



SOUTH NATION
CONSERVATION
DE LA NATION SUD

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Clean Water Committee

Meeting Agenda

***** PLEASE NOTE DATE AND START TIME***

Date: Monday, September 14th, 2020

Time: 9:00 a.m.

NOTE:

Conference call number, and Conference PIN number will be provided 48 hours in advance



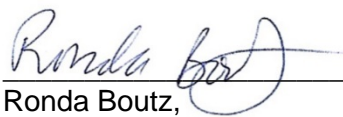
Clean Water Committee

Meeting Agenda

Monday, September 14th, 2020 at 9:00 a.m.

Page No.

1. Welcome and Chair Remarks
2. Approval of Agenda and Supplemental Agenda (if any)
3. Declaration of Conflict of Interest
4. Request for Approval:
 - a. Clean Water Committee meeting minutes, June 8th, 2020 3-13
5. Business Arising from Minutes
 - a. Deferred Applications
 - i. 2020-CAS-CW15 – Streambank Erosion: Rene 14
 - ii. 2020-NAT-CW06B – Buffer Strip: Andre 15
 - iii. 2020-NAT-CW09 – Streambank Erosion: Brent Harbers 16-17
 - iv. 2020-NAT-CW13A (Control Tile Drain), 2020-NAT-CW13B (Cover Crop) 18-21
2020-NAT-CW13C (Streambank Erosion): Rene 22-24
6. New Business
 - a. Request for Approval: Eastern Ontario Water Resources Program Financial Statement – as of August 31, 2020: Ronda 25-26
 - b. Updates: Eastern Ontario Water Resources Program Projects
 - i. City of Ottawa Weather Station Project Update: Katherine 27
 - ii. South Nation River Watershed Water Budget Update: Phase 1: Katherine 28
 - iii. Lagoon Effluent Tree Irrigation and Evapo Transpiration Study: Chris Kinsley 29
 - c. Request for Approval: Extension to Projects Approval Deadline: Lorie 30
 - d. Request for Approval: Ottawa Rural Clean Water Program Project Applications: Reps 31-34
 - e. Update: Summary of Clean Water Program Applications: Ronda 35-37
 - f. Request for Approval: Clean Water Program Project Applications: Reps 38-52
7. Supplemental Agenda (if any)
8. Roundtable: Community Engagement
9. Correspondence
 - a. Ecological Farmers Association of Ontario: Small Grains Program 2021 53
10. Next Meeting – November 26th, 2020 at 9:00 a.m.
11. Adjournment


Ronda Boutz,
Team Lead, Special Projects.

/lh



CLEAN WATER COMMITTEE MEETING

Meeting No. 02/20

Monday, June 8th, 2020 – 9:00 a.m.



Present:

Jacqueline Kelly-Pemberton, Committee Chair
Ray Beauregard
Russell Bennett
Michel Kearney
Alan Kruszel
René Lalonde
Lawrence Levere
Glenn Mackey
André Pommainville
Tara Redpath
Norman Riopel
Terrence Sauvé
Bill Smirle, SNC Chair (ex-officio)
François St. Amour
Doug Thompson, SNC Past Chair (ex-officio)

Regrets:

George Darouze, SNC Vice Chair (ex-officio)
Elizabeth Holmes
Jack Hoogenboom
Marc Laflèche
David Lapen
Gib Patterson
Adrian Wynands

Staff:

Carl Bickerdike, Team Lead, Corporate Services
Ronda Boutz, Team Lead, Special Projects
Lorie Henderson, Administrative Assistant
Sandra Mancini, Team Lead Engineering
Michael Melaney, Hydrogeologist
Geoff Owens, Regulations Officer
Katherine Watson, Water Resources Specialist - Monitoring



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Guests:

Brendan Jacobs, Ontario East Alternative Lands Use Service Inc.
Chris Kinsley, University of Ottawa
Rachel Alexandra Harrison, University of Ottawa
Tom Al, University of Ottawa
Tessa Di Iorio, City of Ottawa



CHAIRS REMARKS

Jacqueline Kelly-Pemberton, Committee Chair, called the Clean Water Committee meeting to order at 9:00 a.m. and welcomed everyone.

APPROVAL OF CLEAN WATER COMMITTEE MEETING AGENDA

RESOLUTION NO. CWC-014/20

Moved by: François St. Amour

Seconded by: Rene Lalonde

RESOLVED THAT:

The Members approve the Clean Water Committee agenda of June 8th, 2020 submitted.

CARRIED

DECLARATION OF CONFLICT OF INTEREST

Andre Pommainville declared a conflict of interest regarding Agenda Item 8 e., Clean Water Program Applications: Reps, pertaining to grant application 2020-APL-CW14.

The following Committee Members declared a conflict regarding Agenda Item 8a., Items i-v: Jackie Kelly-Pemberton, Bill Smirle, Doug Thompson, Andre Pommainville, Glenn Mackey and François St. Amour.

Ray Beauregard will act as Chair for Agenda Item 8 a., items i-v, in place of Committee Chair, Jackie Kelly-Pemberton.

REQUEST FOR APPROVAL:

ELECTRONIC MEETING PROCEDURES

RESOLUTION NO. CWC-015/20

Moved by: Ray Beauregard

Seconded by: Doug Thompson

RESOLVED THAT:

The Clean Water Committee approve the Electronic Meeting procedures as outlined in the report.

CARRIED



Terrence Sauvé joined the meeting at 9:07 a.m.

Bill Smirle left the meeting at 9:17 a.m. and rejoined the meeting at 9:21 a.m.

Bill Smirle left the meeting at 9:59 a.m. and rejoined the meeting at 10:02 a.m.

APPROVAL OF:

CLEAN WATER COMMITTEE MEETING MINUTES OF MARCH 5th, 2020

RESOLUTION NO. CWC-016/20

Moved by: Glenn Mackey
Seconded by: Lawrence Levere

RESOLVED THAT:

The Members approve the Clean Water Committee meeting minutes of March 5th, 2020 as submitted.

CARRIED

JOINT STANDING COMMITTEE MEETING MINUTES OF MARCH 5TH, 2020

RESOLUTION NO. CWC-017/20

Moved by: François St. Amour
Seconded by: Michel Kearney

RESOLVED THAT:

The Members approve the Joint Standing Committee Meeting Minutes of March 5th, 2020 as submitted.

CARRIED

BUSINESS ARISING FROM MINUTES

REQUEST FOR APPROVAL: 2020 EOWRP BUDGET

RESOLUTION NO. CWC-018/20

Moved by: Andre Pommainville
Seconded by: Lawrence Levere

RESOLVED THAT:

The Clean Water Committee approves the 2020 Eastern Ontario Water Resources Program (EOWRP) Budget as presented.

CARRIED



**2020 EASTERN ONTARIO CHILDREN'S WATER FESTIVAL EOWRP GRANT
DEADLINE EXTENSION**

RESOLUTION NO. CWC-019/20

Moved by: Ray Beauregard
Seconded by: François St. Amour

RESOLVED THAT:

The Clean Water Committee approves an extension to the 2020 Eastern Ontario Children's Water Festival grant, under the Eastern Ontario Water Resources Program, until December 1, 2020.

CARRIED

CLEAN WATER PROGRAM WORKING GROUP

Ronda Boutz, Team Lead, Special Projects advised everyone that due to COVID-19 she did not have an opportunity to meet with the working group in April as planned, but would be looking at a virtual meeting over summer and would bring an updated report to the Clean Water Committee meeting on September 14th, 2020.

ROUNDTABLE: COMMUNITY ENGAGEMENT

There were no Roundtable Community Engagement activities to report at this meeting.

Alain Kruszel joined the meeting at 9:50 a.m.

NEW BUSINESS

EASTERN ONTARIO WATER RESOURCES PROGRAM PROPOSALS

Committee Chair, Jackie Kelly-Pemberton, Bill Smirle, Doug Thompson, Andre Pommainville, Glenn Mackey, and François St. Amour having declared a Conflict of Interest for Agenda Item 8 a., Items i-v, did not participate in discussions, rating, or voting on the Eastern Ontario Water Resources Program Grant Proposals.

Ray Beauregard assumed the position of Acting Chair, Clean Water Committee.



Ronda Boutz, Team-Lead, Special Projects presented a report to the Committee summarizing the Eastern Ontario Water Resources Program (EOWRP) Grant Proposals and Project Proposals Guidelines. All the projects were presented by the proposal applicants.

The Committee discussed and rated the proposals as per the 2020 EOWRP Guidelines.

RESOLUTION NO. CWC-020/20

Moved by: Alan Kruszel
Seconded by: Russell Bennett

RESOLVED THAT:

The Committee approve funding 4 projects as per table below:

Proposal	Rating	Request	Approved Grant
Lagoon Effluent Tree Irrigation and Evapo-transpiration Study	18.5	\$3,000	\$3,000
The Use of Radionuclides to Identify Vulnerable Fractured Karst Bedrock Aquifers in Eastern Ontario	18.4	\$3,000	\$3,000
City of Ottawa Climate Station	17.4	\$10,000	\$9,500
Phase 1: South Nation River Watershed Water Budget Update Plan	16.8	\$10,000	\$9,500
Improving program and demonstration farm visibility within Ontario East	12.5	\$5,700	\$0.00
Total		\$31,700	\$25,000

AND FURTHER THAT:

The Committee deny funding to the ALUS project – Improving program and demonstration farm visibility within Ontario East project, based on the lower proposal ratings score.

CARRIED

Jackie Pemberton resumed the position of Committee Chair.



REQUEST FOR APPROVAL:
EXTENSION TO PROJECTS APPROVAL DEADLINE

RESOLUTION NO. CWC-021/20

Moved by: Bill Smirle
Seconded by: Alan Kruszel

RESOLVED THAT:

The Clean Water Committee approve extending the deadline for the following projects:

05 12 2102 DDB – Cover Crop, grant approved at \$1,000.00 per year (\$50.00/acre for 20 acres) for 3 years, pending funding and annual confirmation of cover crop by Program Representative; Project deadline extension to June 30, 2021; and

FURTHER THAT:

05 17 2192 DDB – Cover Crop, grant approved at \$1,000.00 per year (\$50.00/acre for 20 acres) for 3 years, pending funding and annual confirmation of cover crop by Program Representative; Project deadline extension to June 30, 2021; and

FURTHER THAT:

2019-RUS-CW21 – Septic System, grant approved at a rate of 50% to a maximum grant of \$2,000.00; Project deadline extension to September 30th, 2020.

CARRIED

OTTAWA RURAL CLEAN WATER PROGRAM PROJECT APPLICATION

RESOLUTION NO. CWC-022/20

Moved by: Alan Kruszel
Seconded by: Tara Redpath

RESOLVED THAT:

05 19 2266 DDA Septic System

The Clean Water Committee approve funding at a grant rate of 50% to a maximum grant of \$1,000.00.

CARRIED



SUMMARY OF CLEAN WATER PROGRAM GRANT APPLICATIONS

Ronda Boutz, Team Lead, Special Projects provided the Committee with an updated summary of 2020 Clean Water Program Applications for information only.

CLEAN WATER PROGRAM PROJECT APPLICATIONS

Alan Kruszel declared a conflict of interest and did not participate in the rating or discussion of Clean Water Program grant application 2020-NST-CW03.

Andre Pommainville declared a conflict of interest and did not participate in the rating or discussion of Clean Water Program grant application 2020-APL-CW14.

Bill Smirle, Doug Thompson and Lawrence Levere left the meeting at 11:30 a.m.
Michel Kearney left the meeting at 11:57 a.m. and rejoined the meeting at 12:03 p.m.
Alan Kruszel left the meeting at 12:11 p.m.

The Clean Water Committee reviewed all the 2020 Clean Water Program grant applications on the agenda and rated them accordingly.

RESOLUTION NO. CWC-023/20

Moved by: Lawrence Levere
Seconded by: Alan Kruszel

RESOLVED THAT:

The Clean Water Committee defer project 2020-NAT-CW6B to the September 14, 2020 meeting to confirm exact location and width of buffer.

RESOLUTION NO. CWC-024/20

Moved by: Alan Kruszel
Seconded by: Francois St. Amour

RESOLVED THAT:

The Clean Water Committee defer project 2020-NST-CW09 to the September 14, 2020 meeting to confirm project costs.

CARRIED

RESOLUTION NO. CWC-025/20

Moved by: Terrance Sauv 
Seconded by: Alan Kruszel



RESOLVED THAT:

The Clean Water Committee defer project 2020-NAT-CW13A to the September 14, 2020 meeting to confirm project scope and costs.

CARRIED

RESOLUTION NO. CWC-026/20

Moved by: Terrance Sauvé
Seconded by: André Pommainville

RESOLVED THAT:

The Clean Water Committee defer project 2020-NAT-CW13B to the September 14, 2020 meeting to confirm project scope and location of fields that will be seeded in the cover crop.

CARRIED

RESOLUTION NO. CWC-027/20

Moved by: Alan Kruszel
Seconded by: Glenn Mackey

RESOLVED THAT:

The Clean Water Committee defer project 2020-NAT-CW13C to the September 14, 2020 meeting to confirm project location and scope of work.

CARRIED

RESOLUTION NO. CWC-028/20

Moved by: Ray Beauregard
Seconded by: Francois St. Amour

RESOLVED THAT:

The Clean Water Committee approves funding to the following projects:

Project Code	Project Type	Grant %	Grant Approved	Rating
2020-NAT-CW19	Streambank Erosion	50%	\$5,000.00	24.6
2020-EDW-CW04	Well Decommissioning	100%	\$1,000.00	24.5
2020-NGR-CW08	Well Decommissioning	100%	\$1,000.00	24.1



2020-NGR-CW10	Well Decommissioning	100%	\$1,000.00	24.0
2020-APL-CW12	Well Decommissioning	100%	\$1,000.00	23.9
2020-NST-CW03	Manure Storage	50%	\$8,000.00	22.9
2020-SDU-CW05	Manure Storage	50%	\$8,000.00	22.8
2020-APL-CW14	Streambank Erosion	50%	\$5,000.00	22.8
2020-RUS-CW02	Manure Storage	50%	\$8,000.00	22.7
2020-NAT-CW07	Buffer Strip	50%	\$2,373.50	22.6
2020-CLR-CW18	Well decommissioning	100%	\$1,000.00	22.5
2020-APL-CW16	Streambank Erosion	50%	\$5,000.00	22.2
2020-NAT-CW06 A	Streambank Erosion	50%	\$5,000.00	21.8
Total Requested			\$51,373.50	

AND FURTHER THAT:

The Clean Water Committee placed the following projects on a waiting list and will be re-considered at a future date if funding is becomes available:

Project Code	Project Type	Grant Rate %	Grant Amount	Rating
2020-CAS-CW11	Streambank Erosion	50%	\$5,000.00	18.7
2020-CAS-CW17	Streambank Erosion	50%	\$1,840.50	18.7
2020-NST-CW01	Well Decommissioning	100%	\$1,000.00	17.5
TOTAL			\$7,840.50	

AND FURTHER THAT:

The Clean Water Committee defer 2020-CAS-CW15 to the September 14th, 2020 meeting to confirm scope of work and potential for coordinated application from multiple applicants in this area.

CARRIED



NEXT MEETING

The next Clean Water Committee Clean Water Committee is scheduled for September 14th, 2020.

ADJOURNMENT

RESOLUTION NO. CWC-029/20

Moved by: Andre Pommainville

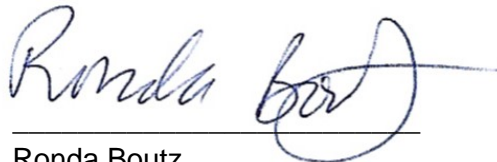
RESOLVED THAT:

The Clean Water Committee meeting of June 8th, 2020 be adjourned at 12:57 p.m.

CARRIED

Jacqueline Kelly-Pemberton,
Committee Chair.

/lh



Ronda Boutz,
Team Lead, Special Projects.

FOR OFFICE USE:	Project Code: <u>2020 CAS-CWIS</u>	Project Type: <u>Erosion</u>
	Total Project Cost: \$ <u>8,991.98</u>	Grant Rate: <u>50</u> %
	Grant Requested: \$ <u>5,000.00</u>	\$4,496
	Program Representative: <u>Rene Lalonde</u>	

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? The impact of the water, through ice, wind and waves, is currently causing the erosion of the soil, which is stripping and cutting into the banks of the land, moving soil + particles + changing the size + shape of the river.

Name of adjacent watercourse: South Nation River

☒ 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.

The intention is to maintain existing grade between the terrace zone + bank zone, adding a combination of vegetation and riprap (stone/rock) along the shoreline up to the bank zone for stabilization. Site preparation requires selective removal of vegetation, however once project is completed, we will re-introduce native trees, shrubs and vegetation (habitat friendly) to the area.

Total estimated cost (excluding taxes) 8,991.98 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-NAT-CW06 B	Project Type: Buffer Strip
	Total Project Cost: \$ 4,200.00	Grant Rate: 50 %
	Grant Requested: \$ 5,000.00	\$2,100
	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?

There is a lot of erosion especially in all the bends

Name of adjacent watercourse: black creek

☒ 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.

3 M buffer strips on each side of the creek. 2500 foot each side Total or 5000 foot

Total estimated cost (excluding taxes): \$ 4,200.00 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-NST-CW09	Project Type: Streambank Erosion
	Total Project Cost: \$ 18,100.00	Grant Rate: 50 %
	Grant Requested: \$ 5,000.00	
	Program Representative: Brent Harbers	

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? Sideslope failure and erosion is causing entry of sediment into the Payne Municipal drain.

Name of adjacent watercourse: Payne Municipal Drain

☐ 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.

Re-shape ditch banks and protect with geotextile and rip rap stone. Will also be using coconut blankets along sections of ditch bank as well as seeding. Incorporating grass/ hay buffer strip of minimum 3m from top of bank to be planted by landowner along both sides of drain for entire length of property.
After stabilization and protection of ditch banks we will be doing a half bottom width cleanout along the Blair property to remove the sediment accumulation (SNCA & DFO permits have already been received)

Total estimated cost (excluding taxes): \$ 18,100.00 (An itemized quote must accompany your application)

Lorie Henderson

From: Sean MacDonald <drainsuperintendent@northstormont.ca>
Sent: June 29, 2020 10:21 AM
To: Brent Harbers
Cc: Lorie Henderson
Subject: Re: Clean Water Committee - Erosion Control on Payne River
Attachments: Blair signed cost sharing agreement.png

Good morning Brent,

Attached you will find the signed agreement by landowner Murray Blair, who has agreed to pay \$5000.00 directly towards the repair costs. Please also note his agreement to plant and leave buffer strips along both sides of the drain for the entire length of his property (also at his cost).

The remaining costs are to be assessed to the upstream landowners in accordance with the Engineer's report. I have limitations on the extent of work I can do and assess upstream. I am very much hopeful that I would be able to receive funding to be able to do a permanent repair preventing further erosion and improving water quality.

If you have any further questions or if there is anything else I can provide I am happy to assist.

Thank you,

Sean

FOR OFFICE USE:	Project Code: 2020-NAT-CW13A	Project Type: Controlled Tile Drainage
	Total Project Cost: \$ 17,000.00	Grant Rate: 50 %
	Grant Requested: \$ 5,000.00	
	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? Water quality is deteriorating due to prior erosion problem caused by tile drainage outlet damage and by having the Scotch river at proximity. There are many gullies and very high elevation. There is very high risk of land fall/slide.

Name of adjacent watercourse: Scotch River

☒ 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.

With the installation of the water control chambers, this will control the flow of water and avoid sediment coefficients in the stream. This should effectively reduce N and P losses to surface waters.

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

FOR OFFICE USE:	Project Code: 2020-NAT-CW13B	Project Type: Cover Crop Grant
	Total Project Cost: \$ 999.99 \$1,000	Grant Rate: 50 % per acre/yr up to a maximum of 20
	Grant Requested: \$ 999.99 \$1,000	acres
	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?

In the situation where no cover crops were put on this land there would be sediment wash out and erosion going into the water of the Scotch River.

Name of adjacent watercourse: Scotch River

☒ 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.

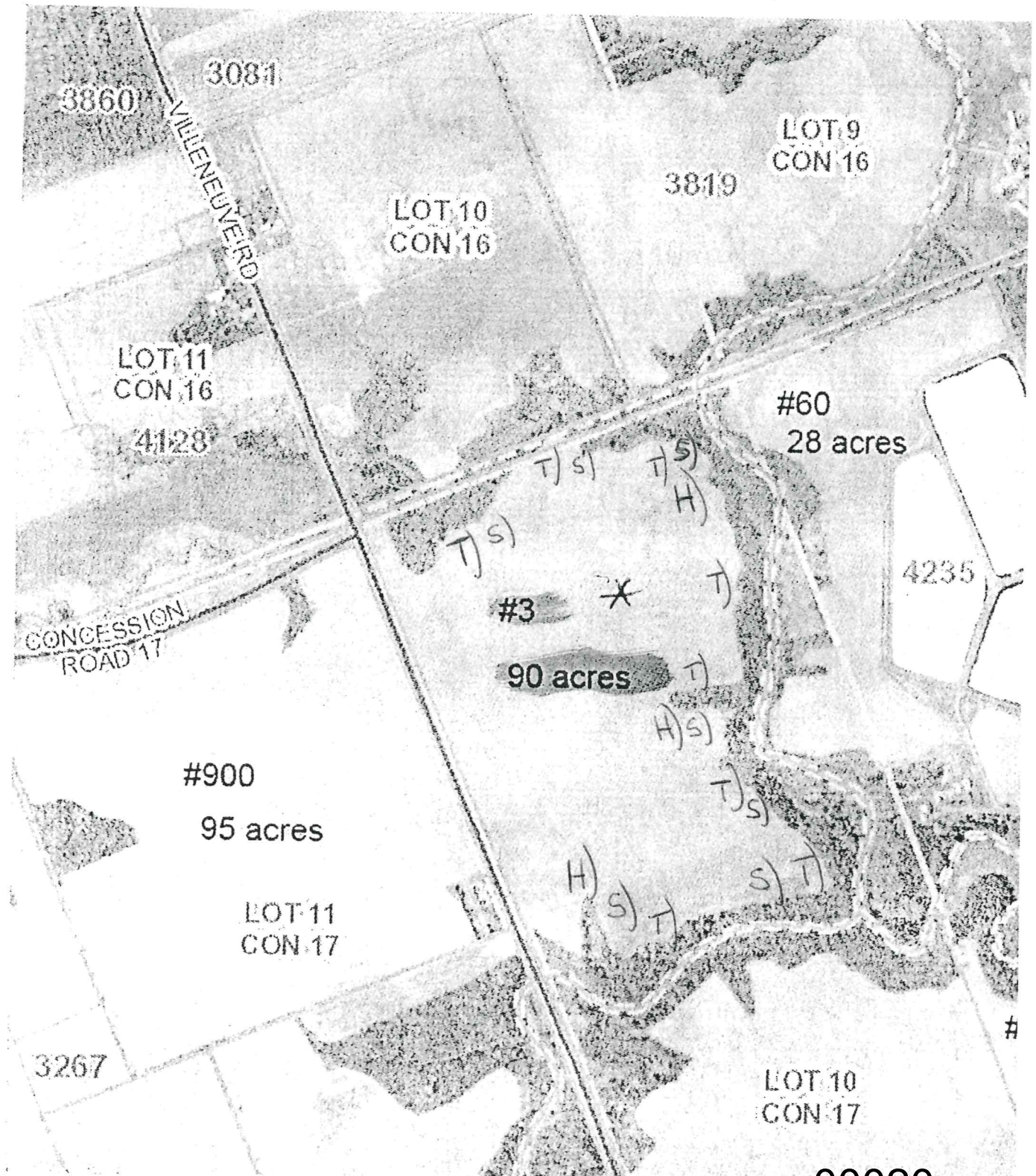
After spraying the wheat, we will broadcast red clover in the wheat field. The red clover will do a root system to prevent erosion and avoid sediment wash out in the stream. Red clover will also improve the earth worm and provide nitrogen for the next crop and build organic matter. Phacelia will bring a broader root system.

Total estimated cost (excluding taxes): \$ 999.00 (An itemized quote must accompany your application)

4 kg / ac - Trefu rouge - \$22.80 x 50% = 11.40
 5 kg / ac - Phacelia - \$77.10 x 50% = 38.55

\$ 49.95
 x 20 acres

2020-WAT-CW 13A
+ 13B



00020

Code - 2020 13A

H) = Hickensbottom with water control beam

T) = Tile drain control

→ S) = Stone & Geotextile

Code - 2020 13B

C) = 90 Ac Compleat Cover-crop -

B) = Buffer strip only where there is tree to Retain
the land

Code - 2020 13C

→ S) Stone & Geotextile

FOR OFFICE USE:	Project Code: 2020-NAT-CW13C	Project Type: Streambank Erosion
	Total Project Cost: \$ 25,157.25	Grant Rate: 50 %
	Grant Requested: \$ 5,000.00	
	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? Water quality is deteriorating due to major erosion problem caused by tile drainage outlet damage and by having the Scotch river at proximity. There are many gullies and very high elevation. There is very high risk of land fall/slide.

Name of adjacent watercourse: Scotch River & branch

☒ river or stream

☐ Municipal drain

☐ wetland

☐ private ditch

6. Proposed Project

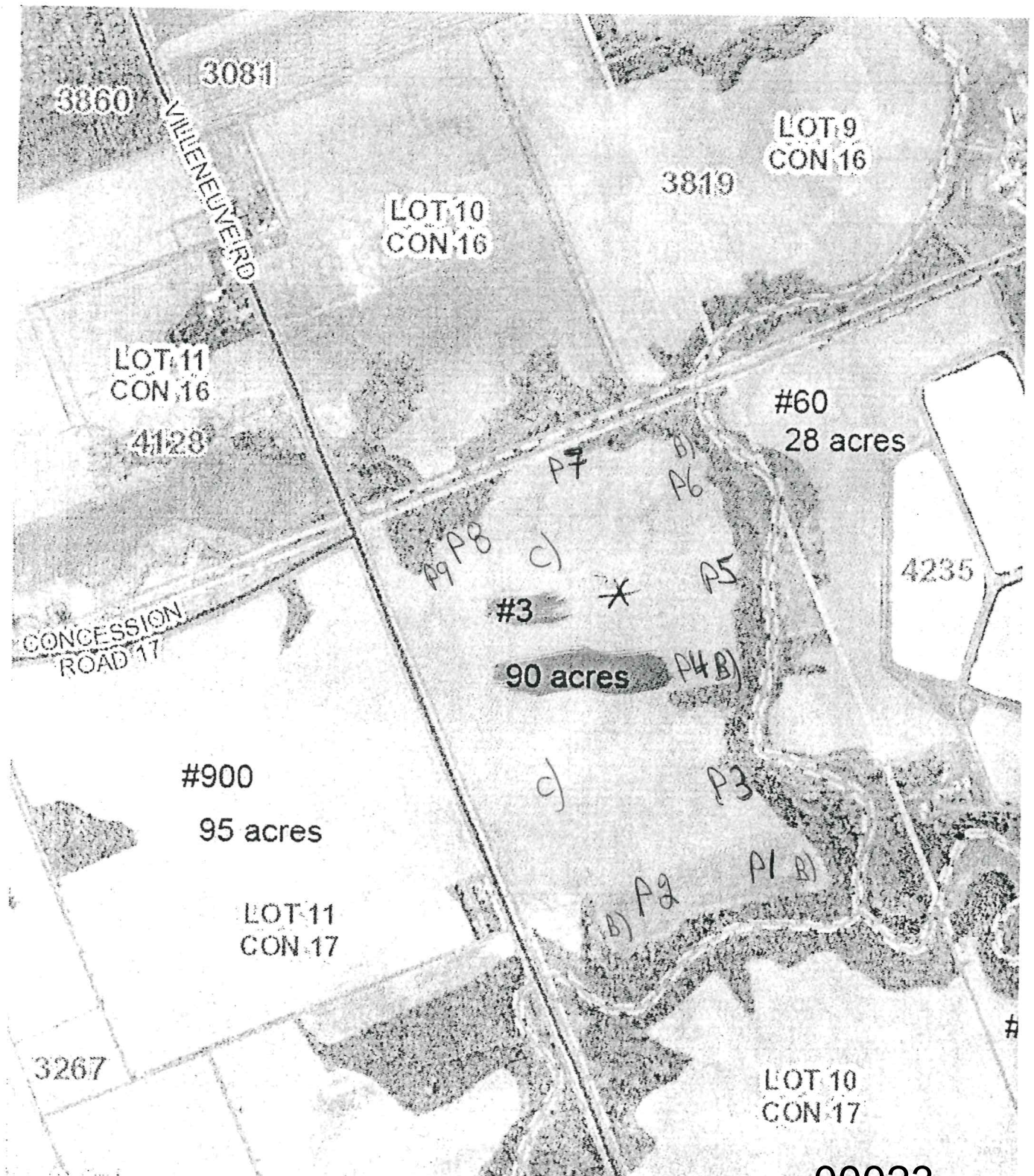
(Please ensure writing is legible)

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

We need to correct tile drainage outlet and set up catch basins which will provide a 3 meter buffer setback from top of streambank (stone grass & tree buffer). The catch basins are also called spillway drop structures.

Total estimated cost (excluding taxes): \$ 25,157.25 An itemized quote must accompany your application)

2020-WAT-CW13C



00023

P1 = Photo Severe erosion Problem
SHAPE Slope Stone & Geotextile
Tile drain

P2 = moderate Slope - Stone
& Hickenbottom

P3 = SHARPE Slope - Stone - Tile drain
control

P4 = EXCAVATION ~~PIPE~~ move
Tile outlet

P5 = moderate

P6 = Severe Erosion Problem
Geotextile - Stone / Excavation

P7 = long Distance Erosion 100 ft
Geotextile

P8 = moderate - EXCAVATION Stone

P9 = moderate Erosion
75 ft CREVACE



To: Clean Water Committee
From: Ronda Boutz, Team Lead, Special Projects
Date: September 8, 2020
Subject: Request for Approval: Eastern Ontario Water Resources Program
2020 Financial Statement – as of August 31st, 2020

RECOMMENDATION:

The Clean Water Committee approve the Eastern Ontario Water Resources Program 2020 Financial Statement – as of August 31, 2020.

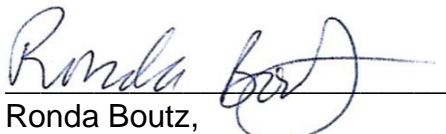
DISCUSSION:

The 2020 Eastern Ontario Water Resources Program Financial Statement, as of August 31, 2020, 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: 2020 Financial Statement – as of August 31st, 2020



Eastern Ontario Water Resources Program / Programme des ressources en eau de l'Est de l'Ontario

2020 Financial Statement – as of August 31st, 2020

Revenue:

United Counties of Prescott-Russell	\$25,000
City of Ottawa	\$50,000
Carry-over of 2019 dollars	\$38,902
TOTAL REVENUE	\$113,902

Expenses:	2020 Budget	Expenses as of Aug. 31, 2020	Forecast to Dec. 31, 2020	Surplus/ Deficit ⁶
1. EOWRP Project Management¹	\$4,815	\$2,477	\$4,815	\$0
2. EOWRP Committee²	\$1,000	\$686	\$1,000	\$0
3. 2019 EOWRP Projects				
a) Eastern Ontario Children's Water Festival	\$2,031	\$0	\$2,031	\$0
b) North Castor Catchment Study ³	\$15,000	\$0	\$15,000	\$0
c) Development of groundwater/surface water interaction constraint mapping	\$3,124	\$0	\$3,124	\$0
d) Low Impact Development Project ³	\$18,737	\$0	\$18,737	\$0
4. 2020 Special Projects				
a) UCPR: Floodplain Mapping	\$25,000	\$25,000	\$25,000	\$0
b) South Bear Brook Catchment Study	\$19,195	\$0	\$19,195	\$0
5. 2020 Grants⁵				
a) Lagoon Effluent Tree Irrigation and Evapo-transpiration Study	\$3,000	\$0	\$3,000	\$0
b) The Use of Radionuclides to Identify Vulnerable Fractured Karst Bedrock Aquifers in Eastern Ontario	\$3,000	\$0	\$3,000	\$0
c) City of Ottawa Climate Station	\$9,500	\$0	\$9,500	\$0
d) Phase 1: South Nation River Watershed Water Budget Update Plan	\$9,500	\$0	\$9,500	\$0
TOTAL EXPENSES	\$113,902	\$28,163	\$85,739	\$0

¹ 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 2020 EOWRP contribution.

² EOWRP funding from previous year surplus to support meeting expenses for appointed EOWRP members on the Clean Water Committee. Surplus funds at year end are carried forward to the next year's budget for Committee support.

³ EOWRP Special Projects identified by the EOWRP funding contributor, approved in 2019 and to be completed in 2020.

⁴ EOWRP Special Projects in 2020 identified by the EOWRP funding contributor.

⁵ City of Ottawa earmarked \$25,000 of their \$50,000 2019 contribution for grants to be allocated through a grant proposal submission. Projects reviewed and approved at the June 8, 2020 meeting.

⁶ Surplus funds carried forward to 2021 Budget.



To: Clean Water Committee
From: Katherine Watson, Water Resources Specialist
Date: September 1, 2020
Subject: City of Ottawa Weather Station Project Update

RECOMMENDATION:

The Clean Water Committee receive and file the report.

DISCUSSION:

SNC was successful in receiving \$9,500 EOWRP funds for the installation of a continuous, real-time data collection platform and weather station southeast of Greely, ON, within the City of Ottawa. Additional funds for this project are budgeted in SNC's 2020 Water Response Program. The project was approved by the SNC Board of Director's (Resolution No. BD-077/20).

This station improves the Flood Forecasting and Warning Program by filling in known data gaps for precipitation. Having timely reliable climate information on the occurrence and severity of extreme precipitation events is essential to reducing the impacts of floods and droughts in Ottawa and Eastern Ontario.

Staff have purchased the weather station and telemetry equipment from Forest Technology Services (FTS) and project permits have been secured. Equipment will be installed on an SNC property ensuring station access and longevity. Next steps include preparation of the site, installation of the equipment, and connection to SNC's WISKi platform. Work is scheduled to be completed by mid October.

Staff will bring a final project report to the Clean Water Committee in December 2020.

FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:

Compliance with Budget: EOWRP \$9,500; remaining funds approved in 2020 Budget, Page No. 14, Resource Management – Water Response Program

SNC Policy Adherence: Purchasing Policy, Page No. 4, Section E, Non-Competitive Purchasing; Board of Directors must approve any Non-Competitive purchasing over \$10,000; when it is necessary to ensure compatibility with existing products. All field work will follow SNC's Health and Safety Policies.

Katherine Watson

Katherine Watson
Water Resources Specialist



To: Clean Water Committee
From: Katherine Watson, Water Resources Specialist
Date: September 1, 2020
Subject: South Nation River Watershed Water Budget Update: Phase 1

RECOMMENDATION:

The Clean Water Committee receive and file the report.

DISCUSSION:

SNC was successful in receiving \$9,500 EOWRP funds for Phase 1 of a South Nation River Watershed Water Budget Update. Additional funds for this project are budgeted in SNC's 2020 Water Response Program. The project was approved by the SNC Board of Director's (Resolution No. BD-077/20).

South Nation Conservation's (SNC) hydrologic model is a 3-dimensional surface water/ groundwater hydrogeosphere model developed by Aquanty Inc, out of Guelph, Ontario. It was originally developed with funding under a federal AgriRisk grant obtained by SNC in 2017.

To continue expanding the model's use for SNC within a water budget context, changes to the model infrastructure and inputs (e.g. land cover, storm scenarios, climate change scenarios) is required.

Staff have created a detailed work plan and are currently working with Aquanty Inc., on work flows that will provide the model infrastructure and inputs needed to analyze impacts to water resources. Work will continue through the winter and a final report will be submitted in June 2021. Staff will provide a project update to the Clean Water Committee in November 2020.

FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:

Compliance with Budget: EOWRP \$9,500; remaining funds approved in 2020 Budget, Page No. 14, Resource Management – Water Response Program

SNC Policy Adherence: Purchasing Policy, Page No. 4, Section E, Non-Competitive Purchasing; Board of Directors must approve any Non-Competitive purchasing over \$10,000; when it is necessary to ensure compatibility with existing products. All field work will follow SNC's Health and Safety Policies.

Katherine Watson

Katherine Watson
Water Resources Specialist

Lagoon Effluent Tree Irrigation and Evapo-transpiration Study

Interim Report to EOWRP

Prepared by: Chris Kinsley, Ph.D., P.Eng.

September 4th, 2020

The Sewage pump to dose the constructed wetland, the floating dock and the electrical connections have all been completed (see photo). The remaining tasks for the experimental setup include: repairing a leak found in the dosing line, installing two pumps (wetland return and irrigation dosing) and selecting and planting the tree cuttings. A graduate student has been recruited for the research study and has developed a preliminary research plan, including a review of appropriate tree species. The experimental setup should be completed next week. Restrictions on field work were lifted last week by the University.



Picture Caption: Floating dock with $\frac{3}{4}$ HP sewage pump installed in Alfred municipal lagoon

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uOttawa



To: Clean Water Committee
From: Lorie Henderson, Administrative Assistant
Date: September 7, 2020
Subject: Request for Approval: Extension to Projects Approval Deadline

RECOMMENDATION:

The Clean Water Committee approve extending **2018-EDW-CW25B Manure Storage** project deadline to December 1, 2020.

DISCUSSION:

2018-EDW-CW25B – Manure Storage

Manure Storage Project was approved at the September 10, 2018 Clean Water Committee meeting. Landowner requested an extension at the September 2019 meeting to June 30th, 2020. Program Representative, Jackie Pemberton, followed up with the landowner on July 7th, 2020. Due to the Covid-19 pandemic, the contractor hired to do the work cancelled, therefore, a new contractor was hired and the landowner is confident the work will be completed by December 1st, 2020.

The landowner is requesting approval for an extension to allow for project completion date of December 1, 2020.

FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:

Compliance with Budget: Clean Water Program funding and delivery adheres to the approved Clean Water Program budget. Funding for the Clean Water Program is included in the approved 2020 Budget under Resource Management: Partner Programs: Water on pages 18-19.

SNC Policy Adherence: Allocation of Grants adheres to SNC's Purchasing Policy.

Lorie Henderson,
Administrative Assistant.

Grant Request

\$2,227.50

05 20 2306 DDA

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

CONTRACTOR

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

NO WATER. VERY OLD WELL THAT IS BELOW GRADE AND HAS BECOME UNUSABLE. ~~THE~~ DRILLED WELL THAT IS TOO SMALL TO ACCOMMODATE NEW EQUIPMENT.

Name of watercourse:

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.

DIG DOWN TO OLD WELL CAP, PULL PIPES AND VALVES OUT, SEAL TO OLD WELL AS PER PROPER PROCEDURES BY CONTRACTOR, FILL BACK HOLE.

Total estimated cost (excluding taxes): \$ 2475.00 (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:\$

00031

Grant Request: 375.00

05 20 2307 DDA



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

From Managed Forest Plan Approver, Mr Stewart Hamil

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

The forest on this land contributes and protect the watersheds

Name of watercourse: Near Castor River Distance from the watercourse: 1/2 mile

☒ 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.

Environmental protection by maintaining a healthy woodland with regular inspection and management Manage the white pine plantation to produce high value wood products

Total estimated cost (excluding taxes): \$ 500.00 (An itemized quote must accompany your application)

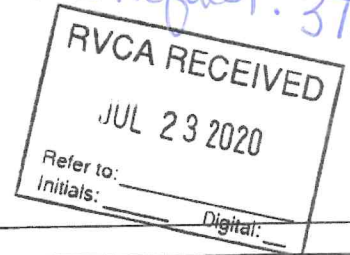
Have you applied for or received other funds for this project? ☐ Yes ☒ No

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

other source: _____ Amount:\$ _____

00032

Grant Request: 375.00



05 20 2307 DDA

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

From Managed Forest Plan Approver, Mr Stewart Hamil

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

The forest on this land contributes and protect the watersheds

Name of watercourse: Near Castor River

Distance from the watercourse: 1/2 mile

☒ 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.

Environmental protection by maintaining a healthy woodland with regular inspection and management Manage the white pine plantation to produce high value wood products

Total estimated cost (excluding taxes): \$ 500.00

(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:\$

00033

Grant Request:
\$ 675.00

05 202309 DDA

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

Air Rock Drilling

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

Well went dry.

Name of watercourse: _____ 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.

Drill new well

Total estimated cost (excluding taxes): \$ 750.00 (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:\$ _____

00034



To: Clean Water Committee
From: Ronda Boutz, Team Lead, Special Projects
Date: September 8, 2020
Subject: Summary of Clean Water Program Grant Applications

RECOMMENDATION:

No recommendation, this report is for information purposes.

DISCUSSION:

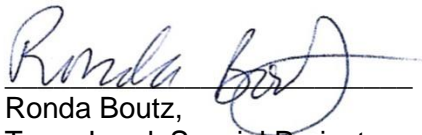
As per the Committees decision at the March 5th, 2020 meeting; projects have been rated under the 2020 rating sheets. A project must achieve a minimum rating score of 21.5 points to be allocated funding at the June and September Committee meetings. To be eligible for funding consideration (i.e. placed on a waiting list), a project must achieve a minimum rating score of 15.0 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. An additional \$6,000 is available for allocation from two 2019 approved projects that have indicated they are not proceeding.

FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:

Compliance with Budget: Clean Water Program funding and delivery adheres to the approved Clean Water Program budget. Funding for the Clean Water Program is included in the approved 2020 Budget under Resource Management: Partner Programs: Water on pages 18-19.

SNC Policy Adherence: Allocation of Grants adheres to SNC's Purchasing Policy.


Ronda Boutz,
Team Lead, Special Projects.

Attachments: Summary of 2020 Clean Water Program Applications



Summary of 2020 Clean Water Program Applications

Table 1: Applications Approved as of June 8th, 2020

Project Code	Project Type	Grant %	Grant Request	Rating
2020-NAT-CW19	Streambank Erosion	50%	\$5,000.00	24.6
2020-EDW-CW04	Well Decommissioning	100%	\$1,000.00	24.5
2020-NGR-CW08	Well Decommissioning	100%	\$1,000.00	24.1
2020-NGR-CW10	Well Decommissioning	100%	\$1,000.00	24.0
2020-APL-CW12	Well Decommissioning	100%	\$1,000.00	23.9
2020-NST-CW03	Manure Storage	50%	\$8,000.00	22.9
2020-SDU-CW05	Manure Storage	50%	\$8,000.00	22.8
2020-APL-CW14	Streambank Erosion	50%	\$5,000.00	22.8
2020-RUS-CW02	Manure Storage	50%	\$8,000.00	22.7
2020-NAT-CW07	Buffer Strip	50%	\$2,373.50	22.6
2020-CLR-CW18	Well decommissioning	100%	\$1,000.00	22.5
2020-APL-CW16	Streambank Erosion	50%	\$5,000.00	22.2
2020-NAT-CW06 A	Streambank Erosion	50%	\$5,000.00	21.8
Total Approved			\$51,373.50	

Table 2: Applications Deferred as of June 8th, 2020

Project Code	Project Type	Grant %	Grant Request	Rating
2020-NAT-CW06 B	Buffer Strip	50%	\$2,100.00	
2020-NST-CW09	Streambank Erosion	50%	\$5,000.00	
2020-NGR-CW10	Well Decommissioning	100%	\$1,000.00	
2020-NAT-CW13 A	Control Tile Drain	50%	\$5,000.00	
2020-NAT-CW13 B	Cover Crop	n/a	\$1,000.00	
2020-NAT-CW13 C	Streambank Erosion	50%	\$5,000.00	
2020-CAS-CW15	Streambank Erosion	50%	\$4,496.00	
Total Requested			\$23,596.00	

Table 3: Application Waiting List as of June 8th, 2020

Project Code	Project Type	Grant %	Grant Request	Rating
2020-CAS-CW11	Streambank Erosion	50%	\$5,000.00	18.7
2020-CAS-CW17	Streambank Erosion	50%	\$1,840.50	18.7
2020-NST-CW01	Well Decommissioning	100%	\$1,000.00	17.5
Total Requested			\$7,840.50	



Table 4: Grant Applications as of September 8, 2020

Project Code	Project Type	Grant %	Grant Request	Rating
2020-RUS-CW20	Cover Crop	N/A	\$1,000.00	
2020-NAT-CW21	Well Decommissioning	100%	\$500.00	
2020-CLR-CW22	Septic System	50%	\$2,000.00	
2020-CLR-CW23	Well Decommissioning	100%	\$1,000.00	
2020-APL-CW16B	Cover Crop	N/A	\$1,000.00	
2020-APL-CW24	Well Decommissioning	100%	\$1,000.00	
2020-EDW-CW25	Well Decommissioning	100%	\$1,000.00	
2020-CAS-CW26	Streambank Erosion	50%	\$5,000.00	
2020-CAS-CW27	Streambank Erosion	50%	\$5,000.00	
2020-CAS-CW28	Streambank Erosion	50%	\$1,656.50	
2020-CAS-CW29	Streambank Erosion	50%	\$1,656.50	
2020-NAT-CW30	Streambank Erosion	50%	\$4,500.00	
2020-NAT-CW31	Well Decommissioning	100%	\$1,000.00	
2020-NGL-CW32	Well Decommissioning	100%	\$850.00	
2020-NST-CW33	Well Decommissioning	100%	\$850.00	
Total Requested			\$28,013.00	

Table 5: Summary of Grant Requests for September 14th, 2020 Meeting

Applications	Total Grants Requested
Deferred Projects from June 8 th Meeting	\$23,596.00
New Applications for September 14 th Meeting	\$28,013.00
Total Requested	\$51,609.00
Total 2020 Grant Funds Available	\$8,626.50
2019 Grants Surplus*	\$6,000.00
Surplus/(Deficit)	(\$36,982.50)

**2019 approved erosion and well decommissioning projects not proceeding*

À L'USAGE DU BUREAU	Code du projet : 0020-APL-CW 16 B	Type de projet : Cover Crop
	Total des coûts du projet : \$ 2,200.00	Taux de subvention : %
	Subvention demandée : \$ 1,000.00	
	Représentant(e) du programme : Andre Pommerville	

4. Autres sources de financement

Avez-vous demandé ou reçu d'autres fonds pour ce projet? ☐ Oui ☒ Non

Si oui, de quelle(s) source(s) :

Montant \$

Montant \$

5. Conditions existantes

(Assurez-vous que le texte soit écrit de manière lisible)

Quel sont les effets de la qualité de l'eau dans votre situation actuelle? Erosion des Champs

Perte de nutriment par lessivage et Vent
Field Erosion with nutrient losses due to
surface and wind erosion.

Nom du cours d'eau : Drain Chartrand

☐ Rivière ou ruisseau

☐ Zone humide

☒ Drain municipal

☐ Drain privé

6. Projet proposé

(Assurez-vous que le texte soit écrit de manière lisible)

Décrivez les travaux que vous prévoyez faire. Veuillez vous reporter aux Lignes directrices de projet pour connaître en détail ce qui est exigé pour votre projet.

Ensemencement Engrais Vert, Pour couvrir le
sol jusqu'au Printemps - Seeding of cover crops
to cover soil until Spring.
- Disk et Cultivateur 30.00 - Preparation of soil - \$30.00/acre
- Ensemencement Blé automne 25.00 - Seeds - wheat - \$25.00/acre
Total : 55.00 ac x 40 acres = \$ 2200.00

Total des coûts estimés (taxes exclues) : \$ 2200.00 (Une soumission détaillée doit accompagner votre demande.)

FOR OFFICE USE:	Project Code: <u>2020-RUS-21020</u>	Project Type: <u>Cover Crop</u>
	Total Project Cost: \$ <u>1,790.00</u>	Grant Rate: %
	Grant Requested: \$ <u>1,000.00</u>	
	Program Representative: <u>Andre Pommainville</u>	

4. Other Sources of Funding

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

Yes ☒

No ☐

If yes, indicate source: Cover crop

Amount: \$ 1000

source: _____

Amount: \$ _____

5. Existing Situation

(Please ensure writing is legible)

What is the water quality impact from your current situation?

less possible runoff into municipal drain

Name of adjacent watercourse: Wilson drain

☐ 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.

We planted a cover crop consisting of 5 different species of plants. Tillage radish, Oats, Barley, Wheat and Peas.

Total estimated cost (excluding taxes): \$ 1790 (An itemized quote must accompany your application)

9 bags of tillage radishes. \$160/bag = \$1440

1 ton of mixed oats/wheat/barley and Peas = \$350

Total. \$1790

À L'USAGE DU BUREAU	Code du projet : 2020-NAT-CW21	Type de projet : Well Decommission
	Total des coûts du projet : 500.00 \$	Taux de subvention : 100 %
	Subvention demandée : \$ 500.00	
	Représentant(e) du programme : André Pommerville	

4. Autres sources de financement

Avez-vous demandé ou reçu d'autres fonds pour ce projet? ☐ Oui ☒ Non

Si oui, de quelle(s) source(s) : _____

Montant : _____ \$

Montant : _____ \$

5. Conditions existantes

(Assurez-vous que le texte soit écrit de manière lisible)

Quel sont les effets de la qualité de l'eau dans votre situation actuelle? N.A. Le puit n'est plus utilisé. - Unused for almost 50 years - drilled well inside poultry barn & barn will be destroyed where well was situated.

Nom du cours d'eau : South River (2 km)

☒ Rivière ou ruisseau
☐ Drain municipal

☐ Zone humide
☐ Drain privé

* 6. Projet proposé

(Assurez-vous que le texte soit écrit de manière lisible)

Décrivez les travaux que vous prévoyez faire. Veuillez vous reporter aux Lignes directrices de projet pour connaître en détail ce qui est exigé pour votre projet.

Abandonner un puit qui ne rencontre pas les distances de séparation réglementées pour une nouvelle construction (poulailler). Le puit a été désaffecté conformément au Règlement 903 avant de commencer la construction du nouveau poulailler par Raymond Pump + Well (7260).

Total des coûts estimés (taxes exclues) : 500 \$ (Une soumission détaillée doit accompagner votre demande.)

* b. Abandon a well that is not meeting the regulatory separation distances for a new construction (Poultry barn). The well was decommissioned according to Regulation 903 before starting new construction. Done by Raymond Pumps and well (7260).

FOR OFFICE USE:	Project Code: 2020-CLR-CW22	Project Type: Septic
	Total Project Cost: \$ 25,550.00	Grant Rate: 50 %
	Grant Requested: \$ 2,000.00	
	Program Representative: Andre Pommerville	

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?

Tree roots got into the pipes of the septic bed which causes improper waste water distribution and pooling.

Name of adjacent watercourse: N/A

☐ 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.

Replace the septic tank, pumping chamber, distribution box, and the septic bed.

Total estimated cost (excluding taxes): \$ 25,550 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-CLR-CW23	Project Type: Well Decommission
	Total Project Cost: \$ 2,373.00	Grant Rate: 100 %
	Grant Requested: \$ 1,000.00	
	Program Representative: Andre Pommerville	

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? _____

Our current well is right next to our neighbours we'll and was continually running out of water each year as it did not seem to hold much. We have just had a new well dug on the other side of our property away from all neighbours, hoping to have a better source of water. The same company is decommissioning the old well.

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.

See above

Total estimated cost (excluding taxes): \$ • 2373.00 (An itemized quote must accompany your application)

À L'USAGE DU BUREAU	Code du projet : 2020-APL-CW24	Type de projet : Well Decommission
	Total des coûts du projet : \$2,373.00	Taux de subvention : 100 %
	Subvention demandée : \$1,000.00	
	Représentant(e) du programme : Andie Pommainville	

4. Autres sources de financement

Avez-vous demandé ou reçu d'autres fonds pour ce projet? ☐ Oui ☒ Non

Si oui, de quelle(s) source(s) : _____

Montant : _____ \$

Montant : _____ \$

5. Conditions existantes

(Assurez-vous que le texte soit écrit de manière lisible)

Quel sont les effets de la qualité de l'eau dans votre situation actuelle ? SUITE A L'INSTALLATION D'UN

SYSTEME DE FILTRATION UV, LA QUALITÉ ÉTAIT SATISFAISANTE.

TOUTEFOIS, LA QUANTITÉ NE POUVAIT SATISFAIRE A UN USAGE

COURANT POUR 2 PERSONNES. MÊME LORS DE L'AJOUT D'EAU A PARTIR

D'EAU PUISÉ ET DÉVERSÉ DANS LE Puits, L'EAU SE RÉSORBE DANS LE SOL. IL EST IMPOSSIBLE D'ACCUMULER UNE RÉSERVE.

Nom du cours d'eau : _____

N/A

☐ Rivière ou ruisseau

☐ Zone humide

☐ Drain municipal

☐ Drain privé

6. Projet proposé

(Assurez-vous que le texte soit écrit de manière lisible)

Décrivez les travaux que vous prévoyez faire. Veuillez vous reporter aux Lignes directrices de projet pour connaître en détail ce qui est exigé pour votre projet.

CONSTRUCTION D'UN Puits AVEC FILTRE A SABLE POUR

ASSURER UNE RÉSERVE

- Construction of a new well with sand fill to provide a good reserve.

Total des coûts estimés (taxes exclues) : 2373\$ \$ (Une soumission détaillée doit accompagner votre demande.)

English translation { *5. Following the installation of a UV system, water quality was sufficient, however, the quantity was insufficient for 2 people. Even with the addition with a water-tank tanker, unable to have any reserve in the well

Formulaire de demande pour le Programme d'assainissement de l'eau 2020

FOR OFFICE USE:	Project Code: <u>2020-EDW-CW25</u>	Project Type: <u>Well Decommission</u>
	Total Project Cost: \$ <u>3,400.00</u>	Grant Rate: <u>100</u> %
	Grant Requested: \$ <u>1,000.00</u>	
	Program Representative: <u>Adrian Wynands</u>	

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

☐ 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.

Decommission shallow well for safety

concern for the children.

The well is unused anyway.

Total estimated cost (excluding taxes): \$ 3,400 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-CAS-LW26	Project Type: Erosion
	Total Project Cost: \$ 12,844.25	Grant Rate: 100%
	Grant Requested: \$ 5,000.00	
	Program Representative: Andre Pommerville	

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? FOR EROSION CONTROL (FOR PREVENTION)
OF ANY EROSION

Name of adjacent watercourse: SOUTH NATION

☒ 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.

Streambank erosion control with rip rap
stone and geotextile membrane

Total estimated cost (excluding taxes): \$ 12,844.25 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: <u>2020-CAS-CW27</u>	Project Type: <u>Erosion</u>
	Total Project Cost: \$ <u>16,200.00</u>	Grant Rate: <u>50</u> %
	Grant Requested: \$ <u>5,000.00</u>	
	Program Representative: <u>Andre Pommerville</u>	

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?

The riverbank has collapsed in one spot and is eroded underneath in another. Stone would reinforce and stabilize riverbank.

Name of adjacent watercourse: South Nation River

☒ 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.

Install flat limestone boulders from local quarry to create shoreline erosion protection retaining wall with geo-technical erosion cloth both behind the wall and also from the shore out into the water for sediment control prior to start of project. Backfill with existing fill. Height of stone to flush with riverbank height. 3 metre geo-technical setback.

Total estimated cost (excluding taxes): \$ 16,200.00 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-CAS-LW28	Project Type: Erosion
	Total Project Cost: \$ 3,313.00	Grant Rate: 50 %
	Grant Requested: \$ 1,656.50	
	Program Representative: Andre Pommerville	

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?

- the Shoreline is being pulled into the river causing
Sediment and water mix up 20 Wavy conditions

Name of adjacent watercourse

South Nat 5 River

☒ 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.

- excavating Shoreline to a 30 degree angle to the shores
existing grade. Placing geo textile fabric and then rip rap
stone placed.

- Silt curtain will be installed prior to work being
conducted.

Total estimated cost (excluding taxes): \$

3313

(An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-CAS-CW29	Project Type: Erosion
	Total Project Cost: \$ 3,313.00	Grant Rate: 50 %
	Grant Requested: \$ 1,656.50	
	Program Representative: Andre Pommerville	

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?

The shoreline is being eroded by stream and waves created by busy boat traffic. Mixing sediment with clean water.

Name of adjacent watercourse: South Nation River

☒ 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.

- create sediment control barrier.
- Excavating shoreline (NO IN-WATER work) to a 30 degree angle. (2:1 slope)
- Geotextile filter installed underneath RIP-RAP
- Install rip-rap rock below the HWM (HIGH WATER MARK) AND ABOVE NORMAL summer levels.
- revegetate riparian area using native vegetation.

Total estimated cost (excluding taxes): \$ 3313 (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-NAT-CW30	Project Type: Erosion
	Total Project Cost: \$9,000.00	Grant Rate: 50 %
	Grant Requested: \$4,500.00	
	Program Representative: Andre Pommerville	

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? Land sliding in watercourse
and Bank Eroding in the River

Name of adjacent watercourse: Petite Castor

☒ 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.

To prevent Erosion (Land Slide)
Install Filter cloth and Add large stone
and Blasted Rock along the Bank

Total estimated cost (excluding taxes): \$ 9,000 (An itemized quote must accompany your application)

À L'USAGE DU BUREAU	Code du projet : 2020-NAT-CW31	Type de projet : well Decommission
	Total des coûts du projet : \$2,100.00	Taux de subvention : 100 %
	Subvention demandée : \$1000.00	
	Représentant(e) du programme : Andre Pommainville	

4. Autres sources de financement

Avez-vous demandé ou reçu d'autres fonds pour ce projet? ☐ Oui ☐ Non

Si oui, de quelle(s) source(s) : _____

Montant : _____ \$

Montant : _____ \$

5. Conditions existantes

(Assurez-vous que le texte soit écrit de manière lisible)

Quel sont les effets de la qualité de l'eau dans votre situation actuelle ? Insuffisance d'eau
(Lack of water)
puits 5' de la maison - 42" de diamètre
environ 15' de profondeur
well 5' from house - 42" diameter by 15' deep

Nom du cours d'eau : _____
N/A

☐ Rivière ou ruisseau

☐ Zone humide

☐ Drain municipal

☐ Drain privé

6. Projet proposé

(Assurez-vous que le texte soit écrit de manière lisible)

Décrivez les travaux que vous prévoyez faire. Veuillez vous reporter aux Lignes directrices de projet pour connaître en détail ce qui est exigé pour votre projet.

Creuser un nouveau puits.
(digging of a new well)

Total des coûts estimés (taxes exclues) : \$2,100.00 \$ (Une soumission détaillée doit accompagner votre demande.)

to come from Mr. Sarault

FOR OFFICE USE:	Project Code: <u>2020-NGL-CW32</u> Project Type: <u>Well Decommission</u>
	Total Project Cost: \$ <u>850.00</u> Grant Rate: <u>100</u> %
	Grant Requested: \$ <u>850.00</u>
	Program Representative: <u>Rene Lalonde</u>

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? The well does not provide sufficient water. The well is directly beside the driveway and only ten feet from road. It could become contaminated leading contamination of watershed.

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.

Well abandonment via Bourgeois well drilling.
Cut casing 2 two metres below ground.
Fill entire casing with bentonite grout.

Total estimated cost (excluding taxes): \$ 850.- (An itemized quote must accompany your application)

FOR OFFICE USE:	Project Code: 2020-NSF-CW33	Project Type: Well Decommission
	Total Project Cost: \$ 850.00	Grant Rate: 100 %
	Grant Requested: \$ 850.00	
	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? _____

existing well is too close to the septic tank. the water remains full of sulfur even with a chlorine injection system. the water is no fit to drink

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.

drill a new well the appropriate distance from the septic tank

Total estimated cost (excluding taxes): \$ 850.00 (An itemized quote must accompany your application)



SMALL GRAINS PROGRAM 2021

Earn \$40/acre on up to 100 acres by adding a small grain followed by a legume cover crop or forage legume.

HOW DO I PARTICIPATE IN THE PROGRAM?

- Diversify your rotation by planting a **small grain** (wheat, spelt, oats, barley, rye and triticale, etc) to be harvested in 2021 followed by a **cover crop or forage crop** with at least one legume species.
- Provide program feedback and information on your practices and expenses in the small grain year and the following year.
- Attend at least **one** learning opportunity in the **Small Grains Network**, such as a shared learning call, a field day or workshop.
- Become an EFAO member. As a member, you gain access to the online community forum, quarterly print newsletter, discounted rates on all EFAO events, and much more.

WHAT SUPPORT WILL I RECEIVE AS A PART OF THE NETWORK?

In addition to the payment of \$40/acre up to 100 acres, you will have access to the **Small Grains Network** that includes:

- Monthly shared learning calls on a small grains production and marketing topic
- Monthly e-newsletters with resources on small grains and diverse rotations
- Field days on small grains production and diverse rotations
- Opportunity to attend the annual small grains conferences in midwest US
- Connection to a community of other farmers interested in small grains
- Opportunities for experienced growers to be paid for mentorship
- Opportunities to conduct farmer-led research on small-grains production

*Those not selected for the payment and those who are already growing small grains will have the opportunity to participate in the Small Grains Network.

For more information or to apply to the Small Grains Program visit efao.ca/small-grains/ or contact Maureen at maureen@efao.ca.

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