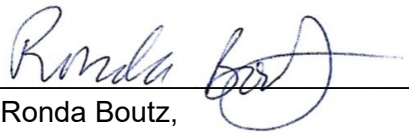
RESOLVED THAT:

The Clean Water Committee meeting of  
September 12<sup>th</sup>, 2022 be adjourned at 11:13 a.m.

CARRIED

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Jacqueline Kelly-Pemberton,  
Committee Chair.



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Ronda Boutz,  
Secretary-Treasurer.

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**To:** Standing Committees  
**From:** Carl Bickerdike, Chief Administrative Officer  
**Date:** November 21, 2022  
**Subject:** Update: Bill 23, *More Homes Built Faster Act, 2022*

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**RECOMMENDATION:**

The SNC Standing Committees receive and file the update on Bill 23, *More Homes Built Faster Act, 2022* and proposed amendments to the *Conservation Authorities Act*.

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**DISCUSSION:**

On October 25, 2022, the provincial government introduced Bill 23, *More Homes Built Faster Act, 2022*; omnibus legislation that amends ten acts including the *Conservation Authorities Act*. The Bill is currently in second reading and is before the Standing Committee on Heritage, Infrastructure and Cultural Policy for consideration.

The Bill proposes significant changes to the land use planning process in Ontario including considerable, and potentially irreversible, operational changes to municipal partners and conservation authorities.

Various amendments in the Bill:

- prohibit municipalities from entering into agreements with conservation authorities (CAs) for the review of planning applications and technical studies;
- exempt certain development projects with *Planning Act* approval from CA natural hazard development permits;
- remove the consideration of 'conservation of lands' and 'pollution' from CA natural hazard development permit decisions;
- reduce municipal development charges and freeze conservation authority fees;
- change the evaluation criteria and weaken protection for Provincially Significant Wetlands; and
- require CAs identify conservation lands that may be suitable for development.

In response to Bill 23, Conservation Ontario presented a submission to Standing Committee on November 9<sup>th</sup>, 2022. Eastern Ontario CAs have also been meeting with their partner municipalities and local MPPs to discuss impacts to municipal planning and development processes, and to coordinate responses to the proposed significant environmental policy changes.

South Nation Conservation is actively working with its municipal and CA partners to analyze and mitigate the potential impacts of Bill 23. A summary of SNC action on Bill 23 is below:

- Meeting with MPP Sarrazin and MPP Quinn attended by Executive Committee,



SNC Staff and County Staff (United Counties of Stormont, Dundas and Glengarry and United Counties of Prescott and Russell);

- Regular email updates to SNC Board of Directors, Executive, and municipal leadership;
- Press release (attached);
- Meetings with municipal CAOs and elected officials;
- Participation in Conservation Ontario working groups to coordinate response;
- Media interviews with CBC, Le Droit, and Chesterville Record; and
- Leading a coordinated Eastern Ontario submission to standing committee (draft attached).

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Staff will continue to work with member municipalities and Conservation Ontario to raise awareness and seek positive changes to Bill 23. Further updates on Bill 23 will be shared with the Board as they arise.

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Carl Bickerdike,  
Chief Administrative Officer.

**Attachments:**

Eastern Ontario CAs Respond to Bill 23 – Standing Committee Submission [Draft]

“Loss of Local Decision-Making” – Conservation Authorities Respond to Province’s Housing Bill 23 “More Homes Built Faster Act” - SNC Press Release

## Eastern Ontario Conservation Authorities

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November 15, 2022



The Honourable Doug Ford  
Premier of Ontario  
Legislative Building, Queen's Park  
Toronto, ON, M7A 1A1  
[premier@ontario.ca](mailto:premier@ontario.ca)

The Honourable Steve Clark  
Minister of Municipal Affairs and Housing  
College Park 17th Floor, 777 Bay St,  
Toronto, ON M7A 2J3  
[minister.mah@ontario.ca](mailto:minister.mah@ontario.ca)



The Honourable Graydon Smith  
Minister of Natural Resources and Forestry  
Whitney Block, 99 Wellesley St W,  
Toronto, ON M7A 1W3  
[minister.mnrf@ontario.ca](mailto:minister.mnrf@ontario.ca)

The Honourable David Piccini  
Minister of the Environment, Conservation and Parks  
College Park 5th Floor, 777 Bay St,  
Toronto, ON M7A 2J3  
[minister.mecp@ontario.ca](mailto:minister.mecp@ontario.ca)



**Re: Loss of Local Decision-Making: Bill 23 Does Not Work for Eastern Ontario**

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Dear Premier Ford, Minister Clark, Minister Smith, and Minister Piccini,

With housing affordability affecting much of Ontario, we understand your government's target to build 1.5 million new homes over the next 10 years.

Conservation Authorities (CAs) have always supported long-term sustainable growth. In fact, our role is to ensure land-use decisions made today do not impede future growth tomorrow. We accomplish this by ensuring development has minimal impacts on flooding, erosion, slope stability and water quality by guiding development away from natural hazards and protecting the function of natural features. This can only be accomplished when evaluating growth and its cumulative impacts across a watershed, which is the value and service CAs provide to municipalities. Water flows across municipal boundaries and so do the impacts of development.

In Eastern Ontario, CAs have been working closely with municipalities to reduce barriers to development and streamline processes to provide the best service possible to municipalities, communities, homeowners, and developers. For many, this includes modernizing policies and procedures, streamlining approvals, reducing timelines, meeting and reporting on service standards, and promoting pre-consultation with applicants. CAs are not a barrier to growth, but an assurance that growth is safe and sustainable, and we have been a source of cost-effective expertise for municipalities and developers for decades.

We are committed to doing our part to help increase Ontario's housing supply, but it needs to be accomplished through smart, sustainable growth that will not have detrimental impacts down the road.

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## Eastern Ontario Conservation Authorities

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We are concerned that some changes proposed in the *More Homes Built Faster Act* will:

- Weaken the ability of conservation authorities to continue protecting people and property from natural hazards such as floods;
- Diminish our ability to protect critical natural infrastructure like wetlands which reduce flooding, droughts and improve water quality in lakes and rivers; and,
- Place new downloaded responsibilities on municipalities related to natural hazards and natural resources that they are unprepared and under resourced to tackle.

We are calling on your government to press pause on the proposed changes highlighted below and to reconvene the multi-stakeholder *Conservation Authorities Working Group* that your government created. This group can help identify alternative solutions that will increase Ontario's housing supply without jeopardizing public safety or downloading additional responsibilities to municipalities. At a time when climate change is causing more frequent and intense storm events, the role and watershed mandate of CAs has never been more critical.

### Proposed Changes of Concern and Their Potential Impact:

1. If conservation authorities are no longer allowed to provide planning comments to municipalities beyond natural hazards:
  - Municipalities have indicated that they will need to contract this work out to the private sector, where there is already a limited labour market, as most do not have the expertise or capacity to take on this expanded role.
  - Municipalities anticipate higher costs, and possible delays, that will be passed on to applicants and developers. The current model enables municipalities to use existing expertise within the CAs (such as biologists, water resource engineers, ecologists, hydrogeologists) to fulfill responsibilities under the Provincial Policy Statement pertaining to natural heritage and water, while saving time and money for applicants.
  - Municipalities have shared conflict of interest concerns due to the limited availability of consultants in Eastern Ontario and shared concerns about the lack of local knowledge should they need to secure consultants from other regions.
  - Municipalities are also concerned with the loss of the watershed perspective in making planning decisions, which will result in a narrow review of the impacts to natural hazards and natural heritage. Municipalities formed CAs to address this very issue.

## Eastern Ontario Conservation Authorities

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2. If development that is subject to a planning approval is exempt from requiring a permit from the conservation authority:
  - Municipalities will assume greater responsibility and liability for the impact of development on flooding, erosion, slope stability and water quality within municipal boundaries and in upstream and downstream communities.
  - Municipalities and CAs will require more detailed studies and designs at the planning stage which are normally not required until the permitting stage. This would make planning applications more onerous and costly for developers and slow down approvals.
  - Municipalities will also have limited mechanisms to ensure compliance outside of the permitting process if development is not constructed properly.
  
3. If certain types of development are deemed “low risk” and exempted from requiring a conservation authority permit:
  - Public safety and property damage risks may not be adequately addressed as a single list of exempted activities across the province will not capture local conditions and constraints. Some activities which may be low risk in one watershed, such as fencing or auxiliary buildings, may be a significant risk in others that have retrogressive landslide areas or ravines.
  - It should also be acknowledged that CAs already have the ability to exempt or streamline review processes for activities that are low risk in their watershed and this practice is already in use by most CAs.
  
4. If the scope of conservation authority permits is narrowed to only address natural hazard issues (removal of “pollution” and “conservation of land” considerations, restrictions on conditions that can be required as part of a permit):
  - CAs may not be able to require development setbacks from water, protect naturalized shorelines or require sediment control during construction.
  - CAs would no longer be able to address water quality concerns, which are required under federally and provincially approved “Remedial Action Plans” for designated “Areas of Concern”.
  - CAs use pollution and conservation of land considerations and conditions to limit sediment and nutrient runoff into lakes and rivers that contribute to poor water quality, excessive weed growth and algae blooms. Municipalities would become responsible to address these types of concerns.

## Eastern Ontario Conservation Authorities

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- Water quality in lakes and rivers is an important economic driver in Eastern Ontario as it impacts property values, tourism, recreation, and commercial fisheries, and it is the source of drinking water for many permanent and seasonal residences.
  - CAs and municipalities would welcome a consistent definition of “conservation of land” in the new regulations, pertaining to the protection, management, and restoration of lands to maintain or enhance hydrological and ecological functions.
5. If the protection of wetlands is diminished (changes to wetland evaluation criteria, elimination of wetland complexing, reduction in the area around wetlands that is regulated, introduction of offsetting measures to compensate for wetland loss and the withdrawal of MNRF as the body responsible for wetland mapping and evaluations):
- Municipalities are concerned that the withdrawal of MNRF from administering the Ontario Wetland Evaluation System and maintaining wetland mapping will be downloaded to municipalities to manage reevaluation reports from consultants and maintain up-to-date wetland mapping that is needed for development review.
  - Municipalities and CAs are concerned that there will be a loss of wetlands that will have immediate and long-term impacts. Removing wetlands is like removing dams and reservoirs. Wetlands act as infrastructure that absorb and retain a significant volume of snow melt and rain which reduces flood levels during spring runoff and storm events. They also release this water slowly throughout the rest of the year, helping augment water levels in lakes and rivers during low flow periods which reduces drought conditions. Wetlands also filter nutrients and sediment from runoff which improves water quality.
  - These benefits are particularly important where lakes and rivers are supporting agriculture, recreation, tourism, and fisheries and acting as a source of drinking water. Municipalities and CAs could never afford to build the infrastructure it would take to replace wetland functions which is estimated to be billions.
6. If the Minister freezes conservation authority fees:
- Taxpayers, not developers, would absorb increasing costs for development review. In this scenario, growth would not be paying for growth.
  - Legislative amendments made earlier this year directed conservation authorities to demonstrate that self-generated revenue such as fees for service are considered where possible to reduce pressure on the municipal levy. This includes plan review and permitting fees that are collected to offset program costs, but not exceed them.

### Recommendations:

1. Municipalities should retain the choice to enter into agreements with conservation authorities for natural heritage and water-related plan review services.
  - Recent legislative amendments by this government now require agreements to include defined terms, timelines, and performance measures, and CAs have demonstrated that they can provide these comments to municipalities in a cost-effective and timely manner. CAs are also already prevented by these earlier amendments from commenting beyond natural hazards if they do not have an agreement with a municipality.
2. Development that is subject to plan approval should not be exempt from requiring a conservation authority permit.
  - The planning process is not sufficient to ensure natural hazard concerns are addressed through appropriate design and construction. This change would also place additional responsibility and liability on municipalities.
3. Conservation authorities should determine which types of developments are deemed “low risk” through their regulations policies.
  - CAs are already able to create exemptions and streamline review processes that are appropriate locally, given watersheds have unique conditions.
4. Maintain “pollution” and “conservation of land” as considerations when conservation authorities are reviewing permit applications but provide a clear definition of each to ensure a consistent approach on how it is applied.
  - Streamlining these definitions will allow CAs to provide consistency to municipalities and developers and meet obligations under other pieces of legislation that require water quality-related comments from CAs.
5. Continue to protect wetlands to reduce flooding, provide flow augmentation.
  - Wetlands are critical pieces of natural infrastructure and municipalities cannot afford to build the infrastructure it would take to replicate wetland function to protect upstream and downstream communities from flooding and drought.
6. Do not freeze fees to ensure growth pays for growth.
  - Recent legislative amendments by this government now require CAs to demonstrate through their budget process that development review fees are offsetting, but not exceeding, program costs.

## Eastern Ontario Conservation Authorities

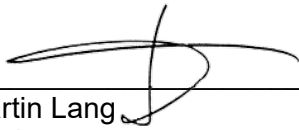
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Thank you for the opportunity to share our concerns and recommendations with you.

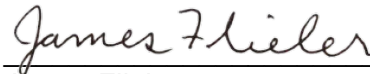
Our goal is to support you in creating more housing in Ontario while ensuring changes to Ontario's land use planning and permitting system do not have unintended and irreversible consequences on the protection of people, property, and natural resources.

We sincerely hope that you will remove the amendments we have highlighted from Bill 23 before it is passed, and that you will reconvene your government's *Conservation Authorities Working Group* to work with your Ministry to propose alternative improvements and refinements to conservation authority development review processes.

Sincerely,



Martin Lang  
Chair  
Raisin Region Conservation Authority



James Flieler  
Chair  
Quinte Conservation Authority



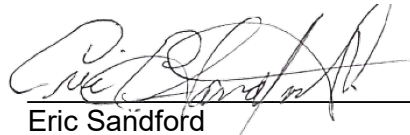
Pierre Leroux  
Chair  
South Nation River Conservation Authority



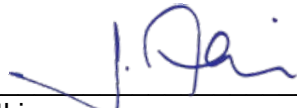
Jan O'Neill  
Chair  
Crowe Valley Conservation Authority



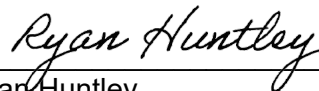
Pieter Leenhouts  
Chair  
Rideau Valley Conservation Authority



Eric Sandford  
Chair  
Lower Trent Conservation Authority



Jeff Atkinson  
Chair  
Mississippi Valley Conservation Authority



Ryan Huntley  
Chair  
Otonabee Region Conservation Authority



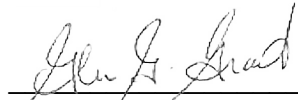
Paul McAuley  
Chair  
Cataraqui Region Conservation Authority




Mark Lovshin  
Chair  
Ganaraska Region Conservation Authority



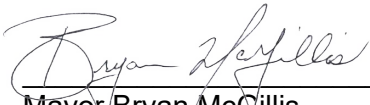
This letter has also been endorsed by the following municipal partners:



Mayor Glen Grant  
City of Cornwall



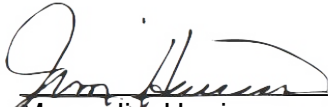
Warden & Deputy Mayor Carma Williams  
Township of North Glengarry



Mayor Bryan McGillis  
Township of South Stormont



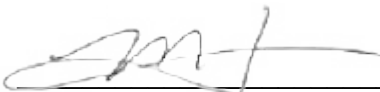
Mayor Genevieve Lajoie  
Municipality of Casselman



Mayor Jim Harrison  
City of Quinte West



Mayor Brian Ostrander  
Municipality of Brighton



Mayor Marg Isbester  
Town of Greater Napanee



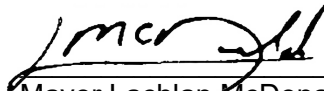
Mayor Mario Zanth  
City of Clarence-Rockland



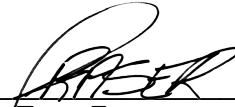
Councillor George Darouze,  
City of Ottawa



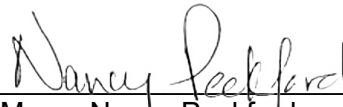
Mayor Francois Landry  
Township of North Stormont



Mayor Lachlan McDonald  
Township of South Glengarry



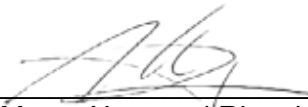
Mayor Tony Fraser  
Township of North Dundas



Mayor Nancy Peckford  
Municipality of North Grenville



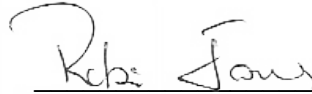
Mayor Tory Deschamps  
Township of Edwardsburgh Cardinal



Mayor Normand Riopel  
Township of Champlain



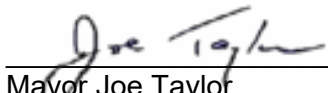
Mayor Pierre Leroux  
Township of Russell




Mayor Robin Jones  
Village of Westport




Mayor Francis Briere  
Nation Municipality

  
Mayor Joe Taylor  
Township of Otonabee-South Managhan

  
Mayor Bob Mullin  
Township of Stirling-Rawdon

  
Mayor Michael Cameron  
Village of Merrickville-Wolford

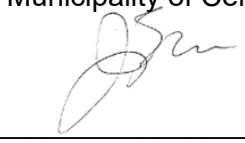
  
Reeve Rob Rainer  
Tay Valley Township

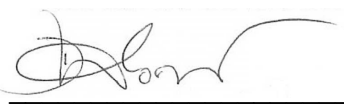
  
Mayor Ron Vandewal  
Township of South Frontenac

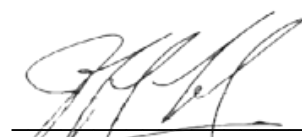
  
Mayor Christa Lowry  
Municipality of Mississippi Mills


  
Reeve Peter McLaren  
Township of Lanark Highlands


  
Mayor Tom Deline  
Municipality of Centre Hastings

  
Mayor Judy Brown  
Town of Perth

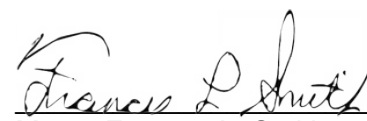
  
CAO Darlene Noonan  
Township of Athens

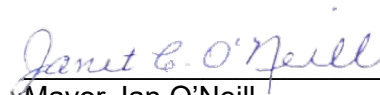
  
Mayor Jeff Leal  
City of Peterborough


  
Mayor Mandy Martin  
Township of Cramahe

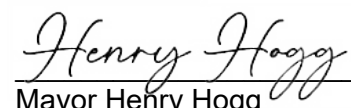
  
Reeve Steve Fournier  
Township of Drummond/North Elmsley

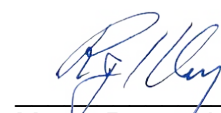
  
Mayor Arie Hoogenboom  
Township of Rideau Lakes

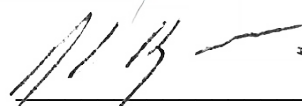
  
Mayor Frances L. Smith  
Township of Central Frontenac

  
Mayor Jan O'Neill  
Municipality of Marmora and Lake

  
Mayor Shawn Pankow  
Town of Smiths Falls

  
Mayor Henry Hogg  
Township of Addington Highlands

  
Mayor Roger Haley  
Township of Front of Yonge

  
Mayor James Hegadorn  
Loyalist Township



## **“Loss of Local Decision-Making” – Conservation Authorities Respond to Province’s Housing Bill 23 “More Homes Built Faster Act”**

November 2, 2022

In a bid to address the housing supply, the Ontario government released a series of proposed legislative changes, many of which impact Ontario’s 36 Conservation Authorities.

Among them, the Province proposes to prevent municipalities from entering into agreements with Conservation Authorities (CAs) to review planning applications on their behalf, proposes exemptions from natural hazard permits for select municipalities, removes ‘conservation of lands’ and ‘pollution’ as considerations in permit decisions, freezes development fees, changes the evaluation and protection criteria for Provincially Significant Wetlands and requires CAs to identify conservation lands suitable for development.

Earlier this year, the Province published a “Housing Affordability Task Force Report” that introduced 55 recommendations to increase house supply in Ontario. CAs were not named within the report, demonstrating they are already proactively working with the development industry and all levels of government to ensure safe and sustainable development can occur while balancing the needs of people and the environment, the economy and ecology.

“Conservation Authorities are not a barrier to growth and CAs in high-growth areas of the province are already participating in a Timely Review Task Force with service level commitments of 14, 21, and 28 day reviews, compared to the Province’s 30 and 90 day timelines,” explains George Darouze, Deputy Mayor and Councillor, Osgoode Ward, City of Ottawa.

Bill 23 is a departure from recent amendments to the *Conservation Authorities Act* that directed CAs to focus their work on natural hazard related programs but allows municipalities to choose whether CAs provide technical advice based on their local needs and deliver programs in their municipalities through funding agreements.

“Our Conservation Authority works as our municipality’s environmental partner,” explains Mario Zanth, Mayor of the City of Clarence-Rockland, “CA staff have rolled out the red carpet to help provide timely development approvals to projects in environmentally significant areas. After the Ottawa River floods of 2017 and 2019, people understand the value and impact of the services they provide.”

While CAs are created through provincial legislation, they are largely funded and work for municipalities within their watersheds. South Nation Conservation (SNC) is one of the oldest environmental agencies in Ontario and has continued to expand its jurisdiction at the request of municipalities, first along the St. Lawrence River, and more recently, along the Ottawa River.

In Clarence-Rockland, an obvious step after the historic Ottawa River floods was to partner with the CA to complete updated natural hazard maps and to contract SNC to review



development proposals on their behalf. The result has been a clear win-win for both organizations and the development community to help design sustainable communities, away from natural hazards, while protecting key natural heritage areas.

In Eastern Ontario, SNC has agreements with neighbouring agencies to streamline development review processes and deliver planning services to help municipalities short on resources meet their provincial requirements. Recently, SNC also expanded its septic system program into Leeds-Grenville to help municipalities meet their requirements under the Ontario Building Code after the local Health Unit stopped delivering this service.

These arrangements provide a watershed-based approach to land use planning decisions and coordinate resources to save taxpayer costs. SNC provides shared expertise instead of each of its 16 municipalities having their own hydrogeologist, biologist, and engineers.

“We have a long-standing and positive working relationship with SNC and we appreciate their feedback and expertise in helping us make good planning decisions,” added Pierre Leroux, Mayor of Russell Township, “the CA is a valued partner in providing valuable services to our community.”

Bill 23 also proposes changes to the classification and protection of Provincially Significant Wetlands (PSWs), areas where development activities require permission from CAs. SNC, unlike other CAs, only regulates development within PSWs and Locally Significant Wetlands (LSWs) that are studied and zoned locally by municipalities for protection. Wetlands minimize the risk of drought, reduce flooding by absorbing and storing excess water and help control erosion. The proposed changes will reduce the area of protected wetlands on the local landscape which means more potential for impacts to communities from flood and drought.

“SNC’s approach of supporting the municipality’s decisions regarding the required environmental protections and studies allows for local decision-making,” explains Steve Densham, Deputy Mayor Elect of the Township of North Stormont, “additionally, given the economies of scale with our CA, we benefit from lower cost and expertise that can efficiently and effectively meet our needs.”

#### FOR MORE INFORMATION:

Carl Bickerdike, Chief Administrative Officer, South Nation Conservation,  
[cbickerdike@nation.on.ca](mailto:cbickerdike@nation.on.ca) | 1877-984-2948.



**To:** Standing Committees  
**From:** Ronda Boutz, Secretary-Treasurer  
John Mesman, Managing Director, Property, Conservation Lands, and  
Community Outreach  
**Date:** November 16, 2022  
**Subject:** Request for Approval: Programs and Services Work Plan  
for Municipal Engagement

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**RECOMMENDATION:**

The Standing Committees approve the Programs and Services Work Plan for Municipal Engagement as presented.

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**DISCUSSION:**

The Province implemented the first phase of *Conservation Authorities Act* ("Act") regulations in October 2021. The regulations require each conservation authority have a transition plan in place by December 31<sup>st</sup>, 2021 and create an inventory of programs and services by February 28<sup>th</sup>, 2022.

South Nation Conservation's ("SNC") inventory lists programs and services SNC delivers as of February 2022 and programs and services SNC intends to deliver in the future. As per the Act, Programs and Services are divided into categories as follows:

- **Category 1: Mandatory programs and services** required by regulation. These programs are funded through municipal levy and include:
    - Programs and services related to the risk of natural hazards;
    - Programs and services related to the conservation and management of lands owned or controlled by the authority;
    - Programs and services related to the authority's duties, functions and responsibilities as a source protection authority under the *Clean Water Act, 2006*; and
    - Programs and services related to the authority's duties, functions and responsibilities under an Act prescribed by the regulations.
  - **Category 2: Municipal programs and services** provided at the request of a municipality. These programs can be funded through government and other agency grants and/or municipal funding under a memorandum of understanding or agreement with the municipality.
  - **Category 3: Other programs and services** the conservation authority determines are advisable. These programs can be funded through self-generated revenue, user fees, government and other agency grants, donations, etc. Any use of municipal levy requires an agreement and would be subject to cost apportionment.
-



SNC has a few program and service areas that fall within Category 3, namely the Tree Planting Program, Clean Water Program, Forest Land Acquisition, and any educational and/or outreach initiatives that are not related to Category 1 programs and services (e.g., Community Environmental Grants, Fish Camps, Youth Hunt, and Municipal Free Tree Days). The Tree Planting Program has external funding to offset costs but currently requires funding from municipal levy to support program delivery and reporting.

As of January 1<sup>st</sup>, 2024, Category 3 programs and services will need municipal agreements outlining cost apportionment for any municipal levy required for program delivery. As part of the work plan for implementation of Category 3 – Other Programs and Services, SNC is committed to engaging with its Standing Committees for stakeholder input and confirmation of public support (BD-069/22).

Standing Committee member connections to various stakeholder groups is key in building support for ongoing delivery of Category 3 programs and services. This is important with the recent Municipal election, as new Councillors may not be familiar with SNC and its landowner stewardship initiatives.

Staff have prepared the attached Programs and Services Work Plan for Municipal Engagement for the Committee's consideration.

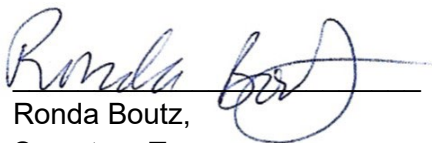
**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget:

No impact on the 2022 Budget.

SNC Policy Adherence:

Subsection 21.1.2(2) of the *Conservation Authorities Act* enables SNC to provide other programs and services, under an agreement with municipalities within its area of jurisdiction, where the municipality has agreed to provide cost apportionment to support the identified programs and/or services.

  
Ronda Boutz,  
Secretary-Treasurer.

  
John Mesman,  
Managing Director, Property, Conservation  
Lands, and Community Outreach.

Attachment: SNC Programs and Services Work Plan for Municipal Engagement





### SNC Programs and Services Work Plan for Municipal Engagement

Engagement Activity	SNC Lead	Committee Engagement	Timeline
<b>CATEGORY 1</b>			
Prescribed under the Act, no engagement required for mandated programs and services.	Management Team	None required, direct any inquiries to the SNC Management Team	Ongoing
<b>CATEGORY 2</b>			
SNC's Management Team routinely meets with municipalities to discuss opportunities to support municipal programs and services. Agreements/Memorandums of Understanding are approved as program/service delivery is negotiated.	Management Team	None required, direct any inquiries to the SNC Management Team	Ongoing
<b>CATEGORY 3</b>			
Development of business cases for each type of program and service proposed as of January 2024.	Ronda Boutz and John Mesman	Provide testimonials and/or any local data. Committee review and approval of business cases.	February 2023
Meetings with key municipal staff to discuss business case and municipal apportionment required.	Management Team	Committee updates and discussion.	March – April 2023
Category 3 program and services package to Board of Directors for approval prior to engaging with municipal councils.	Ronda Boutz and John Mesman	Committee support at Board of Directors meeting.	March 2023
Presentations to Councils to request approval to enter into a Category 3 agreements.	Ronda Boutz and John Mesman	Attendance and co-presentation of programs and services package.	April – July 2023
Category 3 agreements prepared and signed.	Ronda Boutz, Eric McGill, and John Mesman	Updates provided to Committee, Terms of Reference Updates following approval.	August – November 2023



**To:** Clean Water Committee  
**From:** Ronda Boutz, Team Lead, Special Projects  
**Date:** November 21, 2022  
**Subject:** Request for Approval: Eastern Ontario Water Resources Program  
2022 Financial Statement – as of October 31<sup>st</sup>, 2022

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**RECOMMENDATION:**

The Clean Water Committee approve the Eastern Ontario Water Resources Program Financial Statement for the period of January 1 – October 31, 2022.

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**DISCUSSION:**

The 2022 Eastern Ontario Water Resources Program Financial Statement, as of October 31, 2022, is attached.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Funding for the Eastern Ontario Water Resources Program was included in the 2020 Budget under Resource Management: Partner Programs: Water on pages 18-19.

SNC Policy Adherence: All expenditures for the Eastern Ontario Water Resources Program (EOWRP) adhere to the SNC Purchasing Policy and the approved EOWRP Budget.

Ronda Boutz,  
Team Lead, Special Projects.

Attachments: 2022 Financial Statement – as of August 31<sup>st</sup>, 2022





## **2022 Financial Statement – as of October 31<sup>st</sup>, 2022**

United Counties of Prescott-Russell	\$25,000
City of Ottawa	\$50,000
Carry-over of 2021 dollars	\$20,601
<b>TOTAL REVENUE</b>	<b>\$95,601</b>

<b>Expenses:</b>	<b>2022 Budget</b>	<b>Expenses as of Oct. 31, 2022</b>	<b>Forecast to Dec. 31, 2022</b>	<b>Funds carried to 2023 Budget<sup>6</sup></b>
1. <b>EOWRP Project Management<sup>1</sup></b>	\$4,500	\$4,000	\$4,500	\$0
2. <b>EOWRP Committee<sup>2</sup></b>	\$1,601	\$353	\$1,601	\$0
3. <b>2020/2021 EOWRP Projects<sup>3</sup></b>				
a) 2020: Lagoon Effluent Tree Irrigation and Evapo-transpiration Study	\$3,000	\$3,000	\$3,000	\$0
d) 2021: South Nation Conservation Assessing future flood vulnerability in the South Nation River Watershed	\$9,000	\$0	\$9,000	\$0
4. <b>2021/2022 Special Projects<sup>4</sup></b>				
a) 2021: South Bear Brook Catchment Study	\$8,000	\$0	\$8,000	\$0
b) 2022: UCPR: Floodplain Mapping	\$25,000	\$25,000	\$25,000	\$0
c) 2022: Advancing Early Warning Tools in the SNR Watershed	\$25,000	\$0	\$5,000	\$20,000
5. <b>2022 Grants<sup>5</sup></b>				
a) Eastern Ontario Children's Water Festival	\$3,600	\$0	\$3,600	\$0
b) Passive Filter for Phosphorus and Ammonia Polishing Field Study	\$2,000	\$0	\$2,000	\$0
c) South Nation Conservation Climate Station	\$12,000	\$0	\$12,000	\$0
d) Unallocated funds	\$1,900	\$0	\$0	\$1,900
<b>TOTAL EXPENSES</b>	<b>\$95,601</b>	<b>\$32,353</b>	<b>\$73,701</b>	<b>\$21,900</b>

<sup>1</sup> South Nation Conservation provides project management services to EOWRP to facilitate the Project Grants; this includes developing project application materials, coordinating call for proposals, administering grants to approved projects. Funding from City of Ottawa 2021 EOWRP contribution.

<sup>2</sup> Meeting expenses for appointed EOWRP members on the Clean Water Committee.

<sup>3</sup> EOWRP grants approved in 2021 and to be completed in 2022.

<sup>4</sup> EOWRP Special Projects in 2022 identified by the EOWRP funding contributor.

<sup>5</sup> City of Ottawa earmarked \$19,500 of their \$50,000 2022 contribution for grants to be allocated through a grant proposal submission. Projects reviewed and approved at the June 6, 2022 meeting.

<sup>6</sup> Unspent funds to be carried forward to the 2023 Budget for project completion.

# Eastern Ontario Children's Water Festival 2022



River Institute Education  
For  
Eastern Ontario Water Resources Program  
November 16<sup>th</sup>, 2022

## **Background**

The St. Lawrence River Institute of Environmental Sciences (River Institute) has been coordinating the Eastern Ontario Children's Water Festival since 2002. Our Festival is one of the 25 Children's Water Festivals offered throughout Ontario that aims to educate young people about the importance of protecting our water resources. Our bilingual, multi-day Festival normally takes place throughout the year at 3 different venues—Spencerville, Casselman and Cornwall. Our Water Festival consists of 25 Water Discovery Centre designed to complement the grade 4 Ontario curriculum; delivered by trained high school students. Guest presenters are invited to each Festival to also deliver water-related messaging and activities.

In 2022, EOWRP approved funding of \$3,600 for retroactively support our virtual festivals as well as the development of a new station to teach children about accessibility to clean drinking water in Canada. Funding was also approved for filming and editing instructional videos in English and French, that will be used to train high school students. This report outlines the activities, outcomes, and expenditures associated with the Water Festival.

We recommend that the Clean Water Committee approves the final report and expenditures of \$3,600 for the Eastern Ontario Children's Water Festival in 2022.

### **2022 Virtual Water Festival Outcomes:**

The 2022 Eastern Ontario Children's Water Festival was presented online via livestream on YouTube. Two festivals were livestreamed from the River Institute, one in English on Thursday May 12<sup>th</sup> and one in French on Friday May 13<sup>th</sup>. In total, just over 1,000 students and 44 teachers participated in the festival this year.

Our English online festival reached 601 students from just over 20 different schools. Participants were from areas including: Cornwall, Williamstown, Long Sault, Winchester and Avonmore. Students learned about general water trivia, groundwater, and aquatic invertebrates from River Institute scientists and had guest presentations from the Prescott Fire Department, Water Rangers, South Nation Conservation Authority and more. The day finished up with presentations from Holy Trinity student volunteers.

Our French Online Festival reached 413 students from 13 different schools. Participates were from areas including: Cornwall, Alexandria, St. Eugene, and Embrun. Students learned about ocean acidification, how wells work, water quality and more from River Institute scientists. Participants were also able to learn from 13 groups of students from École Secondaire Catholique de Casselman who prepared some funny and educational videos presenting our stations on fish lifecycles, septic systems, runoff and recharge and more!

If you'd like to view the recordings of our 2022 Virtual Festivals in English and French you can contact the festival coordinator Alanna at [aakkermans@riverinstitute.ca](mailto:aakkermans@riverinstitute.ca) for the links.

Teachers who participated received water festival kits with the materials to do 5 stations in class including a Water Rangers Tiny Kit. Additionally, one teacher, one elementary student and one high school student received a prize. The teacher prize was a full-size Water Ranger test kit, the elementary student prize was an adventure backpack filled with field equipment and the high school student prizes were Bluetooth speakers.

## Filming Outcomes

Filming took place over 5 different days to get the content covered for the 22 of the 29 stations. It was decided that the content and activities for the remaining 7 stations will be updated for the upcoming festivals. Editing happened over the course of an additional 5 days. Filming and editing for the French training videos will be completed for the spring 2023 festivals. Filming for the updated stations will take place after updates are complete.

If you'd like to view the festival training series you can contact the festival coordinator Alanna at [aakkermans@riverinstitute.ca](mailto:aakkermans@riverinstitute.ca) for the link.

## New Station Outcomes

Our new station is to teach children about accessibility of clean, drinkable water, how difficult & expensive it is to actually clean water, and about the unequal distribution of clean water in Canada (Indigenous communities have significantly less access to drinkable water). This station is called "Would You Drink That?", students are given "water festival" dollars that they can spend on one type of equipment to clean their water. Examples of the things they can buy are: a sponge, a spoon, a coffee filter, or a camping water filtration device. Each item is priced based on its effectiveness to clean the water (the more efficient and effective the equipment, the higher the cost). If students have money left over, they can purchase extra time to clean their water. Once each team has their equipment, they have 1 minute to clean their water sample (or more time if they have purchased some). The goal is for students to pretend that they are a community and need to find a solution to have clean water in their town, they have a limited budget and the more money they spend, the less money they will have for something else in their community.

The 2022 EOWRP funds were allocated towards the costs of staffing costs, equipment, and admission as follows:

Expense	Program Funding	Lead/Partner Funding	Total
Staffing Costs: for filming and editing + creating new station	2500	4000	6500
Transportation: gathering supplies	250	500	750
Administrative Costs: overhead office costs	250	1000	1250
Program Materials: equipment for new station and replacement pieces for filming.	600	3750	4350

\*Note: The River Institute also receives funding for Water Festivals from Ontario Power Generation, TD Canada Trust Friends of the Environment, TransCanada Corporation. In kind contributions are provided by the River Institute.



# **Passive Filter for Phosphorus and Ammonia Polishing Field Study**

**Nov 17<sup>th</sup>, 2022**

Chris Kinsley, Ph.D., P.Eng. & Sumanth Rajashekar, B.Sc.Eng.  
Ontario Rural Wastewater Centre  
Department of Civil Engineering  
University of Ottawa



uOttawa

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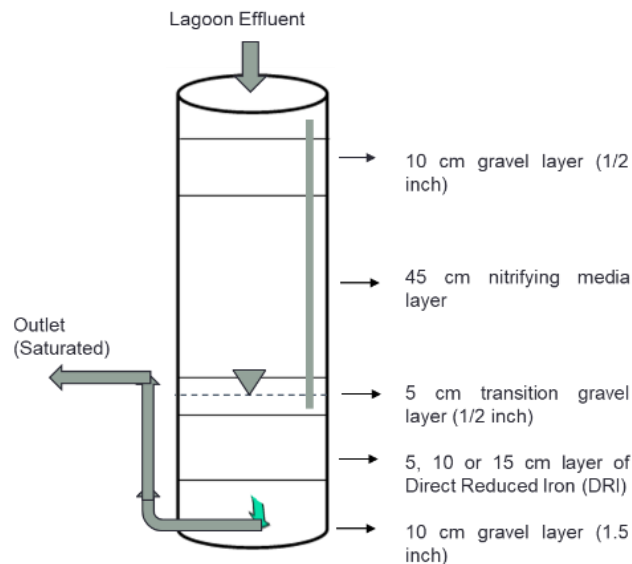
## 1. Project Background and Objectives

Effluent criteria for discharge of municipal wastewater systems are becoming increasingly strict as municipal discharge permits are updated. The two parameters of greatest concern are phosphorus and ammonium. Total Phosphorus (TP) limits are increasingly set at 0.3 mg/L, which is difficult to achieve with conventional coagulation, while nitrification (conversion of ammonium) is not consistently achieved in lagoon systems.

The project objective is to develop a passive filter to polish municipal lagoon to nitrify ammonium and to adsorb phosphorus in addition to removing any residual suspended solids and organic matter (BOD).

## 2. Experimental Methods

The pilot system was established in fall of 2021 and evaluated over the 2022 operating season (May – November). Three filters were established with three different nitrifying media (Crushed Recycled Glass, Filter Media Sand and Elgin Sand) and three depths of Direct Reduced Iron (DRI) P adsorption media. The filters were dosed at a high hydraulic loading rate of 24 cm/d with wastewater from the Alfred Lagoon.



**Figure 1. Pilot filter schematic and photo**

The wastewater was spiked with ammonium chloride to create a high ammonium wastewater.

Weekly samples were collected from the three filters and analysed at the University of Ottawa's Environmental Engineering Laboratory for Total phosphorus, ortho-phosphorus, total nitrogen, ammonium, nitrate, organic matter and suspended solids.

### 3. Results and Discussion

The average results are presented below in Table 1. The filters performed very well in removing both total phosphorus (TP) and ortho-phosphorus (SRP). The Filter Media (FM) and Elgin (EG) sands performed in a similar manner with 85 and 87 % removal of TP and 95 and 94% removal of SRP, respectively while the Recycled Glass (RG) did not perform as well. The filters were also effective at reducing  $\text{NH}_4^+\text{-N}$  with 76, 75 and 61 % removal observed in FM, EG and RG filters, respectively. All filters were effective at polishing both COD and TSS to below and potential discharge criteria with FM and EG performing better than RG.

**Table 1. Filter Performance Treating Municipal Lagoon Effluent**

	<b>Avg. (mg/L)</b>	<b>St.Dev. (mg/L)</b>	<b>Percent Removal</b>
<b>TP</b>			
Lagoon	0.81	0.33	-
FM	0.12	0.06	85
EG	0.10	0.07	87
RG	0.18	0.09	78
<b>SRP</b>			
Lagoon	0.43	0.15	-
FM	0.02	0.01	95
EG	0.03	0.02	94
RG	0.05	0.05	89
<b>NH<sub>4</sub>-N</b>			
Lagoon	10.7	3.3	-
FM	2.5	1.2	76
EG	2.7	1.5	75
RG	4.2	2.7	61
<b>COD</b>			
Lagoon	60	17	-
FM	34	12	44
EG	35	16	41
RG	45	18	24
<b>TSS</b>			
Lagoon	7.7	4.9	-
FM	3.5	3.6	54
EG	3.8	2.3	51
RG	4.5	3.2	41

The project expenditures are described below with matching funding provided by the University of Ottawa through Dr. Kinsley's NSERC Discovery Grant. Project partners are the Township of Alfred-Plantagenet and Ontario Clean Water Agency.

**Table 2. Project Expenditures**

<b>Expenditure</b> (provide detailed breakdown)	<b>Program Funding</b>	<b>Lead/Partner Funding</b>	<b>Total</b>
Site Establishment	\$500	\$4,500	\$5,000
Mileage (20 trips@150km x \$0.57/km)	\$1,500	\$210	\$1,710
Student Labour		\$6,000	\$6,000
Field Sampling and Lab Supplies		\$3,000	\$3,000
<b>Total</b>			\$15,710

**Recommendation: “The Clean Water Committee approve the final report and expenditures of \$2000 for the Passive Filter for Phosphorus and Ammonia Polishing Field Study in 2022.”**





**To:** Clean Water Committee  
**From:** Katherine Watson, Water Resources Specialist  
**Date:** November 16, 2022  
**Subject:** Update and Approval: SNC Eastern Ontario Water Resource Program Projects

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**RECOMMENDATION:**

The Clean Water Committee receive and file the final report for the South Bear Brook Catchment Study; and

FURTHER THAT: The Committee approve the following expenditures in 2022:

1. Completion of the South Bear Brook Catchment Study: \$8,000;
2. Purchase of equipment for a climate station to be installed in the Bear Brook Watershed: \$12,000;
3. The development of flow rating curves for the Advancing Early Warning Tools in the SNR Watershed project: \$5,000; and
4. Completion of the Assessing Future Flood Vulnerability in the South Nation River Watershed project: \$9,000 and

FURTHER THAT: The Committee approve to carry forward funds of \$20,000, for the Advancing Early Warning Tools in the SNR Watershed project, to the 2023 Budget for project completion.

**DISCUSSION:**

South Nation Conservation (SNC) has undertaken several initiatives in 2022 to assess the condition of the South Bear Brook Catchment, as well as fill in data gaps associated with understanding flows in the Bear Brook Watershed. Projects include the development of a South Bear Brook Catchment Study, development of rating curves for surface water flow stations in Bear Brook and installation of a flow gauge at the City of Ottawa municipal boundary.

SNC has also undertaken several initiatives in 2022 to assess the impact of climate change on water resources in the South Nation River watershed. Funding for these projects is partially provided by the Eastern Ontario Water Resources Program (EOWRP).

The South Bear Brook Catchment Study involved the collection of baseline surface water quantity and quality data to support City of Ottawa watershed reporting initiatives, and recommendations for best management practices to protect and enhance water resources. All work has been completed related to the South Bear Brook Catchment Study and a final report is available. This report will be presented to the Clean Water Committee.

Through an analysis of available water information in the Bear Brook Watershed, it was identified that additional water quantity data is needed. A climate station was installed in 2022, at Hall Road in the City of Ottawa, that included a water level radar. Flow rating



curves are presently being developed for this station under the Advancing Early Warning Tools Project. Staff initiated flow monitoring in 2022, however, additional work will be completed in 2023.

Additionally, there is a need to understand surface water flows as the River exits the City of Ottawa and flows downstream to the United Counties of Prescott Russell. Staff are working with the City of Clarence Rockland to install a flow station at the municipal boundary. This information will contribute to the completion of a Bear Brook Watershed Study. Equipment has been purchased in 2022 with EOWRP funds, and equipment will be installed in 2023.

SNC received funding in 2022 from the Eastern Ontario Water Resources Program for the completion of a project to assess future flood vulnerability within the South Nation River watershed. SNC hired Aquanty to complete a climate change module that will supply 2050 and 2100 analysis of results for surface water flow, groundwater levels, and groundwater recharge. Results will be presented in SNC's HydroGeosphere Realtime Platform. Work will be completed by the end of the year.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Studies are included in the 2022 Budget under Approvals, Projects: Subwatershed Studies, page 68-69.

SNC Policy Adherence: All purchases follow the SNC Purchasing Policy for purchases \$10,000 to \$25,000.

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Katherine Watson,  
Water Resources Specialist.

05-22-2401-DDA

Grant Request  
90% of \$5,720.00  
= \$5,148.00

**5. Where did you hear about the Ottawa Rural Clean Water Program?**

Agency Referral

**6. Number of Livestock**

☒ Not Applicable

Please indicate type (e.g. beef, dairy, poultry, hogs, etc.) and number of all livestock (e.g. # cows, # heifers, # calves, # hens, # pullets, # sows, etc.) that pertain to the proposed project

**7. Additional Information**

Please refer to the Project Guidelines for your proposed project and the Program Guide for additional information on project eligibility, Program requirements, and the application review process. Copies of these documents will be provided to you by Program staff.

**8. Existing Situation**

What is the water quality impact of your current situation? Please be as specific as possible

Currently upper Castor River is primarily silty & cloudy stream water as a result of quick run-off. There is also fertilizer, pesticide & manure runoff occurring as a result of this farm & farms in vicinity. On the property, invasive species of trees & scrub bush are encroaching on waterway. There are no trees along watercourse to shade & prevent erosion along riverbank. Currently little to no riparian zone along river.

Name of watercourse: Upper Castor River

Distance from the watercourse: 0-300m

☒ River, stream or creek ☐ Municipal drain ☐ N/A - Groundwater

**9. Proposed Project**

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

Planting riparian zones along the waterway to help combat & slow down runoff of fertilizer, pesticide & manure. Planting trees along riverbank for future shade & to prevent erosion. Planting tree types that will thrive in these types of zones & are....

Total estimated cost (excluding taxes): \$22,566

(An itemized quote must accompany your application)

Have you applied for or received other funds for this project?

☒ Yes ☐ No

If yes, indicate source(s): Forest Ontario

Amount: \$ 8,616

other source: Green Acres

Amount: \$ 4,170

00035

Grant Request:  
8.5 acres x \$150.00/acre/yr  
For 3 yrs.  
Total = \$1,275.00  
Per 3 yrs

05 22 2401 DDB

5. Where did you hear about the Ottawa Rural Clean Water Program?

Agency Referral

6. Number of Livestock

☒ Not Applicable

Please indicate type (e.g. beef, dairy, poultry, hogs, etc.) and number of all livestock (e.g. # cows, # heifers, # calves, # hens, # pullets, # sows, etc.) that pertain to the proposed project

7. Additional Information

Please refer to the Project Guidelines for your proposed project and the Program Guide for additional information on project eligibility, Program requirements, and the application review process. Copies of these documents will be provided to you by Program staff.

8. Existing Situation

What is the water quality impact of your current situation? Please be as specific as possible

Water Quality & soil erosion are currently a problem as a result of erosion from quickly moving water and wind. We currently have little to no wind breaks on our farm making these problems worse every year. The wind breaks we do have now are made of ash and elm trees and are dying quickly. The spread of invasive plants are also a problem along the watercourse and bush line and we would like to slow that down as much as possible.

Name of watercourse: Upper Castor River

Distance from the watercourse: 0-300 m

☒ River, stream or creek ☐ Municipal drain ☐ N/A - Groundwater

9. Proposed Project

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

We are planning to build up all interior tree lines on the property with rows of conifer trees to help prevent erosion from wind, water run off and snow drifts. We will also be planting blocks of conifers with wind rows of cedar in front to try & slow down....

Total estimated cost (excluding taxes): \_\_\_\_\_ (An itemized quote must accompany your application)

Have you applied for or received other funds for this project? Yes ☐ No ☐

If yes, indicate source(s): \_\_\_\_\_ Amount:\$ \_\_\_\_\_

other source: \_\_\_\_\_ Amount:\$ \_\_\_\_\_

00036



05-22-2401 DDC

Grant Request: 75% of  
\$4,560.00  
= \$3,420.00

**5. Where did you hear about the Ottawa Rural Clean Water Program?**

Agency Referral

**6. Number of Livestock**

☒ Not Applicable

Please indicate type (e.g. beef, dairy, poultry, hogs, etc.) and number of all livestock (e.g. # cows, # heifers, # calves, # hens, # pullets, # sows, etc.) that pertain to the proposed project

**7. Additional Information**

Please refer to the Project Guidelines for your proposed project and the Program Guide for additional information on project eligibility, Program requirements, and the application review process. Copies of these documents will be provided to you by Program staff.

**8. Existing Situation**

What is the water quality impact of your current situation? Please be as specific as possible

There is an agricultural drainage ditch surrounding the property between property lines. Water Quality as expected. Likely contains high amounts of fertilizers, pesticides and sediment. Planting a windbreak will hopefully aid in absorbing some of these contaminants.

Name of watercourse: Drainage Ditch

Distance from the watercourse:

☐ River, stream or creek

☒ Municipal drain

☐ N/A - Groundwater

**9. Proposed Project**

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

Planting windrows of eastern white cedar around the property to act as a natural windbreak & help prevent wind damage & soil erosion in the future. It will also be next to a drainage ditch & will be designed to aid erosion caused by water.

Total estimated cost (excluding taxes): \$6,685

(An itemized quote must accompany your application)

Have you applied for or received other funds for this project?

☒ Yes ☐ No

If yes, indicate source(s): Forest Ontario

Amount: \$ 2,125

other source:

Amount: \$

00037



**To:** Clean Water Committee  
**From:** Ronda Boutz, Secretary-Treasurer  
**Date:** November 21, 2022  
**Subject:** Summary of Clean Water Program Grant Applications

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**RECOMMENDATION:**

No recommendation, this report is for information purposes.

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**DISCUSSION:**

As per the Committees decision at the March 3<sup>rd</sup>, 2022 meeting; projects have been rated under the 2022 rating sheets. A project must achieve a minimum rating score of 21.5 points to be allocated funding at the June, September, and November 2022 Committee meetings. Projects scoring between 15.0 – 21.4 will be placed on a waiting list for consideration at the November meeting if funding is available. To be eligible for funding consideration, a project must achieve a minimum rating score of 15 points.

A list of project applications to date is attached for the Committee's information. As per the approved Clean Water Program budget, a total of \$60,000 is available for grants in 2022.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Clean Water Program is included in the approved 2022 Budget under Resource Management: Partner Programs: Water on pages 18-19.

SNC Policy Adherence: Allocation of grants adheres to SNC's Purchasing Policy, signing limits.

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Ronda Boutz,  
Secretary-Treasurer.

Attachments: Summary of 2022 Clean Water Program Applications



**Summary of 2022 Clean Water Program Applications**

**Table 1: Projects Approved at the June 6<sup>th</sup>, 2022 meeting**

Project Code	Project Type	Grant %	Grant Amount	Rating	Approval Conditions (if any)
2022-NUD CW03B	Milkhouse Wastewater	50%	\$3,929.50	26.0	
2022-RUS-CW10	Well Decommissioning	100%	\$1,000.00	26.0	
2022-NDU-CW03A	Manure Storage	50%	\$8,000.00	25.7	
2022-NAT-CW12	Well Decommissioning	100%	\$1,000.00	25.0	
2022-EDW-CW05	Well Decommissioning	100%	\$1,000.00	24.9	
2022-NST-CW08A	Manure Storage	50%	\$7,663.75	24.6	Applicant must demonstrate how liquid will be contained in the proposed storage
2022-APL-CW11	Well Decommissioning	100%	\$1,000.00	24.0	
2022-APL-CW13	Well Decommissioning	100%	\$1,000.00	24.0	
2022-APL-CW09	Manure Storage	50%	\$8,000.00	23.8	
2022-NAT-CW14	Septic	50%	\$2,000.00	23.5	
2022-NST-CW08B	Clean Water Diversion/ Barnyard Runoff Control	50%	\$5,000.00	22.7	Applicant must demonstrate how liquid will be contained from the proposed surfacing of the yard
<b>Total Approved</b>			<b>\$39,593.25</b>		

**Table 2: Projects Approved at the September 12<sup>th</sup>, 2022 meeting**

Project Code	Project Type	Grant %	Grant Approved	Rating
2022-NDU-CW15	Cover Crop	N/A	\$1,000.00	24.0
2022-NDU-CW16	Well Decommissioning	100%	\$1,000.00	25.9
2022-APL-CW17	Well Decommissioning	100%	\$1,000.00	23.0
2022-NAT-CW18A	Well Decommissioning	100%	\$1,000.00	24.7
2022-NAT-CW18B	Erosion Control	50%	\$5,000.00	22.7
<b>Total Requested</b>			<b>\$9,000.00</b>	



**Table 3: Projects Application for the November 28<sup>th</sup>, 2022 meeting**

Project Code	Project Type	Grant %	Grant Requested	Rating
2022-APL-CW20	Cover Crop	N/A	\$600.00	
2022-APL-CW21	Well Decommissioning	100%	\$1,000.00	
2022-NAT-CW22	Erosion Control	50%	\$5,000.00	
<b>Total Requested</b>			<b>\$6,600.00</b>	

**Table 4: 2022 Clean Water Program Waiting List – as of September 12<sup>th</sup>, 2022**

Project Code	Project Type	Grant %	Grant Request	Rating
2022-NAT-CW02	Erosion Control	50%	\$5,000.00	19.0
2022-NST-CW07	Well Decommissioning	100%	\$1,000.00	18.9
2022-SDU-CW04	Cover Crop	N/A	\$1,000.00	18.5
2022-CAS-CW01	Erosion Control	50%	\$5,000.00	18.5
2022-NST-CW06	Cover Crop	N/A	\$500.00	17.9
<b>Total Requested</b>			<b>\$12,500.00</b>	

**Table 5: Summary of Grant Funding, as of November 21, 2022**

Applications	Total Grants Requested
2022 grant budget	\$60,000.00
2021 grant funds – surplus from projects not proceeding	\$3,000.00
<b>2022 grant funds available</b>	<b>\$63,000.00</b>
Projects applications approved at the June 6 <sup>th</sup> meeting	\$39,593.25
Projects applications approved at the September 12 <sup>th</sup> meeting	\$8,000.00*
<b>Total funding available for November 28<sup>th</sup> meeting</b>	<b>\$15,406.75</b>
New applications for November 28 <sup>th</sup> Meeting	\$6,600.00
<b>Potential Surplus/(Deficit) after November 28<sup>th</sup> meeting</b>	<b>\$8,806.75</b>
2022 Waiting List as of September 12 <sup>th</sup> , 2022	\$12,500.00

\*Note: Originally \$9,000.00 was approved, since the meeting, one cover crop project confirmed it is not proceeding.



FOR OFFICE USE:	Project Code: 2022-APL-CW20	Project Type: Cover Crop
	Total Project Cost: \$ 1,025.00	Grant Rate: \$50.00/acre to max of 20 acres
	Grant Requested: \$ 600.00	
	Program Representative: Rene Lalonde	

#### 4. Other Sources of Funding

Have you applied for or received other funds for this project?

Yes ☐

No ☐

If yes, indicate source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

#### 5. Existing Situation

(Please ensure writing is legible)

What is the water quality impact from your current situation?

Erosion control of 2 large streams 12000 ft long + 1500 ft. long - work completed early Sept 2022 - streams draining most of the adjacent village of Alfred

Name of adjacent watercourse: \_\_\_\_\_

☒ river or stream

☐ wetland

☐ Municipal drain

☐ private ditch

#### 6. Proposed Project

(Please ensure writing is legible)

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

Working land along stream (approx 3500 ft. long) - width up to 200 ft wide - seeded with winter wheat at 200 lbs/acre on Sept. 13/22 - total of 12 acres.

Total estimated cost (excluding taxes): \$ 1,025.00 (An itemized quote must accompany your application)



FOR OFFICE USE:	Project Code: 2022-APL-CW21	Project Type: well Decommission
	Total Project Cost: \$ 2,100.00	Grant Rate: 100%
	Grant Requested: \$ 1,000.00	
	Program Representative: Andre Pommainville	

#### 4. Other Sources of Funding

Have you applied for or received other funds for this project?

Yes ☐

No ☒

If yes, indicate source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

#### 5. Existing Situation

(Please ensure writing is legible)

What is the water quality impact from your current situation? Water has a high salt concentration.

Name of adjacent watercourse: \_\_\_\_\_

☐ river or stream

☐ wetland

☐ Municipal drain

☐ private ditch

#### 6. Proposed Project

(Please ensure writing is legible)

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

Remove well collars, fill with fresh clean soil. Excavate and install new well roughly 25 feet East of old well. Backfill with fresh, clean sand. All old soil/sand removed from site.

Total estimated cost (excluding taxes): \$ 2,100.00 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2022-CAS-CW22	Project Type: Erosion Control
	Total Project Cost: \$ 17,000.00	Grant Rate: 50%
	Grant Requested: \$ 5,000.00	
	Program Representative: Jason Symington	

#### 4. Other Sources of Funding

Have you applied for or received other funds for this project?

Yes ☐ No ☒

If yes, indicate source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

source: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

#### 5. Existing Situation

(Please ensure writing is legible)

What is the water quality impact from your current situation? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name of adjacent watercourse: \_\_\_\_\_

☒ river or stream  
☐ Municipal drain

☐ wetland  
☐ private ditch

#### 6. Proposed Project

(Please ensure writing is legible)

Describe the work you are planning to do. Please refer to the project guidelines for details on what is required for your project.

Rock wall at rivers edge for erosion control rip rap  
base with boulder wall for the rest. Raise land  
to highest point of water front and level.  
Geo textile will be installed as it should be  
up to 18 inches from bottom of Shore line.

Total estimated cost (excluding taxes): \$ 17,000 (An itemized quote must accompany your application)





**To:** Clean Water Committee  
**From:** Ronda Boutz, Secretary-Treasurer  
**Date:** November 21, 2022  
**Subject:** Request for Approval: 2022 Clean Water Program Waiting List

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**RECOMMENDATION:**

The Clean Water Committee provide direction regarding the 2022 Clean Water Program Waiting List.

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**DISCUSSION:**

There are 5 projects on the 2022 Clean Water Program waiting list with project scores between 17.9 and 19.0 points, requesting \$12,500.00 in grants. These projects meet Program eligibility criteria; however, they did not meet the minimum score of 21.5 to be approved at the June or September meetings.

A summary of the 2022 Clean Water Program Waiting List, as of September 12<sup>th</sup>, 2022, is below:

Project Code	Project Type	Grant %	Grant Request	Rating
2022-NAT-CW02	Erosion Control	50%	\$5,000.00	19.0
2022-NST-CW07	Well Decommissioning	100%	\$1,000.00	18.9
2022-SDU-CW04	Cover Crop	N/A	\$1,000.00	18.5
2022-CAS-CW01	Erosion Control	50%	\$5,000.00	18.5
2022-NST-CW06	Cover Crop	N/A	\$500.00	17.9
<b>Total Funds Requested</b>			<b>\$12,500.00</b>	

There is currently \$15,406.75 in 2022 grant funding available for allocation; with \$6,600.00 requested at the November 28<sup>th</sup> meeting. Depending on total amount approved for new projects, there will be at least \$8,806.75 still available to address projects on the waiting list. The available total may be higher if any new projects are not approved at the November 28<sup>th</sup> meeting and/or surplus results at year from approved grants not proceeding or coming in under the approved amount.

The past practice of the Committee has been to allocate available funds to projects that score 20.0 points or higher, with funding to the highest rated projects until fully allocated. There are currently no projects on the waiting list with a score higher than 19.0.

Staff are seeking direction from the Committee on allocation of remaining funding to the 2022 Clean Water Program Waiting List. Available funding could cover the first two projects on the waiting list, but not both the third and fourth projects, which have the same rating score.



SOUTH NATION  
**CONSERVATION**  
DE LA NATION SUD

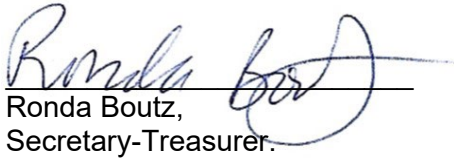
**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget:

No impact to the 2022 SNC Budget.

Adherence to SNC Policy:

Allocation of Grants adheres to SNC's Purchasing Policy.

  
\_\_\_\_\_  
Ronda Boutz,  
Secretary-Treasurer.



**To:** Clean Water Committee  
**From:** Lorie Henderson, Administrative Assistant  
**Date:** October 26, 2022  
**Subject:** Request for Approval: 2023 Clean Committee Meeting Schedule

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**RECOMMENDATION:**

The Clean Water Committee approves the 2023 Committee meeting schedule as presented.

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**DISCUSSION:**

As per the Standing Committee Terms of Reference, all Standing Committees will meet at least 4 times per year, with one of these meetings being a Joint Meeting of all Standing Committees. The Terms of Reference allows for additional meetings to be called if there is 75% concurrence of the Committee at which there is quorum.

As South Nation Conservation (SNC) transitions through amendments to the *Conservation Authorities Act*, which come into effect on January 1, 2024, staff are proposing a fifth meeting in 2023 to allow for adequate feedback and participation from the Clean Water Committee.

Staff recommend the following meeting schedule for 2023:

- Monday, February 27<sup>th</sup>
- Thursday March 23<sup>rd</sup> (Joint Standing Committees at 1:00 p.m.)
- Monday, June 12<sup>th</sup>
- Monday, September 18<sup>th</sup>
- Monday, November 20<sup>th</sup>

Meetings will be at 9:00 a.m. at the SNC office unless otherwise stated in the Agenda package. Meeting location will be indicated on the Agenda package.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Committee expenses for the Clean Water Committee are included in the Draft 2023 SNC Budget to an upset limit of \$4,600/Committee.

SNC Policy Adherence: The Clean Water Committee membership and meeting schedule adheres to the SNC Administration Policy and SNC Standing Committee Terms of Reference.

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Lorie Henderson,  
Administrative Assistant.