



Board of Directors - Notice of Meeting
April 18, 2019 **Time: 10:00 am**
Administrative Office

Tentative Agenda

1. Chair's Remarks
2. Adoption of Agenda
3. Declaration of Pecuniary Interests
4. Minutes
 - 4.1 Feb 28, 2019 Minutes
5. General Manager's Report
 - 5.1 GM Report
6. Chair & Conservation Ontario Report
 - 6.1 Verbal update from April 1, 2019 meeting
 - 6.2 Meeting Provincial Priorities for Reducing Regulatory Burden
7. Business Arising
8. Conservation Area Reports
 - 8.1 Conservation Areas Update
 - 8.2 Highland Glen User Fees
9. Water Resources Reports
 - 9.1 Current Watershed Conditions
 - 9.2 WECI Projects
 - 9.3 Phase II – Courtright Waterfront Park Shoreline Improvements
 - 9.4 Phase II – Floodplain Mapping Project
 - 9.5 Sediment Management Options – Consultant Selection
10. Biology Reports
 - 10.1 Healthy Watersheds Program Update
 - 10.2 Sydenham River Watershed Phosphorus Management Plan Update
11. Conservation Services Report
 - 11.1 Conservation Services Report
 - 11.2 Larvicide Report
12. Planning Department Reports
 - 12.1 Regulations Activity
 - 12.2 Monthly Planning Activity Summary Report
 - 12.3 DART Activity Report
13. Finance Reports
 - 13.1 Revenue & Expenditure Report
 - 13.2 Disbursements
 - 13.3 2018 General Levy update
 - 13.4 Investment Statements
 - 13.5 Joint Health & Safety Committee Meeting minutes
14. Communications Reports
 - 14.1 St. Clair River Area of Concern
 - 14.2 Bus Tour
 - 14.3 Conservation Education
15. Presentation from Little, Inglis, Price & Ewer LLP

16. New Business
17. Adjournment

Please contact Ashley (call 519-245-3710, 1-866-505-3710 or e-mail afletcher@scrca.on.ca) at the Administration Office by Monday, April 15, 2019 if you are unable to attend.

Board of Directors Proposed Resolutions

1. Chair's Remarks
2. 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.
- 3.1 Moved by: _____ Seconded by: _____
That the Board of Directors adopts the agenda for the meeting as presented.
- 4.1 Moved by: _____ Seconded by: _____
That the minutes of the Board of Directors meeting, held February 28, 2019, be approved as distributed.
- 5.1 Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the General Manager's report, dated April 9, 2019.
- 6.1 Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the verbal report of Conservation Ontario's Annual General meeting held April 1, 2019 at Black Creek Pioneer Village in Toronto.
- 6.2 Moved by: _____ Seconded by: _____
Whereas the provincial government intends to increase the supply of housing and streamline the land use planning and development approval process to achieve this goal; and whereas the Conservation Authorities play an important role in the planning and development review process with respect to watershed protection and hazard lands; and whereas Conservation Authorities support and can help deliver the Government's objective not to jeopardize public health and safety or the environment; therefore be it resolved that the Board of Directors endorse the three key solutions developed by the Conservation Ontario working group: to improve client service and accountability; increase speed of approvals; and, reduce "red tape" and regulatory burden; and that staff be directed to work with Conservation Ontario and our clients to identify additional improvements; and further that staff be directed to implement these solutions as soon as possible.
- 7.1 Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the updates on business arising from the February 28, 2019 meeting.

- 8.1 Moved by: Seconded by:
That the Board of Directors acknowledges the Conservation Areas report dated March 30, 2019.
- 8.2 Moved by: Seconded by:
That the Board of Directors acknowledges this report dated March 28, 2019 regarding Highland Glen Conservation Area day use fees.
- 9.1 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 4, 2019 on the current watershed conditions and Great Lakes water levels.
- 9.2 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 4, 2019 on Water and Erosion Control Infrastructure Projects and approves the projects submitted for funding in 2019-2020 and further will assist staff in obtaining matching funds, where required, to support these projects upon confirmation of funding approval.
- 9.3 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 4, 2019 on the Phase II Courtright Park Shore Protection Project.
- 9.4 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 4, 2019 on NDMP funding Phase II and directs staff to work with the municipalities to obtain the required matching funding and continue to acquire proposals from Riggs Engineering.
- 9.5 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 4, 2019 regarding the St. Clair River Sediment Remediation project and directs staff to acquire proposals from pre-qualified engineering consulting firms and further delegates the Chair and General Manager to approve the selected consulting firm and sign an agreement for services, subject to confirmation that all costs to undertake the work will be covered through the available funding.
- 10.1 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 3, 2019 on the Healthy Watersheds Program.
- 10.2 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 3, 2019 on the Sydenham River Watershed Phosphorus Management Plan.

- 11.1 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 3, 2019 regarding Conservation Services projects and programs.
- 11.2 Moved by: Seconded by:
The Board of Directors acknowledges the report dated April 4, 2019 on the application of larvicide to catch basins in Lambton County for the control of West Nile Virus in 2019.
- 12.1 Moved by: Seconded by:
That the Board of Directors acknowledges and concurs with the Regulations Activity Summary Report dated April 2, 2019 on "Development, Interference with Wetlands & Alterations to Shorelines & Watercourses" Regulations (Ontario Regulation 171/06) from February 1, 2019 to March 31, 2019.
- 12.2 Moved by: Seconded by:
That the Board of Directors acknowledges the St. Clair Region Conservation Authority's monthly Planning Activity Summary Report dated April 2, 2019 for February 1, 2019 – March 31, 2019.
- 12.3 Moved by: Seconded by:
That the Board of Directors acknowledges and concurs with the November, 2018 – March, 2019 municipal drain activity report associated with the Drainage Act and Conservation Authorities Act Protocol (DART).
- 13.1 Moved by: Seconded by:
That the Board of Directors acknowledges the revenue and expenditure report to February 28, 2019, as it relates to the budget.
- 13.2 Moved by: Seconded by:
That the Board of Directors approves the January, February and March 2019 disbursements as presented in the amount of \$873,269.68.
- 13.3 Moved by: Seconded by:
That the Board of Directors acknowledges the status report on the 2019 general levy receipts to date.
- 13.4 Moved by: Seconded by:
That the Board of Directors acknowledges the Investment reports to February 28, 2019.
- 13.5 Moved by: Seconded by:
That the Board of Directors acknowledges the November 28, 2018 Joint Health & Safety Committee meeting minutes.

- 14.1 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 2, 2019 on the St. Clair River Area of Concern.
- 14.2 Moved by: Seconded by:
That the Board of Directors acknowledges the report dated April 1, 2019 on the proposed project tour scheduled for June 27, 2019.
- 14.3 Moved by: Seconded by:
That the Board of Directors acknowledges the Conservation Education Report, dated April 3, 2019 including the winter programming, program development and expansion, Community Partnerships, and Special Events.
15. Moved by: Seconded by:
That the Board of Directors acknowledges the presentation given by Little, Inglis, Price & Ewer, LLP regarding the legal aspect of the roles, responsibilities of SCRCA Board Members.
16. New Business
17. Moved by: Seconded by:
That the meeting be adjourned.



Board of Directors Meeting Minutes

Date: February 28, 2019 Time: 10:00 am
The Clubhouse at Baldoon, Wallaceburg

Directors Present: Steve Arnold, Chair; Andy Bruziewicz, Vice Chair; Diane Brewer, Alan Broad, Tony Bruinink, Joe Faas, Norm Giffen, Betty Ann MacKinnon, Kevin Marriott, John McCharles, Steve Miller, Frank Nemcek, Cindy Scholten, Jerry Westgate, Muriel Wright.

Regrets: Mike Kelch, Dan McMillan, Gerry Rupke, Jeff Wesley

Staff Present: Brian McDougall, General Manager; Donna Blue, Manager of Communications; Erin Carroll, Director of Biology; Dallas Cundick, Manager of Planning and Regulations; Steve Clark, Water Resources Specialist; Melissa Deisley, Regulations Coordinator; Marlene Dorrestyn, Administrative Assistant; Nicole Drumm, Communication Technician; Chris Durand, Manager of GIS and IT; Ashley Fletcher, Administrative Assistant/ Board Coordinator; Melissa Levi, Conservation Education/ Community Partnership Technician; Sharon Nethercott, Conservation Education Coordinator; Tim Payne, Manager of Forestry; Tracy Prince, Director of Finance; Girish Sankar, Director of Water Resources; Steve Shaw, Manager of Conservation Services; Shane White, McKeough Dam Operations

Special Guests Present: Rose Atkins, St. Clair Township; John Fraser, Lambton-Kent-Middlesex; Tracy Kingston, St. Clair Township; Jake Lozon, Rural Lambton Stewardship Network; Bill Myers, St. Clair Township; Nancy Randall; Kurtis Smith, Warden, Middlesex County; Bill Weber, Warden, Lambton County; Ken Williams, MPW Chartered Professional Accountants LLP; Bob Woolvett, Town of Plympton-Wyoming

Media Present: David Gough, Wallaceburg Courier Press; Bonnie Stevenson, St. Clair Township Beacon

Conservation Award Winners Present: Ray Horban, Sandra Marshall, Nette Pachlarz, Derek Scott and Nancy Vidler on behalf of the Lambton Shores Phragmites Community Group; Darrell Randall.

The meeting was called to order by the Chair, Steve Arnold, who on behalf of the directors and staff of the Conservation Authority welcomed everyone to the 2018 annual meeting and went on to present some of the Authority's many accomplishments.

For over 50 years, the SCRCA has established strong partnerships with local organizations and government agencies to protect and enhance the local environment. In 2018, the Authority:

- Published the 3rd iteration of Watershed Report Cards that summarize the state of forests, wetlands and water resources in the St. Clair Region.
- Planted over 54,000 seedlings and 180 large-stock trees throughout the

watershed.

- Collaborated with the Lower Thames Valley Conservation Authority in organizing a successful soil health conference – over 180 people, including local farmers and soil health experts from across North America attended the conference.
- Secured over \$200,000 to support 43 stewardship projects on private property.
- Saw the re-designation of three Beneficial Use Impairments (BUIs) to “Not Impaired” in the St. Clair River Area of Concern, bringing the River another step closer to delisting.
- Continued the Authority’s Species at Risk and fish monitoring programs. Biologists studied fish communities, recording over 3,000 individual fish in 2018. In addition, at-risk turtle eggs were rescued, incubated and hatched, resulting in over 750 turtle hatchlings being released into the environment. This included more than 250 endangered Eastern Spiny Softshell turtles.
- Operated the W. Darcy McKeough Floodway for the first time in nine years to help protect the Town of Wallaceburg from February floodwaters.
- Engaged over 11,000 local students through Conservation Education classes that foster environmental awareness and an appreciation for the natural treasures of the region.

Greetings were given by: MPP Monte McNaughton on behalf of Lambton-Kent-Middlesex, Warden Bill Weber on behalf of Lambton County, Warden Kurtis Smith on behalf of Middlesex County, Past Warden and Deputy-Mayor Marigay Wilkins on behalf of Southwest Middlesex.

The Chair gave his thanks to St. Clair Region Conservation staff and Board and commended their adaptability to change.

BD-19-01

Scholten-Bruziewicz

“That the agenda for the Annual General Meeting be adopted.”

CARRIED

The Chair 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.

Minutes of the December 13, 2018 Board of Director’s meeting were reviewed.

BD-19-02

Wright-Bruinink

“That the minutes of the Board of Directors meeting held December 13, 2018, be approved as distributed.”

CARRIED

Minutes of the February 14, 2019 Executive Committee meeting were reviewed.

BD-19-03

Gordon-Faas

“That the minutes of the Executive Committee meeting held February 14, 2019, be approved as distributed.”

CARRIED

A presentation was given by Sharon Nethercott, Conservation Education Coordinator and Melissa Levi, Conservation Education/ Community Partnership Technician regarding Conservation Education Programs in the St. Clair Region.

BD-19-04

Faas-MacKinnon

“That the Board of Directors acknowledges the presentation regarding Conservation Education Programs in the St. Clair Region given by Sharon Nethercott, Conservation Education Coordinator and Melissa Levi, Conservation Education/ Community Partnership Technician.”

CARRIED

The 2018 Audited Financial Statements were distributed.

BD-19-05

Bruinink-Miller

“That the St. Clair Region Conservation Authority accepts the recommendation of the Executive Committee and report from the Authority’s auditors, MPW Chartered Professional Accountants LLP, and further approves the 2018 Audited Financial Statements.”

CARRIED

Conservation Award Presentations

Lambton Shores Phragmites Community Group

The Lambton Shores Phragmites Community Group (LSPCG) was established in 2012 with the goal of working with other organizations and landowners to restore wetland and beach habitat by controlling the spread of the invasive grass Phragmites. Since their inception, the LSPCG has successfully implemented Phragmites control measures over 120 hectares (300 acres) of land in the Municipality of Lambton Shores.

The group has partnered with numerous local organizations including the St. Clair Region Conservation Authority and have spearheaded a number of outreach initiatives including workshops and the development and distribution of educational brochures and factsheets.

The impact of the LSPCG spreads beyond the borders of Lambton Shores and members are eager to share their experiences and expertise within other jurisdictions. Most recently, Nancy Vidler, chair of the LSPCG and others from the community group attended the Lambton County Phragmites Partnership Workshop. Their expertise and

passion for the management of Phragmites was evident and they will most certainly be a tremendous resource for the County and the SCRCA as this initiative moves forward.

The Lambton Shores Phragmites Community Group is very deserving of the Conservation Award for the tremendous impact they have had in managing and educating others on the invasive species Phragmites.

Darrell Randall

Darrell Randell has been involved in numerous environmental initiatives through both his professional and municipal careers. As a municipal counsellor at St. Clair Township over the last 24 years, Darrell has advocated for many projects that have resulted in improved environmental quality in the St. Clair Region. In his role as Conservation Specialist with Ducks Unlimited Canada, Darrell assists local landowners in creating and/or restoring wetlands in Southwestern Ontario. Many partnerships have been forged between the St. Clair Region Conservation Authority and Ducks Unlimited Canada because of his involvement and passion for wetland projects.

Darrell has also been a long standing member of the Binational Public Advisory Council for the St. Clair River Area of Concern (AOC) and has been essential in the progress made to delist the River as an AOC through his involvement with the Canadian Remedial Action Plan Implementation Committee (CRIC). He also founded the Friends of the St. Clair River community group which has provided an additional source of project funding and educational opportunities benefitting the St. Clair River Area of Concern Remedial Action Plan.

Darrell was the recipient of an SCRCA Conservation Award in 1997. With his municipal career coming to an end in 2018, it is only fitting that Darrell be honoured for a second time by the Authority for his commitment to conservation and the work he has done and will continue to do to improve the environmental health of the St. Clair Region.

BD-19-06

Marriott-Broad

“That the Board of Directors congratulates the 2018 Conservation Award Winners and thanks them for their contributions to conservation.”

CARRIED

2018 service awards were presented:

- 5 years of service: Melissa Deisley
- 10 years of service: Steve Clark
- 15 years of service: Shane White, Joe Faas, Kevin Marriott
- 20 years of service: Chris Durand
- 30 years of service: Steve Shaw

BD-19-07

MacKinnon-Nemcek

“That the Board of Directors acknowledges the service awards presented to the directors and staff and further that they be thanked for their years of dedicated service.”

CARRIED

The Chair announced the conclusion of 2018 business and called for a break. The meeting resumed for 2019 business at 11:30 a.m. and the 2019 Board of Directors were welcomed to the table. The 2018 Authority Vice-Chair, Andy Bruziewicz assumed the role of acting Chair for the start of 2019 business.

Directors Present: John Brennan, Alan Broad, Pat Brown, Andy Bruziewicz, Terry Burrell, Joe Faas, Larry Gordon, Frank Kennes, Betty Ann MacKinnon, Kevin Marriott, Steve Miller, Frank Nemcek, Ron Schenk, Lorie Scott, Mike Stark, Jerry Westgate, Marigay Wilkins.

Regrets: Brad Loosley, Carmen McGregor, Dan McMillan,

An acknowledgment of the St. Clair Region Conservation Authority Code of Conduct and Administrative By-laws was reviewed and signed by the 2019 Board of Directors.

BD-19-08

Miller-Nemcek

“That the Board of Directors acknowledges and complies with the St. Clair Region Conservation Authority’s Code of Conduct and Administrative By-laws.”

CARRIED

BD-19-08

Scott-Broad

“That Norm Giffen be appointed chair for the election of the 2019 Chair and Vice Chair.”

CARRIED

BD-19-09

MacKinnon-Burrell

“That Ken Williams and Jake Lozon be appointed scrutineers in the event of an election.”

CARRIED

The positions of Chair and Vice Chair were declared vacant and nominations were called for the office of Chairman for 2019.

Lorie Scott nominated Andy Bruziewicz for position of Chair.
Steve Miller nominated Joe Faas for position of Chair.

Andy Bruziewicz and Joe Faas agreed to stand.

Statements to the Board were made by Andy Bruziewicz and Joe Faas

BD-19-10

MacKinnon-Burrell

“That nominations for the position of Chair be closed.”

CARRIED

Joe Faas advised that he would stand and was declared Chair of the St. Clair Region Conservation Authority for 2019.

Al Broad nominated Andy Bruziewicz for Vice Chair.

Mike Stark nominated Larry Gordon for Vice Chair.

BD-19-11

Burrell-Scott

“That nominations for the position of Vice Chair be closed.”

CARRIED

Larry Gordon advised that he would stand and was declared Vice Chair of the St. Clair Region Conservation Authority for 2019.

BD-19-12

Wilkins-Stark

“That the ballots be destroyed.”

CARRIED

Additional nominations were taken from the floor to complete the memberships of the Low Water Response, Executive, Watershed Management Plan and Planning Policy Procedural Manual and Technical Guidelines Committees.

BD-19-13

Schenk-Brown

“That the 2019 Low Water Response Committee for the St. Clair Region Conservation Authority be: Joe Faas, Chair; Larry Gordon, Vice Chair; Andy Bruziewicz, Terry Burrell, Carmen McGregor, Lorie Scott.”

CARRIED

BD-19-14

Nemcek-MacKinnon

“That the 2019 Executive Committee for the St. Clair Region Conservation Authority be: Joe Faas, Chair; Larry Gordon, Vice Chair; Andy Bruziewicz, Terry Burrell, Brad Loosley, Betty Ann MacKinnon, Mark McGill, Steve Miller, Lorie Scott.”

CARRIED

BD-19-15

MacKinnon-Bruziewicz

“That Terry Burrell and Steve Miller be the Board appointment to the Watershed Management Committee.”

CARRIED

BD-19-16

Scott-Miller

“That John Brennan, Pat Brown, Terry Burrell and Betty Ann MacKinnon be the Board appointment to the Planning Policy Procedural Manual and Technical Guidelines Committee.”

CARRIED

BD-19-17

Nemcek-MacKinnon

“That the St. Clair Region Conservation Authority adopts the 2019 Nominating Committee’s Report as amended.”

CARRIED

Municipal Funding Summary		2019	2019		
	Budget	Budget		y/n	
Municipality	Total CVA	CVA	Representative	Vote	
	Apport.%	Apport.%			
Adelaide Metcalfe Tp	1.8398%	1.8398%	Betty Ann MacKinnon	Yes	
Brooke-Alvinston Tp	1.6837%	1.6837%	Frank Nemcek	Yes	
Chatham-Kent M		6.4916%	Joe Faas	Yes	
Chatham-Kent M	12.9832%	6.4916%	Carmen McGregor		Absent
Dawn-Euphemia Tp	2.5580%	2.5580%	Alan Broad	No	
Enniskillen Tp	1.8518%	1.8518%	Kevin Marriott	Yes	
Lambton Shores M	4.9499%	4.9499%	Lorie Scott	Yes	
Middlesex Centre M	2.1334%	2.1334%	Dan McMillan		Absent
Newbury V	0.1528%	0.1528%	Marigay Wilkins	Yes	
Oil Springs V	0.1983%	0.1983%	Kevin Marriott	Yes	
Petrolia T	2.5214%	2.5214%	Brad Loosley		Absent
Plympton-Wyoming T	5.2871%	5.2871%	Ron Schenk	Yes	
Point Edward V	2.2756%	2.2756%	Larry Gordon	Yes	
Sarnia C		12.9002%	Mike Stark	Yes	
Sarnia C		12.9002%	Terry Burrell	Yes	
Sarnia C	38.7005%	12.9002%	Andy Bruziewicz	Yes	
Southwest Middlesex M	1.1532%	1.1532%	Marigay Wilkins	Yes	
		5.5568%	Pat Brown	Yes	
St. Clair Tp	11.1136%	5.5568%	Steve Miller	Yes	
		4.2181%	John Brennan	Yes	
Strathroy - Caradoc Tp	8.4361%	4.2181%	Frank Kennes	Yes	
Warwick Tp	2.1616%	2.1616%	Jerry Westgate	Yes	
	100%	100%			
				86.296%	Yes
				2.558%	No
Total of CVA Levy Apportionment Present				88.854%	Total
	Vote Passed By			97.121%	
	Vote for			18	
	Vote				
	Against			1	

BD-19-18

Marriott-MacKinnon

“That the Board of Directors approves the 2019 budget of \$6,333,732 with a non-matching general levy of \$603,751 with all member municipalities deemed as benefitting and further that the levy be apportioned using the Modified Current Value Assessment of each Municipality within the Authority’s area of jurisdiction.”

CARRIED

BD-19-19

Burrell-Miller

“That the Board of Directors approves the 2019 budget of \$6,333,732 with a municipal matching general levy of \$310,000 including finalized Modified Current Value Assessment values, updates to specific projects and municipal comments received to date.”

CARRIED

BD-19-20

Burrell-Schenk

“That the Authority Chair or the Vice Chair and the General Manager/Secretary-Treasurer or Director of Finance be authorized to borrow from the Libro Credit Union, Strathroy for the general operations and capital program of the Authority, a sum not to exceed \$1,223,751 to be repaid from grants received from the Province of Ontario, Government of Canada, levies assessed to the member municipalities and general revenue.”

CARRIED

BD-19-21

Scott-Wilkins

“That the Board of Directors recommends the request for proposals for audit services for the Authority for the period of 2019 – 2023.”

CARRIED

BD-19-22

Brown-Stark

“That the Authority's 2019 representative to Conservation Ontario will be the Authority Chair, the Vice Chair will be the first alternate and the General Manager be the second alternate.”

CARRIED

Forestry Reserve:

- Questions regarding the intent of the restricted Forestry Reserve have been raised over the last year at multiple Board meetings
- As stated in the Audited Financial Statements - This reserve has been set aside to assist the Authority's forestry program with certain restrictions for its use
- The Reserve predates digital records and we will be reviewing hard copy files stored off site and will provide a report to the April meeting of the Board of Directors

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 (MNR) 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
- It is anticipated that the Provincial Government will be bringing forward their 2019 budget over the next few weeks and that channels of communication may flow more readily as we move toward spring

Staffing / Organization Update:

- With four retirements over the last 18 months and two more staff that have moved to pre-retirement part time, several staffing changes have occurred
- Further, at this opportune time we have made some changes to the organization structure to better reflect the division of responsibilities and, as per our Succession Plan, we are continuing to challenge staff to fulfill leadership roles as we look toward the future
- The following page provides Organizational Structure for staff of the St. Clair Region Conservation Authority as of February 15, 2019

BD-19-23

Kennes-MacKinnon

“That the Board of Directors acknowledges the General Manager’s report dated February 18, 2019.”

CARRIED

Current Watershed Conditions:

- The mid-winter months have been influenced significantly by major swings in temperature and precipitation due to the movement of the “Polar Vortex” bringing periods of extreme cold temperatures with extensive lake effect snow often followed by periods of thaw notably in late January and the first and second weeks of February
- River levels rose considerably during a warmer temperature period melting snowpack in conjunction with a rain resulting in a Water Safety bulletin (Feb 4th); a Flood Outlook (Feb 5); and a Flood Watch (Feb 6th). As levels increased large amounts of ice on the watercourses were released increasing flows over several days.
- While moving ice restricted some outflow, no major ice jamming was experienced on the Sydenham at this time however, colder temperatures may again freeze ice in place into the month of February
- As mentioned, warmer periods brought precipitation in the form of rain and freezing rain conditions. Total accumulations for January remained at or in some cases below normal. (Note: all types of precipitation are identified and converted to a total volume for the purpose of monthly comparison regardless of season)
- Subsequently the three and six month averages were down and while the annual numbers remain slightly above average 104.7%

Weather Conditions and Forecast:

(Note: Some meteorological data not available due to the US government shut down and the lack of NOAA information, so other models were used to formulate the forecast)

ENSO (El Nino Southern Oscillation)

- El Nino peak came around November/December, since then it has been dropping but is expected to stop dropping soon, possibly close to a positive neutral
- However, ENSO predictions forecasting a recovery back into deeper El Nino conditions, bringing possibly warmer than normal conditions

Comparative Years (years with similar ENSO conditions)

- February: 2010, 1969; Overall Winter Conditions: 2018/2019 2009/2010, 2004/2005; Spring: 1969, 2010, 1990

February

- Temperatures expected to be normal, with slight colder than normal areas (confidence not high on this forecast)
- American forecasts indicate everywhere is colder than normal but other models, including Canadian model, say warmer than normal everywhere (but this model has warmer than normal bias all the time);
- Expect storm tracks to bring precipitation into the province with southwestern Ontario getting higher than normal precipitation.

March

- Seasonal to cooler than normal temperatures, but other models saying warmer than normal
- Precipitation expected to be seasonal to above normal precipitation
- March basically expected to be a 'typical' March

April

- American model calling for warmer than seasonal, but only by 0.5 a degree
- Precipitation forecasted to be seasonal (American model), but Canadian model saying drier than normal.

Current Snow Conditions

Significant amounts of snowpack has been released in SW Ontario in first part of February but may be replaced considering it is still the winter season. By comparison, reported figures by MNRF for the first part of February 2018 compared to the same period in 2019 illustrate the change from year to year.

Lake Ice Conditions

- Lake ice conditions are very similar to last year with varied amounts of thickness across Lake Huron with some central areas of open water. This condition continues to result in some lake effect snow but less than earlier in January with reduced open water.

Flood Threat

With several bulletins issued and the potential high water conditions prevailing, any significant rainfall or snowmelt may result in over-bank conditions throughout the watershed. Since we are moving into the freshet period, we continue to monitor water levels carefully. Advisories will be issued as needed from our Flood Management Office.

Great Lakes Levels:

December Lake Huron lake level data (latest available as of this report) indicates a slight increase in overall monthly levels compared to last year by 4cm over December 2017. Lake St Clair and Lake Erie also show 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 however they do not exceed the all-time highest monthly values established in 1986.

Flood Action Committee

Every December staff review and update the St.Clair Flood and Ice Management Plan to ensure that meets the current standard criteria for risk management and emergency response for the coming year.

The water resources department held its annual meeting with the Flood Action Committee on January 10th, 2019, at the Wallaceburg municipal office. These meetings are an opportunity for staff from the Conservation Authority to sit with Wallaceburg representatives and discuss the Flood Warning and Ice Breaking Plans. This entails ensuring contact information is accurate, briefing members on emergency protocols and improvements to flood forecasting and management, and updating the committee on current watershed conditions and the winter outlook. The outcome of the meeting is revised editions of both Plans that would be used during a flood emergency, as well an agreement that that the Conservation Authority will provide continued collaborative coordinating of ice breaking operations.

BD-19-24

Marriott-Scott

“That the Board of Directors acknowledges the report dated February 11, 2019 regarding current watershed conditions and Great Lakes water levels.”

CARRIED

- A budget of \$350,000 has been confirmed for the project (St. Clair Township)

\$250,000; Carry forward - \$80,000, GLCGF-\$20,000.

- Tenders were advertised for this phase of the project during the week of January 8, 2019
- Tenders closed on 22 January, 2019
- Staff have obtained MNRF and DFO for permits
- Construction is expected to start February 2019
- Errors were noticed in the Tender submitted by DiCocco Contractors and the corrected final price was \$316,779.36
- The lowest bid was submitted by Murray Mills Excavating and Trucking at a total price of \$290,945.72 +H.S.T
- Tender has been awarded to Murray Mills Excavating and Trucking

Tender Results are provided below:

Courtright Waterfront Park Shoreline Improvements – Phase 2

January 22, 2019

2:05 p.m.

St. Clair Region Conservation Authority Administrative Offices

Firm's Name	Tender Deposit	Agree to Bond	Tender Price
Murray Mills Excavating & Trucking (Sarnia) Ltd.	✓	✓	\$290,245.62
St. Clair Mechanical	✓	✓	\$487,467.31
Dicocco Contractors and Engineers	✓	✓	\$223,067.90
Brandon Contractors	✓	✓	\$396,770.12
R. Russell Construction	-	-	-

BD-19-25

Miller-Schenk

“That the Board of Directors acknowledges the report dated February 16, 2018 on Phase 2 of the Courtright Park Shoreline Revitalization Project.”

CARRIED

The Planning Activity Summary Report dated February 11, 2019 for the period from November 1, 2018 to January 31, 2019 was reviewed.

BD-19-26

Nemcek-Westgate

“That the Board of Directors acknowledges the St. Clair Region Conservation Authority’s monthly Planning Activity Summary Report, dated February 11, 2019 for the period from November 1, 2018 to January 31, 2019.”

CARRIED

The Regulations Activity Summary Report dated February 7, 2019 on “Development, Interference with Wetlands & Alterations to Shorelines & Watercourses” Regulations (Ontario Regulation 171/06) from November 1, 2018 to January 31, 2019 were reviewed.

BD-19-27

Stark-Burrell

“That the Board of Directors acknowledges and concurs with the Regulations Activity Summary Report dated February 7, 2019 on "Development, Interference with Wetlands & Alterations to Shorelines & Watercourses” Regulations (Ontario Regulation 171/06) from November 1, 2018 to January 31, 2019.”

CARRIED

A.W. Campbell Maple Syrup Festival

Date: Saturday, March 16 to Sunday, March 17, 2019

Time: 10:00 a.m. to 3:00 p.m.

Location: A.W. Campbell Conservation Area

Sydenham River Canoe and Kayak Race

Date: Sunday, April 28, 2019

Registration: 10:00 a.m. to 11:00 a.m.

Start Location: Mossie Line at Sydenham River

End Location: Shetland Conservation Area

Denning’s Strathroy Memorial Forest Dedication

Date: Sunday, May 26, 2019 (Tentative)

Time: 2:00 p.m.

Location: Centennial Park, Strathroy

Project Tour

Date: Thursday, June 27, 2019

Time: 10:00 a.m.

Location: Warwick Conservation Area

Great Canadian Shoreline Clean-up – Ipperwash Beach

Date: To be determined

Time: 9:00 a.m. to 11:00 a.m.

Location: Centre Ipperwash Beach Boat Launch

Denning’s Chatham-Kent and West Elgin Memorial

Date: Sunday, September 15, 2019 (Tentative)

Time: 2:00 p.m.

Location: Keith McLean Conservation Lands

A Geocaching Adventure

Date: Sunday, September 15, 2019

Time: 9:00 a.m.

Location: Lorne C. Henderson Conservation Area

Foundation Memorial Forest Dedication

Date: Sunday, September 22, 2019

Time: 2:00 p.m.

Location: Lorne C. Henderson Conservation Area

BD-19-28

Miller-Brown

“That the Board of Directors acknowledges the schedule of Special Events outlined in the attached flyer.”

CARRIED

Staff have applied for the following grants:

Department of Fisheries and Oceans – Aquatic Habitat Stewardship Program - \$140,000/year for 3 years

EcoAction - \$78,000 for stewardship and educational outreach in the St. Clair Region.

Habitat Stewardship Program 2018-2019

Over \$200,000 in grants were provided this fiscal year to landowners in our region for stewardship projects including tree planting (nearly 45,000 and over 18 ha land retired to trees) and 9.5 ha wetlands.

Lambton Soil & Crop Improvement Association Annual General Meeting January 11, 2019

SCRCA Chair Steve Arnold presented David Williams with this year's Outstanding Farmer of the Year Award. The CA booth was at the front of the room and just below the new presenting screen (at the Brooke-Alvinston-Inwood Community Centre), so every participant had a good view of our booth all day! Staff spoke in front of the crowd of 150 farmers and agriculture reps encouraging uptake of BMPs, including signing up for our Tree Planting Program.

Upcoming events:

Ducks Unlimited Canada Strathroy Chapter Fundraising Event – March 30, staff will attend, network and provide a short presentation highlighting the great partnership SCRCA has with DUC and past wetland projects in the Headwaters of the East Branch of the Sydenham River.

BD-19-29

MacKinnon-Burrell

“That the Board of Directors acknowledges the status report dated February 6, 2019, regarding Healthy Watersheds Program updates.”

CARRIED

The goal of the “St. Clair Recovery Project” was to restore 20 acres of wetlands and uplands along Hardy Creek, in the St Clair Region, to help enhance habitat for at risk, reptile species and engage local students on related issues.

Strategic Objectives(s):

This project relates to SCRCA’s goal to “Protect, manage, and restore our natural systems”

Financial Impact:

Great Lakes Guardian Community Fund provided \$25,000 to SCRCA to complete this project.

As part of Ontario’s Great Lakes Strategy and to support the Great Lakes Protection Act, the Great Lakes Guardian Community Fund (GLGCF) was set up to help people take action to protect and restore their corner of the Great Lakes.

Since it launched in 2012, the Great Lakes Guardian Community Fund has awarded \$7.5 million to 375 community-based projects, which supported more than 37,000 volunteers to plant over 285,000 trees and shrubs, release over 800,000 fish, create or enhance 760 kilometres of trail and collect over 2,800 bags of garbage.

In 2018/19, “St. Clair Recovery Project” was one of the two SCRCA projects supported by Great Lake Guardian Fund. The Fund has supported a number of projects coordinated by SCRCA and its partners. Other projects of note include:

- 2018/19 - \$25,000 Courtright Shoreline Restoration
- 2016/17 - \$24,995 Lambton Shores Coastal Wetland Restoration
- 2015/16 - \$24,725 Lambton Shores Coastal Wetland Restoration
- 2012/13 - \$21,915 Talfourd Creek Restoration Monitoring and Education Program

Outdoor Education and Outreach

One of the objectives of “St. Clair Recovery Project” was to provide education and outreach relating to Great Lakes restoration. This component of the project included a handful of outdoor education programs delivered by Educators and Biologists who worked together to develop age appropriate hands-on material with linkages to school curriculum. Some students got into the creek and learn about how these habitats support sensitive species. They also helped evaluate stream health by investigating the benthic macro-invertebrates, fish and mussels.

In October 2018, about 150 elementary school students participated in “River Day”. The whole school visited the river where they learned about aquatic monitoring

including fish identification, monitoring gear, freshwater mussel identification, and monitoring techniques. Students learned about the importance of the Great Lakes as a freshwater resource which provides drinking water, recreation opportunities, tourism, and supports a fishery. Water cycle, wetlands, lakes and rivers were also a focus of the day.

Hardy Creek Habitat Restoration

A stewardship project at the Ikert's property involved the retirement of 23.86 acres (9.66 ha) of a 57-acre (23 ha) pasture on Hardy Creek. This area has had wetlands created and lands allocated for 2,180 seedlings this spring. The landowner has fenced the areas where restoration work has taken place to ensure cattle do not impact the wetlands and treed areas. Excited with these developments, the landowner agreed to retire an additional 2.1 ac (0.85 ha) of active farmland to trees. This land retirement will see an additional 1,700 trees planted.

The "St. Clair Recovery Project" also supported components of SCRCA reptile at risk program which has been featured in the September Board Package, Item 10.3.

BD-19-30

Wilkins-Scott

"That the Board of Directors acknowledges the summary report dated January 11, 2019, on the Great Lakes Guardian Community Fund 'St. Clair Recovery Project'."
CARRIED

Phosphorus loading into local waterways by municipal, commercial, industrial, and agricultural sources is of concern in the Great Lakes basin as excessive levels of this nutrient severely degrade the health of the aquatic environment. Through funding from Environment and Climate Change Canada (ECCC), the St. Clair Region Conservation Authority (SCRCA) is coordinating the creation of a Phosphorus Management Plan for the Sydenham River Watershed by engaging and seeking input from local stakeholders. ECCC 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)". This will be the classification used in the Management Plan. The objective of the Management Plan is to better understand the sources, movement, and loads of phosphorus in the Sydenham River Watershed and determine measures that can be taken to lessen the impacts of these sources to the receiving water bodies.

ECCC has provided funding to the SCRCA for 2018-2019 with possibility of extension for three more years (April 2019 to March 2022).

Objectives:

The anticipated outcomes of developing the Management Plan are:

- A summary of the water quality and quantity, natural heritage, soils, land uses, and nutrient sources in the Sydenham River Watershed;

- A summary of gaps in knowledge and data that need to be addressed as well as steps to address those gaps (e.g., identify areas that require monitoring);
- An evaluation of rural and urban Best Management Practices (BMPs) and areas in the watershed where implementation will have the greatest impact to water quality;
- Engagement and outreach strategies based on an assessment of awareness among stakeholders, strategies to increase uptake of BMP implementation.

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 Plan Outline to submit to ECCC based on input from stakeholders and available data;
- Commence literature reviews on Best Management Practices (BMPs).

Although the focus is on the Sydenham Watershed, staff plan to involve all 17 of our member municipalities (through technical staff like drainage superintendents, wastewater treatment operators, etc.) from the beginning. Fourteen of 17 member municipalities have jurisdiction in the Sydenham River Watershed.

Through early engagement in the process, stakeholders will direct the development of the Management Plan by providing input on the potential sources of phosphorus, contributing factors, and solutions. By taking this communal approach, the goal is stakeholder buy-in that will lead to a collective effort to address local phosphorus issues and engagement of the larger community.

November 2018 Stakeholder Meeting:

On November 27, 2018, staff hosted an introductory stakeholder meeting at the Warwick Community Centre and invited an array of people from governments, First Nations, private sectors, community groups, and interested landowners to participate – 65 people attended the meeting. Participants that day represented:

- **Municipalities/First Nations:** City of Sarnia, Dover Township; Municipality of Brooke-Alvinston; Municipality of Chatham-Kent; Municipality of Lambton Shores; Municipality of Southwest Middlesex; Town of Plympton-Wyoming; Township of Adelaide-Metcalf; Township of Dawn-Euphemia; Township of Enniskillen; Township of Middlesex Centre; Township of Strathroy-Caradoc; Township of St. Clair; Township of Warwick; Village of Newbury; Aamjiwnaang First Nation;
- **Counties:** County of Lambton; Middlesex County; **Provincial/Federal Government:** Agriculture and Agri-Food Canada; Environment and Climate Change Canada; Ministry of Agriculture, Food, & Rural Affairs; Ministry of Environment, Conservation & Parks;
- **Non-profit organizations:** Ontario Soil & Crop Improvement Association – St. Clair Region; Rural Lambton Stewardship Network; Ontario NativeScape;

- Thames River Phosphorus Reduction Collaborative; Ducks Unlimited Canada;
- **Agricultural Sector:** AGRIS Co-operative; Wanstead Farmers Co-operative; Beef Farmers of Ontario – Kent Chapter;
 - **Wastewater Sector:** Jacobs CH2M;
 - **Educational Institutions:** Lambton College;
 - **Community Groups:** Sydenham Field Naturalists; Lambton Wildlife;
 - **Conservation Authorities:** Grand River Conservation Authority; Upper Thames River Conservation Authority; Ausable Bayfield Conservation Authority; and St. Clair Conservation Authority.

The day began with a welcome and introduction from Brian McDougall (General Manager, SCRCA) and Steve Arnold, (Mayor of St. Clair Township, SCRCA Board Chair).

Brad Bass (Researcher, Environment and Climate Change Canada) shared information on the nutrient status of Lake Erie. Erin Carroll (Director of Biology, SCRCA) updated stakeholders on the known status of the Sydenham River Watershed. The SCRCA invited Sandra Cooke, the Senior Water Quality Supervisor from Grand River Conservation Authority to highlight opportunities and lessons learned from their recently completed *Grand River Watershed Water Management Plan*. Jessica Van Zwol (Healthy Watershed Specialist, SCRCA), Darrell Randell (Project Coordinator, Ducks Unlimited), and Dale Cowan (Senior Agronomist, AGRIS Co-op Ltd), highlighted phosphorus mitigation programs and actions rural landowners and farmers are implementing to reduce phosphorus losses on their properties. Imtiaz Shah (Environmental Engineer, Upper Thames River Conservation Authority) and Pamela Joose (Senior Soil and Nutrient Management Specialist, Science and Technology Branch, Agriculture and Agri-food Canada) shared information regarding recent phosphorus loading modelling projects and results of watershed characterizations using remote sensing and sustainability metrics to document agriculture's contributions to phosphorus losses and reductions.

After lunch, participants were led by Sarah Hodgkiss (Planning Ecologist, SCRCA) through a brainstorming discussion that enabled participants to contribute ideas on potential threats and stresses impacting the Sydenham River Watershed related to phosphorus. Over 260 ideas were recorded concerning contributing factors/indirect threats, stressors, potential threats, and potential actions – these ideas will be used as the basis for forming the Plan Outline.

Finally, meeting participants were requested to fill in a survey seeking available data and commitment to future Working Groups.

Working Groups and the Advisory Committee:

Staff are currently assembling the Working Groups under the categories: Non-Point Source and Point Source. The Working Groups will be made up of different levels of government, First Nations, sectors, community groups, and interested landowners. The Groups will discuss and investigate potential threats, contributing factors, and solutions that will be used in the development of the Plan. The Working Groups will receive guidance from an Advisory Committee and a small Water Quality Technical Team of

specialists will also be formed to complete the data analysis required for the Management Plan.

The Working Groups will have their initial meetings on March 7th. The goal is for each Working Group to meet 3-4 times a year within the watershed.

Board Member Involvement:

The two Working Groups will each need one SCRCA Board Member to contribute to the development of the Management Plan. The two Members will also sit on the Advisory Committee.

BD-19-31

Kennes-Burrell

“That the Board of Directors acknowledges the update on the Sydenham River Phosphorus Management Plan dated February, 2019.”

CARRIED

Under New Business, a matter was brought forth by Kevin Marriott regarding Petrolia resident Heather Sharp at 426 Chestnut Street, who was issued notice of violation by SCRCA for works undertaken without a permit. SCRCA staff have given the option to apply for the required permit after the fact with an imposed doubled fee penalty for the violation and have noted additional repairs required under the conditions of the permit.

The resident expressed that they were not aware of the need for a permit and states they were visited by SCRCA staff who confirmed this. SCRCA staff do not have record of the said visit. The resident is requesting that the penalty fee be waived.

BD-19-32

Marriott-Burrell

“That the Board of Directors accepts the request for a reduction of fees regarding the application from Heather Sharp at the property located at 426 Chestnut Street in Petrolia.”

DEFEATED

BD-19-33

Brennan-MacKinnon

“That the Board of Directors directs staff to impose the penalty fee in reference to the application from Heather Sharp at the property located at 426 Chestnut Street and agrees to grant a rebate of the penalty portion of the fees upon the completion of all required work under the conditions of the permit. “

CARRIED

BD-19-34
Scott-MacKinnon
“That the meeting be adjourned.”

CARRIED

A handwritten signature in black ink, appearing to read "B. McDougall", written in a cursive style.

Joe Faas
Chair

Brian McDougall
General Manager

Meeting Date: April 18, 2019 **Item 5.1**
Report Date: April 8, 2019
Submitted by: Brian McDougall

Subject: General Manager's Report

Recommendation:

That this report be accepted as an update.

Modernizing Conservation Authority Operations:

- ❖ On April 4th, a webinar confirmed the following postings to the Environmental Registry from the Ministries of Environment, Conservation & Parks and Ministry of Natural Resources & Forestry
- ❖ The posting were made on April 5th
- ❖ The Province of Ontario has identified several key issues with CA operations
 - Lack of transparency
 - Municipalities concerns regarding costs to fund CAs
 - Lack of direct municipal control over CA budgets
 - The Commission on the Reform on Ontario's Public Services (2012) identified a state of confusion for industry, developers and citizens resulting from "jurisdictional crowding" in agencies and governments – need to eliminate duplication
 - Ontario's Auditor General's special report of Niagara Peninsula Conservation Authority made key recommendations to Ontario: clarify board member's accountability, board training and mechanisms for Ministry intervention
- ❖ The Ministry of Environment, Conservation and Parks with the Ministry of Natural Resources and Forestry is proposing to amend the Conservation Authorities Act to:
 - Define the core mandatory programs and services offered by CAs: natural hazard protection and management, conservation and management of CA lands and drinking water source protection
 - Increase transparency in how CAs levy municipalities for mandatory and non-mandatory programs and services
 - Update the CA Act to conform with modern transparency standards by ensuring that municipalities and CAs review levies for non core programs after a certain period of time (e.g. 4 to 8 years)

- Establish a transition period (18-24 months) and process for CAs and municipalities to enter into agreement for the delivery of non-mandatory programs and services and meet the required transparency requirements
- Enable the Minister to appoint an investigator to investigate or undertake an audit and report on a CA
- Clarify that the duty of CA Board Members is to act in the best interest of the CA, similar to not-for-profit organizations
- ❖ Focusing on Conservation Authority Development Permits on the Protection of People and Property, the Ministry of Natural Resources and Forestry is also proposing to:
 - Update definitions to align with the natural hazard management intent of the regulation
 - Clarify restrictions around wetlands that do not help mitigate risks of flooding
 - Exempt low risk development activities from requiring a permit
 - Allow CAs to exempt low-risk development activities from requiring a permit within CA permitting policies
 - Require CAs to develop, consult on, make available and periodically review permitting policies
 - Require CAs to notify the public of changes to regulated areas (e.g. floodplains or wetland boundary expansions)
 - Require CAs to establish, monitor and report on service delivery standards (e.g. timelines for confirm complete applications and permit decisions)
 - As stated in the Audited Financial Statements - This reserve has been set aside to assist the Authority's forestry program with certain restrictions for its use
- ❖ Therefore
 - 45-Day posting of proposed Conservation Authorities Act amendments on the Environmental Registry which was posted on April 5
 - 45-Day posting of proposal on the Regulatory and Environmental Registries to focus CA development permits on the protection of people and property which was also posted on April 5
 - Further plans for the spring & summer 2019 include development and consultation on a suite of regulatory and policy proposals to support the proposed amendments to and proclamation of un-proclaimed provisions of the Conservation Authorities Act
- ❖ Next steps:
 - Authority staff will be reviewing the posting, seeking additional input and preparing a draft response to the postings

- As it is important that the Authority respond directly to these postings, our policies require that the response receives Board approval prior to submission
- A plan to obtain this permission will be discussed at the meeting
- This report, written 5 days after the report at Item 6.2, will likely require some of the information to be incorporated into both Environmental Registry responses and Conservation Ontario communication to the Ministry of Municipal Affairs and Housing regarding the Housing Supply Action Plan

Notes of Thanks:

- ❖ Two notes of thanks are attached, related to the Authority's Annual General Meeting
- ❖ Lambton Shores Phragmites Community Group provided their appreciation for being recognized for the Conservation Award
- ❖ Tracy Kingston, St. Clair Township Councillor expressed her thanks for the invitation to the meeting

^a
Very Special
Thank you

March 4, 2019

Dear Brian, SBCA staff and Board of Directors,

On behalf of the Lambton Shores
Phragmites Community Group,

I would like to express our
sincere appreciation for being
recognized as a recipient of
the St. Clair Region Conservation
Authority Conservation Award at
the Annual Meeting February 28th.

Being honoured this way sparks
the energy to keep us moving forward
to reach our goal of a "Phragmites Free Municipality."

We are very fortunate to have SBCA as a
partner and appreciate all of the support we
have had over the past six years from your
dedicated staff.

...With
Sincere
Appreciation

☺

Sincerely,
Nancy



March 1, 2019

To the Board & Staff:

Just a quick note to thank you for the tasty lunch & invitation to your AGM.

It was a good meeting and very enlightening & informative.

Congratulations to the new Board and I wish you all the best in the upcoming year.

Thank you for all the great work you do to keep our environment safe.

Sincerely,

Tracy Kingston, Councillor -
St Clair Township.

Meeting Date: April 18, 2019
Report Date: April 3, 2019
Submitted by: Brian McDougall

Item 6.2

Subject: Meeting Provincial Priorities for Reducing Regulatory Burden

Purpose:

To seek endorsement of the Board of Directors of St. Clair Region Conservation Authority for staff to pursue streamlining and client service measures to contribute to provincial priorities for housing supply

Background:

In June of 2018 a new government was elected and moved quickly to implement the *Plan for the People* platform which included promises to:

- “Cut red tape and stifling regulations that are crippling job creation and growth, and
- ...single-window access for approvals with a hard one-year deadline”

Since that time the government has introduced a number of consultations, draft proposals and proposed amendments to legislation in support of their agenda.

Made in Ontario Environment Plan

The Ministry of Environment, Conservation and Parks released the *Preserving and Protecting our Environment for Future Generations: A Made-in-Ontario Environment Plan (2018)* that affirmed support for conservation and environmental planning and specifically mentioned that they would:

- “work in collaboration with municipalities and stakeholders to ensure that conservation authorities focus and deliver on their core mandate of protecting people and property from flooding and other natural hazards and conserving natural resources”.

Housing Supply Action Plan

The Ministry of Municipal Affairs and Housing has initiated consultations on a *Housing Supply Action Plan* with the purpose to increase supply and streamline the development approval process. The Ministry is also reviewing the *Planning Act* and the *Provincial Policy Statement* to ensure that the land use planning and development approvals process is aligned with their goal.

Concerns About CAs

Conservation authorities (CAs) in Ontario are part of the planning and development approvals process as we implement our mandate. Concerns have been expressed that

conservation authorities “need to stick to their mandate” and that they present a “significant barrier” to timely development approvals. Many of these concerns arise in the Greater Toronto Area where land development is complex, and demands are high, however, it is also very relevant to other areas in the province where development is occurring.

CAs have acknowledged that we can always improve our processes and relationships with the many stakeholders that we interact with. In 2007 Conservation Ontario and CAs participated with the Ontario Home Builders Association (OHBA) and the Building Industry and Land Development Association (BILD) along with municipalities, the province and other stakeholders as members of the Conservation Authority Liaison Committee (CALC). In 2010, the Ministry of Natural Resources and Forestry (MNRF) and Ministry of Municipal Affairs and Housing (MMAH) approved the *Policies and Procedures for Conservation Authority Plan Review and Permitting Activities* that would form part of MNRF’s Policies and Procedures Manual. Conservation Ontario provided training in 2012 and 2014 to assist CAs in implementing the best practices laid out in this document. Each CA was encouraged to prepare publicly available policies and procedures to ensure transparency and outline expectations to stakeholders including review and permitting timelines and fees. All of St. Clair Region CA’s policies, guidelines and mapping are available to our clients and staff work to adhere to the review and permitting timelines as determined through the CALC process.

It is imperative that conservation authorities engage in the conversation about our very important role in land use planning and development approvals as well as helping the new government understand our mandate and the relationships we have with our municipalities.

Analysis:

Conservation Ontario (CO) retained Strategy Corp to provide insights and advice on working with the new government. Through this process a number of General Managers volunteered to establish a small CO working group to work with CO to identify recommendations for solutions that will address the issues identified by the government around the housing supply while still protecting natural hazards management and plan review activities required to protect the health and safety of Ontario’s watersheds and residents.

Conservation Authority Mandate

The CO working group discussed clarifying and restating our mandate as supported by the recent update to the *Conservation Authorities Act (2017)* and as described in the province’s *Made in Ontario Environment Plan*:

“The core mandate of conservation authorities is to undertake watershed-based programs to protect people and property from flooding and other natural hazards, and to conserve natural resources for economic, social and environmental benefits”.

This has always been the purpose of CAs and now, more than ever, it is necessary to have organizations like this on the ground and being able to work at the right scale to protect and manage natural resources. Our monitoring, identification of issues and appropriate mitigation measures, helps our communities to be able to respond to climate change and increase their resiliency. Further, as the federal and provincial governments restrict their activities more to policy related activities there is a gap in capacity to address local environmental issues.

The following excerpt from a Conservation Ontario briefing note to the province identifies that:

“Conservation authorities are a cost-effective mechanism for the Province and municipalities for the delivery of objectives under the Provincial Policy Statement (PPS)

- In addition to acting as a commenting agency on behalf of the Province with regard to natural hazards, conservation authorities also act as regulators. Additionally, conservation authorities act as technical advisors for municipalities in the review of planning applications, and, as source protection authorities under the Clean Water Act supporting policy implementation.
- Conservation authorities ensure that applicants and municipal planning authorities are aware of regulations and requirements as well as assist in the coordination of applications under the Planning Act and the Conservation Authorities Act. The focus is to eliminate unnecessary delay or duplication in the process as it relates to protecting public health and safety from natural hazards, now and into the future.
- Conservation authorities, through the provision of advice from watershed-based science, enable municipalities to cost effectively consider in their decision-making other PPS considerations such as ‘wise use and management of resources’ and stormwater.”

Streamlining Conservation Authority Activities

The CO working group has been evaluating ways that CAs can streamline approval activities and “reduce red tape” in order to help the province address the lack of housing supply. It is recognized that we need to identify the **outcomes** that the province and our municipalities need and review and **modify our processes** to ensure the **best solutions**.

The CO working group developed the following three key solutions that we will work on with the development and construction community and municipalities. Through these activities we will also identify any other specific concerns to be addressed.

1. Improve Client Service and Accountability

- Provide client service training and establish client service standards implementing activities such as one point of contact for applications, and template guidelines for policies, processes, and, CA/Municipal MOUs that have clear deadlines for the different plan review services. (SCRCA has established on point of contact and has increased focus on communication with the

applicant)(SCRCA is working with our Board of Directors to develop a Planning Policy Procedural Manual and Technical Guidelines to provide information on deadlines, requirement and processes to ensure that clients have a transparent understanding)

- Our commitment to timely approvals will be reported on annually. (SCRCA provides reporting on time from completed application to approval at each Board meeting)
- Initially, focus efforts on conservation authorities with high growth areas (GGHG/GTA and other parts of the province) where housing supply is needed immediately.

2. Increase speed of approvals

- Assess current application review/approval timelines, identifying problem areas where timelines are not being met and developing solutions to meet timelines.
- Establish timelines that match the complexity of development applications (e.g. simple and complete applications can be processed more quickly).

3. Reduce “red tape” and regulatory burden

- Examine where conservation authorities can improve or change our processes to speed up or simplify permitting in hazard areas.
- Explore additional legislative or regulatory amendments to achieve increased housing supply and decreased approval timeframes.

Work Underway Among CAs

Some of these activities have already been started with the CO Section 28 Regulations Committee meeting over the past six months to identify potential streamlining options that can be implemented immediately.

We too experience issues with other regulatory or planning processes that influence our ability to complete our work. We have identified several of these including the opportunity to revisit recent changes to the *Safe Drinking Water Act (O. Reg 205/18)* and streamlining of approvals under the *Endangered Species Act*.

There is always more we can do and St. Clair Region CA is committed to ensuring that we deliver our mandate while working with clients efficiently and effectively. St. Clair Region CA intends to embrace the key actions identified by the CO working group and develop additional actions based on internal discussions.

Communications Plan:

St. Clair Region CA will communicate with our stakeholders any changes to our processes regarding planning and permitting to ensure a smooth transition.

Financial Implications:

Authority programs are intended to be operated on a cost recovery basis. User fees and municipal levies provide revenues to the program and both are established annually by the Board of Directors. As previously presented to the Board of Directors, increases in fees and levy are assisting in bringing revenues up towards expenditures but at this time still appear to be falling short of cost recovery.

Conclusion:

The province is seeking to streamline planning and development approvals to facilitate the housing supply. CAs have a role to play in examining our processes for plan review and permitting and St. Clair Region CA is committed to continuous improvement. This report outlines three areas for immediate action that we are seeking board endorsement to implement.

Recommended Resolution:

WHEREAS the provincial government intends to increase the supply of housing and streamline the land use planning and development approval process to achieve this goal; and

WHEREAS the Conservation Authorities play an important role in the planning and development review process with respect to watershed protection and hazard lands; and

WHEREAS Conservation Authorities support and can help deliver the Government's objective not to jeopardize public health and safety or the environment;

THEREFORE BE IT RESOLVED THAT the Board of Directors endorse the three key solutions developed by the Conservation Ontario working group: to improve client service and accountability; increase speed of approvals; and, reduce "red tape" and regulatory burden; and

THAT staff be directed to work with Conservation Ontario and our clients to identify additional improvements; and further

THAT staff be directed to implement these solutions as soon as possible.

Meeting Date: April 18, 2019 **Item 7.1**
Report Date: April 1, 2018
Submitted by: Ashley Fletcher

Subject: Business Arising

Recommendation:

That the Board of Directors acknowledges the updates on business arising from the February 28, 2019 meeting.

Regarding BD-18-149

- A request was made that Erin Carroll, Manager of Biology, meet with staff from the Municipality of Chatham-Kent to further discuss Species At Risk Legislation in respect the drainage works. The Board of Directors also requests a report outlining their discussion and outcomes. A report will be submitted in 2019.
 - Authority staff have left multiple message with Chatham-Kent staff regarding a meeting to discuss Species At Risk legislation without reply
 - On April 2nd, Authority staff met with Chatham-Kent municipal drainage superintendents and managers to discuss the Authorities drain enclosure policy and to confirm fees
 - Several points at issue were clarified, while some remain to be clarified
 - A request was made to the Authority Chair and staff that the policy be reviewed in order to provide additional clarity with specific regard to enclosures on pumped drains and drains with near zero fall
 - Correspondence is being drafted to Chatham-Kent to confirm the justification behind fees
 - Authority staff are proposing to undertake a discussion on the policy and to draft an accompanying document that will provide further clarity with regards to the policy and that this document and the review be brought to the Board of Directors as a report at the September meeting (especially in light of the Environmental Registry posting described in 5.1)

Regarding BD-18-198

- A request was made for a report on parking fees at Highland Glen
 - Please refer to agenda item 8.2

Meeting Date: April 18, 2019
Report Date: March 30, 2019
Submitted by: Greg Wilcox

Item 8.1

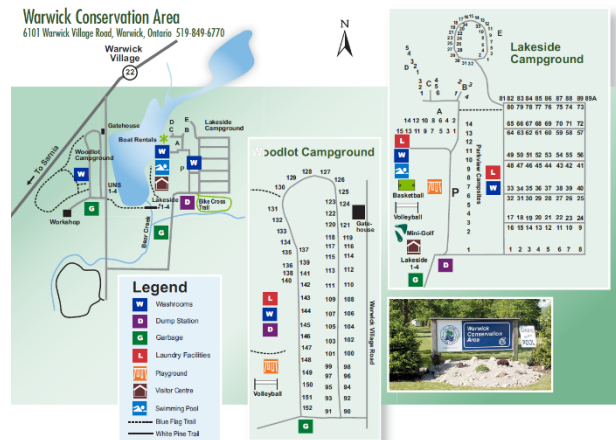
Subject: Conservation Areas Report

Recommendation:

That the Board of Directors acknowledges the Conservation Areas report dated March 30, 2019.

Background:

- The Conservation Authority owns 15 conservation areas
- Six are managed by the local municipality and 9 are operated by the Conservation Authority
- Three of the nine CA's operated by SCRCA are regional campgrounds offering seasonal camping, overnight camping, and day use opportunities
- Combined, the three campgrounds have over 500 campsites, 420 of these are occupied by seasonal campers
- Surplus revenues from our campgrounds are used to offset capital improvements
- The camping season in 2019 runs from April 26 to Thanksgiving Day



Warwick CA Map

Camping Statistics:

- Starting January 2nd we have accepted campsite reservations (overnight camping only) for our 3 regional campgrounds
- As of March 30th over 800 reservations have been taken, collecting \$108,502; compared to 839 reservations and \$109,000 collected in 2018 (HST adjusted)
- Seasonal sites will be filled to capacity at all 3 campgrounds; waiting lists are maintained to fill in vacancies as they become available

Campground Capital Upgrades 2019:

Warwick Conservation Area (\$29,000)

- Replacement of hydro panels
- Workshop door replaced
- Subsurface drainage improvements in day use area
- Replace eaves trough and downspouts on pool washroom building
- Upgrade roadways with gravel
- Install a new fishing platform/ dock

L.C. Henderson Conservation Area (\$24,500)

- Replacement of hydro panels
- Replace two 60 gallon hot water heaters
- Install solar pole light
- Purchase two portable washrooms
- Upgrade roadways with gravel

A.W. Campbell Conservation Area (\$20,000)

- Riprap protection for main creek crossing
- Building roof replacements (Pool building and A Group Camp pavilion)
- Replacement of hydro panel
- Purchase two portable washrooms
- Replace 2 chemical feed pumps for the water treatment system
- Upgrade roadways with gravel

All Campgrounds

- Campground septic study to review the existing systems, monitor usage, determine system lifespans, and recommendations for upgrades



New hydro panel



New steel roof on pavilion



Solar light installation

Meeting Date: April 18, 2019
Report Date: March 28, 2019
Submitted by: Greg Wilcox

Item 8.2

Subject: Highland Glen Conservation Area Day Use Fees

Recommendation:

That the Board of Directors acknowledges this report dated March 28, 2019 regarding Highland Glen Conservation Area day use fees.

Background:

- Highland Glen Conservation Area is located on Lakeshore Road in the Town of Plympton-Wyoming
- Has an access roadway, two parking lots, pavilion, beach access, picnic tables, and a boat ramp into Lake Huron
- This property can be extremely busy with boat and vehicle traffic during the spring fishing season and the summer
- Due to the regional usage of the area the Board of Directors designated it a Regional Conservation Area in 2000
- The boat ramp was constructed in 1986 and the seawall protection in 1990
- In 2016 it was determined that upgrades were required to meet public needs and ensure the longevity and safety of the facility
- At the June, 2016 Board of Directors meeting, a motion was passed by the Board directing staff to pursue options to implement user fees for the use of the boat ramp and Conservation Area
- Options considered include a staffed gatehouse to collect fees, a metered and controlled entrance, and the MacKay Pay system
- The MacKay Pay system was selected as the preferred option and in November of 2016 the Board of Directors passed the 2017 Proposed Conservation Area fee schedule



Highland Glen

Mackay Pay System:

The MacKay Pay system is an app that allows users to pay with their smart phone or through a toll free number. SCRCA is charged a transaction fee each time the service is used. This system was implemented to allow for the collection of fees without the expense of staffing the site. Staff are able to view a list of all vehicles which have paid for boat launch or parking passes while on site.

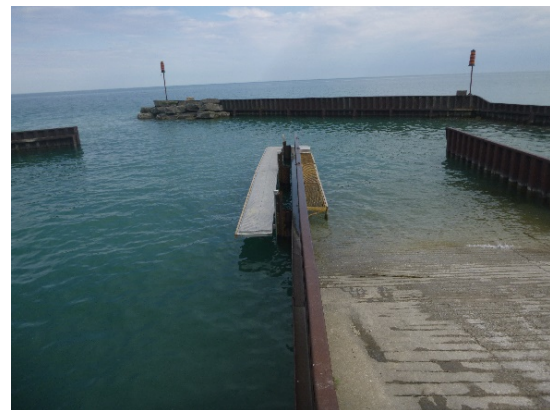
Highland Glen fees are as follows:

Day Use Parking	\$5.00
Season Parking Pass	\$60.00
Day Use Boat Launch	\$10.00
Season Boat Launch Pass	\$120.00



Capital Infrastructure Improvements 2017 & 2018

- Approximately 40ft of new walkway has been installed along one side of the boat ramp allowing for more than one boat to dock at a time (2017)
- The existing walkway was elevated in response to rising lake levels (2017)
- Approximately 84' of existing seawall was repaired (2017)
- Armour stone was re-positioned to provide better protection to the seawall (2017)
- Two LED solar marine beacon lights have been installed to guide boaters after dark (2017)
- Beach access points have been re-graded (2017)
- Entrance roadway gravel and grading (2017)



New walkway, on left side of boat ramp

- Approximately 60' of new walkway installed along the inside of the boat ramp (2018)
- One new beacon light installed on the outer seawall (2018)
- Welding repairs on a section of the south seawall (2018)
- A set of steel stairs installed to provide improved beach access (2018)



Armour stone seawall protection

Note: During times of lower water level, dredging is often required to keep the boat launch functional



60' of new walkway along inside of boat ramp

Financial Impact:

The following fees have been collected at Highland Glen.

2017 Fee Summary					
Fee Type	Fee (\$)	# Paid	Gross Total	Transaction Fees(\$0.35)	Net Revenue
Day Use Parking	\$5	89	\$445	\$31.15	\$413.85
Season Parking	\$60	9	\$540	\$3.15	\$536.85
Day Use Boat Ramp	\$10	270	\$2700	\$94.50	\$2605.50
Season Boat Ramp	\$120	66	\$7920	\$23.10	\$7896.90
Totals			\$11605	\$151.90	\$11453.10

2018 Fee Summary					
Fee Type	Fee (\$)	# Paid	Gross Total	Transaction Fees(\$0.35)	Net Revenue
Day Use Parking	\$5	207	\$1035	\$72.45	\$962.45
Season Parking	\$60	12	\$720	\$4.20	\$715.80
Day Use Boat Ramp	\$10	317	\$3170	\$110.95	\$3059.05
Season Boat Ramp	\$120	52	\$6240	\$18.20	\$6221.80
Totals			\$11165	\$205.80	\$10959.20

Funds raised from the fees will provide upgrades to the facilities at Highland Glen improving visitor experience. Surpluses will be allocated to Highland Glen Conservation Area Reserve to support future projects. In 2019, staff will create a Capital Improvement Plan for the property, addressing upgrades to infrastructure such as the boat ramp, access lane, parking surface, parking organization, and site amenities.

Meeting Date: April 18, 2019
Report Date: April 4, 2019
Submitted by: Emily De Cloet

Item 9.1

Subject: Watershed Conditions Report

Current Watershed Conditions

Lake Ice Conditions

Ice is still present along the eastern shoreline of Lake Huron, with noticeable buildup at Upperwash Beach, however thickness has greatly reduced with vast visible open water since the last update in February.

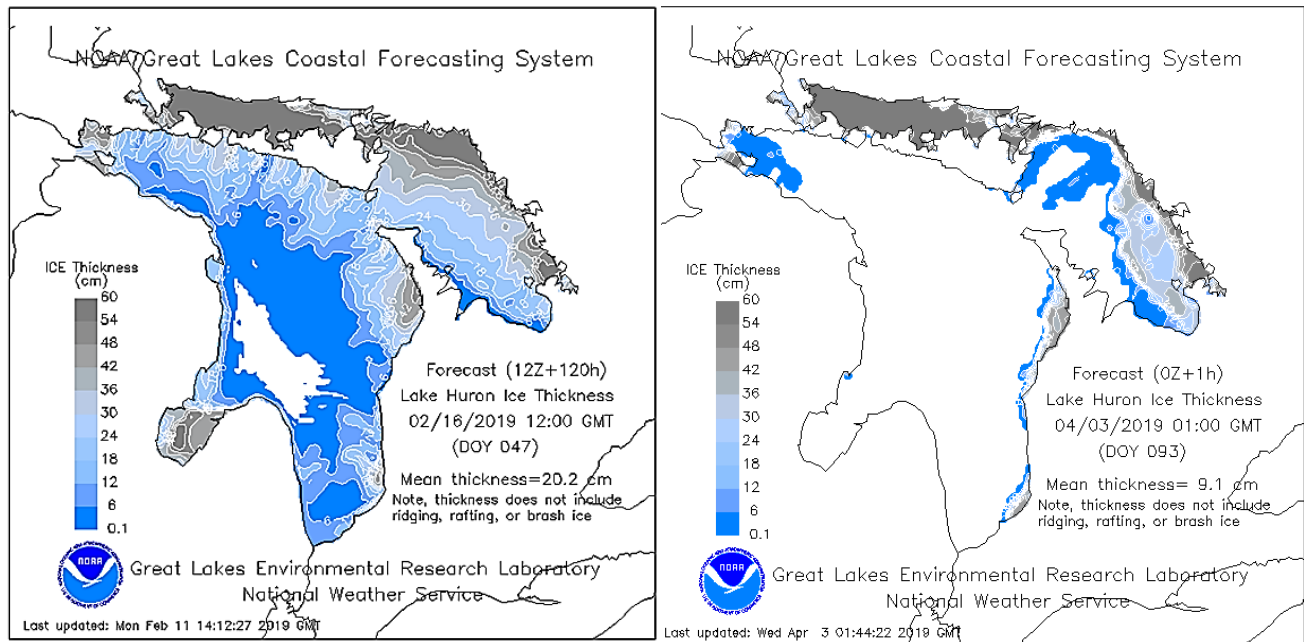


Figure 1: Comparison of ice thickness on Lake Huron from February 16, 2019 (left) to April 3, 2019 (right). Source: NOAA, 2019.

Precipitation Conditions

Table 1, below, outlines the precipitation received within the watershed and surrounding areas for the past year. Average totals for the past three and six months are slightly below normal, however average totals for the past year are par with normal precipitation patterns, with Strathroy showing particularly above normal precipitation for the past year.

Table 1: Precipitation totals compared to monthly normals.

Precipitation (mm)	Sarnia		Strathroy		London		Windsor		
	Last Quarter	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal
Jan	43.6	50.1	71.8	75.3	62.1	74.2	27.9	57.6	
Feb	55.3	47.7	82	61.1	92	60	27.1	57.3	
Mar	58.4	62.6	47.8	74.9	74.3	78.4	62.3	75	
Averages									
last 3 month totals	157.3	160.4	201.6	211.3	228.4	212.6	117.3	189.9	
last 3 month % of normal	98.1%		95.4%		107.4%		61.8%		
regional average	90.7%								
last 6 month totals	376.8	370.8	497.4	469	495.4	469.9	310.5	405	
last 6 month % of normal	101.6%		106.1%		105.4%		76.7%		
regional average	97.4%								
last 12 month totals	870.7	846.8	1082.4	945.1	971.2	987	811.4	918.4	
last 12 month % of normal	102.8%		114.5%		98.4%		88.3%		
regional average	101.0%								

A blast of winter was observed on March 30th and lasted into the early part of the week of April 1st, bringing snow depths of 2-6cm across the watershed. Warmer spring-like temperatures which followed removed the snow only a few days later. A snow survey was conducted on April 1st as part of the monitoring program with MNRF, and the associated snow survey maps can be found in Figure 2, below.

The figure shows, left, that a SWE of 1-25mm was present in our watershed and across southwestern Ontario on April 1st, which is 200-250% of normal for this time of year (right). During this snow survey, the St. Clair watershed had an average of 4cm across the region.

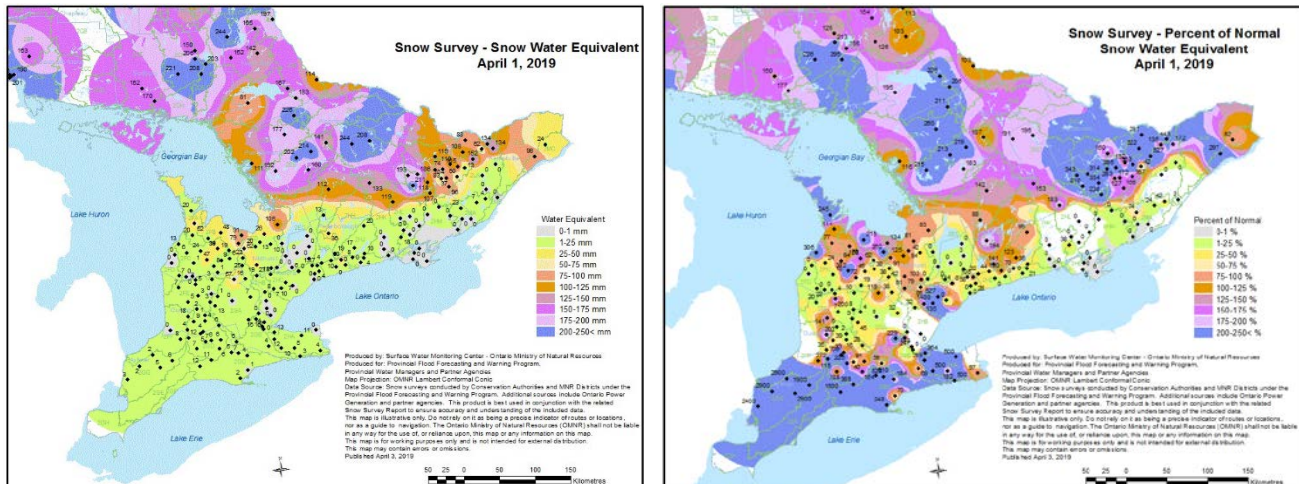


Figure 2: Comparison of Snow Water Equivalent (SWE), left, to Percent of Normal SWE, right, for April 1, 2019.

Flood Threat

Unseasonal temperatures and rainfall at the start of February greatly reduced ice and snow cover over the region and resulted in an early freshet. Figure 3, below, shows the fluctuations of air temperature, precipitation and water level at the Wallaceburg stream gauge since February 2, 2019.

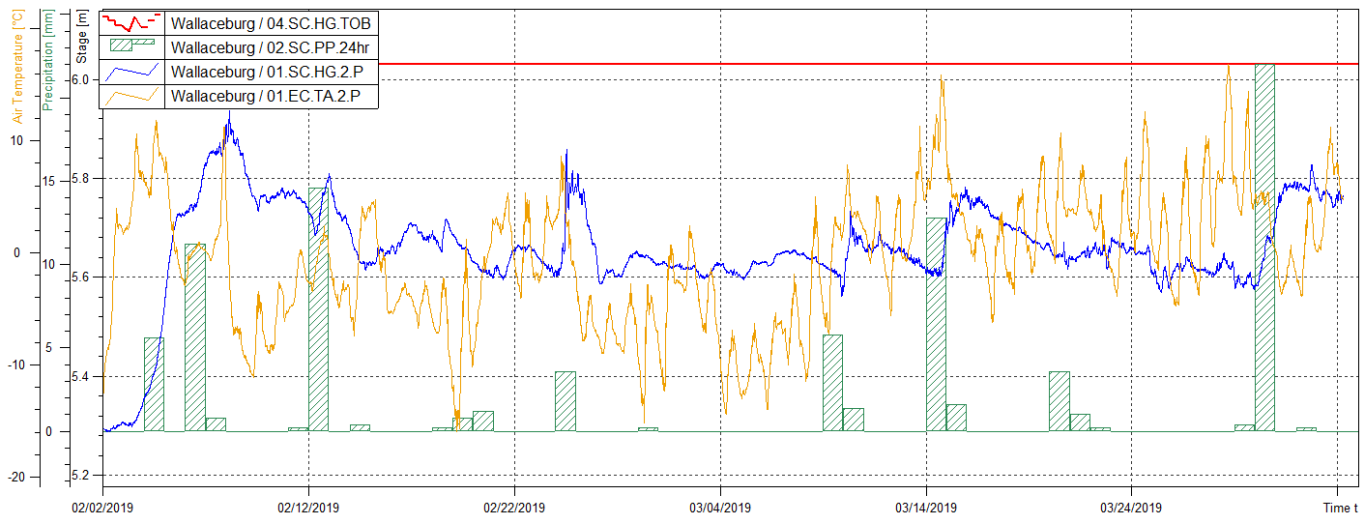


Figure 3: Comparison of daily precipitation (green blocks), air temperature (orange line), water level at Wallaceburg stream gauge (blue line) and Wallaceburg top of bank (red line). Source: WISKI data, February 2019 – April 2019.

The freshet, which began on February 4th, had four watershed conditions bulletins released during the event, including one water safety bulletin, two flood outlooks, and one flood watch bulletin. One water safety bulletin was issued on March 14th during a warm spell and rain event, however the received precipitation was 50% of what was forecasted and the event did not escalate.

At present, the flood threat on the Sydenham River is low. With the snowmelt early in the week of April 1st, water levels had risen but are since on the decline. All water levels are below the top of bank elevations with the exception of Florence and Black Creek, which are gradual slopes and prone to breaching into the natural adjacent floodplain.

Some precipitation is forecast in the upcoming week, however predictions are prone to changing. Soil has been saturated with the snowmelt, and any further rain could lead to rivers rising more quickly, however significant flooding is not expected at the time of this report. Water levels and the weather forecast will be monitored on an ongoing basis.

Great Lakes Levels

Data collected from Fisheries and Oceans Canada water levels bulletin show the changes in water levels between months, years and decades. Data depicted in Table 2 shows water levels are remaining high, with increases in the water levels compared to previous years. Furthermore, data shown in Figure 4 also forecasts water levels on Lakes Huron and St. Clair as being high but are not anticipated to exceed record water levels.

Table 2: Comparison of Great Lakes water levels for February 2019. Source: Fisheries and Oceans Canada, 2019.

February 2019	Lake Huron	Lake St. Clair	Lake Erie
Mean for Month (Preliminary Data)	176.83	175.41	174.61
Mean for Month Last Year	176.74	175.32	174.44
Change	0.09	0.09	0.17
Mean for Month, Last 10 years	176.17	174.85	174.11
Change Compared to Current	0.66	0.56	0.50
Mean for Month, All Time	176.28	174.79	174.00
Change Compared to Current	0.55	0.62	0.61
Statistics for Period of Record			
Maximum Monthly Mean / Year	177.11	175.8	174.78
	1986	1986	1987
Change Compared to Current	-0.28	-0.39	-0.17
Minimum Monthly Mean / Year	175.59	173.89	173.18
	1964	1926	1936
Change Compared to Current	1.24	1.52	1.43
Next Month Estimate			
Probable Mean for Next Month	176.87	175.55	174.70
Next Month Compared to Current	0.04	0.14	0.09

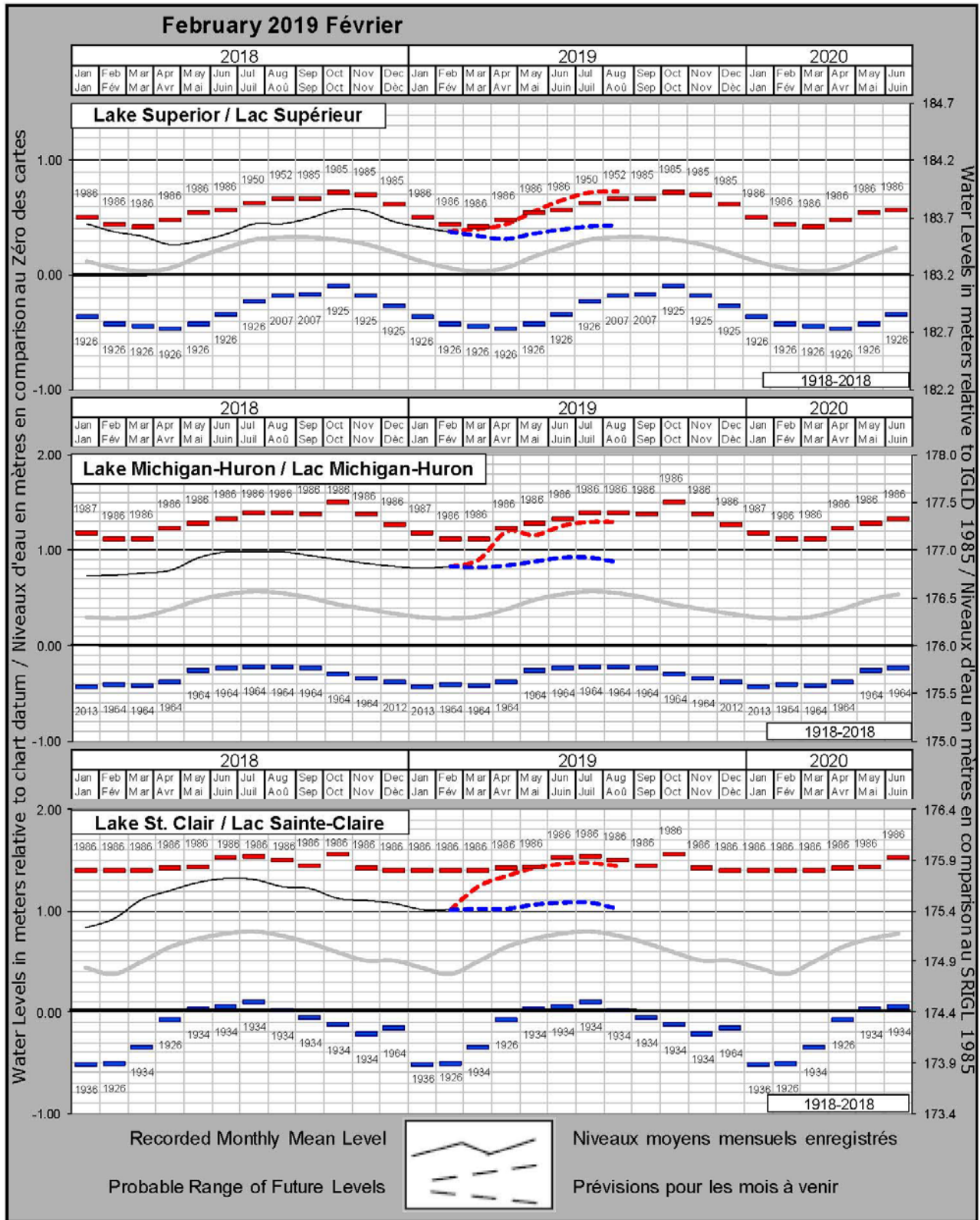


Figure 4: Recorded and projected water levels. Source: Fisheries and Oceans Canada, 2019.

Seasonal Outlook

Seasonal outlooks are provided each month by Jerry Shields, meteorologist for the Aviation, Forest Fire and Emergency Services branch of the MNRF. This information is used internally to prepare for potential increased flood or drought conditions in the distant future. A summary of the outlook is provided below:

- April and May are forecast as being slightly warmer than seasonal for this time of year, with slightly above seasonal precipitation
- June is modelled to be quite cooler than normal with slightly below seasonal precipitation
- Summer is anticipated to have a late start, with cool temperatures from June continuing into July, and precipitation forecast as being slightly below seasonal
- El Nino Southern Oscillation (ENSO) forecast to recovery back into El Nino (positive) conditions and remain strongly positive through the summer and into Fall. Matching years for ENSO conditions for April is 2010, and 1969 for summer.

Meeting Date: April 18, 2019
Report Date: April 4, 2019
Submitted by: Girish Sankar

Item 9.2

Subject: Water & Erosion Control Infrastructure (WECI) Projects

- 2019 - 2020 Projects will be submitted on April 12, 2019
- The WECI program is still subject to funding approval from the Province
- All applications will be reviewed by a committee of provincial and Conservation Authority staff representatives in late April or early May and will be ranked in comparison to all submitted projects from across the Province
- If funding is confirmed for this program, a list of approved projects may be available in June
- A list of WECI projects for 2019 - 2020 is outlined below

Structure	Project Name	Description of Work	Total Project Cost (\$)	Grant Requested (\$)
Courtright Park	Courtright Park Shoreline Restoration – Phase 3	Shoreline work at Courtright Park along St. Clair River using armourstone and riprap.	\$700,000	\$350,000
Sarnia Shoreline Protection	Shoreline Repair (Helen and Kenwick St) Phase 2	Carry out construction of Phase 2 from the recommendation of engineering study.	\$800,000	\$400,000
Head Street/ Coldstream Dams	Decommissioning Study	Study to consider decommissioning of the Head street and Coldstream dams	\$120,000	\$60,000
W. Darcy McKeough Dam	Mechanical Inspection of Equipment and Painting	Inspect gate equipment and Waterproofing/sealant coating and paint the gatehouse building	\$150,000	\$75,000
ARDA Dyke	Hazard Tree Removal	Remove trees and shrubs along the dyke that pose stability issues to the dyke	\$24,000	\$12,000
W. Darcy McKeough Dam	Drain repairs, Channel floor repair	Perform Channel and Drain repairs on the McKeough Floodway as identified in the Engineering reports.	\$60,000	\$30,000

Meeting Date: April 18, 2019
Report Date: April 4, 2019
Submitted by: Girish Sankar

Item 9.3

Subject: Phase II – Courtright Waterfront Park Shoreline Improvements

Courtright Waterfront Restoration – Phase 2

- A budget of \$350,000 was confirmed for the project (WECI \$80,000; St. Clair Township - \$250,000, Great Lakes Community Guardian fund \$20,000)
- Construction work started late February, 2019 by Murray Mills Excavating
- As of April 4, 2019, All works have been completed under 20 working days of the contract.
- All in-water works were completed before March 30, 2019.
- 1 outfall was located and repair was completed as designed
- Approximately 60 meters of Shoreline work has been completed.
- Due to timeline restrictions, no additional work will be completed.
- Minor restoration and repair work is on-going and the crew will be completing restoration in May, 2019.
- Pictures below was taken on March 29 looking south and north along the Courtright park.



Meeting Date: April 18, 2019
Report Date: April 4, 2019
Submitted by: Girish Sankar

Item 9.4

Subject: Floodplain Mapping Project – Phase II

Background:

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.

In 2018, 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. This work is currently being undertaken by Riggs Engineering.

SCRCA has received a notification from NDMP about **successful funding approval** for **Phase 2** to complete an updated floodplain mapping study for the remaining part of the watershed. Total contribution from NDMP - \$155,250.

With this work completed, SCRCA will have updated floodplain mapping for the entire watershed.

Finance:

The total cost of this project is estimated to be \$310,500. A proposal from Riggs Engineering will be submitted by mid-April.

50% of the costs have to be matched by the remaining municipalities, of which 15% is in-kind contributions such as labour, use of facilities and equipment, which can be readily absorbed by SCRCA. 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. As in Phase I, the special levy for the remaining municipalities will be determined based on Modified Current Value Assessment, as the levy of the Authority budget.

Meeting Date: April 18, 2019 **Item 9.5**
Report Date: April 4, 2019
Submitted by: Mike Moroney and Girish Sankar

Subject: Engineering and Design Plan for Management of Contaminated Sediment in the St. Clair River – Consultant Selection

Background:

In 2007, the Canadian Remedial Action Plan (RAP) Implementation Committee (CRIC) started a detailed assessment of the sediment contamination in the river along the Sarnia petrochemical complex and extending to the southern tip of Stag Island. A report on the initial risk assessment of the sediments was completed in 2009. This report helped to identify three priority areas within the area of study.

Environ environmental consultants was retained by the SCRCA to provide advice on sediment management options in each of the three priority areas, resulting in a 2013 report. Community and First Nation engagement was conducted in 2013 on the different sediment management options described in the report. Feedback received indicated a preference for the use of hydraulic dredging and backfilling.

Project Highlights:

The final step before implementation is the need to prepare a detailed engineering and design plan of the preferred options. SCRCA is working on the Request for Proposals (RFP) document to be provided to pre-qualified consultants with experience in developing detailed engineering designs for contaminated sediment. It is anticipated that preparation of the plan will take two years to complete.

Staff at SCRCA are currently reviewing a draft RFP and a list of pre-qualified consultants with MECP, DOW Canada and ECCC. Once the list is established, the RFP will be finalized and provided to the consultants on April 23, 2019.

A number of open houses are being organized to educate the community of the tasks and timelines associated with the preparation of the engineering and design plan to manage the three areas of historical sediment contamination along the St. Clair River.

- Sarnia open house – April 15, 2019 from 6:00 pm – 8:00pm
- Wallaceburg open house – Wednesday April 17, 2019 from 12:30 pm – 2:30 pm
- Courtright open house – April 17, 2019 from 6:00 pm – 8:00 pm

Meetings have also been arranged with the Aamjiwnaang First Nation Environment Committee for April 16, 2019, and the Walpole Island First Nation Heritage Centre Committee for April 17, 2019.

Finance:

All costs associated with this phase of the project work will be covered through funding provided by the Ministry of the Environment, Conservation, and Parks, Environment and Climate Change Canada, and Dow Canada.

The outcome of the Request for Proposals process will determine what consulting firm is selected to prepare the engineering and design plan, as well as the cost to prepare the plan.

Meeting Date: April 18, 2019 **Item 10.1**
Report Date: April 3, 2019
Submitted by: Jessica Van Zwol, Healthy Watershed Specialist

Subject: Healthy Watersheds Programs Outreach Update

Recommendation:

That the Board of Directors acknowledges the Healthy Watersheds Program Update dated April 3, 2019.

Background:

Stewardship projects – *Grants available* SCRCA secures funding from federal, provincial, municipal and private sources to support landowner-implemented stewardship projects including riparian buffers, block tree planting, windbreaks, wetlands, and erosion control measures. Staff meet with landowners and offer advice and project design and where applicable, support projects with grants. Call today for more information.

Update:

Staff have applied for the following grants to support landowner stewardship projects and education & outreach:

- Department of Fisheries and Oceans – Aquatic Habitat Stewardship Program - \$140,000/year for 3 years
- Department of Fisheries and Oceans – Canada Nature Fund \$960,000 for 4 years
- EcoAction - \$78,000 for stewardship and educational outreach in the St. Clair Region

SCRCA Habitat Stewardship Program 2018-2019

Total Project Cost: \$647,500 (excludes the value of land retirement of 32.15 ha/79.44 acres)

Grants awarded to Stewardship Projects: \$336,300

Staff assisted or found grant funding for the following projects:

- 3 Erosion Control Projects
- 1 Organic Amendments Project
- 63 Riparian Buffer and Marginal Land Tree Planting Projects (~73,070 trees)
- 10 Wetland Projects
- 2 Cattle Exclusion Fencing Projects
- 1 Bank Stabilization Project
- 1 Grassed Waterway Project



Newly created wetland



Almost complete grassed waterway & rock chute to reduce erosion



Wetland Construction

Outreach, Education, Partner Projects

- **March 14** – Lake Huron Coastal Centre for Conservation Steering Committee meeting for Coastal Action Plan development
- **March 28** – Innovative Farmers Association of Ontario Board Meeting
- **April 4** – Phosphorus & Stewardship in the Sydenham River Watershed Presentation at Lambton Cattlemen's Association Meeting

Meeting Date: April 18, 2019
Report Date: April 3, 2019
Submitted by: Nicole Drumm

Item 10.2

Subject: Sydenham River Watershed Phosphorus Management Plan Update

Background:

Through funding provided by Environment and Climate Change Canada (ECCC), the St. Clair Region Conservation Authority (SCRCA) is coordinating the development of a Phosphorus Management Plan for the Sydenham River watershed to reduce the impact of this nutrient on the Great Lakes basin. When phosphorus becomes available in excessive amounts in freshwater environments it can cause algal blooms and hypoxic (low oxygen) conditions. This severely degrades the water quality of lakes and rivers and can impact the safety of water for drinking, recreation, and wildlife. The objective of this multi-year project (potentially 2018-2022) is to work with local stakeholders and communities to identify sources of phosphorus, collect and analyze available data, and determine the most effective solutions for our region. A community engagement and outreach strategy will also be developed to implement the Management Plan.

On November 27, 2018, the SCRCA hosted an initial stakeholder meeting to introduce and receive direction for the project. Over 65 people were in attendance representing a variety of interests including municipalities, counties, First Nations, federal and provincial government, agricultural and wastewater sectors, neighbouring conservation authorities, educational institutions, community groups, and other individuals.

Four committees have since been established, including an Advisory Committee, Water Quality Technical Team, Non-Point Source (NPS) Working Group, and Point Source (PS) Working Group that will be coordinated by the SCRCA Project Team. SCRCA Board Members, Steve Miller and Terry Burrell, will sit on the NPS and PS Working Groups, respectively, and will both be on the Advisory Committee.

Feedback from the November Meeting was used to develop drafts of guiding documents for the project, including a Project Charter, NPS and PS Working Group Terms of Reference, and a Plan Outline.

On March 7, 2019, the first meetings for the NPS and PS Working Groups were held where feedback was received on the proposed Project Charter, Terms of Reference, and Project Outline. The discussions at these meetings were very productive and will be used to guide further progress on the project.

In the upcoming months, the first Advisory Committee and Water Quality Technical Team meetings will be held.

For more information on the Management Plan, please review the attached “Draft Project Charter” document.

Strategic Objectives:

The Phosphorus Management Plan is a project that ties into our existing programs and will help us to meet our strategic objective to focus on programs that reduce the loading of phosphorus to the Great Lakes in order to protect, manage, and restore our natural systems.

Goal 2:

“Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes.”

Strategic Actions:

“Develop New Tools to Promote Stewardship Practices and Evaluate the Effectiveness of Best Management Practices: Evaluate the current model of landowner outreach and voluntary stewardship and explore new tools and collaborations that expand conservation opportunities utilizing information from our watershed report cards. Best Management Practices (BMPs) are encouraged to promote soil health, improve water quality, and provide for more resilient watersheds. Efforts need to be made to evaluate the various BMPs to ensure they are creating the results expected such as reducing nutrient loss from farm fields (with a focus on phosphorus) and decreasing sedimentation in watercourses. This is an opportunity to work with colleges and universities, farming groups, and others to develop solid science to evaluate BMP effectiveness.”

“Focus on Programs to Reduce Phosphorous Loading into the Great Lakes: Governments on both sides of the border have been taking action setting targets for the Great Lakes to deal with the problem of excess Phosphorus. Stewardship programs, while also addressing other watershed needs, should focus on reducing Phosphorous levels entering the Great Lakes.”

Sydenham River Watershed Phosphorus Management Plan

PROJECT CHARTER

March 2019

Background

Phosphorus is an essential nutrient that is required by both plants and animals. It is found in human and animal waste as well as fertilizers. In excessive amounts it is considered pollution, which has two general means of introduction to the environment: point sources and non-point sources. As its name suggests, point source pollution originates from a single, identifiable source (e.g., effluent discharging from a pipe of an industrial or sewage treatment plant), whereas, non-point source pollution results from many diffuse sources that occur over a wide area (e.g., surface water runoff of manure and fertilizer).

Phosphorus is a primary limiting nutrient to algal growth in the freshwater environment. Eutrophication occurs when a water body becomes overly enriched with nutrients leading to excessive algal growth, which may produce zones of low oxygen (hypoxia). An oversupply of nutrients is an issue in many parts of the Great Lakes but Lake Erie is experiencing the most severe algal problems due to its characteristics and circumstances (e.g., relatively shallow, warm, biologically productive, surrounded by a large population and intensive land use activities) as well as the emerging impacts from invasive species and climate change.

Although algae are photosynthetic organisms that are vital to the base of the food web, they can generate problems when their numbers grow exponentially to form blooms. After the supply of excess nutrient has been exhausted and the algae in the bloom eventually die off, they are consumed by bacteria that use up oxygen through the decomposition process, which may deplete the water of oxygen leaving it unable to support fish and other animals. Excess phosphorus can also cause Harmful Algal Blooms (HABs) of blue-green algae (cyanobacteria) that release toxins (e.g., microcystins) making the water dangerous for drinking, recreation, and wildlife. The degradation of Lake Erie's water quality also puts peoples' livelihoods at risk including the sport and commercial fisheries, tourism, and recreation industries.

Lake Erie has three basins—the western, central, and eastern basins—each with unique characteristics and therefore unique manifestations of the algal problem. The western basin is largely impacted by HABs, the central basin is impacted by hypoxic conditions, and the eastern basin is affected by filamentous nuisance algae (cladophora) that block water intakes and cause beach fouling.

Lake Erie has experienced issues with algae blooms in the past – in 1972, Canada and the United States signed the binational Great Lakes Water Quality Agreement (GLWQA) to address issues impacting the health of the Great Lakes including excessive nutrient loading. The two countries have worked together to address phosphorus loads for over 40 years and saw significant improvements in the 1970s and

Sydenham River Watershed Phosphorus Management Plan Project Charter

[DRAFT]

Last Updated: 2019-03-01

1980s. However, algae blooms returned by the mid-1990s and have since intensified due to complex interactions between factors including nutrient loading, invasive species, climate change, and population growth. In 2012, Canada and the U.S. updated the GLWQA and in 2016 they set a new target to achieve a 40% reduction in phosphorus loadings to Lake Erie by 2025, from 2008 levels. In order for each country to meet their targets, each have developed domestic action plans.

The Canada-Ontario Lake Erie Action Plan was released in February 2018 and identifies Conservation Authorities in the Lake Erie basin as key implementation partners. This has led to the St. Clair Region Conservation Authority coordinating the creation of the Sydenham River Watershed Phosphorus Management Plan. Excess phosphorus originating from the Sydenham River watershed is ultimately delivered to Lake Erie, contributing to Lake Erie's water quality concerns and increasing the risk of Harmful Algal Blooms. The goal of the Management Plan is to identify local sources of phosphorus, determine the most effective solutions to reduce loads, and implement community engagement strategies specific to the Sydenham region.

Project Overview

Project Summary

Anthropogenic (human) sources of phosphorus have led to nutrient enrichment of watercourses in the Sydenham River watershed. Excessive levels of phosphorus loading into local waterways by municipal, commercial, industrial, and agricultural sources are of concern as they degrade the water quality locally and downstream, namely in Lake Erie, which is experiencing significant issues resulting from an oversupply of nutrients. The Sydenham River watershed is the third largest Canadian contributor of phosphorus loadings to the Lake Erie Basin. The Sydenham River Watershed Phosphorus Management Plan (here after referred to as the Management Plan) is being developed to contribute to the achievement of the binational target of a 40% reduction of phosphorus entering Lake Erie by 2025, from 2008 levels (via Annex 4 of the Great Lakes Water Quality Agreement). The Management Plan will focus on identifying possible sources, solutions, and engagement strategies to reduce phosphorus loadings in the Sydenham River watershed.

The Management Plan will be developed with a wide range of local stakeholder input and direction from the Management Plan Team that will include:

- Advisory Committee
- Non-Point Source Working Group
- Point Source Working Group
- Water Quality Technical Team

Representation on the above committees will include municipal, provincial and federal governments, First Nations, counties, industry (wastewater and agricultural sectors), and community members. Through the process of developing the Management Plan, stakeholders will be able to provide insights and share their perspective as well as gain

a more complete understanding of the region's collective impacts on the environment in terms of nutrient loading.

The St. Clair Region Conservation Authority (SCRCA) Project Team is receiving support from Environment and Climate Change Canada (ECCC) to coordinate the above committees and to provide research and writing support for the project.

The finalized Management Plan will be released in 2022 and will guide future actions towards mitigating phosphorus loading in the watershed. The Sydenham River Watershed Phosphorus Management Plan will contribute to healthy wildlife and fisheries populations, clean drinking water, and vibrant recreation and tourism opportunities.

Project Goals

The goal of the Management Plan is:

- To better understand the sources, delivery and fate of phosphorus in the Sydenham River watershed;
- To determine optimal phosphorus reduction measures for the Sydenham River watershed;
- To implement an outreach strategy to engage the wider community;
- To contribute to the achievement of the binational target of a 40% reduction of phosphorus loads entering Lake Erie by 2025, from 2008 levels (via Annex 4 of the GLWQA).

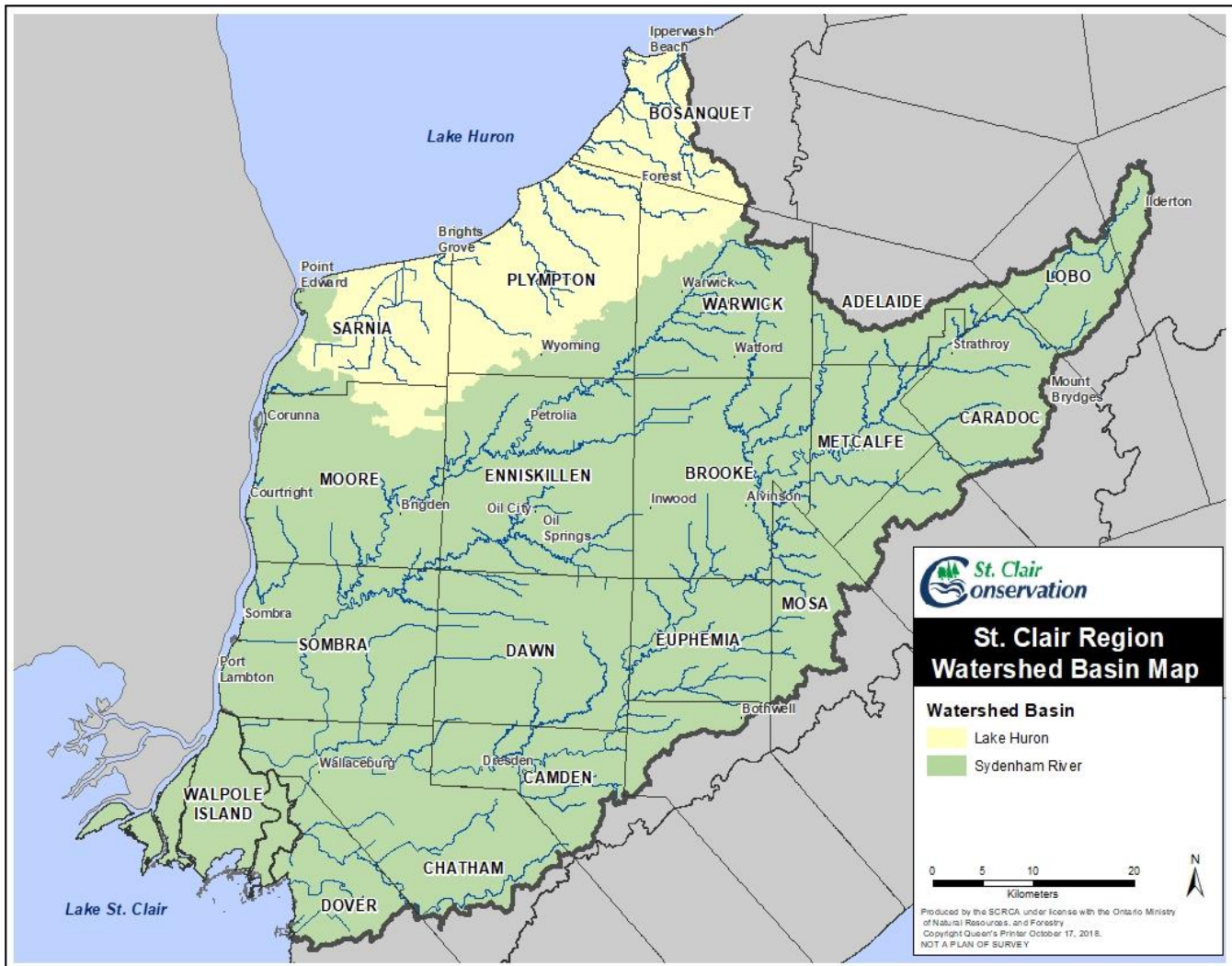
Project Deliverables

As a result of a collaborative effort, it is expected that the Management Plan will:

- Summarize the soils, land uses, natural heritage features, known water quality data and nutrient sources in the Sydenham River Watershed;
- Identify gaps in information and knowledge that limit understanding of phosphorus movement in the Sydenham River Watershed and provide a summary of how to address those gaps;
- Improve the understanding of the sources, fate, and delivery of phosphorus throughout the Sydenham River Watershed;
- Evaluate the Best Management Practices (BMPs) of different sectors and determine which ones are likely to have the greatest impact locally;
- Assess awareness among stakeholders and identify engagement and outreach strategies that will increase the adoption of BMPs;
- Include a clear strategy for how to address phosphorus sources in the Sydenham River Watershed.

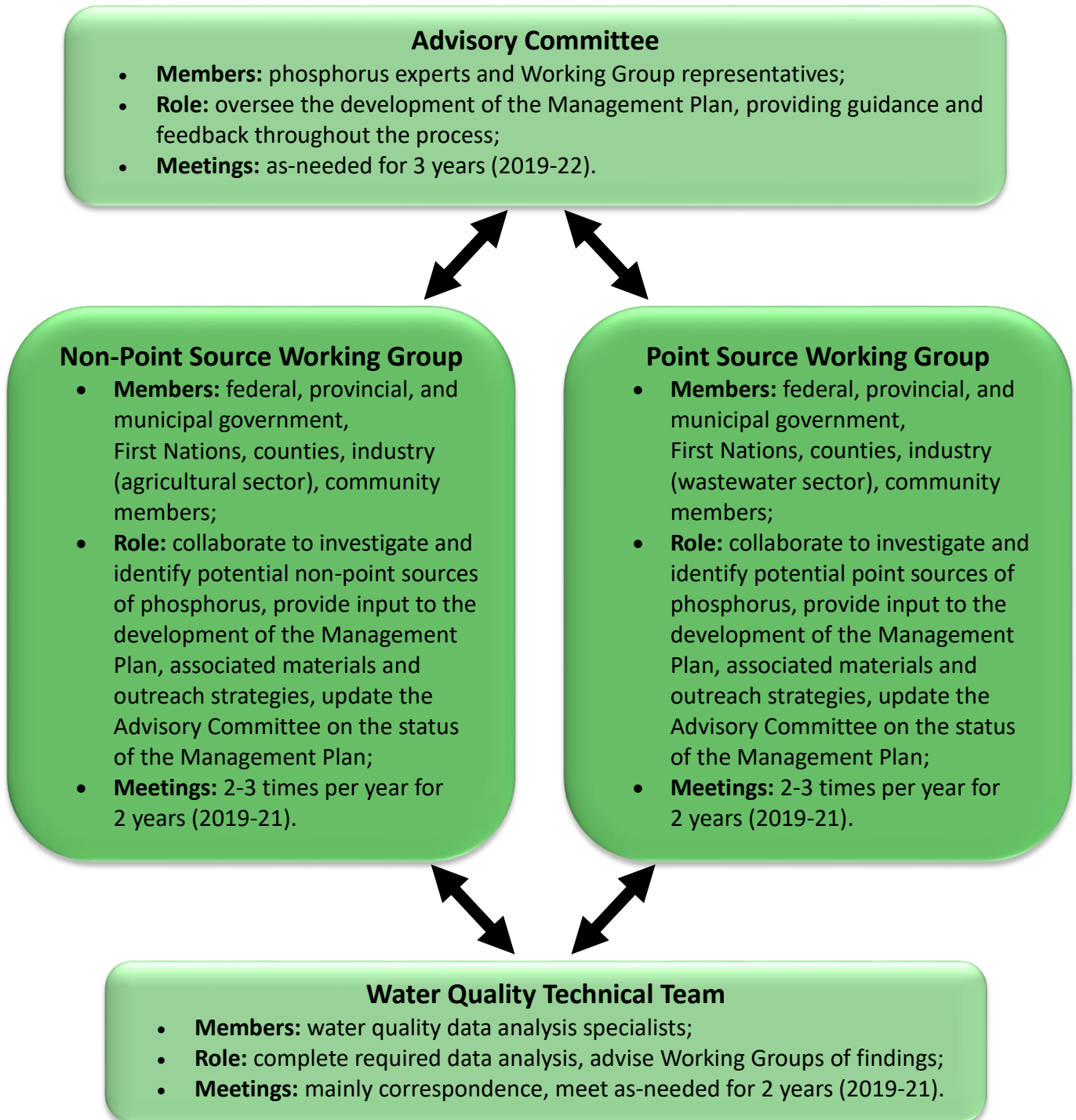
Project Scope

The Management Plan's scope will be limited to the Sydenham River watershed (Map 1) in order to enact on-the-ground efforts to reduce phosphorus loadings to local water bodies and, ultimately, Lake Erie.



Map 1: The Sydenham River watershed is part of the Lake Erie drainage basin. Tertiary watershed boundaries, shown in green, will be used for the Sydenham River Watershed Management Plan.

Project Organization



*See the *Terms of Reference* documents for more information on the roles, objectives and membership of the above committees

Meeting Date: April 18, 2019
Report Date: April 3, 2019
Submitted by: Steve Shaw

Item 11.1

Subject: Conservation Services Report

Recommendation:

That the Board of Directors acknowledges the Conservation Services Report Update dated April 3, 2019.

Background:

All tree planting activities take place in the spring of the year. Vegetation control operations are carried out in both the spring and the fall for trees planted within the past 3 years. Several larger planting projects are maintained throughout the growing season on County and CA lands plus several other private corporate planting projects. Approximately 30 individual sites totalling approximately 60,000 are planted annually. Vegetation control work is carried out on approximately 100 sites totalling over 250,000 trees annually.

Update:

Tree Planting Program

- This year conservation services staff will be planting approximately 68,000 trees for 36 separate projects on private, corporate public lands.
- Two tractor-mounted mechanical tree planters each operated by a 3 person crew and one 4 person hand planting crew will be deployed in the last week of April to plant trees over a 3 to 4 week time frame.
- Another 5000 trees will be sold to a number of landowners to plant on their own.



- We currently have several federal, provincial and local grant dollars available as financial incentives for property owners this year to subsidize a larger portion of the cost of trees, planting services and long term vegetation management.
- All trees planted under this program will receive a pre-emergent herbicide treatment soon after planting unless otherwise requested by the landowner.
- Approximately 200,000 trees are scheduled for herbicide retreatment this spring for sites that were planted in 2016, 2017 and 2018.

Large Stock Trees

- Approximately 600 large stock trees have been ordered for the spring
- Two municipalities are ordering trees this spring.
- The Municipality of Brooke-Alvinston has been providing a financial incentive for several years now to its resident property owners who purchase and plant trees on their properties through this program.
- The Township of Warwick is new to our program this year and has also provided a financial incentive to its resident landowners who order large stock trees to plant on their properties.
- Trees range in size from a half metre tall for evergreen trees to 2.0 metres tall for the hardwood trees. Most of the trees are potted or in a dirt ball with burlap. Some species and oversized trees come in bare root form. The bare root trees are less expensive, however, they require much more protection when transporting and storing.



Meeting Date: April 18, 2019
Report Date: April 4, 2019
Submitted by: Steve Shaw

Item 11.2

Subject: West Nile virus control – Lambton Larvicide Program

Recommendation:

That the Board of Directors acknowledges the Conservation Services Report Update dated April 4, 2019 on the application of larvicide to catch basins in Lambton County for the control of West Nile Virus in 2019.

Background:

The Authority is contracted by the County of Lambton to apply a larvicidal treatment to all municipal catch basins in cities, towns, villages and rural areas throughout the county. The conservation services department is responsible for the Authority's pesticide operators license, has three permanent staff with MOECC applicator licenses and one staff person to train and licence seasonal staff as pesticide technicians. SCRCA has a positive working relationship with the county, has been providing this service since 2006 as well as other services to the County and therefore this program is a good fit for both organizations. The conservation authority works with Lambton Public Health for this program and takes direction from the health protection department.

Update:

- The Conservation Authority will be treating catch basins again this summer under contract with the County of Lambton. SCRCA obtains permits each year from MOECC and trains, certifies and registers summer staff as pesticide technicians to treat catch basins with a mosquito larvicide product.
- Catch basins are treated with methoprene (mosquito growth regulator) between June 25th and August 25th with 3 separate applications at 21-day intervals for mosquito control during the most vulnerable time of the year for transmitting the disease. Methoprene prevents the mosquito pupa from emerging as a biting adult mosquito. Approximately 65% Lambton County's municipal catch basins are located in the City of Sarnia.
- SCRCA staff conduct pre-treatment larval activity sampling as well as post treatment efficacy testing in part with the treatment program by collecting mosquito pupa later in the summer. Pupa are monitored for adult emergence. Past efficacy monitoring averages 80% effectiveness at controlling mosquito pupa from emerging into adult biting mosquitos.

Meeting Date: April 18, 2019 **Item 12.1**
Report Date: April 2, 2019
Submitted by: Melissa Deisley, Michelle Gallant, Dallas Cundick and Eva Baker

Subject: Regulations Activity Summary for the period dated February 1, 2019 to March 31, 2019

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 February 1, 2019 to March 31, 2019.

Regulations Permits:

Application No:	R#2019-124	Municipality:	Adelaide-Metcalf		
Subject Property:	Metcalf St.				
Proposal:	Site Grading and Excavation				
Submission Complete By:	3/5/2019	Permit Issued:	3/8/2019	Days:	3

Application No:	R#2019-029	Municipality:	Chatham-Kent		
Subject Property:	25838 Lindsay Road				
Proposal:	Construct New Dwelling				
Submission Complete By:	3/20/2019	Permit Issued:	3/20/2019	Days:	1

Application No:	R#2019-138	Municipality:	Chatham-Kent		
Subject Property:	Water St. Wallaceburg 365041001140200				
Proposal:	Fill to level out Agricultural field				
Submission Complete By:	2/27/2019	Permit Issued:	3/14/2019	Days:	15

Application No:	R#2019-137	Municipality:	Chatham-Kent		
Subject Property:	233 Margaret Avenue				
Proposal:	New Detached Garage and Addition				
Submission Complete By:	3/15/2019	Permit Issued:	3/15/2019	Days:	1

Application No:	R#2019-097	Municipality:	Chatham-Kent		
Subject Property:	7403 McCreary Line				
Proposal:	Construct Single New Family Dwelling				
Submission Complete By:	2/22/2019	Permit Issued:	3/26/2019	Days:	32

Application No:	R#2019-013	Municipality:	Chatham-Kent		
Subject Property:	223 Lawrence Avenue				
Proposal:	House and Garage Addition				
Submission Complete By:	3/20/2019	Permit Issued:	3/20/2019	Days:	1

Application No:	R#2019-024	Municipality:	Enniskillen		
Subject Property:	Petrolia Line				
Proposal:	Install approximately 261m of Gas Line via HDD				
Submission Complete By:	2/5/2019	Permit Issued:	2/7/2019	Days:	2

Application No:	R#2019-159	Municipality:	Lambton Shores		
Subject Property:	6536 West Parkway Drive				
Proposal:	Revision of R#2018-021				
Submission Complete By:	3/26/2019	Permit Issued:	3/26/2019	Days:	1

Application No:	R#2019-157	Municipality:	Plympton-Wyoming		
Subject Property:	3182 Dana Street				
Proposal:	Foundation Repair				
Submission Complete By:	3/15/2019	Permit Issued:	3/18/2019	Days:	3

Application No:	R#2019-030	Municipality:	Point Edward		
Subject Property:	Sarnia Yacht Club				
Proposal:	Dredging Permit Renewal				
Submission Complete By:	2/7/2019	Permit Issued:	2/7/2019	Days:	1

Application No:	R#2018-374	Municipality:	Sarnia		
Subject Property:	1930 Lakeshore Road				
Proposal:	New Dwelling and Septic System				
Submission Complete By:	1/17/2019	Permit Issued:	2/5/2019	Days:	19

Application No:	R#2019-068	Municipality:	Sarnia		
Subject Property:	Repairs to Blackwell SideRoad Bridge				
Proposal:	Bridge Repairs				
Submission Complete By:	3/21/2019	Permit Issued:	3/21/2019	Days:	1

Application No:	R#2018-170	Municipality:	St. Clair		
Subject Property:	485 East River Road				
Proposal:	Tear Down/Rebuild New Single Family Dwelling				
Submission Complete By:	3/8/2019	Permit Issued:	3/15/2019	Days:	7

Application No:	R#2018-390	Municipality:	St. Clair		
Subject Property:	520 Polymoore Drive				
Proposal:	Industrial Supply warehouse				
Submission Complete By:	2/5/2019	Permit Issued:	2/8/2019	Days:	3

Application No:	R#2019-093	Municipality:	St. Clair		
Subject Property:	Pointe Line				
Proposal:	Pointe Line Watermain Project				
Submission Complete By:	2/12/2019	Permit Issued:	2/13/2019	Days:	1

Application No:	R#2019-123	Municipality:	St. Clair		
Subject Property:	Old River Road Plan 25R-7404				
Proposal:	New Single Family Dwelling				
Submission Complete By:	2/13/2019	Permit Issued:	3/1/2019	Days:	16

Application No:	R#2018-336	Municipality:	St. Clair		
Subject Property:	3658 St. Clair Parkway				
Proposal:	Construction of a New Dock with 10x10 pergola				
Submission Complete By:	2/22/2019	Permit Issued:	2/25/2019	Days:	3

Application No:	R#2019-125	Municipality:	St. Clair		
Subject Property:	Lot 4, Plan 25M-55				
Proposal:	New Single Family Dwelling with Basement				
Submission Complete By:	3/7/2019	Permit Issued:	3/8/2019	Days:	1

Application No:	R#2018-384	Municipality:	Strathroy-Caradoc		
Subject Property:	Caradoc Street North				
Proposal:	Caradoc Street North Reconstruction				
Submission Complete By:	2/6/2019	Permit Issued:	2/6/2019	Days:	1

Total No. of Applications: 19 Average No. of Days to Issue Permit: 6

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#2019-070	Adelaide-Metcalfe	4010 Walkers Drive 2 properties
R#2019-148	Adelaide-Metcalfe	DR2994 Mayfair and Springfield Roads Scotchmere and Inadale Drives
R#2019-063	Adelaide-Metcalfe	4010 Walkers Drive
R#2019-101	Adelaide-Metcalfe	Lot 9 Con 12-6 Metcalfe
R#2019-132	Adelaide-Metcalfe	Lot 20-23 Con 14-13
R#2019-043	Adelaide-Metcalfe	3183 Napperton Road
R#2019-133	Adelaide-Metcalfe	Lot 15-16 Con 13-12 Metcalfe
R#2019-118	Brooke-Alvinston	NE corner of Little Ireland Rd & LaSalle Line
R#2019-108	Brooke-Alvinston	7298 Shiloh Line
R#2019-072	Brooke-Alvinston	Hilly Road

R#2019-211	Brooke-Alvinston	3753 Nauvoo Road
R#2019-089	Brooke-Alvinston	8352 Courtright Line
R#2019-212	Brooke-Alvinston	4268 Nauvoo Road
R#2019-195	Brooke-Alvinston	6680 Petrolia Line
R#2019-067	Chatham-Kent	325 Metcalfe Street
R#2019-066	Chatham-Kent	24 Bank Street
R#2019-185	Chatham-Kent	Starkweather Line
R#2019-172	Chatham-Kent	26088 Winter Line Road
R#2019-207	Chatham-Kent	88 Leisure Lane
R#2019-158	Chatham-Kent	204 Hudson Avenue
R#2019-174	Chatham-Kent	148 Margaret Avenue
R#2019-181	Chatham-Kent	8383 Dover Centre Line
R#2019-021	Chatham-Kent	29025 Connection Road
R#2019-144	Chatham-Kent	1 Dunlop Crescent
R#2019-191	Chatham-Kent	9724 Sugar Beet Line
R#2019-023	Chatham-Kent	6074 Dufferin Ave
R#2019-127	Chatham-Kent	10560 Croton Line
R#2019-187	Chatham-Kent	160 Margaret Avenue
R#2019-136	Chatham-Kent	222 Thomas Avenue
R#2019-130	Chatham-Kent	212 Metcalfe Avenue
R#2019-064	Chatham-Kent	8692 John Park Line
R#2019-116	Chatham-Kent	8502 Wren Line
R#2019-114	Chatham-Kent	1821 Dufferin Avenue
R#2019-113	Chatham-Kent	949 James Street
R#2019-164	Chatham-Kent	325 Metcalfe Avenue
R#2019-117	Chatham-Kent	595 Wallace Street
R#2019-106	Chatham-Kent	6800 Base Line
R#2019-131	Chatham-Kent	Chatham
R#2019-077	Chatham-Kent	11188 Grove Mills Line
R#2019-075	Dawn-Euphemia	Lot 14 Con 7 Dawn
R#2019-210	Dawn-Euphemia	3736 Kent Line
R#2019-090	Dawn-Euphemia	North of Dresden
R#2019-160	Dawn-Euphemia	Euphemia
R#2019-165	Dawn-Euphemia	Burr Road Culvert
R#2019-184	Dawn-Euphemia	Lots 31-32 Con 5
R#2019-188	Dawn-Euphemia	Lot 23 to Lot 21 Con 5 Dawn
R#2019-198	Dawn-Euphemia	100 Cuthbert Road
R#2019-193	Enniskillen	5502 Oil Springs Line
R#2019-115	Lambton Shores	5274 Cliff Road
R#2019-204	Lambton Shores	110/112 Macnab Street
R#2019-086	Lambton Shores	9161 Wood Drive
R#2019-105	Lambton Shores	5476 Huron View Avenue
R#2019-073	Lambton Shores	6372 Cottage Way Lane
R#2019-111	Middlesex Centre	5182 Egremont Drive
R#2019-176	Petrolia	428 Chestnut Street

R#2019-092	Plympton-Wyoming	3373 London Line
R#2019-074	Plympton-Wyoming	4692 Egremont Road
R#2019-054	Plympton-Wyoming	5269 Douglas Line
R#2019-129	Plympton-Wyoming	5198 Stewardson Road
R#2019-149	Plympton-Wyoming	Section 78
R#2019-078	Plympton-Wyoming	3073 London Line
R#2019-065	Plympton-Wyoming	3840 Lakeshore Road
R#2019-199	Plympton-Wyoming	4566 William Street
R#2019-040	Plympton-Wyoming	Lot 16 Con 2 Wyoming
R#2019-153	Plympton-Wyoming	4049 Cullen Drive
R#2019-071	Plympton-Wyoming	3949 Point View Drive
R#2019-189	Plympton-Wyoming	Michigan Line West of Oil Heritage Line
R#2019-190	Plympton-Wyoming	4364 and 4930 Lambton Lane
R#2019-056	Sarnia	1010 Plank Road Sarnia
R#2019-039	Sarnia	2092 Lakeshore Road
R#2019-091	Sarnia	564 Lakeshore Road
R#2018-032	Sarnia	2946 Old Lakeshore Road
R#2018-290	Sarnia	1929 Franklin Avenue
R#2019-139	Sarnia	2082 Churchill Line
R#2019-135	Sarnia	2056 Lakeshore Road
R#2019-128	Sarnia	2098 Michigan Line
R#2019-084	Sarnia	594 Beach Lane
R#2019-202	Sarnia	550 Lakeshore Road
R#2019-110	Sarnia	604 Beach Lane
R#2019-169	Sarnia	6015 Blackwell Sideroad
R#2019-213	Sarnia	5993 Blackwell SideRoad
R#2019-216	Sarnia	1602 Lakeshore Road
R#2019-088	Sarnia	594 Beach Lane
R#2019-145	Southwest Middlesex	3598 Calvert Drive
R#2019-147	Southwest Middlesex	Centreville Drive and Big Bend Road
R#2019-194	Southwest Middlesex	11546 Mid Acres Line
R#2019-102	Southwest Middlesex	Lot 12 Con 3 Mosa
R#2019-168	St. Clair	947 St. Clair Parkway
R#2019-058	St. Clair	4801 St. Clair Parkway
R#2019-103	St. Clair	2963 St. Clair Gardens
R#2019-060	St. Clair	2884 Kent Line
R#2019-196	St. Clair	3638 St. Clair Parkway
R#2019-098	St. Clair	2429 Kimball Road
R#2019-017	St. Clair	1757 Lasalle Line
R#2019-151	St. Clair	667 Wilkesport Line
R#2019-142	St. Clair	3006 St. Clair Parkway
R#2019-025	St. Clair	697 Catalpa Way
R#2019-104	Strathroy-Caradoc	8476 Olde Drive
R#2019-099	Strathroy-Caradoc	69 Pannell Lane

R#2019-126	Strathroy-Caradoc	SW corner of Falconbridge Drive and Glen Oak Road
R#2019-161	Strathroy-Caradoc	7297 Falconbridge Drive
R#2018-224	Strathroy-Caradoc	7914 Walkers Drive
R#2019-080	Strathroy-Caradoc	7880 Walkers Drive
R#2019-154	Warwick	7355 Confederation Line
R#2019-018	Warwick	8028 Brick Yard Line

Total Regulations Inquiries: 105

Meeting Date: April 18, 2019 **Item 12.2**
Report Date: April 2, 2019
Submitted by: Erica Ogden, Sarah Hodgkiss and Dallas Cundick

Subject: Planning Activity Summary
 February 1, 2019 to March 31, 2019

A summary of staff activity related to Municipal Plan Input and Review is presented below. This report covers the period from February 1, 2019 to March 31, 2019.

Municipal Plan Input and Review

File Reference: PL#2019-014

Municipality:	Adelaide-Metcalfe	Municipal Reference:	
Property Location:	3586 Sexton Road		

File Reference: PL#2019-024

Municipality:	Adelaide-Metcalfe	Municipal Reference:	A03/2019
Property Location:	14 Grogast Court		

File Reference: PL#2019-023

Municipality:	Adelaide-Metcalfe	Municipal Reference:	A02-2019
Property Location:	476 Second Street		

File Reference: PL#2019-026

Municipality:	Brooke-Alvinston	Municipal Reference:	A-001/19
Property Location:	6678 & 6680 Petrolia Line		

File Reference: PL#2019-007

Municipality:	Chatham-Kent	Municipal Reference:	
Property Location:	29065 Bluewater Crescent		

File Reference: PL#2019-021

Municipality:	Chatham-Kent	Municipal Reference:	
Property Location:	325 Metcalfe Street		

File Reference: PL#2018-120

Municipality:	Chatham-Kent	Municipal Reference:	
Property Location:	8132 & 8142 Starkweather Line		

File Reference: PL#2019-022

Municipality:	Chatham-Kent	Municipal Reference:	
Property Location:	525 to 595 Wallace Street		

File Reference: PL#2018-111

Municipality:	Enniskillen	Municipal Reference:	38T-07001
Property Location:	Country View Drive		

File Reference: PL#2019-036

Municipality:	Enniskillen	Municipal Reference:	B003/19
Property Location:	2624 Mandaumin Road		

File Reference: PL#2018-110

Municipality:	Enniskillen	Municipal Reference:	
Property Location:	First Ave		

File Reference: PL#2019-029

Municipality:	Enniskillen	Municipal Reference:	B002/19
Property Location:	4847 Shiloh Line		

File Reference: PL#2018-102

Municipality:	Lambton Shores	Municipal Reference:	
Property Location:	5478 Beach Street		

File Reference: PL#2018-087

Municipality:	Lambton Shores	Municipal Reference:	
Property Location:	Pt Lt 74&75, Lake Road W		

File Reference: PL#2019-028

Municipality:	Lambton Shores	Municipal Reference:	
Property Location:	12 Eureka Street		

File Reference: PL#2018-119

Municipality:	Middlesex Centre	Municipal Reference:	39T-MC0401
Property Location:	Timberwalk Trail Phase 2		

File Reference: PL#2019-008

Municipality:	Middlesex Centre	Municipal Reference:	ZBA 03 2019 39T-MC1901
Property Location:	Timberwalk Trail Phase 5		

File Reference: PL#2019-002

Municipality:	Middlesex Centre	Municipal Reference:	ZBA5/2019 A23/18
Property Location:	5233 Egremont Drive		

File Reference: PL#2018-019

Municipality:	Petrolia	Municipal Reference:	
Property Location:	First Ave & Garden Crs		

File Reference: PL#2018-100

Municipality:	Petrolia	Municipal Reference:	
Property Location:	Part Lot 11, Concession 11		

File Reference: PL#2018-055

Municipality:	Plympton-Wyoming	Municipal Reference:	38T-18003
Property Location:	3424 Egremont Road		

File Reference: PL#2018-007

Municipality:	Plympton-Wyoming	Municipal Reference:	OPA 46
Property Location:	3476 Lakeshore Road		

File Reference: PL#2018-040

Municipality:	Plympton-Wyoming	Municipal Reference:	B-03-19
Property Location:	3236 Devonshire Road		

File Reference: PL#2019-020

Municipality:	Plympton-Wyoming	Municipal Reference:	B02/19
Property Location:	7096 Bonnie Doone Road		

File Reference: PL#2019-031

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	3944 Egremont Road		

File Reference: PL#2019-035

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	3944 Egremont Road		

File Reference: PL#2019-033

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	3944 Egremont Road		

File Reference: PL#2018-045

Municipality:	Plympton-Wyoming	Municipal Reference:	OPA 39 ZBA16/2016 38T- 18005
Property Location:	5706 Lakeshore Road		

File Reference: PL#2018-062

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	7096 Bonnie Doone Road		

File Reference: PL#2018-112

Municipality:	Plympton-Wyoming	Municipal Reference:	OPA 32
Property Location:	Egremont Road		

File Reference: PL#2018-116

Municipality:	Plympton-Wyoming	Municipal Reference:	
Property Location:	3790 Lakeshore Road		

File Reference: PL#2018-028

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

File Reference: PL#2018-072

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

File Reference: PL#2018-118

Municipality:	Sarnia	Municipal Reference:	11-2018-85 SD2-2018, CD1-2018
Property Location:	1992 Estella Street		

File Reference: PL#2018-052

Municipality:	Sarnia	Municipal Reference:	
Property Location:	1273-1289 London Road		

File Reference: PL#2018-014

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

File Reference: PL#2018-108

Municipality:	Sarnia	Municipal Reference:	
Property Location:	1425 Vidal Street		

File Reference: PL#2019-030

Municipality:	Sarnia	Municipal Reference:	
Property Location:	1099 Finch Drive		

File Reference: PL#2019-025

Municipality:	Sarnia	Municipal Reference:	2-2019-85 of 2002 SD1-2019
Property Location:	The Rapids Parkway		

File Reference: PL#2019-019

Municipality:	Sarnia	Municipal Reference:	
Property Location:	1345 Christina Street North		

File Reference: PL#2019-013

Municipality:	Southwest Middlesex	Municipal Reference:	
Property Location:	48 York Street		

File Reference: PL#2018-043

Municipality:	St. Clair	Municipal Reference:	38T-18002
Property Location:	Hill Street (Pt Lt 27, Con 11)		

File Reference: PL#2019-017

Municipality:	St. Clair	Municipal Reference:	A01-19
Property Location:	1872 Kimball Road		

File Reference: PL#2019-016

Municipality:	St. Clair	Municipal Reference:	A-32-18
Property Location:	403 Beresford Street		

File Reference: PL#2019-015

Municipality:	St. Clair	Municipal Reference:	
Property Location:	4724 Riverside Drive		

File Reference: PL#2019-018

Municipality:	St. Clair	Municipal Reference:	A02-19
Property Location:	2811 St. Clair Parkway		

File Reference: PL#2019-034

Municipality:	St. Clair	Municipal Reference:	
Property Location:	3867 St. Clair Parkway		

File Reference: PL#2019-010

Municipality:	St. Clair	Municipal Reference:	A04/19
Property Location:	4683 Riverside Drive		

File Reference: PL#2019-027

Municipality:	St. Clair	Municipal Reference:	A-03-19
Property Location:	697 Catalpa Way		

File Reference: PL#2018-106

Municipality:	Strathroy-Caradoc	Municipal Reference:	
Property Location:	589 Victoria Street		

File Reference: PL#2018-074

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

File Reference: PL#2019-012

Municipality:	Strathroy-Caradoc	Municipal Reference:	B4-B8/19
Property Location:	York Street		

File Reference: PL#2018-017

Municipality:	Strathroy-Caradoc	Municipal Reference:	39T-SC1704
Property Location:	22828 Rougham Road		

File Reference: PL#2018-093

Municipality:	Strathroy-Caradoc	Municipal Reference:	
Property Location:	24321 Saxton Road		

File Reference: PL#2019-009

Municipality:	Strathroy-Caradoc	Municipal Reference:	A2/19
Property Location:	8476 Olde Drive		

File Reference: PL#2018-117

Municipality:	Strathroy-Caradoc	Municipal Reference:	
Property Location:	343 & 369 Metcalfe Street East		

File Reference: PL#2019-032

Municipality:	Warwick	Municipal Reference:	B-03-19
Property Location:	5433 Bethesda Road		

Total Plan Review Items: 58

Legal Inquiry Summary

LL#2019-012	Pt Lt 11, Con 2	Adelaide-Metcalfe
LL#2019-011	5909 Scotchmere Drive	Adelaide-Metcalfe
LL#2019-010	Pt Lt 26, Con 2 Gore	Chatham-Kent
LL#2019-005	Pt Lt 25, Con7	Dawn-Euphemia
LL#2019-006	Lot 25, Con 8	Dawn-Euphemia
LL#2019-008	452 Greenfield Street	Petrolia
LL#2019-017	3476 Michigan Line	Plympton-Wyoming
LL#2019-015	560 Exmouth Street	Sarnia
LL#2019-014	3955 Leeland Drive	St. Clair
LL#2019-009	130 & 150 St. Clair Parkway	St. Clair
LL#2019-007	8157 Inadale Drive	Strathroy-Caradoc
LL#2019-004	28648 Centre Road	Strathroy-Caradoc
LL#2019-013	8267 Inadale Drive	Strathroy-Caradoc
LL#2019-016	360A Caradoc Street South	Strathroy-Caradoc

Total Legal Inquiries: 14

Meeting Summary

Feb 13 – OPA 32 Meeting – D. Cundick, E. Ogden

Feb 15 – LPAT Webinar – E. Ogden

Feb 26 – Reflection Shores Teleconference – S. Hodgkiss, E. Ogden

Mar 4 – Presentation to Sarnia City Council, Bright's Grove Golf Course – E. Ogden

Mar 6 – Reflection Shores Meeting – S. Hodgkiss, E. Ogden

Mar 7 – Phosphorus Management Plan Working Group Meeting – S. Hodgkiss

Mar 27 to 29 – Low Impact Development Training – D. Cundick, S. Hodgkiss, E. Ogden

Meeting Date: April 18, 2019
Report Date: April 3, 2019
Submitted by: Kelli Smith

Item 12.3

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

Recommendation:

That the board acknowledges and concurs with the November 2018 to March 2019 municipal drain activity report associated with the Drainage Act and Conservation Authorities Act Protocol (DART)

Background:

SCRCA DART FILES

2018 NOVEMBER

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2939	Chatham-Kent	Dover	Coveny Drain	Bottom cleanout, brushing bank slope	2
2940	Chatham-Kent	Dover	O'Mara and 14 th Concession Drain	Bottom cleanout, brushing bank slope	2
2941	Chatham-Kent	Dover	Marden Drain	Bottom only cleanout	1
2942	Chatham-Kent	Dover	Roe Drain	Bottom cleanout, brushing bank slope	2
2943	St. Clair	Moore	Baxter Drain	Bottom cleanout, brushing bank slope	2
2944	Warwick	Warwick	Janes Drain	Brushing bank slope, spot cleanout	2

2947	Southwest Middlesex	Mosa	Government Drain No. 5 and 6	Bank repair or stabilization and pipe outlet repair	1
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SCRCA DART FILES

**2018
DECEMBER**

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2949	Chatham-Kent	Dover	Vanderveeken Drain	Bottom only cleanout	1
2950	St. Clair	Moore	Conboy Drain	Bottom cleanout, brushing bank slope, brushing top of bank	3
2951	St. Clair	Moore	Marsh Creek Drain	Bottom cleanout, brushing bank slope, brushing top of bank	3
2952	St. Clair	Moore	Allingham Drain	Bottom cleanout, brushing bank slope, brushing top of bank	3
2956	Southwest Middlesex	Mosa	McLachlan Drain	Beaver dam removal	1

SCRCA DART FILES

2019 JANUARY

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2962	Warwick	Warwick	Jones Bryce Drain	Brushing bank slope, bottom cleanout	2

SCRCA DART FILES**2019
FEBRUARY**

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2974	Warwick	Warwick	Leggate Drain	Bottom only cleanout plus one bank slope, brushing top of bank	2
2976	Enniskillen	Enniskillen	Marthaville Drain	Bottom only cleanout, brushing bank slope, brushing top of bank	3
2977	Brooke-Alvinston	Brooke	Watt Cran Drain	Bottom only cleanout, brushing bank slope, brushing top of bank	3
2985	Adelaide-Metcalf	Metcalf	Ward Drain	Bottom only cleanout plus one bank slope, bank repair or stabilization, brushing top of bank, brushing bank slope	4
2986	Southwest Middlesex	Mosa	King Drain	Culvert replacement	1

Prepared By: Tracy Prince
 April 1, 2019

ST CLAIR REGION CONSERVATION AUTHORITY
Statement of Revenue and Expenditure
For the Two Months Ended 28/02/2019

Item 13.1

	Actual To Date			Annual Budget		Variance from Budget	
	Revenue	Expenditures	Surplus (Deficit)	Revenue	Expenditures	Revenue	Expenditures
Flood Control & Erosion Control	\$958,491	\$51,479	\$907,012	\$1,032,200	\$1,032,200	(\$73,709)	(\$980,721)
Capital Projects/WECI	\$155,000	\$0	\$155,000	\$10,000	\$10,000	\$145,000	(\$10,000)
Conservation Area's Capital Development	\$0	\$4,203	(\$4,203)	\$119,000	\$119,000	(\$119,000)	(\$114,797)
IT Capital	\$3,224	\$0	\$3,224	\$19,200	\$19,200	(\$15,976)	(\$19,200)
Equipment	\$11,800	\$0	\$11,800	\$72,000	\$72,000	(\$60,200)	(\$72,000)
Planning & Regulations	\$238,524	\$73,420	\$165,104	\$487,594	\$487,594	(\$249,069)	(\$414,173)
Technical Studies	\$378,448	\$34,478	\$343,970	\$395,313	\$395,313	(\$16,865)	(\$360,835)
Recreation	\$119,293	\$22,296	\$96,996	\$1,329,011	\$1,329,011	(\$1,209,718)	(\$1,306,715)
Property Management	\$13,491	\$32,401	(\$18,910)	\$243,996	\$243,996	(\$230,505)	(\$211,595)
Education and Communication	\$90,714	\$39,334	\$51,380	\$226,640	\$226,640	(\$135,926)	(\$187,306)
Source Water Protection	\$60,000	\$29,568	\$30,432	\$226,000	\$226,000	(\$166,000)	(\$196,432)
Conservation Services/Healthy Watersheds	\$675,207	\$41,964	\$633,243	\$503,350	\$503,350	\$171,857	(\$461,386)
Administration/AOC Management	\$657,777	\$73,322	\$584,455	\$1,669,428	\$1,669,428	(\$1,011,651)	(\$1,596,107)
	\$3,361,969	\$402,466	\$2,959,503	\$6,333,732	\$6,333,732	(\$2,971,763)	(\$5,931,266)

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: January to March 2019**

Item 13.2
Sarah Kellestine

CHQ. #	DATE	VENDOR	DESCRIPTION	AMOUNT
20255	1/11/2019	Atlantis Marine Construction Canada Inc	Shoreline Project	\$ 55,773.41
20272	1/11/2019	SHOREPLAN ENGINEERING LTD.	Shoreline Project	\$ 15,414.26
20278	2/5/2019	CITY OF SARNIA	Shoreline Project	\$ 62,886.08
20279	2/5/2019	CONSERVATION ONTARIO	Levy	\$ 16,387.00
				\$ 150,460.75

TOTAL CHEQUE DISBURSEMENTS - BANK #1 -

INTERNET BANKING November and Dec 2018

TRANS #	DATE	VENDOR	DESCRIPTION	AMOUNT
9140	1/31/2019	Canada Revenue Agency - HST	HST	\$ 11,736.85
9147	1/31/2019	OMERS	Pension	\$ 34,363.44
9150	1/31/2019	RECEIVER GENERAL	Source Deductions	\$ 52,314.08
9152	1/31/2019	RWAM Insurance Administrators Inc	Group Benfits	\$ 15,377.27
9155	1/31/2019	Township of St. Clair - Property Taxes	Property Taxes	\$ 16,786.99
9158	1/31/2019	WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 5,413.28
9169	2/28/2019	MASTERCARD	Employee Expenses	\$ 6,570.22
9172	2/28/2019	Municipality of Chatham-Kent - Property Taxes	Property Taxes	\$ 5,134.34
9177	2/28/2019	OMERS	Pension	\$ 35,771.12
9180	2/28/2019	RECEIVER GENERAL	Source Deductions	\$ 52,247.04
9182	2/28/2019	RWAM Insurance Administrators Inc	Group Benfits	\$ 15,468.09
9188	2/28/2019	WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 5,355.38
9200	3/31/2019	OMERS	Pension	\$ 35,956.78
9203	3/31/2019	RECEIVER GENERAL	Source Deductions	\$ 56,422.14
9205	3/31/2019	RWAM Insurance Administrators Inc	Group Benfits	\$ 14,883.86
9208	3/31/2019	WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 5,761.55
				\$ 369,562.43

TOTAL INTERNET DISBURSEMENTS - BANK NO. 1 -

PAYROLL RUNS

PAYROLL NO. 1	\$	56,013.69
PAYROLL NO. 2	\$	56,863.90
PAYROLL NO. 3	\$	57,941.80
PAYROLL NO. 4	\$	56,199.66
PAYROLL NO. 5	\$	58,193.94
PAYROLL NO. 6	\$	68,033.51

TOTAL PAYROLL RUNS -

TOTAL DISBURSEMENTS -

\$ 353,246.50
\$ 873,269.68

2019 GENERAL LEVY SUMMARY

GLYSUM2019
Sarah Kellestine
31-Mar-18

MUNICIPALITY	GROSS LEVY	PAID TO DATE	OUTSTANDING
Sarnia	\$ 353,626.00	\$ 88,406.50	\$ 265,219.50
Chatham-Kent	118,634.00		118,634.00
Brooke-Alvinston Twp.	15,385.00	15,385.00	0.00
Dawn Euphemia Twp.	23,374.00	5,843.50	17,530.50
Enniskillen Twp.	16,921.00		16,921.00
Lambton Shores M.	45,230.00		45,230.00
Oil Springs V	1,812.00		1,812.00
Petrolia T	23,039.00	23,039.00	0.00
Plympton-Wyoming T	48,311.00	24,155.50	24,155.50
Point Edward V	20,793.00	20,793.00	0.00
St. Clair Twp.	101,551.00		101,551.00
Warwick Twp.	19,752.00		19,752.00
Adelaide Metcalfe Twp.	16,811.00		16,811.00
Middlesex Centre Twp.	19,494.00	19,494.00	0.00
Newbury V	1,396.00		1,396.00
Southwest Middlesex M.	10,537.00		10,537.00
Strathroy-Caradoc M.	77,085.00		77,085.00
TOTAL	\$ 913,751.00	\$ 197,116.50	\$ 716,634.50

Item 13.4

Non-registered account #440-17189-13

March 31, 2019

JTA3940007 E D

03440

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 Jan 1, 2019	Closing Value Mar 31, 2019	Balance on Mar 31, 2019 (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 Dec 31, 2018	1,434,690.61

You can access up-to-date account information online through BMO Nesbitt Burns Gateway at: www.gateway.bmonesbittburns.com. To register for Gateway, please contact your Investment Advisor.

▶ We're here to help

We're dedicated to helping you succeed in meeting all of your wealth management goals. Call any member of our team referenced below if you have questions about **Your Investment Report**.

JONATHAN BATCH
Investment Advisor
519-646-3044

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

MICHAEL COONEY
Branch Manager
(519) 672-8560

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

Non-registered account #440-17189-13

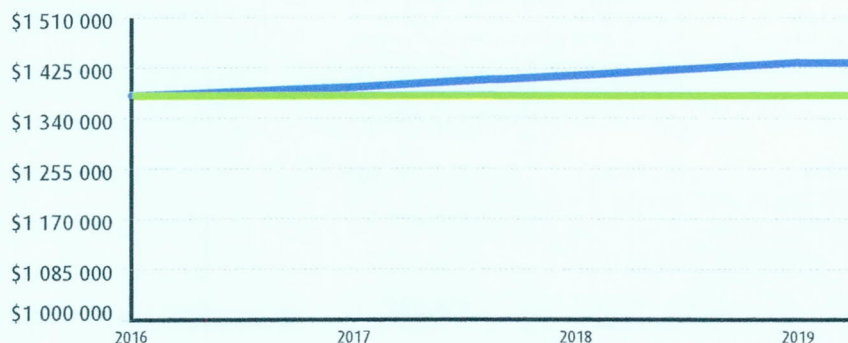
March 31, 2019

▶ 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.

	This Year (2019)	Since January 1, 2016
Opening Value	1,434,690.61	1,379,179.68
Deposited	+ 0.00	+ 0.00
Withdrawn	- 0.00	- 0.00
Net Invested	= 0.00	= 0.00
Change In Market Value	+ 0.00	+ 55,510.93
Closing Value on Mar 31, 2019	1,434,690.61	1,434,690.61

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



● MARKET VALUE
● NET INVESTED

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

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

▶ 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



Investments held in your account have been chosen based on objectives you selected on the Client Account Agreement. As your circumstances change, it is important to talk to your Investment Advisor about updating these objectives.

Non-registered account #440-17189-13

March 31, 2019

Your Canadian Dollar Investments

All amounts are reported in Canadian Dollars.

▶ Your investment details

	Quantity	Cost		Market Value on March 31, 2019	
		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
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



Non-registered account #440-17189-13

March 31, 2019

Your Canadian Dollar Investments (continued)

All amounts are reported in Canadian Dollars.

▶ Your investment details (continued)

	Cost			Market Value on March 31, 2019	
	Quantity	Per Unit	Total	Per Unit	Total
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".

▶ Account activity for this month

Date	Activity	Description	Quantity	Unit Price	Commission	Amount
Cash Account						
Jan 1, 2019		Opening Cash Balance				5,690.61
		No Account Activity				
Mar 31, 2019		Closing Cash Balance				5,690.61

This report includes activity recorded in your account since your last statement. For a more comprehensive listing of your account activity, sign into your BMO Nesbitt Burns Gateway account.

JTA3940007-0020638-03440

Non-registered account #440-17189-13

March 31, 2019

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 payments we receive from third parties.

See examples of operating charges in "Important Information about your Account". Some fees and charges may be reported as before-tax amounts and applicable tax is reported separately within the 'Sales Tax' line item. Where this is not possible the sales tax is included within the line item.

	CAD (\$)
Operating charges	
Total operating charges	0.00
Transaction charges	
Total transaction charges	0.00
Total fees you paid in 2019	0.00

▶ Payments BMO received from third parties

	CAD (\$)
Total payments BMO Nesbitt Burns received from third parties in 2019	0.00

▶ Bulletin board

The USD/CAD conversion rate is: 1.3353, as of March 31, 2019



ACPC07 - 7118
 SWSTM11000_1935536_001 E D

02383 

Account Number: **460-16010**
 Account Type: Regular Account
 For the Period: **March 1 to 29, 2019**
 Last Statement: February 28, 2019

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

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

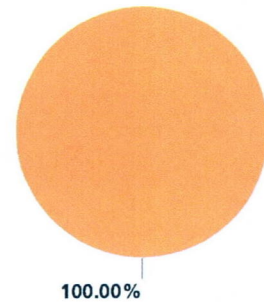
Your Investment Team

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

CANADIAN Account Overview

Currency: Canadian Dollar

Asset Class Summary	Mar. 29, 2019 Market Value	% of Total Assets
 Fixed Income	756,761	100.00
Total Value of Account	\$756,761	100.00
Total Value on Last Statement, February 28, 2019	\$746,501	



JTA3936893-0014283-02383-0003-0001-00-

Details of Your Account Holdings

Type	Security Description	Quantity	Average Cost	Adjusted Book Value	Market Price	Market Value
Fixed Income						
CASH	MACKENZIE GLOBAL TACTICAL INVESTMENT GRADE BD FD SERIES F (4807)	23,378.624	9.985	233,456	9.550	223,266
CASH	MANULIFE STRATEGIC INCOME FUND CL F NL (659)	6,545.944	12.696	83,109	11.834	77,465
CASH	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505)	16,336.218	14.464	236,294	14.171	231,501
CASH	SIGNATURE CANADIAN BOND CORP CLASS EF NL (15137)	21,741.949	10.282	223,555	10.327	224,529
Total Fixed Income						\$756,761
Total Account Holdings				\$776,414	\$756,761	

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
Mar. 01, 2019	CASH	DIVIDEND	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505) REINVEST 02/28/19 @ \$14.0928 PLUS FRACTIONS OF 0.119 BOOK VALUE \$734.50	52		
Mar. 25, 2019	CASH	DIVIDEND	MACKENZIE GLOBAL TACTICAL INVESTMENT GRADE BD FD SERIES F (4807) REINVEST 03/22/19 @ \$9.5718 PLUS FRACTIONS OF 0.416 BOOK VALUE \$578.29	60		
Mar. 25, 2019	CASH	DIVIDEND	SIGNATURE CANADIAN BOND	34		

Monthly Activity - continued

Date	Type	Activity	Description	Quantity	Price	Credit/Debit(-)
			CORP CLASS EF NL (15137) REINVEST 03/22/19 @ \$10.3439 PLUS FRACTIONS OF 0.086 BOOK VALUE \$352.58			

Closing Cash Balance **\$0.00**

Summary

Income Summary

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



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A Note From ScotiaMcLeod

Tax Slips

In an effort to help you file your tax return as early as possible, we have launched a tax website which includes a schedule of expected mailing dates for your tax slips. Visit our new tax website at www.scotiawealthmanagement.com/tax.

Note: Your tax slips will be mailed shortly after receiving tax information from the issuer and will be in accordance with Canada Revenue Agency (CRA) and Internal Revenue Service (IRS) regulations. Please ensure you have all your tax slips prior to filing your tax returns.

If you have any questions regarding your tax slips, please contact your Wealth Advisor.

Disclosures on Trade Confirmations and Account Statements

Please be advised that due to a technical error, trade confirmations and account statements sent to clients prior to October 2018 may not have reflected the Bank of Nova Scotia's status as a related or connected issuer for certain Bank of Nova Scotia securities purchased by clients. The technical error has since been corrected.

Please note that a list of related or connected issuers is available via our Statement of Policies, which is posted on our website at https://www.scotiawealthmanagement.com/content/dam/scotiabank/canada/common/documents/pdf/scotiamcleod/statement_of_policies_english.pdf and available upon request.

Should you have any questions about this matter, please contact your Wealth Advisor.

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:	
Speculative Trading:	

Risk Tolerance

Low:	85%
Medium:	15%
High:	

Overall Investment Knowledge

Investment Knowledge:	Medium
-----------------------	--------

Time Horizon

Long Term:	7+ Years
------------	----------

JTA3936693-0014286-02383

SCRCA Joint Health & Safety Committee Meeting Minutes – Wednesday, November 28, 2018, 8:30 am			Lower Board Room 205 Mill Pond Cres. Strathroy, ON		
Meeting called by:		JHSC Committee		Type of meeting:	Quarterly
Facilitator:		K. Baker	Minutes:	Dallas Cundick	
Attendees:		K. Baker, 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:	
<i>Agenda Items</i>					
1. Motion to approve September 26, 2018 meeting minutes Moved by: Sarah Seconded By: Dallas 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 Upper Thames Evacuation Policy <ul style="list-style-type: none"> ○ Muster point in parking lot, with 'evacuation area' sign ○ Each unit gather together, buddy system, have calendar up to date ○ Staff assigned to different areas of the building to do a sweep on their way out, have back up sweepers <ul style="list-style-type: none"> ▪ Complete update of evacuation plan, supervisor role, unit role ▪ December Staff meeting review evacuation policy. ▪ Evacuation Area Muster Point. • Maple Syrup Production Policy – Update re finalization <ul style="list-style-type: none"> ○ Sharon has reviewed and made changes, has provided to Donna for final review, who will report back prior to next H&S meeting • Scent-free policy <ul style="list-style-type: none"> ○ Review UTRCA policy <ul style="list-style-type: none"> ▪ Update to Admin manual ▪ Posted ▪ Ready to review at December staff meeting Glenn Baxter to report on: <ul style="list-style-type: none"> • Fall arrest policy – Review feedback <ul style="list-style-type: none"> ○ Accept additions in manual Dallas Cundick to report on: <ul style="list-style-type: none"> • Harassment Investigation <ul style="list-style-type: none"> ○ Incident was contact through social media 					

- Update to December staff meeting FYI, security settings, etc.
- Chemical storage at McKeough
 - Work in progress - issue has been brought forward to the manager.
 - Dallas and Girish discussed options in July and met in August.
 - Girish is looking into having an external inspector to assess the safety of the storage of chemicals, working next to electrical panel, etc.
 - JHSC staff can suggest potential external inspectors (contact the company that did JHSC training?)
 - Dallas to follow up with Girish to make arrangements for inspection
 - Training organizations place to start to find qualified individual, JHSC to look for name/contact to provide Girish
 - Kevan discussed storage options off site, both at Bannerstone and McLean, for items such as sandbags that aren't frequently used

Kevan Baker to report on:

- Update re Evacuation Accountability Policy
 - See above, use existing with sign, Tracy to work with Chris to finalize staff list available electronically at Muster Point
- Workplace Violence and Harassment Policy
 - Under review by management
 - Finalized
 - **Action:** Once final approval rec'd from management, send to all staff, discuss use of forms at next staff meeting
 - Finalized, send, update at December staff meeting
- Tick safety
 - Update from Kevan re reporting form (Tracy developing) for staff returning to the office from the field to note if ticks were present/attached/etc.
 - To have ready to implement for 2019 field season

3. Area Reports & Workplace Inspections

3.1 LCH, WWK - (Glenn)

LCH Complete, Warwick to be completed today

3.2 LCH Education Centre – (Glenn)

Complete

4. New Business

4.1 Management Rep for 2019

- Ongoing - Update from Kevan
 - No official decision
 - JHSC review determines JHSC can meet legislative obligations with Dallas as Management Rep and Glenn and Jeff for start of 2019;
 - Report back before December full staff meeting to determine if JHSC should proceed with Worker Rep Nomination
 - Minimum have nomination for Jeff Sharp who wishes to stand

4.2 Update regarding JHSC worker members to replace Sarah at end of term, and if Dallas moves to management rep

- Action: hold a worker rep vote at December staff meeting, send a reminder email to staff

4.3 Staff First Aid Training

- Group first aid training for staff planned early 2019 as many staff certifications are expiring
 - First Aid Dates booked: 2 day training on March 4 and 5th
 - Ask Ashely to send out appropriate calendar invites, need to specify if all staff invited or only selected individuals
 - Update regarding purchase of AED for main office
 - Interested in getting for Campbell and Strathroy Office, ask Ashley if she can look into
- Two lands staff completed chainsaw certification course in October (Jessy VanderVaart, Scott O'Brien)

4.4 WHMIS 2015

- Glen to Report findings whether our documents are found consistent with WHMIS 2015
 - Warwick up to date with labels
 - Continue review with other workplaces during 2019 workplace inspections

4.6 JHSC 2019

- Determine meeting dates for 2019
 - March 20, 2019 at SCRCA Office, Strathroy, ON
Dallas Cundick to chair
 - June 19, 2019, at SCRCA Office, Strathroy, ON
Glenn Baxter to chair
 - September 18, 2019 at SCRCA Office, Strathroy, ON
Glenn Baxter to chair
 - November 20, 2019 at SCRCA Office, Strathroy, ON
Dallas Cundick to chair

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: March 20, 2019

7. Adjournment

Moved by: Sarah

Seconded by: Kevan

Carried		
Misc. Information		
Contacts:	<p>Worker Co-chair:</p> <p>Management Co-chair:</p> <p>Workplace Inspectors:</p> <p>Worker Reps.:</p> <p>Meeting Recorder:</p>	<p>Sarah Hodgkiss</p> <p>Kevan Baker</p> <p>Sarah Hodgkiss, Glenn Baxter, Dallas Cundick, Kevan Baker</p> <p>Glenn Baxter, Sarah Hodgkiss, Dallas Cundick</p> <p>Eva Baker</p>



March 26, 2019

Signature of Co-Chair

Date



March 26, 2019

Signature of Co-Chair

Date

Meeting Date: April 18, 2019 **Item 14.1**
Report Date: April 2, 2019
Submitted by: Kelly Johnson

Subject: St. Clair River Area of Concern Update

Recommendation:

That the Board of Directors acknowledges the St. Clair River Area of Concern (AOC) report dated April 2, 2019.

Update:

The Binational Public Advisory Council (BPAC) held their last meeting on January 24, 2019 at the ARLANXEO facility in Sarnia, Ontario. At this meeting ARLANXEO gave a presentation to the BPAC focussed on their safety protocols and environmental safeguards. The next BPAC meeting is being held on April 4, 2019 at the St. Clair Power Plant in East China, Michigan.

On February 21, 2019 Kelly Johnson, St. Clair River RAP Coordinator, participated in the Lake Huron Centre for Coastal Conservation's Speaker Series held in Sarnia, Ontario. Kelly provided the audience with a broad overview of the St. Clair River AOC and highlighted progress that has been made towards delisting of the St. Clair River.

The St. Clair River Science Symposium is being held in Sombra, Ontario on the evening of April 10, 2019. This is a free event open to the public and will feature informative presentations on fish diversity, health and habitat. A buffet dinner will be held prior to the presentations. The Symposium is being hosted by Environment and Climate Change Canada, Aamjiwnaang First Nation, and Walpole Island First Nation.

Kelly has or will be participating in the following outreach events in the AOC:

- St. Clair River Days – Aamjiwnaang First Nation, March 6, 2019
- Aamjiwnaang Earth Day Event – Aamjiwnaang First Nation, April 27, 2019
- Lambton Heritage Museum Speaker Series – Grand Bend, May 8, 2019

As mentioned in the December 2018 St. Clair River AOC update, the Canadian Remedial Action Plan Implementation Committee (CRIC) is working to finalize the 2012 – 2017 Accomplishments Report. The document is currently in the final stages of editing and will be printed and available to the public by the end of April 2019.

Meeting Date: April 18, 2019
Report Date: April 1, 2019
Submitted by: Donna Blue

Item 14.2

Subject: SCRCA Project Tour - 2019

Recommendation:

That the Board of Directors acknowledges the report dated April 1, 2019 on the proposed project tour scheduled for June 27, 2019.

SCRCA Project Tour 2019:

Staff are proposing a Conservation Authority Project Tour on Thursday, June 27, 2019 from 8:30 am to 12:00 pm. The bus will leave and return to the Warwick Conservation Area located at 6101 Warwick Village Road. Lunch will be provided and will be followed by the Board meeting. In 2019, the project tour will focus on the northern region of our watershed.

Proposed Tour Highlights:

- Lambton County Phragmites Partnership
- Healthy Lake Huron Program and Agricultural Outreach
- Esli Dodge Conservation Area, Forest
- TD Tree Days, Forest
- Highway 402 Tree Planting
- C.J. McEwen and/or Highland Glen Conservation Areas
- Lambton County Heritage Forest

Elementary school students visited the A.W. Campbell Conservation Area to get a first-hand look at how maple syrup production has evolved throughout the years. Pictured left is a student taking part in the maple syrup sap collection activity.

Special Events:

Maple Syrup Festival

Over 800 community members visited the Alvinston Maple Syrup Festival at AW Campbell Conservation Area March 16th and 17th. Bright sunny days and cold frosty nights made for great weather conditions and helped to keep the ground a little less muddy.



Visitors enjoyed a guided tour of the A.W. Campbell sugar bush at the 2019 Maple Syrup Festival.

Canoe Race

April 28th is set aside for this year's paddle down the Sydenham. Find a partner and enjoy the beauty of the river; Board Members are encouraged to come and join the fun! Registration begins at 10:00 a.m.

River Rap Program Secondary School Expansion:

Pilot programs are being run April 1-16th for this new program expansion. The program is designed to meet the needs of multiple curriculums (ex. Biology, Chemistry, Geography) allowing for high numbers of classes to participate. This new program focuses on the issue of excessive phosphorus in Lake Erie & is intended to give youth a voice in the development of the 'Sydenham River Phosphorus Management Plan'.

New Secondary School Environmental Partnership:

Education Staff have formed a new partnership with Strathroy District Collegiate Institute, as they begin a new 3-credit Environment course in conjunction with a new Environment SHSM. This means Strathroy secondary students now have opportunity to specialize their education toward future environmental studies. SCRCA is excited to assist SDCI wherever possible, to ensure this program's success.

ICE Training

ICE (Innovation, Creativity and Entrepreneurship) training partnerships continue to grow. SCRCA education staff have two training sessions planned for spring 2019. One partnership with St. François Xavier French Catholic School, Sarnia, will focus on coping with mental health issues amid today's stresses by spending time in nature. The other training with Strathroy District Collegiate Institute, in Strathroy will focus on forest management in local Conservation Areas, in particular managing community safety/accessibility in the presence of beavers at Strathroy CA.

Fun Fest

SCRCA staff will be participating in Kids Fun Fest 2019 on Saturday June 8th in Sarnia. The booth will promote camping and other SCRCA programs. SCRCA staff will provide children with a hands-on nature themed activity. Past years have included themes such as nest building, mud painting, temporary nature art, and nature-themed games.