



Board of Directors - Notice of Meeting

**November 8th, 2018- 10:00 a.m.,
Administration Office, Strathroy**

Tentative Agenda

1. Chair's Remarks
2. Adoption of the Agenda
3. Declaration of Pecuniary Interests
4. Minutes
 - 4.1 Board of Directors September 20, 2018 Minutes
5. General Manager's Report
 - 5.1 GM's Report
 - 5.2 SCRCA Bylaws
6. Chair & Conservation Ontario Report
 - 6.1 CO September 24, 2018 minutes
7. Business Arising from Last Meeting
8. Conservation Area Reports
 - 8.1 Conservation Areas Update
9. Water Resources Reports
 - 9.1 Current Watershed Conditions and Great Lakes Water Levels
 - 9.2 Floodplain Mapping Project
10. Biology Reports
 - 10.1 Healthy Watershed Program Outreach Update
 - 10.2 Sydenham Watershed Plan for Phosphorus Management
 - 10.3 North Sydenham Mussel Inventories
 - 10.4 SCRCA and Ducks Unlimited Wetland Monitoring
 - 10.5 Species at Risk Legislation and Drainage Works
11. Conservation Services Reports
 - 11.1 Conservation Services Report
12. Planning and Regulations Reports
 - 12.1 Drainage Act and Conservation Authorities Act Protocol (DART)
 - 12.2 Regulations Activity Summary – September, 2018
 - 12.3 Violation Summary (verbal) – September, 2018
 - 12.4 Planning Activity Summary – September, 2018
13. Finance Reports
 - 13.1 Revenue and Expense Summary
 - 13.2 September 1 – October 24 2017 Disbursements
 - 13.3 2018 General Levy Summary
 - 13.4 Investment Reports
 - 13.5 2019 Draft Fees
 - 13.6 Comments regarding 2019 Draft Budget

- 13.7 Joint Health & Safety Committee June 27, 2018 Minutes
- 13.8 Nominating Committee
- 13.9 2019 Tentative Schedule of Meetings
- 14. Communications Reports
 - 14.1 Communications Progress Report
 - 14.2 Conservation Education Progress Report
 - 14.3 St. Clair River Area of Concern Report
- 15. New Business
- 16. Adjournment

Please contact Ashley (519-245-3710/ 1-866-505-3710 x 200 or e-mail Afletcher@scrca.on.ca) at the Administration Office by November 5, 2018, if you are unable to attend.

Board of Directors Proposed Resolutions

1. Chair's Remarks
2. **Moved by:** Adoption of Agenda **Seconded by:**
3. It is requested that each Director declare a conflict of interest at the appropriate time, on any item within this agenda in that a Director may have pecuniary interest.
- 4.1 **Moved by:** That the minutes of the Board of Directors meeting, held September 20, 2018, be approved as distributed. **Seconded by:**
- 5.1 **Moved by:** That the Board of Directors acknowledges the General Manager's report, dated October 30, 2018. **Seconded by:**
- 5.2 **Moved by:** That Board of Directors acknowledges the revisions made to the draft of the new St. Clair Region Conservation Authority Bylaws as required through the revisions to the Conservation Authorities Act (Dec 2017) and further that

- 6.1 **Move by:** That the Board of Directors acknowledges the minutes of the Conservation Ontario Council meeting held on September 24, 2018 at Black Creek Pioneer Village in Toronto. **Seconded by:**
- 7.1 **Moved by:** That the Board of Directors acknowledges the updates on business arising from the September 20, 2018 Board of Directors meeting. **Seconded by:**
- 8.1 **Moved by:** That the Board of Directors acknowledges the Conservation Lands Update, dated October 24, 2018 on Conservation Areas, Foundation, and McKeough Lands including capital projects, facility improvements and camping trends in 2018. **Seconded by:**
- 9.1 **Moved by:** That the Board of Directors acknowledges the report dated October 24, 2018 on the current watershed conditions and Great Lakes water levels. **Seconded by:**

and further that the Nominating Committee's recommendation for the 2019 committee membership be presented at the Annual General Meeting.

13.9 **Moved by:** **Seconded by:**
 That the Board of Directors approves the 2019 tentative schedule of meetings for the Board of Directors and Committees, dated October 22, 2018.

14.1 **Moved by:** **Seconded by:**
 That the Board of Directors acknowledges the Communications Report dated October 23, 2018 including memorial forests, conservation awards, Conservation Foundation update and conservation education fundraising.

14.2 **Moved by:** **Seconded by:**
 That the Board of Directors acknowledges the Conservation Education Report, dated October 24, 2018 including fall education programs and events.

14.3 **Moved by:** **Seconded by:**
 That the Board of Directors acknowledges the St. Clair River Area of Concern report dated October 25, 2018.

15. New Business

16. **Moved by:** **Seconded by:**
 That the meeting be adjourned.



Board of Directors Meeting Minutes

Date: September 20, 2018 Time: 10:00 a.m.
Administration Office, Strathroy

Present: Steve Arnold, Chair; Andy Bruziewicz, Vice Chair; Diane Brewer, Tony Bruinink, Joe Faas, Norm Giffen, Larry Gordon, Betty Ann MacKinnon, Kevin Marriott, John McCharles, Dan McMillan, Steve Miller, Frank Nemcek, Gerry Rupke, Cindy Scholten, Jeff Wesley, Jerry Westgate, Muriel Wright

Regrets: Alan Broad, Mike Kelch

Staff Present: Brian McDougall, General Manager; Erin Carroll, Manager of Biology; Donna Blue, Manager of Communications, Dallas Cundick, Environmental Planner/Regulations Officer; Nicole Drumm, Communication Technician; Chris Durand, IT/GIS Coordinator; Ashley Fletcher, Administrative Assistant/ Board Coordinator; Tracy Prince, Director of Finance; Girish Sankar, Manager of Water Resources

The Chair welcomed everyone to the meeting. It was requested that each Director declare a conflict of interest at the appropriate time, on any item within this agenda in that a Director may have pecuniary interest.

BD-18-105

Scholten-Miller

“That the Board of Directors adopts the agenda for the meeting as presented.”

CARRIED

Minutes of the June 28, 2018 meeting were reviewed.

BD-18-106

Gordon-Wesley

“That the minutes of the Board of Directors meeting, held June 28, 2018, be approved as distributed.”

CARRIED

New Minister and Ministry:

- As alluded to at the June Board meeting, Conservation Authorities are just one of several initiatives that have change Ministries with the cabinet appointments of the new Provincial government
- The Ministry of Environment, Conservation and Parks will be the new parent Ministry for Conservation Authorities with a transition expected to begin this fall and be completed in 2019

Minister's Visit:

- Minister Rod Phillips of the Ministry of Environment, Conservation and Parks will be visiting Wawanosh Conservation Area in October, 2018 (date to be determined)
- The Minister has asked for a tour and a short meeting at the Area between other meetings in the area

Environmental Commissioners Visit:

- Environmental Commissioner Dr. Dianne Saxe has requested to meet with SCRCA staff on October 5th, 2018 for a tour of the north end of the watershed and to discuss environmental issues such as phragmites and forest cover.

Canada Nature Fund Application:

- The Canada Nature Fund (CNF) was established by the federal government earlier this year with the following objectives in mind:
 - motivate and support the efforts of Canadians whose participation is critical to achieving success in nature conservation
 - support a new approach to the conservation of biodiversity through targeted federal investments that enhance collaboration and partnership on protected and conserved areas and species at risk with the objective of conserving at least 17% of terrestrial areas and inland waters of Canada by 2020 through protected areas, Indigenous protected and conserved areas, and other effective area-based conservation measures
- The CNF will provide federal funding of \$500 million over five years and matched through leveraged partnership support from foundations, provinces, territories, the corporate and not-for-profit sectors, and others, totaling at least \$1 billion being raised for conservation action
- The CNF will help to establish protected and conserved areas, secure private land, and support terrestrial- and aquatic-species protection efforts by provinces, territories, Indigenous Peoples, and stakeholders
- The CNF's Quick Start component of the overall fund is directed to advance nearly ready projects and support capacity to help build momentum toward achieving Canada's commitments
- The Authority's proposal, taking into account the CNF's requirements considered the following:
 - Improved protection of owned and managed properties – boundaries markers, signage, access controls, invasive species control, and ensuring zoning and incentive programs control future property uses and control taxes
 - In late 2017, we identified that a Land Acquisition Strategy would assist in both accepting donated properties (including any necessary severances)

- as well as reviewing properties for disposal and acquisition where appropriate – CNF grant funds could assist in the completion of this work
- Areas of significance for natural heritage continue to be under pressure of development and agriculture – in some cases the only opportunity to protect these areas is through acquisition
 - Tree planting on private and corporate lands continues at a steady rate annually across the watershed – however, with diminishing open areas on Authority or municipally owned lands, tree planting space is difficult to find – through review of best management practices on Authority owned and managed lands, some open areas may be made available for tree planting, but the acquisition of land would also present opportunities to complete additional reforestation projects where they will be protected long term
- Therefore, the Authority’s proposal included the following:
 - Development of a long term Land Acquisition Strategy for the Authority that will provide direction on property assessment, prioritization, identifies and states plans and priorities of other local and regional natural heritage protection organizations and outlines potential funding assistance alternatives
 - Obtain through purchase or donation 100 hectares - environmentally sensitive properties that are strictly obtained for protection or require environmental enhancement or expansion
 - Research and monitoring to assess the value and importance of existing and prospective lands by obtaining improved and more scientific understanding of these lands as well as assisting with the updating of management plans for these parcels
 - Protection of existing lands - rezoning properties to ensure that their environmental importance is recognized in officials plans, improving property boundary markers and signage and implementing or expanding protection programs such as invasive species control, controlling access
 - The overall project cost is estimated at \$1.4 million with \$460,000 requested under the Quick Start component

BD-18-107

Rupke-Giffen

“That the Board of Directors acknowledges the General Manager’s report, dated September 10, 2018.”

CARRIED

At the June meeting of the Board of Directors approved the commenting procedure for Environmental Registry postings.

Staff have reviewed the volume of emails regarding posting and will be amending the review portion of the procedure by expanding the list of words and phrases that trigger email correspondence from the Environmental Registry (“Registry”) and an additional staff member will be sharing the review duties

The approved commenting procedure includes:

1. Authority staff have established a list of words and phrases that have been provided to the Registry (the list is shown in the table below). Any postings containing any of these words and phrases are then automatically emailed to the Planning Ecologist and the General Manager. A copy of this list is found at right.

The updated procedure will state:

1. Authority staff have established a list of words and phrases that have been provided to the Registry (the list is shown in the table below). Any postings containing any of these words and phrases are then automatically emailed to either the Planning Ecologist, the Planner or the General Manager.

The separation of the list into 3 sectors and the revision of the list to narrow the focus of review to our region is expected to reduce the number and duplication of e-mails being received for review.

Since July 1st over 400 emails were reviewed with less than 10 being specific to our region or overall concerns of the Authority. All of those postings of interest had been reviewed by, commented on or processed by the Authority previously.

The updated list of words and phrases is found below:

Environmental Registry Alerts

Keyword Alerts

Planning Ecologist	Planner	General Manager
Biodiversity	Local Planning Appeal Tribunal	Conservation Authority
Conservation	Ontario Municipal Board	CA Act
Endangered Species	Planning Act	Lambton County
Natural Heritage	Natural Hazards	Middlesex County
Species At Risk	Flood	Chatham-Kent
Wetland	Shoreline	Adelaide Metcalfe
Woodland	Provincial Policy Statement	Brooke-Alvinston
Woodlot		Dawn-Euphemia
Sydenham River		Enniskillen
St. Clair River		Lambton Shores
Lake Huron		Middlesex Centre
Lake St. Clair		Oil Springs
		Newbury
		Petrolia
		Plympton Wyoming
		Point Edward
		Sarnia
		Southwest Middlesex
		St. Clair
		Strathroy-Caradoc
		Warwick
		Integrated Pest Management
		Stewardship

BD-18-108

Marriott-MacKinnon

“That the Board of Directors acknowledges the report, dated September 10, 2018 regarding the review of Environmental Registry postings and further approves the amendments to the Environmental Registry Commenting Procedure.”

CARRIED

Draft 1 of the St. Clair Region Conservation Authority Administrative By-Laws was reviewed.

- Building Better Communities and Conserving Watersheds Act passed in December of 2017. The legislation included a requirement that Conservation Authorities must update their Authority bylaws by December 2018
- Conservation Ontario is working with MNR to provide a template for all Authorities to use in updating their bylaws
- In April 2018, Conservation Ontario Council reviewed and approved the template for use by Authorities in drafting new bylaws
- This meeting provides the Board's first opportunity to review and provide comments on the draft
- The Board's November meeting will provide a second opportunity to review and provide comments
- The final draft will be presented for approval at the Board's December meeting
- Staff have been diligently working on incorporating our existing policies into the new bylaw template in those sections where existing policies exceed the proposed policies – in other areas, the proposed policies are new or exceed our existing policies
- Staff have made note of five particular items which several items that may be of interest to the Board to be brought to your attention:

Points of Review:

1. Use of the term "Chief Administrative Officer": "Chief Administrative Officer" or "CAO" has been adopted in this By-law document in place of "General Manager" as the trend across the province's other Conservation Authorities has been to adopt the title "CAO" rather than "General Manager." The current General Manager's recommendation would be for the title of his future successor to be "Chief Administrative Officer" for consistency with other Conservation Authorities. Throughout the by-law, the term "Secretary-Treasurer" is used, as that is the role defined in the Act. In Section 2.0 Definitions "Chief Administrative Officer" is defined as follows:
"Chief Administrative Officer" ("CAO") means the General Manager or Chief Administrative Officer of the Authority, and which may, by resolution of the Authority, include the responsibilities of the Secretary-Treasurer.
2. The Authority is required to have a Code of Conduct and Conflict of Interest Policy under the Act.

3. Some Authorities impose a maximum number of terms that a Chair and/or Vice-chair are eligible to stand for re-election to the same office. This is not outlined in the Act. A maximum term can be established if the Board sets a resolution.

Proposed wording options for By-law Section 3.4 Maximum Term for Chair and Vice-Chair(s):

- a) There is no maximum number of terms that a Chair and/or Vice-Chair(s) are eligible to stand for re-election to the same office.
 - b) A Member may only serve as Chair and/or Vice-Chair for [#] of one-year terms.
 - c) A Chair and/or Vice-Chair(s) may serve in the same position for no more than [#] one-year terms. In any [#] year period, no Chair and/or Vice-Chair(s) may serve for more than [#] consecutive years.
 - d) A Member shall not serve as Chair and/or Vice-Chair for more than [#] consecutive full one-year terms. A Chair and/or Vice-Chair who has been elected to a partial term to fill a vacancy shall not be considered to have served such term for purposes of determining whether such person is eligible to succeed themselves. A Member shall be eligible to serve as Chair and/or Vice-Chair after a lapse of [#] year.
4. Note the following wording for By-law Section 4.10 Delegations:
 - a) Any person or organization who wishes to address the Authority may make a request in writing or email to the Secretary-Treasurer. The request should include a brief statement of the issue or matter involved; the position to be taken; a brief statement of the general outcome expected by bringing the issue or matter to the Members; indicate the name, title (if applicable) and contact information of the proposed speaker; and any or all presentations and/or documents to be circulated to the Members (all materials must be AODA compliant). If such request is received fourteen (14) days in advance of a scheduled meeting, the delegation shall be listed on the published agenda.
 - b) Any person or organization requesting an opportunity to address the Authority, but not having made a written request to do so in the timelines specified above, may appear before the meeting if approved by a majority of Members present, or shall be listed on the published agenda for the following meeting.
 - c) Except by leave of the Chair or appeal by the leave of the meeting, delegations shall be limited to one (1) speaker for not more than ten (10) minutes.

- d) Speakers will be requested not to repeat what has been said by previous speakers at the meeting. Delegations are limited to one meeting of either the Board of Directors, Executive Committee or advisory board, except by approval of the Chair to be heard at an additional meeting(s).
 - e) A returning delegation will only be allowed to speak again if new, relevant information has become available since their previous presentation. The Chair may choose to end a returning delegation's presentation if, in the opinion of the Chair, the new information being presented is not relevant to a decision facing the General Membership.
5. Note that the By-laws will be reviewed every four years as per Section 3.18 By-law Review:
- a) In accordance with the Act, these By-laws shall be reviewed by the Authority to ensure the By-laws are in compliance with the Act and any other relevant law.
 - b) The General Membership shall review the By-laws every four (4) years to ensure best management practices in governance are being followed to comply with Section 19.1 of the Act.

Director's Comments:

The Directors supported the following edits to Draft 1 to the SCRCA Bylaws:

- 3.4 Maximum Term for Chair and Vice Chair(s) – There is no maximum number of terms that a Chair and/or Vice-Chair(s) are eligible to stand for re-election to the same office.
- 4.14 Notice of Motion – 4th paragraph to be struck
- 4.17 Conduct of Members – Item b to be struck
- 6.3.4 Election Procedures – Lot to be drawn after 2nd tied vote.

BD-18-109

Bruziewicz-Westgate

“That the Board of Directors acknowledges the draft of the new St. Clair Region Conservation Authority Bylaws as required through the revisions to the Conservation Authorities Act (Dec 2017) and further acknowledges the proposed timeline for review and approval of the Bylaws by November 8, 2018.”

CARRIED

Minutes of the Conservation Ontario Council Meeting on June 25, 2018 were reviewed.

BD-18-110

Bruinink-Miller

“That the Board of Directors acknowledges the minutes of the June 25, 2018, Conservation Ontario Council meeting.”

CARRIED

- The Board of Directors requested a report comparing current and new investment options across various banking institutions. A report will be provided in December, 2018.
- The Board of Directions expressed concern regarding the need for increased accuracy in floodplain mapping.

BD-18-111

Gordon-Scholten

“That the Board of Directors acknowledges the updates on business arising from the June 28, 2018, meeting.”

CARRIED

Conservation Areas:

- The Conservation Authority owns 15 conservation areas and manages 17 properties for the Foundation
- Of those 15 conservation areas, 6 are managed by the local municipality and 9 are operated by the Conservation Authority
- Of these 9, 3 conservation areas are regional campgrounds which attract campers from primarily Southwestern Ontario
- Our three regional campgrounds have over 500 campsites and 420 seasonal campers and are financial self sufficient
- Profits obtained from our campgrounds are used to offset capital improvements
- The camping season in 2018 ends on Thanksgiving Day

Warwick Conservation Area

- Hydro service, lights and a new ag tuff ceiling were installed in the storage shed
- The 9 hole mini golf course has been upgraded with new carpet and 4 x 4 lumber
- Roads have been upgraded with gravel
- All interior and exterior light fixtures have been upgraded with LED bulbs
- A new laundry shed has been constructed at the main washroom building
- Two hydro panels have been upgraded

L.C. Henderson Conservation Area

- Playground equipment surfacing has been upgraded with engineered wood chips and subsurface drainage

- Roads have been upgraded with gravel
- Trailer pads have been installed on 9 campsites in the Towerview camping area
- All interior and exterior light fixtures have been upgraded with LED bulbs
- A new solar pole light has been installed in the un-serviced camping area
- 36 stumps have been removed and the area leveled with topsoil
- 2 shade canopies were installed at the pool
- A catch basin and subsurface tile drainage will be installed on two campsites

A.W. Campbell Conservation Area

- A new concrete sidewalk has been installed in front of the pool washroom building
- A hydro panel has been upgraded in the main campground
- Roads have been upgraded with gravel
- Playground equipment surfacing has been upgraded with engineered wood chips (Foundation Funded)
- The pavilion roof has been replaced with steel
- All interior and exterior light fixtures have been upgraded with LED bulbs
- A 9 hole portable mini golf course has been constructed (Foundation)
- Roadway improvements will be completed to the main entrance road between the river crossing and the main parking lot (fall 2018)

Highland Glen Conservation Area:

- Approximately 60 feet of new walkway has been installed along the inside of the boat ramp (funded through 2017 fees)
- A new beacon light has been installed on the outer seawall
- A set of steel stairs were installed to provide better and safer beach access
- Welding repairs have been completed on a section of the south seawall

Other Lands Activities:

- Sub-surface drainage and soil erosion works have been completed on Property 82 (McKeough Upstream lands)
- Wetlands have been developed on Property 82 and 103 (McKeough Upstream lands)
- A new property identification sign has been installed at the Strathroy Conservation Area
- 13 stumps have been removed from along the access roadway at CJ McEwen
- Bannerstone (Foundation) – property access gates, signage, and a small parking area has been constructed
- County Rail Trail – conservation lands staff have been maintaining the trail this year; this involves the cutting of grass along the trail edge, removing dead or dangerous trees, trimming trees and grass around the access gates and grading the trail surface

Marketing/Camping Statistics:

Our conservation areas have been marketed in the following publications or events in 2018:

- Sarnia Lambton and Chatham-Kent Tourism Guide
- Camping ad has been placed on MyFm website
- Conservation Ontario – “Your Guide to Conservation Areas”
- Central Lambton Travel Guide
- Hayter Publication’s Special Editions (4) “Cottage and Campers”
- Sarnia Art Walk (Downtown Sarnia, June 3rd and 4th)
- 420 full & half seasonal campers have registered in our 3 campgrounds, up from 415 in 2017. 190 seasonal campers are registered at Warwick (189 in 2017), 122 at LC Henderson (119 in 2017) and 108 at A.W. Campbell (107 in 2017).

BD-18-112

Wright-McMillan

“That the Board of Directors acknowledges the Conservation Lands Update, dated August 27, 2018 on Conservation Areas, Foundation, and McKeough Lands including capital projects, facility improvements and camping trends in 2018.”

CARRIED

Current Watershed Conditions:

- Reasonably wet conditions throughout August has resulted in higher than average current river levels as a response to several major events in August. This affected areas mostly in the central parts of the watershed. River levels are above the average at most gauging stations into August.

Precipitation:

- With a wet June followed by a drier month of July, wet conditions returned in August with several intense storm systems, which stalled over SW Ontario, resulted in the average 3 month precipitation numbers close to 109.5% of normal and overall six month numbers slightly above expected at 105.7%.
- Wetter summer months in 2018 increased the 12 month numbers higher than average at 102.7%

Weather Conditions and Forecast:

August

- First half of the month has seen a lot of warm temperatures with the last half expecting seasonal to slightly higher temperatures
- Precipitation generally normal but susceptible to intense thunderstorm conditions

ENSO Conditions

- Trending towards El Nino conditions, however not quite into the influence - trend is expected to continue into El Nino

Matching Years

- 1969 for September and 2009, 2002 for fall

September

- Seasonal temperatures, with slightly above normal temps along St. Clair River/Lake Huron with precipitation drier than normal (approximately 60mm less than normal being predicted)

October

- Lower than normal temperatures (2-3 degrees below normal, expecting quick shift from September with precipitation normal (around NW area - near Sarnia) to below normal in other areas of watershed

November

- Slightly above normal temperatures with precipitation expected to be slightly below normal

Fall 2018

- Over a 3 month averaged period, temperatures balance out to be seasonal with precipitation for 3 months (averaged) expected to be far below normal

Low Water Conditions:

Some areas of the province have received less rainfall notably the eastern areas of Ontario as a result of localized storm systems staying further to the south.

Flood Threat:

While no specific issues relating to flooding are apparent since the watershed levels can accommodate most events at this time of the year, intense storm systems may result in significant rainfall causing drainage ditches and urban areas to become inundated very quickly. **Advisories will be issued as needed from our Flood Management Office.**

Great Lakes Levels:

July lake level data (latest available as of this report) indicates a slight **decrease** in overall monthly levels compared to last year for the Great Lakes in our region by 1cm over July 2017. However, current levels remain above the 10 year average as well as above the all-time average (100 years). While it is difficult to establish a trend, a reduction in year over year deviates from the trend over the past several years. There has been significant rainfall in the lower Great Lakes this summer which may reduce the rate of fall into the next few months.

BD-18-113

Rupke-Wesley

“That the Board of Directors acknowledges the report dated September 5, 2018, on the current watershed conditions, flood risk and Great Lakes water levels.”

CARRIED

The W. Darcy McKeough Floodway is intended to mitigate flooding in Wallaceburg. The control gates remain open under normal flow conditions, but when Wallaceburg is threatened by flooding, they are closed to divert the flow down the diversion channel into the St. Clair River. The McKeough Floodway controls all flood water upstream of the dam by diversion and temporary storage. The diversion channel is capable of diverting high flows from both the Bear and Black creeks when the dam is closed.

General operating procedure:

The procedure and rules for McKeough Dam operation are outlined in the Manual. These rules are intended to provide guidance for the operation of the gates under various circumstances. Improper operation of the gates may create damage to the gates, improper hydraulic performance of the stilling basin and /or erosion problems.

Operating Criteria:

The initial operating criteria of the McKeough Dam had allowed for modifications to the operating rule with experience and knowledge of different scenarios requiring McKeough dam operation. The criteria was modified in 1985 and 1987. In the mid 1990's, a review was undertaken with a committee of Authority Board Members consummating in a decision to maintain the existing criteria.

Subsequent to the February 2009 Flood in Wallaceburg and February 2018, it has been requested that the operating criteria be reviewed and recommendations be brought forward to improve the data available to assist in decision making. This report documents the evolution of the operating criteria from 1984 to present.

History of Operating Criteria:

Dec 1985 (Based on 2 events)

In 1985 an interim method of operating the dam was established as requested by SCRCA and MNRF. A relatively simple and safe method of operation was derived which considers only two gate positions, i.e. completely closed or completely open.

Three parameters are used as indicators of the watershed and the potential for flooding in Wallaceburg:

- 1) The water level in Wallaceburg
- 2) The rate of rise of water level in Wallaceburg
- 3) Threshold flow value at the streamflow gauging station at Brigden (18cms)

This approach was believed to provide a conservative and a fool proof method in dam operation. After additional experience is gained in operating the dam and the necessary instrumentation is installed at strategic locations within the watershed, a sophisticated operation rule was to be developed.

“Based on the historical water level data, gate closure is necessary when the water level in Wallaceburg reaches elevation of 176.0m. This is approximately 0.3m below the elevation at which minor flooding begins in Wallaceburg. Gate closure is required at this lower elevation due to the lag time between the dam site and Wallaceburg.

Closing the dam gates at elevation 176.0m ensures that the flows passing the dam just prior to closing the gates will not contribute to the peak flow passing through Wallaceburg.”

An additional factor which may create unwarranted gate closure is the wind set up. Past experience has shown that significantly high levels can be produced in Wallaceburg due solely to strong winds acting on Lake St. Clair. To minimize the frequency of gate closure and still ensure the intended protection for Wallaceburg, two additional parameters have been incorporated into the operation rule. A rate of rise criteria for Wallaceburg and a threshold flow at Brigden.

Key Highlights

- McKeough Dam operation when Wallaceburg levels reach 176.0m and
- Flows in Brigden reached 18cms
- Additional monitoring required to optimize dam operation.

May 1987 (Based on 3 past events)

Key Highlights

- McKeough Dam operation when Wallaceburg levels reach 176.0m and
- A **detailed** rate of rise concept was introduced.

Rate of Rise in Wallaceburg (6 hours)	Levels in Wallaceburg
50 mm /hr or Greater	176.0
40 mm /hr or Greater	176.06
30 mm /hr or Greater	176.12
20 mm /hr or Greater	176.18
10 mm /hr or Greater	176.24

- Brigden threshold of 18cms
- Additional monitoring required to optimize dam operation.

July 1992

The Manual dated 1987 was updated to July 1992 with no changes. An appendix A was attached dated October 25, 1990 named “**The Decision and Approval procedure to close of open the gates**”.

There were no technical updates to the operating criteria established through this review. However, a procedure outlining the responsibility of the flood coordinator was established.

“The flood coordinator shall present the facts on the circumstances of the flood threat to the General Manager. Where it is probable that operation of the gates should be considered, the General Manager will present the facts with a recommendation to the Chairman and a decision will be made and the gates at the dam shall be operated accordingly.”

McKeough Dam operations since last review to the Operating Criteria

- Dec 1990 – Jan 1991
- Feb 2009
- Feb 2018

Current Conditions:

SCRCA has tabulated water levels recorded in the Wallaceburg gauge in 2018. This graph below highlights the level in February 2018, the McKeough Dam was operated during this event. The next event corresponds to April 16 2018 when the levels in Wallaceburg reached 176.11.

Our office received numerous calls from concerned residents of Wallaceburg. A few residents had experienced flooding during this event. It is unclear if flooding is due to riverine flooding or sump pumps not able to keep up or a combination of urban and riverine flooding.

Operating Criteria Review:

Requests to review the operating criteria have been brought forward on several occasions from the Town of Wallaceburg (previously) and more recently from Chatham-Kent. Concern has most often been focused on the fact that some minor flooding is already occurring in Wallaceburg, before the criteria for gate closure is met.

Further, there have been multiple requests for the review of the criteria to permit operation of the floodway to reduce flooding in areas beyond the boundaries of Wallaceburg. Although these can be reviewed, the expropriations certificate which provided the basis for acquiring upstream easements and properties appears to close off this option.

Thirty years of data on water levels, flows, wind conditions and lake effects as well as a quarter century of experience in operating the floodway could provide significant input into an engineer's review of the operating criteria of the structure.

Particular attention should be given to:

- Rate or rise in Dresden and McKeough Dam
- Condition of the retaining wall in Wallaceburg
- Intense and localized storms in the watershed
- Localized Ice jams
- Rate of Rainfall
- Building a safety factor for the flooding in Wallaceburg.

BD-18-114

Miller-Scholten

“That the Board of Directors acknowledges the report dated September 4, 2018 on the history of the McKeough Operating Criteria.”

CARRIED

National Disaster Mitigation Program:

The National Disaster Mitigation Program (NDMP) was established by the Government of Canada to address the increasing dangers and costs faced by Canadian Communities as a result of flood events. The program will receive \$200 million in funding over the course of five years to improve knowledge regarding flood risks and enhance current flood response programs. These improvements will help protect property and public safety by ensuring more efficient mitigation efforts and recovery procedures following flood events.

Issues/Analysis:

The existing floodplain mapping of SCRCA is based on older Digital Elevation Models with coarse contour intervals of 5 meters. Floodplain elevation discrepancies are often noticed during review process, often 1 – 2 meters or more. Through the SWOOP program, our office has acquired accurate imagery (2010) that can be used to create an extremely detailed DEM with greater accuracy. A flood study using this DEM will deliver accurate floodplain mapping for the watershed.

Finance:

The total cost of this project is estimated to be \$230,000. **SCRCA has been approved for NDMP funding**, 50% of the costs have to be matched by the Municipality, of which 15% is the in-kind contribution such as labour, use of facilities and equipment, which can be readily absorbed by SCRCA. The SCRCA is seeking the remainder (\$100,000) over the next 2 years from:

- 1) City of Sarnia (\$60,000)
- 2) St. Clair Township (\$40,000)

Letters have been sent to appropriate contacts seeking confirmation of funds for this project.

Highlights of this floodplain mapping project will include:

- Hydrologic model using DEM and/or Lidar data
- Surveying work to validate the model
- 2D Hydraulic model using a hydraulic software
- Produce flood maps and reports
- Train staff to develop floodplain mapping
- Calibrating/Validating flood model
- Review flood map

Staff have received proposals from the following consultants. We are currently reviewing the proposals on the following criteria.

NDMP Floodplain Mapping Project

CONSULTANT SCORING MATRIX

EVALUATION FACTOR	Golder Associates Ltd	Stantec	Riggs Engineering Ltd
1. QUALITY OF PROPOSAL (25 Points Maximum)	20	16	18
2. CONSULTANT QUALIFICATIONS / EXPERIENCE (25 Points Maximum)	20	22	23
3. AVAILABILITY AND CAPACITY OF CONSULTANT (25 Points Maximum)	15	17	22
4. PROPOSED TRAINING (25 Points Maximum)	22	21	23
Total 100 points	75	76	86
PROJECT COST (Tax not included)	\$298,762	\$233,797	\$194,780

BD-18-115

McMillan-Marriott

“That the Board of Directors acknowledges the report dated September 4, 2018, on the flood plain mapping project in 2 municipalities; City of Sarnia (urban environment) and St. Clair Township (rural environment) and further accepts the proposal of Riggs Engineering Limited in the amount of \$194,780 subject to municipal funding confirmation.”

CARRIED

Lambton Soil & Crop Improvement Association Twilight Tour – August 8

Almost 200 people attended the Lambton Soil and Crop Improvement Association’s twilight tour at Greg Goodhill’s farm just outside of Watford. This year’s focus was strip tillage. Strip tillage (aka strip till) is a minimum tillage technique that combines the soil warming benefits of conventional tillage in the planting row, all the while providing the benefits of no till between the rows. Local farmers and dealerships brought five different strip till units for attendees to see. Speakers included Peter Johnson (Real Agriculture), Aaron Breimer (Veritas Farm Management), Dale Cowan (Agris Co-op), and Ben Rosser (OMAFRA). Peter and Aaron presented their recent strip-till research project, Dale spoke

about the 4R nutrient certification, and Peter and Ben ended the night with a question and answer period. SCRCA staff had a display with factsheets and soil health test kits.

Middlesex Soil & Crop Improvement Association Twilight Tour – August 21

Staff had a booth at this event and had the opportunity to share with attendees grants available and extend an invitation for the Rotational Grazing & Pasture Tour.

Great Canadian Shoreline Cleanup at Ipperwash Beach – September 8

Invitations were extended to local community groups and associations as well as the municipality of Lambton Shores and Kettle & Stony Point First Nation. The local Ipperwash Beach Club offered an incentive to attend – free ice cream!

Staff attended these events for training and outreach as well:

July 10 – Lambton Shores Communities in Bloom Judges Tour – Forest Sewage Lagoons

Upcoming Events:

September 12 – Innovative Farmers Association of Ontario Director’s meeting

September 14 – Lambton Shores Ag in the Classroom

September 14 – Soil & Cover Crop day with local Dresden farmers

September 15 – Strathroy #TDTreeDays at the Skateboard Park

September 18-20 – International Plowing Match – Healthy Watershed staff will be on site

September 21-23 – Forest Fall Fair (staff to have booth)

September 29 – Forest #TDTreeDays at Esli Dodge Conservation Area

October 2 – Cover Crop Tailgate Talk – Interseeding and Fall Grazing (Oil Springs, ON)

October 21 – Sarnia #TDTreeDays at Howard Watson Trail

Lambton Country Invasive Phragmites Project Displays

With funding from Lambton County, outreach staff have designed two Phragmites pull-up displays along with an informative tabletop display. The displays will be exhibited at numerous fall events throughout Lambton County promoting awareness about the invasiveness of Phragmites, how to recognize it, and how to eliminate it from private property.

BD-18-116

Nemcek-Scholten

“That the Board of Directors acknowledges the status report dated August 31, 2018, regarding the Healthy Watershed Program Workshop Update.”

CARRIED

Every year, SCRCA staff select a watercourse within Lambton Shores with the goal of walking its entire catchment area. The purpose of this project is three-fold. First, to provide SCRCA with knowledge on the physical aspects of the creek’s watershed. Second, to connect with landowners and raise awareness of SCRCA’s presence in

Lambton Shores for improving water quality. Third, to ground truth erosion prediction indices generated by SCRCA mapping staff.

The 2018 focus area, directly downstream of the 2017 focus area, consists of four watercourses: Shashawandah Creek, Stewardson Drain, Ross Drain and Davidson Drain. Agriculture Outreach staff contacted the landowners of all 49 properties within the catchment area. Staff assessed 32 properties, totaling 880ha. Of those assessed, 24 properties were assessed infield, 8 properties were assessed from the road, 6 properties were classified as not applicable due to their flat topography and proximity to nearby watercourse and the remaining 11 properties were not assessed, either due to missing contact information, a current winter wheat crop or permission not granted by the landowner.

Generally, landowners were open to the idea of SCRCA staff walking their property. Some were interested in seeing a report for their property with recommendations. One landowner in particular was especially interested and used this opportunity to seek advice regarding the erosion in his farm fields.

Overall, the 2018 Shashawandah Creek focus area had a “fair” quality buffer and had more diversity in topography than the 2017 Shashawandah Creek headwaters area. As such, infield erosion control is needed in several locations. Should funding become available, we will reach out to landowners with greater need to reduce erosion.

BD-18-117

Gordon-Brewer

“That the Board of Directors acknowledges the status report dated August 27, 2018, regarding the Healthy Watershed Program - Walk the Watershed, including an update on the Walk the Watershed Program.”

CARRIED

SCRCA Reptiles at Risk Program:

The Province has established the Species at Risk Stewardship Fund to enhance stewardship resources and efforts and stimulate investment in species at risk protection and recovery. Through the Species at Risk Stewardship Fund the Province intends to provide grants to individuals and organizations for projects which improve the status of species at risk and their habitats throughout Ontario.

With this funding, St. Clair Region Conservation Authority’s recovery efforts focus on the Spiny Softshell Turtle and the Eastern Foxsnake as part of our Reptiles at Risk Program. This program has been ongoing for 7 years and has seen a consistent increase in success throughout.

Turtles:

The Sydenham River Corridor within the East Branch of the Sydenham River contains one of the last remaining [inland] connected green corridors in Southwestern Ontario. This imperiled and vulnerable habitat provides refuge for the Eastern Spiny Softshell turtle, a species that was up listed to Endangered in 2016.

The Spiny Softshell Turtle is an olive coloured flat turtle often referred to as the “pancake turtle”. The leathery carapace of the spiny softshell makes it vulnerable to predators. For this reason, it is very shy and skittish. These turtles can get almost half the oxygen they require by breathing through their skin while in water, which allows them to hide under water for up to five hours.

The primary threats to this species are:

- habitat and population fragmentation by infrastructure,
- alteration of the water regime (flooding of nests) by dams and changing weather patterns,
- increased recreational and agricultural use of nesting areas and adjacent aquatic habitats by humans (disturbance during nesting due to ATV use, horseback riding, watercraft use), invasion of nesting areas by non-native plants (e.g., European Common Reed (*Phragmites a. australis*))
- high populations of mammalian egg predators and egg poachers, and
- Cyanobacterial blooms (e.g., toxin bioaccumulation, impact on prey) may also impact the species.

Habitat loss is a major contributor to the decline of this species. In the Sydenham, individuals may move up to 30 kilometres between nesting and hibernation sites. Daily movements exceeding 4 kilometres have been observed which is believed to be linked to the lack of critical habitat features. Female softshells prefer to lay eggs in sandy, sunlit areas, which appear to be in limited supply on the Sydenham.

The program consists of the preparation of nesting habitat sites, and the collection, incubation, and release of Spiny Softshell turtles (*Apalone spinifera*). Before nesting season begins, communal nesting sites are prepared with the removal of vegetation growing throughout the site and the addition of fresh sand and gravel substrate. Everyday during nesting season, the Biology team visits the nesting sites and collects eggs that are in immediate danger of high waters or predation. These collected nests are placed in incubation with assistance of Salthaven Wildlife & Education Centre. Once hatched, the turtles are monitored for a short amount of time to ensure that no difficulties are being had, and re-released in a slow-water, sheltered areas near the original nesting site.

Thus far, in 2018, 740 turtle hatchlings have been released including 263 Spiny Softshell and 389 Northern Map turtles. More eggs have yet to hatch and will be released in coming days. These numbers have drastically increased and is now our most successful year to date since 2017, in which 178 Spiny Softshell and 210 Northern Map turtles, were incubated and released.

Snakes:

We have also continued our snake monitoring and rehabilitation initiatives with focus on the recovery of the Eastern Foxsnake. The Eastern Foxsnake, endangered, is the second largest snake found in Ontario, reaching lengths of up to 1.7 metres. They have a distinct reddish head and a yellowish to light brown body with dark brown blotches running down the back and alternating blotches on either side. When threatened, the

Eastern Foxsnake vibrates its tail and, especially when it meets dry vegetation, makes a buzzing or “rattling” sound. Eastern Foxsnakes have a very restricted global distribution, with about 70 percent of their entire range occurring in Ontario, where population abundance continues to decline. Causes of the species decline include:

- wetland drainage for agriculture,
- impacts resulting from housing and cottage development,
- road mortality and,
- human persecution and collection for the pet trade

In order to help facilitate the recovery of this species, SCRCA’s Reptile at Risk program has focused on a number of efforts including:

- **Artificial Nesting Boxes**

These structures help to protect eggs from predators and create ideal conditions for gravid females to lay their eggs. There are currently nine nesting boxes situated on SCRCA lands and another five have been installed on private landowner properties. The nesting boxes are installed in early spring and are then sorted through and checked in the fall for remnants of eggs and nesting activity. For three consecutive years, SCRCA has documented increased hatchling success in these artificial structures. This year unfortunately, a small mammal predated one of the nesting boxes for the first time. With this, it has been made aware that smaller mammals are still able to enter the nesting box and come the future will allow for the progression of nesting box design to keep predators out indefinitely.

- **Coverboard Monitoring**

Coverboards are sheets of plywood laid on the ground in order to provide protection and create an insulated heat source for snakes, which are attracted to the underside of the board. Coverboard transects are situated in a line at an equal distance between each board on North facing slopes in order to attract the most sunlight. Monitoring is completed by quickly flipping the coverboard to reveal any snakes hidden underneath. When a snake is present, it is captured, identified to species and photographed. All of these values as well as location, time of day, weather, and a variety of others variables are recorded and shared with Ontario Ministry of Natural Resources and Forestry for long-term monitoring.

This year SCRCA collaborated with Ontario Nature to test the newly developed Long Term Monitoring Protocol for Ontario Snakes. This protocol outlined specific variables in which surveys should take place including weather conditions, survey times and duration, coverboard size, coverboard placement and required equipment. Two new transects were set up on SCRCA properties following the new protocol. Within two weeks of surveying, multiple snakes were found, which ultimately led to the decision to reorganize the original coverboard transects present throughout the McKeough Floodway that were being used for SCRCA own Foxsnake sampling. Sampling took place for 8 weeks and numerous species were found including Eastern Foxsnake, Eastern Gartersnake and Butlers Gartersnake. This data will be shared with Ontario Nature and all coverboard transects will remain in the same location for next season.

Reptile Program Education and Outreach:

- Second Annual Turtle Birthday Party at AW Campbell CA, August 17
 - Approximately 50 participants attended this year's Turtle Birthday Party to learn about SCRCA's Reptile at Risk Program. A short presentation was given outlining the program and general information on Ontario's turtle species, followed by a number of related activities and refreshments. The highlight of the day for most was the special appearance made by three different hatchling species!
- Species at Risk Newsletter
 - The Species at Risk Newsletter is awaiting distribution to approximately 65,000 residents. The 2018 Newsletter focuses on Mussel Research and turtle and snake article's related to the Reptiles at Risk Program. It is predicted that the newsletter be distributed by the middle of September.

Conclusion:

The Species at Risk Stewardship Fund has created a number of opportunities for ongoing recovery efforts of two of the Sydenham's Reptile Species at Risk. Valuable partnerships have been created with other organizations and have closed knowledge gaps regarding monitoring surveys and stewardship efforts. Although the program has succeed with every year that passes, it has also allowed for progression and growth in upcoming years. SCRCA hopes to be able to own in house incubators for the incubation of turtle eggs in years to come. The biology team will be working on a new design for the artificial snake nesting boxes, photographing captured snakes to identify individuals and continuing with the coverboard monitoring while following the Long Term Monitoring Protocol.

Director's comments:

Requested that SCRCA staff meet with Municipal staff to discuss Species at Risk Legislation in relation to drainage works and that a report on this subject is prepared.

BD-18-118

Bruinink-Marriott

“That the Board of Directors acknowledges the report dated September 6, 2018, on the Reptiles at Risk Program Update, including highlights of recent collection, incubation and release of Spiny Softshell turtles and snake monitoring.”

CARRIED

- SCRCA Staff treated approximately 16,500 catch basins in Sarnia and Lambton towns and villages this summer under direction from Lambton Public Health as part of their mosquito control program for public safety to help prevent West Nile Virus.
- Six staff working from the Strathroy office and 2 staff from the Darcy McKeough Dam treated approximately 16,500 municipal catch basins throughout Lambton County with 3 separate applications of methoprene pellets at 21 day intervals between June 25th and August 17th.
- Each treatment is marked with a different colour code indicator.

- Pre-treatment sampling was conducted in mid-June and post treatment efficacy testing was conducted between each scheduled treatment, as well as the last week of August, approximately 15 days after the third and final round of catch basin treatments. Results showed very good control for the pellets this year (over 90% effective). Results and a report will be sent to the Lambton Public Health.
- Two permits for the mosquito control works were issued by the Ministry of Environment and Climate Change (MOECC) in June. A report to the Ministry is required by December 1st, 2018
 1. Sarnia-Lambton – Three rounds methoprene pellets for up to 17,000 catch basins
 2. Sarnia-Lambton – Bti for wetlands and emergency situations

Aamjiwnaang First Nation was also treated with three rounds of methoprene pellets. A pesticide permit was not required under MOECC for treatment of these catch basins.

BD-18-119

Scholten-Rupke

“That the Board of Directors acknowledges the status report dated September 5, 2018, regarding West Nile Virus – Lambton County Mosquito Control Program.”

CARRIED

Tree Planting Program:

- Landowner interest for trees and tree planting assistance is above average for the 2019 program. Staff have been busy this summer meeting with landowners, developing planting plans and seeking grant opportunities to assist landowners with project costs.
- All projects that meet specific program criteria will be reviewed in November/December for grant approval under one or more of the funding programs that SCRCA has available for financial incentive for 2019 grant year including the Forests Ontario 50 Million Tree Program, Essex - Kent - Lambton OPG fund Lambton Tree Cutting-Tree Replacement Fund, Waste Management Greening Initiative, Ontario Community Environment Fund, Suncor Cedar Point Wind Farm reforestation funds and other habitat stewardship grants
- Approximately \$150,000 of grant support is required annually for planting projects
- Survival assessments for planting projects for the current year, one year old and five year old projects were completed by seasonal staff during the summer months. These include trees planted by SCRCA and funded by Forest Ontario’s 50 Million Tree Program in 2018, 2017 and 2014. Tree survival results were very good with more than 90% average success rate.
- Survival rates are only attainable at this level when landowners do their general vegetation maintenance combined with SCRCA’s 3-year herbicide application program.

Managed Forest Tax Incentive Program (MFTIP):

- Five new managed forest tax plans were written and approved for 2019 tax year for 5 private landowners including one SCRCA property in Enniskillen Township. These new plans are registered with MPAC for 10 years before an update plan is required.

- Three managed forest tax plans were updated and approved in July for the 2019 to 2028 tax term.
- We have one forest management plan approver on staff certified to write and approve forest management plans for tax purposes.
- Approved plans are sent to MNRF and then updated information is sent to MPAC.
- MPAC adjusts property taxes on the forested portion of the property equal to farm tax rates.

Vegetation Management Program:

- Approximately 240,000 trees require vegetation control this fall.
- Fall herbicide applications on 2016 to 2018 tree planting sites are scheduled to start in the 1st week of October and will continue into late November after the deciduous seedlings go into dormancy and drop their leaves.

Seed Collection Program:

- This year’s tree seed collection will start the first week of October.
- Enbridge has once again provided SCRCA with a very generous donation towards it’s tree seed collection mentoring/ training course to train local, interested individuals how to forecast, collect, clean and store tree seed. Seed collectors earn money and provide this area with a much needed service.
- This area of Ontario does not have certified tree seed collectors that are actively collecting. Without people collecting tree seed, we do not have genetically suitable trees available for the tree planting program.

Update on Province closing Angus Seed Plant:

- After hearing the many concerns related to the closure of the Ontario Tree Seed Plant in Angus, Minister of Natural Resources and Forestry, Jeff Yurek directed his Ministry to review the closure decision.
- On August 28th a selected number of stake-holders were invited to attend a scheduled consultation in Angus, Ontario with Ministry Yurek to share their perspectives on the closing of the seed plant.
- Conservation Ontario, SCRCA and two other Conservation Authorities were invited to this meeting.
- The Ministry will follow up with a final decision later in the year.

BD-18-120

Miller-Nemcek

“That the Board of Directors acknowledges the status report dated September 5, 2018, regarding conservation services programs across the watershed including multiple funding sources, spring tree planting survival & maintenance and other vegetation control programs.”

CARRIED

A summary of staff activity related to the Conservation Authority's Development, Interference of Wetlands, and Alterations to Shorelines and Watercourses Regulation (Ontario Regulation 171/06 under Ontario Regulation 97/04) was reviewed.

BD-18-121

Scholten-Marriott

“That the Board of Directors accepts the Regulations Activity Reports on *“Development, Interference with Wetlands & Alterations to Shorelines & Watercourses”* Regulations (Ontario Regulation 171/06), dated September 6, 2018 and includes the period June 1, 2018 to August 31, 2018, as presented.”

CARRIED

BD-18-122

Scholten-Wright

“That staff bring a report to the November 9, 2018 board meeting outlining current practice and procedures for permit approvals and turnaround times. This report will also include a brief description of the planning department, current number of staff and work load pressures.”

LOST

A verbal report regarding Regulations (Ontario Regulations 171/06) violations status was given by Dallas Cundick, Manager of Planning.

BD-18-123

McMillan-Rupke

“That the Board of Directors acknowledges the verbal update from Dallas Cundick, Manager of Planning on the Regulations (Ontario Regulations 171/06) violations status.”

CARRIED

A summary of staff activity related to Municipal Plan Input and Review was reviewed.

BD-18-124

Giffen-Miller

“That the Board of Directors acknowledges the St. Clair Region Conservation Authority's monthly Planning Activity Summary Reports dated September 6, 2018, for June, July and August, 2018.”

CARRIED

A report outlining the July 2018 to September 2018 municipal drain activity associated with the Drainage Act and Conservation Authorities Act Protocol (DART) was reviewed.

BD-18-125

Faas-Gordon

“That the Board of Directors acknowledges the report, dated September 4, 2018 on Drainage Act and Conservation Authority Act Protocol (DART) Municipal drain activities for July to September 2018.”

CARRIED

The statement of revenue and expenditure to July 31, 2018 was reviewed.

BD-18-126

Nemcek-Marriott

“That the Board of Directors acknowledges the revenue and expenditure report to July 31, 2018, as it relates to the budget.”

CARRIED

The disbursements from June 1 to August 31, 2018 was reviewed.

BD-18-127

Scholten-Miller

“That the Board of Directors approves the June to August 2018 disbursements as presented in the amount of \$1,242,077.06.”

CARRIED

The general levy summary to August 31, 2018 was reviewed.

BD-18-128

Bruinink-Scholten

“That the Board of Directors acknowledges the status report on the 2018 general levy receipts to August 31, 2018.”

CARRIED

The 2019 preliminary draft budget was reviewed. The Board of Directors requests a report from the Director of Finance regarding the increase in municipal funding with an emphasis on special levies and where those funds will be allocated.

BD-18-129

Scholten-Rupke

“That the Board of Directors acknowledges the 2019 preliminary draft budget of \$6,304,707 with a proposed municipal general levy of \$913,751 and further that this preliminary budget will be circulated to member municipalities for information and input based on our budget review process.”

CARRIED

The investment statements up to August 31, 2018 were reviewed.

BD-18-130

Scholten-Giffen

“That the Board of Directors acknowledges the investment statements for the period ending August 31, 2018.”

CARRIED

Minutes of the March 26, 2018 Joint Health & Safety Committee were reviewed.

BD-18-131

McMillan-Bruziewicz

“That the Board of Directors acknowledges the minutes of the March 26, 2018 Joint Health and Safety Committee.”

CARRIED

Conservation Education:

With school back in session, staff are preparing for another successful year of conservation education at local schools within our watershed. Two promotional flyers were produced highlighting the numerous programs available to both elementary and high school students. Of particular interest is the expanded Specialist High Skills Major (SHSM) certification programs offered by the SCRCA. Developed over the last few years, the programs highlight the important role the SCRCA plays in supporting students enrolled in the SHSM program.

The flyers will be distributed to each teacher in the St. Clair region. Copies have been included in this package.

Conservation Scholarships:

Four scholarships were presented this July by SCRCA chair Steve Arnold. The students and parents were all very proud and appreciative of the Authority's support as they pursue their post-secondary education in the environmental field.

A.W. Campbell Memorial Scholarship - \$1,000

Jared Newport, Lambton Kent Composite School

Brandon Jordan, Wallaceburg District Secondary School

Tony Stranak Conservation Scholarship - \$500

Naomi Rosedale, Holy Cross Catholic Secondary School

Mary Jo Arnold Conservation Scholarship - \$500

Emily Smith, Great Lakes Secondary School

2018 International Plowing Match:

The 2018 International Plowing Match (IPM) is taking place September 18-22, 2018 in Pain Court, Ontario. The annual agricultural event sees upwards of 100,000 visitors over the five days. The SCRCA in partnership with the Lower Thames Valley Conservation Authority and the Essex Region Conservation Authority will host a tent highlighting the Great Lakes and what Conservation Authorities are doing to protect them.

Upcoming Events:

Denning’s Chatham-Kent and West Elgin Memorial Forest Dedication – Sunday, September 16, 2018 at 2 p.m., Keith McLean Conservation Lands

A Geocaching Adventure – Sunday, September 16, 2018 at 9 a.m., Lorne C. Henderson Conservation Area

2018 International Plowing Match – September 18-22, 2018 from 8:30 a.m. – 5 p.m., Pain Court, Ontario

Foundation Memorial Forest Dedication – Sunday, September 23, 2018 at 2 p.m., Lorne C. Henderson Conservation Area

BD-18-132

Marriott-Gordon

“That the Board of Directors acknowledges the Communications Report, dated September 4, 2018, including information regarding Conservation Education, Coming Events and Conservation Scholarships.”

CARRIED

The Status Assessment Reports for the Beneficial Use Impairments (BUIs) - “Bird or Animal Deformities or Reproductive Problems”, “Restrictions on Dredging” and “Beach Closings” are continuing to move through the re-designation process.

Work has started on redevelopment of the Friends of the St. Clair River website. This website also hosts content for the St. Clair River Area of Concern. Once the new website is complete, it will be more user friendly and easier to navigate than the current version.

The Binational Public Advisory Council (BPAC) hosted a meeting at the home of Canadian Chairperson Kris Lee on July 26th. The next BPAC meeting is scheduled for October 10th in Port Huron, Michigan.

Staff continue to draft the 2012 – 2017 Accomplishments Report. It is anticipated that the report will be complete this fall.

BD-18-133

Wright-Wesley

“That the Board of Directors acknowledges the St. Clair River Area of Concern report dated September 5, 2018.”

CARRIED

In June 2017 the Thames-Sydenham and Region Source Protection Committee (SPC) was reduced from 21 to 15 members. At that time 7 members were offered appointment extensions to June 2018 and 8 members were offered appointment extensions to June 2019. These membership appointment terms were based on the *Clean Water Act, 2006* regulation requiring that the terms of all current members must expire before January 1, 2020.

In the spring of 2018, the Striking Committee for the Thames-Sydenham and Region initiated a selection and appointment process for the SPC member positions that were expiring in June.

Discussion

After a successful selection process, the Striking Committee appointed the following Source Protection Committee members for a 3-year term that extends until June 2021:

SPC Member	Representing Sector	New Appointment or Reappointment
Brian Lima	Municipal – London and Middlesex	New Appointment
Brent Clutterbuck	Municipal – Elgin, Essex and Chatham-Kent	Reappointment
John Van Dorp	Agriculture	Reappointment
Earl Morwood	Industry	Reappointment
Hugh Moran	Oil and Gas	Reappointment
Gary Martin	Public	New Appointment
Nicholas Seebach	Public	New Appointment

The following Source Protection Committee members, who left the Committee, are recognized for the dedication to the protection of municipal drinking water sources, and their years of service:

Former SPC Member	Representing Sector	Years of Service
Pat Donnelley	Municipal – London and Middlesex	11
Valerie M’Garry	Public	11
Joe Kerr	Public	11

All future SPC membership terms are as follows:

- Members appointed in June 2018 will have a term that extends to June 2021 (3 years)
- Members appointed in June 2019 will have a term that extends to June 2023 (4 years)
- Beyond these appointments, all future appointments will be for 4 year terms with half of the member’s terms expiring every other year.

BD-18-134

Bruziewicz-McMillan

“That the Board of Directors acknowledges the report dated September, 2018 regarding member appointments to the Thames-Sydenham Source Protection Committee.”

CARRIED

BD-18-135

Miller-Bruziewicz

“That the meeting be adjourned.”

CARRIED



Steve Arnold
Chair

Brian McDougall
General Manager

Meeting Date: November 8, 2018
Report Date: October 30, 2018
Submitted by: Brian McDougall

Item 5.1

Subject: General Manager's Report

Recommendation:

That this report be accepted as an update.

Minister's Visit:

- ❖ Minister Rod Phillips of the Ministry of Environment, Conservation and Parks planned visit to Wawanosh Conservation Area on September 19, 2018 was postponed due to the recall of the legislature
- ❖ The Minister plans to reschedule the visit to Sarnia and area including the visit to Wawanosh Conservation Area

Canada Nature Fund Application:

- ❖ In early September, an expression of interest was submitted to The Canada Nature Fund (CNF) for funding support in the order of \$1.4 million to support the creation of a land acquisition strategy, land protection measures and property acquisition
- ❖ 175 Expressions of Interest were received with a total funding request of almost \$145 million, unfortunately, our proposal was not among those selected for funding for the Quick Start component
- ❖ The next component of the Canada Nature Fund – the Challenge component for protected and conserved areas, including Indigenous Protected and Conserved Areas (IPCAs), and the Private Lands component (a renewal of the Natural Areas Conservation Program) – will be launched via calls for proposals in late Fall 2018
- ❖ These programs will provide opportunities for multi-year funding of conservation projects based on criteria similar to that of the Quick Start component
- ❖ We encourage your organization to consider building on the work done during the development of your Quick Start Expression of Interest and consider submitting a proposal for multi-year funding if appropriate

Environmental Commissioner's Visit:

- ❖ On October 5th, Ontario's Environmental Commissioner Dianne Saxe met with Chair Arnold and staff to gain a better understanding of local environmental issues, challenges and successes
- ❖ The Commissioner shared several of her points of interest including: environmental protection, climate change, forest cover and invasive species

- ❖ Chair Arnold brought forward a concern regarding expanded uses of salt to cover streets and sidewalks as expressed by the Ministry of Transportation and the potential increase in runoff to our Great Lakes that are already experiencing increase chlorine elevations
- ❖ Staff toured the Commissioner to shoreline projects on the Sarnia Bay, Point Edward and Brights Grove, Authority Conservation Areas Wawanosh, Highland Glen and Warwick, innovative corporate forest cover projects in Sarnia and Warwick and discussed issues of agricultural runoff and drainage, phragmites and invasive species controls and Great Lakes water quality
- ❖ The Commissioner was engaged in our projects and very complementary of the tour identifying our local issues and highlighting our multiple successes

Transition to Ministry of Environment, Conservation & Parks:

- ❖ Conservation Authorities and Conservation Ontario continue to communicate with Ministers and staff in both the Ministry of Natural Resources and Forestry (MNRF) and the Ministry of Environment, Conservation and Parks
- ❖ At this point there are few questions being answered and no real engagement with us regarding the transition
- ❖ One of the few bits of information coming from these questions has addressed one serious concern – flood forecasting and warning, which is currently within the Fire Prevention sector of the MNRF will remain with MNRF
- ❖ Little other information is being provided, including no specified timelines for the transitions completion

Legalization of Cannabis:

- ❖ Earlier this month the use of cannabis was legalized across the country
- ❖ This will have several impacts on Authority administration and programs
- ❖ All existing smoking policies have been affirmed by provincial legislation
- ❖ A review of administrative drug and alcohol use policies is underway, if changes are necessary a recommendation will be brought back to the Board for approval
- ❖ Smoking in campgrounds has been discussed locally as well as at the recent Conservation Areas Workshop which staff attended
- ❖ A report will also be returned to the Board for their review regarding cannabis in Conservation Areas and Conservation Area Campgrounds at an upcoming Board meeting

Meeting Date: November 8, 2018
Report Date: October 30, 2018
Submitted by: Brian McDougall

Item 5.2

Subject: Administrative By-law No. 1 - 2018

Recommendation:

That this report be accepted as an update and that the proposed Administrative By-law No. 1 – 2018 be approved.

Points of Review:

- Note that the Appendices were renumbered to prevent confusion with any other sections of the By-law document.
- The following is a summary of edits made to Draft 1 of the By-laws after the First Reading on September 20, 2018:
 - *Section 3.4 – Maximum Term for Chair and Vice-Chair(s):* No maximum term will be adopted. (Scholten-Bruziewicz)
“There is no maximum number of terms that a Chair and/or Vice-Chair(s) are eligible to stand for re-election to the same office.”
 - *Section 4.14 – Notice of Motion:* 4th paragraph struck (Scholten-Bruziewicz)
~~“Notwithstanding the foregoing, any motion or other business may be introduced for consideration of the Authority provided that it is made clear that to delay such motion or other business for the consideration of an appropriate Advisory Board or Committee would not be in the best interest of the Authority and that the introduction of the motion or other business shall be upon an affirmative vote of a majority of the members of the Authority present.”~~
 - *Section 4.17 – Conduct of Members:* Item b) struck (Scholten-Wright)
“No Member at any meeting of the Authority shall:
b) ~~Leave their seat or make any noise or disturbance while a vote is being taken or until the result is declared;”~~
 - *Section 6.3.4 – Election Procedures:* Lot to be drawn after 2nd tied vote (Wright-Scholten)
“Should there be a tie vote between two remaining candidates, new ballots shall be distributed and a second vote held. Should there still be a tie after the second ballot ~~a third vote shall be held. Should there be a tie after the third vote,~~ the election of the office shall be decided by lot drawn by the Acting Chair or designate.”

- Note that *Section 3.12 – Signing Authority* of the By-law has been updated after the First Reading to reflect the existing Board-approved procedures.
- Note that *Section 5.0 – Approval of By-law and Revocation of Previous By-law(s)* has been updated since First Reading and now includes wording regarding compliance.
“By-law No. 1-2018 shall come into force on the 8th day of November, 2018.”

The Chair and Secretary-Treasurer are responsible for monitoring and maintaining compliance with By-law No. 1-2018 and dealing with any non-compliance issues. Any breach, or alleged breach, of the By-law shall be investigated in accordance with Section 3.20 (Enforcement of By-laws and Policies) of this By-law.

In the event of conflict between any part of this By-law and any part of any prior by-law or administrative rules, By-law No. 1-2018 prevails.”

- The *Building Better Communities and Conserving Watersheds Act* passed in December 2017 requires that By-laws be in place by December 12, 2018; if the Board approves Draft 2 without amendments, the By-laws may be adopted at the November 8, 2018 Board Meeting.

COUNCIL MEETING

Minutes from Meeting #3/18

September 24, 2018

Black Creek Pioneer Village

Voting Delegates Present:

Chair: Don MacIver, Credit Valley

Brian Horner, Ausable Bayfiled
Alan Revill, Cataraqui Region
Geoff Rae, Cataraqui Region
Kim Smale, Catfish Creek
Chris Darling, Central Lake Ontario
Deb Martin-Downs, Credit Valley
Tim Pidduck, Crowe Valley
Richard Wyma, Essex Region
Wendy Partner, Ganaraska Region
Joe Farwell, Grand River
Cathy Little, Grey Sauble
Sonya Skinner, Grey Sauble
Dick Hibma, Grey Sauble
Susan Fielding, Hamilton
Lisa Burnside, Hamilton
Peter Raymond, Kawartha
Mark Majchrowski, Kawartha
Elizabeth VanHooen, Kettle Creek
Mike Walters, Lake Simcoe Region
Tammy Cook, Lakehead Region
Mark Peacock, Lower Thames Valley
Glenda Rogers, Lower Trent
Jim Campbell, Maitland Valley

Dave Turton, Maitland Valley
Mark Burnham, Mississippi
Paul Lehman, Mississippi
Sandy Annunziata, Niagara Peninsula
James Kaspersetz, Niagara Peninsula
Carl Jorgensen, Nickel District (Con.Sudbury)
Brian Tayler, North Bay – Mattawa
Gail Ardiel, Nottawasaga Valley
Doug Hevenor, Nottawasaga Valley
Dan Marinigh, Otonabee
Terry Murphy, Quinte
Frank Prevost, Raisin Region
Richard Pilon, Raisin Region
Sommer Casgrain-Robertson, Rideau Valley
Luke Charbonneau, Saugeen
Wayne Brohman, Saugeen
Rhonda Bateman, Sault Ste. Marie
Fernand Dicaire, South Nation
Angela Coleman, South Nation
Steve Arnold, St. Clair Region
Brian McDougall, St. Clair Region
John Mackenzie, Toronto and Region
Murray Blackie, Upper Thames River
Ian Wilcox, Upper Thames River

Members Absent:

Conservation Halton
Long Point Region
Mattagami Region

Guests:

Chris Conti, Local Planning Appeal Tribunal
Mark Ambrose, Lakehead Region
Phil Beard, Maitland Valley
Mark Brickell, Niagara Peninsula

CO Staff:

Kim Gavine
Jane Dunning
Nicholas Fischer
Bonnie Fox
Chitra Gowda
Jane Lewington

Matthew Millar
Nekeisha Mohammed
Patricia Moleirinho
Leslie Rich
Jo-Anne Rzakki
Rick Wilson

1. Welcome from the Chair

Chair Don Maclver called the meeting to order and welcomed everyone in attendance. (see chair notes)

Three retiring CAOs/General Managers were recognized: Kim Smale (Catfish Creek), Terry Murphy (Quinte) and Paul Lehman (Mississippi).

2. Adoption of the Agenda

The following consent agenda items were moved to Items for Discussion:

7 c) Conservation Ontario’s Comments on the Federal “Discussion Paper: Developing a Strategic Assessment of Climate Change”

7 g) iii. Business Development and Partnerships

#23/18	Moved by:	Mark Burnham Mississippi Valley	Seconded by:	Cathy Little Grey Sauble
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THAT the Agenda be adopted as circulated.

CARRIED

3. Declaration of Conflict of Interest

There was none.

4. Approval of the Minutes of the Previous Meeting

An error was noted in the June 25, 2018 Meeting minutes and were amended to include Kim Smale (Catfish Creek) to be in attendance.

#24/18	Moved by:	Carl Jorgensen Conservation Sudbury	Seconded by:	Gail Ardiel Nottawasaga Valley
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THAT the minutes from the meeting June 25, 2018 be approved as amended.

CARRIED

5. Business Arising from the Minutes

There was none.

6. Motion to move from Full Council to Committee of the Whole

#25/18	Moved by:	Alan Revill Cataraqui Region	Seconded by:	Cathy Little Grey Sauble
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THAT the meeting now move from Full Council to Committee of the Whole.

CARRIED

g. Program Updates

i. Drinking Water Source Protection

THAT Conservation Ontario Council receives this report for information.

ii. Marketing & Communications

THAT Conservation Ontario Council receives this report for information.

iv. Information Management

THAT Conservation Ontario Council receives this report for information.

h. Correspondence

Hon. Catherine McKenna to Conservation Ontario

i. Project Tracking

8. Agenda Items for Discussion

a. Proposed Milton Logistics Hub (CN Rail Development) Project

Leslie Rich highlighted the report provided in the agenda.

C.W.#24/18 Moved by: Mark Peacock Seconded by: John MacKenzie
Lower Thames Toronto and Region

THAT Conservation Ontario Council receives this report for information.

CARRIED

b. Conservation Authority Annual Statistical Survey (2017)

Jane Lewington's presentation is attached to the minutes of the meeting.

C.W.#25/18 Moved by: Sandy Annunziata Seconded by: Mark Burnham
Niagara Region Mississippi Valley

THAT Conservation Ontario Council receives this report for information.

CARRIED

- c. **Conservation Ontario’s Comments on the “Consultation Paper: Approach to a key regulation under the proposed fish and fish habitat provisions of the Fisheries Act”**

Leslie Rich highlighted the report provided in the agenda.

C.W.#26/18 Moved by: Deb Martin-Downs Seconded by: Carl Jorgensen
Credit Valley Conservation Conservation Sudbury

THAT Conservation Ontario’s comments on the “Approach to a key regulation under the proposed fish and fish habitat provisions of the Fisheries Act” Consultation Paper submitted on September 21, 2018 to Fisheries and Oceans Canada be endorsed.

CARRIED

- d. **Conservation Authorities Funding Opportunities Update**

Jo-Anne Rzadki’s presentation is attached to the minutes of the meeting.

C.W.#27/18 Moved by: Cathy Little Seconded by: Mark Burnham
Grey Sauble Mississippi Valley

THAT Conservation Ontario Council receives this report as information.

CARRIED

- e. **Proposed Major Amendments to the Conservation Ontario Class Environmental Assessment for Remedial Flood and Erosion Control Projects**

Leslie Rich provided a verbal overview.

C.W.#28/18 Moved by: Mark Burnham Seconded by: Terry Murphy
Mississippi Valley Quinte Conservation

THAT Conservation Ontario Council receives this report as information.

CARRIED

- f. **General Manager’s Report**

Kim’s presentation is attached to the minutes of the meeting.

C.W.#29/18 Moved by: Mark Burnham Seconded by: Terry Murphy
Mississippi Valley Quinte Conservation

WHEREAS Conservation Authorities are Ontario’s watershed managers committed to efficient and practical delivery of all programs and services on behalf of watershed residents and taxpayers;

AND WHEREAS Conservation Authorities have been and will continue to be a strong delivery partner for the Province and our partner municipalities where their priorities intersect in our watersheds,

AND WHEREAS Conservation Authorities are the second largest land owners next to the Province and offer a wide range of education and recreation activities at more than 270 Conservation Areas to over 7 million visitors annually,

AND WHEREAS Conservation Authorities already serve the governments through long-standing programs that protect people around natural hazards and source water protection,

AND WHEREAS a consolidation of the water agend within the Ministry of Environment, Conservation and Parks would result in better efficiens and integration for water quality and quantity management, benefiting and supporting a strong Ontario economy,

THEREFORE BE IT RESOLVED THAT for these reasons, Conservation Ontario advise the Ministers of Natural Resources and Forestry (MNRF) and Environment, Conservation and Parks (MECP) that we support the full transition of Conservation Authority Act to the MECP;

AND THAT Conservation Ontario be engaged by the Government in an on-going consultation and dialogue around this transition.

CARRIED

g. Implementation of the *Conservation Authorities Act* Review Outcomes

Bonnie Fox provided a verbal update that there are now a total of 15 CAs with approved administrative by-laws. Another poll will go out prior to the December meeting to determine the status at that time.

C.W.#30/18	Moved by:	Joe Farwell	Seconded by:	Mark Burnham
		Grand River		Mississippi Valley

THAT Conservation Ontario Council receives this report as information.

CARRIED

**h. Proposed 2019 Conservation Ontario Workplan
Proposed 2019 Operating Budget and CA Levy**

Kim Gavine highlighted the 2018 Workplan accomplishments as well as the 2019 Proposed Workplan. As well the 2019 Proposed Budget and Levy was presented.

C.W.#31/18	Moved by:	Terry Murphy	Seconded by:	Mike Walters
		Quinte Conservation		Lake Simcoe Region

THAT Conservation Ontario Council adopt the 2019 proposed CO Workplan.

THAT Council adopt the 2019 Proposed Operating Budget as presented.

AND THAT the general levy of \$1,322,000 be approved and apportioned in accordance with the attached schedule.

CARRIED

i. Conservation Ontario's Comments on the Federal "Discussion Paper: Developing a Strategic Assessment of Climate Change" (from Consent Agenda Item 7c)

John MacKenzie (TRCA) asked if there had been any discussion on training for the CAs. Nicholas Fischer (CO) replied that CO would look to Environment and Climate Change Canada to see what training would be made available.

With regard to the Expert Advisory Panel, members were reminded of an email from Leslie Rich regarding a call for nominations for CA Staff to be part of a technical advisory committee on science and knowledge.

C.W.#32/18 Moved by: **Joe Farwell** Seconded by: **Mark Burnham**
 Grand River **Mississippi Valley**

THAT Conservation Ontario's comments on "Developing a strategic assessment of climate change" Discussion Paper submitted to Environment and Climate Change Canada on August 31, 2018 be endorsed.

CARRIED

j. Program Updates - Business & Development & Partnerhips (from Consent Agenda 7g) ii.)

Jo-Anne Rzakki highlighted the update regarding the closing of the Seed Plant Facility found in the staff report.

C.W.#33/18 Moved by: **Gail Ardiel**
 Mark Burnham **Nottawasaga Valley**

THAT Conservation Ontario Council receives this report as information.

CARRIED

9. Presentation

Kim Gavine introduced Chris Conti, Vice Chair, Local Planning Appeal Tribunal whose presentation is attached to the minutes of the meeting.

10. Motion to Move from Committee of the Whole to Full Council

#26/18 Moved by: **Mark Burnham** Seconded by: **Terry Murphy**
 Mississippi Valley **Quinte Conservation**

THAT the meeting now move from Full Council to Committee of the Whole.

CARRIED

11. Council Business – Council Adoption of Recommendations

#27/18 Moved by: **Dick Hibma** Seconded by: **Gail Ardiel**
 Grey Sauble **Nottawasaga Valley**

THAT Conservation Ontario Council adopt Committee of the Whole (C.W.) Recommendations: C.W. #23/18 to C.W. #33/18.

CARRIED

12. New Business

Deb Martin-Downs (CVC) reminded members that items are still appreciated for the 2018 Latornell Conservation Symposium silent auction.

Steve Arnold (St. Clair Region CA) requested an information report on the algae bloom on Lake Erie.

13. Adjourn

**#28/18 Moved by: Mark Burnham
Mississippi Valley**

THAT the meeting be adjourned.

CARRIED

Meeting Date: November 8, 2018
Report Date: October 25, 2018
Submitted by: Ashley Fletcher

Item 7.1

Subject: Business Arising

Recommendation:

That the Board of Directors acknowledges the updates on business arising from the September 20, 2018 meeting.

- Finance department to report on municipal funding with emphasis on special levies and where those funds are allocated. To be included within the 2019 draft budget booklet.
- Biology department to provide report regarding Species at Risk legislation in respect to municipal drainage works. Please refer to agenda item 10.5

Meeting Date: November 8, 2018
Report Date: October 24, 2018
Submitted by: Kevan Baker, Director of Lands

Item 8.1

Subject: Conservation Lands Report

Year in Review:

Camping Statistics:

- 420 full & half seasonal campers have registered in our 3 campgrounds, up from 415 in 2017. 190 seasonal campers are registered at Warwick (189 in 2017), 122 at LC Henderson (119 in 2017) and 108 at A.W. Campbell (107 in 2017).
- Our 3 regional campgrounds were busy this year, gross revenues to the end of September were \$ 1,200,000 (up 3.5 %), (seasonal camping up 2 % to \$842,000; overnight camping up 11% to \$242,000; and pump-out up 27% to \$49,000.00)

Warwick Conservation Area

- Hydro service, lights and a new ag tuff ceiling were installed in the storage shed
- The 9 hole mini golf course has been upgraded with new carpet and 4 x 4 lumber
- All interior and exterior light fixtures have been upgraded with LED bulbs
- A new laundry shed has been constructed at the main washroom building
- Two hydro panels have been upgraded

L.C. Henderson Conservation Area

- Playground equipment surfacing has been upgraded with engineered wood chips and subsurface drainage
- Trailer pads have been installed on 9 campsites in the Towerview camping area
- All interior and exterior light fixtures have been upgraded with LED bulbs
- A catch basin and subsurface tile drainage was installed on two campsites



A.W. Campbell Conservation Area

- A new concrete sidewalk was installed in front of the pool washroom building
- A hydro panel has been upgraded in the main campground
- Playground equipment surfacing has been upgraded with engineered wood chips (Foundation Funded)
- The pavilion roof has been replaced with steel
- A 9 hole portable mini golf course has been constructed (Foundation)
- Roadway improvements have been completed to the main entrance road between the river crossing and the main parking lot



Highland Glen Conservation Area:

- Approximately 60ft of new walkway has been installed along the inside of the boat ramp (funded through 2017 fees)
- A new beacon light has been installed on the outer seawall
- Welding repairs have been completed on a section of the south seawall
- Walkways have been removed for the season



Other Lands Activities:

- Sub-surface drainage and soil erosion works have been completed on Property 82 (McKeough Upstream lands)

- Wetlands have been developed on Property 82 and 103 (McKeough Upstream lands)
- Bannerstone (Foundation) – property access gates, signage, and a small parking area has been constructed
- Bates (Foundation) – a new property identification sign has been installed
- Lambton Heritage Museum (Lambton County) – staff have reopened a 1 km trail in the wooded portion on the Museum property
- Coldstream CA – boardwalks were upgraded with 40 new boards and 16 cedar post supports
- Strathroy CA – Bonduelle has donated \$2,500.00 towards the upgrade of the boardwalks along the trails
- Staff have planted approximate 75 hardwood trees on Authority lands as part of the Foundation's memorial forest tree planting program.

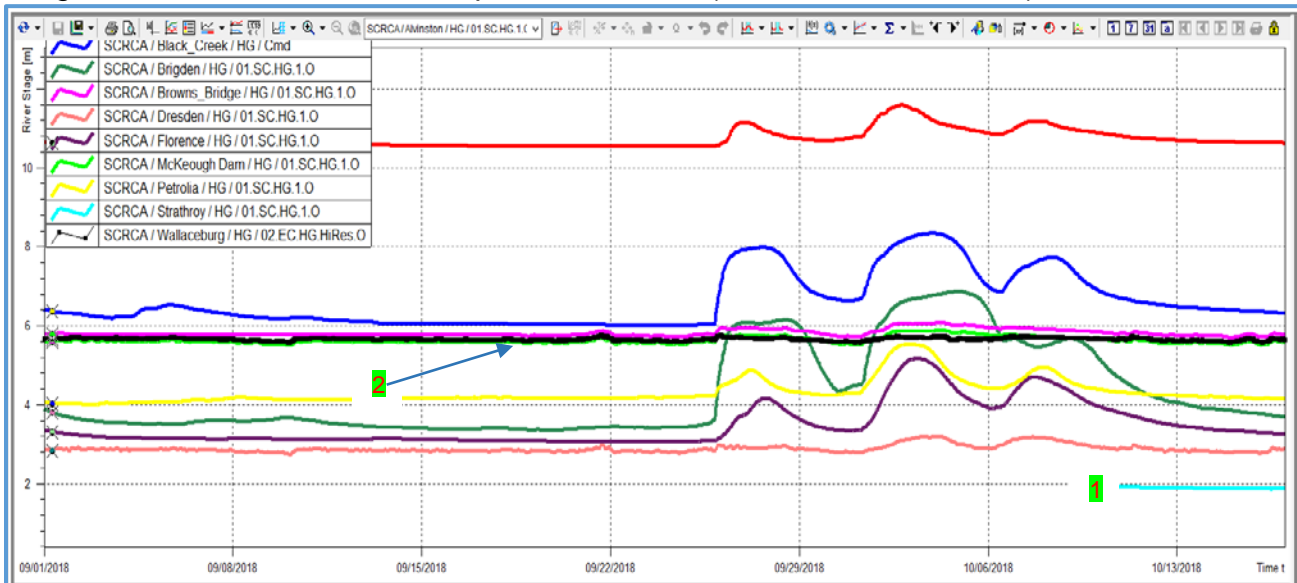
Meeting Date: November 8, 2018
Report Date: October 24, 2018
Submitted by: Steve Clark

Item 9.1

Subject: Watershed Conditions Report and
 Great Lakes Levels

Current Watershed Conditions:

Fig 1 Current River Levels – September to date (SCRCA - WISKI Data)



- Reasonably dry conditions throughout the first part of September were followed by several minor storm events in the last week of the month causing an increase in river levels across the watershed into the first part of October. The exception was Strathroy which had significantly greater precipitation as noted below.
- Fig 1. Is a hydrograph generated through the WISKI data and flood management system recently implemented by our Water Management Department. This new software replaces our aging gauge management system (GDAT) and has become the standard data management system at many CA's as well as MNRF. Flood management will utilize both systems on an interim basis to confirm data integrity. As a note, the Strathroy gauge only recently came on-line October 10th (1). Additionally, note (2) illustrates the close relationship between the McKeough, Browns Bridge and Wallaceburg levels during normal operations.

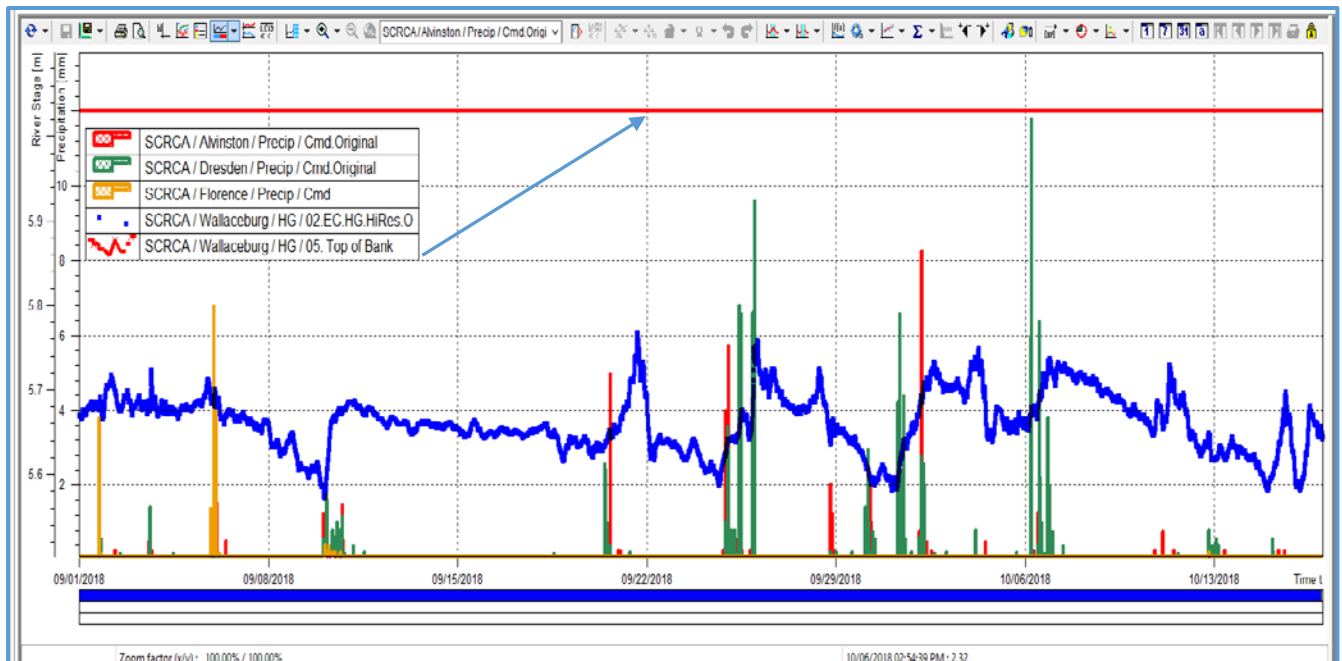
Precipitation:

Fig 2. Regional Precipitation (ECC Data)

Precipitation (mm)	Sarnia		Strathroy		London		Windsor	
Last Quarter	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal
July	91.2	74.1	59.4	71.7	110.4	82.2	42.8	81.8
Aug	119	77.1	143.2	82.1	72.1	85.3	43.5	79.7
Sept	51.4	94	101.4	89.8	39.5	97.7	77.8	96.2
Averages								
last 3 month totals	261.6	245.2	304	243.6	222	265.2	164.1	257.7
last 3 month % of normal	106.7%		124.8%		83.7%		63.7%	
regional average	94.7%							
last 6 month totals	493.9	476	585	476.1	475.8	517.1	500.9	513.4
last 6 month % of normal	103.8%		122.9%		92.0%		97.6%	
regional average	104.1%							
last 12 month totals	811.6	846.8	1101	945.1	924.4	987	1076.8	918.4
last 12 month % of normal	95.8%		116.5%		93.7%		117.2%	
regional average	105.8%							

- No significant events were noted in September and into October resulting in the average 3 month precipitation numbers below average **94.7%** of normal. Notable exception was Strathroy where above average rainfall was experienced mostly near the end of the month. Overall six month numbers slightly above expected at **104.1%**. Regional numbers for the year remain above average at **105.8%**
- Fig 3. below identifies rain events across all gauges in the watershed compared with the actual impact on flows at the Wallaceburg gauge (Blue).

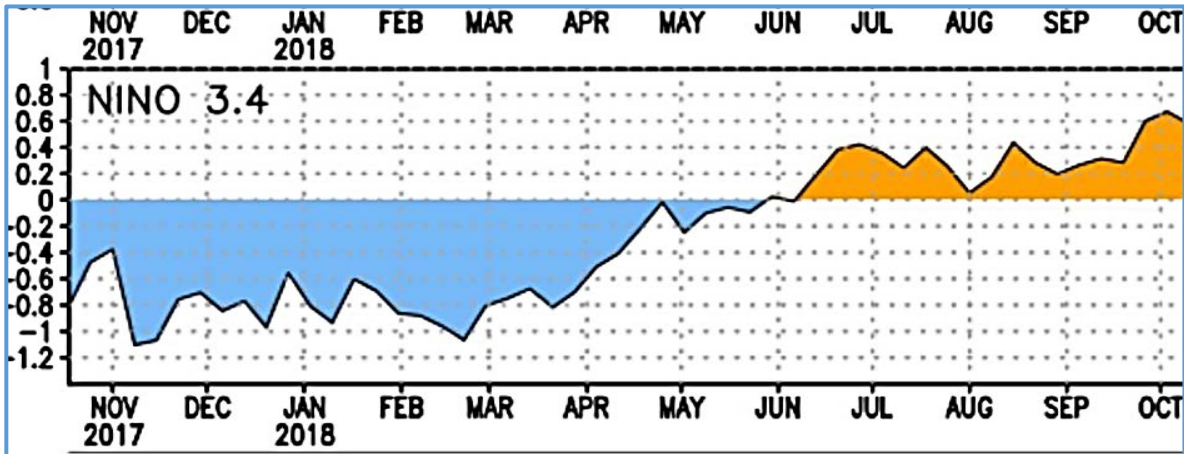
Fig 3. Rain Events Compared to Wallaceburg Levels – September to date (SCRCA WISKI Data)



Weather Conditions and Forecast:

ENSO Conditions

- Trending towards El Nino conditions in the fall and winter months.



November

- Slightly below normal temperatures for the first part of the month with precipitation expected to be normal. Warming trend toward the end of the month with average precipitation

Fall and Winter 2018\2019

- Winter temperatures will be close to normal, on average, with above-normal precipitation and snowfall. The coldest periods will be in mid- and late December, early and late January, and early February. The snowiest periods will be in early December, mid-February, and early to mid-March. April and May will be cooler than normal, with above-normal precipitation.

TEMPERATURE AND PRECIPITATION NOVEMBER 2018 TO OCTOBER 2019

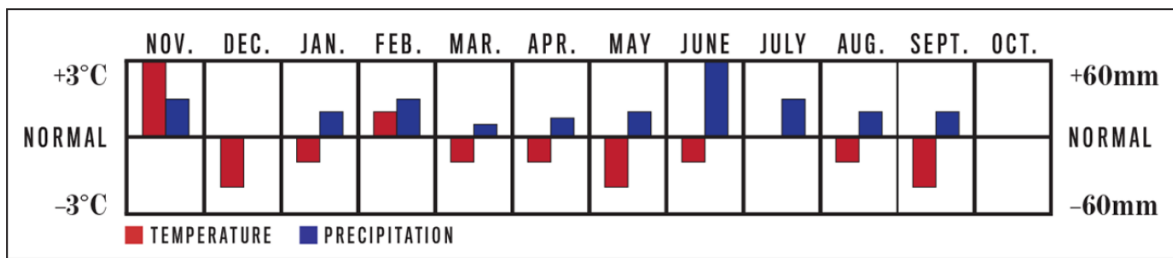
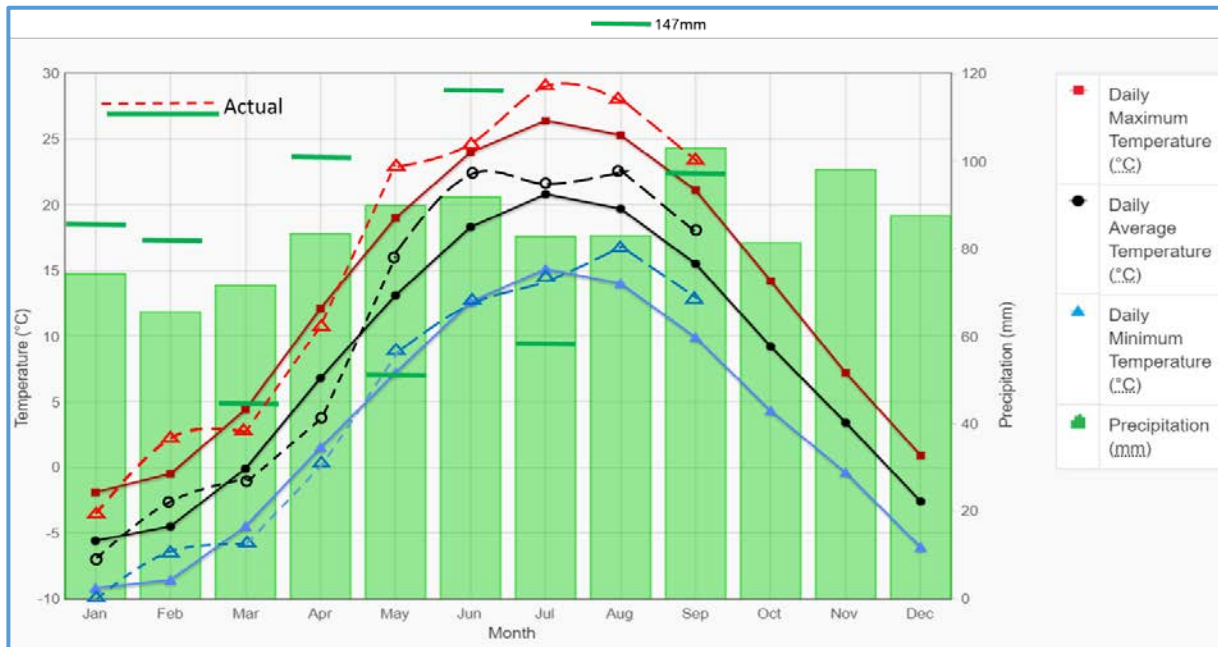


Fig 4. Identifies the seasonal normal (solid lines) with 2018 conditions (dashed lines)



Flood Threat

While no specific issues relating to flooding are apparent since the watershed levels can accommodate most events at this time of the year, intense storm systems may result in significant rainfall causing drainage ditches and urban areas to become inundated very quickly. Advisories will be issued as needed from our Flood Management Office.

Great Lakes Levels:

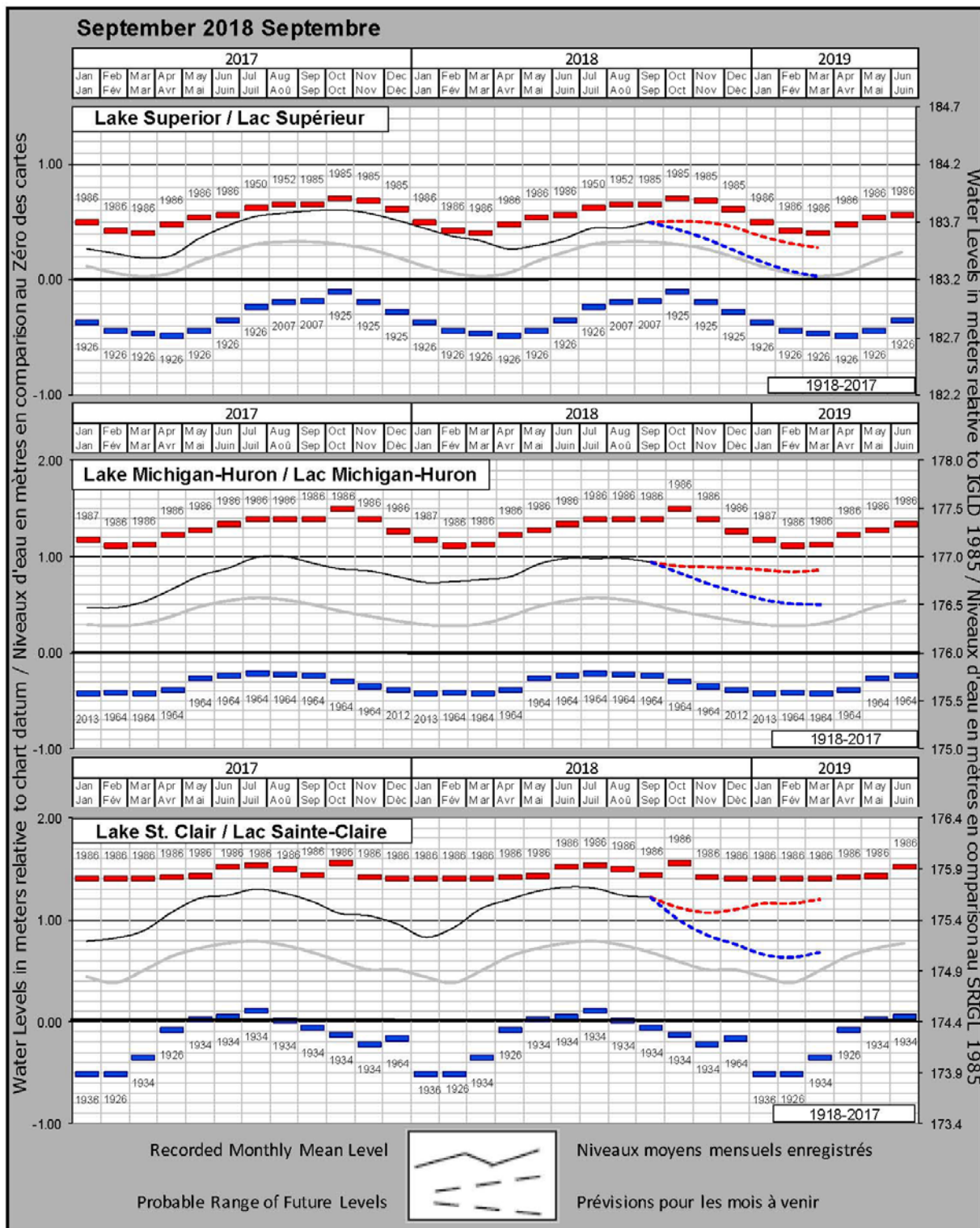
September Lake Huron lake level data (latest available as of this report) indicates a slight increase in overall monthly levels compared to last year by **1cm** over September 2017. Lake St Clair and Lake Erie also show

Fig 5. Great Lakes Data (Fisheries and Oceans Canada)

September 2018	Lake Huron	Lake St. Clair	Lake Erie
Mean for Month (preliminary data)	176.94	175.62	174.66
Mean for month last year	176.93	175.58	174.59
Change	0.01	0.04	0.07
Mean for month, last 10 years	176.37	175.15	174.26
Change compared to current	0.57	0.47	0.40
Mean for month, All Time	176.51	175.09	174.17
Change compared to Current	0.43	0.53	0.49
Statistics for period of record			
Maximum monthly mean / year	177.38	175.84	174.83
	1986	1986	1986
Change compared to Current	-0.44	-0.22	-0.17
Minimum monthly mean / year	175.76	174.34	173.38
	1964	1934	1934
Probable mean for next month	176.86	175.46	174.55
Next month compared to current	-0.08	-0.16	-0.11

slightly higher increases. Current levels remain substantially above the 10 year average as well as above the all-time average (100 years). While it is difficult to establish a trend, lake levels remain high consistent with the overall trend for the past few years.

Fig 6. Three Year Overview of Lake Levels (Fisheries and Oceans Canada)



Flood Forecasting Innovation Project (Emily DeCloet – Project Coordinator)

St. Clair Conservation is continuing its partnership with Lambton College on the Flood Forecasting Innovation Project. This project will modernize flood forecasting by providing staff the ability to quickly and accurately forecast flood conditions in locations void of monitoring equipment. Project highlights include:

- Installation of the monitoring camera on the Wallaceburg stream gauge. Approval from Chatham-Kent has been received to move the camera to the McDougall Street footbridge beside the gauge, which will allow a greater field of vision to monitor water level and ice conditions.



- The mobile rain gauge has been installed at the Strathroy office, where the equipment is being tested before being deployed in the field. This mobile unit will allow staff to monitor precipitation across the watershed in areas that do not currently have rain gauges.

Next steps of the project include development of the mobile water level logger, which will provide staff the ability to monitor water levels in real-time, in areas that do not have a stream gauge



Meeting Date: November 8, 2018
Report Date: October 25, 2018
Submitted by: Girish Sankar

Item 9.2

Subject: Floodplain Mapping Project

National Disaster Mitigation Program:

The National Disaster Mitigation Program (NDMP) was established by the Government of Canada to address the increasing dangers and costs faced by Canadian Communities as a result of flood events. The program will receive \$200 million in funding over the course of five years to improve knowledge regarding flood risks and enhance current flood response programs. These improvements will help protect property and public safety by ensuring more efficient mitigation efforts and recovery procedures following flood events.

Issues/Analysis:

In Ontario, Conservation Authorities have been delegated the primary responsibility for risk assessments and flood plain mapping from the Ministry of Natural Resources and Forestry. In the 1970's and 1980's floodplain mapping commenced under the Flood Damage Reduction Program (FDRP). Since that time, there have been no federal or provincial investment towards flood plain analysis.

The existing floodplain mapping of SCRCA is based on older Digital Elevation Models with coarse contour intervals of 5 meters. Floodplain elevation discrepancies are often noticed during the review process, often by 1 – 2 meters or more. Through the SWOOP program, our office has acquired accurate imagery (2010) that can be used to create an extremely detailed DEM with greater accuracy. A flood study using this DEM will deliver accurate floodplain mapping for the watershed.

Staff at SCRCA were successful in the first round of applications to NDMP for floodplain mapping – Phase 1 work which includes City of Sarnia and St. Clair Township.

SCRCA staff propose to apply for Phase 2 funding to complete an updated floodplain mapping study for the remaining part of the watershed. Once these studies are completed (Phase 1 and Phase 2), SCRCA will have updated floodplain mapping for the entire watershed.

Finance:

The total cost of this project is estimated to be \$310,500. If approved for NDMP funding, 50% of the costs have to be matched by the Municipality, of which 15% is in-kind contributions such as labour, use of facilities and equipment, which can be readily

absorbed by SCRCA. The SCRCA is seeking the remainder (\$135,000) from remaining Municipalities. Staff will continue to look into other funding sources to provide matching funds for this project.

Staff are in the process of finalizing all supporting documentation for this application. Application was submitted on September 25, 2018.

Meeting Date: November 8, 2018
Report Date: November 1, 2018
Submitted by: Jessica Van Zwol

Item 10.1

Subject: Healthy Watersheds Program Update

Great Canadian Shoreline Cleanup at Ipperwash Beach – September 8

Twenty volunteers met on the beach bright and early on a Saturday morning to scour the beach for garbage left in the dunes from summer beach-goers. It's always amazing what



we find each year. This year was no different. We found rugs, lawn chairs, diapers, hundreds of cigarette butts, feminine products, a flashlight, a

Christmas ornament, small kitchen knives, broken beach

toys on top of the usual plastic bottles and food containers. Special thanks to Ipperwash Beach Club, who provided ice cream to all participants – We think everyone worked harder because of the reward! Thanks to Lambton Shores for supplying the garbage bags and gloves as well as transporting the garbage away for us. Ipperwash Beach benefits from such a great community of volunteers that almost daily collect garbage to keep it a pristine environment.



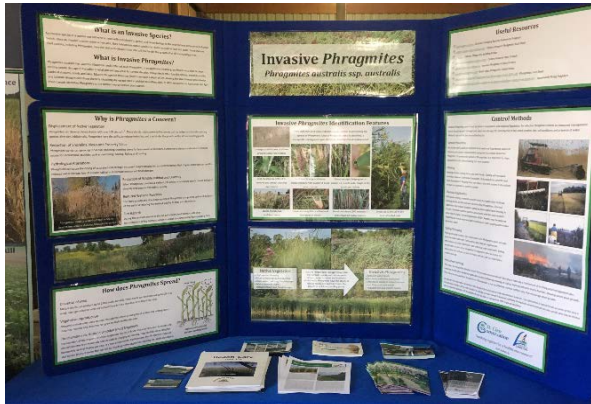
#TDTreeDays in Strathroy, Forest, and Sarnia – September 15, 29 and October 20

We are amazed at how many community volunteers participate in these events! For the three events, over 120 people attended! Nearly 50 Scouts and Guides attended the Strathroy event, the Mayor of Lambton Shores made sure he planted as many trees as any one else that day, and the Sarnia event brings so many industry volunteers. Over 340 trees were planted through this initiative.



Forest Fall Fair – September 21-23

As always, our snakes and turtles attract a crowd at the Forest Fall Fair. This year, staff also included our new Invasive *Phragmites* Display. These informational panels aim to provide identification and management tips for rural landowners. Over 250 people stopped by the booth over the weekend and staff shared information on farm best management practices, conservation areas, and actions individuals can do to improve water quality.



Tailgate Talk – Interseeding & Grazing Cover Crops – Oct 3

Six local farmers shared their cover cropping experiences and suggestions to a crowd of 25 people. The farmers shared how they were trying to build soil health and stability through cover crops and finding cost benefits in grazing their livestock on the cover crops later into the fall/winter season. Modified cover cropping equipment was on site for farmers to observe and ask questions about. The informal discussions were lively and continued for over an hour beyond our intended end time. A reporter from Today's Farmer attended and the event was funded by a TD FEF grant.



Meeting Date: November 8, 2018 **Item 10.2**
Report Date: November 1, 2018
Submitted by: Jessica Van Zwol, Erin Carroll

Subject: Sydenham Watershed Plan for Phosphorus Management funded by Environment and Climate Change Canada

Recommendation:

That the Board of Directors support the development of a new Phosphorus Management Plan for the Sydenham River.

Background:

Environment and Climate Change Canada (ECCC) has provided funding for SCRCA to create a Phosphorus Management Plan for the Sydenham River Watershed. Funding is confirmed for 2018-2019 with possibility of an extension for two more years.

The anticipated outcomes of developing this Plan are:

- a summary of the water quality and nutrient status of the Sydenham River Watershed,
- a summary of information and knowledge gaps that exist in water quality and nutrient status for the Sydenham River Watershed,
- an outline of potential next steps to address those gaps,
- recommendations to guide actions of stakeholders in the future

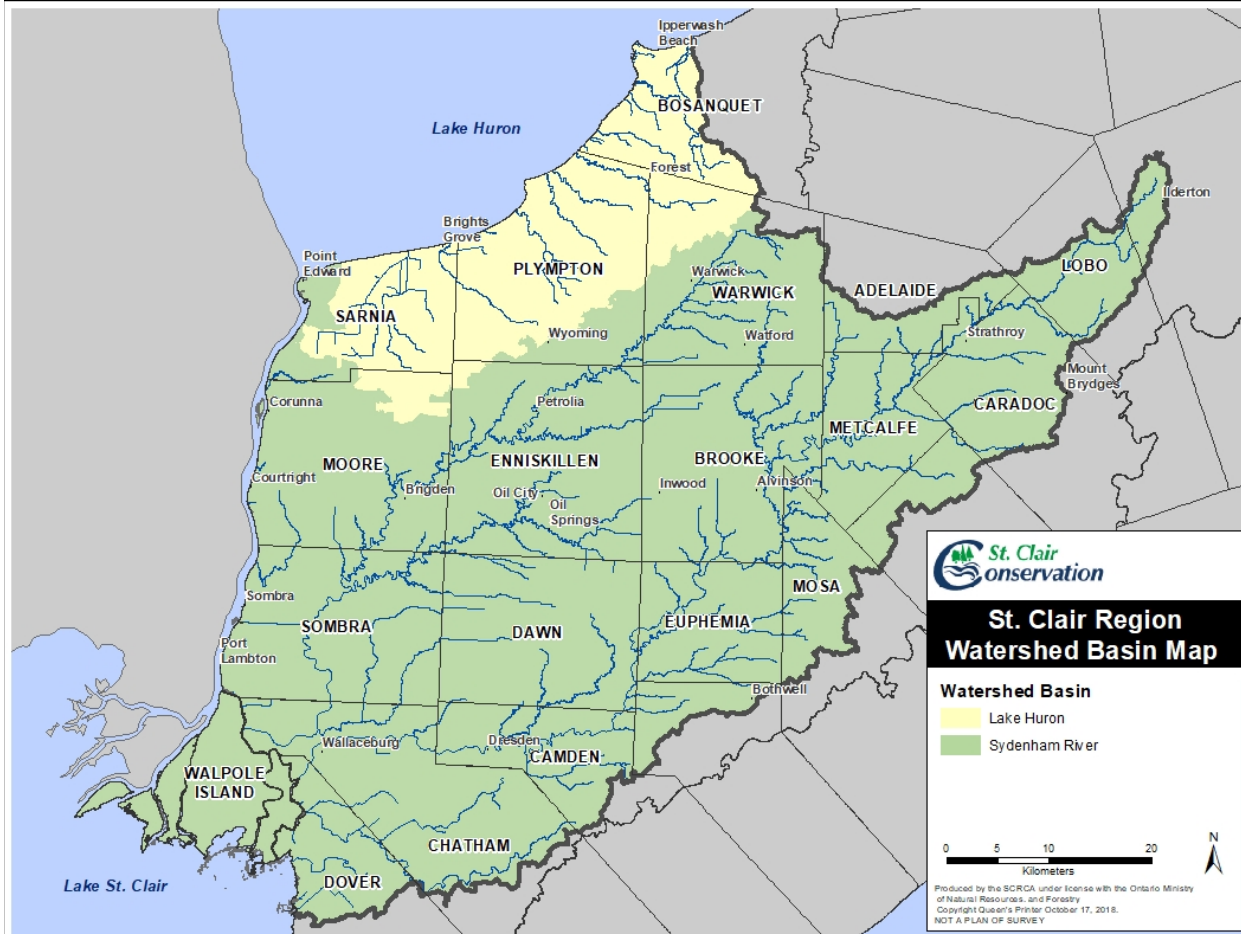
The overall goal of this Management Plan is to work with stakeholders to compile existing data and knowledge and with that information (or lack thereof), chart a path for phosphorus monitoring, management and reduction in the Sydenham River Watershed.

Year 1 (2018-2019) Goals:

- Determine stakeholders and host a stakeholder meeting to encourage early support of the Plan and obtain data from appropriate sources
- Outline Phosphorus sources as a team of stakeholders
- Develop a Steering Committee and Project Team
- Develop a Project Charter
- Develop a draft Table of Contents to submit to ECCC based on input from stakeholders and available data
- Commence literature reviews on BMP strategies

Environment and Climate Change Canada recognizes the Sydenham River Watershed as a Tertiary Watershed of Lake Erie. Under this classification, both the North and East branch of the Sydenham River, Lake St. Clair Tributaries and the St. Clair River

Tributaries are all classified into the “Sydenham River Watershed (02GG)” (see map below). We will be using this classification in the Management Plan.



Although the focus is on the Sydenham Watershed, staff plan to involve all 17 of our member municipalities (through technical staff such as drainage superintendents, WWTP operators, etc.) from the beginning. 14 of the 17 member municipalities have jurisdiction in the Sydenham River Watershed. Staff are seeking municipal and local stakeholder buy-in from the beginning as the Management Plan will benefit from local information regarding possible sources and impacts and suggestions on mitigating concerns arising from identified sources.

We anticipate that with early stakeholder buy-in, all stakeholders will gain an understanding of how collectively, we can address the concerns and move forward with strategies on outreach and engagement, and BMP uptake.

Strategic Objectives(s):

To complete a usable technical report that has support from the beginning from local municipalities and stakeholders to target sources of nutrients, information gaps, and outline potential solutions in our watershed.

The objective of this board report is to encourage the Board to support this large undertaking and promote the plan as it develops.

Financial Impact:

ECCC is providing \$100,000 from September 2018 to March 2019 with the expectation that funding will continue until March 2021. This funding can be allocated to staff salary or towards consultant fees if it is decided that the Plan will be contracted out.

The goal at this point is to use the majority of funding for staff time. We will connect with various ministries and Conservation Authorities to assist us in defining the vision, timelines, and statistical analysis wherever possible. We will lean on the input of our Steering Committee and stakeholders for data, sources identification, and promotion of the plan within their sectors.

Meeting Date: November 8, 2018
Report Date: October 22, 2018
Submitted by: Greg Wilcox

Item 10.3

Subject: North Sydenham Mussel Inventories

Recommendation:

That the Board of Directors acknowledges this report dated October 22, 2018 on mussel research on the North Sydenham River including Bear and Black Creeks.

Background:

The Sydenham River is made up of two main branches, the East Branch and the North Branch. The East Branch has long been recognized as a hotspot for mussel diversity whereas the North Branch has often been overlooked and understudied.

The Sydenham River (both branches) has either current or historic occurrences of 11 species at risk (Federal Species at Risk Act) mussels. Another three species have been assessed as at risk by The Committee on the Status of Endangered Wildlife in Canada (COSEWIC) but have no SARA status at this time. Of these 14 species, five had been recorded on the North branch prior to 2016 (Mapleleaf, Lilliput, Rainbow, Round Pigtoe, and Salamander).

This was a 2 year project (2017 and 2018) to inventory freshwater mussels on the North Sydenham (including Bear and Black Creeks). Funding has been provided by Environment and Climate Change Canada through the Habitat Stewardship Program (SAR stream) and the Ontario Trillium Foundation (through a partnership with Friends of the St. Clair River).

Study Design:

Current records on the North Sydenham are sparse. Rather than completing repeat sampling or focusing on pre-screened "good habitat" locations, a more systematic approach was taken. Two 7km stretches of river will be surveyed each year with 14 surveys conducted in each stretch. By conducting a large number of surveys in a small section of river, we will better understand the distribution and abundance of mussel species in the system.

Each 7km section of river was divided into fourteen 500m segments. One survey will be completed in each 500m segment. Surveys consist of a 4.5hr intensive timed search which were shown to significantly increase the rate of detection of rare species relative to 1.5hr surveys (Metcalf-Smith et al., 2000). Staff search by hand for mussels in the top 5-10cm of sediment, no excavation tools were used. Both live and dead mussels

were collected and identified then returned to the system. Typical surveys included staff searching in ½-hour intervals before stopping to process. Based on the volume of mussels at the site, some sites required more frequent processing. Surveys lasted until 4.5hrs of total search time was reached.

Each 500m segment was not surveyed in its entirety. Survey sites varied in length based on the time required to search. Factors commonly affecting search length included width of channel, density of mussels, substrate type, and water depth.

Results:

Throughout the project, 58 surveys were completed. Thirty-five surveys were on Bear Creek and twenty-three on Black Creek. A total of 7945 live mussels and 7825 dead (old shells) were observed. Of the 7945 live mussels, 6161 were observed on Bear Creek and 1784 on Black Creek. That is an average of 176 live mussels per survey on Bear and 78 on Black.

Throughout the project, 22 species were observed (two were dead only). Twenty-one species on Bear Creek and 12 species on Black Creek. Of the species found, six were species at risk (SAR). The following table summarizes the mussels found during the surveys:

Species	Bear Creek	Black Creek	Total Live	SARA Status	COSEWIC Status
Creeper	*	*	28		
Creek Heelsplitter	*		9		
Cylindrical Papershell	*		1		
Deertoe	*	*	305		
Fatmucket	*	*	246		
Flutedshell	*	*	12		
Fragile Papershell	*	*	489		
Giant Floater	*	*	1104		
Lilliput		*	2		Endangered
Mapleleaf	*	*	1754	Threatened	Special Concern
Paper Pondshell	*		6		
Pimpleback	*		2		
Pink Heelsplitter	*	*	125		
Rainbow	*		6	Endangered	Special Concern

Species (Cont.)	Bear Creek	Black Creek	Total Live	SARA Status	COSEWIC Status
Round Pigtoe	*		35	Endangered	Endangered
Salamander	**			Endangered	
Slippershell	**				
Spike	*	**	124		
Threehorn Wartyback	*		8		Threatened
Threeridge	*	*	1216		
Wabash Pigtoe	*		215		
White Heelsplitter	*	*	2245		
Unknown	*	*	13		

(*) present in watercourse live

(**) present in watercourse dead only

Significant Observations:

Pimpleback, Threehorn Wartyback (Threatened – COSEWIC), and Slippershell are all new observations for the North Sydenham. The Lilliput mussel (Endangered – COSEWIC) only had one previous record on the North Sydenham, which was considered historic (1967).

Mapleleaf (Threatened – SARA) was found in high abundance in some areas of the North Sydenham. 1754 Mapleleaf were observed, making it the second most abundant species in the surveys. Although they were found in good numbers, some areas in the watershed did not support the species.

Twenty live species of mussels shows the diversity of the North Sydenham. Historic surveys indicate the presence of an additional four species (Elktoe, Fawnsfoot, Mucket, Plain Pocketbook). Although it does not support 34 species like the East branch, there are only a handful of watercourses in Ontario that have greater diversity.



Lilliput



Pimpleback



Threehorn Wartyback



Mapleleaf

Conclusion:

Mussel monitoring work conducted by SCRCAs biology staff throughout the Sydenham watershed plays an important role in the overall research and knowledge of Ontario Freshwater Mussel populations. With the Sydenham River being the most diverse location in Ontario, current knowledge gaps should be filled in order to promote the best possible planning and management practices. SCRCAs collect valuable baseline data that is contributing to closing these gaps and providing a greater understanding about species presence and distribution, especially Species at Risk. This data is valuable to a wide range of organizations including the Ministry of Natural Resources and Forestry and the Department of Fisheries and Oceans and will be used for various projects for years to come.

Meeting Date: November 8, 2018
Report Date: October 22, 2018
Submitted by: Greg Wilcox

Item 10.4

Subject: SCRCA contract with Ducks Unlimited Canada (DUC) for wetland monitoring.

Recommendation:

That the Board of Directors acknowledges this report dated October 22, 2018 on the DUC/SCRCA wetland monitoring contract.

Background:

The Ducks Unlimited Canada Institute for Wetland and Waterfowl Research (IWWR), located in Stonewall Manitoba, conducts research on the unique relationships between wetlands, waterfowl, watershed health, biodiversity, and more.

Bryan Page with DUC is a Research Biologist with work focusing on the cycling of nutrients, the sequestration of carbon and the bioavailability of trace metals in different wetland types across Canada. Bryan is responsible for coordinating the IWWR's water quantity and quality field research activities as well as other projects. Bryan collects data that increases our understanding of the environmental impacts of wetland drainage on water quality and quantity. In particular, he is interested in quantifying the amount of phosphorus and nitrogen exiting wetlands.

In September, Bryan contacted the SCRCA Biology Department about an upcoming project to monitor water chemistry and water quantity flowing into and out of newly constructed wetlands in Southwestern Ontario. Bryan was in need of a partner to complete the weekly monitoring at the wetland sites. Staff were eager to collaborate on a project that monitors the impact of constructed wetlands on nutrient cycles (including phosphorus).

SCRCA's Project Role:

SCRCA Biology staff will act as a contractor for DUC and complete weekly monitoring at eight sites for up to 3 years. Deliverables for this contract include tasks such as:

- Manually measure all inflows and outflows
- Collecting water chemistry samples from inflows, outflows, and wetland basins
- Maintain runoff samplers and collect water quality samples
- Downloading data from flow loggers, and level loggers
- Maintain and troubleshoot flow and level loggers
- Aid in collecting bathymetry data for each basin
- Collect soil and sediment samples
- Ship or deliver water samples to the lab

- Data management
- Other miscellaneous tasks

Financial Impact:

This contract, signed in September provides \$18,000 (plus applicable taxes) of funding for the period ending March 31, 2019. The contract provides \$36,000 of funding annually and will require renewal each year. Funding will cover staff time and vehicle expense. Any equipment purchases required for the project will be invoiced to DUC.

Meeting Date: November 8, 2018
Report Date: October 24, 2018
Submitted by: Erin Carroll

Item 10.5

Subject: Species at Risk legislation in respect to municipal drainage works.

Recommendation:

That the Board of Directors acknowledges this report dated October 24, 2018 regarding Species at Risk legislation in respect to municipal drainage works.

Background:

On September 20, 2018 the SCRCA Board asked for further information on how St. Clair Conservation can help the municipal drainage community meet the requirements of Species at Risk (SAR) legislation.

There are both federal and provincial laws that apply to all drain work with species at risk and species at risk habitat: the Endangered Species Act (ESA) and the Species at Risk Act (SARA).

From the **Endangered Species Act (ESA)**, 2007, S.O. 2007, c. 6
(<https://www.ontario.ca/laws/statute/07e06>):

Biological diversity is among the great treasures of our planet. It has ecological, social, economic, cultural and intrinsic value. Biological diversity makes many essential contributions to human life, including foods, clothing and medicines, and is an important part of sustainable social and economic development.

Unfortunately, throughout the world, species of animals, plants and other organisms are being lost forever at an alarming rate. The loss of these species is most often due to human activities, especially activities that damage the habitats of these species. Global action is required.

The United Nations Convention on Biological Diversity takes note of the precautionary principle, which, as described in the Convention, states that, where there is a threat of significant reduction or loss of biological diversity, lack of full scientific certainty should not be used as a reason for postponing measures to avoid or minimize such a threat.

In Ontario, our native species are a vital component of our precious natural heritage. The people of Ontario wish to do their part in protecting species that are

at risk, with appropriate regard to social, economic and cultural considerations. The present generation of Ontarians should protect Species at Risk (SaR) for future generations.

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

The purposes of this Act are:

1. To identify species at risk based on the best available scientific information, including information obtained from community knowledge and aboriginal traditional knowledge.
2. To protect species that are at risk and their habitats, and to promote the recovery of species that are at risk.
3. To promote stewardship activities to assist in the protection and recovery of species that are at risk. 2007, c. 6, s. 1.

On June 29, 2018, the Ministry of Environment, Conservation and Parks assumed responsibility for the Endangered Species Act, 2007. The act was formerly the responsibility of the Ministry of Natural Resources and Forestry.

The purpose of the Federal **Species at Risk Act (SARA)** (<https://laws-lois.justice.gc.ca/PDF/S-15.3.pdf>) is similar:

To prevent wildlife species from being extirpated or becoming extinct, to provide for the recovery of wildlife species that are extirpated, endangered or threatened as a result of human activity and to manage species of special concern to prevent them from becoming endangered or threatened.

Drainage work must follow certain rules if drain improvement, maintenance or repair occurs in a drain or ditch that could affect a protected species or habitat. Municipalities and the drainage community have expressed concerns relating to additional costs and administration of timelines required to comply with this legislation.

SCRCA's Project Role:

SCRCA currently has no role with regard to species at risk legislation and drains.

Drain Review - The current role of the Authority in drainage review is to ensure that the proponent meets Regulatory requirements of "O. Reg. 171/06: ST. CLAIR REGION CONSERVATION AUTHORITY: REGULATION OF DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO SHORELINES AND WATERCOURSES" (<https://www.ontario.ca/laws/regulation/060171>). Municipal drains are generally watercourses as defined under the CA Act and are therefore regulated by CAs. O. Reg.

171/06 has no mention of species at risk. This separate piece of legislation states that “no person shall straighten, change, divert or interfere in any way with the existing channel of a river, creek, stream or watercourse or change or interfere in any way with a wetland” unless permission is granted by the Authority. SCRCA staff work with municipalities to issue permits.

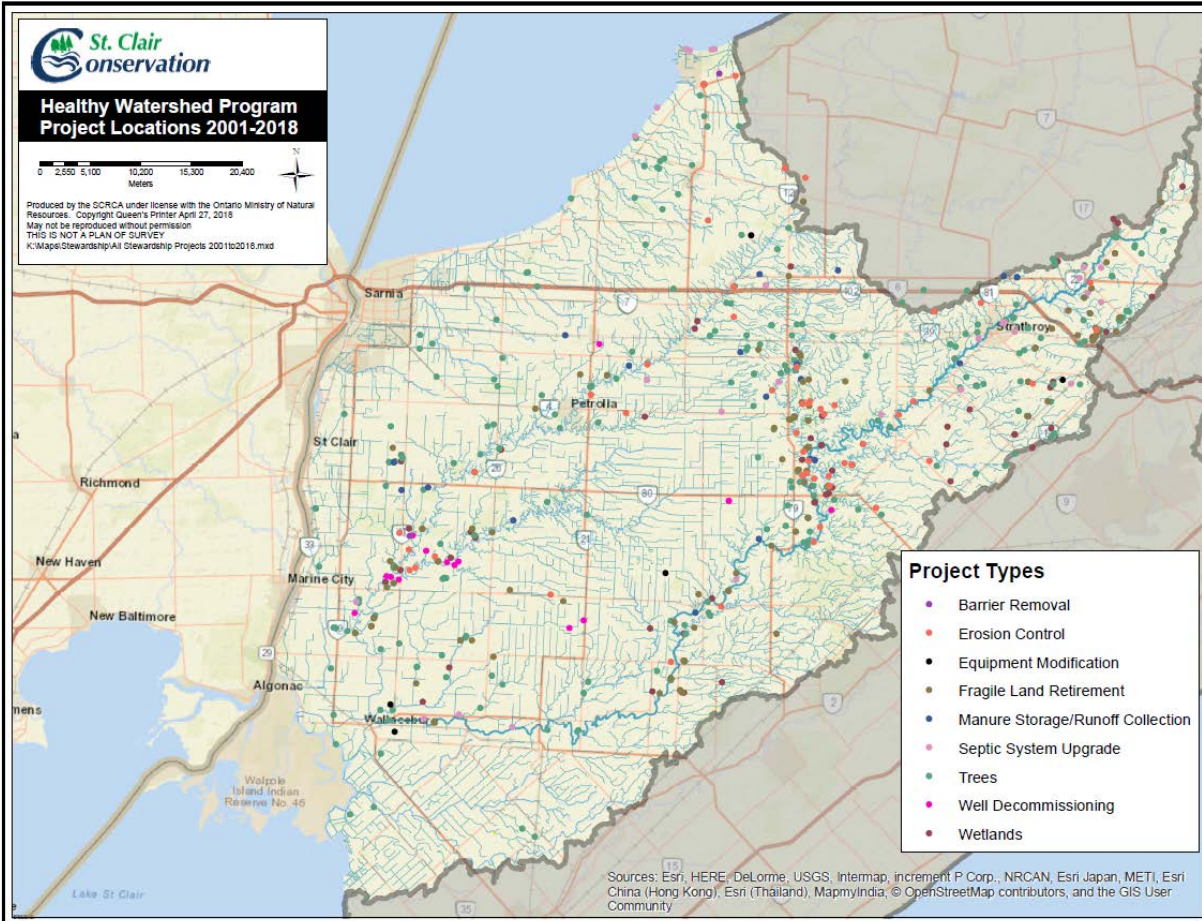
Staff help member municipalities meet O. Reg. 171/06 regulatory requirements by issuing Standard Compliance Requirements (SCRs) as per the Drainage Act and Conservation Authorities Act (DART) Protocol and Letters of Review (LoR) for projects where DART does not apply (Drainage Act, S. 4: Petition Drains and S. 78: Improvements). Staff also meet with Drainage Superintendents on proposed projects and conduct site visits where necessary. If drain repair and maintenance activities are carried out (with or without permission) and result in impact on regulated areas with respect to the Conservation Authority’s responsibilities under the Conservation Authorities Act, the Conservation Authority could be held liable for not under taking or enforcing its regulatory authority.

SCRs and LoRs outline project specific sediment and erosion control measures for all projects. Upstream and downstream flooding are considered where appropriate (e.g., culverts and enclosures) and advice is incorporated into review letters and SCRs. Interference with wetlands is discouraged by negotiating project specific mitigations. St. Clair Conservation staff work with municipalities to try to find solutions that meet the requirements of both the Drainage Act and the Conservation Authorities Act.

Species at Risk Stewardship - St. Clair Region Conservation Authority’s involvement with Species at Risk is primarily with grant funded projects. SCRCA receives funding through the Provincial Species at Risk Stewardship Fund and Federal Habitat Stewardship Fund to promote stewardship activities to assist in the protection and recovery of species at risk.

These grants have supported:

- Collection and incubation of endanger Eastern Spiny Softshell turtle eggs: 740 hatchling turtles were released in 2018.
- Delivery of a Species at Risk education program
- Annual Species at Risk newsletter distributed to more than 60,000 residents
- Sydenham River webpage featuring aquatic Species at Risk
- Installation of Eastern Foxsnake Nesting Boxes
- Testing of newly developed Eastern Foxsnake monitoring protocol
- Fish and mussel surveys to determine distributions.
- From 2001- 2018 stewardship funds have been allocated to **over 500 habitat or water quality improvement projects**. Project types include: tree planting, wetland creation, erosion control, tall grass prairie, streambank stabilization and equipment modification projects.



How can SCRCA staff help with regard to SAR and Drains?:

Staff biologists could act as qualified professionals or ESA/SARA advisors, helping Drainage Superintendents to meet the regulatory requirements of the ESA and SARA. This role would go beyond the current scope of SCRCA’s work. It is not the type of work that is typically grant funded.

Examples of ways that staff could assist include:

- Screening for Species at Risk
- Assuring drain projects have accounted for Species at Risk in the design phase
- Completing applications, registering activities, or applying for permits
- Suggesting/ helping to implement habitat mitigations
- Identifying applicable timing windows

Financial Impact:

SARA and ESA advisory fee: The existing staff compliment is already fully occupied with existing board approved programs/projects. Additional staff may be necessary to complete this role. If staff were asked to act as qualified advisors under ESA and SARA, additional costs would have to be recovered. This new service could be covered by a special levy and/or review fees from partnering municipalities. This structure is

similar to the “natural heritage planning advisory service” that SCRCA uses to cover the cost of providing Planning Act comments. The special levy and fee structure could be determined based on number of municipal partners, and number of files annually.

Meeting Date: November 8, 2018 **Item 11.1**
Report Date: October 25, 2018
Submitted by: Steve Shaw

Subject: Conservation Services Program Update

Tree Planting Program:

- Landowner site visits for the 2019 spring tree planting program were carried out in the summer and will be ongoing throughout the rest of the year.
- There are 14 confirmed planting projects with landowners so far. With the arrival of the fall season, more calls and requests from landowners for tree planting and tree planting grant programs have started to come into the office.
- Approximately 60,000 trees have been ordered and secured from tree nurseries.
- Approximately 30,000 trees have been allocated to landowner projects thus far.
- Tree prices from the nurseries have increased for 2019, putting another 10% cost increase on tree stock for the second year in a row.

Managed Forest Tax Incentive Program (MFTIP):

- We have received several requests for managed forest tax plan approvals.
- New plans are due June 30, 2019 for the 2020 tax year.
- New plans must be approved by a certified plan approver and submitted to the MNRF.
- MNRF submits the updated property information to MPAC.
- MPAC adjusts property taxes on the managed forested portion of the property that are equal to agricultural tax rates.
- SCRCA has one approver on staff.

Vegetation Management Program:

- Approximately 260,000 trees require vegetation control this fall.
- Fall herbicide applications on 2016 to 2018 tree planting sites started in October and will continue into late November after the deciduous seedlings go into dormancy and drop their leaves.

Seed Collection Program:

- Enbridge has supported SCRCA's tree program with another generous donation this year. Funding goes towards tree seed collection efforts and a new tree seed bank planting project to support the future of tree planting in this region.
- A tree seed collector workshop was held at L.C. Henderson CA on October 11th. This was a follow up workshop from last year.
- This year, department staff, with help from some new tree seed collectors and several volunteers collected 2,600 litres of tree seed. All seed was shipped to the tree nursery where most of our deciduous trees are purchased. This ensures the trees we plant are genetically indigenous to the region for the health of our future forests.

Ontario Tree Seed Plant

The path forward – together

You spoke. We listened.

We fulfilled our promise to take a closer look at the decision to close the Ontario Tree Seed Plant. We met with partners to hear what they had to say. We sat down and talked to community groups, nursery groups, the forest industry and other interested parties about their thoughts and concerns. After careful consideration of all input from stakeholders and industry, an informed decision was made based on the best interests of the people of Ontario.

What happens next?

The ideas and feedback we heard through consultations underscored the importance of listening. Coming together allowed us to clearly define a course of action which includes:

1. Supporting clients and businesses
2. Proceeding with timely divestment of equipment, the plant and property
3. Allowing fair opportunity for the site to transition to other public or community possession.
4. Protecting biodiversity
5. Preserving our cultural heritage



White Pine Seed

How are we supporting clients and businesses?

We are committed to supporting seed clients and businesses through this transition by sharing knowledge, connecting people, helping cultivate new relationships and partnerships and facilitating opportunities for clients and businesses to discuss their needs with one another.

This support includes hosting workshops and meetings with seed businesses to:

- provide access to information, experience and knowledge
- discuss current and future market opportunities
- facilitate and coordinate discussion amongst and between clients, service providers and interested parties

How are we moving forward with the site assets/equipment?

Divestment of government assets at the plant will be done in a manner that is transparent, equitable and as efficient as possible for those interested in acquiring equipment.

We will keep interested parties informed of the process, availability of equipment, and in some cases, where there is significant stock, direct sales through correspondence and direct contact. Interested stakeholders should contact the MNR project manager and monitor the website which will be updated to provide additional information <https://www.ontario.ca/page/buy-ontario-tree-seeds-or-cones>.

What about the site/property?

Divestment of the buildings and property is a process that involves consulting with a wide range of government ministries, agencies and other entities outside of government to determine if there are interests in the facilities. This includes municipalities, conservation authorities, school boards, public colleges and universities, eligible not-for-profits, entities identified by the Treasury Board as well as eligible Indigenous communities. This process takes time to engage with all potentially interested parties. Only in the event there are no identified interests it is possible that the buildings and property might be divested through mandate sale.

How are we protecting biodiversity?

We are proceeding with the establishment of a native seed genetic archive at the Ontario Forest Research Institute in Sault Ste. Marie. The archive will:

- help ensure healthy forests for future generations by supporting genetic and biodiversity conservation, climate change and resilient forest research.
- include the storage of representative native seeds from across Ontario.
- take a collaborative approach with interested parties in the collection and processing of seed that will be stored and managed for archive and research purposes at OFRI.

The ministry will be seeking input from partners and stakeholders with expertise and interests in the native genetic seed archive.

In addition to the archive, we are helping to sustain the vitality of our forests under the Crown Forest Sustainability Act by:

- updating the ministry's seed transfer policy to ensure Ontario's tree seeds have a high probability of being adapted to their growing environment and produce well-adapted trees now and in the future. This is a critical component of sustaining our forests for the people of Ontario.
- helping fund regional genetic associations that manage provincial forest genetic assets to conserve genes, provide high quality seed sources and develop trees that are adapted to future growing environments.

How are we preserving cultural heritage?

We are ensuring cultural heritage assets from the Ontario Tree Seed Plant are identified, documented and preserved. Items will be maintained at the Archives of Ontario or displayed in government buildings and museums for the public to celebrate and appreciate the plant's history and show the ministry's contribution to forest conservation.

As part of our plan, the ministry will be consulting locally and looking for partnership opportunities with the intent of helping the economy and strengthening local partnership connections.

Closure of the plant is providing new opportunities for Ontario's nursery industry which, in addition to continuing to address forest and other industry needs, is increasingly interested in providing native tree and plant species for municipalities, conservation authorities and landowners.



Experimental Research

Have more questions?

Contact Ken Durst, Strategic Project Manager by email at Ken.Durst@ontario.ca

Meeting Date: November 8, 2018
Report Date: October 24, 2018
Submitted by: Kelli Smith

Item 12.1

Subject: Drainage Act and Conservation Authorities Act Protocol (DART)
 Completed Files

Recommendation:

That the board acknowledges and concurs with the September 2018 to October 2018 municipal drain activity report associated with the Drainage Act and Conservation Authorities Act Protocol (DART)

Background:

<i>SCRCA DART FILES</i>			<i>2018 SEPTEMBER</i>		
<i>FHR #</i>	<i>Municipality</i>	<i>Geographic Township</i>	<i>Drain Name</i>	<i>Project Description</i>	<i>SCRs Issued</i>
2925	Chatham-Kent	Camden	Malcom Drain	Bottom only cleanout, brushing bank slope	2
2926	Chatham-Kent	Camden	Malcom Branch Drain	Bottom cleanout, brushing bank slope	2
2927	Chatham-Kent	Camden	Malcom Turner Branch Drain	Bottom cleanout, brushing bank slope	2
2928	Chatham-Kent	Camden	Bebington Clements Drain	Bottom only cleanout, brushing bank slope	2
2924	Lambton Shores	Bosanquet	Ipperwash Drain	Spot cleanout, wetland	1
2923	Plympton-Wyoming	Plympton	Tait Drain	Brushing bank slope, bottom cleanout	2

SCRCA DART FILES**2018 OCTOBER**

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2937	Chatham-Kent	Dover	Hyatt Branch Drain old course	Brushing bank slope	1
2938	Chatham-Kent	Dover	Hyatt Branch Drain	Bottom only cleanout	1
2935	Lambton Shores	Bosanquet	Coultis Drain	Full cleanout	1
2936	Lambton Shores	Bosanquet	Haney Drain	Full Cleanout	1
2934	St. Clair	Moore	Johnston Drain	Bottom only cleanout	1
2932	St. Clair	Sombra	Chapple Drain	Brushing bank slope, brushing top of bank	2
2933	St. Clair	Sombra	Grape Run Drain	Brushing bank slope, brushing top of bank	2

Meeting Date: November 8, 2018 **Item 12.2**
Report Date: October 25, 2018
Submitted by: Dallas Cundick, Melissa Deisley, and Michelle Gallant

Subject: Regulations Activity Summary – September, 2018

A summary of staff activity related to the Conservation Authority's *Development, Interference of Wetlands, and Alterations to Shorelines and Watercourses Regulation* (Ontario Regulation 171/06 under Ontario Regulation 97/04) is presented below. This report covers the period from September 1, 2018 to September 30, 2018

Regulations Permits:

Application No:	R#2018-163	Municipality:	Adelaide-Metcalfe		
Subject Property:	27936 Pike Road				
Proposal:	Tear Down/Rebuild New Workshop/Garage				
Submission Complete By:	Sep 13	Permit Issued:	Sep 13	Days:	1

Application No:	R#2018-305	Municipality:	Chatham-Kent		
Subject Property:	300 Margaret Ave				
Proposal:	Construction of a New Single Family Dwelling & Pole Barn				
Submission Complete By:	Sep 25	Permit Issued:	Sep 27	Days:	2

Application No:	R#2018-306	Municipality:	Chatham-Kent		
Subject Property:	27032 Winterline Road				
Proposal:	Construct New Detached Accessory Structure				
Submission Complete By:	Sep 11	Permit Issued:	Sep 19	Days:	8

Application No:	R#2018-292	Municipality:	Chatham-Kent		
Subject Property:	Baseline Road over McDonald Tap Drain				
Proposal:	Install 150mm diameter HDPE Watermain Via HDD				
Submission Complete By:	Sep 11	Permit Issued:	Sep 11	Days:	1

Application No:	R#2018-291	Municipality:	Chatham-Kent		
Subject Property:	Snye Road over Card Drain				
Proposal:	Install 100mm diameter HDPE Watermain Via HDD				
Submission Complete By:	Sep 11	Permit Issued:	Sep 11	Days:	1

Application No:	R#2018-285	Municipality:	Enniskillen		
Subject Property:	Oil Heritage Road				
Proposal:	Integrity Dig				
Submission Complete By:	Sep 04	Permit Issued:	Sep 05	Days:	1

Application No:	R#2018-239	Municipality:	Plympton-Wyoming		
Subject Property:	4270 Bluepoint Drive, Lot 4, Plan 448				
Proposal:	Construction of a New Single Family Dwelling				
Submission Complete By:	Sep 06	Permit Issued:	Sep 07	Days:	1

Application No:	R#2018-178	Municipality:	Plympton-Wyoming		
Subject Property:	6908 Maple Street				
Proposal:	Construct a New Single Family Dwelling				
Submission Complete By:	Sep 12	Permit Issued:	Sep 12	Days:	1

Application No:	R#2018-300	Municipality:	Sarnia		
Subject Property:	Fronting 2229 Lakeshore Road				
Proposal:	Emergency Repair/Stabilization				
Submission Complete By:	Sep 19	Permit Issued:	Sep 19	Days:	1

Application No:	R#2018-302	Municipality:	Sarnia		
Subject Property:	Parcel north of 2691 Old Lakeshore Road				
Proposal:	Shoreline Repairs/Maintenace				
Submission Complete By:	Sep 20	Permit Issued:	Sep 25	Days:	5

Application No:	R#2018-318	Municipality:	Sarnia		
Subject Property:	Christina Street Road Allowance (North End)				
Proposal:	Emergency Stabilization Works				
Submission Complete By:	Sep 27	Permit Issued:	Sep 27	Days:	1

Application No:	R#2018-315	Municipality:	Sarnia		
Subject Property:	Indian Road South				
Proposal:	Integrity Dig				
Submission Complete By:	Sep 18	Permit Issued:	Sep 24	Days:	6

Application No:	R#2018-314	Municipality:	Sarnia		
Subject Property:	Indian Road South				
Proposal:	Integrity Dig				
Submission Complete By:	Sep 18	Permit Issued:	Sep 24	Days:	6

Application No:	R#2018-249	Municipality:	Sarnia		
Subject Property:	1866 Lakeshore Road				
Proposal:	55 feet of existing groyne repair				
Submission Complete By:	Sep 18	Permit Issued:	Sep 19	Days:	1

Application No:	R#2018-289	Municipality:	Sarnia		
Subject Property:	2681 Old Lakeshore Road				
Proposal:	Construction of a New Attached Garage				
Submission Complete By:	Aug 27	Permit Issued:	Sep 10	Days:	14

Application No:	R#2018-127	Municipality:	Sarnia		
Subject Property:	1988 Lakeshore Road				
Proposal:	50 feet of existing groyne repair				
Submission Complete By:	Aug 29	Permit Issued:	Sep 05	Days:	7

Application No:	R#2018-284	Municipality:	St. Clair		
Subject Property:	4110 St. Clair Parkway				
Proposal:	Construction of an Attached Garage and Living Space Addition				
Submission Complete By:	Aug 24	Permit Issued:	Sep 04	Days:	11

Application No:	R#2018-317	Municipality:	Strathroy-Caradoc		
Subject Property:	8666 Century Drive				
Proposal:	Construct New Non-Habitable Accessory Structure				
Submission Complete By:	Sep 27	Permit Issued:	Sep 27	Days:	1

Total No. of Applications: 18 Average No. of Days to Issue Permit: 4

Permit Review Timelines are outlined in the document “*Policies and Procedures for Conservation Authority Plan Review and Permitting Activities*” Final Version May 2010, completed by the Conservation Authority Liaison Committee (CALC). In the document it states;

- CAs are to make a decision (i.e. recommendation to approve or referred to a Hearing) with respect to a permission (permit) application and pursuant to the CA Act within 30 days for a minor application and 90 days for a major application.

Regulations Inquiries:

File Reference	Municipality	Location
R#2018-299	Chatham-Kent	575 Wallace Street
R#2018-297	Chatham-Kent	7252 Otter Line
R#2018-307	Chatham-Kent	11773 Wabash Line
R#2018-287	Chatham-Kent	12164 Cider Mill Line
R#2018-304	Dawn-Euphemia	1540 Cuthbert Road
R#2018-320	Dawn-Euphemia	1212 Mawlam Road
R#2018-294	Dawn-Euphemia	1527 Pantry School Road
R#2018-311	Enniskillen	5867 LaSalle Line
R#2018-296	Petrolia	4044 Englehart Drive
R#2018-312	Petrolia	4074 Pine Crescent
R#2018-319	Plympton-Wyoming	7355 Blue Point Bay Path
R#2018-290	Sarnia	1929 Franklin Avenue
R#2018-310	Sarnia	1930 1/2 Franklin Avenue
R#2018-301	Southwest Middlesex	Lot 6, Concession 3
R#2018-303	Southwest Middlesex	6462 Falconbridge Drive

R#2018-293	St. Clair	2253 Stanley Line
R#2018-313	St. Clair	3079 Brigden Road
R#2018-298	Strathroy-Caradoc	402 Victoria St,
R#2018-288	Strathroy-Caradoc	9433 Avro Drive
R#2018-286	Strathroy-Caradoc	446 Metcalfe Street E

Total Regulations Inquiries: 20

Meeting Date: November 8, 2018 **Item 12.4**
Report Date: October 25, 2018
Submitted by: Dallas Cundick, Erica Ogden, and Sarah Hodgkiss

Subject: Planning Activity Summary – September, 2018

A summary of staff activity related to Municipal Plan Input and Review is presented below. This report covers the period from September 1, 2018 to September 30, 2018

Municipal Plan Input and Review

File Reference: PL#2018-082

Municipality:	Brooke-Alvinston	Municipal Reference:	A-002/18
Property Location:	8295 Shiioh Line		

File Reference: PL#2018-086

Municipality:	Chatham-Kent	Municipal Reference:	
Property Location:	325 Margaret Avenue		

File Reference: PL#2018-078

Municipality:	Enniskillen	Municipal Reference:	
Property Location:	4376 LaSalle Line		

File Reference: PL#2018-023

Municipality:	Middlesex Centre	Municipal Reference:	39T-MC1701
Property Location:	Ilderton Road		

File Reference: PL#2018-075

Municipality:	Plympton-Wyoming	Municipal Reference:	A-17/18
Property Location:	5553 Confederation Line		

File Reference: PL#2018-076

Municipality:	Plympton-Wyoming	Municipal Reference:	A-18/18
Property Location:	4895 Lakeshore Road A24P		

File Reference: PL#2018-077

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	4860 Forsyth Trail		

File Reference: PL#2018-055

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	3424 Egremont Drive		

File Reference: PL#2018-080

Municipality:	Point Edward	Municipal Reference:	B01-2018
Property Location:	1540 Venetian Bouievard		

File Reference: PL#2018-025

Municipality:	Point Edward	Municipal Reference:	
Property Location:	1460 Venetian Boulevard		

File Reference: PL#2018-081

Municipality:	Sarnia	Municipal Reference:	
Property Location:	544 Lakeshore Rd		

File Reference: PL#2018-084

Municipality:	Sarnia	Municipal Reference:	
Property Location:	2024 London Line		

File Reference: PL#2018-014

Municipality:	Sarnia	Municipal Reference:	OPA 12
Property Location:	834 Lakeshore Road		

File Reference: PL#2018-072

Municipality:	Sarnia	Municipal Reference:	
Property Location:	1873 London Line		

File Reference: PL#2018-083

Municipality:	Strathroy-Caradoc	Municipal Reference:	
Property Location:	Molnar Industrial Park		

File Reference: PL#2018-074

Municipality:	Strathroy-Caradoc	Municipal Reference:	39T-SC1801
Property Location:	Park Street		

File Reference: PL#2018-026

Municipality:	Strathroy-Caradoc	Municipal Reference:	39T-SC1303
Property Location:	Thorn Drive		

File Reference: PL#2018-085

Municipality:	Warwick	Municipal Reference:	A05/2018
Property Location:	7074 Confederation Line		

Legal Inquiry Summary

LL#2018-011	9671 Ruth Place	Lambton Shores
LL#2018-012	24478 Glen Oak Road	Strathroy-Caradoc

Meeting Summary

Sept 6 & 12 – 1273-1289 London Road, Sarnia – DC, EO
Sept 12 – Bluewater Subdivision, Plympton-Wyoming – DC, EO, SH
Sept 14 – Meeting with Lower Thames Valley Conservation – DC, EO
Sept 20 – Pre-consultation 544 Lakeshore Rd, Sarnia – EO
Sept 21 – Planning Ecology Meeting at Credit Valley Conservation - SH

Prepared By: Tracy Prince
 October 25, 2018

ST CLAIR REGION CONSERVATION AUTHORITY
Statement of Revenue and Expenditure
For the Nine Months Ended 30/9/2018

Item 13.1

	Actual To Date			Annual Budget		Variance from Budget	
	Revenue	Expenditures	Surplus (Deficit)	Revenue	Expenditures	Revenue	Expenditures
Flood Control & Erosion Control	\$1,313,114	\$1,363,299	(\$50,185)	\$1,851,200	\$1,851,200	(\$538,086)	(\$487,901)
Capital Projects/WECI	\$276,500	\$38,329	\$238,171	\$267,500	\$267,500	\$9,000	(\$229,171)
Conservation Area's Capital							
Development	\$68,500	\$50,718	\$17,782	\$68,500	\$68,500	\$0	(\$17,782)
IT Capital	\$14,508	\$19,755	(\$5,247)	\$19,200	\$19,200	(\$4,692)	\$555
Equipment	\$53,100	\$40,769	\$12,331	\$72,000	\$72,000	(\$18,900)	(\$31,231)
Planning & Regulations	\$338,820	\$376,751	(\$37,931)	\$558,155	\$558,155	(\$219,335)	(\$181,404)
Technical Studies	\$444,183	\$174,868	\$269,314	\$316,819	\$316,819	\$127,363	(\$141,951)
Recreation	\$1,336,286	\$910,683	\$425,603	\$1,305,160	\$1,305,160	\$31,126	(\$394,477)
Property Management	\$156,758	\$156,452	\$306	\$243,096	\$243,096	(\$86,338)	(\$86,644)
Education and Communication	\$129,749	\$170,226	(\$40,478)	\$232,110	\$232,110	(\$102,361)	(\$61,884)
Source Water Protection	\$160,408	\$97,867	\$62,541	\$160,400	\$160,400	\$8	(\$62,533)
Conservation Services/Healthy							
Watersheds	\$1,153,865	\$645,900	\$507,965	\$754,335	\$754,335	\$399,530	(\$108,435)
Administration/AOC Management	\$749,764	\$618,556	\$131,208	\$1,167,112	\$1,167,112	(\$417,348)	(\$548,556)
	\$6,195,555	\$4,664,173	\$1,531,382	\$7,015,587	\$7,015,587	(\$820,032)	(\$2,351,414)

Notes:

1. The 2014 MNR Operating grant of 310,000 is recorded in the actual revenue reported above.
2. The significant variances from budget to actual is reflective of the nature/timing and uniqueness of the particular projects.
 The variances will reduce and disappear as the year progresses.

**ST. CLAIR REGION CONSERVATION AUTHORITY
DISBURSEMENTS FROM September 1 to Oct 31 2018**

**Item 13.2
Sarah Kellestine**

CHQ. #	DATE	VENDOR	DESCRIPTION	AMOUNT
20016	9/6/2018	BF ENVIRONMENTAL CONSULTANTS	Drainage and Erosion Work, Wetland Creation	\$ 52,812.32
20046	9/21/2018	BF ENVIRONMENTAL CONSULTANTS	Erosion Control	\$ 7,397.90
20052	9/21/2018	CORPORATION OF THE TOWNSHIP OF ST. CLAIR	Project Monitoring	\$ 10,000.00
20083	10/3/2018	Atlantis Marine Construction Canada Inc	Bright's Grove	\$ 66,885.44
20113	10/18/2018	A. L. Lester Limited	Dust Control	\$ 8,695.35
TOTAL CHEQUE DISBURSEMENTS - BANK #1 -				\$ 145,791.01

INTERNET BANKING September to October 2018

TRANS #	DATE	VENDOR	DESCRIPTION	AMOUNT
9056	9/30/2018	HYDRO ONE Networks Inc.	Hydro	27,063.30
9057	9/30/2018	MASTERCARD	Misc. Expenses	6,334.30
9058	9/30/2018	OMERS	Pension	38,350.56
9061	9/30/2018	RECEIVER GENERAL	Source Deductions	59,613.64
9063	9/30/2018	RWAM Insurance Administrators Inc	Group Benefits	12,289.87
9069	9/30/2018	WORKPLACE SAFETY & INS. BOARD	WSIB	7,231.37
TOTAL INTERNET DISBURSEMENTS - BANK NO. 1 -				\$ 150,883.04

PAYROLL RUNS

PAYROLL NO. 18	\$	85,890.08
PAYROLL NO. 19	\$	76,675.09
PAYROLL NO. 20	\$	76,973.81
PAYROLL NO. 21	\$	73,987.85
PAYROLL NO.		
PAYROLL NO.		
PAYROLL NO.		
PAYROLL NO.		

TOTAL PAYROLL RUNS -

\$ 313,526.83

TOTAL DISBURSEMENTS -

\$ 610,200.88

2018 GENERAL LEVY SUMMARY

GLYSUM2018
Sarah Kellestine
25-Oct-18

MUNICIPALITY	GROSS LEVY	PAID TO DATE	OUTSTANDING
Sarnia	\$ 338,134.00	\$ 338,134.00	\$ 0.00
Chatham-Kent	112,683.00	112,683.00	0.00
Brooke-Alvinston Twp.	14,218.00	14,218.00	0.00
Dawn Euphemia Twp.	21,506.00	16,129.50	5,376.50
Enniskillen Twp.	15,762.00	15,762.00	0.00
Lambton Shores M.	42,668.00	42,668.00	0.00
Oil Springs V	1,710.00	1,710.00	0.00
Petrolia T	21,898.00	21,898.00	0.00
Plympton-Wyoming T	45,371.00		45,371.00
Point Edward V	20,209.00	20,209.00	0.00
St. Clair Twp.	95,034.00	95,034.00	0.00
Warwick Twp.	17,812.00	17,812.00	0.00
Adelaide Metcalfe Twp.	15,479.00	15,479.00	0.00
Middlesex Centre Twp.	18,349.00	18,349.00	0.00
Newbury V	1,257.00	1,257.00	0.00
Southwest Middlesex M.	9,852.00	9,852.00	0.00
Strathroy-Caradoc M.	71,914.00	71,914.00	0.00
TOTAL	\$ 863,856.00	\$ 813,108.50	\$ 50,747.50

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ST. CLAIR REGION CONSERVATION
 AUTHORITY
 205 MILL POND CRES
 STRATHROY ON N7G 3P9

Account Number: **460-16010**
 Account Type: Regular Account
 For the Period: **September 1 to 28, 2018**
 Last Statement: August 31, 2018

Address Information

255 Queens Avenue
 Suite 900
 London ON
 N6A 5R8



Phone: (519) 679-9490
 Website: www.scotiawealthmanagement.com
 Branch Manager: Deborah Vafaei



Your Wealth Advisor



Craig Emptage (519) 660-3259
 craig.emptage@scotiawealth.com

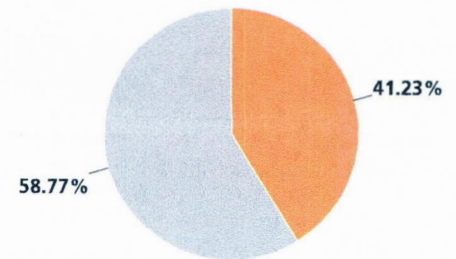
Your Investment Team

Michael Willemse (519) 660-3268
 Tammy Jackson (519) 660-3215

CANADIAN Account Overview

Currency: Canadian Dollar

Asset Class Summary	Sep. 28, 2018 Market Value	% of Total Assets
 Fixed Income	301,940	41.23
 Other	430,299	58.77
Total Value of Account	\$732,239	100.00
Total Value on Last Statement, August 31, 2018	\$734,626	



JTA3225325-0016077-02822-0003-0001-00-



Details of Your Account Holdings

Type	Security Description	Quantity	Average Cost	Adjusted Book Value	Market Price	Market Value
Fixed Income						
CASH	MANULIFE STRATEGIC INCOME FUND CL F NL (659)	6,434.8	12.715	81,819	11.717	75,397
CASH	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505)	16,300.367	14.475	235,959	13.898	226,543
Total Fixed Income						\$301,940
Other						
CASH	MACKENZIE GLOBAL TACTICAL INVESTMENT GRADE BD FD SERIES F (4807)	22,701.732	10.003	227,095	9.572	217,301
CASH	SIGNATURE CANADIAN BOND CORP CLASS EF NL (15137)	21,707.863	10.282	223,202	9.812	212,998
Total Other						\$430,299
Total Account Holdings				\$768,075	\$732,239	

The average cost and adjusted book value displayed on this statement incorporates re-invested dividends and/or mutual fund distributions and does not necessarily reflect your original purchase price. Please see Average Cost & Adjusted Book Value in the Statement Notes for more information.

Monthly Activity

Date	Type	Activity	Description	Quantity	Price	Credit/Debit(-)
Opening Cash Balance						
\$0.00						
Sep. 04, 2018	CASH	DIVIDEND	MANULIFE STRATEGIC INCOME FUND CL F NL (659) REINVEST 08/31/18 @ \$11.7340 PLUS FRACTIONS OF 0.294 BOOK VALUE \$238.13	20		
Sep. 04, 2018	CASH	DIVIDEND	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505) REINVEST 08/31/18 @ \$13.9140 PLUS FRACTIONS OF 0.913 BOOK VALUE \$889.28	63		
Sep. 24, 2018	CASH	DIVIDEND	MACKENZIE GLOBAL TACTICAL	48		

JTA3225325-0016078-02822

Monthly Activity - continued

Date	Type	Activity	Description	Quantity	Price	Credit/Debit(-)
			INVESTMENT GRADE BD FD SERIES F (4807) REINVEST 09/21/18 @ \$9.5549 PLUS FRACTIONS OF 0.839 BOOK VALUE \$466.65			

Closing Cash Balance

\$0.00



Summary

Income Summary

	This Period	Year-to-Date
Total Income	\$0	\$0

A Note From ScotiaMcLeod

Auditor's Message

Our auditors, KPMG LLP, are presently engaged in the examination of our year-end financial statements. Please compare this statement against your records and advise our auditors of any discrepancies: Shareholders' Auditors, Attention: Olivia Giomarioli, SCI Audit Team, Bay Adelaide Centre, 333 Bay Street - Suite 4600, Toronto, ON, M5H 2S5, Canada, fax at (416) 777-8818 or email: scotiacapitalconfirm@kpmg.ca

Your Personal Investment Profile

The following information reflects your stated investment objectives and risk tolerance for this account, as well as your overall investment knowledge. If you would like to make any changes, have questions about whether or not this is appropriate for you or would like to discuss how your current investments correspond to this profile, please contact your Wealth Advisor.

For more information, please review Guidelines for Investment Objectives and Related Account Risk Factors in the ScotiaMcLeod Relationship Disclosure Document and Terms and Conditions brochure.

Alternatively, please visit <http://www.scotiabank.com/ca/common/pdf/scotiamcleod/TandC.pdf>.

Investment Objectives

Income: _____ 100%

Growth: _____

Your Personal Investment Profile - continued

Speculative Trading:

Risk Tolerance

Low: 85%

Medium: 15%

High:

Overall Investment Knowledge

Investment Knowledge: Medium

Time Horizon

Long Term: 7+ Years

Non-registered account #440-17189-13

September 30, 2018

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ST. CLAIR REGION
CONSERVATION AUTHORITY
205 MILL POND CRESCENT
STRATHROY ON N7G 3P9



Your Investment Report



▶ Account Summary

This table provides an overview of your account; including the opening and closing balance for the reporting period.

Your Investments	Opening Value Sep 1, 2018	Closing Value Sep 30, 2018	Balance on Sep 30, 2018 (CAD\$)
Canadian Dollar Investments			
Cash Account	1,434,690.61	1,434,690.61	1,434,690.61
	1,434,690.61	1,434,690.61	1,434,690.61
Grand Total (CAD\$)			1,434,690.61
		Last Statement Aug 31, 2018	1,434,690.61

You can access your up-to-date account information online through BMO Nesbitt Burns Gateway at:
<https://gateway.bmonesbittburns.com>.
If you have not yet registered for Gateway access, please contact your Investment Advisor.

▶ We're here to help

Our team is dedicated to helping you succeed in meeting all of your wealth management goals. Please call any member of the team referenced below if you have questions about Your Investment Report. Visit bmo.com/nesbittburns for the latest information on investing and wealth planning.

JONATHAN BATCH
Investment Advisor
519-646-3044

Batch Investment Group
www.batchinvestmentgroup.com
Assistant: Sharon Tingley
sharon.tingley@nbpcd.com

DAVID HAAK
Branch Manager
(519) 672-8560

Suite 1900
One London Place
255 Queens Avenue
London, ON N6A 5R8

Non-registered account #440-17189-13

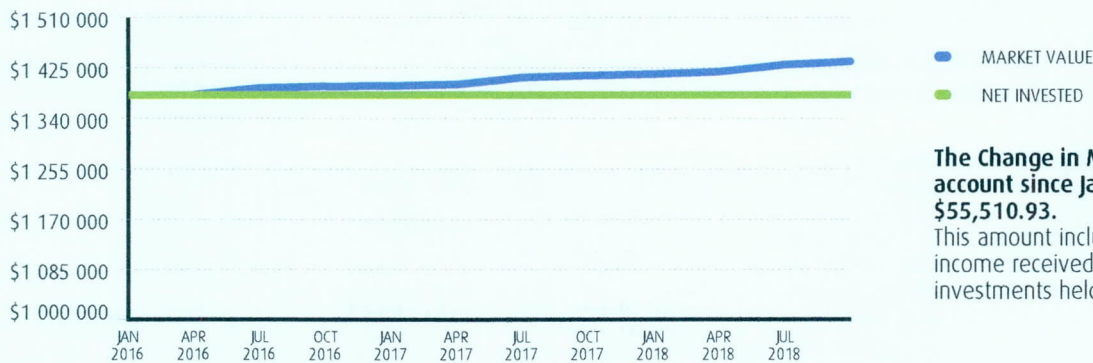
September 30, 2018

► Changes to your account

This table provides a summary of the change in value of your account, including all deposits, withdrawals and the change in market value of your investments, for both the current year and as of the start of reporting. Where applicable, balances have been converted to Canadian dollars, see page 1 for exchange rates.

Net Invested is the value of total deposits less the value of total withdrawals.

	This Year (2018)	Since January 1, 2016
Opening Value	1,413,457.76	1,379,179.68
Deposited	+ 0.00	+ 0.00
Withdrawn	- 0.00	- 0.00
Net Invested	= 0.00	= 0.00
Change In Market Value	+ 21,232.85	+ 55,510.93
Closing Value on Sep 30, 2018	1,434,690.61	1,434,690.61



The Change in Market Value of your account since January 1, 2016 is \$55,510.93.

This amount includes gains, losses and income received with respect to the investments held in your account.

Non-registered account #440-17189-13




September 30, 2018

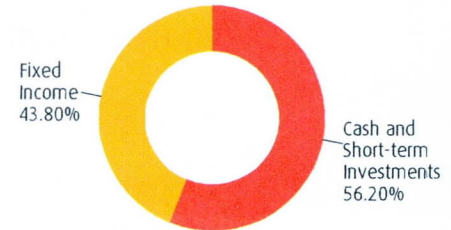
▶ Summary of your investments in Canadian dollars

Your Investor Profile

Investment Objective Income

Time Horizon 10 yrs and more

Investment Category	Amount	Target %	Holdings %
 Cash and Short-term Investments	805,690.61	10.00	56.20
 Fixed Income	629,000.00	90.00	43.80
 Equities	0.00	0.00	0.00
Total	1,434,690.61		100.00



The investments in your account have been chosen based on the investment objectives you selected on the Client Account Agreement. As your life circumstances change, it is important to talk to your Investment Advisor about updating these objectives as may be applicable.

Your Canadian Dollar Investments

All amounts are reported in Canadian Dollars.

▶ Income you received

Type of Income	Current Month	Year to Date
Interest	0.00	21,232.85
Total	0.00	21,232.85

▶ Your investment details

	Quantity	Cost		Market Value on September 30, 2018	
		Per Unit	Total	Per Unit	Total
Cash Account					
• Cash and Short-term Investments					
CASH			5,690.61		5,690.61
CANADIAN WESTERN BANK GIC ANNUAL DUE 05/13/2019 2.200%	100,000	100.000	100,000.00	100.000	100,000.00
EQUITABLE BANK GIC ANNUAL DUE 05/13/2019 2.200%	100,000	100.000	100,000.00	100.000	100,000.00

Non-registered account #440-17189-13

September 30, 2018

Your Canadian Dollar Investments (continued)

All amounts are reported in Canadian Dollars.

▶ Your investment details (continued)

	Quantity	Per Unit	Cost		Market Value on September 30, 2018	
				Total	Per Unit	Total
PEOPLES TRUST GIC ANNUAL DUE 06/14/2019 2.200%	100,000	100.000		100,000.00	100.000	100,000.00
BANK OF MONTREAL MORTGAGE CORP GIC ANNUAL DUE 08/22/2019 2.360%	100,000	100.000		100,000.00	100.000	100,000.00
BMO TRUST COMPANY GIC ANNUAL DUE 08/22/2019 2.360%	100,000	100.000		100,000.00	100.000	100,000.00
BANK OF MONTREAL GIC 30 DAY CASHABLE ANNUAL DUE 08/27/2019 1.350%	300,000	100.000		300,000.00	100.000	300,000.00
Subtotal				805,690.61		805,690.61
Fixed Income						
Fixed Income						
CONCENTRA BANK GIC ANNUAL DUE 06/15/2020 2.750%	100,000	100.000		100,000.00	100.000	100,000.00
LBC TRUST GIC ANNUAL DUE 06/15/2020 2.600%	100,000	100.000		100,000.00	100.000	100,000.00
VANCITY GIC ANNUAL DUE 06/15/2020 2.350%	279,000	100.000		279,000.00	100.000	279,000.00
HOMEQUITY BANK GIC ANNUAL DUE 05/13/2021 2.220%	50,000	100.000		50,000.00	100.000	50,000.00
PRESIDENT'S CHOICE BANK GIC ANNUAL DUE 05/13/2021 2.360%	100,000	100.000		100,000.00	100.000	100,000.00
Fixed Income Subtotal				629,000.00		629,000.00
Subtotal				629,000.00		629,000.00
Total for Cash Account				1,434,690.61		1,434,690.61
Total Canadian Dollar Investments				1,434,690.61		1,434,690.61

Average cost and market price indicator descriptions can be found in Important information about your account at the end of this statement.

Non-registered account #440-17189-13

September 30, 2018

▶ Account activity for this month

Date	Activity	Description	Quantity	Unit Price	Commission	Amount
Cash Account						
Sep 1, 2018		Opening Cash Balance				5,690.61
		<i>No Account Activity</i>				
.....						
Sep 30, 2018		Closing Cash Balance				5,690.61

This report includes only activity recorded in your account since your last report. For a more comprehensive listing of your account activity, sign into your BMO Nesbitt Burns Gateway at: <https://gateway.bmonesbittburns.com>.



Non-registered account #440-17189-13

September 30, 2018

Your Year-to-Date Fees Summary

▶ Fees you paid

This section summarizes all compensation received by BMO Nesbitt Burns with respect to your account. Our compensation comes from two sources: what we charge you directly (Operating and Transaction Charges), and what we receive through any third parties.

	CAD (\$)
Operating charges	
Total operating charges	0.00
Transaction charges	
Total transaction charges	0.00
Total fees you paid in 2018	0.00

Please see examples of standard operating charges in the Important Information about your Account section. Some fees and charges may be reported as before-tax amounts and applicable tax is being reported separately within the 'Sales Tax' line item. Where this is not possible the sales tax is included within the line item. Please contact your Investment Advisor if you have any questions about your 'Year-to-Date Fees Summary'.

▶ Payments BMO received from third parties

	CAD (\$)
GIC Commission	3,946.37
Total payments BMO Nesbitt Burns received from third parties in 2018	3,946.37

▶ Bulletin board

For foreign exchange rates, please refer to the Account Summary section on page one of your statement.

Non-registered account #440-17189-13

September 30, 2018

► Important information about your account

About this statement

BMO Nesbitt Burns Inc. shall assume the contents of this statement has been acknowledged as correct, approved and consented by you unless we receive written notice to the contrary within 45 days after it is sent to you.

Please let your Investment Advisor or Branch Manager know if there are any changes in your personal or financial situation so that we can ensure you are on track to meet your investment objectives.

The Average Cost and Total Cost for long positions incorporates the book cost of your investment, comprised of, the total amount paid, transaction charges, commissions and fees, adjusted for any corporate actions, reinvested distributions and return of capital. The Average Cost and Total Cost for short positions incorporates the book cost of your investment comprised of the total amount received, net of any transaction charges, commissions and fees, adjusted for distributions (other than dividends), returns of capital and corporate actions. Book cost on transferred in securities reflects the book cost provided by the transferring institution, or if not provided, the market value on the date of the transfer.

Client cash balances in non-registered accounts are held by BMO Bank of Montreal, and client cash balances in registered accounts are held by BMO Trust Company.

Legend of Average Cost indicators

M - Market Value information was used to estimate part or all of the Average Cost for this security position.

N/D - Average cost for this security holding cannot be determined.

O - Market Value information as of October 2, 2015 was used to estimate part or all of the Average Cost for this security position.

Valuations of the securities positions shown in this statement are provided by BMO Nesbitt Burns and are based on information and sources BMO Nesbitt Burns believes to be reliable. However, the market value cited may be subject to change and we cannot be held responsible if the actual market price differs from the said market price.

BMO Nesbitt Burns Inc. acted as principal in all transactions shown in this statement with the symbol "‡" in the "Description" column. In all other transactions, BMO Nesbitt Burns acted as agent.

A free credit balance represent funds payable on demand which, although properly recorded in our books, are not segregated and may be used in the conduct of our business. All security positions displayed are segregated unless otherwise indicated. Should there be a security in which the account holds a portion of the quantity segregated and a portion registered in your name, this will be indicated under the security description column.

A copy of our most recent statement of our financial condition and a list of directors and senior officers are available on request. Clients in British Columbia are entitled to certain information about BMO Nesbitt Burns, including information about commission and fees, and any administrative proceedings that may relate to the firm and its staff. For Related and Connected Issuer and Conflicts of Interest Statement, please visit our website: http://www.bmo.com/nesbittburns/about/nb/bmonb/regulatory_documents/conflict_s_of_interest.

Price of the securities in your accounts

We strive to provide accurate and current prices for securities. However, because we use numerous information sources for pricing, we cannot guarantee pricing accuracy for securities. Please call your Investment Advisor for the most current prices.

Legend of Market Price Indicators

E - There is no active market for this security so we have estimated its market value.

N - We are unable to obtain a reliable market value for the security. Therefore, in accordance with our standard practice, the market value of the security is not determinable and has been set to zero. This does not mean that the security does not have a value but only that a value cannot be assigned at this time.

Deferred Sales Charge (DSC)

Securities with "Deferred Sales Charge" in the security description may be subject to deferred sales charges when sold.

Investor protection

Customers' accounts are protected by the Canadian Investor Protection Fund within specified limits. A brochure describing the nature and limits of coverage is available upon request.

For Preferred or Preferred Plus accounts, deposits in your Canadian dollar bank account with Bank of Montreal are insurable under the Canada Deposit Insurance Corporation Act.

Deposits in your US Dollar bank account with Bank of Montreal are not insurable under the Act and are not insured by the Canadian Investor Protection Fund.

Securities held by BMO Nesbitt Burns Inc. in your Account as well as any cash held temporarily by BMO Nesbitt Burns Inc. for subsequent credit to the chequing/savings component of your Account are not deposits which are insured under the Canada Deposit Insurance Corporation Act.

Insurance products

All insurance products, including segregated funds, are offered through BMO Nesbitt Burns Financial Services Inc. by licensed life insurance agents, and, in Quebec, by financial security advisors.

You can always reach us.

If you are unable to reach your BMO Nesbitt Burns Investment Advisor, the telephone number indicated on the front page of this statement will connect you with your BMO Nesbitt Burns Branch.

Please record your BMO Nesbitt Burns Branch telephone number for future reference.

A complete list of branches and contact information is available under "Contact Us" at www.bmonb.com.

Due to space limitations on the page, we may have used some abbreviations on your statement. These abbreviations stand for the following: NCI: Non-Certificate Issue (GIC/Mutual Funds); NVS: Non-Voting Shares; RS: Restricted Shares; RVS: Restricted Voting Shares; SUB: Subscription; SVS: Subordinate Voting Shares; WTS: Warrants; RTS: Rights; DSC: Deferred Sales Charge.

Operating Charges

Client households minimum annual fee = \$500; Administration of RRSP/RRIF Fee: \$125 per year; Administration of RESP/TFSA: \$50 per year; Administration of Locked-In RRSP, LIRA, LIF, LRIF Fee: \$62.50 per year; Transfer-out of Non-Registered or Registered Account: Fully and partial: \$135 per account; Partial withdrawal of a Registered Account (excluding TFSA, LIF, LRIF and RRIF): \$25 per request; Full Deregistration of a Registered Account (excluding TFSA): \$100 per account. GST / PST / HST where applicable will be added to these fees.

The GST/HST registration number for BMO Nesbitt Burns Inc. is 103854261RT

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BMO Nesbitt Burns refers to BMO Nesbitt Burns Inc. and your account at BMO Nesbitt Burns Inc.



From: [Tracy Prince](#)
To: [Ashley Fletcher](#)
Subject: FW: Secure investment options for your business: GICs, term deposits and high-interest savings accounts
Date: Thursday, October 4, 2018 1:03:10 PM

Tracy Prince, CPA, CGA, MBA
 Director of Finance
 St. Clair Region Conservation Authority
 205 Mill Pond Cr.,
 Strathroy ON N7G 3P9
 Phone: 519-245-3710 ext. 239
 Fax: 519-245-3348

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From: Libro Credit Union <service@libro.ca>
Sent: Thursday, October 04, 2018 7:31 AM
To: Tracy Prince <tprince@scrca.on.ca>
Subject: Secure investment options for your business: GICs, term deposits and high-interest savings accounts

Many businesses invest their excess cash in GICs

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Today's Term Deposit Rates*

(Minimum investment \$3,000)

30-59 Days	1.25%
60-89 Days	1.25%
90-179 Days	1.25%
180-269 Days	1.35%
270-364 Days	1.35%

Many businesses invest their excess cash in Guaranteed Investment Certificates (GICs), term deposits, or high-interest savings accounts. These investment options are guaranteed and pay a fixed rate of interest for a specified term between one and five years (GICs) and between 30 and 365 days (term deposits).

Talk to your Libro Coach about these and other investment options for your business. Of course we're also happy to hear from you about any other financial topic too – call or email anytime!

Karey Adams

Karey.Adams@libro.ca

(519) 245-1261

Today's GIC Rates*

(Minimum investment \$1,000)

1 Year	1.90%
2 Year	2.20%

3 Year	2.30%
4 Year	2.50%
5 Year	2.75%

Today's Libro High Investment Savings Account Rate (minimum \$1,000): **1.25%**

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St. Clair Region Conservation Authority

2019 Draft Fees

Note: All fees include applicable taxes and may be changed by resolution of the Board of Directors

CAMPING FEES	2018	2019
Reservation Fee	\$ 8.00	\$ 8.00
Cancellation Fee	\$ 20.00	\$ 20.00
Daily, Unserviced	\$ 37.00	\$ 39.00
Daily, Serviced (hydro & water)	\$ 44.00	\$ 46.00
Daily, Serviced (hydro only)	\$ 41.00	\$ 42.00
60 buck weekend (designated weekends)	\$ 60.00	\$ 60.00
Weekly, Unserviced	\$ 222.00	\$ 234.00
Weekly, Serviced	\$ 264.00	\$ 276.00
Monthly, Unserviced	\$ 666.00	\$ 702.00
Monthly, Serviced	\$ 792.00	\$ 828.00
Seasonal Camping Fees – April 15, 2018 - April 15, 2019	2018	2019
Full Payment made on or before April 15, 2018	\$ 2,200.00	\$ 2,250.00
First instalment payment on or before April 15, 2018	\$ 1,500.00	\$ 1,500.00
Second instalment payment on or before June 1, 2018	\$ 735.00	\$ 785.00
Half Season, (after August 1)	\$ 1,100.00	\$ 1,125.00
Quarter Season, (after Sept 1)	\$ 550.00	\$ 562.50
Seasonal late payment fee	\$ 35.00	\$ 35.00
Seasonal Campsite deposit (new seasonal camper wanting to reserve site for following season)	\$ 200.00	\$ 200.00
Miscellaneous Fees	2018	2019
Overnight Visitors (per person)	\$ 5.00	\$ 10.00
Sewage Pump Out per service fee	\$ 30.00	\$ 30.00
Sewage Pump Out seasonal fee	\$ 200.00	\$ 200.00
Winter Storage for Trailers arriving after Thanksgiving	\$ 200.00	\$ 200.00
Exterior fridge/freezer charge	\$ 160.00	\$ 160.00
Extra hydro fee for electric golf cart	\$ 160.00	\$ 160.00
Golf Cart (day/month)	\$5.00/\$30.00	\$5.00/\$30.00
Extra hydro/Exterior fridge/freezer if found during inspection by staff	\$ 200.00	\$ 200.00
Ice	\$ 3.00	\$ 3.00
Firewood (bundle)	\$ 7.00	\$ 7.00
Firewood (1/2 cord)	\$ 35.00	\$ 35.00
Firewood (cord)	\$ 70.00	\$ 70.00
DAY USE FEES	2018	2019
Vehicle	\$ 8.00	\$ 8.00
Pedestrians/Cyclists (16 & over)	\$ 2.00	\$ 2.00
Seasonal Day Pass	\$ 60.00	\$ 60.00
Buses	\$ 15.00	\$ 15.00
Open Pavilion reservation	\$ 60.00	\$ 60.00
Closed in Pavilion reservation (Warwick/LC Henderson)	\$ 100.00	\$ 100.00
Swimming Daily Fee	\$ 2.00	\$ 2.00
Seasonal Swimming Pass - Individual	\$ 35.00	\$ 35.00
Seasonal Swimming Pass - Family	\$ 90.00	\$ 90.00
Maple Syrup Festival - Vehicle Entry	\$ 5.00	\$ 5.00
Rental of Grounds for X-Country Meets/Education Days	\$ 160.00	\$ 160.00
Rental of Portable Washrooms (On site Only)	\$ 30.00	\$ 30.00
Highland Glen Conservation Area	2018	2019
Vehicle	\$ 5.00	\$ 5.00
Seasonal Day Pass	\$ 60.00	\$ 60.00
Daily boat ramp fee	\$ 10.00	\$ 10.00
Seasonal boat ramp fee	\$ 120.00	\$ 120.00

CONSERVATION SERVICES FEES		2018	2019
Managed Forest Tax Incentive Program Plan Approvals			
Field Work / Forest Inventory		\$75.00/hr/person	\$75.00/hr/person
Plan Review & Approval Process (including site visit)		\$350.00/plan	\$350.00/plan
Plan Creation & Plan Approval			
	10 to 20 acres	\$550.00/plan	\$550.00/plan
	20 to 40 acres	\$700.00/plan	\$700.00/plan
	Greater than 40ac	\$850.00/plan	\$850.00/plan
Timber Management			
Field Work / Site Visit		\$75.00/hr/person	\$75.00/hr/person
Timber Report Creation		\$150.00/person/field day	\$150.00/person/field day
Drain Maintenance Program			
Spot spray application for vegetation control in drains		\$110.00/hr + chemical	\$110.00/hr + chemical
Tree Planting (Private Lands) These are guidelines, pricing is dependant on size and location			
Large Stock Program		Cost vary according to size and species	Cost vary according to size and species
Tree Seedlings		Cost vary according to size and species	Cost vary according to size and species
Seedling Tree Planting Services Machine planting:			
	500 - 999 trees	\$1,250.00/site	\$1,250.00/site
	1000 – 1999 trees	\$1.25/seedling	\$1.25/seedling
	2000 plus trees	\$1.20/seedling	\$1.20/seedling
	Larger sites requiring more than 5000 trees	Quotation provided	Quotation provided
	Coniferous plantations	10% reduction (>1000)	10% reduction (>1000)
	Includes tree planting and initial herbicide application - HST will be added		
Seedling Tree Planting Services Hand planting:			
	Refill planting up to 500 trees	\$1250.00/site	\$1250.00/site
	500+ trees	\$2.25/tree	\$2.25/tree
	Includes tree planting and initial herbicide application - HST will be added		
Herbicide Tending			
	0 -1000 trees		
	1000+ trees -machine sprayer single herbicide		
	1000+ trees -back pack single herbicide		
	Tank Mixes multiple herbicides		
	up to 750 seedlings	\$300.00 / min charge	\$300.00 / min charge
		\$0.40/seedling/max charge	\$0.40/seedling/max charge
	750 to 3500 trees	\$1225.00	\$1225.00
	more than 3500 trees	\$0.35/seedling	\$0.35/seedling
	up to 1000 trees requiring backpack sprayer	\$500.00/site	\$500.00/site
	>1000+ trees requiring backpack sprayer	\$0.50/seedling	\$0.50/seedling
Tree Species (Subject to Availability)			
Coniferous Trees	Native & Traditional Species - bareroot transplant seedlings 20-35 cm tall		
Deciduous Trees & Shrubs	Native & Traditional Species - bareroot seedlings are 25-60 cm tall		
<i>All seedlings will be grown from seeds collected in seed zones suitable to St. Clair Region</i>			

Planning and Regulation Fees

The fee schedule is revised annually by the Authority's Board of Directors. If an applicant has concerns with a fee charged, they have the right to appeal to the Authority's Board of Directors after the fee has been paid. To appeal a fee which has been charged, the applicant must submit a written request to the Authority's Board of Directors via the General Manager outlining their concerns with the fee charged. Written concerns should be submitted to stclair@scrc.ca. The decision to revise the fee will be made by the Authority's Board of Directors via an impartial review by the General Manager and Director of Finance. This is in accordance with the MNR/CO Policies and Procedures for Charging of CA Fees, 1997 and the SCRCA Fee Administration Guidelines.

Administrative Fees	2018	2019
Processing Fee	\$100.00	\$100.00
Legal Inquiries	\$150.00	\$165.00
Site Inspection/Meeting Attendance	\$105.00	\$150.00
Technical Report Review	2018	2019
Includes initial review of complete report; review of revised reports are subject to surcharge. Technical Report Review fees are in addition to application fees.		
Terms of Reference¹	\$300.00	\$300.00
Engineering Study/Technical Report (floodline, geotechnical, meander belt, slope stability, natural heritage, coastal ²)		
Standard	\$320.00	\$350.00
Major - Complex features, potential impact	\$530.00	\$585.00
Environmental Impact Study / Development Assessment Report		
Minor - limited assessment required, adjacent to feature	\$660.00	\$725.00
Standard - scoped technical assessment, adjacent or within feature	\$1,250.00	\$1,375.00
Major - comprehensive technical assessment, adjacent or within feature	\$3,150.00	\$3,465.00
Mitigation / Monitoring Report	\$500.00	\$550.00
Hydrogeological Assessment	\$1,000.00	\$1,100.00
Stormwater Management Plans	\$525.00	\$580.00
Additional Review of Revised Report	25% Surcharge	25% Surcharge

¹Terms of Reference fee is reduced from the Technical Report Review fee.

²SCRCA will generally require shoreline development to be reviewed by the Conservation Authority retained coastal engineer. Costs for review are to be borne by the proponent. In this case, a Technical Report Review fee would not apply. As per Board of Directors approval November 10 2016.

Fees are per application unless otherwise noted. Applications are assessed for Natural Hazard and/or Natural Heritage features and fees will be charged accordingly.

	2018	2019
Pre-consultation/Property Inquiry ³	\$210.00	\$220.00
Natural Hazards		
Minor Variance (Waterfront ⁴ 2x)	\$150.00	\$165.00
Severance (per lot created; Waterfront ⁴ 2x)	\$210.00	\$230.00
Site Plan Approval	\$105.00	\$220.00
Major - large scale, complex features, requiring technical studies.	\$250.00	\$525.00
Zoning By Law Amendment	\$210.00	\$230.00
Major - large scale, complex features, requiring technical studies.	\$315.00	\$350.00
Official Plan Amendment	\$210.00	\$230.00
Major - large scale, complex features, requiring technical studies.	\$315.00	\$350.00
Natural Heritage	2018	2019
Minor Variance (fee based on development proximity to feature)	\$250.00	
120 metres to 51 metres		\$165.00
50 metres to 10 metres		\$220.00
< 10 metres		\$275.00
Severance (per lot created)	\$375.00	\$415.00
Site Plan Approval	\$310.00	\$340.00
Major - large scale, complex features, requiring technical studies.	\$625.00	\$690.00
Zoning By Law Amendment	\$375.00	\$415.00
Major - large scale, complex features, requiring technical studies.	\$625.00	\$690.00
Official Plan Amendment	\$375.00	\$415.00
Major - large scale, complex features, requiring technical studies.	\$625.00	\$690.00
Draft Plan of Subdivision/Condominium		
< 20 Units	\$525.00	\$1,100.00
21-50 Units	\$1,050.00	\$2,250.00
> 50 Units	\$2,625.00	\$3,000.00
Additional Natural Heritage Fee		
< 20 Units	\$100.00	\$500.00
21-50 Units	\$200.00	\$1,000.00
> 50 Units	\$300.00	\$1,500.00
Clearance of Conditions (per condition)	\$200.00	\$220.00
Redline Revision (applicant initiated)	\$200.00	25% of initial fee

³This fee will be deducted from the application fee when a formal application is submitted.

⁴Waterfront includes properties within the Shoreline Hazard along Lake Huron, St. Clair River, Chenal Ecarte and Lake St. Clair.

Ontario Regulation 171/06 Review Fees

Application fees are applied per works/project.

	2018	2019
Property Inquiry ⁵	\$210.00	\$220.00
Application Fees		
Minor Works		
Limited review, minor in nature relative to cost, location, or impact	\$105, \$160	\$175.00
Standard Works		
Small scale, and/or consistent with policy	\$315, \$420	\$350.00
Major Works		
Medium scale, primary structures, and/or consistent with policy	\$420, \$525	\$550.00
Complex Works		
Large scale, requiring technical studies, and/or inconsistent with policy	\$630, \$840	\$925.00
Drainage Act Review⁶		
DART Review		
Minor - project value under \$500.00	\$50.00	\$50.00
Standard	\$250.00	\$275.00
Major - wetland	\$630.00	\$695.00
Engineer's Report Review	\$315.00	\$350.00
Other Fees		
Aggregate Resources Act review	\$2,100.00	\$2,310.00
Environmental Assessment Act		
Standard	\$2,100.00	\$2,310.00
Major	\$5,250.00	\$5,775.00
Commercial Renewable Energy Projects	Double	Double
Golf Course Development/Realignment	\$630.00	\$695.00
Hearing Request	\$525.00	\$580.00
Application Revisions and Permit Revisions/Extensions	25% fee	\$100.00
Applications for Work Proceeded without Authorization	100% surcharge	Double

⁵This fee will be reduced from the application fee provided no change has occurred in the proposal and the application moves forward within a 2 year limit.

⁶If an Ontario Regulation 171/06 application is required additional fees will be charged. Section 76 reports are exempt.

ADMINISTRATION FEES	2018	2019
Administrative Fees negotiated by contract		
NSF Cheques	\$45.00	\$45.00
Processing Fee - Oil & Gas Long term		
a) Oil & Gas Long Term	\$340.00	\$340.00
b) Annual	\$550.00	\$550.00
GIS Services (plus tax)	2018	2019
Data Requests (includes up to 3 data sets, \$100.00 per additional data set)	\$315.00	\$330.00
Plotting Services (per sq. ft.)	\$10.00	\$10.00
GIS Service Fees (per hour, minimum 1 hour charge)	\$90.00	\$105.00
Digital Aerial Photography (requires license agreement) per tile	\$60.00	\$60.00

EDUCATION FEES	2017/2018	2018/2019
Half Day Class/Student	\$4.50	\$5.50
Full Day Class/student	\$8.50	\$10.00
Minimum Charge for other programs	\$60.00	\$110.00
In Class program (without sponsors) first class	\$100.00	\$100.00
In Class program (without sponsors) second class same school	\$75.00	\$75.00
Minimum Charge for other programs	\$60.00	\$110.00
ICE (Innovation, Creativity & Entrepreneurship) per day		\$400.00
SHSM (Specialist High Skills Major)		\$250.00

WATERSHED SERVICES TECHNICAL FEES	2018	2019
Technical Reports - Adobe digital (pdf) format on CD	\$60.00	\$60.00
Data and Information Requests		
a) HEC II, HYMO, Hyrdo Pak, Streamgauge, Precipitation, Meteorological or Flow Data	\$100.00	\$100.00
b) Additional cost for data or information collection in excess of one hour	\$50.00/hr	\$55.00/hr
c) Additional cost for CDs or printed reports	\$60.00	\$60.00
Miscellaneous Fees		
Hunting - McKeough Properties Only (annual permit)	\$70.00	\$70.00
Trapping Permit	\$10.00	\$10.00

Meeting Date: November 8, 2018 **Item 13.5.1**
Report Date: October 25, 2018
Submitted by: Dallas Cundick
Subject: Planning & Regulations Fee Schedule 2019

Recommendation:

That the Board of Directors approve the Planning & Regulations Fee Schedule for 2019.

Background:

The proposed Planning & Regulations 2019 fee schedule, attached, includes updates to the layout to improve readability and transparency. We hope these changes will help make our fee schedule more user friendly.

Fees have generally been increased by 10%, and rounded to an easy number for processing.

Fees highlighted in yellow have been changed or increased by a greater amount and have been explained below.

Site Inspection/Meeting Attendance: these two fees were combined this year and increased greater than 10% to better reflect appropriate staff time requirements.

Site Plan Approval (Natural Hazards): this fee was increased greater than 10% as, the fee was not reflective of the work required. The term major has been introduced to ensure consistency with other fees.

Minor Variance (Natural Heritage)

In order to better reflect the amount of work required for review, a new fee breakdown has been introduced for Natural Heritage review of Minor Variance applications. The fee is reflective of the potential impact of the proposed development and staff time required to comment, based on the proximity of the proposed development to the natural heritage feature. This fee structure has been introduced for minor variances only as a pilot and will be reviewed in 2020 for effectiveness and if there is any potential to carry this pricing method forward to additional application types.

Draft Plan of Subdivision/Condominium

The categories based on number of units, were updated to reflect the categories used by the Counties. Previously, 2-4 Units, 5-15 units and >16 units were used. Now the categories are < 20 units, 21- 50 units and > 51 units, and the fees have been updated accordingly.

Draft Plan of Subdivision/Condominium (Natural Heritage): this fee was increased greater than 10% as, the fee was not reflective of the work required. The categories have also been updated as outlined above.

Redline Revision: the fee was changed from a flat rate to 25% of the initial fee paid to better reflect the scope of work required.

Regulation Application Fees: the various categories of applications were consolidated for simplicity. The prices remained consistent with the categories previously used, plus the 10% increase.

Application/Permit Revisions: this fee was changed to a flat rate to better reflect the work required and allow staff to more easily apply the fee.

Various fees that were outdated and not used by staff have been clarified, renamed, consolidated with pre-existing fees or removed from the fee schedule to help ensure clarity and consistency.

The discounts previously offered in the fee schedule have been removed to assist with cost recovery and better reflect the review work required by staff.

The overall intent of the fees changes are to improve customer service, better reflect staff review time, and to ensure cost recovery of expenses incurred in the Planning and Regulations Department.

Comment on Natural Heritage Advisory Service

SCRCA's Strategic Plan includes the goal to "*protect, manage, and restore our natural systems including woodlands, wetlands, waterways and lakes*" (Goal 2). In alignment with this goal, municipalities are required to meet the policies of Section 2.1. Natural Heritage of the Provincial Policy Statement. Having SCRCA staff with expertise in this subject provide the natural heritage advisory service to the municipalities precludes the need for upper and lower tier municipalities to hire their own qualified staff or consultants in Natural Heritage to carry out review of development proposals, official plan and zoning bylaw updates, etc. It also allows for consistency of review across municipal boundaries, working at a watershed scale to better recognize and protect the natural heritage features.

In 2017, SCRCA staff reported to the Board on the anticipated budget variance for the natural heritage planning advisory service in 2018. The Board of Directors advised that the 2018 draft fees be increased by 25%. Additional advisory services required by the municipalities would be billed at an hourly rate directly to the municipality requiring the service to ensure cost recovery of the project. Despite these updates, the program will still show a deficit in 2018. This is due in part to the number of applications received, as well as the lack of large scale municipal projects in 2018 (e.g. Official plan updates). To

help reduce some of the budget variance in 2019, the proposed changes outlined have been made to the fee schedule.

The Conservation Authority at this time recommends; to keep track of proponent versus municipally driven amendments/projects in 2019 to determine if cost recovery in this manner is feasible, to continue to look for other possibilities to generate revenue to balance the 2019 budget in this category, and to complete a comprehensive review of Planning and Regulations Fees including exploring options to support the Planning Ecologist which supports the Natural Heritage planning services within Middlesex County, Chatham Kent and Lambton County.

2019 Camping Fee Summary KB/October 9, 2018						
Conservation Authority	Seasonal Rate with Winter Storage & Taxes	Overnight Serviced (per night)	Overnight Un-serviced (per night)	Vehicle Pass	Seasonal Vehicle Pass	Pump-out
Great Canadian Hideaway (*2018 rates*)	\$2,486.00 - 30 amp (plus hydro)	\$54.24 (30 amp)	\$44.07	\$ 5.00 per person \$ 16.00 per vehicle		\$ 141.25 per season
Upper Thames River (*2018 rates*) (April 20 to October 14)	\$ 2,740.00 - 30 amp (reg) \$ 2,990.00 – waterfront \$ 3,665.00 premium	\$ 49.00 (30 amp) Weekly \$ 322.00	\$39.00	\$ 14.00	\$ 125.00	\$ 300.00 Bi weekly \$ 50.00 Per pump out
St. Clair Township (Cathcart, Cundick, Mooretown) (*2018*)	\$ 2,412.00 (30 amp & sewer)	\$42.00 (30 amp & sewers) \$ 48.00 (prime campsites) Weekly \$265; monthly \$800.	N/A			
Kettle Creek Conservation Authority (*2018 rates*)	\$2,400.00 - 30 amp (plus hydro) (no winter storage available – all trailers removed from site)	\$52.00 (30 amp) \$45.00 (15 amp) Weekly \$283.00 Monthly \$ 848.00	\$42.00	\$ 10.00	\$80.00	\$ 40 per pump
Our Ponderosa Ipperwash (*2018 rates*)	\$3,875.90 - 30 amp Regular site (plus hydro, plus, plus)	\$ 62.85 (30 amp) weekdays \$ 83.80/ night Weekends \$ 103.97/night Long weekends		\$ 6.78 per person		

Lakewood Christian Campground (*2018 rates*)	Ranges from \$ 2,147.00 to \$ 2,429.50 30 amp & sewers (hydro & winter storage extra)	\$ 51.98 - 30 amp (Add \$ 5.00 / night for long weekends) Weekly \$311.88 (includes hydro, water, sewer)	\$ 40.68 (Add \$ 5.00/night for long weekends)	\$ 5.65/ person or \$ 11.30/ family	\$ 39.55/ person or \$ 67.80/ family	
Silver Dove Estates (Appin) (*2018 rates*)	\$ 2,147.00 plus hydro & winter storage	\$ 44.97 - 30 amp	\$ 15.00 per person	N/A		
Maitland Valley *2018*	\$2,650.00 (30 amp) (April 24 to Oct 13)	\$ 48.00- 15 amp \$ 53.00- 30 amp Monthly- \$ 1,113.00 Weekly - \$ 356.00	\$ 38.00	\$ 15.00 per vehicle	\$ 90.00	\$20 per pump out
Essex Region (Holiday Beach) (*2019 rates)	\$ 2,101.80 (plus hydro)	No sites available	N/A	\$10.00	\$80.00	
Mitchell's Bay Marine Park (*2018)	Ranges from \$ 5,299.70 to \$ 3,672.50 (plus hydro)	\$47.46 (weekdays) \$56.50 (Weekends) (Stat holidays – 3 day minimum)				\$452.00 biweekly \$ 33.90 per pump
St. Clair Region (2018)	\$2,200.00 – 30 amp Winter storage, water & hydro included	\$44.00 (hydro & water)	\$37.00	\$8.00/vehicle	\$60.00	\$200.00 Bi-weekly \$30.00 Per pump
St. Clair Region (Proposed for 2019)	Winter storage, water & hydro included	(hydro & water)		\$8.00/vehicle	\$60.00	\$200.00 Bi-weekly \$30.00 Per pump

- Fee increases are a result of inflationary and operational changes associated with staff, and general cost increases.
- Slight fee increases are also required to ensure financial reserves are maintained at levels sufficient to undertake large capitals expenditures (septic system updates, road improvements) when required
- Even with these increases our rates remain below most local private and regional conservation authority campgrounds

SCRCA Joint Health & Safety Committee Meeting Minutes — Wednesday, June 27, 2018, 8:30 am		Lower Board Room 205 Mill Pond Cres. Strathroy, ON	
Meeting called by:	JHSC Committee	Type of meeting:	Quarterly
Facilitator:	S. Hodgkiss	Minutes:	Laura Biancolin
Attendees:	G. Baxter, S. Hodgkiss, D. Cundick		
Guests:			
Please read:	Minutes from previous meeting & come prepared to present information on your Action Items (see 2.1)	Please bring:	
Agenda Items			
1. Motion to approve March 26, 2018 meeting minutes (Sarah) Moved by: Dallas Cundick Seconded By: Glenn Baxter Carried			
2. Business arising from the minutes 2.1 Review of Action Items Sarah Hodgkiss to report on: <ul style="list-style-type: none"> • Review of incident/injury investigation reports since March 26, 2018, meeting <ul style="list-style-type: none"> ○ Injury Report on May 8 2018 <ul style="list-style-type: none"> ▪ Staff member's hand got pinched when collapsing a telescoping ladder. Improper hand placement. Safety instructions label on the ladder. ▪ No further actions required. ○ Near miss June 15, 2017 (previously unreported) <ul style="list-style-type: none"> ▪ Vehicle slipped down hill, clay road, rainy conditions ▪ No injuries or vehicle damage, tow truck required ▪ As part of ongoing staff vehicle and driving safety training, recommend a memo/policy regarding assessing road and weather conditions when determining if it is safe to travel on unpaved roads. Note that we do not have 4-wheel drive on our vehicles. ▪ Sarah to follow up with staff for incident report ▪ Look into purchasing traction mats for vehicles. • Workplace Violence and Harassment Policy <ul style="list-style-type: none"> ○ updates required to Health and Safety manual and Admin manual re: violence and harassment ○ violence and harassment policy is currently included in admin manual, not health and safety manual, but expanded policy is too long to include, recommend that it should be a separate document that is referenced in both manuals, with associated forms ○ Have management rep bring policy to the director/GM level for review. 			

Glenn Baxter to report on:

- Review of policies (fall arrest, tree cutting, tractor safety)
 - Deferred until the next meeting (September 2018), needs to be sent individual policies, does not have access to O drive

Dallas Cundick to report on:

- Tractor safety procedure provided by Shane
 - Deferred until the next meeting - September 2018
- Chemical storage at McKeough
 - Work in progress - issue has been brought forward to the manager.
 - Dallas and Girish to discuss options in July and meet in August. To be carried forward.

Carry forward items for Kevan

- Evacuation accountability policy
- McKeough building plans and storage options
- Updates to manual (fall arrest, tree cutting, maple syrup production)

3. Area Reports & Workplace Inspections

3.1 LCH, WWK, AWC, McLean - (**Glenn**)

- LCH and AWC completed by Glenn,
- McLean inspection scheduled, Glenn to complete
- WWK inspection to be conducted when Kevan is available
- Updated health and safety board documents needed for the parks (Sarah & Ashley)
 - JHSC meeting dates and minutes
 - JHSC contact names
 - Valid first aid certificates
 - Workplace inspection dates and reports

3.2 LCH Education Centre – (**Glenn**)

- Glenn will complete the inspection at the start of July

3.3 Other Departments (**JHSC as received**)

- Refer to legislation re: worker rep vs management rep conducting site inspections (should Sarah replace Dallas for scheduled site inspections for McKeough and the office in August and September?)

4. New Business

4.1 Dallas to talk to Kevan and Brian about Management Rep for 2019

4.2 Require two more JHSC worker members to replace Sarah at end of term, and if Dallas moves to management rep

4.3 Tick safety.

4.3.1 Tracy working on a reporting form for staff returning to the office from the field to note if ticks were present/attached/etc. Waiting for more information.

4.3.2 Vials should be kept in vehicles for ticks to be taken to Health Unit.

5. Goals and Objectives in 2018

5.1 To regularly review MOL website to educate ourselves and learn from documented investigations and fines (ongoing)

5.2 To review Health and Safety Manual and make changes as necessary (ongoing)

5.3 To appoint a worker rep. in October, 2018 for a 3-year term (to replace Sarah Hodgkiss), determine when to elect worker rep to replace Dallas

5.4 Conduct workplace inspections as required (at least one location each month)

- 5.5 To encourage supervisors to complete safety reviews and 5-point check lists on a more frequent basis (ongoing)
- 5.6 To update the JHSC files on the O drive (ongoing)
- 5.7 To recommend that Supervisors schedule retraining refreshers with their staff, once a month (ongoing) – to be brought to supervisors meeting by management rep
- 5.8 To send occasional Health & Safety Bulletins to all staff (i.e. Hot & Cold Weather Alerts forwarded to all staff as received from Lambton Public Health)

6. Proposed next meeting dates: September 26, 2018

7. Adjournment

Moved by: Sarah
 Seconded by: Glenn
Carried

Misc. Information

Contacts:	Worker Co-chair: Management Co-chair: Workplace Inspectors: Worker Reps.: Meeting Recorder:	Sarah Hodgkiss Kevan Baker Sarah Hodgkiss, Glenn Baxter, Dallas Cundick, Kevan Baker Glenn Baxter, Sarah Hodgkiss, Dallas Cundick Laura Biancolin
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Sarah Hodgkiss

26/09/2018

Signature of Co-Chair

Date

Kevan Baker

26/09/2018

Signature of Co-Chair

Date

Meeting Date: November 8, 2018 **Item 13.9**
Report Date: October 22, 2018
Submitted by: Ashley Fletcher

Subject: 2019 Tentative Schedule of Meetings

Board of Directors:

February 28 (4th Thursday) - Annual General Meeting (Wallaceburg)
April 18 (3rd Thursday)
June 27 (4th Thursday) – Project Tour (Warwick C.A)
September 19 (3rd Thursday)
November 14 (2nd Thursday) All staff 3rd Wed
December 12 (2nd Thursday) All staff 3rd Wed

Executive Committee: at the call of the chair.

February 14 (2nd Thursday) – Audit Review & Recommendation

All Board of Director and Executive Committee meetings are held at the Administration Office at 10:00 a.m., with the exception of the June meeting which follows the Project Tour.

Flood Action Committee: January 10 (2nd Thursday) and at the call of the Chair

Low Water Response: May 16 (3rd Thursday) and at the call of the Chair

Nominating Committee: At the call of the chair. (Potentially prior to February 14 Executive Committee)

Please Note: This is a tentative schedule and circumstances may necessitate changes. Accordingly, these dates should be confirmed with the Administration Office prior to the meeting date.

Meeting Date: November 8, 2018
Report Date: October 23, 2018
Submitted by: Donna Blue

Item 14.1

Subject: Communications Update

Recommendation:

That the Board of Directors acknowledges the Communications Update report dated October 23, 2018 including memorial forest dedications, conservation awards, Conservation Foundation update, status of conservation education fundraising and the International Plowing Match.

Memorial Forest Dedications

Memorial forest dedication services were held on September 16th and September 23rd this past fall.

Denning's Chatham-Kent and West Elgin Memorial Forest Dedication

The 2nd annual Denning's Chatham-Kent and West Elgin Memorial Forest Dedication was held on Sunday, September 16th at the Keith McLean Conservation Lands. Tree planting and conservation education are supported through donations made to the St. Clair Region Conservation Foundation in recognition of families served by the Chatham-Kent and West Elgin Denning Funeral Home branches.

Approximately 70 people attended the dedication service. Duncan Skinner brought remarks on behalf of the Foundation. A Red Maple tree was planted as a symbol of the trees that will be planted through the Authority's forestry programs and all the children that will take part in the Authority's conservation education programs.



Duncan Skinner providing remarks at the Denning's Chatham-Kent and West Elgin Memorial Forest Dedication at the Keith McLean Conservation Lands.

Foundation Memorial Forest Dedication

The Foundation Memorial Forest Dedication was held on Sunday, September 23rd at the Lorne C. Henderson Conservation Area in Petrolia, Ontario. Duncan Skinner and Steve Arnold provided remarks on behalf of the Foundation and Authority, respectively. Seventy people attended the dedication where a Red Maple was planted as a symbol for all trees dedicated over the last year through donations from individuals not associated with a funeral home program. From September 2017 to August 2018, 78 trees were dedicated through individual donations to the program. To date, a total of 2,095 trees have been dedicated through the Foundation's Memorial Forest Program.



Above: The family of Monica Dziegiel planted a Red Maple tree during the Foundation's Memorial Forest Dedication at L.C. Henderson.

Conservation Awards

A list of possible conservation award recipients will be brought forward at our Board meeting in December. Board members wishing to nominate any individual or organization should contact Brian McDougall or Donna Blue at the SCRCA Administration Office.

St. Clair Region Conservation Foundation

The St. Clair Region Conservation Foundation raises funds to support the work of the Conservation Authority. At the October meeting, the Foundation approved support for a number of project and programs:

- \$6000 to support land management staff costs for Foundation owned lands
- \$15,000 to support three intern positions
- \$60,000 to support Conservation Education

Conservation Education Fundraising

One of the main Authority programs supported by the Foundation is Conservation Education. Efforts are made to secure funds from corporate sponsors, special events and the bingo program. Additionally, the Conservation Authority applies for government grants to support the education program. Current support efforts include:



Melissa Gill, Conservation Education/Community Partnership Technician using an EnviroScape to teach students about the St. Clair River Area of Concern (AOC) and what is being done to reduce pollutants from entering local water ways. The “River RAP” program has traditionally been sponsored by the Friends of the St. Clair River community group.

St. Clair Region Conservation Authority Conservation Services department, an application was submitted to Waste Management to support tree planting efforts throughout the watershed and conservation education. A total of \$2000 has been secured to support conservation education programming.

Sarnia-Lambton Environmental Association (SLEA): a request has been made to SLEA to continue funding for the “River Bottom Critters” and the “Go with the Flow Groundwater” programs in the amount of \$30,000. The “River Bottom Critters” program is targeted at grades JK–12 and the “Go with the Flow” program is offered to students in grades JK–8.

Plains Midstream Canada: Funding in the amount of \$5000 has been secured from Plains Midstream Canada to support the “Spring Water Awareness” program offered to elementary students (JK to grade 6) in March 2019. The cheque presentation will occur in Spring 2019.

Friends of the St. Clair River: a request has been made to FOSCR to continue funding the “River RAP” conservation education program (\$3000). Confirmation of the funding will be received after the next Directors meeting in late October.

Waste Management: in collaboration with the

Climate Action Fund: administered through Environment and Climate Change Canada, an application has been submitted in collaboration with the St. Clair Region Conservation Authority Biology Department to support conservation education. If successful, \$5000 of funding will be available to support programming until March 31, 2019.

Middlesex Mutual Insurance Company: through their “Pay-It-Forward” initiative at the 2018 Ilderton Fair, the St. Clair Region Conservation Authority was selected as the 2018 recipient of Middlesex Mutual Insurance Company’s \$250 donation towards conservation education programming.

2018 International Plowing Match

The 2018 International Plowing Match (IPM) was held between September 18th and September 22nd in the village of Pain Court, located in the municipality of Chatham-Kent.

The SCRCA with Lower Thames Valley and Essex Region Conservation Authorities partnered on a tent and display for the IPM focusing on creating Healthy Great Lakes. The five-day event drew over 78 000 people to Chatham-Kent from all over Ontario.

The event was a complete success with over 6000 people visiting the Conservation Authority tent over the five days. Displays represented numerous Authority programs related to stewardship and healthy Great Lakes. A broad range of topics were covered including:

- tree planting and wind breaks
- cover crops and buffer strips
- local Species at Risk (SAR)
- biomonitoring techniques (benthic invertebrates)
- water quality monitoring
- regulations and planning
- campgrounds and conservation areas



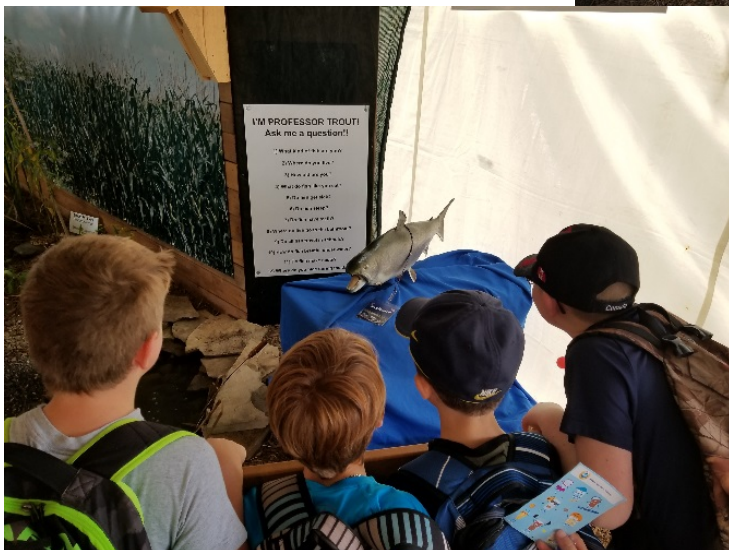
The tent followed a super hero theme on how you could become a “Great Lakes Guardian”. In addition to the local community and farmers, the tent drew many school children as it was included as a “stop” on the “Education Passport”. This activity required the students to visit four of five tents listed on their “passport” and answer a question submitted by the organization running the tent.

Over 6000 people visited the Conservation Authority tent over the five days with the largest daily attendance occurring on Saturday of the IPM where we welcomed and engaged over 1700 people.



Visitors could sit on a tree planter and learn about the different tree planting methods and programs offered by Conservation Authorities. Many also had a bit of fun and took advantage of the photo opportunity “pulling” the tree planter.

The importance of nature and outdoor recreation to our overall physical and mental well-being was highlighted in our campground and conservation areas display.



Many children (and adults) were fascinated by Professor Trout who could answer any question about fish, water quality and our local lakes and rivers. Numerous families returned two or three times with their children to talk to “Professor Trout”.



Rainfall simulators educated visitors on how different farming practices (e.g., cover crops vs. no cover crops) can influence the water quality of local water courses.

With funding support from all three Conservation Authorities, the Friends of the St. Clair River, the Chatham-Kent and Lambton Children's Water Festival and Union Gas, a Virtual Reality Sandbox was purchased to educate students and visitors on water flow, flooding hazards, erosion and landforms.



Buffer strips and their importance in improving water quality and habitat for local species (including many Species at Risk) was demonstrated at the flowing stream display.

Meeting Date: November 8, 2018
Report Date: October 24, 2018
Submitted by: Sharon Nethercott
Melissa Levi
Subject: Conservation Education Progress Report

Recommendation:

That the Board of Directors acknowledges the Conservation Education Report, dated October 24, 2018 including fall education programs and events.

Fall Education Programs

Outdoor Education Funding is continuing through the Ministry of Education. Teachers can apply for \$7.00 per student to be put towards our field trips. The SCRCA class fees increased from \$4.50 to \$5.50 per student per 2-hour program. (First increase in 10 years.) To date, the fee increase has not deterred teachers from booking programs. Our fees are still below neighbouring Conservation Authorities.

Program Flyer for Teachers: The LKDSB has begun distribution of e-flyers only. All flyer requests must now be approved through an on-line portal before the School Principals will have access to them. Printed copies will no longer be distributed through this board. The SCCDSB is continuing with printed flyers at this point.

Healing Hike: Staff from the Sarnia Health Unit visited Henderson Conservation Area for a staff team building day. Multiple high school bookings and interest from Gr 7/8 teachers is helping to build momentum in this new mental health awareness program which teaches stress reduction techniques in natural outdoor settings.

River Day: September 27th, 2018 – Assisted biology staff to run a full day workshop for Riverview Central Public School at the St. Clair River. Every student in the school visited Marshy Creek Park for hands-on education focusing on water.



Biology and education staff teach students about aquatic life found in Marshy Creek.

Sector Specific Sustainability Practices: Oct. 23rd and Oct 25th - This new SHSM certification has been co-developed with SCRCA biology department staff. The workshop included a site visit to a local farm demonstrating Best Management Practices being implemented on site. This year we partnered with Belan Farms and showcased their 25 years of cover crop experience.

Geocaching Event

Sunday Sept. 16 – Over 50 people were in attendance from as far away as Michigan, UK, Windsor and London. 4 families, who were new to geocaching attended. They enjoyed learning about this opportunity to explore different conservation areas. Our local waterways were highlighted as 8 of the new caches were named after Fish found in the Sydenham River. The trail improvement partnership with SFX high school students last spring was also highlighted in a cache.

Lambton Upland Game Bird Club Youth Day:

August 18th, 2018 – SCRCA staff provided children with nature-based conservation activities in this annual youth day hosted by the Lambton Upland Game Bird Chapter. Connections were made between collected insects and the ecology of farming, fishing and general ecosystem support.

Forest Fair Agriculture in the Classroom:

September 14th, 2018 – Staff provided information and a hands-on learning game for approximately 150 students in grades 3-6. SCRCA staff discussed the importance of soil on the farm and provided a hands-on erosion experiment.

Brigden Fair Agriculture in the Classroom:

October 5th, 2018 – SCRCA education staff provided an educational display with hands-on activities for approximately 800 students in grades 3-6. Staff discussed 'who lives in the ditch' with a focus on species at risk. Students were encouraged to hunt for mussels in our artificial ditch; learning identification skills and life history of our local mussel populations.

Reptiles at Risk Education Day:

October 10th, 2018 – Education staff partnered with Biology staff to offer this annual education experience for Gr 12 students in our watershed. Students from Great Lakes Secondary School visited Perch Creek to learn more about Reptiles at Risk, and the habitats they depend upon.

AFSAR Education Days @ Hillside School Kettle Point:

October 3rd and October 22nd – As part of our annual education days at the Kettle Point First Nation school, students in Gr 3 and 4 participated in an outdoor and indoor education day with 3 SCRCA staff. During the ‘outdoor visit’ students were taken to the creek to look at the life supported there. The indoor day focused on Species At Risk at Kettle Point, encouraging the kids to share their own experiences and learn new ideas through games and crafts

Meeting Date: November 8, 2018
Report Date: October 25, 2018
Submitted by: Kelly Johnson

Item 14.3

Subject: St. Clair River Area of Concern Update

Recommendation:

That the Board of Directors acknowledges the St. Clair River Area of Concern report dated October 25, 2018.

Update:

The Status Assessment Reports for the Beneficial Use Impairments (BUIs) - “Bird or Animal Deformities or Reproductive Problems”, “Restrictions on Dredging” and “Beach Closings” are continuing to move through the re-designation process.

The Binational Public Advisory Council (BPAC) held their last meeting on October 10, 2018 in Port Huron, Michigan. The next BPAC meeting is being planned for late January 2019 on the Ontario side of the St. Clair River.

Kelly Johnson will be speaking about re-designation of the Beach Closings BUI at the Lake St. Clair Conference being held in Michigan on November 1 and 2, 2018.

Kelly is working with Aamjiwnaang First Nation to organize a tree planting event along the St. Clair River. The tentative date for the event is November 7, 2018. Students and scouts from the community will be invited to participate.

A Canadian Remedial Action Plan Implementation Committee (CRIC) meeting is being planned for late November 2018.

Kelly is planning a “St. Clair River Evening” event. A number of presenters will speak about habitat restoration in the AOC. A date for the public event will be decided in the near future, and the event will be held in Sarnia.

Staff continue to draft the 2012 – 2017 Accomplishments Report. It is anticipated that the report will be complete this fall.