



Board of Directors - Notice of Meeting
September 15th - 10:00 a.m.,
Administration Office, Strathroy

Tentative Agenda

1. Chair's Remarks
2. Declaration of Pecuniary Interests
3. Minutes
4. General Manager's Report
 - (i) GM's Report
 - (ii) West Ipperwash Beach
5. Chair & Conservation Ontario Report
 - (i) CO June 27, 2016 minutes
6. Business Arising from last meeting
7. Conservation Area Reports
 - (i) Conservation Areas Update
 - (ii) Highland Glen Conservation Area & Boat Ramp
 - (iii) Maple Syrup Festival and Sugar Shack Report
 - (iv) McKeough Dam and Upstream Lands
8. Water Resources Reports
 - (i) Current Watershed Conditions
 - (ii) WECI Projects
9. Biology Reports
 - (i) Municipal Drain Review
 - (ii) Healthy Watershed Program Outreach Events
 - (iii) Healthy Watershed Program confirmed Funding
 - (iv) Reptiles at Risk
 - (v) Bear Creek Barrier Removal Project
 - (vi) Partnership with MNRF to evaluate wetlands
10. Conservation Services Report
 - (i) Lambton Shores Coastal Wetland Phragmites Control Program
 - (ii) West Nile Virus – Lambton County Mosquito Control Program
 - (iii) Large Stock Tree Program
 - (iv) Conservation Services Programs
11. Planning & Research Reports
 - (i) Monthly Planning Activity Summary Report
 - (ii) DART Activities
 - (iii) St. Clair River AOC
 - (iv) West Ipperwash Dynamic Beach Limit Assessment
 - (v) Regulations Activity Report
 - (vi) 3917 Tile Yard Road Report

12. Finance Reports
 - (i) Revenue & Expenditure Report
 - (ii) June, July, August Disbursements
 - (iii) 2016 General Levy Update
 - (iv) 2017 Preliminary Forecast Budget
 - (v) 2017 Preliminary Fees
 - (vi) Investment Analysis
13. Communications Reports
 - (i) Communications, Conservation Education, Coming Events & Scholarship Reports
 - (ii) Conservation Strategy
14. New Business
15. Adjournment

Please contact Marlene (call 519-245-3710, 1-866-505-3710 or e-mail mdorrestyn@scrca.on.ca) at the Administration Office by September 12, if you are unable to attend.

September 15, 2016

Board of Directors Proposed Resolutions

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.(i) Moved by: _____ Seconded by: _____
That the minutes of the Board of Directors meeting, held June 23, 2016, be approved as distributed.

- 4.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the General Manager's report, dated September 1, 2016.

- 4.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report, dated September 1, 2016 regarding west Ipperwash beach and a request for support from the West Ipperwash Property Owners Association and further _____

_____.

- 5.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the minutes of the June 27, 2016, Conservation Ontario Council meeting minutes.

- 6.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the updates on business arising from the June 23, 2016, meeting.

- 7.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the Conservation Lands Update, dated August 18, 2016 on Conservation Areas, Foundation, McKeough and Lambton County Lands including capital projects, facility improvements and camping trends in 2016.

- 7.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated August 25, 2016 on the Highland Glen Conservation Area and Boat Ramp fee options and approves the implementation of fees using the McKay Pay system for 2017.

- 7.(iii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the Maple Syrup Festival and Sugar Shack report, dated August 25, 2016 and further directs staff to continue to prepare for the 2017 Festival and to investigate outside funding opportunities to assist in the replacement of the Sugar Shack.

- 7.(iv) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report date August 25, 2016 regarding McKeough Dam and upstream lands projects.
- 8.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated August 25, 2016, on the current watershed conditions, flood risk and Great Lakes water levels.
- 8.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated August 26, 2016 on the ongoing Water and Erosion Control Infrastructure projects across the watershed.
- 9.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the status report dated September 1, 2016, summarizing Municipal Drain Review activities and a proposed \$300 fee for the review of new works proposed for municipal drains.
- 9.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the status report dated September 1, 2016, regarding the Healthy Watershed Program Outreach events, including a GLASI Soil Health bus tour and other upcoming events.
9. (iii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated September 1, 2016, on the Healthy Watershed Program and confirmed funding from Environment and Climate Change Canada, Ontario Ministry of Environment and Climate Change, and TD Tree Days.
9. (iv) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated September 1, 2016, on the Reptiles at Risk program, including highlights of recent surveys for turtles.
9. (v) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated September 1, regarding the progress of the Bear Creek barrier removal project.
9. (vi) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated September 3, 2016, regarding a partnership with the Ministry of Natural Resources and Forestry (MNR) and funding from the Great Lakes Sustainability Fund (GLSF) to evaluate wetlands in the St. Clair Region.

- 10.(i) Moved by: Seconded by:
That the Board of Directors acknowledges the status report dated September 1, 2016, regarding the Lambton Shores Coastal Wetland Phragmites Control Project and approved funding support from Great Lakes Guardian Fund.
- 10.(ii) Moved by: Seconded by:
That the Board of Directors acknowledges the status report dated September 1, 2016, regarding West Nile Virus – Lambton County Mosquito Control Program.
- 10.(iii) Moved by: Seconded by:
That the Board of Directors acknowledges the status report dated September 1, 2016, regarding the Authority's large stock tree programs and opportunities for municipal involvement.
- 10.(iv) Moved by: Seconded by:
That the Board of Directors acknowledges the status report dated September 1, 2016, regarding conservation services programs across the watershed including approved funding from Ministry of Natural Resources and Forests Species at Risk Program, spring tree planting survival & maintenance and other vegetation control programs.
- 11.(i) Moved by: Seconded by:
That the Board of Directors acknowledges the St. Clair Region Conservation Authority's monthly Planning Activity Summary Reports for June, July and August, 2016.
- 11.(ii) Moved by: Seconded by:
That the Board of Directors acknowledges the report on Drainage Act and Conservation Authority Act Protocol (DART) Municipal drain activities for June, July and August 2016.
- 11.(iii) Moved by: Seconded by:
That the Board of Directors acknowledges the report dated August 22, 2016, on the St. Clair River Area of Concern program.
- 11.(iv) Moved by: Seconded by:
That the Board of Directors acknowledges the update report, dated August 24, 2016, on the 2016 West Ipperwash Dynamic Beach Limit Assessment which is a scientific analysis utilizing accepted coastal engineering principles, the public consultation session held August 30, 2016 and further acknowledges the receipt of Chippewas of Kettle & Stony Point First Nation Consultation and Accommodation Protocol, August 2013.

- 11.(v) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges and concurs with the Regulations Activity Report on *"Development, Interference with Wetlands & Alterations to Shorelines & Watercourses"* Regulations (Ontario Regulation 171/06), dated August 31, 2016.
- 11.(vi) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the status report on the Regulations Activity on property 3917 Tile Yard Road, dated August 31, 2016.
- 12.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the revenue and expenditure report to July 31, 2016, as it relates to the budget.
- 12.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors approves the June to August 2016 disbursements as presented in the amount of \$1,552,030.83
- 12.(iii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the status report on the 2016 general levy receipts to August 26, 2016.
- 12.(iv) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the 2017 preliminary draft budget of \$5,159,640 with a proposed municipal general levy of \$778,855 and further that this preliminary budget be revised subject to receipt of the Modified Current Value Assessment calculations from the Ministry of Natural Resources and circulated to member municipalities for information and input based on our budget review process.
- 12.(v) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the Draft 2017 fees excluding Camping fees to assist municipalities with their budget deliberations.
- 12.(vi) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the staff report, dated August 16, 2016, regarding Investment analysis.
- 13.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the Communications Report, dated August 26, 2016, including information regarding Conservation Education, Coming Events and Conservation Scholarships.

Staff Report



To: Board of Directors
Date: September 1, 2016
From: Brian McDougall, General Manager
Subject: General Manager's Report

Conservation Authorities Act Review

- ∞ the Authority's formal comments on Environmental Registry posting #012-7583 – Conserving Our Future: Proposed Priorities For Renewal were submitted on August 19, 2016 – no comments or changes were request subsequent to the presentation and approval at the June 23, 2016 Board meeting
- ∞ comments from some other organizations are beginning to circulate in advance of the September 9, 2016 deadline – complete copies can be made available upon request, but I provide the following notes for information



- the Association of Municipalities of Ontario (AMO) provided 4 pages of comments based around 3 themes:
 - Roles & Responsibility: Clarity but One Size Does Not Fit All
 - create a Conservation Authority framework that fosters harmonization while recognizing that different areas of the province have different needs for watershed management and different abilities to meet those needs
 - Service Standards and Approaches
 - timelines, advice and permits delivered by the CAs should be established within the context of other land use planning timeframes
 - protecting natural heritage and avoiding hazard risks is in the provincial interest, there has been a call since the outset of this process to reinstate funding support and address inflationary increases
 - The Board & Governance
 - the current Board makeup is appropriate and accountable

- The Ontario Landowners Association (OLA) provided 57 pages of comments focused around 5 statements (subject to this disclaimer - *The OLA, including any of its members or staff are not lawyers and any information provided or communicated is not legal advice or counsel. It is for informational purposes only. Please seek legal advice from your lawyer.*):
 - that the Conservation Authorities, in conjunction with Conservation Ontario, are wasting tax-payer's money and have created a conflict between the C.A.'s and other superior governmental entities, making the C.A.'s and Conservation Ontario redundant;
 - there is already a legislated mandate, preamble and object/purpose to the Conservation Authorities;
 - that Municipal Councils need to re-establish their authority over the Conservation Authorities;
 - that the Conservation Authorities do not need any new or extra authority or ability to implement any new regulation or policies;
 - that Conservation Authorities are not using actualities through science, but are merely guessing at what is or is not going to or is happening. Best estimates and simulations are not fact.

Going Digital

- in drafting the 2017 budget, staff have been investigating all opportunities for cost savings
- one of the cost saving measures that we continue to move forward on is eliminating or where necessary reducing the use of paper in our business operations
- as staff become accustomed to this, we are seeking confirmation from the Board of Directors that we can proceed in converting to a digital Board package
- this would achieve cost savings in both printing and courier costs
- implementation would be subject to hardware, software and connectivity abilities for all members
- without objection, we are planning to begin using a digital board package in November

Staff Report

4. (ii)



To: Board of Directors
Date: September 1, 2016
From: Brian McDougall, General Manager
Subject: West Ipperwash Beach Clean Up Support Request

- as a result of the significant debris deposit on Ipperwash Beach this spring, we have been contacted by not only the West Ipperwash Property Owners Association (WIPOA), but also Lambton Shores and the Centre Ipperwash Community Association (CICA)
- erosion (and the resulting deposition) is a natural process and one of the negatives of owning property on the Great Lakes, however the volume of debris that was deposited on the beaches of Ipperwash in the spring of 2016 was almost unprecedented
- the following email, photos and news article outline the issues experienced in 2016 as well as concerns for 2017
- two requests to the Authority are outlined in the e-mail
 - *“We would like SCRCA to help us apply and attain a grant from Ontario 150 Community Capital Program and Canada 150 Community Infrastructure Program.”*
 - unfortunately, Canada 150 Program applications had to be submitted in June 2016
 - Ontario 150 Program applications are due September 14, 2016
 - unfortunately, due to our assets exceeding our annual budget, neither the Authority nor the St. Clair Region Conservation Foundation are eligible to apply as the principle organization – we can partner with another organization who would be the applicant but there are requirements for those organizations as well
 - this information has been communicated to WIPOA in order for them to seek another partner or apply directly for these funds
 - *“Also we would like to be considered for a grant from the St. Clair Region Conservation Foundation”*
 - in order for the Foundation provide funds to support these clean up efforts the works would have to be accepted by the Board as a project of the Authority
- we have partnered with several other organizations in obtaining funds for projects in the past
 - Lambton Shores Phragmites Group – partnered to obtain Great Lakes Guardian funding
 - Friends of the St. Clair River – partnered to obtain Trillium funding for Courtright Waterfront Shore Protection.

- we are partnering on two projects being submitted under the Ontario 150 Program
- partnering with Friends of St. Clair River regarding shore protection and improvements at Courtright Park in St. Clair Township
 - partnering with Bluewater Anglers regarding Highland Glen Boat Ramp improvements

From: Guy Riopelle (Mayne) [mailto:guyr@gomayne.com]
Sent: Friday, August 19, 2016 4:44 PM
To: Brian McDougall <bmcdougall@scrca.on.ca>; Guy Riopelle (Mayne) <guyr@gomayne.com>
Cc: Gerry Rupke <grupke@execulink.com>
Subject: Beach front clean up support.

Hello Brian,

Thank you for your time and guidance today it was much appreciated.

We at WIPOA will be looking for support to clean and keep the beach clean next summer starting in April 2017.

This past year with water levels rising, the debris that accumulated after normal winter weather was unprecedented. At right is an pre clean up image in early May.

We have removed in excess of 450 truckloads of debris and black mulch from May 1 to mid-July. It made an impact as the amount that drifted in and out during storms has diminished drastically. A news article from the Lakeshore Advance May 13, 2016 is provided at the end of this e-mail.





As the summer progressed, we would pile it and have it removed.

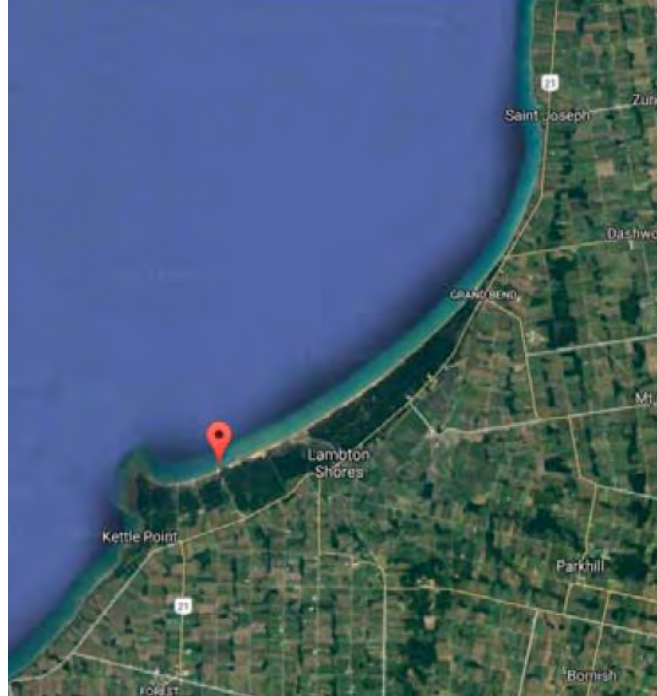
Do to the unique locations of the shoreline it has been a “catch bases” for debris, field run off, garbage etc. The link below shows the most affected area.



This image shows West Ipperwash shoreline is located like a hook to trap a lot of debris.

We believe this is a natural phenomenon that is only heightened due to the high water levels. As the rivers and streams that feed into Lake Huron along with the erosion of the nature sand dunes dump much higher volume of debris it is then deposited along this part of the shoreline.

We have begun to prepare for 2017 in anticipation of the water levels continuing to rise thus the debris being dumped as well.



Clean ups consist of two dump trucks as well as one or two backhoes. CKSP has allowed us the bring the debris to a piece of property then they spread it, they have also supplied a dump truck when available.

We anticipate requiring 10 cleanups next summer at an average cost of \$2,500. Starting in early April and ending by August 1st that will be from Center Rd to West Ipperwash Rd. However, a majority (and multiple) clean-up will happen near the center by the stone reef.

A few notes:

- if the water recedes the amount of clean-up could be significantly less and require zero outside support.

- if the water stays high we will need to fix an area of the beach to allow access from the east (off Center Rd)

- if the water continues to rise no clean-up will be possible as the water will be at the break walls of several properties (as observed in the image at right from 1988)



What are we looking for?

Due to the amount of time and funds required we will need help from multiple sources.

WIPOA will continue to do its part - KSPFN will continue to do its part - Private property owners will continue to do their part.

We will reach out to Lambton Shores again in the spring for support.

We have begun to look into a grant from the Great Lakes Guardian Fund as well as RBC Bluewater grant and TD grant.

We would like SCRCA to help us apply and attain a grant from Ontario 150 and Canada 150. Also we would like to be considered for a grant from the St. Clair Region Conservation Foundation.

This piece of land has been used by the general public for decades and should continue to be. This is not a "West Ipperwash Beach" issue this is a Lake Huron issue and we will need help from all those that have a vested interest in protecting it.

I look forward to hearing back from you.

Thanks,

Guy Riopelle
West Ipperwash Property Owners Association
6290 Spruce Street
Lambton Shores ON N0N 1J0
519-671-7070



West Ipperwash home owners dealing with unique storm damage



By [Lynda Hillman-Rapley](#), Lakeshore Advance
Friday, May 13, 2016 1:43:54 EDT PM

All they want is a little help.

Working in co-management of the beach with Kettle & Stony Point (CKSP), the West Ipperwash Property Owners Association (WIPOA) is asking Lambton Shores for some financial aid to deal with unique storm damage.

When contacted by the Lakeshore Advance, Guy Riopelle president of WIPOA explained the area their association covers is all private properties from West Ipperwash Road to Center Road in Lambton Shores.

“Several weeks back a late winter storm brought in an enormous amount of debris and black material. Although this is not uncommon in our area the sheer volume is over whelming and unprecedented. In discussions with residents who have lived here for decades, many have said this is the worst it has ever been,” he said. All area beaches were victimized from this storm, but Ipperwash got the brunt of the winter force.

Riopelle explained that in the past few years there has been little needed to prepare for the summer, other than working with Kettle Point, who regularly do some grading and removal of some minor debris.

“This year’s situation is completely out of the norm and we are left with having to bring in large equipment and have the debris hauled away. Some have suggested controlled burns, one challenge is with such little beach area it would be too close to cottages and would require perfect winds from the South. I’m not comfortable advising home owners to start large fires.

He said, "Back in the 80's this same situation happened and it took the entire summer for mother nature to take it away. Some have suggested we wait in hopes this happens, one major concern is the health effect of the black muck composting and of course zero usage of the beach by anyone."

To this point, Kettle & Stony Point has been working from Center Road east to the stone reef with success, says Riopelle. "As well they have hauled away some debris from West Ipperwash Rd heading West towards the stone reef."

WIPOA organized several "clean up days" where our members came out with bob cats and other equipment to start piling up the debris. Last week WIPOA paid a local company under contract to come out and pile up the debris with hopes that if the black material was of a decent quality he would take it back to his sod farm at no charge. Turns out the properties of the black material were not the same as they are during the summer, it was mixed up with too much debris leaving it useless.

The challenges this association is dealing with begins with where to relocate the debris.

"Working with CKSP, we have a location and will need their help spreading it on the land after it is dumped. How do we get it there? CKSP and WIPOA just don't have the time, equipment or man power to solve this on our own. We can have the local contractor come back with all required equipment to relocate the debris but he feels it will take two full days at an additional cost. In addition to the all the time and monies already spend. WIPOA and CKSP are discussing options including additional donations but tapping out all resources leaves a balance of \$2,000 and this is the amount we are looking from Lambton Shores to contribute.

"Yes," Riopelle said, "We realize this is considered private property by Lambton Shores, however we have a unique situation here. Not too many "private properties" are promoted or encourage to be used by the general public. This is not someone's front lawn we are asking you to help with, this is a piece of land that has been used by the public for decades and has never been treated as "private" ever. It's even promoted on the Lambton Shores Website.

Lambton Shores has in the past helped private residents after unprecedented situations i.e. the tornado of Summer 2014. Having the beach ready and in good shape for summer is good for the community, good for tourism and we feel good for Lambton Shores.

We are not looking for Lambton Shores to bail us out, as well we are not looking for a hand out. We feel WIPOA, Kettle Point and Lambton Shores all have a responsibility in unprecedented situations such as the current one to step up and do their part.

This association president quoted a member stating, "By owning Lake Huron beach property, we have assumed responsibility for caring for it. If we do not practice good stewardship of the land, we cannot expect anyone else to do it for us."

"WIPOA and Kettle Point have worked together over the last number of year to take care of the beach and more importantly to build a strong working relationship that is based on mutual respect and communication.

"WIPOA has done all it can, Kettle Point has done all it can. We feel we have a good plan that requires Lambton Shores to help during this unique unprecedented situation."

Riopelle has reached out to ward councillor Gerry Rupke to ask that this be considered an emergent issue at this week's regular council meeting. He is hoping council will discuss the issue at that time.

**Conservation Ontario Council
Minutes from Meeting #2/16
Monday, June 27, 2016
Black Creek Pioneer Village**

Voting Delegates Present:

Dick Hibma (Grey Sauble), Chair

Brian Horner, Ausable Bayfield
Robert Morrison, Cataraqui Region
Steve Knechtel, Cataraqui Region
Sally Martyn, Catfish Creek
Chris Darling, Central Lake Ontario
Don MacIver, Credit Valley
Deb Martin-Downs, Credit Valley
Richard Wyma, Essex Region
Linda Laliberte, Ganaraska Region
Joe Farwell, Grand River
John Cottrill, Grey Sauble
John Vice, Halton
Hassaan Basit, Halton
Rob Messervey, Kawartha Region
Bill Mackie, Kettle Creek
Elizabeth VanHooren, Kettle Creek
Geoffrey Dawe, Lake Simcoe Region
Mike Walters, Lake Simcoe Region
Bill Bartley, Lakehead Region
Mervi Henttonen, Lakehead Region
Cliff Evanitski, Long Point Region
Don Pearson, Lower Thames Valley
Ray Benns, Lower Trent
Glenda Rodgers, Lower Trent
Art Versteeg, Maitland Valley

Mark Burnham, Mississippi Valley
John Karau, Mississippi Valley
Paul Lehman, Mississippi Valley
Bruce Timms, Niagara Peninsula
Carl Jorgensen, Nickel District (Conservation Sudbury)
Brian Tayler, North Bay Mattawa
Doug Lougheed, Nottawasaga Valley
Gayle Wood, Nottawasaga Valley
Sherry Senis, Otonabee
Dan Marinigh, Otonabee
Janice Maynard, Quinte
Terry Murphy, Qunité
Richard Pilon, Raisin Region
Lyle Pederson, Rideau Valley
Sommer Casgrain-Robertson, Rideau Valley
Dan Gieruszak, Saugeen Valley
Wayne Brohman, Saugeen Valley
Rhonda Bateman, Sault Ste Marie Region
Doug Thompson, South Nation
Bill Smirle, South Nation
Angela Coleman, South Nation
Steve Arnold, St. Clair Region
Brian McDougall, St. Clair Region
Murray Blackie, Upper Thames River
Ian Wilcox, Upper Thames River

Members Absent:

Crowe Valley
Hamilton

Mattagami Region
Toronto and Region

Guests:

Scott Peck, Hamilton
Tammy Cook, Lakehead Region
Phil Beard, Maitland Valley

Duncan Abbott, Mississippi Valley
Peter Graham, Niagara Peninsula

CO Staff:

Kim Gavine, General Manager
Jessica Chang
Jane Dunning
Bonnie Fox
Chitra Gowda

Taylor Knapp
Jane Lewington
Leslie Rich
JoAnne Rzakki
Rick Wilson

1. Welcome from the Chair

Chair Dick Hibma called the meeting to order.

He acknowledged that this would be Mervi Henttonen's (Lakehead Region) final meeting before her retirement. Mervi has worked for over 42 years with the Conservation Authority and has been General Manager since the early 1980's. Bill Bartley (Chair, Lakehead Region) introduced incoming General Manager Tammy Cook. Bill also announced this would be his last Council meeting as well as he is soon to be no longer a resident of Thunder Bay.

Other introductions made:

John Vice, Chair (Halton) announced that Hassaan Basit is now Chief Administrative Officer for Conservation Halton.

Dan Marinigh (Otonabee) introduced Sherry Senis, Vice Chair.

2. Adoption of the Agenda

#18/16 Moved by: Mark Burnham Seconded by: Geoff Dawe

THAT the Agenda be amended by moving the following consent items to 9. Discussion Items:

- 7j – iv. Information Management Program Update***
- 7l Correspondence regarding Waukesha's application to divert water***

AND by moving 8. Presentation on Open Data to follow 9a Update on the CA Act Review

CARRIED

#19/16 Moved by: Art Versteeg Seconded by: Sally Martyn

THAT the agenda be adopted as amended.

CARRIED

3. Declaration of Conflict of Interest

There was none.

4. Approval of the Minutes of the Previous Meeting

#20/16 Moved by: Bob Morrison Seconded by: Rob Messervey

THAT the minutes from the meeting held April 11, 2016 be approved as circulated.

CARRIED

5. Business Arising from the Minutes

There was none that is not addressed in the agenda.

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

#21/16 Moved by: Doug Thompson Seconded by: Doug Lougheed

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

CARRIED

7. Consent Agenda

C.W. #11/16 Moved by: Art Versteeg Seconded by: Bill Bartley

THAT Council approve a consent agenda and endorse the recommendations accompanying Items 7 a through 7 j-iii and Item k.

CARRIED

a. General Manager's Report

THAT Conservation Ontario Council receives this report.

b. Budget Status Report (May 31st, 2016)

THAT Conservation Ontario Council receives this report.

c. Ontario Invasive Plant Council (OIPC) Update

THAT Conservation Ontario Council receives this report.

d. Forest Gene Conservation Association (FGCA) Update Report

THAT Conservation Ontario Council receives this report.

e. Drainage Investment Group (DIG)

THAT Conservation Ontario Council receives this report.

f. Update on Special Project to Develop an Agricultural Guide to Conservation Authority Permits in the Greenbelt and Beyond

THAT Conservation Ontario Council receives this report.

g. CO Case for Reinvestment in Ontario's Flood Management Programs, Services and Structures

THAT Conservation Ontario Council receives this report.

h. Passage of Bill 100: Supporting Ontario Trails Act, 2016

THAT Conservation Ontario Council receives this report.

i. CO Regulatory Compliance Committee- Update on Level 1 Training 2016, Survey Results for Training Development for Enhanced Skills and Updated Membership

THAT Conservation Ontario Council receives this report.

j. Program Updates

i. Source Water Protection Program Update

THAT Conservation Ontario Council receives this report.

ii. Marketing and Communications Program Update

THAT Conservation Ontario Council receives this report.

iii. Business Development and Partnerships Report

THAT Conservation Ontario Council receives this report.

k. Project Tracking

8. Presentations – Open Data

Rick Wilson's presentation is attached to the minutes of the meeting.

C.W. #13/16 Moved by: Lyle Pederson

Seconded by: Bob Morrison

THAT Conservation Ontario Council receives this report.

CARRIED

9. Discussion Items

a. Update on the Conservation Authorities Act Review

Kim Gavine's and Bonnie Fox's introductory presentations are attached to the minutes of the meeting. Council members broke into 2 breakout groups for full discussion opportunity. Following the breakout Kim and Bonnie outlined next steps (see presentation slides).

The recommendation provided in the report was updated to reflect the inclusion of input from the breakout groups.

C.W. #12/16 Moved by: Mark Burnham Seconded by: Steve Arnold

THAT Conservation Ontario staff utilize the proposed framework, including input from Council members at the June 27, 2016 meeting and the 5 key message priorities as a basis for CO to prepare a draft submission to the MNRF.

Further that a draft submission be provided to all Conservation Authorities over the summer for their review and comment prior to a final version being prepared for the September 9th deadline;

Further that CO utilize the small CA Act Working Group to provide advice/positioning prior to a final version being prepared for the September 9th deadline.

CARRIED

b. 2016 Workplan Report Back

C.W. #14/16 Moved by: Doug Thompson Seconded by: Art Versteeg

THAT Conservation Ontario Council receive this report.

CARRIED

c. Approaches to Manage Regulatory Event Flow Increases Resulting From Urban Development

C.W. #15/16 Moved by: John Cottrill Seconded by: Mark Burnham

THAT the document titled "Approaches to Manage Regulatory Event Flow Increases Resulting From Urban Development" prepared by Toronto and Region Conservation Authority (TRCA) and the Regional Control Committee dated June 2016 be received;

AND THAT the document "Approaches to Manage Regulatory Event Flow Increases Resulting From Urban Development" be circulated to the Province, Municipalities and the land development industry, and they be encouraged to use the document to inform and guide their ongoing work, including updating the Province's technical guidance documents that are relevant to these issues.

CARRIED

d. Gilmor Update

C.W. #16/16 Moved by: Doug Loughheed Seconded by: Murray Blackie

THAT Conservation Ontario Council receive this report.

CARRIED

e. Request for short-form wording for Section 28 under the Conservation Authorities Act

C.W. #17/16 Moved by: Rob Messervey Seconded by: Bob Morrison

THAT Conservation Ontario Council endorse the proposed request to obtain short-form wording as identified in the June 2016 table;

AND THAT Conservation Ontario staff continue to work with CA staff and staff at the Ministry of Natural Resources and Forestry to confirm next steps associated with the creation of short-form wording.

CARRIED

f. Climate Change Action Plan

C.W. #18/16 Moved by: Sherry Senis Seconded by: Mark Burnham

THAT Conservation Ontario Council receive this report.

CARRIED

g. Road Salt Working Group

It was noted that the LSRCA representative should be Bill Thompson rather than Mike Walters (as listed in the report).

C.W. #19/16 Moved by: Mark Burnham Seconded by: Art Versteeg

THAT Chitra Gowda of Conservation Ontario, Bill Thompson of Lake Simcoe Region Conservation Authority, Martin Keller of Grand River Conservation Authority, Keith Taylor of Quinte Region Conservation Authority, Chris Wilkinson of Lower Trent Conservation Authority and Jennifer Stephens of Toronto Region Conservation Authority be endorsed to represent Conservation Ontario on the Road Salt Working Group.

CARRIED

h. Information Management (IM) Program Update (moved from Consent Items 7 j-iv)

Rick Wilson (CO) provided clarification on the automated report that shows a number of surveys with "Partial" completion. He noted that if any question is left unanswered, even if the question is not applicable to the CA, the report will interpret the entire survey as partially complete. CO staff will follow up with the CAs to ensure all reports are indeed complete before the September Council meeting.

C.W. #20/16 Moved by: Doug Thompson Seconded by: Sally Martyn

THAT Conservation Ontario Council receives this report.

CARRIED

i. **Correspondence (Minister Mauro to CO regarding Waukesha’s application to divert water)**
(moved from Consent Items 7-1)

Update on Waukesha Water Diversion

Bonnie provided an update from Nancy Gaffney (TRCA) with regard to the Waukesha Water Diversion application. The Ministry letter refers to the upcoming Regional Body meeting that would be reviewing the first application for a community that straddles the Great Lakes Basin boundary to divert water out of the basin. The Regional Body includes Provincial representatives from Ontario and Quebec and they provide advice to the Compact Council. The Regional Body recommended approval to the Compact Council which consists of the Governors for the eight Great Lakes States (no provincial representatives). It was announced in the last few days that the Compact Council has given approval “with conditions”. Preliminary comments from TRCA staff is that they are pleased with the conditions with the approval including: decreased volume to be diverted, smaller area to receive the water (i.e. only the area currently serviced by Water Utility), all water returns to Lake Michigan and this wastewater must be monitored, and annual reports must be provided to Great Lakes States and provinces on these conditions. It was further noted that the Great Lakes St. Lawrence Cities Initiative is still strongly opposed to this approval and staff will continue to monitor the file.

It was discussed that the Governors indicate that this is not precedent setting as it is a borrowing as opposed to a diversion with the conditions that they have set on the application. CO staff noted that they have not seen an updated position from the MNRF and would follow-up on the status of their opinion.

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

#21/16 Moved by: Doug Thompson

Seconded by: Mark Burnham

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

CARRIED

11. Council Business

- Council Adoption of Recommendations

#22/16 Moved by: Mark Burnham

Seconded by: Bill Bartley

***THAT Conservation Ontario Council adopt Committee of the Whole (C.W.) Recommendations:
C.W. #11/16 to C.W. #20/16.***

CARRIED

12. New Business

Dick Hibma reported that John Cottrill (Grey Sauble) announced his intention to retire in the fall.

Deb Martin-Downs (CVC) reported that CA University had wrapped up this past weekend with 37 participants from 26 CAs. CAU graduates were acknowledged and the organizers thanked. CAU requires 26 participants to run again 2016-17, and there are currently 22 registered. Members were encouraged to consider staff who would benefit from the CAU program.

13. Adjourn

The meeting was adjourned.

Staff Report

6. (i)



To: Board of Directors
Date: August 24, 2016
From: Marlene Dorrestyn
Subject: Business Arising from June 23, 2016 meeting

- Conservation Authorities Act Review
 - Directors requested that it be left open until July so they could make comments.
 - *submitted comment document as presented at the June meeting on August 19, 2016*
- Prepare a report on use at Highland Glen (consider charging fees in order that upgrades can be made, potentially organize a volunteer group to come up with ideas and fundraising/collect fees)
 - *please see report 7.(ii)*
- Large Stock Tree Program
 - prepare a report on who qualifies for the program
 - available dates of large stock and seedlings
 - options for expansion of large stock municipal program
 - *please see report – 10.(iii)*
- Prepare a report on what the timelines are for receiving request to issuing permits under O. Regulation 171/06 “*Development, Interference with Wetlands & Alterations to Shorelines & Watercourse*”.
 - additional information is being added to the Regulations reports to inform the Board of Directors regarding timelines for permit requests
 - a full report on permit timelines will be provided to the November Board meeting

Staff Report

7.(i)



To: Board of Directors
Date: August 18, 2016
From: Kevan Baker, Director of Lands
Subject: Conservation Lands Report

Conservation Areas:

- the Conservation Authority owns 15 conservation areas in the watershed
- of those 15 conservation areas, 6 are managed by the local municipality and 9 are operated by the Conservation Authority
- of these 9, 3 conservation areas are regional campgrounds which attract campers primarily from Southwestern Ontario
- our three regional campgrounds have over 500 campsites and 421 seasonal campers
- the three campgrounds are self-sufficient receiving no tax dollars towards the maintenance and operation; profits obtained from our campgrounds are used to offset capital improvements
- the camping season in 2016 runs from Friday, April 29 to Thanksgiving Day

Warwick Conservation Area (Warwick Township)

- the pool has been renovated with new 2 x 2 porcelain tile and colored quartz surfacing
- WIFI system has been upgraded with additional transmission units which will enhance reception and coverage
- a utility pole was replaced on the main campground feeder line
- 7 sections of boardwalk have been installed along the trail system
- a 5-acre parcel of agricultural land has been retired with trees as part of a climate change growth plot study. This study is in partnership with the Forest Gene Conservation Association, Forests Ontario, and SWATT (Southwestern Ontario Afforestation Technical Team) (Forestry Department)
- upgrades have been made to the mini putt golf area including new railroad features installed on one of the holes



WYFI Transmitter

- many camper events and activities have taken place this summer, these include Halloween in the Park, Canada Day Celebrations and fireworks, live entertainment, wagon and cart rides and a car show.

L.C. Henderson Conservation Area (Enniskillen Township)

- the campground pool fence has been replaced with new chain link fence
- 2 shower areas have been renovated with new shower surrounds and ceramic tile installed on the floors and walls
- a three-piece dock system has been constructed and installed; this will provide additional access to the pond for wetland studies and better fishing access for our visitors (Foundation)
- new roadside and directional signage has been installed
- a new door has been installed to the outdoor education center office
- weir one has been repaired and resurfaced
- a new solar blanket with roller has been purchased and installed at the pool (Campers Association)
- events and activities that have taken place this year include movie nights, chili cook off, live entertainment, horse shoe tournaments, fishing derby, camper dinners, regular wagon rides and Canada Day fireworks



A.W. Campbell Conservation Area (Municipality of Brooke Alvinston)

- the 12 x 34 ft workshop addition has been completed; the addition facilitates a superintendent's office, staff lunch room and storage.
- pool washrooms have been upgraded with new lighting and washroom fixtures
- bike cross trail has been upgraded with new gravel surfacing



- 5 sections of boardwalk have been installed along the Lakeside Trail
- a number of dead ash trees have been removed
- events and activities that have taken place this year include bagel breakfasts, Christmas in July, Halloween in the Park, face painting, scavenger hunts, movie nights, live entertainment, wagon rides, and Canada Day fireworks

Other Lands Activities:

- a memorial bench has been installed at the Marsh Walk Wetlands (Strathroy-Caradoc)
- board walk sections have been repaired at the Strathroy and Coldstream Conservation Areas
- beach access steps have been installed at Highland Glen and the walkway to the beach at CJ McEwen was graded
- a number of dead ash trees have been removed at CJ McEwen and the Maples woodlot
- trails on our properties have been widened and trimmed back to permit better access for trail users



Camping Statistics:

- 421 full, half and quarter seasonal campers have registered in our 3 campgrounds, down from 422 in 2015. 190 seasonal campers are registered at Warwick (191 in 2015), 123 at LC Henderson (123 in 2015) and 108 at A.W. Campbell (108 in 2015).
- our 3 regional campgrounds have been busy this year with gross revenues to the end of July of \$1,004,000 (up 5%), with net revenues up 7% (seasonal camping up 3% to \$787,000; overnight camping up 11% to \$125,000; and pump-out up 10% to \$36,000)
- we have had increases in costs associated with the operation of our campgrounds that include: loss of the summer youth employment subsidies (SJS) \$6,400; reduction in land rents \$ 8,000.00; increase in vehicle and equipment allocations \$ 6,000; increase in hydro rates and usage \$ 25,000.

Foundation Lands:

- the St. Clair Region Conservation Foundation owns 16 land holdings and 456 hectares of land; these lands are maintained and operated by the Conservation Authority
- new property identification signs have been installed at the Gawne Habitat Management Area (Dawn-Euphemia) and Evoy Woods (Enniskillen)
- the drainage pump and motor in the pump house along Kent Bridge Road has been repaired with a new electric motor and new bearings installed in the drive shaft (Keith McLean Conservation Lands, Chatham-Kent)
- prescribe burns were carried out on 3 of the tall grass prairie plantations (McLean)
- at the Evoy Woods (Enniskillen) the property boundary survey stakes have been located and marked; and a new property identification sign has been



installed. The property was officially opened at a dedication service held on June 20th

- the Foundation has provided financial assistance to the Conservation Authority to support the development and maintenance of trails on our properties

County of Lambton Lands:

- a new trail loop has been completed at the Perch Creek Habitat Management Area
- fencing has been upgraded on the sand hill in Port Franks; the fence restricts access and allows for dune grasses to become established (Lambton County Heritage Forest)
- trail head signage has been installed at the Lambton County Heritage Forest
- a new property identification sign has been installed at the Bowens Creek Management Area

McKeough Upstream Lands:

- wetlands on properties 38 and 79 have been upgraded to improve water retention and reduce soil erosion
- a climate change tree growth plot has been planted at property 105; this plot consists of 600 red and swamp white oak seedlings and the study will compare the growth and survival rates of locally supplied and southern U.S. trees (Forestry Department)
- randomized tile to be installed on one of the agricultural parcels

Staff Report

7.(ii)



To: Board of Directors
Date: August 25, 2016
From: Kevan Baker, Director of Lands
Subject: Highland Glen Boat Ramp Fee report

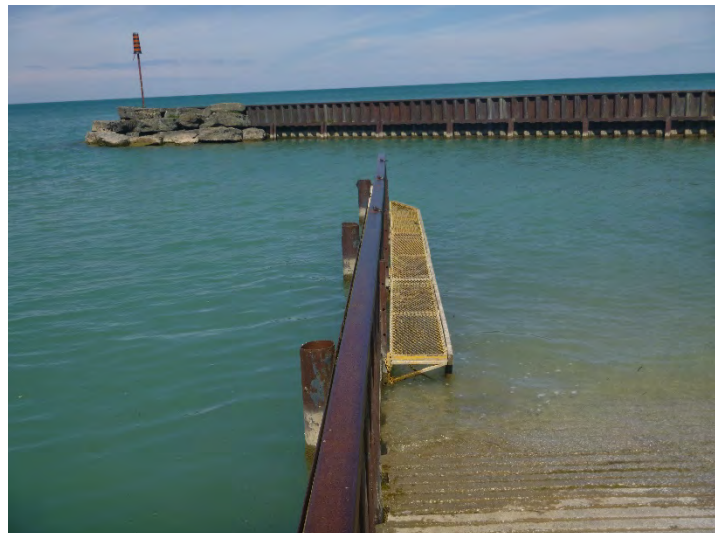
General Information:

- the Highland Glen Conservation Area is located on Lakeshore Road in the Town of Plympton-Wyoming
- it has an access roadway, two parking lots, pavilion, beach access, picnic tables, and a boat ramp onto Lake Huron
- during the spring fishing season and on nice days in the summer the area is extremely busy with boat and vehicle traffic
- due to the regional usage of the area the Board of Directors designated it a Regional Conservation Area in 2000
- access to the Conservation Area and boat ramp is free and the operation and maintenance costs are covered by general levy
- to our knowledge the Highland Glen boat ramp is the only public ramp accessing Lake Huron between Sarnia and Port Franks



Boat Ramp and Seawall protection:

- the boat ramp and seawall were constructed in 2 phases; the access roadway and ramp constructed in 1986 and the seawall protection in 1990
- total cost for the project was approximately \$ 200,000.00 with funding obtained from all levels of government
- other than a few repairs over the last 25 to 30 years the facility has held up well to weather, time and public use, however, there are upgrades required to meet public needs and ensure the facility is safe and usable long term



- at the June 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 the Conservation Area
- fees could be used to maintain the boat ramp and seawall long-term; currently any upgrades to the boat ramp would be funded through general levy or through grants from outside sources
- on the negative side; when a fee is collect for use of a facility, the Authority's duty of care and legal responsibility is considered much higher; also the public's expectation for maintenance and improvements is generally higher

Payment Option:

1. pay at a staffed gatehouse:
 - this requires capital outlay to construct serviced gate house with internet connection
 - anticipated high staffing costs
 - gatehouse would be susceptible to vandalism
2. Metering with controlled entrance:
 - significate start-up capital cost in the purchase and installation of equipment
 - hydro and internet connection would be required
 - equipment would be susceptible to vandalism
 - no on site staffing required, however staff would be required to collect cash regularly that has been deposited into the metering equipment
3. Pay by phone (McKay Pay): - preferred payment method
 - users can pay entrance fee with their cell phone by using an app on their phone, or pay on the McKay Pay website, or by calling McKay Pay directly, or by calling the Conservation Authority during regular office hours
 - there are no capital start-up costs, McKay Pay takes 50 cents per transaction as an administration fee
 - McKay Pay provides all the promotional signage
 - staff or contracted staff would be required to inspect the parking areas to ensure vehicles have paid and issue a warning or ticket for non-payment
 - a license plate list would be provided by McKay Pay of vehicles who have paid; this list is updated at the moment payment has been received
 - this system is used by 4 other similar sized Conservation Authorities



Staff Report

7.(iii)



To: Board of Directors
Date: August 25, 2016
From: Kevan Baker, Director of Lands
Rick Battson, Director of Communications
Subject: Maple Syrup Festival and Sugar Shack Report

Maple Syrup Festival:

For over 40 years, the Authority has hosted a maple syrup program at A.W. Campbell Conservation Area. The past number of years we have held this event in conjunction with the Alvinston Fire Fighters Pancake Breakfast. The program has gone through several major changes, adapting to changing circumstances. In the winter of 2016, the sugar shack was removed due to structural issues and safety concerns for our staff and the public.



The Festival went ahead as usual without the shack on March 19 - 20. Staff added additional features and activities and spent more time highlighting First Nation and Pioneer methods of syrup production. We also added more emphasis on the collection of sap in the forest itself. Approximately 700 people attended the festival bringing in about \$400 (this is on par with past years). The festival requires 5 staff for the 2-day event and a total of 8 staff days to make the necessary site preparation.



The success of our event is directly linked to the local Fire Fighter organization continuing their pancake breakfast fundraiser long term. Open communication with the Fire fighters is required to ensure the success of both events.

Sugar Shack:

Staff have initiated efforts to secure outside funding to construct a new sugar shack for the festival. Conceptual building design would be pole storage structure with a proper fire box and chimney system to facilitate the syrup pans. Approximate construction estimate is between \$20,000.00 and \$25,000.00. The building would be required to meet Ontario Building Code specifications and all building inspection requirements.

Staff submitted a funding request to the Foundation Board of Directors at their June meeting. This request was denied by the Board as they were concerned about the high cost to fund a building that would only be used for one weekend a year. They were also concerned that the viability of our event and the building is greatly depended on the fire fighters continuing their event long term.



Staff will continue to make every effort to secure outside funding to assist in the construction of a replacement Sugar Shack.

The Maple Syrup Festival is scheduled for March 18th and 19th in 2017; staff will continue to enhance the displays and activities that made this year's festival a success.

Staff Report

7.(iv)



To: Board of Directors
Date: August 25, 2016
From: Shane White, McKeough Maintenance Foreman
Girish Sankar, Director of Water Resources
Subject: Darcy McKeough Projects

- **McKeough Channel and Upstream Properties Phragmites Spraying**

- McKeough staff have treated a number of patches of phragmites in the channel and on the upstream properties.
- staff have noted an increase in the phragmites population in the channel and on the upstream properties.
- McKeough staff treated phragmites in a planting pod at Guthrie park

- **Prescribed burns**

- McKeough staff have started working on and will continue to work on site preparation and prescribed burn plans to burn prairie grass plantations to promote growth and remove unwanted vegetation.
- staff conducted 4 prescribed burns in the spring of 2016 on 3 privately owned lands and the McLean property.
- prescribed burn at McLean Property, spring of 2016. Ignition of prairie grass plantation (left) and mop up stage (right)



- **Hunting Administration**

- McKeough staff have completed work on the upstream property hunting program.
- staff will monitor the properties throughout the hunting seasons to ensure hunters are following the guidelines set out by the conservation authority.
- staff will also be patrolling the properties periodically looking for hunters that are trespassing to hunt.

- **Fox snake and turtle monitoring**

- McKeough staff monitor and report sightings of fox snake and spiny softshell turtles.
- staff are also restoring and improving habitat in the area to help with the recovery of these species.
- earlier this summer staff collected spiny softshell turtle eggs from a nest at the McKeough to keep the eggs from being predated, and sent the eggs to a hatchery to incubate and be released back into the watershed.
- Fox snakes have also nested at the McKeough over the last 3 years and staff will be monitoring and refreshing the materials in nesting boxes later in the year look for signs of fox snake eggs from this year



Spiny soft shell turtle laying eggs (left) and hatched Fox snake eggs (right) in nesting box both at McKeough Floodway



Staff Report

To: SCRCA Board of Directors 8.(i)
Date: August 25, 2016
From: Steve Clark, Water Resources Specialist
Subject: Current Watershed and Lake Conditions

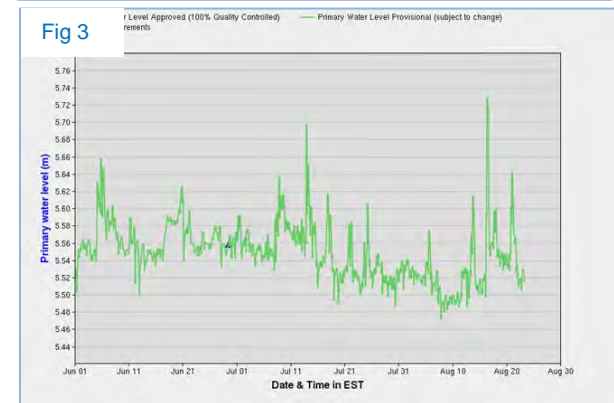
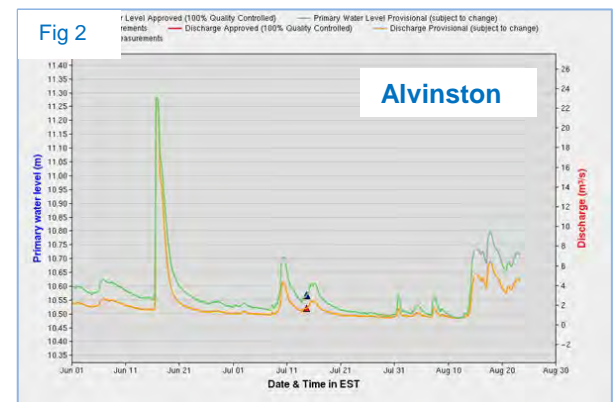
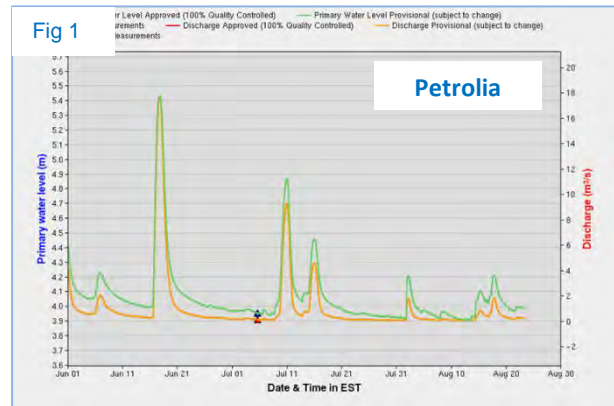


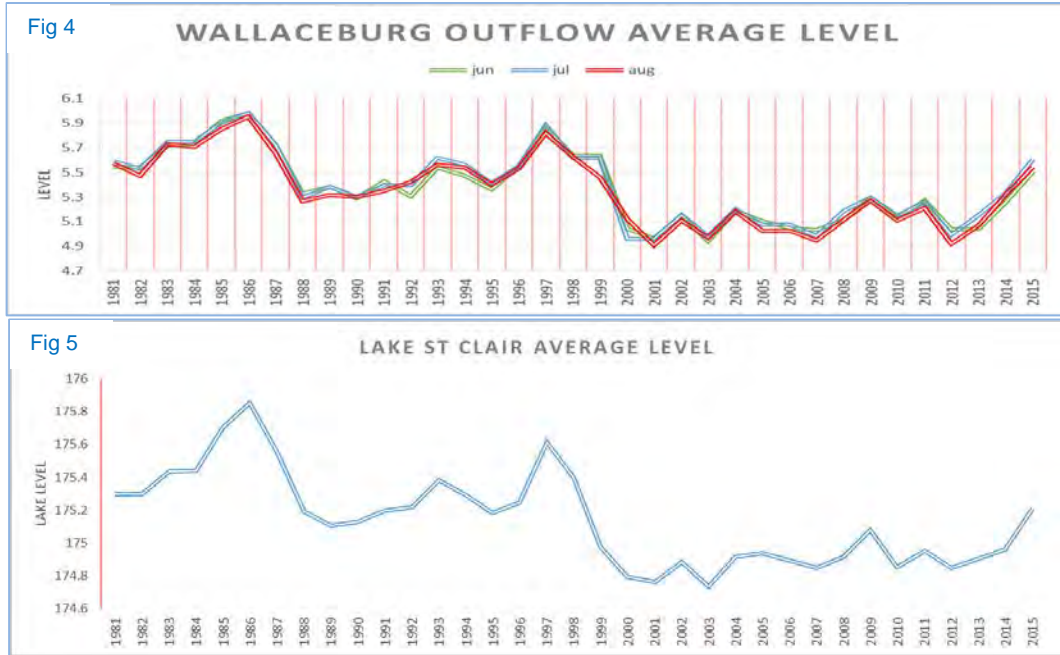
Watershed Precipitation and Streamflow Conditions

Highlights:

- Lower precipitation into summer months
- Average flow conditions across watershed

- lower precipitation levels in the spring of this year raised concerns about potential drought conditions into the summer months. While the impact of lower precipitation has been seen in eastern watersheds, flows continued at or slightly below seasonal levels for our region. (figs 1 and 2)
- two major events in mid-June and July increased flows which quickly returned to normal values. As the jet stream held large warm air masses over much of eastern Ontario throughout July and August, rain events throughout the summer resulted mostly from a pattern of convective storm cells causing localized precipitation patterns rather longer than frontal systems events.
- several intense periods of rain in the last week of August has also raised overall levels which have persisted for a number of days but should moderate into September.
- Wallaceburg outflow for the summer (fig 3) varied by only 20cm. with an average level at the gauge of 5.53m. When compared with averages from the period of record (fig 4) there is the continuation of a slight upward trend in river levels over the past 3 years as opposed to the previous 10 years. An additional comparison with Lake St. Clair average levels (fig 5) indicates the close relationship between overall lake level and the potential flow restriction or backwater effect on the outflow from the Sydenham River. This could suggest during this period of higher average lake levels we potentially experience average higher levels in the watercourse as well.



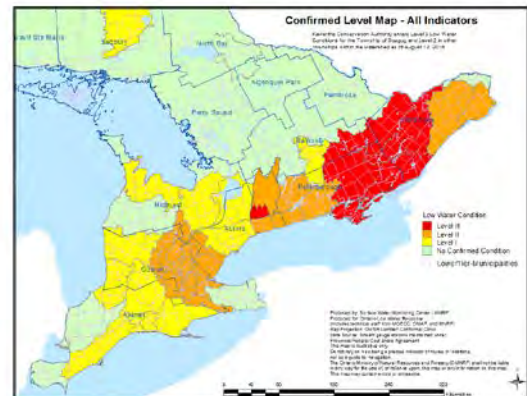


Low Water Conditions

Fig 6

Precipitation (mm)	Sarnia		Strathroy		London		Windsor	
Last Quarter	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal
Aug**	65.8	77.1	91.2	82.1	107	85.3	75.8	79.7
July	67.8	74.1	97.4	71.7	91.1	82.2	91.5	81.8
June	87.5	85.5	49.8	74.5	63.1	86.8	37.6	89.8
Averages								
last 3 month totals	221.1	236.7	238.4	228.3	261.2	254.3	204.9	251.3
last 3 month % of normal	93.4%		104.4%		102.7%		81.5%	
regional average	95.5%							
last 6 month totals	458.1	444.6	495.4	461.2	481.9	497.8	436.6	492.2
last 6 month % of normal	103.0%		107.4%		96.8%		88.7%	
regional average	99.0%							
last 12 month totals	782.1	846.8	859.1	945.1	876.5	987	862.2	918.4
last 12 month % of normal	92.4%		90.9%		88.8%		93.9%	
regional average	91.5%							

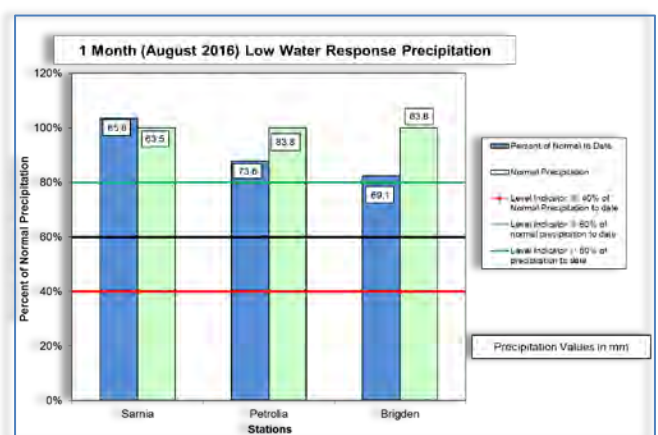
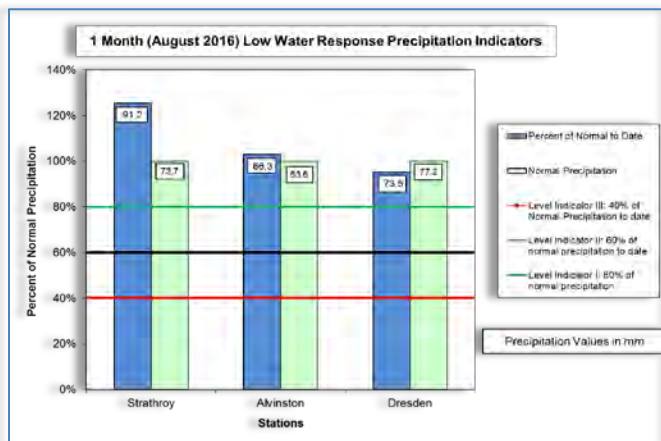
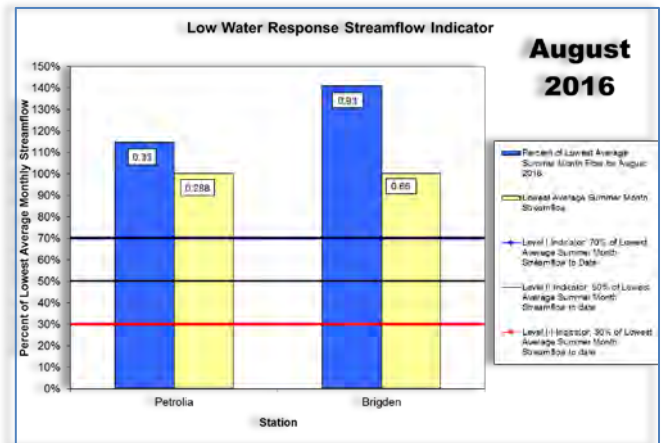
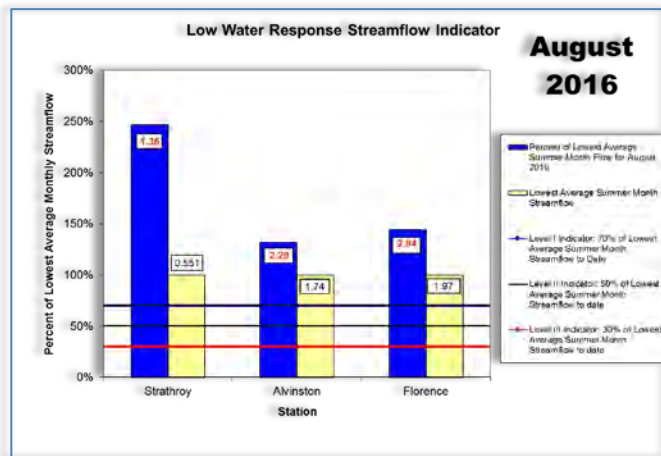
As previously noted, much of the province has received significantly lower amounts of precipitation over the summer to the point that some watersheds have declared Level II and in some cases Level III (red areas) drought conditions. The calculation of drought conditions is statistically analyzed based on actual precipitation compared to average for the month as well as watershed flows compared to lowest average flows at select gauging stations. Within the SCRCA region (fig 6) precipitation has been close to



expected averages although have often occur in a pattern of periods of significant rainfall followed by extremely dry periods. August numbers (Note: as of 25th of the month) continue to be at or above average and contribute to a three-month total regional number of 95% in contrast to much dryer areas in the eastern part of the province. Figure 7 summarizes

Fig 7 August Flow Summary					
Station	2016			2012	
	Lowest average Summer Flow (cm/s)	August Average Flow (cm/s)	Percentage Actual vs. Lowest Summer	August Average Flow (cm/s)	Percentage Actual vs. Lowest Summer
Petrolia	0.29	0.33	114%	0.054	19%
Brigden	0.66	0.93	141%	0.149	23%
Strathroy	0.55	1.36	247%	0.44	80%
Alvinston	1.73	2.29	132%	0.79	46%
Florence	1.98	2.84	143%	0.95	48%
Perch (Samia)	0.097	0.41	423%	0.02	21%

August flows and in all cases stations reported above the average summer monthly flows for 2016. This data is compared with the last significant drought period in 2012 and although it has been a hot summer this year, the MNR standard for drought conditions was not met as it was for our watershed in 2012. The following graphs compare the precipitation and flow conditions thresholds for August.



Flood Threat

With current weather patterns causing extensive sudden rainfall the potential for localized flood conditions may be experienced during these events. While seasonal flows remain in the average range, we continue to monitor changes in watershed conditions as they occur. As always we will continue monitor flows and any significant storm events. Advisories will be provided as conditions dictate.

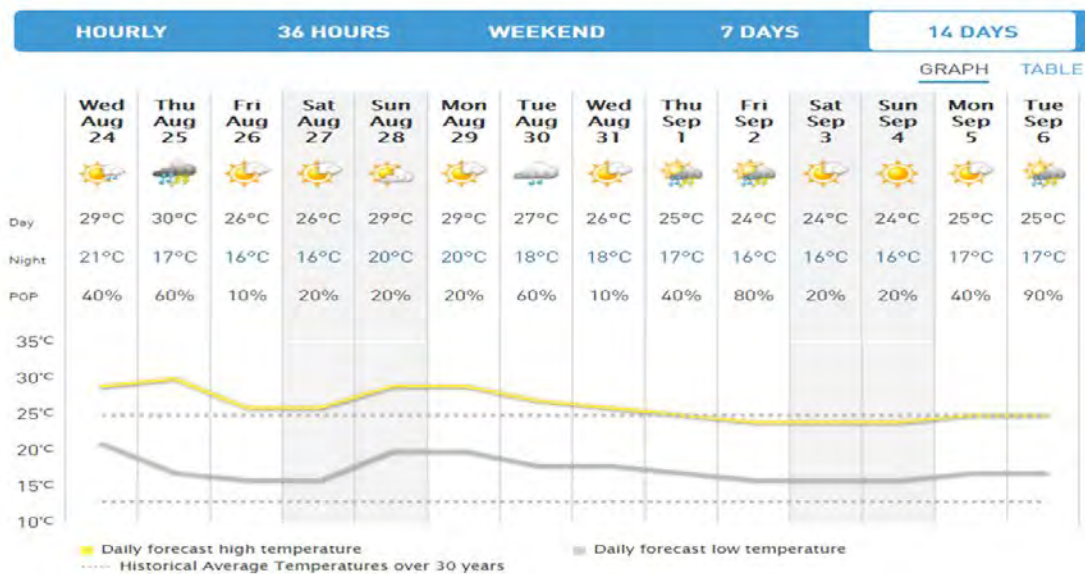
Weather Forecast (Data: Weather Network, Environment Canada, OFA)

Short Term Outlook

➤ seasonal temperature and precipitation across the region over the next 14 days

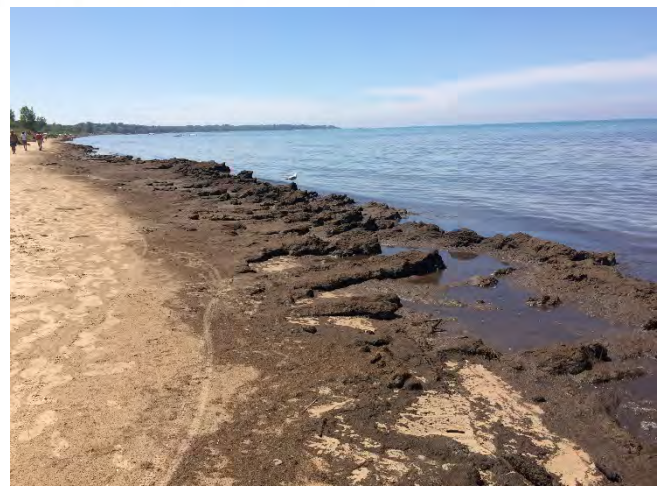
Long Term Outlook

➤ Environment Canada anticipates that temperatures will be above average and precipitation will be below normal for the fall season



Great Lakes Levels (Canadian Hydrometric Service data – July)

The monthly comparison for July 2016 (current available data) indicate that Lake Huron levels have increased by **11cm** over July 2015 and continue to remain above the 10 year average for Lake Huron at **57cm** and Lake St. Clair **34cm** and also remain above the average for the entire period of record.



Great Lakes Water Level Dashboard

Dashboard portal

HTML 5

To feet

Toggle fullscreen

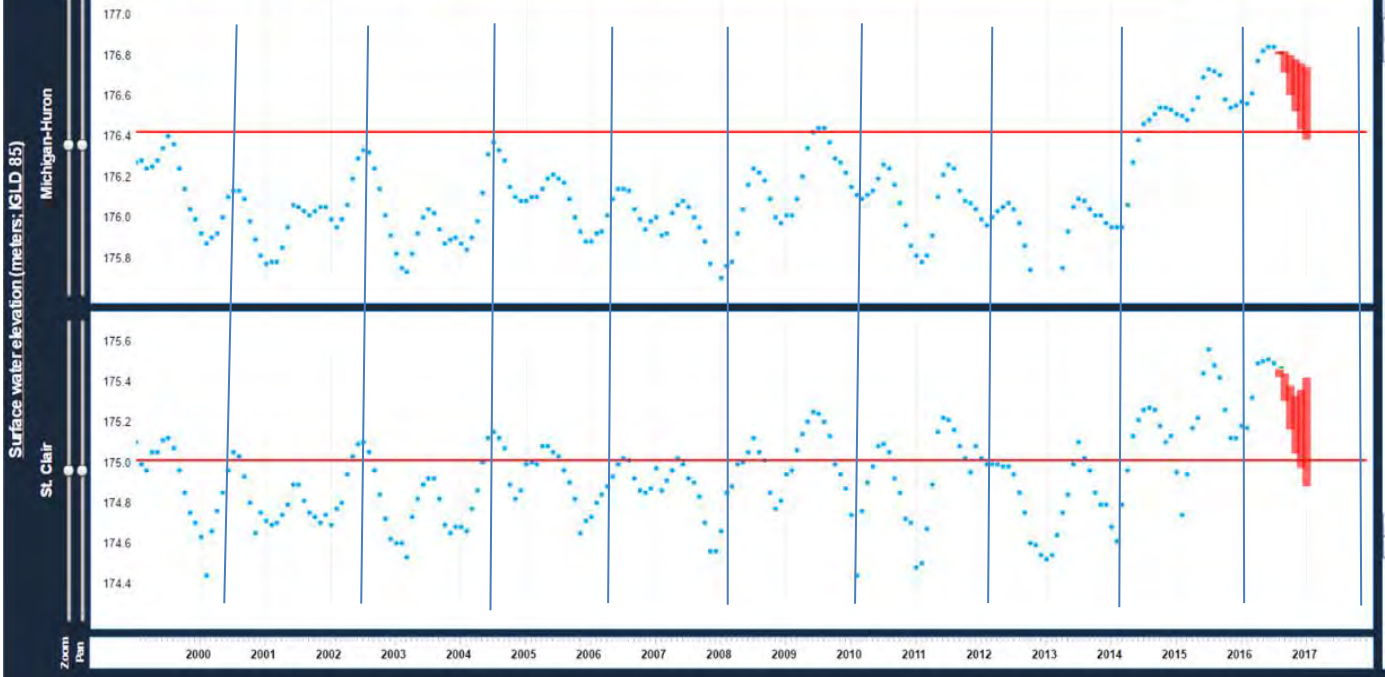
Contacts

About

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Superior

Michigan-Huron



Staff Report

8.(ii)



To: Board of Directors
 Date: August 25, 2016
 From: Girish Sankar, Director of Water Resources
 Subject: Water & Erosion Control Infrastructure (WECI) Projects

- Review of WECI applications have been completed by a committee of provincial and Conservation Authority staff representatives. The following 2 projects were approved for **2016- 2017**. A list of projects applied for WECI funding and their ranking is provided below.
- Funding cut off for projects:
 - Repair > 110
 - Study > 25

Structure	Project Name	Description of Work	Total Project Cost (\$)	Grant Requested (\$)	WECI Scoring
McKeough Floodway	McKeough Floodway Berm Repair	Repair work to improve drainage on the floodway berms	\$100,000	\$50,000	115
McKeough Floodway	McKeough Floodway Channel Repair	Repairs to the channel floors	\$30,000	\$15,000	105
Sarnia Shoreline	Sarnia Shoreline protection	Repairs to a section of Sarnia Shoreline (Helen – Kenwick)	\$600,000	\$300,000	90
Courtright Park	Courtright shoreline rehabilitation	Design and restore a section of Courtright shoreline	\$600,000	\$300,000	80
Head Street Dam	Stop log replacement	Replace wooden stop logs with aluminum logs	\$25,000	\$12,500	70
Esli Dodge	Esli Dodge repair project	Design and restore the control structure at Esli Dodge	\$20,000	\$10,000	55
Lorne C Henderson weir	LCH – Outfall Erosion Control	Repair work at LCH	\$30,000	\$15,000	50
McKeough Floodway	Dam Safety Review	A detailed engineering review of the McKeough Dam	\$40,000	\$20,000	65

- We continue to wrap up projects on a monthly basis. Status of other **WECI/Shoreline** projects is outlined below:

Structure	Project Name	Status
Wallaceburg Retaining wall	Wallaceburg Retaining wall inspection	inspection of retaining wall in Wallaceburg
Petrolia Dam	Stop log replacement	Completed as of July 2016
McKeough Dam	McKeough Dam Drop structure repair	Ongoing
Courtright Park	Courtright shoreline revitalization	Design work ongoing
Aamjiwnaang Shoreline	Aamjiwnaang shoreline naturalization	Design work ongoing

Courtright Park: Oblique photos being taken at Courtright Park for shoreline design work



McKeough Dam Outlet crack repair



Staff Report

9.(i)



To: Board of Directors
Date: September 1, 2016
From: Greg Wilcox, Biological Technical Assistant
Erin Carroll, Manager of Biology
Subject: Municipal Drain Review

Conservation Authorities (CAs) regulate activities that change, divert, or interfere in any way with the existing channel of a river, creek, stream or watercourse, or that interfere with wetlands. Municipal drains are generally watercourses as defined under the CA Act and are therefore regulated by CAs.

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

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

2016 Update

So far in 2016, a total of 78 files have been submitted to SCRCA for review. 47 have been reviewed under the DART protocol and have received SCR permissions. 26 have been reviewed by staff and received LoRs as the works were outside of those specified under the DART protocol.

Categories of Drain Review	January – April 2016	May- August 2016	Totals
DART Protocol – SCR issued	19	28	78
Letter of Review Issued	17	9	
Other Types of Files (e.g., Environmental Assessment, sign-off, Assessment changes)	1	4	
Total Files	37	41	

Now that fall is approaching the municipal drain projects are picking up especially with regards to maintenance.

Proposed \$300 fee for review of New Works on Municipal Drains

The SCRCA directs considerable resources toward the review of maintenance activities as well as new works for municipal drains.

Section 21 (m.1) of the Conservation Authorities Act give CAs the power to charge fees for services rendered. The “policies and Procedures for Charging Conservation Authority Fees.” (June 13, 1997) directs that fee structure should be designed on a beneficiary pays basis and that fees be set at a level to recover, but not exceed, the costs associated with administering and delivering services on a program basis.

Drain reviews are an anomaly in the SCRCA fee schedule in that the benefit of the reviews could be attributed to the proponent, but fees are only applied to reviews that fall under the DART Protocol. It is recommended that fees be expanded to also cover new drain projects. A \$300 fee would be charged for each Engineer’s Report where a Letter of Review is issued by SCRCA. Reports prepared under Section 76 of the Drainage Act would be exempt from the fee.

Staff Report

9.(ii)



To: Board of Directors
Date: September 1, 2016
From: Jessica Van Zwol, Healthy Watershed Specialist
Subject: Healthy Watersheds Program Outreach events

Twenty-five farmers came on the August 23rd Great Lakes Agricultural Stewardship Initiative (GLASI) Soil Health bus tour to learn about soil health, pollinator habitat and how other farmers are incorporating cover crops in their farm rotations. Shawn Redick of Delta Power (below) discussed cover crop seeders and had the farmers explore the corn field where a mix of cover crops had been interseeded into waist-high corn.



Kerry Lunn of Thamesville (left) shared his experiences with cover crops and shared that he believes his corn fared well through this summer despite drought conditions because of an increase in soil moisture from growing cover crops.

Rob Buchanan (Ontario NativeScape, right) shared the benefits of tallgrass prairie as pasture and pollinator habitat at the Sinclair Property.





Mike Belan of Oil Springs (left) shared his experiences with cover crops and no-till farming on heavy clay. Funding support: Ontario Soil & Crop Improvement Association (GLASI), Ontario Ministry of Environment and Climate Change and Environment Canada.

Staff have also been busy attending Soil and Crop Improvement Association Summer Tours

in Middlesex and Lambton Counties. Jessica Van Zwol was provided an opportunity to speak at both events to invite farmers to the GLASI bus tour.



Upcoming Events:

Phrag Phighters Community Info night
August 25, 6:30-9 pm: Come hear what's being done to control invasive *Phragmites* in Lambton Shores. Staff will have a booth at the event.

Ipperwash Beach Great Canadian Shoreline Cleanup *September 10, 9-11 am:* We are meeting at the Centre Ipperwash Boat Launch and spreading out from there. Garbage bags and gloves will be provided. Please dress appropriately

Ag in the Classroom *September 16:* Staff will be providing a soil health workshop for elementary students in Forest.

Mount Brydges TD Tree Days *September 17, 9 am-12pm:* Come on out to this community event and help plant 150 native trees in Lyons Park. Please dress appropriately for the weather.

Forest Fall Fair *September 23-25:* Come stop by our booth and say hello!

Sarnia TD Tree Days *October 22, 9 am -12pm:* Come on out to this community event and help plant 300 native trees in Canaterra Park. Please dress appropriately for the weather.



Stewardship projects – **Grants available** SCRCA secures funding to support landowner implemented stewardship projects including riparian buffers, block tree planting, windbreaks, wetlands, and erosion control measures. Staff meet with landowners, offer advice and project design and where applicable, support projects with grants. Call today for more information for stewardship projects in Lambton Shores and the Sydenham River Watershed.

Staff Report

9.(iii)



To: Board of Directors
Date: September 1, 2016
From: Jessica Van Zwol, Healthy Watershed Specialist
Subject: Healthy Watersheds Program Funding

Environment and Climate Change Canada just confirmed a 3-year grant of \$270,000 (\$90,000/year) through the Habitat Stewardship Program for Species at Risk. We received the full amount we proposed. The funding will go towards on-the-ground stewardship projects (\$52,000/year) that improve aquatic species at risk habitat in the East Branch of the Sydenham River above Dresden. The remaining funding will go towards Landowner Outreach, our annual species at risk newsletter, and our education program (for species at risk).

Ontario Ministry of Environment and Climate Change recently confirmed \$60,000 for the current fiscal year for outreach and education and stewardship projects in the Lambton Shores Tributaries Watershed, as part of the Healthy Lake Huron Clean Water, Clean Beach campaign.

Environment and Climate Change Canada also confirmed a 3-year grant of \$57,454 through the Habitat Stewardship Program Prevention stream. This funding will go towards on-the-ground stewardship projects in the watersheds of the North Branch of the Sydenham River as well as biological monitoring.

TD Tree Days has confirmed funding for two tree planting events in our watershed: Sarnia and Mount Brydges. They have awarded us \$8,675. This funding will cover the cost of the trees (150 in Mount Brydges and 300 in Sarnia) and the planning, preparation, and staffing for the two events.

Ontario Ministry of Natural Resources and Forestry (Canada-Ontario Agreement funding) is providing funding in the amount of \$30,000 for the current fiscal year towards 3 wetland projects and the barrier removal on Bear Creek in the St. Clair AOC.

Staff Report

9. (iv)



To: Board of Directors
Date: September 3, 2016
From: Brendan Martin, Conservation Intern
Subject: 2016 Reptiles at Risk Program Update

Monitoring efforts of reptiles continued this year as part of our Reptiles at Risk Program. This year a significant achievement was accomplished: the collection, incubation, and release of Spiny Softshell turtles (*Apalone spinifera*) from and into the Sydenham River. In the Sydenham River the Eastern Spiny Softshell turtle is a very unique species that has been up listed to Endangered as of this year.

Habitat loss is a major contributor to the decline of this species. Nesting sites along the Sydenham are few and this does not help the population or success of the species as there are not as many hatchlings observed in this area. Spiny Softshells nest mainly in sandy gravel substrate usually on south facing slopes or areas with lots of sun throughout the day in order to incubate the eggs. Along the Sydenham sandy gravel bars and banks are not as common and are usually dominated by clay and silt. While previous attempts at finding Spiny Softshell nesting sites have been less than successful, this year we have identified four known, communal nesting sites on both branches of the Sydenham.

Eggs that were in immediate danger were collected as soon as possible after being laid (within 24 hours in order to decrease the chances disturbance) and sent to be incubated by Salthaven Wildlife & Education Centre. Once hatched the turtles were kept for monitoring to ensure that no difficulties were being had by the newly born hatchlings before being promptly returned to us. Release of the turtles took place in a slow-water, sheltered area near the original nesting site. The total tally of tiny turtles turned out to be 76 Spiny Softshells and 35 Northern Map turtles, another species at risk turtle within our watershed.



Left: Spiny Softshell hatchling prior to release on the East Sydenham River.

Right: Northern Map Turtle just after release on the north branch of the Sydenham.

In addition to turtle monitoring and rehabilitation we have also continued our snake monitoring and rehabilitation initiatives. So far this year we have provided the materials for one Eastern Foxsnake nesting box and plan on distributing more as the fall season continues. As well as providing our species at risk snakes with adequate nesting habitat we are also monitoring all snake populations on our properties with coverboards.

Coverboards are sheets of plywood laid on the ground in order to provide protection and an insulated heat source for snakes, attracting them to the underside of the board. Monitoring is completed by quickly flipping the coverboard to reveal any snakes hidden underneath, identifying them to species, and getting an estimate on their length. All of these values as well as location, time of day, weather, and a variety of others are recorded and delivered to a province-wide database run by the Ontario Ministry of Natural Resources and Forestry for long-term monitoring. In addition to providing shelter and warmth for snake species the coverboards also provide shelter for many salamander species such as the rare Jefferson's Salamander.



Left: DeKay's Brown Snake found under a coverboard at Clarke Wright CA.

Right: Blue Spotted/Jefferson's Salamander complex found under another coverboard at Bowen's South.

Staff Report

9.(v)



To: Board of Directors
Date: September 1, 2016
From: Greg Wilcox, Biological Technical Assistant
Subject: Bear Creek Barrier Removal Project

Background

Biology staff have observed a barrier in Bear Creek at the Bickford Line crossing while completing water quality sampling. This metal corrugated barrier spans the full width of the river and is an impediment to fish passage when water levels are low. Fish have been observed against the barrier in past years while staff were collecting water samples.

Based on information from the landowner at this site, the barrier was installed by SCRCA as part of a stream gauge project prior to the construction of the McKeough Dam. It was never removed and has remained in place since that time.



Above left: Longnose gar impeded by barrier Above right: barrier during low flows

Project Approved Through the RFCPP

An application was submitted to Fisheries and Oceans Canada's Recreational Fisheries Conservation Partnership Program (RFCPP) in April of 2016. The proposal included completing a mussel relocation protocol, removal of the barrier, and creating a rock riffle type structure with a low flow passage at the site of the barrier. The barrier removal would improve fish passage upstream for an additional 20km's for all fishes including recreational fish such as Northern Pike, Walleye, and Channel Catfish.

In July the application was approved. In addition to the proposal, Fisheries and Oceans Canada's permit will also require a fish exclusion to be completed prior to the construction phase reducing harm to fish during the project. Additional funding is being provided by MNRF, HSP Prevention, and Friends of the St. Clair River (using Ontario Trillium Foundation funding).

Mussel Relocation Protocol

A mussel relocation was deemed necessary due to the presence of SAR mussels in this system. Round Pigtoe[END], Salamander Mussel[END], and Mapleleaf [THR] are all known to inhabit Bear Creek. The only SAR mussel found at the site during the relocation protocol was the Mapleleaf. To complete the protocol all mussels within the search area (30m of river) had to be captured, measured, photographed, tagged, and relocated to a suitable upstream location. Follow-up survival assessment surveys must be completed after 30 days, 1 year, and 2 years. Mussels are captured by “raconing” which includes sifting through the bottom sediments with your hands and feeling for mussels. The relocation was completed in late August. With the help of other SCRCA departments and other agencies (MNRF youth rangers) we were able to relocate 312 mussels including 69 Mapleleaf. Other species included Pink Heelsplitter, White Heelsplitter, Giant Floater, Fragile Papershell, Deertoe, Spike, and Flutedshell. Follow-up surveys are yet to be completed.



Above left: Adult Mapleleaf Mussel



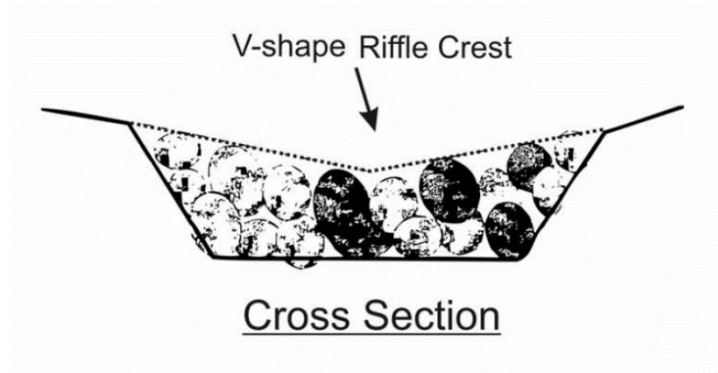
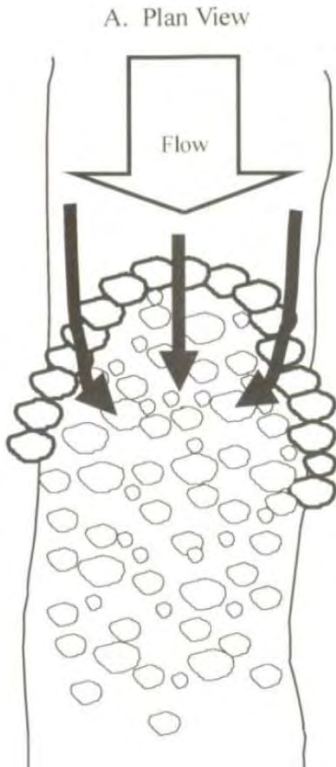
Above Right: Juvenile Mapleleaf Mussel



Left: SCRCA staff complete mussel searches in 1m transects across Bear Creek

Barrier Removal, Riffle Construction, and Estimated Completion

BF Environmental has been contracted to complete the barrier removal and riffle construction. After barrier removal, rock will be placed across the river to provide fish and invertebrate habitat and improve oxygen levels in the water downstream. By creating a rock riffle water levels during spring flood events should continue to flood the adjacent river oxbows providing important fish and amphibian habitat. If the weather (water levels) cooperate the construction will hopefully be completed in September.



*Left: Typical constructed riffle plan view
Above Right: Typical riffle cross section*

Staff Report

To: Board of Directors
Date: August 31, 2016
From: Erin Carroll, Manager of Biology
Subject: 2016 Wetland Evaluations

9. (vi)



St. Clair Region Conservation Authority has continued project in partnership with the Ministry of Natural Resources and Forestry (MNR) to evaluate wetlands in the St. Clair Region. For 2016/17 Environment Canada through the Great Lakes Sustainability Fund (GLSF) is also a partner on this project. This updated information will be used to make better informed resource management decisions:



This Cardinal Flower, *Lobelia cardinalis*, photographed at Plum Creek wetland is found in wet sunny habitats.

- Aylmer District staff will work with staff from St. Clair Region Conservation Authority, to identify and evaluate high priority Wetlands (i.e. development pressures, vulnerable drinking water sources, areas with out of date evaluations)
- 1200ha of wetlands (5 wetland complexes) will be evaluated annually using methodology outlined in the Ontario Wetland Evaluation System (OWES) to determine significance (e.g. Provincially or non-provincially significant). At least 4 of these wetland complexes (100 ha) will be located within the St. Clair River Area of Concern.
- at least 2 previously evaluated wetlands will be updated using OWES to determine potential changes in significance, in vegetation communities or hydrological processes over time.
- results of evaluations (including significance) and mapping will be communicated to MNR annually for incorporation into LIO (Land Information Ontario) (or other supported GIS applications) and annually to municipalities for incorporation into municipal planning documents (official plans).

Work on this project started in mid-June and will continue into early 2017.

Staff Report

10. (i)



To: Board of Directors
Date: September 1, 2016
From: Steve Shaw, Conservation Services Department
Subject: Lambton Shores Coastal Wetland Phragmites Control Project

- Lambton Shores Coastal Wetland is located immediately to the south of Kettle & Stony Point First Nation land and is approximately 150 acres in size.

- this large coastal wetland has been invaded by *Phragmites australis* and is almost completely void of native vegetation and wildlife species.



- the Conservation Authority partnered with the Lambton Shores Phragmites Community Group in 2014 and has been successful obtaining a grant in partnership through MOECC's Great Lakes Guardian Community Fund in 2015 and 2016 for phragmites control work in this Great Lakes wetland recovery project.

- this spring started out with very high lake levels resulting in deep water throughout most of the wetland which prevented the planned method of control work from taking place (rolling and burning and spraying).



- the cut and drown method was chosen for this year's course of action.

Approximately 4 acres of phragmites wetland has been cleared so far. SCRCA summer staff worked with the cut team to haul in all chopped material from the water and onto land which will then be burned after it dries out. Plans to spot treat newly sprouted sections from last year's activities is scheduled for the fall.



- a wetlands expert from the Tillsonburg area will be mapping and monitoring the cut areas as well as providing management/control advice and options.
- work will continue into September and October with follow up treatments planned over the next several years.
- this is a slow and tedious method of control for such a large area. Plans for an emergency use of pesticides permits is in the works for next year.

Staff Report

10. (ii)



To: Board of Directors
Date: September 1, 2016
From: Steve Shaw, Conservation Services Department
Subject: West Nile Virus - Lambton County Mosquito Control Program

* the number of human West Nile virus cases has declined dramatically since Lambton County started their mosquito larva control program approximately 12 years ago. There were more than 50 human WNV cases and several deaths attributed to the virus in 2004 and 2005. In 2015 there were no confirmed human cases of West Nile virus infections reported in Lambton County and the same results for 2016 to date.



* the two most common mosquito species in Southern Ontario that is most likely to spread West Nile virus to humans are *Culex pipiens* (the common house mosquito) and *Culex restuans* (the white-dotted mosquito). Both species lay eggs in swallow stagnate water that urban catch basins provide.

* control methods for mosquitos are to remove stagnant water and where that is not possible, interrupt the mosquito life cycle. The larvicide treatment program stops mosquito pupa from developing into biting adult mosquitos and is the method used for all catch basins in Sarnia-Lambton.



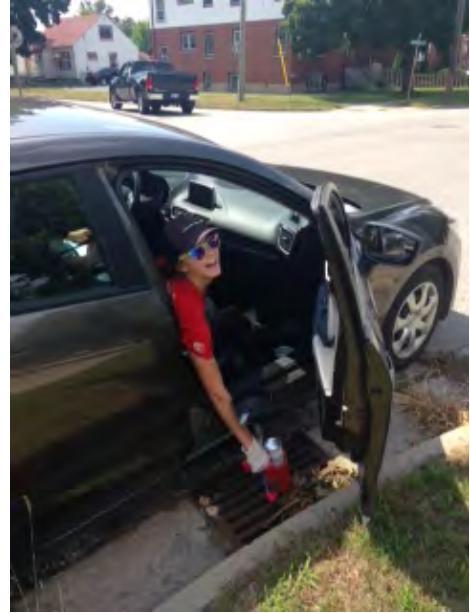
* the final application of larvicide for Lambton County including the City of Sarnia and all towns and villages was completed by conservation services staff on August 25th and will be residual into mid- September when mosquito populations start to decline.

* four staff working from the Strathroy office and 2 staff from the Darcy McKeough Dam treated 3,000 catch basins with a single season long methoprene briquette and approximately 13,500 catch basins were treated with three applications of methoprene pellets at 21 day intervals.

- * post treatment efficacy testing will take place between 15 and 20 days after the third round for the pellet treated catch basins and between 60 to 90 days for the season long briquette treated catch basins. Results will be sent to the Lambton Public Health later in September.

- * two permits for the mosquito control works were received from the Ministry of the Environment and Climate Change in June.
 1. Sarnia-Lambton – 16,500 methoprene pellets and briquettes
 2. Sarnia-Lambton – Bti for wetlands and emergency situations

Aamjiwnaang and Kettle/Stoney Point First Nation were also treated with methoprene pellets. No permits were required under M.O.E.C.C



Staff Report

10. (iii)



To: Board of Directors
Date: September 1, 2016
From: Steve Shaw, Conservation Services Department
Subject: Large Stock Tree Program Report

Large Stock Program

- the large stock tree program has been part of the SCRCA tree planting program since the 1980's and was created to make inexpensive trees available to the counties and municipalities for local planting projects as well as for rural landowners wishing to plant smaller areas but with larger trees.
- these larger trees are used mainly for memorial forest tree planting, street tree planting and shelterbelt planting programs. They are normally conservation/park grade trees that were not perfectly formed, based on Landscape Ontario standard grading methods, but are healthy, good quality and inexpensive trees.
- native evergreen (coniferous) trees come balled and burlapped and up to 1 meter in height.
- native hardwood (deciduous) trees come in either bare root or potted containers and range between 1 m and 2.5 m in height
- prices range between \$10 and \$40 per tree based on species, size and container type
- between 2012 and 2016 approximately 750 trees were ordered each year at a total cost of approximately \$20,000.
- the only participating municipality between 2012 and 2016 was Brooke-Alvinston. Municipalities need to fill in the order form and return to the SCRCA office by the deadline to ensure trees are reserved for the spring planting season.
- applications are normally faxed or emailed to each municipality in the winter for spring pickup.
- due to recent difficulties in obtaining desired stock we have changed the order deadline to December 15th 2016 for spring 2017 tree orders.



Staff Report

10. (iv)



To: Board of Directors
Date: September 1, 2016
From: Steve Shaw, Conservation Services Department
Subject: Conservation Services Program Report

Tree Planting Program

- currently there are approximately 30 landowners on the contact list for 2017 tree planting - full service program
- landowner appointments for site visits scheduled to start this month
- all projects that meet the program criteria are planned for project review in November for funding approval under one or more of the grant programs that SCRCA has available for financial incentive for 2017.
- more than \$150,000 in grants have been secured through multiple tree planting and stewardship programs much of this funding is used to offset project expenses and landowner costs.
- survival assessments were completed in July for a portion of 2016, 2015 and 2011 planting projects.
- 92% tree survival was the average for 2016 sites and an average survival rate for the last 5 years of tree planting came in at 89%
- survival rates are only attainable at this level with landowner involvement combined with our 3-year herbicide application program.

Seed Collection Program

- this year's tree seed collection will start in the first week of October.
- deciduous trees are a major component of the SCRCA planting program and future seedlings from tree nurseries is directly related to the tree seeds collected and ship annually.
- all tree seed collected by SCRCA staff is completed in the Southwest tree seed zone primarily in Lambton County. This ensures that trees planted by SCRCA in the future will come from genetically local tree stock.



Managed Forest Tax Incentive Program (MFTIP)

- one new managed forest tax plan approved for 2017
- three renewal managed forest tax plans approved for 2017
- MFTIP plans for SCRCA properties are due in 2018
- we have one plan approver on staff certified to write and approve forest management plans for tax purposes
- approved plans are send to MNRF and then updated information is sent to MPAC
- MPAC adjusts property taxes on the forested portion of the property equal to farmland tax rates.



Vegetation Management Program

- approximately 15 km of municipal brush spraying was completed this summer for the municipality of Southwest Middlesex. Regrowth of woody trees and shrubs from the previous year's drain clean out is treated with a herbicide to prevent re-establishment.
- approximately 200,000 trees require follow up fall herbicide treatment this fall
- fall herbicide application for vegetation control on 2013 to 2016 tree planting sites are scheduled to start in the 3rd week of September will continue into November after the deciduous seedlings go into dormancy and drop their leaves, ending after the first heavy frost.

2016 Stewardship funding

- Ministry of Natural Resources and Forestry's Species at Risk program for 2016-2017 habitat stewardship projects.
- Great Lakes Guardian Community Fund grant for phragmites control work in Lambton Shores
- Forests Ontario funding for projects 2.5 acres in size or larger in the amount of \$69,542 approved for 2016 tree planting costs for 10 planting projects including funding for the 5-acre Assist Migration (climate change) plot at Warwick CA this spring.
- OPG funding for Lambton and Chatham Kent tree planting approved for projects 1 acre in size or larger.

Union Gas Lobo Compressor Station
2016 Tree Planting Site – 22,000 trees



SCRCA Planning Activity Summary for the month of

June 2016 11(i)

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
OPA ZBA	ADELAIDE-METCALFE	ADELAIDE	LOT 1	CON 1 NER	
ZBA 2014	CHATHAM-KENT	CHATHAM	LOT 1	CON 2 GORE	DUFFERINE AVE
EA 14 2015	CHATHAM-KENT	CHATHAM	LOT 2	CON 2 GORE	
FI 2016	DAWN-EUPHEMIA	EUPHEMIA	LOT 25	CON 2	BENTPATH LINE
SEV B003/2016	DAWN-EUPHEMIA	DAWN	LOT 22	CON 1	DAWN VALLEY ROAD
FI 2016	ENNISKILLEN	ENNISKILLEN	LOT 21	CON 13	BLACK ASH ROAD
ZBA 04/2016	LAMBTON SHORES	BOSANQUET	IPPERW	FRONT	MARGARET PLACE
FI 2016	LAMBTON SHORES	BOSANQUET	IPPERW	FRONT	JUNIPER LANE
SUB 38T89010	PETROLIA	ENNISKILLEN	LOT 13	CON 9	
VAR A13/2016	SARNIA	SARNIA	LOT 65	CON 9	LAKESHORE ROAD
FI 2016	SARNIA	SARNIA	LOT 62	CON 9	BEACH LANE
FI 2016	SARNIA	SARNIA	LOT 61	CON 9	TUDOR CLOSE
FI 2016	SARNIA	SARNIA	LOT 53	CON 9	HILCREST ISBET DRIVE
FI 2016	SOUTHWEST MIDDLESEX	MOSA	LOT 2	CON 5	KNAPDALE ROAD
VAR A16/2016	ST. CLAIR	SOMBRA	LOT E	CON 5	RIVERSIDE DRIVE
FI 2016	ST. CLAIR	MOORE	LOT 16	CON 9	KIMBALL ROAD
FI 2016	ST. CLAIR	SOMBRA	LOT 5	CON 5	POINTE LINE
LL 2016	STRATHROY-CARADOC	ADELAIDE	LOT 22	CON 2 SER	WRIGHT STREET
FI 2016	STRATHROY-CARADOC	ADELAIDE	LOT 21	CON 5 SER	METCALFE STREET WEST
SEV B01/2016	STRATHROY-CARADOC	ADELAIDE	LOT 19	CON 4 SER	HEALY AVE
SUB39T-SC1101	STRATHROY-CARADOC	ADELAIDE	LOT 23	CON 2 SER	SECOND STREET

SCRCA Planning Activity Summary for the month of

July 2016

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
FI 2016	ADELAIDE-METCALFE	METCALFE	LOT 17	CON 2	KATESVILLE ROAD
FI 2016	BROOKE-ALVINSTON	BROOKE	LOT 5	CON 6	SHILOH LINE
FI 2016	BROOKE-ALVINSTON	BROOKE	LOT 5	CON 10	PETROLIA LINE
OPA SEV ZBA	CHATHAM-KENT	CHATHAM	LOT 1	CON 2 GORE	DUFFERINE AVE
FI 2016	CHATHAM-KENT	CHATHAM	LOT 12	CON 1 GORE	KING STREET
FI 2016	LAMBTON SHORES	BOSANQUET	LOT 1	CON 18	CLEMENS LINE
GI 2016	MIDDLESEX CENTRE	LOBO	LOT 17	CON 8	
ZBA	PLYMPTON-WYOMING	PLYMPTON	LOT 50	CON FRONT	LAKESHORE ROAD
FI 2016	PLYMPTON-WYOMING	PLYMPTON	LOT 17	CON 7	MICHIGAN LINE
FI 2016	SARNIA	SARNIA	LOT 16	CON 3	PLANK ROAD
EA 03 2016	SARNIA	SARNIA	LOT 7	CON 9	GREEN STREET
LL 2016	SOUTHWEST MIDDLESEX	MOSA	LOT 5	CON 4	KNAPDALE DRIVE
LL 2016	ST. CLAIR	MOORE	LOT 21	CON 12	LADYSMITH ROAD
FI 2016	STRATHROY-CARADOC	ADELAIDE	LOT 23	CON 3 SER	KATIE LANE
VAR A11/16	STRATHROY-CARADOC	CARADOC	LOT 6	CON 6	INADALE DRIVE
SUB 39T-SC0501		STRATHROY-CARADOC		ADELAIDE LOT 23	CON 3 SER
FI 2016	STRATHROY-CARADOC	ADELAIDE	LOT 22	CON 4 SER	FRTON STREET EAST
FI 2016	STRATHROY-CARADOC	CARADOC	LOT 15	CON 6	OLDE DRIVE
EA- 02-2016	WARWICK	WARWICK	LOT 20	CON 3 SER	NAPPERTON ROAD

SCRCA Planning Activity Summary for the month of

August 2016

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
LL 2016	ADELAIDE-METCALFE	ADELAIDE	LOT 27	CON 2 SER	DOLPHIN ROAD
OPA 09	ADELAIDE-METCALFE	ADELAIDE	LOT 19	CON 5 SER	PIKE ROAD
FI 2016	BROOKE-ALVINSTON	BROOKE	LOT 7	CON 8	SUTORVILLE ROAD
LL 2016 (2)	DAWN-EUPHEMIA	DAWN	LOT 13	CON 10	GOULD ROAD
FI 2016	DAWN-EUPHEMIA	DAWN	LOT 19	CON 3	ROBINSON ROAD
FI 2016	ENNISKILLEN	ENNISKILLEN	LOT 9	CON 11	PETROLIA LINE
SEV B004/2016	ENNISKILLEN	ENNISKILLEN	LOT 22	CON 10	BLACK ASH ROAD
FI 2016	ENNISKILLEN	ENNISKILLEN	LOT 10	CON 10	PETROLIA LINE
FI 2016	LAMBTON SHORES	BOSANQUET	LOT 5	CON 19	WEST PARKWAY DRIVE
FI 2016	OIL SPRINGS	ENNISKILLEN	LOT 19	CON 2	GYPSIE FLATS
FI 2016	PLYMPTON-WYOMING	PLYMPTON	LOT 6	CON FRONT	CRAIGMERE LEA
GI 2016	PLYMPTON-WYOMING	PLYMPTON	LOT 17	CON 5	LONDON LINE
FI 2016	PLYMPTON-WYOMING	PLYMPTON	LOT 18	CON 6	HILLSBORO ROAD
VAR A06/2016	PLYMPTON-WYOMING	PLYMPTON	LOT 41	CON FRONT	OIL HERITAGE ROAD
OPA ZBA	SARNIA	SARNIA	LOT 46	CON 9	MODELAND MICHIGAN
FI 2016	SARNIA	SARNIA	LOT 63	CON 9	BEACH LANE
VAR A38/2016	SARNIA	SARNIA	LOT 4	GORE OR CON A	WATERWORKS ROAD
VAR A39/2016	SARNIA	SARNIA	LOT 40	CON 9	LAKESHORE ROAD
SUB 38T-16002	ST. CLAIR	MOORE	LOT 27	CON 11	ST CLAIR HEIGHTS
LL 2016	ST. CLAIR	MOORE	LOT 7	CON 5	SYDENHAM AVE
VAR A22/2016	ST. CLAIR	SOMBRA	LOT E	CON 5	RIVERSIDE DRIVE

File Reference Codes:

CZ - Comprehensive Zoning	SEV - Severances	GI - General Inquiry	FI - Regulations Inquiry
ZBA - Minor Zoning Bylaws and Amendments	VAR - Variances	LL - Legal Inquiries/Letters	NM - Nutrient Management
OP (A)-Official Plan (Amendments)	EA/PLEA-Environmental Assessments	SP-Site Plan	PTTW- Permit to Take Water
TC-Tree Cutting	SUB-Subdivision	DAR-Development Assessment Review	SPA-Site Plan Approval

Meetings

June

- June-2 – Middlesex Geography Network Meeting – C.Durand
- June 3 – Daponte property Adelaide Metcalfe preconsult – P. Hayman
- June 6 – Baldoon Golf Course EIS conference call with MNRF – S. Hodgkiss
- June 8 – Drinking Water Open House – Aamjiwnaang First Nation – D. Strang, A. McIntyre
- June 10 – John Simmons Park St property S-C preconsult – P. Hayman
- June 7-9 – Conservation Authority Collaborative Information Sessions (CACIS) – C.Durand, A.Seidler, L.Atkinson
- June 9 – North Strathroy Meadows site visit – P. Hayman, S. Hodgkiss
- June 14 – Canadian Remedial Action Plan (RAP) Implementation Committee – Wallaceburg – D. Strang, A. McIntyre
- June 15 – Drinking Water Open House – Sarnia – D. Strang, A. McIntyre
- June 20 – Rubly/Jack on Mack Ave P-W preconsult C. Rubly – P. Hayman and D. Cundick
- June 22 – Drinking Water Open House – Wallaceburg – D. Strang, A. McIntyre
- June 24 – 6382 O'Brien Road site visit – D. Cundick, S. Hodgkiss, A. McIntyre
- June 29 – Regulations Committee Meeting – B. McDougall, P. Hayman, G. Sankar, S. Hodgkiss, D. Cundick, M. Deisley
- June 30 – Gelinas property P-W Ferne Ave preconsult/site mtg erosion protection failure– P. Hayman, D. Cundick, G. Sankar

July

- July 11 – OMB prep mtg proponent subpoena re 1070 Bruce St Sarnia – P. Hayman

July 13 – Canadian side BPAC, Pt Edward – P. Hayman and D. Strang
July 14 – OPA 32 Egremont PW B. Zantingh conference call – P. Hayman
July 18 – OMB subpoena attendance re 1070 Bruce St Sarnia City Hall – P. Hayman
July 19 – 27961 Pike Road – landowner meeting in office – S. Hodgkiss, L. Nicks
July 26 – ABCA SMP Steering Committee meeting – P. Hayman (member)
July 27 – Sifton Plan of Sub Modeland Road conference call, Sarnia – P. Hayman, G. Sankar
July 28 – Baird Drone on West Ipperwash beach – P. Hayman, R. Battson, A. McIntyre

August

Aug 4 – ABCA Shoreline Tour for Steering Committee members – P. Hayman
Aug 11 – North Kent Wind Energy Teleconference – M.Deisley, D.Cundick, G.Sankar
Aug 12 – 4058 Oil Springs Line – meeting with landowner & planner at county office – D. Cundick, S. Hodgkiss
Aug 15 - W Ipperwash dynamic beach study consultation mtg with KSPFN Chief and council – P. Hayman, Baird (Fiona Duckett)
Aug 23 – PW Preconsult planning/engineering re OPA 32 Egremont Rd, Stormwater Mgt, Flood Study ToR – P. Hayman, G. Sankar
Aug 23 – PW Preconsult planning/eng Plan of Sub Comillo Egremont & Maitland – P. Hayman, D. Cundick
Aug 24 – 4058 Oil Springs Line – site visit with landowner & planner – D. Cundick, S. Hodgkiss
Aug 24 – Friends of the St. Clair River Meeting – Mooretown – D. Strang, E. Carroll
Aug-30 – W. Ipperwash Dynamic Beach study Open House – Indian Hills GC – P.Hayman, D.Cundick, A.McIntyre, B.McDougall

Drainage Act and Conservation Authorities Act Protocol (DART)
(A protocol for municipalities and CAs in drain maintenance and repair)
Completed Files

Municipal drain April – May 2016 activity report associated with the provincially approved guidance “*Drainage Act and Conservation Authorities Act Protocol (DART)*” approved by the Board April 18, 2013.*

SCRCA DART FILES**2016 JUNE**

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2670	Chatham-Kent	Chatham	Mallette Drain	Culvert Replacement	1
2671	Chatham-Kent	Camden	Farslow Drain	Bottom only cleanout, brushing bank slope	2
2672	Chatham-Kent	Chatham	Prins Drain	Bottom only cleanout, brushing bank slope	2
2673	Chatham-Kent	Chatham	Simpson Drain	Bottom only cleanout, brushing bank slope	2
2674	Chatham-Kent	Camden	Courtney Drain	Bottom only cleanout, brushing bank slope	2

SCRCA DART FILES**2016 JULY**

FHR #	Municipality	Geographic Township	Drain name	Project Description	SCRs Issued
2675	Dawn-Euphemia	Dawn	Drummond Creek Drain	Bottom only cleanout, brushing bank slope	2
2677	Dawn-Euphemia	Dawn	McIntyre	Bottom only cleanout, brushing bank slope	2

2678	Dawn-Euphemia	Dawn	Knittle and McMurphy Drain	Bottom only cleanout, brushing bank slope	2
2679	Dawn-Euphemia	Dawn	Kerr Drain	Bottom only cleanout, brushing bank slope	2
2680	Dawn-Euphemia	Dawn	Hebden Drain	Bottom only cleanout, brushing bank slope	2
2681	Dawn-Euphemia	Dawn	Dawn-Euphemia Townline Drain	Bottom only cleanout, brushing bank slope	2
2682	Dawn-Euphemia	Dawn	Molly Creek – West Branch Drain	Bottom only cleanout, brushing bank slope	2
2683	Dawn-Euphemia	Dawn	Dalton Drain	Bottom only cleanout, brushing bank slope	2
2684	Dawn-Euphemia	Dawn	Currie Creek Drain	Bottom only cleanout, brushing bank slope	2
2685	Dawn-Euphemia	Dawn	Charles Lawrence Drain	Bottom only cleanout, brushing bank slope	2
2690	Brooke-Alvinston	Brooke	McCoubrey-Colhoun Drain	Brush bank slope, bottom cleanout, culvert	3
2691	Chatham-Kent	Camden	Molly's Creek Drain	Brushing bank slope, bottom cleanout	2
2692	Chatham-Kent	Camden	Drummond Creek Drain	Brushing bank slope, bottom cleanout	2

SCRCA DART FILES**2016 AUGUST**

<i>FHR #</i>	<i>Municipality</i>	<i>Geographic Township</i>	<i>Drain Name</i>	<i>Project Description</i>	<i>SCRs Issued</i>
2700	Chatham-Kent	Dover	McLeod Creel PWS	Pump Station Maintenance	1
2701	Chatham-Kent	Dover	McKenzie PW	Pump Station Maintenance	1
2702	Plympton-Wyoming	Plympton	Jackson Drain	Bottom cleanout	1
2703	Plympton-Wyoming	Plympton	Noble Wilson Drain	Bottom cleanout	1
2704	Southwest Middlesex	Mosa	Haggerty No 1	Brush bank slope, brush top of bank	2

***Note**

The SCRs and the above report are prepared by Biology Section staff with ratification by Planning and Regulations Section/ Regulations Officer. Ontario Regulation 171/06 "Development, Interference with Wetlands & Alterations to Shorelines & Watercourses" applies, however the DART protocol is followed for streamlining purposes.

Staff Report

11. (iii)



To: Board of Directors
Date: August 22, 2016
From: Donna Strang, Remedial Action Plan (RAP) Coordinator
Subject: St. Clair River Area of Concern (AOC)

Beneficial Use Impairment (BUI) Update:

Bird or Animal Deformities or Reproductive Problems BUI:

On June 14, 2016, the Canadian Remedial Action Plan (RAP) Implementation Committee (CRIC) approved the recommendation to re-designate the “Bird or Animal Deformities or Reproductive Problems” BUI from “Requires Further Assessment” to “Not Impaired”.

The draft status assessment reports on two studies conducted in the St. Clair River AOC that look at the reproductive health and development of snapping turtles (*Chelydra serpentina*) and leopard frogs (*Rana pipiens*). Results indicated that frog embryos and snapping turtle eggs exposed to water and sediment collected from the St. Clair River experienced high hatching rates (98% and 90%, respectively). Contaminant levels measured in both species were low and deformity rates were below the average natural level observed in the wild (5%) or similar to reference locations (e.g., Lake Huron). There was no evidence of adverse effects in the growth or reproduction of frogs and turtles in the St. Clair River AOC.

Next steps will include consultation with Aamjiwnaang and Walpole Island First Nations.



Leopard frogs were collected and assessed for deformities such as missing limbs or eyes and abnormal growths. Over 18 surveys were conducted through a collaboration between Walpole Island First Nation and Environment and Climate Change Canada.

Restrictions on Dredging Activities BUI:

The “Restrictions on Dredging Activities” BUI status assessment that recommends re-designation from “Impaired” to “Not Impaired” was presented to the Binational Public Advisory Council (BPAC) on March 30, 2016. Council members reviewed the report and provided questions and recommended revisions.

Revisions to the draft status assessment have been completed and questions answered. The report will be discussed at an upcoming BPAC meeting on September 14, 2016 with an anticipated vote on approving the re-designation recommendation.

Beach Closings BUI:

At the March 21, 2016 meeting of the CRIC, committee members approved the re-designation of the “Beach Closings” BUI from “Impaired” to “Not Impaired”, constituting the first step in the re-designation process.

The “Beach Closings” BUI was identified as “Impaired” in the St. Clair River AOC due to frequent closures of beaches due to high levels of *Escherichia coli* (*E. coli*) originating from Combined Sewer Overflows (CSOs) and Water Pollution Control Plants (WPCPs). The status assessment reported on improvements in municipal infrastructure that have reduced or eliminated untreated or partially treated discharges to the St. Clair River along with *E. coli* levels at local beaches and swimming areas. Results were positive. Community consultations with Aamjiwnaang and Walpole Island First Nations has begun.

Restrictions on Drinking Water Consumption or Taste and Odour Problems BUI:

The “Restrictions on Drinking Water Consumption or Taste and Odour Problems” BUI was identified as “Impaired” in the St. Clair River AOC due to frequent water intake closures resulting from upstream industrial and municipal spills. These closures disrupted the water supply to the downstream communities of Walpole Island and Wallaceburg and also contributed to taste and odour problems.

Spill frequency has decreased significantly since the 1980’s, however concerns remain regarding the impact of spill events on drinking water quality and supply. In response to these concerns, the CRIC has released a discussion paper intended to initiate a discussion on the status of the “Restrictions on Drinking Water Consumption or Taste and Odour Problems” BUI (available at www.friendsofstclair.ca). The discussion paper provides information and data related to:

- spill frequency,
- legislation and regulations surrounding drinking water and spill prevention, and
- improvements to municipal and industrial infrastructure that reduces their connection to the St. Clair River.

Three open houses have been held (Sarnia, Aamjiwnaang First Nation and Wallaceburg) with a final one being organized at Walpole Island First Nation shortly. Comments and feedback from the community will be summarized and provided to CRIC, who will determine next steps in the assessment of this BUI.

BPAC Celebration Event for American Achievements:

A celebration event is planned for September 7, 2016 in Marysville, Michigan to celebrate the removal of the “Degradation of Benthos” and “Beach Closings” BUIs on the American side of the St. Clair River AOC. In addition, the celebration will highlight the completion of management actions for the “Loss of Fish and Wildlife Habitat” BUI. Representatives from the United States Environmental Protection Agency (USEPA) and the Michigan Department of Environmental Quality (MDEQ) will be present and tours of local habitat projects will be provided.

If interested in attending, please RSVP to:
BlueWaterRiverWalk@gmail.com.

The poster features a scenic view of the St. Clair River with a boat in the distance. The text is overlaid on the image. At the top, it says 'Friends of the St. Clair River and the Binational Public Advisory Council for the St. Clair River presents'. The main title is 'St. Clair River Celebration' in large blue letters, followed by 'September 7, 2016' in orange, '2:00 p.m.' in orange, and 'Marysville Golf Course' in orange. A blue box contains the following text: 'Join us as we celebrate the removal of the Beach Closing and Degradation of Benthos impairments for the U.S. side of the St. Clair River, and completion of the Fish & Wildlife Habitat management actions. These St. Clair River projects are a shining example of how community investment and partnership can create healthy, environmentally successful places and are significant steps towards delisting the St. Clair River as an Area of Concern.' Below this, a yellow box contains: 'Marysville Golf Course, 2060 River Road, Marysville, MI 46040. Officials from the U.S. EPA and MDEQ will speak; partner awards will be presented. Refreshments provided; golf cart tours given of completed nearby GLRI projects. Please RSVP to BlueWaterRiverWalk@gmail.com'. The 'Friends of the St. Clair River' logo is in the bottom right. At the bottom, there are four small images: a river scene, a hand holding a snake, two people on a boat, and a forest scene. A blue bar at the very bottom says 'For more information about this event or Friends of the St. Clair River, visit www.scriver.org'.

Recent and Future Meetings:

Canadian Remedial Action Plan Implementation Committee (CRIC):

- June 14, 2016 at Wallaceburg, Ontario
- September 20, 2016 at Walpole Island First Nation

Friends of the St. Clair River (FOSCR):

- August 24, 2016 at Mooretown, Ontario

Binational Public Advisory Council (BPAC):

- July 13, 2016 at Sarnia, Ontario
- September 14 at Port Huron, Michigan

Presentations and Events:

Presentations were delivered and/or St. Clair River AOC information was displayed at recent meetings and events including:

- Walpole Island Solidarity Day – June 21, 2016



On June 21, 2016, information on the “Beach Closings” and “Bird or Animal Deformities or Reproductive Problems” BUIs was displayed at Walpole Island First Nation’s Solidarity Day celebration. Over 100 community members attended the day with many stopping by the St. Clair River AOC booth to ask questions or talk about the environmental health of the River.

Staff Report

11.(iv)



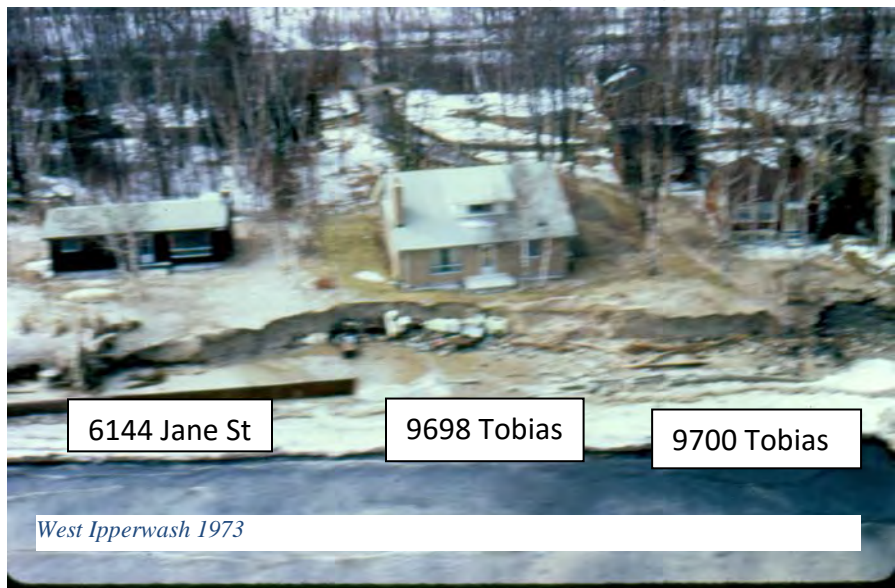
To: Board of Directors
Date: August 31, 2016
From: Patty Hayman, Director of Planning
Subject: 2016 West Ipperwash Dynamic Beach Limit Assessment

This is an update regarding the above noted assessment.

- three coastal consulting firm proposals were received.
- the lowest bid was received from Baird & Associates and following a thorough evaluation and review, the General Manager awarded the project to Baird. This was as per the motion of delegation in June 2016.
- the winning proposal was slightly under budget at \$54,500.00
- the assessment is underway. It involves an area specific analysis of the dynamic beach limit at West Ipperwash. Accepted scientific and engineering principles

will analyse the dynamic beach landward limit.

- the study involves consultation with West Ipperwash beach property owners and Kettle Stony Point First Nation (KSPFN), the latter which has “beach rights of use” as determined by the



Supreme Court of Canada. Funding constraints allowed for only 1 meeting each between First Nations and property owners. It would be beneficial to continue consultation into 2017; dependant on funding. KSPFN’s Consultation protocol is attached.

- a meeting between the SCRCA, Baird and KSPFN Chief and Council took place on August 15, 2016. Main issues: historic development on dunes, planting non-native (trees), seek greater CA enforcement re Ipperwash beach (Centre).
- a community meeting was held at Indian Hills Golf Course on August 30, 2016, where the consultant presented methodology, preliminary findings and best management practices. There was very good attendance with over 50 people attending. There are approximately 110 dwellings on the shoreline. Residents were very interested in beach improvements and the SCRCA development guidelines. Appreciation was expressed regarding the opportunity to comment.



CHIPPEWAS OF KETTLE & STONY POINT FIRST NATION

CONSULTATION AND ACCOMMODATION PROTOCOL

Approved: AUGUST 2013

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1.0 VISION OF THE DUTY TO CONSULT AND ACCOMMODATE

1.1 Overview

- 1.1 The Chippewas of Kettle and Stony Point First Nation (CKSPFN) envision the duty to consult and accommodate as a legal means to protect all the rights of CKSPFN including Treaty Rights, Aboriginal Rights and Aboriginal Title, Traditional and Cultural Rights.
- 1.2 It is recognized that the duty to consult is an enforceable right as against the Federal Crown (Crown) and the Ontario Legislature (Ontario) collectively or individually as the case may be to ensure that where they have knowledge real or constructive, of the potential existence of an Aboriginal and Treaty Right and are in contemplation of conduct that may adversely affect it, there is a duty to consult and potentially accommodate Aboriginal and Treaty interests and Rights.
- 1.3 It is understood that the Crown and Ontario cannot delegate this obligation to third parties, and that they remain responsible throughout the process of consultation and accommodation. However, in practical application it may be efficient to consult with the third party industrial proponents directly while still holding the Crown and Ontario ultimately responsible.

2.0 PURPOSE AND APPLICATION

- 2.1 This Protocol determines the rules and procedures of CKSPFN in its respectful dealing with the Crown, Ontario and industrial proponents when an activity is proposed to occur in CKSPFN's Traditional Territory that may adversely affect any or all of CKSPFN's Rights.
- 2.2 This Protocol was developed specifically for CKSPFN and supersedes any Crown or Ontario protocols, policies and/or guidelines that were developed to be applied more broadly to all First Nations.
- 2.3 It is expected that the Crown, Ontario and industrial proponents will respect this Protocol and abide by it in all interactions with CKSPFN.

3.0 DEFINITIONS

Aboriginal Right, means those rights identified by CKSPFN that are of cultural significance stemming from various practices and traditions that form an Aboriginal way of life. The source of these rights comes directly from the sacred connection to the land. They are also recognized and affirmed in Canadian law under S.35 of the *Constitution Act 1982*.

Aboriginal Title, means the right as recognized in Canadian law for Aboriginals to occupy, use and protect an area of land traditionally used by a certain Aboriginal group.

Activity means an overall term that includes any Crown or Industrial Proponent activity.

Activity Information, means any documentation or communication in relation to all aspects of an Activity including but not limited to:

1. Location, including a map of the site that will be impacted by the Activity and/or a detailed description of the area;
2. Timing, including when the activity is proposed to begin and end;
3. Full description of the proposed Activity, including the purpose and stage of development;
4. All information and documents provided by the Industrial Proponent to the Crown in respect of the proposed Activity;
5. Any other information or documents that the Crown and/or Industrial Proponent considers relevant.
6. Known, or potential impacts as a result of the Activity; and
7. The name and contact information for the Crown Designate and Industrial Proponent, if applicable.

Canada, means the federal government of the federal Crown, her Majesty the Queen in right of Canada.

Chief, means the duly elected member of CKSPFN under S. 74 of the Indian Act.

Chippewas of Kettle and Stony Point First Nation, (CKSPFN) means the Aboriginal people within the meaning of S. 35 of the Constitution Act, 1982, which is a First Nation and a Band pursuant Section 2 to the Indian Act.

CKSPFN Communication Relations Officer means the person appointed by CKSPFN to whom Notification is sent and who is mandated to ensure that where applicable CKSPFN Representative(s) is/are appointed in respect of the particular activity referred to in the Notification.

CKSPFN Representative(s), means the person(s) appointed by CKSPFN to participate in the consultation and accommodation process about a particular activity and such person(s) must have the authority to act on behalf of CKSPFN in regard to same.

Contact Information, means the name and contact information of the Crown Designate as well as the Industrial Proponent if applicable.

Council, means the duly elected members of CKSPFN under S.74 of the Indian Act.

Crown, means either or both of Canada and Ontario, and includes any Department, Ministry or component thereof.

Crown Activity, means:

1. New legislation, regulations, policies, programs and plans that provide authority to or are implemented or to be implemented by the crown;
2. Changes to legislation, regulations, policies programs and plans that provide authority to or are implemented or to be implements by the Crown;
3. Issuance, varying, approval, suspension or cancellation of permits, licenses, authorizations, renewals or anything similarly administrative by the Crown; and
4. Anything else authorized or undertaken by the Crown that may have an Impact on CKSPFN.

Crown Designate, means such person with or appointed by the Crown to be the lead contact on behalf of the Crown for consultation and accommodations with CKSPFN in respect of any Activity.

Cumulative Effects, means the effects resulting from successive additions or gradual building up of additional Industrial Proponent activity.

Day, means a business day and excludes weekends and statutory holidays.

Emergency Situation, means a situation that is likely to endanger the life or health of any person, or that is likely to result in an environmental catastrophe.

Environment, means all components of the earth, and includes but is not limited to:

1. land, on the surface and below;
 - i. Surface includes all organic and inorganic organisms, including flora and fauna and humans. It includes all architectural structures, roadways and all other things man-made; and
 - ii. Below surface includes all organic and inorganic organisms, including flora and fauna, minerals, gases, liquids that are contained in the land. Below surface specifically includes physical and cultural heritage, any structure, site or thing that is of historical, archaeological, paleontological or architectural significance.
2. water includes all organic and inorganic organisms, including flora and fauna and humans;
 - i. water includes all man-made objects e.g. boats, nets, water pipes and structures situated along the water e.g. docks or factories.

3. Air includes all layers of the atmosphere and the inorganic and organic organisms including flora and fauna and humans;
 - i. Air includes any and all architectural structures; and
 - i. Air includes the quality of breathing air.

All the components of the Environment contribute to the physical, social, economic, cultural, spiritual and aesthetic conditions and factors that affect the physical or socio-psychological health of CKSPFN and any of its members, thus these factors are included in the definition as well.

Environmental Assessment, means the reports prepared for Industrial Proponent Activity that may potentially impact upon the environment and require a ministry approval.

Health, means the physical or socio-psychological health and well-being of CKSPFN and any and all of its members.

Impact, means any adverse effect that any Activity may cause to the Environment within CKSPFNs Traditional Territory or the Health of CKSPFN or any and all of its members or any CKSPFN right including Treaty Right, Aboriginal Right and Aboriginal Title.

Impact and Benefits Agreement (IBA) means an agreement made between CKSPFN and an Industrial Proponent that provides consent or support for an Activity to proceed in exchange for benefits. Each IBA will be negotiated individually and is a possible outcome of the duty to accommodate.

Impact Information, means any documentation or communication in relation to the potential Impact an Activity may have on CKSPFN's Traditional Territory, Health of CKSPFN or any and all of its members or any CKSPFN right including Treaty Right, Aboriginal Right and Aboriginal Title.

Industrial Proponent, means the party, which may include, but not be restricted to, the Crown, a corporation, partnership, joint venture, sole proprietorship, association, organization, person or the like, other than CKSPFN that would undertake or is undertaking the Activity.

Industrial Proponent Activity, means any Activity pursuant or incidental to anything authorized or ordered by the Crown, or that the crown is contemplating authorizing or ordering that may have an Impact on CKSPFNs Traditional Territory.

Notification, means the initial written notice sent to CKSPFNs contact by the Crown, and/or Industrial Proponent, which shall contain as much Activity, Contact and Impact Information as is in the possession of the Crown and/or Industrial Proponent at the current stage of development.

Ontario, means the Provincial government or Provincial Legislature or Queen in right of Ontario.

Protocol, means the CKSPFN Consultation & Accommodation Protocol.

Reserve, means the unceded reserve of CKSPFN which is Kettle and Stony Point Reserve No. 44 and 45. This reserve is under the Indian Act R.S.C. 1985 c.1-5, as amended (the Indian act), is referred to in Ojibwe as “Wiikwednong Minwaa Azhodena.” For the purposes of this Protocol, the Traditional Territory of CKSPFN does not include the Reserve.

Royal Proclamation (1763), means the Proclamation of Britain which established an “Indian Country” where Aboriginal land was protected from encroachment. It stated that land had to be voluntarily ceded to the Crown before non-aboriginal settlers could occupy it. The area historically used and occupied by Kettle and Stony Point ancestors lay within the protected “Indian Country”.

Traditional Rights, include those to hunt, fish and trap, to harvest and gather plants for food and medicine, to protect and honour burial sites and other sacred and culturally significant sites, to sustain and strengthen its spiritual and cultural connection to the land, to govern itself and to participate in all governance and operational decisions about land use and resource management and extraction.

Traditional Territory, means the territory as described in Appendix “A”.

Treaty, means any historical agreement as between the ancestors of CKSPFN and the Crown, the Crown includes the Dominion of Canada as heir to Her Majesty the Queen.

1. Specific treaties that apply include but are not limited to:
2. Treaty of Niagara of 1764
3. The Jay Treaty of 1794
4. Provisional Agreement of 1819
5. Treaty 27 ½ of 1825
6. Treaty 29 or 1827 (Huron Tract Treaty)

Treaty Right, means those special rights to lands and entitlements that CKSPFN legally possesses as a result of treaties or verbal promises that were made while treaties were negotiated. Section 25 of the Constitution act, 1982 recognizes and affirms, the “existing Aboriginal and Treaty Rights of the Aboriginal people of Canada.”

4.0 LEGAL STATUS & INTERPRETATION

4.1 Legal Status

4.1.1 No Aboriginal Right, Aboriginal Title, Treaty Right may be abrogated or derogated from or through operation of this Protocol other than by proper legal authority of CKSPFN.

4.1.2 Nothing in this Protocol may be construed to limit any consultation or accommodation obligation owed to CKSPFN by the Crown or any Industrial Proponent.

4.1.3 Notwithstanding anything in this Protocol, CKSPFN retains the right to challenge, by way of judicial review or any other legal processes, any activity associated or referred to herein.

4.2 Interpretation

4.2.1 All clauses in this Protocol are to be interpreted broadly and purposively. In the event of a dispute as to the meaning or intent of a particular clause, CKSPFN will determine the meaning or intent as it sees fit.

4.2.2 This Protocol should be interpreted to include all feminine references when reference to masculine is made.

5.0 GUIDING PRINCIPLES FOR CONSULTATION AND ACCOMMODATION

- 5.1 CKSPFN are a self-defined people, they have lived in their Traditional Territory since time immemorial and practice their unique way of life in accordance with their laws and customs as stewards of the land. There is a vital connection between the members of CKSPFN and the lands and waters that are essential to the health of the community.
- 5.2 As a steward of the land, CKSPFN is required to preserve and enhance a respectful relationship with the environment. It is the belief of CKSPFN that the community should look ahead for seven generations and to ensure that all wildlife, lands, waters, air and resources are preserved and protected in order to continue the existence of CKSPFN and its members health, culture, laws, livelihood and economy.
- 5.3 CKSPFN assert that it's Aboriginal and Treaty Rights, and Aboriginal Title in their Traditional Territory will be viewed to specifically include the Traditional Rights and their modern day equivalents. Modern day Aboriginal and Treaty Rights and Aboriginal Title include the right to manage the resources located on the Reserve and Traditional Territory to benefit new or continuing economic activities, enterprises, permits licenses, tenures and to permit revenue and revenue transfers.
- 5.4 CKSPFN continue to assert and exercise Aboriginal and Treaty Rights and Aboriginal Title to all parts of its Reserve and Traditional Territory. This includes the areas that have not conventionally been viewed to form part of their Treaty, that being the water and lakebed of Lake Huron.
- 5.5 All parties to consultation and accommodation processes are expected to treat each other with respect and act in good faith, in an honest, transparent and open manner in accordance with the Haida, Taku River and Mikisew Cree decisions.
- 5.6 The Crown and the Industrial Proponent must always consult with CKSPFN and take all possible steps to accommodate CKSPFN by substantially addressing all of CKSPFN legitimate concerns about the Activity in question.
- 5.7 CKSPFN recognizes that as a steward of the environment, its input and perspective in any consultation and accommodation process will likely include the use of traditional ecological and cultural knowledge as well as knowledge from modern science and technological sources.
- 5.8 The cumulative effects of each individual Activity as well as the effect of all Activities in CKSPFN' s Traditional Territory must be included in the consideration of any consultation and accommodation process. This may include the effects of any one Activity with that of existing Activities or the residual impact of previous Activities and future planned Activities.

- 5.9 In terms of any environment assessments, or related process, CKSPFN expects to take a significant role. This may include requesting to have a role in establishing the scope and terms of reference, appoint a member to any environmental assessment review panel, and to review and comment on the environmental impact statements, and any screening study or the like reports. However, these requests and subsequent roles and responsibilities do not in and of themselves fulfill the Crown duty to consult or accommodate.
- 5.10 A process of consultation and accommodation must be designed and implemented with flexibility in order to take into account the importance of CKSPFN's Aboriginal and Treaty Rights, Aboriginal Title, health and environmental considerations that could be affected by the Activity, and the seriousness of the possible Impact. It will be incumbent on CKSPFN to decide how much flexibility a certain process requires, this can include whether or not CKSPFN deems consultation in respect of an activity necessary or not or the level of consideration and accommodation necessary. It will not be the responsibility of the Industrial Proponent or Crown to decide how much or little consultation or accommodation is required.
- 5.11 It is recognized that CKSPFN may take time to make decisions based on the required amount of consultation and accommodation required for a specific activity, and Industrial Proponents must consider all relevant matters and obtain approval from Chief and Council for certain matters or from elders of the community. However, a timely response to Notices is expected as part of the mutual relationship with the Crown and Industrial Proponents.
- 5.12 CKSPFN realizes that the Crown may delegate procedural aspects of their duty to consult and accommodate to the Industrial Proponent. However, CKSPFN requires the Crown to remain in an oversight role throughout the entire process unless CKSPFN requests otherwise.
- 5.13 In terms of funding, the Crown are responsible to fund or ensure funding is provided by any relevant Industrial Proponent for all the reasonable costs of CKSPFN to enable them to participate in a meaningful and informed way in any consultation and accommodation process.
- Capacity funding may include, but is not limited to:
- Meeting expenses
 - Travel expenses, accommodation, and other honoraria
 - Hiring outside experts or staff to provide critical analysis
 - Completion of third-party reviews of Environmental assessment documents or legal agreements
 - Administrative disbursements
 - Other costs.
- Costs may also increase / decrease depending on the size, scope, and community involvement necessary to hold adequate and good faith consultations. These costs will be estimated in a work plan and a budget will be provided by CKSPFN to the proponent throughout the process.

5.14 CKSPFN must be consulted by the Crown and if applicable Proponents from the earliest stages of any contemplated Activity, so that strategic and long-term planning is facilitated, CKSPFN's input can be taken into account in the consideration of relevant alternatives to such Activity (including the alternative of no activity), and in the design of such Activity. This should be a significant benefit to the planning exercise, and greatly reduce the potential for conflict at later stages.

5.15 The Crown and if applicable Proponents must always consult with CKSPFN with the intent, and where required by CKSPFN by taking all feasible steps, to accommodate CKSPFN by substantially addressing all of CKSPFN's legitimate concerns about the Activity.

5.16 Accommodation will generally include:

- a. Prevention and remediation of Impacts to the extent feasible (and where CKSPFN requires as below, by not proceeding with the Activity);
- b. mitigation of Impacts to the extent feasible;
- c. provision of capacity building and other benefits from the Activity to the extent reasonably feasible;
- d. provision of compensation and related benefits from the Activity to the extent reasonable feasible in general to compensate for Impacts; and
- e. measures to increase CKSPFN's comfort with or trust in the Activity, including community monitoring, community liaison or oversight committees, a role on Proponent's board, other decision-making roles, etc.

5.17 It is further expected that the Crown and Industrial Proponents must accommodate and/or mitigate any activity that may infringe on Kettle and Stony Point's Aboriginal Title, Aboriginal Rights, or interests.

Common types of Accommodation include, but are not limited to:

- Modification of the project, including scope, scale, or technology changes
- Employment
- Joint Ventures
- Co-management of resources
- Joint land use planning
- Training
- Limiting resource extraction and harvesting
- Conservation measures
- Hunting access
- Environmental protections and ongoing monitoring
- Alternate land arrangements
- Relocation
- Equity in companies
- Preferential contracts for services
- Community-use buildings

- Financial compensation
- Compensatory damages for past infringements or impacts

5.18 In respect of accommodation, if CKSPFN supports an Activity, it is expected that the Industrial Proponent enter into a Memorandum of Agreement (“MOA”) or the like, even if the activity is expected to result in some but not significant Impacts. An Impacts Benefits Agreement (“IBA”) will be completed when CKSPFN expects significant Impacts but does not decide to halt the Activity. The Crown is expected to work with CKSPFN when requested to ensure that the Industrial Proponent meet those expectations.

5.19 CKSPFN has every right to stop a contemplated or proposed Crown and Industrial Proponent Activity that would likely have a significant Impact.

5.20 The Crown must not dispose of or grant to any third party any interest in crown land that is part of CKSPFN’s Traditional Territory without the prior and informed consent of CKSPFN.

6.0 TRIGGER FOR CONSULTATION

6.1 Overview

The trigger for the duty to consult occurs when the Crown has knowledge, real or constructive, of an unproven prima facie case for an Aboriginal Right, Treaty Right or Aboriginal Title. The Crown must also be in contemplation of infringing these rights, usually in the form of some Activity. The Crown must also act honourably towards CKSPFN and consult and accommodate when they become aware of a proposed Industrial Proponent Activity in CKSPFN's Traditional Territory that may have an Impact.

6.2 Policy

6.2.1 In addition, CKSPFN will engage in consultations and negotiations or accommodation at the strategic-planning level, including but not limited to;

- a. Co-management of resources
 - i. Fisheries
 - ii. Wildlife
 - iii. Protection plans etc.
- b. Protection and management of watersheds and ecosystems
- c. Land use planning for broader areas in the Traditional Territory

6.2.2 If an Activity has begun or is continuing before consultation with CKSPFN is completed, and such consultation would have been normally triggered, the Crown and if applicable the Industrial Proponent must undertake consultation with and ensure accommodation of CKSPFN forthwith. CKSPFN expects the Crown to suspend such Activity where to do so would not cause undue hardship to the respective parties until the consultations are completed.

7.0 CONSULTATION AND ACCOMMODATION PROCESS

7.1 Initial Contact

7.1.1 The primary individual who the Crown and the Industrial Proponent will contact is the CKSPFN Communication Relations Officer. This person or the person standing in for him, will be appointed or hired at the discretion of CKSPFN or the Band Administrator/CEO.

7.1.2 All Notifications are to be sent to the CKSPFN Communication Relations Officer, with copies forwarded to the Band Administrator and the Chief.

7.1.3 The means of delivery of all Notifications is discretionary, via letter mail, email, or fax, of the contemplated Activity, at the earliest possible stage.

7.1.4 The CKSPFN Communication Relations Officer will where possible confirm receipt of such Notification to the Crown Designate and if applicable the Industrial Proponent **within 5 days** of receiving it.

7.1.5 If the Crown designate or Industrial Proponent does not receive receipt of Notification within 5 business days, they must contact the Chief and/or the First Nation Manager/CEO to determine whether the Notification was received and to gain further contact information.

7.1.6 If the Industrial Proponent is source of the initial contact, CKSPFN expects that the Crown is aware of the contact and will initiate a consultation and accommodation process forthwith unless CKSPFN requests otherwise.

7.1.7 In the event that the Crown are contemplating or taking action to address an Emergency Situation, no Notification is required prior to action being taken. However, immediately following the containment of the Emergency Situation, notification of the action taken to address the emergency situation must be sent to CKSPFN. Subsequent consultation and accommodation processes may follow.

7.2 Determination of Level of Consultation and Accommodation Required

7.2.1 The Communication Relations Officer will if possible within 3 days of receipt of the Notification, forward to the Band Council or a committee or a delegate of the Band Council as the Band Council may determine from time to time.

- 7.2.2 If a committee is chosen then it shall consist of 2 resource individuals and 3 to 4 committee members. Committee members shall consist of the following: 1 health care professional, 1 business development professional, and 1 legal professional. In the event that negotiations are contemplated or entered into then 1 negotiations professional may be considered.
- 7.2.3 If a committee is delegated the task, they will be charged with the duty of making recommendations as to whether consultation and accommodation is required and if so, the level of consultation and accommodation that is likely required.
- 7.2.4 If consultation and accommodation is recommended by the committee, the committee shall also make a recommendation to appoint a CKSPFN Representative(s) for the particular consultation and accommodation process.
- 7.2.5 If the Band Council or Band Council delegate chooses to address the Notification, then they will be responsible for deciding whether or not to engage in a consultation and accommodation process, what level of consultation and accommodation is required and the appointment of CKSPFN Representative(s).
- 7.2.6 If the Band Council or Band Council delegate decide that no consultation and accommodation is required, the Communication Relations Officer will be directed to provide notice to the Crown and if applicable the Industrial Proponent that no consultation or accommodation is required.
- 7.2.7 If the Communication Relations Officer does not receive a decision from the Band Council within the time requested, he will:
- a. If he recommends that no consultation or accommodations is required, provide notice to the Crown and if applicable the Industrial Proponent that no consultation or accommodation is required subject to further review.
 - b. If he recommends that consultation and accommodation is required, appoint the CKSPFN Representative(s) and inform them of his recommendation as to the level of consultation and accommodation likely to be required.

7.3. Preparation for Consultation and Accommodation Process

- 7.3.1 The CKSPFN Representative(s) will begin by reviewing the Notification to determine whether further information is required in order for CKSPFN to develop a work plan and budget for consultation and accommodation in respect of the particular activity.
- a. Considerations may include, studies required, e.g. EA's technical studies, legal input and community input.

7.3.2 The Representative(s) will contact the Crown Designate and if applicable the Industrial Proponent as soon as possible after being appointed, to identify himself or themselves and to request any further information that is required and to set a target date when a work plan and budget for CKSPFN's participation in the process will be forwarded to the Crown Designate and if applicable the Industrial Proponent.

7.3.3 The Representative(s) will prepare a draft work plan for the consultation and accommodation process and a budget for CKSPFN to participate in a meaningful and informed way.

7.3.4 The work plan will general include:

- a. A provision stating all the required Information required by CKSPFN and a date for when that will be provided
- b. Collection of required information from CKSPFN, e.g. the nature and extent of the exercise of affected Rights and how such Rights or the Environment or Health may be impacted by the Activity, when it will be collected and subsequently turned over to the Crown Designate and if applicable the Industrial Proponent.
- c. Expert analysis or input (if required) and the types of expert information required, e.g. environmental experts, archaeological, anthropologists, forestry experts, the extent and nature of the work, e.g. field studies or review of Information, preparation of reports, and when each step is to be completed by.
- d. Legal analysis or input (if required), nature and scope of the work which may include assisting CKSPFN in negotiations and consultation process, evaluation of Information and reports on the implication of CKSPFN'S Rights of the proposed activity and the preparation of legal memorandums, and when each step is to be completed by.
- e. Consultation and accommodation meetings, their location, participants, purposes and timing.
- f. A draft work agenda to be accomplished in each consultation and accommodation meeting.
- g. Community meetings, what information will be disclosed to the community, how many meetings will be required, location and time set.
- h. The end result of the consultation and accommodation process, whether it is an MOA and/or an IBA or the like with the crown or the Industrial Proponent. The work plan will also provide for a ratification procedure for any MOAs or IBAs (if required).

7.3.5 The budget will generally include;

- a. Expenses to collect, copy and review Information
- b. Expert fees and expenses
- c. Legal fees and expenses
- d. Fees or honoraria and expenses for CKSPFN Representative(s) and/or Band Council members for their work in the consultation and negotiations
- e. Meeting costs (including room fees, refreshments, disbursements)
- f. Internal community consultation costs
- g. Administrative costs

7.3.6 The Representative(s) will if possible forward the work plan and budget to the Crown Designate and the Industrial Proponent if applicable as soon as it is completed, generally **within 30 days** of receipt of Notification or at such time the Representatives receive the Information they require to complete a work plan and budget.

7.3.7 It is expected that the Crown and the Industrial Proponent if applicable will abide by the work plan and budget submitted by CKSPFN and for the Crown to cover the budgeted costs or to ensure that the Industrial Proponent cover such costs.

7.3.8 If the Crown disagree with elements of the work plan or budget, they must send to the Representative(s) their proposed changes and reason for the changed before taking any further steps in the consultation or negotiation process.

7.3.9 CKSPN expects the Crown and the Industrial Proponent if applicable to negotiate the work plan and budget in good faith with CKSPFN, so all parties may arrive at a mutually agreeable work plan and budget.

7.4 Following the Work Plan and Further Steps

7.4.1 All parties will follow the work plan to the extent that is reasonable. If the work plan and/or budget is deemed to need revision the Communication Relations Officer will work with the Crown designate and if applicable the Industrial Proponent to make the negotiated changes.

7.4.2 It is emphasized that consultation and accommodation processes should be flexible and the parties should be patient as the process progresses.

7.5 End Results, MOA or IBA

7.5.1 The final phase of the consultation and accommodation process will often involve the negotiation of an MOA and/or an IBA, the terms and conditions of which CKSPFN will analyze to determine whether or not it wishes the Activity to proceed.

7.5.2 Depending on the severity of the impact of CKSPFN community view. The community will often have to ratify or consent to such agreements, in accordance with the ratification or consent procedure set down in the work plan.

7.5.3 The signing of an MOA and/or IBA will state that CKSPFN agrees that the Activity may proceed on whatever terms said agreements deem.



Chippewas of Kettle and Stony Point First Nation

6247 Indian Lane

Kettle and Stony Point First Nation, ON

N0N 1J1

(519) 786-2125 (Telephone)

(519) 786-2108 (Fax)

August 31, 2016

TO: SCRCA Chair and Board of Directors

SUBJECT: Administration – Section 28 Status Report – Development, Interference of Wetlands and Alteration to Shorelines
Watercourses RegulationFROM: Dallas Cundick, Environmental Planner / Regulations Officer
Melissa Deisley, Regulations Officer

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 June 1, 2016 to August 31, 2016.

June 1, 2016 to June 30, 2016

Application No.	Applicant and Subject Property	Proposed Works <i>Permissions may be granted where in the opinion of the CA, the control of Flooding, Erosion, Dynamic Beach, Pollution, or the Conservation of Land will not be affected by the development.</i>	Submission Complete:
			Permit Issued:
11075-Amended	Helen Bennett 1898 Baseline Road Township of St. Clair	<ul style="list-style-type: none"> Construct a Pole Barn Farm Building Works outside Natural Hazards Associated with Clay Creek; 	03/06/2016
			08/06/2016
11131	Union Gas Limited Florence Road Township of Dawn-Euphemia	<ul style="list-style-type: none"> Install New NPS 2" Pipeline; Plans prepared by Union Gas Limited; Works will utilize the HDD method; 	23/03/2016
			02/06/2016
11140	Paul Wicks 1310 Hillcrest Nisbet Drive City of Sarnia	<ul style="list-style-type: none"> Shoreline Protection Improvements; Plans completed by Shoreplan Engineering Ltd.; 	25/04/2016
			19/05/2016
11141	Paul Dobbellaar 5783 Stewart Line Municipality of Chatham-Kent	<ul style="list-style-type: none"> New Single Family Dwelling Construction; Minimum required flood elevations, and certification from an O.L.S. are a condition of the permit; 	28/04/2016
			07/06/2016

11142	County of Lambton Churchill Line, City of Sarnia LaSalle Line, Township of St. Clair	<ul style="list-style-type: none"> • Replacement of Existing Culverts on woods Creek No. 2 and Marsh Creek; • Plans completed by RC Spencer Associates Inc.; 	26/05/2016
			28/06/2016
11143	City of Sarnia 430 Front Street North City of Sarnia	<ul style="list-style-type: none"> • Centennial Park Shoreline works; • Plans Completed by Golder Associates Ltd.; 	13/05/2016
			13/06/2016
11144	Union Gas Limited Lindsay Road, Danforth Drain Municipality of Chatham-Kent	<ul style="list-style-type: none"> • Replace Existing Gas Main; • Plans completed by Union Gas Limited; 	28/04/2016
			13/06/2016
11145	Union Gas Limited 4847 Marthaville Road Geo. Township of Enniskillen	<ul style="list-style-type: none"> • Install New NPS 2" Pipeline via HDD; • Plans completed by Union Gas Limited; 	18/05/2016
			13/06/2016
11146	Township of Dawn-Euphemia Lambton Line at Robinson Road Township of Dawn-Euphemia	<ul style="list-style-type: none"> • Rehabilitation of Bridge; • Plans completed by B.M. Ross and Associates Ltd.; 	27/05/2016
			21/06/2016
11147	Township of Dawn-Euphemia Florence Road Township of Dawn-Euphemia	<ul style="list-style-type: none"> • Rehabilitation of Bridge; • Plans completed by B.M. Ross and Associates Ltd.; 	27/05/2016
			21/06/2016
11149	RLSN Kerr Line Township of St. Clair	<ul style="list-style-type: none"> • Wetland Creation Project; • Plans completed by Rural Lambton Stewardship Network; 	20/06/2016
			28/06/2016
11150	Travis Bouma 3156 Douglas Street Township of Plympton-Wyoming	<ul style="list-style-type: none"> • Construct an Addition; • Plans completed by TBouma Design and Drafting; • Proposed works meet SCRCA Shoreline Policy; 	16/06/2016
			29/06/2016
11151	City of Sarnia Old Lakeshore Road City of Sarnia	<ul style="list-style-type: none"> • Replacement of Existing 150mm Diameter watermain; • Plans prepared by City of Sarnia; 	24/05/2016
			23/06/2016
11153	Douglas Lindsay 4813 St. Clair Parkway Township of St. Clair	<ul style="list-style-type: none"> • Construct a Sunroom; • Plans completed by Sunroom Design Centre; 	22/06/2016
			27/06/2016

11154	Union Gas Limited Bentpath Line Township of Dawn-Euphemia	<ul style="list-style-type: none"> Replacement of NPS 24" Natural Gas Pipeline; Plans prepared by Union Gas Limited; 	08/06/2016
			29/06/2016
11155	Valerie Valle 4306 St. Clair Parkway Township of St. Clair	<ul style="list-style-type: none"> Construct an Addition; Plans completed by Dave Polowick Design; 	06/06/2016
			30/06/2016
11156	Mike & Janet Scott 871 St. Clair Parkway Township of St. Clair	<ul style="list-style-type: none"> Minor Deck Addition and Reconstruction; Plans prepared by Bayview Designs; 	08/06/2016
			29/06/2016
11157	Jill Doherty 1672 Lakeshore Road City of Sarnia	<ul style="list-style-type: none"> Repairing of Existing Groyne; Plans prepared by Gordon's Shoreline Marine; 	15/06/2016
			29/06/2016

July 1, 2016 to July 31, 2016

Application No.	Applicant and Subject Property	<p align="center">Proposed Works</p> <p align="center"><i>Permissions may be granted where in the opinion of the CA, the control of Flooding, Erosion, Dynamic Beach, Pollution, or the Conservation of Land will not be affected by the development.</i></p>	Submission Complete:
			Permit Issued:
11152	Municipality of Middlesex Centre Twelve Mile Road Municipality of Middlesex Centre	<ul style="list-style-type: none"> Replacement of Existing Road Culvert; Plans prepared by Strik, Baldinelli, Moniz, Civil Structural Engineers; 	16/06/2016
			07/07/2016
11158	Fred Poehler 432 Running Creek Drive Municipality of Chatham-Kent	<ul style="list-style-type: none"> Construct a Single Family Dwelling; Minimum required flood elevations, and certification from an O.L.S. are a condition of the permit; 	22/06/2016
			07/07/2016
11159	Ken Drake 3574 Queen Street Township of Plypmton-wyoming	<ul style="list-style-type: none"> Construction of a Swimming Pool; Proposed works meet SCRCA Shoreline Policy setbacks for Erosion Hazard; 	27/05/2016
			28/06/2016
11160	John Strybosch 9667 Margaret Place Municipality of Lambton Shores	<ul style="list-style-type: none"> Construct a Single Family Dwelling; Proposed works meet SCRCA Shoreline Policy; 	05/07/2016
			07/07/2016

11161	Doug Tarry Ltd. 221 Second Street Municipality of Strathroy-Caradoc	<ul style="list-style-type: none"> • Construction of Amber Meadows Storm Drainage Outlets; • Plans completed by Cyril J. Demeyere Ltd.; 	05/07/2016
			07/07/2016
11162	Brett Harlton 11254 Ivan Drive Municipality of Middlesex Centre	<ul style="list-style-type: none"> • Construction of a Swimming Pool; • Works are outside the natural hazards associated with East Sydenham River; 	27/06/2016
			28/06/2016
11163	Jarrold Wilson 3307 Aberfeldy Line Township of Dawn-Euphemia	<ul style="list-style-type: none"> • Construct a New Foundation for Relocated Dwelling; • Minimum required flood elevations, and certification from an O.L.S. are a condition of the permit; 	11/07/2016
			14/07/2016
11164	Robin Fennell 292 Pinetree Lane Municipality of Strathroy-Caradoc	<ul style="list-style-type: none"> • Construct an addition to existing detached garage; • Works outside natural hazards associated with East Sydenham River and PSw; 	28/06/2016
			15/07/2016
11165	Union Gas Limited Dufferin Avenue Municipality of Chatham-Kent	<ul style="list-style-type: none"> • HDD of Gas Main crossing the Snye River; • Plans completed by Union Gas Limited; 	14/07/2016
			15/07/2016
11166	Travis Bouma 3352 Egremont Road Township of Plympton-Wyoming	<ul style="list-style-type: none"> • Construction of a Minor Addition; • Plans completed by TBouma Design and Drafting; • Proposed works meet SCRCA Shoreline Policy; 	24/06/2016
			21/07/2016
11167	Tim Phillips 3450 Egremont Road Township of Plympton-Wyoming	<ul style="list-style-type: none"> • Deck Replacement; • Works outside the natural hazard concerns associated with Errol Creek; 	08/07/2016
			25/07/2016
11169	Karen Carter 446 Greenfield Street Geo. Township of Enniskillen	<ul style="list-style-type: none"> • Construct Front Deck, Porch with Roof, and Steps; • Works outside the natural hazard concerns associated with a Bear Creek Tributary; 	11/07/2016
			21/07/2016
11170	City of Sarnia 100 Seaway Road City of Sarnia	<ul style="list-style-type: none"> • Routine Maintenance Dredging; • Plans completed by Pollutech Enviroquatics Limited; 	22/07/2016
			26/07/2016

August 1, 2016 to August 31, 2016

Application No.	Applicant and Subject Property	<p style="text-align: center;">Proposed Works</p> <p style="text-align: center;"><i>Permissions may be granted where in the opinion of the CA, the control of Flooding, Erosion, Dynamic Beach, Pollution, or the Conservation of Land will not be affected by the development.</i></p>	Submission Complete:
			Permit Issued:
11168	Travis Bouma 1113 Dawn Valley Road Township of Dawn-Euphemia	<ul style="list-style-type: none"> • Construction of an Addition; • Plans completed by TBouma Design and Drafting; • Minimum required flood elevations are met; 	10/08/2016
			16/08/2016
11171	Enbridge Pipelines Inc. 1010 Plank Road City of Sarnia	<ul style="list-style-type: none"> • Pipeline Excavation; • Plans completed by Enbridge Pipelines Inc.; 	28/07/2016
			05/08/2016
11172	Art Vanderwerff 411 Beresford Street Township of St. Clair	<ul style="list-style-type: none"> • Foundation Repair/Retrofit; • Plans completed by Golder Associates and Structural Engineered Drawings; 	15/07/2016
			08/08/2016
11173	Municipality of Middlesex Centre 10227 Ilderton Road Municipality of Middlesex Centre	<ul style="list-style-type: none"> • Construct a New Firehall; • Plans completed by G. Douglas Vallee Limited; 	12/07/2016
			09/08/2016
11174	Brian and Judy Pierce 7524 McGregor Line Municipality of Chatham-Kent	<ul style="list-style-type: none"> • Construction of a new single family dwelling; • Minimum required flood elevations, and certification from an O.L.S. are a condition of the permit; 	04/08/2016
			09/08/2016
11175	Township of Adelaide-Metcalf Scotchmere Drive Township of Adelaide Metcalfe	<ul style="list-style-type: none"> • Culvert Replacement; • Plans completed by Spriet Associates Limited; 	04/08/2016
			10/08/2016
11176	Township of St. Clair Oil Springs Line Township of St. Clair	<ul style="list-style-type: none"> • Culvert Extension and Replacement, Hand Drain; • Plans completed by R. Dobbin Engineering Inc.; 	10/08/2016
			11/08/2016
11177	Township of St. Clair LaSalle Line Township of St. Clair	<ul style="list-style-type: none"> • Replacement of Existing Road Culvert, Lapier Drain; • Plans completed by Burgess Engineering Inc.; 	10/08/2016
			11/08/2016

11178	Township of St. Clair St. Clair Parkway Township of St. Clair	<ul style="list-style-type: none"> • Culvert Endwall Repairs, Bowden Drain; • Plans completed by Burgess Engineering Inc.; 	10/08/2016
			11/08/2016
11179	Craig Minielly 6862 Creekside Drive Township of Plympton-wyoming	<ul style="list-style-type: none"> • Construction of an In-ground Swimming Pool; • Works outside the natural hazard concerns associated with Errol Creek; 	10/08/2016
			12/08/2016
11180	Crystal Baresich 961 Cairo Road Township of Dawn-Euphemia	<ul style="list-style-type: none"> • Construction of an Addition; • Minimum required flood elevations are met; 	27/07/2016
			15/08/2016
11181	Dave and Denise Reinhart 7357 Blue Point Bay Path Township of Plympton-wyoming	<ul style="list-style-type: none"> • Construction of an Addition; • Plans completed by Brandon Home Designs; • Proposed works meet SCRCA Shoreline Policy; 	15/08/2016
			18/08/2016
11182	Tony Reed 9 Arnold Street Municipality of Chatham-Kent	<ul style="list-style-type: none"> • Construction of Self Storage Units; • Minimum required flood elevations, and certification are a condition of the permit; 	29/07/2016
			26/08/2016
11183	Gauttamkumar Patel 4669 Oil Springs Line Township of Enniskillen	<ul style="list-style-type: none"> • Construction of Pool Deck; • Plans prepared by City of Sarnia; 	08/08/2016
			26/08/2016

Total No. of Application = 45

Average No. of Days for SCRCA to Issue Permit = 17 Days

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 this 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.

Recommended and Approved by:

Dallas Cundick, Environmental Planner/Regulations Officer

Melissa Deisley, Regulations Officer

Patty Hayman, Director of Planning

Staff Report

11. (vi)



To: Board of Directors
Date: August 31, 2016
From: Dallas Cundick, Environmental Planner/ Regulations Officer
Patty Hayman, Director of Planning
Subject: 3917 Tile Yard Road

Further to recent newspaper articles and email inquires from residents near the subject property, SCRCA staff provide this memo to inform the Board on the history of the site. SCRCA staff completed a site visit on August 16, 2016 and there has been no further works undertaken.

BD-11-199

Burrell - Marriott

“That the Board of Directors acknowledges the Regulations Report dated November 30, 2011, on 3917 Tile Yard Road and further that Option 2 be approved and implemented with an update to be provided at the next Executive Committee or Full Board meeting.”

CARRIED

Option 2 included treating works completed in July 2011 as a violation as written permission was not received and proceed accordingly. Issue notice of violation, as staff have determined that cut and fill operations may have occurred based on photographic evidence and that extensive regrading has occurred without permission and that a completed application (including retroactive fee) with landowner sign off on works that have occurred be documented in order to assist in future monitoring and implementation of the Regulation at this site. The application and description of works as acknowledged by the landowner be reviewed by the Authority Board for their approval.

BD-12-085

Burrell - Bilton

“That the Board of Directors acknowledges and concurs with the Regulations Committee Reports on “Development, Interference with Wetlands & Alterations to Shorelines & Watercourses” Regulations (Ontario Regulation 171/06), dated April 30, 2012 and May 31, 2012.”

CARRIED

Regulations Report outlined proposed Remedial actions at the site which included;

- Stabilizing all disturbed areas;
- Removing portions of fill from the subject property;
- Ensuring that a suitable setback from the top of bank of the watercourse is maintained for the works undertaken;
- Ensuring that floodwaters entering and exiting the subject location are not negatively affected by the works undertaken;

BD-12-121

Miller - MacKinnon

“That the Board of Directors acknowledges the correspondence from the Township of Enniskillen, dated September 10, 2012, regarding 3917 Tile Yard Road – FV #201201 as well as, the status report on remedial works concurred by the Board of Directors on June 21, 2012 and further that staff be directed to respond to the municipality that satisfaction has been obtained regarding the works with the exception of seeding and planting in the fall as remedial works completed to date do not have a negative impact on flooding and erosion.”

Recorded vote - 11 in favour, 7 against

CARRIED

Authority staff inspected remedial works and they are in compliance, the control of flooding and erosion was addressed to the satisfaction of staff of the SCRCA;

File was closed.

Comment: Poor planning decisions with respect to historic severances into hazard lands have resulted in hazard land fragmentation. Negative environmental impacts within valleys may not be a violation under the CA Regulation. In order for a CA Violation/Charge to have merit and go forward, the works must have a negative impact on flooding and erosion. Simply using trails in hazard lands, or removing vegetation does not constitute a violation. However, severances in hazard lands can be prohibited by the municipality to avoid these situations. We have provided the following information previously. See below.

Fragmentation of Hazard Lands – Discussion Paper

In our April 10, 2015 Board of Directors meeting the subject property was utilized in a presentation which outlined the concern the SCRCA has with fragmentation of hazard lands. Lot creation occurring for residential purposes in compact areas adjacent to riverine systems and the natural hazards stresses the slope and floodplain due to access and accessory uses etc. Ultimate owners of small lots have an expectation that they can develop and alter the entire lot. Conflicts can occur such as: Utility sheds and other types of secondary structures (i.e. pools, pool sheds, play houses, elaborate fencing/landscaping, grading, etc.).

The Provincial Policy Statement (PPS), in which municipal planning decisions must be consistent provides a policy basis for discouraging, if not prohibiting, fragmentation of floodplain lands. The PPS also provides a general policy direction that development, which can be interpreted to include lot creation, should avoid slope hazards.

Prepared By: Tracy Prince
August 18, 2016

ST CLAIR REGION CONSERVATION AUTHORITY
Statement of Revenue and Expenditure
For the Seven Months Ended 31/07/2016

	Actual To Date			Annual Budget		Variance from Budget	
	Revenue	Expenditures	Surplus(Deficit)	Revenue	Expenditures	Revenue	Expenditures
Flood Control & Erosion Control	\$676,971	\$316,874	\$360,096	\$671,732	\$671,732	\$5,239	(\$354,858)
Capital Projects/WECI	\$192,632	\$23,879	\$168,753	\$171,100	\$171,100	\$21,532	(\$147,221)
Conservation Area's Capital Development	\$139,435	\$89,739	\$49,695	\$104,000	\$104,000	\$35,435	(\$14,261)
IT Capital	\$11,284	\$2,616	\$8,668	\$19,200	\$19,200	(\$7,916)	(\$16,584)
Equipment	\$51,225	\$26,390	\$24,835	\$72,000	\$72,000	(\$20,775)	(\$45,610)
Planning & Regulations	\$277,341	\$255,109	\$22,232	\$448,410	\$448,410	(\$171,069)	(\$193,301)
Technical Studies	\$360,288	\$100,859	\$259,429	\$262,623	\$262,623	\$97,665	(\$161,764)
Recreation	\$1,114,781	\$595,827	\$518,954	\$1,163,620	\$1,163,620	(\$48,839)	(\$567,793)
Property Management	\$144,743	\$133,364	\$11,379	\$285,500	\$285,500	(\$140,757)	(\$152,136)
Education and Communication	\$97,926	\$109,321	(\$11,395)	\$211,265	\$211,265	(\$113,339)	(\$101,944)
Source Water Protection	\$113,611	\$100,416	\$13,194	\$175,000	\$175,000	(\$61,389)	(\$74,584)
Conservation Services/Healthy Watersheds	\$703,001	\$442,910	\$260,092	\$583,650	\$583,650	\$119,351	(\$140,740)
Administration/AOC Management	\$603,279	\$543,021	\$60,258	\$1,173,063	\$1,173,063	(\$569,784)	(\$630,042)
	\$4,486,515	\$2,740,325	\$1,746,190	\$5,341,163	\$5,341,163	(\$854,648)	(\$2,600,838)

Notes:

1. Municipal matching, non-matching, 3-D Special and Recreation levies totaling \$746,455 have been invoiced and are recorded in the actual revenue reported above. See General Levy Report for amounts outstanding.
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
Statement of Financial Position
AS AT July 31, 2016

	GL 2016	Audit 2015
Financial Assets		
Cash and cash equivalents	3,867,733.77	3,601,489.00
Investments (note	2,083,118.71	1,957,456.00
Accounts receivable	385,490.42	344,944.00
Prepaid Expenses	20,872.61	10,019.00
Long-term investments	42,277.00	42,277.00
	6,399,492.51	5,956,185.00
 Restricted Assets (Note)		
Forestry	11,742.19	11,742.00
Downsizing	-	
	11,742.19	11,742.00
Cash and cash equivalents	11,742.19	11,742.00
Accounts receivable - Stewardship Programs	-	
	11,742.19	11,742.00
 Total Financial Assets	 6,411,234.70	 5,967,927.00
 Financial Liabilities		
Accounts payable and accrued liabilities	119,228.50	162,575.00
Accounts payable and accrued liabilities - Stewardship Prog	-	(0.00)
Deferred revenue	1,872,065.56	1,385,411.00

Due to Stewardship Programs (Note & Statement)	-	-
Total Financial Liabilities	<u>1,991,294.06</u>	<u>1,547,986.00</u>
Net Financial Assets	<u>4,419,940.64</u>	<u>4,419,941.00</u>
Non-Financial Assets		
Tangible Capital Assets, net of accumulated amortization (Notes & Schedule)	19,212,696.42	19,212,695.00
Net Assets	<u>23,632,637.06</u>	<u>23,632,636.00</u>
Conservation Authority Position		
Reserves and reserve funds (Statement 2 & 3)	4,419,941.00	4,419,941.00
Net Tangible Capital Assets	19,212,696.42	19,212,695.00
Current Year Depreciation	-	
Total Conservation Authority Position	<u>23,632,637.42</u>	<u>23,632,636.00</u>

ST. CLAIR REGION CONSERVATION AUTHORITY
Statement of Operations
AS AT July 31, 2016

	2016 Budget	2016	2015 Audit
Revenue			
Government Grants			
Section 39	310,000.00	310,000.00	310,003.00
Other	397,224.00	378,536.34	1,437,769.00
Municipal levies			
General	701,455.00	701,454.00	701,455.00
Other	329,020.00	195,130.00	572,090.00
Other Revenue			
Contributions	492,350.00	223,351.29	493,971.00
Miscellaneous	2,415,892.00	1,651,036.25	916,883.00
Interest	35,000.00	13,113.39	70,261.00
Conservation areas (Excluding Municipal Levy)	999,200.00	1,013,893.66	1,112,454.00
Transfers from reserves	-		0.00
Gain(loss) on disposal of assets			
General	-		
Unrealized gain (loss) on held-for-trading investments	-	-	(8,215.00)
Realized gain (loss) on held for trading investments	-	-	-
	5,680,141.00	4,486,514.93	5,606,671.00
 Expenditures			
Administration, Schedule 1	600,160.00	432,977.22	529,656.00
Capital development, Schedule 1	550,958.00	147,557.58	1,402,232.00
Operating, Schedule 2	2,439,244.00	1,430,599.60	2,371,917.00
Property management, Schedule 2	255,500.00	133,363.89	242,949.00
Conservation area maintenance, Schedule 3	1,134,320.00	595,826.82	1,113,076.00
	4,980,182.00	2,740,325.11	5,659,830.00

Excess (deficiency) of revenues over expenditures before adjustments	1,746,189.82	(53,159.00)
Adjustments for Tangible Capital Assets		
Acquisition of tangible capital assets	-	213,075.00
Amortization of tangible capital assets	-	(554,161.00)
Gain/(loss) on sale of tangible capital assets	-	22,922.00
Proceeds on sale of tangible capital assets	-	(34,798.00)
	<u>-</u>	<u>(352,962.00)</u>
Excess (deficiency) of revenues over expenditures before adjustments	<u>-</u>	<u>(406,121.00)</u>

**ST. CLAIR REGION CONSERVATION AUTHORITY
DISBURSEMENTS FROM June to Aug 26 2016**

**12.(ii)
Sarah Kellestine**

CHQ. #	DATE	VENDOR	DESCRIPTION	AMOUNT
17939	6/1/2016	Oulds, Stephen	Payroll	\$ 273.74
17940	6/1/2016	4IMPRINT, INC.	Advertising - Tumblers	\$ 1,145.24
17941	6/1/2016	Avanti Insight Consulting	Consulting Fees - RAP	\$ 5,695.20
17942	6/1/2016	KEVAN BAKER	Expenses	\$ 51.15
17943	6/1/2016	BF ENVIRONMENTAL CONSULTANTS	McKeough Repairs	\$ 4,360.54
17944	6/1/2016	Bill Bouwma general Construction	WWK Broken Water Line	\$ 293.80
17945	6/1/2016	BlueWater Trailers	Trailer - Conservation Services	\$ 4,549.08
17946	6/1/2016	BUFFETT, TAYLOR & ASSOCIATES I	Group Benefits	\$ 11,377.90
17947	6/1/2016	Canadian Linen & Uniform	Mats	\$ 57.02
17948	6/1/2016	ERIN CARROLL	Expenses	\$ 63.20
17949	6/1/2016	De Vet's Delta Cooling	Walk In Cooler Clark Wright	\$ 401.15
17950	6/1/2016	DOWLER KARN PROPANE	Fuel	\$ 767.99
17951	6/1/2016	ENVIRON INTERNATIONAL CORP.	Consulting Fees - RAP	\$ 4,918.42
17952	6/1/2016	FOREST AGRI SERVICES LTD.	Herbicide	\$ 15,237.50
17953	6/1/2016	HILLEN NURSERY INC.	Trees	\$ 202.84
17954	6/1/2016	Hollandia Gardens Limited	Trees	\$ 16,672.02
17955	6/1/2016	Jim Brush	Worked Land at WWK - Tree Project	\$ 339.00
17956	6/1/2016	KELLY JOHNSON	Expenses	\$ 218.46
17957	6/1/2016	JOHNSTON BROS.(BOTHWELL) LTD.	Group Benefits	\$ 8,259.44
17958	6/1/2016	Sarah Kellestine - Petty Cash	Expenses	\$ 306.50
17959	6/1/2016	KENN'S PRINTING LTD.	Printing	\$ 300.35
17960	6/1/2016	KLEEFMAN CLEANING SERVICES	Office Cleaning	\$ 609.64
17961	6/1/2016	KYIS EMBROIDERY	Uniform	\$ 18.08
17962	6/1/2016	Maxim	Water Temp Logger	\$ 352.74
17963	6/1/2016	ONTARIO HOSE SPECIALTIES LIMIT	Vehicle Repairs	\$ 395.50
17964	6/1/2016	ONTARIO MINISTER OF FINANCE	Employer Health Tax	\$ 3,891.22
17965	6/1/2016	TIM PAYNE	Expenses	\$ 608.69
17966	6/1/2016	PETROLIA HOME HARDWARE	Supplies	\$ 274.35
17967	6/1/2016	PUROLATOR COURIER	Postage	\$ 48.88
17968	6/1/2016	GIRISH SANKAR	Expenses	\$ 137.50
17969	6/1/2016	SARNIA CONCRETE PRODUCTS LTD.	Supplies	\$ 581.95
17970	6/1/2016	Shred-it International ULC	Shredding	\$ 338.10
17971	6/1/2016	SIGNS AND DESIGNS	Signs	\$ 444.09

17972	6/1/2016 SOMERVILLE NURSERIES INC.	Trees	\$ 59,171.78
17973	6/1/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$ 172.70
17974	6/1/2016 TOWNSHIP OF ST. CLAIR	Utilities	\$ 59.02
17975	6/1/2016 Trimen Foodservice Equipment	Supplies	\$ 94.36
17976	6/1/2016 JESSICA VAN ZWOL	Expenses	\$ 136.95
17977	6/1/2016 WARWICK AUTO SERVICE	Repairs	\$ 261.58
17978	6/1/2016 WATFORD HOME HARDWARE BUILDING	Supplies	\$ 672.87
17979	6/1/2016 WINDOVER NURSERIES INC.	Trees	\$ 2,141.00
17980	6/1/2016 WOODWARDS SERVICE CENTRE	Repairs	\$ 234.76
17981	6/7/2016 MIKE TIZZARD	Expenses	\$ 947.57
17982	6/7/2016 Mike Tizzard - Petty Cash	Expenses	\$ 249.50
17983	6/10/2016 Greg Dunn and Associates	Phragmities	\$ 4,500.00
17984	6/13/2016 The Green Cafe	Meeting Expense	\$ 762.75
17985	6/16/2016 21 SHELL & VARIETY	Fuel	\$ 425.51
17986	6/16/2016 4IMPRINT, INC.	Tote Bag - Promotional	\$ 842.02
17987	6/16/2016 Avanti Insight Consulting	Consulting Fees - RAP	\$ 2,712.00
17988	6/16/2016 BURNARD CONSTRUCTION	Hold Back - AWC Workshop	\$ 3,164.00
17989	6/16/2016 Campbells Outdoor Power Equipm	Supplies	\$ 109.20
17990	6/16/2016 CANADIAN TODS LTD.	Tourism Directional Signs	\$ 172.89
17991	6/16/2016 CENTRAL SANITATION	Portable Toilets	\$ 531.10
17992	6/16/2016 CONSERVATION ONTARIO	Levy	\$ 13,968.50
17993	6/16/2016 DELAWARE PUMP & PARTS LIMITED	Supplies	\$ 113.87
17994	6/16/2016 DUN-RITE LANDSCAPING INC.	Lawn Care	\$ 4,565.20
17995	6/16/2016 CHRIS DURAND	Expenses	\$ 152.55
17996	6/16/2016 ENTERPRISE RENT-A-CAR CANADA L	Car Rentals - Conservation Services	\$ 1,160.51
17997	6/16/2016 FOREST AGRI SERVICES LTD.	Supplies	\$ 279.86
17998	6/16/2016 FOREST CITY BUSINESS EQUIPMENT	Photocopier	\$ 705.12
17999	6/16/2016 GRAND BEND DECORATING & FLOORI	Tiles	\$ 2,070.16
18000	6/16/2016 HEYLAND FARMS LTD./DOUG MCGEE	Supplies	\$ 163.85
18001	6/16/2016 HILLEN NURSERY INC.	Trees	\$ 3,269.37
18002	6/16/2016 Hollandia Gardens Limited	Trees	\$ 13,402.93
18003	6/16/2016 J & S LAWN CARE	Lawn Care	\$ 1,689.35
18004	6/16/2016 Sarah Kellestine	Expenses	\$ 56.28
18005	6/16/2016 Kern Water	Ice	\$ 676.25
18006	6/16/2016 LAMBTON KENT FARM IMPLEMENTS L	Supplies	\$ 74.58
18007	6/16/2016 Lambton Home Building Centre	Supplies	\$ 139.72
18008	6/16/2016 LARRY MACDONALD CHEV OLDS	Vehicle Repairs	\$ 681.04

18009	6/16/2016 LOBLAW COMPANIES LIMITED	Meeting Expense	\$	32.59
18010	6/16/2016 LONDON FIRE EQUIPMENT LTD.	Fire Extinguishers	\$	1,279.90
18011	6/16/2016 BRIAN MCDOUGALL	Expenses	\$	520.30
18012	6/16/2016 MIDDLESEX PRINTING CORPORATION	Printing	\$	252.94
18013	6/16/2016 Mt. Brydges Ford Sales Ltd.	Vehicle Repairs	\$	82.71
18014	6/16/2016 ONTARIO HOSE SPECIALTIES LIMIT	Vehicle Repairs	\$	644.59
18015	6/16/2016 PETROLIA HOME HARDWARE	Supplies	\$	176.32
18016	6/16/2016 PODOLINSKY FARM EQUIPMENT	Vehicle Repairs	\$	3,473.58
18017	6/16/2016 Profota's Farm Equipment Inc.	Vehicle Repairs	\$	433.90
18018	6/16/2016 PUROLATOR COURIER	Postage	\$	8.70
18019	6/16/2016 Ron Relouw	Tile Installation	\$	1,808.00
18020	6/16/2016 RIVERVIEW	Vehicle Repairs	\$	90.35
18021	6/16/2016 Ruby Farms - 668810 Ontario Limited	Stone	\$	180.80
18022	6/16/2016 ALISON SEIDLER	Expenses	\$	316.40
18023	6/16/2016 JEFF SHARP	Expenses	\$	596.64
18024	6/16/2016 Shannon Vending Limited	Meeting Expense	\$	109.90
18025	6/16/2016 SLOAN'S NURSERY & CHRISTMAS TR	Trees	\$	765.58
18026	6/16/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$	446.53
18027	6/16/2016 STRATHROY SPORTS EXCELLENCE	Uniform	\$	202.72
18028	6/16/2016 SUN MEDIA CORPORATION	Advertising	\$	231.20
18029	6/16/2016 Sun Media Corporation	Advertising	\$	231.20
18030	6/16/2016 SUPERIOR COMPUTER SALES INC.	Supplies	\$	196.62
18031	6/16/2016 THREE MAPLES VARIETY	Fuel	\$	547.42
18032	6/16/2016 TOWN OF PLYMPTON-WYOMING	Utilities	\$	121.38
18033	6/16/2016 ULTRAGUARD SECURITY SYSTEMS	Security System	\$	809.08
18034	6/16/2016 VAN TUYL & FAIRBANK	Supplies	\$	329.68
18035	6/16/2016 WARWICK GAS & VARIETY	Fuel	\$	1,055.37
18036	6/16/2016 WASTE MANAGEMENT OF CANADA COR	Garbage Collection	\$	2,078.33
18037	6/16/2016 WATFORD HOME HARDWARE BUILDING	Supplies	\$	266.32
18038	6/17/2016 ROBERT G. WATERS	Legal Fees	\$	10,026.47
18039	7/5/2016 Aamjiwnaang First Nation Envir	Catering	\$	750.00
18040	7/5/2016 ALS CANADA LIMITED	Water Samples	\$	606.81
18041	7/5/2016 AQUA POOLS,PATIOS & SPAS	Supplies	\$	399.92
18042	7/5/2016 Badder Bus Operations Limited - Wabash	Bus Tour	\$	1,017.00
18043	7/5/2016 RICK BATTSON	Expenses	\$	291.83
18044	7/5/2016 BF ENVIRONMENTAL CONSULTANTS	Peers Wetland	\$	847.50
18045	7/5/2016 BlueWater Trailers	Vehicle Repairs	\$	145.26

18046	7/5/2016 Brook Telecom	Internet Installation WWK	\$	13,517.18
18047	7/5/2016 BUFFETT, TAYLOR & ASSOCIATES I	Group Benefits	\$	11,434.15
18048	7/5/2016 Campbells Outdoor Power Equipm	Supplies	\$	45.14
18049	7/5/2016 Canadian Linen & Uniform	Mats	\$	57.02
18050	7/5/2016 CANADIAN TODS LTD.	Signs	\$	1,023.78
18051	7/5/2016 CAS KWARCIAK ELECTRIC	Repairs	\$	498.61
18052	7/5/2016 C.B.D. CLUB INC.	Hall Rental	\$	400.00
18053	7/5/2016 CENTRAL SANITATION	Portable Toilets	\$	1,146.95
18054	7/5/2016 COINAMATIC	Laundry	\$	59.84
18055	7/5/2016 COJAN GREENHOUSES	Trees	\$	556.57
18056	7/5/2016 DELAWARE PUMP & PARTS LIMITED	Supplies	\$	83.02
18057	7/5/2016 DELTA POWER EQUIPMENT	Supplies	\$	125.00
18058	7/5/2016 DOWLER KARN PROPANE	Fuel	\$	352.09
18059	7/5/2016 DUN-RITE LANDSCAPING INC.	Lawn Care	\$	4,525.65
18060	7/5/2016 ENVIRON INTERNATIONAL CORP.	Consulting Fees - RAP	\$	8,684.89
18061	7/5/2016 FOREST AGRI SERVICES LTD.	Supplies	\$	124.98
18062	7/5/2016 FOREST CITY BUSINESS EQUIPMENT	Photocopier	\$	2,151.09
18063	7/5/2016 Friends of Henderson	Fire Works Donation	\$	1,200.00
18064	7/5/2016 Golder Associates	Consulting Fee - Water Resource	\$	658.23
18065	7/5/2016 INDUSTRIAL ALLIANCE INS.& FIN.SERVICES INC.	Insurance	\$	262.44
18066	7/5/2016 JOHNSTON BROS.(BOTHWELL) LTD.	Gravel	\$	460.08
18067	7/5/2016 Kember Topsoil	Topsoil	\$	727.44
18068	7/5/2016 KERNOHAN RENTAL	Supplies	\$	162.40
18069	7/5/2016 KLEEFMAN CLEANING SERVICES	Office Cleaning	\$	824.34
18070	7/5/2016 K T Excavating	Excavating	\$	339.00
18071	7/5/2016 KYIS EMBROIDERY	Uniform	\$	18.08
18072	7/5/2016 Lambton Home Building Centre	Supplies	\$	163.13
18073	7/5/2016 LANDSTRA CATERING	Catering	\$	350.56
18074	7/5/2016 L.A. POOL & SPA	Supplies	\$	186.42
18075	7/5/2016 LARRY MACDONALD CHEV OLDS	Vehicle Repairs	\$	1,119.66
18076	7/5/2016 Leyten, Niel	Return of Partial Seasonal Fee	\$	816.50
18077	7/5/2016 LOBLAW COMPANIES LIMITED	Meeting Expense	\$	182.40
18078	7/5/2016 Heather Long	Expenses	\$	98.56
18079	7/5/2016 Marshall's/Marbolt Tru Country and Garden	Supplies	\$	60.61
18080	7/5/2016 Milner, Greg	Expenses	\$	96.04
18081	7/5/2016 MUNICIPAL WORLD INC.	Subscription	\$	480.25
18082	7/5/2016 ONTARIO MINISTER OF FINANCE	Employer Health Tax	\$	6,277.31

18083	7/5/2016 Parkside Restaurant	Meeting Expense	\$ 180.00
18084	7/5/2016 PETROLIA HOME HARDWARE	Supplies	\$ 644.80
18085	7/5/2016 PODOLINSKY FARM EQUIPMENT	Supplies	\$ 3,606.68
18086	7/5/2016 Pollard Highway Products Ltd.	Road Maintenance	\$ 2,007.58
18087	7/5/2016 POLYJOHN CANDA	Maintenance	\$ 104.29
18088	7/5/2016 TRACY PRINCE	Expenses	\$ 443.70
18089	7/5/2016 PUROLATOR COURIER	Postage	\$ 73.95
18090	7/5/2016 RIVERVIEW	Vehicle Repairs	\$ 118.65
18091	7/5/2016 Schooley Mitchell Telecom Consultants	Savings	\$ 4,308.44
18092	7/5/2016 SIGNS AND DESIGNS	Signs	\$ 570.65
18093	7/5/2016 Stonetown Promotions	Advertising	\$ 460.99
18094	7/5/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$ 428.52
18095	7/5/2016 STRATHROY TURF FARMS	Supplies	\$ 395.50
18096	7/5/2016 SUN MEDIA CORPORATION	Advertising	\$ 693.60
18097	7/5/2016 SUPERIOR COMPUTER SALES INC.	Supplies	\$ 1,464.48
18098	7/5/2016 SWISH MAINTENANCE LIMITED	Supplies	\$ 312.39
18099	7/5/2016 THREE MAPLES VARIETY	Fuel	\$ 598.19
18100	7/5/2016 MIKE TIZZARD	Expenses	\$ 124.29
18101	7/5/2016 Mike Tizzard - Petty Cash	Expenses	\$ 198.06
18102	7/5/2016 ROGER TOURIGNY	Supplies for Renovation	\$ 605.12
18103	7/5/2016 TOWNSHIP OF ENNISKILLEN	Utilities	\$ 533.00
18104	7/5/2016 TOWNSHIP OF DAWN-EUPHEMIA	Utilities	\$ 21.00
18105	7/5/2016 WATFORD HOME HARDWARE BUILDING	Supplies	\$ 1,152.63
18106	7/5/2016 WINDOVER NURSERIES INC.	Trees	\$ 188.65
18107	7/6/2016 Heather Long	Expenses	\$ 499.40
18108	7/6/2016 Lassaline, Ella	Health and Safety	\$ 78.91
18109	7/13/2016 Lassaline, Ella	Payroll	\$ 752.86
18110	7/13/2016 VanderWal, Tasha	Payroll	\$ 883.60
18111	7/13/2016 Wright, Tyler	Payroll	\$ 720.77
18112	7/13/2016 Jeffery, Dana	Payroll	\$ 864.00
18113	7/13/2016 Gagnon, Madison	Payroll	\$ 464.50
18114	7/19/2016 21 SHELL & VARIETY	Fuel	\$ 419.15
18115	7/19/2016 STEVE ARNOLD	Payroll	\$ 2,531.75
18116	7/19/2016 TERRY BARRIE	Health and Safety	\$ 125.00
18117	7/19/2016 Barrie, Terry - Petty Cash	Expenses	\$ 232.41
18118	7/19/2016 BATTLEFIELD EQUIPMENT RENTALS	Supplies	\$ 338.32
18119	7/19/2016 BUESINK WELDING & REPAIR INC.	Repairs	\$ 97.18

18120	7/19/2016 Canadian Linen & Uniform	Mats	\$	57.02
18121	7/19/2016 CAS KWARCIAK ELECTRIC	Repairs	\$	166.82
18122	7/19/2016 CENTRAL SANITATION	Portable Toilets	\$	531.10
18123	7/19/2016 CHIPPEWAS OF SARNIA	Sponsorship	\$	500.00
18124	7/19/2016 STEPHEN CLARK	Expenses	\$	633.75
18125	7/19/2016 COINAMATIC	Laundry	\$	59.84
18126	7/19/2016 DOWLER KARN PROPANE	Fuel	\$	440.20
18127	7/19/2016 ENTERPRISE RENT-A-CAR CANADA L	Car Rentals - Conservation Services	\$	1,160.51
18128	7/19/2016 FOREST AGRI SERVICES LTD.	Supplies	\$	830.82
18129	7/19/2016 FOREST CITY BUSINESS EQUIPMENT	Photocopier	\$	372.90
18130	7/19/2016 GARY FALCONER TRANSPORT LIMITE	Gravel	\$	565.00
18131	7/19/2016 Greg Dunn and Associates	Phragmites	\$	5,160.00
18132	7/19/2016 HEYLAND FARMS LTD./DOUG MCGEE	Supplies	\$	3,237.45
18133	7/19/2016 H.R. DESA ENTERPRISES LTD.	Worms	\$	169.50
18134	7/19/2016 KELLY JOHNSON	Expenses	\$	110.00
18135	7/19/2016 J & S LAWN CARE	Lawn Care	\$	1,531.15
18136	7/19/2016 Sarah Kellestine - Petty Cash	Expenses	\$	269.15
18137	7/19/2016 Kember Topsoil	Topsoil	\$	655.40
18138	7/19/2016 Kern Water	Ice	\$	618.75
18139	7/19/2016 K & H DISTRIBUTING	Fireworks	\$	4,733.56
18140	7/19/2016 KLEEFMAN CLEANING SERVICES	Office Cleaning	\$	427.71
18141	7/19/2016 LARRY MACDONALD CHEV OLDS	Vehicle Repairs	\$	103.84
18142	7/19/2016 Marshall's/Marbolt Tru Country and Garden	Supplies	\$	44.38
18143	7/19/2016 SHARON NETHERCOTT	Expenses	\$	509.45
18144	7/19/2016 PODOLINSKY FARM EQUIPMENT	Supplies	\$	98.73
18145	7/19/2016 PRINCESS AUTO	Supplies	\$	195.47
18146	7/19/2016 PUROLATOR COURIER	Postage	\$	4.59
18147	7/19/2016 Russ Sears Overhead Door Ltd	Repairs	\$	164.98
18148	7/19/2016 GIRISH SANKAR	Expenses	\$	220.00
18149	7/19/2016 Schooley Mitchell Telecom Consultants	Savings	\$	4,205.31
18150	7/19/2016 Shannon Vending Limited	Meeting Expense	\$	54.95
18151	7/19/2016 SHOREPLAN ENGINEERING LTD.	Consulting Fee - Water Resource	\$	3,067.27
18152	7/19/2016 SPEEDY GLASS (STRATHROY)	Vehicle Repairs	\$	56.50
18153	7/19/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$	107.90
18154	7/19/2016 TOWNSHIP OF WARWICK	Utilities	\$	2,195.36
18155	7/19/2016 SHERRY TURNER	Health and Safety	\$	125.00
18156	7/19/2016 VAN TUYL & FAIRBANK	Supplies	\$	467.87

18157	7/19/2016 Vidler, Nancy	Phragmities	\$	773.02
18158	7/19/2016 WARWICK AUTO SERVICE	Vehicle Repairs	\$	84.24
18159	7/19/2016 WARWICK GAS & VARIETY	Fuel	\$	379.38
18160	7/19/2016 WASTE MANAGEMENT OF CANADA COR	Garbage Collection	\$	2,904.10
18161	7/19/2016 WATSON TIM-BR MART	Supplies	\$	172.39
18162	7/19/2016 AI Webster Farm Supply Limited	Supplies	\$	32.71
18163	7/19/2016 WILCOX TIRE	Supplies	\$	365.10
18164	7/27/2016 O'Brien, Meghan	Payroll	\$	257.38
18165	8/2/2016 AQUA POOLS,PATIOS & SPAS	Supplies	\$	603.25
18166	8/2/2016 KEVAN BAKER	Expenses	\$	57.63
18167	8/2/2016 BF ENVIRONMENTAL CONSULTANTS	Grant Funding - Dave Rempel	\$	18,125.00
18168	8/2/2016 BUFFETT, TAYLOR & ASSOCIATES I	Group Benefits	\$	11,388.67
18169	8/2/2016 CENTRAL SANITATION	Portable Toilets	\$	437.88
18170	8/2/2016 David Desrosiers	Fence Repair	\$	250.00
18171	8/2/2016 DOWLER KARN PROPANE	Fuel	\$	229.38
18172	8/2/2016 ENVIRON INTERNATIONAL CORP.	Consulting - Rap	\$	6,306.64
18173	8/2/2016 Forest Agricultural Society	Booth Fee	\$	150.00
18174	8/2/2016 KENN'S PRINTING LTD.	Printing	\$	402.39
18175	8/2/2016 LOBLAW COMPANIES LIMITED	Meeting Expense	\$	12.48
18176	8/2/2016 BRIAN MCDOUGALL	Expenses	\$	511.50
18177	8/2/2016 Middlesex Soil & Crop Improvem	Sponsorship	\$	125.00
18178	8/2/2016 Mt. Brydges Ford Sales Ltd.	Vehicle Repairs	\$	45.15
18179	8/2/2016 Laskey's Services 719329 ONTARIO LIMITED	Repairs	\$	185.17
18180	8/2/2016 ONTARIO FARMER	Subscription	\$	65.00
18181	8/2/2016 TIM PAYNE	Expenses	\$	138.60
18182	8/2/2016 PETROLIA HOME HARDWARE	Supplies	\$	189.76
18183	8/2/2016 PUROLATOR COURIER	Postage	\$	7.75
18184	8/2/2016 RIVERVIEW	Vehicle Repairs	\$	2,389.06
18185	8/2/2016 JEFF SHARP	Expenses	\$	353.33
18186	8/2/2016 DONNA STRANG	Expenses	\$	468.75
18187	8/2/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$	552.76
18188	8/2/2016 STRATHROY TIRE SALES & SERVICE	Vehicle Repairs	\$	25.00
18189	8/2/2016 SUPERIOR COMPUTER SALES INC.	Supplies	\$	422.62
18190	8/2/2016 VILLAGE OF POINT EDWARD	Park - Waterfront maintenance	\$	1,500.00
18191	8/2/2016 WARWICK GAS & VARIETY	Fuel	\$	363.99
18192	8/2/2016 WASTE MANAGEMENT OF CANADA COR	Garbage Collection	\$	2,445.11
18193	8/2/2016 WATFORD HOME HARDWARE BUILDING	Supplies	\$	184.83

18194	8/2/2016 ONTARIO MINISTER OF FINANCE	Employer Health Tax	\$	4,412.18
18195	8/4/2016 Greg Dunn and Associates	Phragmities	\$	960.00
18196	8/10/2016 O'Brien, Meghan	Payroll	\$	191.99
18197	8/16/2016 21 SHELL & VARIETY	Fuel	\$	269.64
18198	8/16/2016 GLENN BAXTER	Health and Safety	\$	125.00
18199	8/16/2016 MUNICIPALITY OF BROOKE-ALVINST	Hall Rental Deposit	\$	225.00
18200	8/16/2016 Campbells Outdoor Power Equipm	Supplies	\$	36.02
18201	8/16/2016 Canadian Linen & Uniform	Mats	\$	57.02
18202	8/16/2016 Canadian Herptological Society	Course Fees	\$	540.00
18203	8/16/2016 CAS KWARCIAK ELECTRIC	Repairs	\$	623.07
18204	8/16/2016 CENTRAL SANITATION	Portable Toilets	\$	1,141.30
18205	8/16/2016 COINAMATIC	Laundry	\$	60.81
18206	8/16/2016 CP INDUSTRIES LTD.	Deodorizer	\$	2,086.99
18207	8/16/2016 John Duff Ltd	Stop Logs	\$	5,514.40
18208	8/16/2016 DUN-RITE LANDSCAPING INC.	Lawn Care	\$	2,209.15
18209	8/16/2016 EDDY'S MILLS MACHINE SHOP	Supplies	\$	7.57
18210	8/16/2016 FOREST AGRI SERVICES LTD.	Supplies	\$	721.39
18211	8/16/2016 GERBER ELECTRIC	Repairs	\$	275.31
18212	8/16/2016 Guaranteed Eavestroughing	Repairs	\$	1,898.40
18213	8/16/2016 ERNIE HERRINGTON	Maintenance	\$	271.20
18214	8/16/2016 H.R. DESA ENTERPRISES LTD.	Worms	\$	169.50
18215	8/16/2016 JIM WHITE'S TRAILER SALES INC.	Repairs	\$	140.12
18216	8/16/2016 KELLY JOHNSON	Expenses	\$	105.00
18217	8/16/2016 J & S LAWN CARE	Lawn Care	\$	158.20
18218	8/16/2016 Sarah Kellestine	Uniform	\$	29.66
18219	8/16/2016 KENN'S PRINTING LTD.	Printing	\$	593.28
18220	8/16/2016 Kern Water	Ice	\$	1,217.50
18221	8/16/2016 LAKESIDE GRAIN & FEED LTD.	Supplies	\$	3,096.94
18222	8/16/2016 LAMBTON KENT FARM IMPLEMENTS L	Supplies	\$	93.79
18223	8/16/2016 Lambton Home Building Centre	Supplies	\$	35.17
18224	8/16/2016 LARRY MACDONALD CHEV OLDS	Vehicle Repairs	\$	47.40
18225	8/16/2016 NEBS BUSINESS PRODUCTS LTD.	Printing	\$	351.83
18226	8/16/2016 Oxford Soil & Crop Improvement Assoc. (OMAFRA)	Registration Fee	\$	60.00
18227	8/16/2016 PETROLIA HOME HARDWARE	Supplies	\$	90.31
18228	8/16/2016 P J SEEDS	Trees	\$	4,394.57
18229	8/16/2016 PUROLATOR COURIER	Postage	\$	21.49
18230	8/16/2016 SAGE ACCPAC CANADA INC.	Software Support	\$	3,059.48

18231	8/16/2016 Shannon Vending Limited	Meeting Expense	\$	109.90
18232	8/16/2016 ST. CLAIR REGION SOIL & CROP I	Advertising	\$	100.00
18233	8/16/2016 Stewart, Steve	Self Defense - Team Building	\$	500.00
18234	8/16/2016 STRATHROY HOME HARDWARE BUILDI	Supplies	\$	175.55
18235	8/16/2016 MIKE TIZZARD	Expenses	\$	165.38
18236	8/16/2016 Mike Tizzard - Petty Cash	Expenses	\$	203.27
18237	8/16/2016 TOWN OF PLYMPTON-WYOMING	Utilities	\$	138.74
18238	8/16/2016 TOWNSHIP OF ST. CLAIR	Utilities	\$	190.60
18239	8/16/2016 WARWICK GAS & VARIETY	Fuel	\$	212.01
18240	8/16/2016 WATFORD HOME HARDWARE BUILDING	Supplies	\$	37.22
18241	8/16/2016 WATSON TIM-BR MART	Supplies	\$	267.20
18242	8/16/2016 ENTERPRISE RENT-A-CAR CANADA L	Car Rentals - Conservation Services	\$	2,348.14
18243	8/16/2016 Gilbert, Janice	Phragmities	\$	452.00
18244	8/16/2016 Greg Dunn and Associates	Phragmities	\$	2,365.60
18245	8/16/2016 Jarrett Dare	Vehicle Repairs	\$	84.75
18246	8/16/2016 TOWNSHIP OF DAWN-EUPHEMIA	Utilities	\$	133.75
18247	8/16/2016 J & S LAWN CARE	Lawn Care	\$	892.70
18248	8/18/2016 Storey, Sara	Payroll	\$	91.84
18249	8/25/2016 Sarah Kellestine - Petty Cash	Expenses	\$	300.55

TOTAL CHEQUE DISBURSEMENTS - BANK #1 -

\$ 452,425.37

INTERNET BANKING June to aug 26 2016

TRANS #	DATE	VENDOR	DESCRIPTION	AMOUNT
8429	6/30/2016	BELL CANADA	Telephone	\$ 21.13
8430	6/30/2016	BELL CANADA	Telephone	\$ 417.60
8431	6/30/2016	BROOKE TELECOM CO-OP	Telephone	\$ 1,637.87
8432	6/30/2016	City of Sarnia - Property Tax	Property Tax	\$ 111.04
8433	6/30/2016	ENTEGRUS SERVICES INC. (CHATHA	Utilities	\$ 1,003.74
8434	6/30/2016	Execulink Telecom	Internet	\$ 867.20
8435	6/30/2016	FCDQ (DESJARDINS)	Office Supplies	\$ 930.89
8437	6/30/2016	HYDRO ONE Networks Inc.	Hydro	\$ 24,142.35
8438	6/30/2016	MASTERCARD	Expenses	\$ 10,383.74
8440	6/30/2016	Municipality of Chatham-Kent - Property Taxes	Property Tax	\$ 7,672.09
8441	6/30/2016	PETRO CANADA INC.	Fuel	\$ 3,998.34

8442	6/30/2016 RECEIVER GENERAL	Source Deductions	\$ 62,024.50
8443	6/30/2016 Rogers Cable Communications Inc	Internet	\$ 190.91
8444	6/30/2016 ROGERS WIRELESS	Telephone	\$ 1,141.68
8447	6/30/2016 Township of St. Clair - Property Taxes	Property Tax	\$ 14,387.42
8448	6/30/2016 TSC Stores	Supplies	\$ 637.88
8449	6/30/2016 UNION GAS LIMITED	Utilities	\$ 133.61
8450	6/30/2016 WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 9,271.15
8451	6/30/2016 BELL MOBILITY CELLULAR	Telephone	\$ 67.80
8452	7/31/2016 BELL CANADA	Telephone	\$ 18.08
8453	7/31/2016 BELL CANADA	Telephone	\$ 417.60
8454	7/31/2016 BELL MOBILITY CELLULAR	Telephone	\$ 67.80
8455	7/31/2016 BLUEWATER POWER	Utilities	\$ 148.95
8456	7/31/2016 BROOKE TELECOM CO-OP	Telephone	\$ 931.37
8457	7/31/2016 Canada Revenue Agency - HST	HST	\$ 61,642.75
8458	7/31/2016 ENTEGRUS SERVICES INC. (CHATHA	Utilities	\$ 1,120.49
8459	7/31/2016 Execulink Telecom	Internet	\$ 865.31
8460	7/31/2016 FCDQ (DESJARDINS)	Office Supplies	\$ 548.77
8462	7/31/2016 HYDRO ONE Networks Inc.	Hydro	\$ 35,419.27
8463	7/31/2016 MASTERCARD	Expenses	\$ 3,554.12
8464	7/31/2016 OMERS	Pension	\$ 48,685.32
8465	7/31/2016 PETRO CANADA INC.	Fuel	\$ 3,882.12
8466	7/31/2016 RECEIVER GENERAL	Source Deductions	\$ 62,564.00
8467	7/31/2016 Rogers Cable Communications Inc	Internet	\$ 190.91
8468	7/31/2016 ROGERS WIRELESS	Telephone	\$ 750.75
8469	7/31/2016 TSC Stores	Supplies	\$ 73.34
8470	7/31/2016 UNION GAS LIMITED	Utilities	\$ 83.66
8471	7/31/2016 WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 6,605.01
8472	8/26/2016 BELL CANADA	Telephone	\$ 14.52
8473	8/26/2016 BELL CANADA	Telephone	\$ 417.60
8474	8/26/2016 BELL MOBILITY CELLULAR	Telephone	\$ 68.49
8475	8/26/2016 BROOKE TELECOM CO-OP	Telephone	\$ 921.69
8476	8/26/2016 Corporations of the town of Petrolia - Property Taxes	Property Tax	\$ 213.68
8477	8/26/2016 ENTEGRUS SERVICES INC. (CHATHA	Utilities	\$ 1,059.10
8478	8/26/2016 Execulink Telecom	Internet	\$ 868.07
8479	8/26/2016 FCDQ (DESJARDINS)	Office Supplies	\$ 295.09
8481	8/26/2016 HYDRO ONE Networks Inc.	Hydro	\$ 45,425.99
8482	8/26/2016 MASTERCARD	Expenses	\$ 2,501.21

8483	8/26/2016 Municipality of Lambton Shores - Property Taxes	Property Tax	\$ 442.91
8484	8/26/2016 Municipality of Southwest Middlesex - Property Tax	Property Tax	\$ 1,423.12
8485	8/26/2016 Municipality of Brooke Alvinston - Property Taxes	Property Tax	\$ 1,108.47
8486	8/26/2016 Municipality of Middlesex Centre - Property Tax	Property Tax	\$ 408.03
8487	8/26/2016 Municipality of Strathroy Caradoc - Property Tax	Property Tax	\$ 935.20
8488	8/26/2016 OMERS	Pension	\$ 32,794.98
8489	8/26/2016 PETRO CANADA INC.	Fuel	\$ 3,826.24
8490	8/26/2016 RECEIVER GENERAL	Source Deductions	\$ 92,260.77
8491	8/26/2016 Rogers Cable Communications Inc	Telephone	\$ 190.91
8492	8/26/2016 ROGERS WIRELESS	Telephone	\$ 546.21
8493	8/26/2016 Township of Warwick - Property Taxes	Property Tax	\$ 949.52
8494	8/26/2016 UNION GAS LIMITED	Utilities	\$ 28.56
8495	8/26/2016 WORKPLACE SAFETY & INS. BOARD	WSIB	\$ 6,373.35

TOTAL INTERNET DISBURSEMENTS - BANK NO. 1 -

\$ 559,684.27

PAYROLL RUNS

PAYROLL NO. 11	\$	76,052.79
PAYROLL NO. 12	\$	72,833.89
PAYROLL NO. 13	\$	74,392.53
PAYROLL NO. 14	\$	85,907.32
PAYROLL NO. 15	\$	76,975.89
PAYROLL NO. 16	\$	77,394.72
PAYROLL NO. 17	\$	76,364.05

TOTAL PAYROLL RUNS -

\$ 539,921.19

TOTAL DISBURSEMENTS -

\$ 1,552,030.83

2016 GENERAL LEVY SUMMARY

GLYSUM2015
Sarah Kellestine
26-Aug-16

MUNICIPALITY	GROSS LEVY	PAID TO DATE	OUTSTANDING
Sarnia	\$ 277,949.00	\$ 208,461.75	\$ 69,487.25
Chatham-Kent	93,498.00		93,498.00
Brooke-Alvinston Twp.	11,145.00	11,145.00	0.00
Dawn Euphemia Twp.	17,020.00	8,510.00	8,510.00
Enniskillen Twp.	12,057.00		12,057.00
Lambton Shores M.	34,406.00	34,406.00	0.00
Oil Springs V	1,390.00	1,390.00	0.00
Petrolia T	17,032.00	17,032.00	0.00
Plympton-Wyoming T	35,855.00		35,855.00
Point Edward V	16,834.00	16,834.00	0.00
St. Clair Twp.	76,581.00	76,581.00	0.00
Warwick Twp.	14,176.00	14,176.00	0.00
Adelaide Metcalfe Twp.	11,938.00	5,969.00	5,969.00
Middlesex Centre Twp.	14,757.00	14,757.00	0.00
Newbury V	1,070.00	1,070.00	0.00
Southwest Middlesex M.	7,957.00	7,957.00	0.00
Strathroy-Caradoc M.	57,791.00	43,343.25	14,447.75
TOTAL	\$ 701,456.00	\$ 461,632.00	\$ 239,824.00

Staff Report

12.(iv)



To: Board of Directors
Date: August 25, 2016
From: Brian McDougall, General Manager
Tracy Prince, Director of Finance
Subject: 2017 Draft Budget

We have compiled the draft 2017 budget numbers and have determined that an increase of \$77,500 to \$778,855 in the general levy will be required, along with increases in fees. The total general levy as a percentage of total budget, will result in an increased revenue from levy from 13.5% to 15.2%. This still remains short of a sustainable revenue source target of 20% of the total Authority budget, as well as any structural capital allocation, to reduce the draw on reserves and maintain operations. The increase 11.2% over the 2016 levy includes financial support of the Board approved compensation plan salary grid adjustment, an estimated cost of structural improvements at Highland Glen and an increase in fees to reduce the impact on general levy.

An estimation on the effect of the increase of the levy per municipality, based on last year's CVA budget numbers would be:

	CVA in Watershed 2015	Total Levy 778,855	2017 Levy Increase 77,500
Municipality			
Township of Adelaide Metcalfe	1.668821767	\$ 12,998	\$ 1,293
Township Brooke-Alvinston	1.587897155	\$ 12,367	\$ 1,231
Municipality Chatham-Kent	13.29643223	\$ 103,560	\$ 10,305
Township Dawn-Euphemia	2.449789022	\$ 19,080	\$ 1,899
Township Enniskillen	1.730341203	\$ 13,477	\$ 1,341
Municipality Lambton Shores	4.904563934	\$ 38,199	\$ 3,801
Municipality Middlesex Centre	2.076261699	\$ 16,171	\$ 1,609
Village Newbury	0.151999114	\$ 1,184	\$ 118
Village Oil Springs	0.19884673	\$ 1,549	\$ 154
Town Petrolia	2.438279402	\$ 18,991	\$ 1,890
Town Plympton-Wyoming	5.071761745	\$ 39,502	\$ 3,931
Village Point Edward	2.397849597	\$ 18,676	\$ 1,858
City Sarnia	39.76055484	\$ 309,677	\$ 30,814
Municipality Southwest Middlesex	1.123652966	\$ 8,752	\$ 871
Township St. Clair	10.93910938	\$ 85,200	\$ 8,478
Township Strathroy - Caradoc	8.188040189	\$ 63,773	\$ 6,346
Township Warwick	2.015799029	\$ 15,700	\$ 1,562

Effectively this would be the impact on your municipal budgets based on 2015 CVA allocations and your 2015 total budget.

	SCRCA Total Budget 2017 Levy % of 2015 total Municipal Budget	SCRCA Total Budget 2017 Levy % of 2015 Municipal Tax Revenue	2017 SCRCA Levy Increase as a % of Municipal Tax Revenue
Municipality			
Township of Adelaide Metcalfe	0.21%	0.42%	0.04%
Township Brooke-Alvinston	0.32%	0.58%	0.06%
Municipality Chatham-Kent	0.03%	0.07%	0.01%
Township Dawn-Euphemia	0.39%	0.76%	0.08%
Township Enniskillen	0.34%	0.93%	0.09%
Municipality Lambton Shores	0.17%	0.35%	0.03%
Municipality Middlesex Centre	0.04%	0.12%	0.01%
Village Newbury	0.16%	0.44%	0.04%
Village Oil Springs	0.12%	0.43%	0.04%
Town Petrolia	0.16%	0.44%	0.04%
Town Plympton-Wyoming	0.29%	0.74%	0.07%
Village Point Edward	0.17%	0.37%	0.04%
City Sarnia	0.25%	0.47%	0.05%
Municipality Southwest Middlesex	0.12%	0.23%	0.02%
Township St. Clair		0.74%	0.07%
Township Strathroy - Caradoc	0.22%	0.44%	0.04%
Township Warwick	0.22%	0.95%	0.09%

This is for demonstration purposes only, as the total general levy allocation will change once the 2016 CVA rates have been received.

Action Required: to receive this report and allow staff to submit 2017 draft budget to your municipalities once 2016 CVA rates have been received.



St. Clair Region Conservation Authority
2017 Proposed Fees (excluding Camping)

Draft

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

CONSERVATION SERVICES FEES		2016	2017
Managed Forest Tax Incentive Program Plan Approvals			
Field Work / Forest Inventory		\$75.00/hr/person	\$75.00/hr/person
Plan Review & Approval Process (including site visit)		\$350.00/plan	\$350.00/plan
Plan Creation & Plan Approval			
Less than 20ac		\$500.00/plan	\$500.00/plan
20-40ac		\$650.00/plan	\$650.00/plan
Greater than 40ac		\$800.00/plan	\$800.00/plan
Timber Management			
Field Work / Site Visit		\$62.00/hr/person	\$62.00/hr/person
Timber Report Creation		\$150.00/person/field day	\$150.00/person/field day
Miscellaneous Fees			
Hunting - McKeough Properties Only (annual permit)		\$70.00	\$70.00
Trapping Permit		\$10.00	\$10.00
Drain Maintenance Program			
Spot spray application for vegetation control in drains		\$100.00/hr + chemical	\$100.00/hr + chemical
Tree Planting (Private Lands) These are guidelines, pricing is dependant on size and location			
Large Stock Program		Cost vary according to size and species	Cost vary according to size and species
Tree Seedlings		Cost vary according to size and species	Cost vary according to size and species
Seedling Tree Planting Services Machine planting:			
500 - 999 trees		\$950/site	\$950/site
1000 – 1950 trees		\$0.95/tree	\$0.95/tree
2000 plus trees		\$0.90/tree	\$0.90/tree
Includes tree planting and initial herbicide application			
Coniferous plantations		15% reduction	15% reduction
Seedling Tree Planting Services Hand planting:			
Refill planting up to 500 trees		\$750.00/site	\$750.00/site
500+ trees		\$1.50/tree	\$1.50/tree
Includes tree planting and initial herbicide application			
Herbicide Tending			
0 -1000 trees		\$300.00 /application	\$300.00 /application
1000+ trees -machine sprayer single herbicide		\$0.30/tree/application	\$0.30/tree/application
1000+ trees -back pack single herbicide		\$0.40/tree/application	\$0.40/tree/application
Tank Mixes multiple herbicides		\$0.50/tree/application	\$0.50/tree/application
Tree Species (Subject to Availability)			
Coniferous Trees	Native & Traditional Species - bareroot seedlings - 8 - 12 inches in height		
Deciduous Trees & Shrubs	Native & Traditional Species - bareroot seedlings - 12 - 18 inches in height		
<i>All seedlings will be grown from seeds collected in seed zones suitable to St. Clair Region</i>			

St.Clair Region Conservation Authority Planning and Regulation Fees

PLANNING SERVICE FEES		2016			2017		
Technical Report Review and Background Data Collection/Provision**							
Data Requests (plus tax)							
Minimum Base (includes up to 3 data sets) plus \$100.00 per data set***		\$300.00			\$300.00		
Report Review and Background Data Collection (non EA)		Natural Hazard	Natural Heritage¹	Combined	Natural Hazard	Natural Heritage¹	Combined
Technical Screening and Preconsultation - GIS, Hydrogeological, Ecology, Hydrology****		\$200.00 base; combined \$500.00***					
Minor Report (scoped)							
	Scoped impact study and proposed mitigation measures– (ie. internal review of : floodline, coastal , hydrogeology, geotechnical, meander belt, wetland (scoped EIS/DAR))	\$300.00	\$300.00	\$500.00 (sum of two <\$100)	\$300.00	\$300.00	\$500.00 (sum of two <\$100)
Major Report							
	Comprehensive impact study and proposed mitigation measures - (ie. floodline, coastal , geotechnical, hydrogeology, geotech, meander belt, full EIS/DAR)	\$500	\$2,000.00	\$2,400	\$500	\$2,000.00	\$2,400
	Waterfront development additional charge for SCRCA coastal engineering review	BOQ ² ie. Coastal or Geotech \$2,000.00 - 3,000.00	N/A	N/A	BOQ ² ie. Coastal or Geotech \$2,000.00 - 3,000.00	N/A	N/A
**1. Authority staff reserve the right to charge technical report review fees over the above noted fees for complex projects having potential significant impact. Costs will be related to multiple technical report reviews, multiple meetings, etc Director and GM to approve fee. 2. Report fee to be reduced by Technical Screening and Preconsultation fees if applicable. Combination of reports submitted concurrently reduced by \$100.00 per additional report.							
***data sets - regulation limit mapping, ESA mapping & info, wetland mapping & info, benthic sampling data, water quality data, fish sampling data							
****The CA will charge a fee of Base \$200.00; Combined \$500.00 to provide preliminary preconsultation comments on all proposed planning applications. This fee will be deducted from the application fee when a formal application is submitted.							
¹ includes applicable adjacent lands							
² BOQ - based on quote							
GIS Services (plus tax)							
Technical Reports – Adobe digital (pdf) format on CD (if available)				\$55.00			\$55.00
Plotting Services				\$9.00/sq ft			\$9.00/sq ft
GIS Service Fees				\$90.00/hr			\$90.00/hr
Digital Aerial Photography (requires license agreement) per tile				\$55.00			\$55.00
Admin fee for digital data transfers				\$100.00			\$100.00
Municipal Planning Advisory Service Fees		Natural Hazard	Natural Heritage¹	Combined	Natural Hazard	Natural Heritage¹	Combined
Severance (per lot created; Waterfront 2 x)		\$200.00	\$300.00	\$300.00	\$200.00	\$300.00	\$300.00
Minor Variance (Waterfront 2x)							
	Minor	\$100.00	\$200.00 (site insp reqd)	\$200.00	\$100.00	\$200.00	\$200.00
	Major includes complex natural hazard and/or heritage issues and can involve multiple peer reviews				\$200.00	\$400.00	\$400.00
Zoning By Law Amendment							
	Minor	\$200.00	\$300.00	\$300.00	\$200.00	\$300.00	\$300.00
	Major includes complex natural hazard and/or heritage issues and can involve multiple peer reviews				\$300.00	\$500.00	\$500.00
Official Plan Amendment							
	Minor	\$200.00	\$300.00	\$300.00	\$200.00	\$300.00	\$300.00
	Major - includes complex natural hazard and/or natural heritage issues and can involve multiple peer reviews	\$300.00	\$500.00	\$500.00	\$300.00	\$500.00	\$500.00
Combined Consent/ZBA/OPA - discount total by \$200.00							
Draft Plan of Subdivision (condo)							
	a) 2-4 Units			\$500.00			\$500.00
	b) 5-15 Units			\$1,000.00			\$1,000.00
	c) > 16 Units			\$2,500.00			\$2,500.00
Processing Fee (reactivating file after 1 year dormant)							\$250.00 std. \$500.00 large (ie OMB)
File continuation (top up to current cost in fee schedule- files > 2 years from application submission every 2 years)							TBD based on app/review scope
Site Plans		\$200.00, 100.00 value < \$50,000	500.00, \$250.00 value	500.00, \$250.00 if value <	\$200.00, 100.00 value <	500.00, \$250.00 if value <	500.00, \$250.00 if value <
Stormwater Management Plans				\$500.00			\$500.00
Site Inspection				\$100.00			\$100.00
Development Inquiry - fee reduced off Regs app (contingent on no change & within 2 year limit)							
	Minor - 1 time interpretation of map/policies/1 bldg envelope plan presented	\$200.00	\$300.00	\$300.00	\$200.00	\$300.00	\$300.00
	Major - includes more indepth analysis of options and/or peer consulting internal &/or external	\$300.00	\$500.00	\$500.00	\$300.00	\$500.00	\$500.00
Legal/Property inquiries (Information on regulations and/or natural heritage features for property transactions (ie lawyers, owners, purchasers or agents)				\$150.00			\$150.00
Site Assessment (ie Terrestrial/Aquatic Ecosystem Review) plus reporting (2 hrs min)				\$90/hr plus exp.			\$90/hr plus exp.

St. Clair Region Conservation Authority Planning and Regulation Fees

Ontario Regulation 171/06 Review Fees	2016	2017
Application		
Reg fee reduced by Development inquiry fee if applicable.		
Technical Screening and Preconsultation - GIS, Hydrogeological, Ecology, Hydrology****		Base \$200.00; combined \$500.00
MINOR* to cover site inspection, costs email clearances	\$150.00	\$150.00
STANDARD** Alter a regulated area, shoreline or watercourse (ie no engineering)	\$300.00	\$300.00
MAJOR*** Alter a regulated area, shoreline or watercourse (ie engineering required)	\$600.00	\$600.00
STANDARD Addition, accessory building, or reconstruct 500ft ² (46.5m ²) or less in size	\$300.00	\$300.00
STANDARD Construct primary building, addition, accessory buildings or reconstruct greater then 500ft ² (46.5m ²) in size	\$400.00	\$400.00
MAJOR Construct primary building, addition, accessory buildings or reconstruct greater then 500ft ² (46.5m ²) in size	\$800.00	\$800.00
Construct a structure or alter an area of interference of a wetland		
a) Major New, but a prohibition, very rarely rec'd, sig impact	\$800.00	\$800.00
b) Standard revised to keep consistent with policy, tech report, EIS review	\$500.00	\$500.00
c) Minor	\$100.00	\$100.00
Aggregate Resources Act review	\$2,000.00	\$2,000.00
Environmental Assessment Act (private proponent) - minor	\$2,000.00	\$2,000.00
- major	\$5,000.00	\$5,000.00
DART review - Minor	\$200.00	\$200.00
DART review - Major (wetland)	\$600.00	\$600.00
Drainage Act Engineer's Report Review		\$300****
Hearing request fee when submission is in non-compliance with O. R. 171 and/or board approved policies	\$500.00	\$500.00
Other Fees		
Golf course development/realignment	\$600.00	\$600.00
Application renewal	\$50.00	\$50.00
Application revisions beyond 2 resubmissions provided checklist acknowledged	25% fee	25% fee
Pipeline or Utility directional drill under a watercourse	\$100.00/crossing	\$100.00/crossing
Review of applications where work has proceeded without authorization	100% surcharge	100% surcharge
Multi-lot or Multi Unit Development	\$400.00	\$400.00
*Minor- projects for which a letter/response is required from SCRCA. (e.g. is located in Regulated area, may require site visit, may affect the program or policy interests. Clearance required. Works that are considered minor in nature, identified by factors such as estimated project cost, location & potential degree of hazard ie. municipal road allowance work, nonindustrial docks that meet policy. Staff may use their discretion to reduce the DART fee to \$50 if the project value is less than \$500.		
**Standard - projects that meet SCRCA policies, routine technical analysis, may or may not require engineering		

**** Section 76 reports are exempt

ADMINISTRATION FEES	2016	2017
Administrative Fees negotiated by contract		
NSF Cheques	\$45.00	\$45.00
Processing Fee - Oil & Gas Long term		
a) Oil & Gas Long Term	\$340.00	\$340.00
b) Annual	\$550.00	\$550.00

EDUCATION FEES	2015/2016	2016/2017
Half Day Class/Student	\$4.50	\$4.50
Full Day Class/student	\$8.50	\$8.50
Minimum Charge for other programs	\$60.00	\$60.00
In Class program (without sponsors) first class	\$100.00	\$100.00
In Class program (without sponsors) second class same school	\$75.00	\$75.00

WATERSHED SERVICES TECHNICAL FEES	2016	2017
Technical Reports - Adobe digital (pdf) format on CD	\$50.00	\$50.00
Data and Information Requests		
a) HEC II, HYMO, Hyrdo Pak, Streamgauge, Precipitation, Meteorological or Flow Data	\$100.00	\$100.00
Additional cost for data or information collection in excess	\$50.00/hr	\$50.00/hr
b) of one hour		
c) Additional cost for CDs or printed reports	\$50.00	\$50.00

Staff Report

12.(vi)



To: Board of Directors
Date: August 16, 2016
From: Tracy Prince
Subject: Investment Analysis

In 2015 the Authority Board approved a new investment policy. The policy was shared with our 2 main investors ScotiaMcLeod and BMO Wealth Management.

Analysis after one year:

ScotiaMcLeod – managed fund with a .25% fee.

Closing balance August 2015	\$702,092.00
Closing Balance July 2016	\$729,800.00

After fees the		
Increase in market value	\$ 27,708	Average Return 3.95%

BMO - strictly GIC investments, no fees

Closing balance June 2015	\$1,375,367.90
Closing balance May 2016	\$1,388,013.07

Interest Income	\$ 12,645.17	Average Return 0.91%
-----------------	--------------	----------------------

Current GIC investments certificates range from .850% to 2.36%, with maturity dates occurring in 2016 to 2021. It is expected that the average return will improve slightly. Longer term certificates are in the 2.2%, the investor is monitoring the availability of higher rate GIC. To ensure low risk, GICs are purchased to the maximum under the Canadian Deposit Insurance requirements.

For the period ending **June 30, 2016**
Date of last statement: May 31, 2016
Primary account: 440-17189

07231



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



Your Investment Advisor:
JONATHAN BATCH

Phone: 519-646-3044
Batch Investment Group
www.batchinvestmentgroup.com
Assistant: Sharon Tingley
sharon.tingley@nbpcd.com
Suite 1900
One London Place
255 Queens Avenue
London, ON N6A 5R8
Branch Manager:
DAVID HAAK
Phone: (519) 672-8560

Account overview

Canadian dollar account	Market value
440-17189-13 Cash 17189	1,390,166.43
This month	1,390,166.43
Last statement	1,388,013.07
Grand total in Cdn\$	1,390,166.43
Last statement	1,388,013.07

You can access your up-to-date account information online through BMO Nesbitt Burns Gateway at:

<https://gateway.bmonesbittburns.com>
If you have not yet registered for Gateway access, please contact your Investment Advisor.

Bulletin board

Convert to eStatements.

Stay organized, save time and eliminate clutter by opting to receive your monthly statements electronically. Your eStatements are also accessible online for up to seven years after the statement was originally printed.

To turn off your paper statements, log on to <https://gateway.bmonesbittburns.com>.

In June, trade confirmations will be enhanced to display a breakdown of fees and charges related to your transaction. If you have any questions about your trade confirmations, please contact your Investment Advisor.

IMPORTANT MESSAGE REGARDING POTENTIAL POSTAL

DISRUPTION:

In addition to mail, we offer electronic alternatives to access your investment account(s) information and view your investment statement online.

Take advantage of Gateway, BMO Nesbitt Burns' solution for online account connectivity. This service is free of charge and provides the ability to view your investment statements online, in addition to account information and transaction history.

Enrolling for this service is free and simple. Speak with your Investment Advisor who can provide a Gateway Client Agreement to begin the enrollment process.

The US/CDN conversion rate is: 1.2917, as of June 30th.

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Canadian dollar account

Summary of your investments

	Cash 17189 account Market Value (CDN currency)	% Invested by Asset Class
Cash & short-term investments		75%
Cash	0.43	
Long Positions	1,040,166.00	
Fixed income & related securities		25%
Long Positions	350,000.00	
Total value of your investments	1,390,166.43	100%

Summary of income and expenses

	This month's income	This month's expenses	Year-to-date income	Year-to-date expenses
Dividends	0.00	0.00	0.00	0.00
Interest	2,153.36	0.00	10,986.75	0.00
Total	2,153.36	0.00	10,986.75	0.00

Details of your investments

Cash & short-term investments

Account type	Description	Quantity	Average cost	Total cost (CDN currency)	Market price	Total market value (CDN currency)
Cash	Cash balance as of June 30			0.43		0.43
Cash	EQUITABLE TRUST GIC ANNUAL DUE 09/07/2016 2.400%	100,000	100.000	100,000.00	100.000	100,000.00
Cash	BANK OF MONTREAL GIC 30 DAY CASHABLE ANNUAL DUE 05/15/2017 0.850%	200,000	100.000	200,000.00	100.000	200,000.00
Cash	BANK OF MONTREAL MORTGAGE GIC 30 DAY CASHABLE ANNUAL DUE 05/15/2017 0.850%	100,000	100.000	100,000.00	100.000	100,000.00
Cash	BMO TRUST GIC 30 DAY CASHABLE ANNUAL DUE 05/15/2017 0.850%	137,000	100.000	137,000.00	100.000	137,000.00
Cash	HOME TRUST COMPANY GIC ANNUAL DUE 05/15/2017 1.800%	100,000	100.000	100,000.00	100.000	100,000.00
Cash	HOMEQUITY BANK GIC ANNUAL DUE 05/15/2017 1.650%	50,000	100.000	50,000.00	100.000	50,000.00
Cash	PEOPLES TRUST GIC ANNUAL DUE 05/15/2017 1.800%	100,000	100.000	100,000.00	100.000	100,000.00

Details of your investments continued on next page

For the period ending **June 30, 2016**
Primary account: 440-17189

Details of your investments continued

Cash & short-term investments

Account type	Description	Quantity	Average cost	Total cost (CDN currency)	Market price	Total market value (CDN currency)
Cash	BANK OF MONTREAL MORTGAGE CORP GIC 30 DAY CASHABLE ANNUAL DUE 06/22/2017 0.850%	253,166	100.000	253,166.00	100.000	253,166.00
Total - cash & short-term investments				1,040,166.43		1,040,166.43



Fixed income & related securities

Fixed income

Account type	Description	Quantity	Average cost	Total cost (CDN currency)	Market price	Total market value (CDN currency)
Cash	CANADIAN WESTERN BANK GIC ANNUAL DUE 05/13/2019 2.200%	100,000	100.000	100,000.00	100.000	100,000.00
Cash	EQUITABLE BANK GIC ANNUAL DUE 05/13/2019 2.200%	100,000	100.000	100,000.00	100.000	100,000.00
Cash	HOMEQUITY BANK GIC ANNUAL DUE 05/13/2021 2.220%	50,000	100.000	50,000.00	100.000	50,000.00
Cash	PRESIDENT'S CHOICE BANK GIC ANNUAL DUE 05/13/2021 2.360%	100,000	100.000	100,000.00	100.000	100,000.00
Total - fixed income				350,000.00		350,000.00
Total - fixed income & related securities				350,000.00		350,000.00

Total of your investments **1,390,166.43** **1,390,166.43**

Monthly activity

Transaction details

Cash account 440-17189

Settle date	Activity	Description	Quantity	Income/Expense Price	Amount (CDN currency)
Jun 1		Opening cash balance			24,963.07
Jun 20	Redemption	BANK OF MONTREAL GIC 30 DAY CASHABLE ANNUAL DUE 06/20/2016 INT 0.950% ISSUE REDEEMED FOR CASH	-226,050		226,050.00

Monthly activity continued on next page

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Monthly activity continued

Transaction details

Cash account 440-17189

Settle date	Activity	Description	Quantity	Price	Income/Expense	Amount (CDN currency)
Jun 20	Interest	BANK OF MONTREAL GIC 30 DAY CASHABLE ANNUAL DUE 06/20/2016 INT 0.950% CPN INT ON 226050 BND REC 06/17/16 PAY 06/19/16	226,050		Income	2,153.36
Jun 22	Bought	BANK OF MONTREAL MORTGAGE CORP GIC 30 DAY CASHABLE ANNUAL DUE 06/22/2017 00.850% JUN 22 FLAT RELATED OR CONNECTED ISSUER	253,166	100.0000		-253,166.00
Jun 30		Closing cash balance				0.43

For the period ending **June 30, 2016**
Primary account: 440-17189

Other important information

About this statement

Please let us know within 45 days if any item(s) on this report is incorrect. You can contact your Investment Advisor or the BMO Nesbitt Burns Client Information Centre at 416 594-5920 or toll free at 1 888 769-4444. We may change the amounts on this report if we have omitted an item or if any numbers are incorrect.

Please let your Investment Advisor or Branch Manager know if your investment objectives or your financial situation has changed so we can ensure that you are on track to meet your investment objectives.

BMO Nesbitt Burns makes no guarantee for the accuracy of this information within this statement, including the average cost on individual securities. BMO Nesbitt Burns is not liable for any errors or omissions in this information.

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

Legend of Average Cost indicators

- M** - Market Value information was used to estimate part or all of the Average Cost for this security position.
- N/D** Average Cost for this security holding cannot be determined.
- O** - Market Value information as of October 2, 2015 was used to estimate part or all of the Average Cost for this security position.

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

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

A copy of our most recent statement of our financial condition and a list of directors and senior officers are available on request. Clients in British Columbia are entitled to certain information

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A member of BMO Financial Group.
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about BMO Nesbitt Burns, including information about commission and fees, and any administrative proceedings that may relate to the firm and its staff. For Related and Connected Issuer and Conflicts of Interest Statement, please visit our website: http://www.bmo.com/nesbittburns/about/nb/bmonb/regulatory_documents/conflicts_of_interest.

Prices of the securities in your accounts

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

Legend of Market Price indicators

- E**- There is no active market for this security so we have estimated its market value.
- N**- We are unable to obtain a reliable market value for the security. Therefore, in accordance with our standard practice, the market value of the security is not determinable and has been set to zero. This does not mean that the security does not have a value but only that a value cannot be assigned at this time.

Deferred Sales Charge

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

Registered accounts

The trustee for registered accounts is BMO Trust Company.

Investor protection

For non-registered and registered plan accounts, the Canadian Investor Protection Fund protects cash and securities held with BMO Nesbitt Burns Inc. within specified limits. For Preferred or Preferred Plus accounts, deposits in your Canadian dollar bank account with Bank of Montreal are insurable under the Canada Deposit Insurance Corporation Act. Deposits in your U.S. dollar bank account with Bank of Montreal are not insurable under the Act and are not insured by the Canadian Investor Protection Fund. Your securities are protected under the Canadian Investor Protection Fund. Brochures describing the types and limits of coverage are available at your request.

Insurance products

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

Sales Tax information

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



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Account Number: **460-16010**
 Account Type: Regular Account
 For the Period: **July 1 to 29, 2016**
 Last Statement: June 30, 2016

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

Address Information

148 Fullarton Street
 Suite 1801
 London ON
 N6A 5P3

Phone: (519) 679-9490
 Website: www.scotiawealthmanagement.com
 Branch Manager: Matt Berry



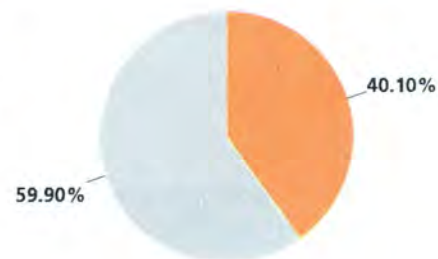
Your Wealth Advisor

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

CANADIAN Account Overview

Currency: CANADIAN DOLLAR

Asset Class Summary	Jul. 29, 2016 Market Value	% of Total Assets
Fixed Income	292,668	40.10
Other	437,132	59.90
Total Value of Account	\$729,800	100.00
Total Value on Last Statement, June 30, 2016	\$723,919	



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Details of Your Account Holdings

Type	Security Description	Quantity	Average Cost	Adjusted Book Value	Market Price	Market Value
Fixed Income						
CASH	MANULIFE STRATEGIC INCOME FUND CL F NL (659)	5,704.374	12.772	72,861	13.159	75,064
CASH	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505) See Endnote 1	15,259.747	14.513	221,466	14.260	217,604
Total Fixed Income						\$292,668
Other						
CASH	MACKENZIE GLOBAL TACTICAL INVESTMENT GRADE BD FD SERIES PWF (6526) See Endnote 1	21,434.649	9.993	214,217	10.150	217,562
CASH	SIGNATURE CANADIAN BOND CORP CLASS EF NL (15137)	20,991.394	10.294	216,092	10.460	219,570
Total Other						\$437,132
Total Account Holdings				\$724,636	\$729,800	

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
Jul. 04, 2016	CASH	DIVIDEND	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505) REINVEST 06/30/16 @ \$14.0923 PLUS FRACTIONS OF 0.720 BOOK VALUE \$813.41	57		
Jul. 18, 2016	CASH	FEE	MPP MANAGED PORTFOLIOS GST/HST 86817 6249 RT0001 QST/TVQ 1019148099 TQ0001 TID#0110F000111058			-1,414.27

Monthly Activity - continued

Date	Type	Activity	Description	Quantity	Price	Credit/Debit(-)
			TID#0110F000111058			
Jul. 22, 2016	CASH	SELL	PIMCO MONTHLY INCOME FUND (CANADA) CL M (505) PLUS FRACTIONS OF 0.212 SOLICITED	-99	14.2550	1,414.27
Jul. 25, 2016	CASH	DIVIDEND	MACKENZIE GLOBAL TACTICAL INVESTMENT GRADE BD FD SERIES PWF (6526) REINVEST 07/22/16 @ \$10.1397 PLUS FRACTIONS OF 0.195 BOOK VALUE \$427.85	42		

Closing Cash Balance **\$0.00**

Summary

Income Summary

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



Go Paperless – with **Scotia Online!**

ScotiaMcLeod clients can choose paperless record keeping within **Scotia Online**. Receive monthly statements, trade confirmations, mutual fund prospectuses and annual trading summaries all within the secure environment of your **Scotia Online** account.

To learn more about the ScotiaMcLeod services and features available through **Scotia Online**, please contact your advisor or member of their team.

Terms and Conditions

Terms and Conditions are applicable to your account(s). For further details of these terms and conditions go on-line or speak to your Investment Advisor.
<http://www.scotiabank.com/ca/common/pdf/scotiamicleod/TandC.pdf>

Average Cost & Adjusted Book Value

Adjusted book value is average cost times the number of shares that you hold of a security. The average cost and adjusted book value displayed on this statement may represent: 1) your total cost, including commission and fees, of acquiring the security, 2) the value at the time the security was transferred into the account, 3) the effect of subsequently re-invested dividends and/or mutual fund distributions, 4) revisions as a result of security reorganizations and other corporate actions, 5) values which you have provided and requested that we reflect, or a combination of the foregoing. A statement message will advise you that an adjustment has been made in the month it occurs. This information has been calculated to the best of our ability unless provided by you. This information should not be used for the purposes of tax reporting.

Statement Frequency

Statements are issued whenever there has been activity in the account during the past month; otherwise statements are issued on a quarterly basis.

Relationship with TMX Group Limited

Scotia Capital Inc. (or an affiliate thereof) owns or controls an equity interest in TMX Group Limited ("TMX") (and has a nominee director serving on the board thereof). As such, Scotia Capital Inc. may be considered to have an economic interest in the listing of securities on an exchange owned or operated by TMX, including the Toronto Stock Exchange, the TSX Venture Exchange and the Alpha Exchange. No person or company is required to obtain products or services from TMX or its affiliates as a condition of Scotia Capital Inc. supplying or continuing to supply a product or service.

Leverage / Margin Risk Disclosure Statement

The use of leverage may not be suitable for all investors. Using borrowed money (whether through a margin account or any other method of borrowing) to finance the purchase of securities involves greater risk than using cash resources only. If you borrow money to purchase securities, your responsibility to repay the loan and pay interest as required by its terms remains the same even if the value of the securities purchased declines.

Wealth Advisor Information

Details of the individual representative who accepted your order(s) are available upon request. Please contact the Branch Manager.

Cash Balances

This section shows the balance in your account, including all transactions that have settled. A debit balance is indicated by "-" and represents an amount owed to Scotia Capital Inc. ("ScotiaMcLeod"). Free credit balances in Regular accounts represent funds payable on demand which, although properly recorded in our books, are not segregated and may be used in the conduct of our business. Cash balances in Registered accounts are held in trust by the trustee.

Asset Class Summary

Asset classes you hold will be displayed under the Asset Class Summary section in the statement. Please note that only the asset classes of securities you hold in your account will be displayed on your statement. The term "Total Value of Account" refers to the total market value of priced securities within your account, by currency, including cash balances at the close of the date indicated.

Income Summary (Regular Accounts Only)

Dividend and/or interest income that has been credited to your account this month and year-to-date are summarized in this section. Accrued or deemed interest on debt or discount securities purchased or sold is not included.

Payment Information (RIF and LIF Accounts Only)

The information displayed reflects our records as of the statement date. Minimum Annual Payment refers to the minimum annual amount required from your RRIF account by Canada Revenue Agency. If, according to our records, you have elected to receive an annual amount greater than the minimum payment, then this amount will be displayed as the Elected Payment Amount. Withholding tax will be charged for amounts withdrawn in excess of the Minimum Annual Payment. The Year to Date Payment amount displayed is the total amount of the payments sent to you, after withholding tax has been deducted, if applicable.

Monthly Activity

This section shows all the activity in your account during the month. The Date column refers to the settlement date in the case of executed trades, or processing date in the case of other entries. Direct Funds Transfers made to

your account on the last business day of the month may not appear on your month end statement until the following month.

Short Account

Proceeds from declared short sales have been segregated into a SHORT account and market increases and/or decreases from the original sale price are marked to the market. Such increases and or decreases are transferred to your margin account weekly. Transfers are reflected with the description "Mark to Market."

Details of Your Account Holdings

The market valuation information has been obtained from sources believed to be reliable; however, we cannot guarantee their accuracy. Our best efforts have been made to price all securities; however, in some circumstances, we may be unable to obtain valuations. A current market quotation can be made available upon request.

Segregated Quantity

Securities regulations stipulate that all fully paid and excess margin securities must be promptly segregated and are not available for use in the general conduct of our business. All security positions displayed under the account holdings section are segregated unless otherwise indicated. Should there be a security in which the account holds a portion of the quantity segregated and a portion registered in your name, this will be indicated under the security description column.

Remuneration for Order Flow

In connection with certain trades in securities that are executed for you in the U.S. marketplace, ScotiaMcLeod will receive remuneration for directing orders to a particular broker-dealer or market center for execution. The source and amount of any such remuneration received by ScotiaMcLeod in connection with any transaction executed on your behalf shall be disclosed to you upon request.

Member - Canadian Investor Protection Fund

Client accounts are protected by the Canadian Investor Protection Fund within specified limits. Further information describing the nature and limits of coverage is available from ScotiaMcLeod upon request.

Endnotes

1. There has been an adjustment made to this book value during the statement period.
2. There is no active market for this investment, and therefore the market value has been estimated.
3. There is no active market for this investment, and the market value cannot be determined.
4. If this position is sold, a sales charge may be applied to the proceeds.
5. Some or all of the book value of this position has been determined using a market value calculation.
6. The book value of this position cannot be determined.

Other Information

Employees of The Bank of Nova Scotia ("Scotiabank") and/or ScotiaMcLeod are not authorized to provide tax or legal advice. Please consult your accountant or lawyer on such matters.

The financial statement of Scotiabank and Scotia Capital Inc. as at the close of the last financial year and a current list of directors and officers will be furnished upon request. Clients in British Columbia are entitled to certain additional information about ScotiaMcLeod, including information about commissions and fees that we charge, and about any administrative proceedings that may relate to the firm or its staff.

This statement reflects all obligations of the firm to you. Please examine this statement of account promptly. Any errors or omissions or unauthorized discretionary transactions must be reported in writing within 60 days as of the date of this statement to: Director, Compliance Department, 1 Adelaide Street East, 7th floor, Toronto, Ontario, Canada M5C 2V9 or you will be precluded from asserting that errors or omissions have occurred.

T: 1-800-377-0065 F: 416-350-3088
 em:scotiamicleodcomplaints@scotiabank.com

Code Information

Code:	Nonvot	Resvot	Subvot
Definition:	Non-voting	Restricted Voting	Subordinate voting

Staff Report

13.(i)



To: Board of Directors
Date: August 26, 2016
From: Rick Battson
Subject: Communications Progress Report

Conservation Education

With the Conservation Education Program about to launch into its season, two promotional flyers were produced highlighting the numerous programs available to students in both elementary and high schools. The flyers were distributed to each teacher in the region highlighting the various programs provided.

Conservation Scholarships

Four scholarships were presented in July by Steve Arnold. The students (and parents) were all very appreciative.



A.W. Campbell Memorial Scholarships - \$1,000 award: Jared Vanrabaeyns, Lambton Kent Composite School; Emily Glasgow, Lambton Kent Composite School

Tony Stranak Conservation Scholarship - \$500 award: Kurtis Minielly, North Lambton Secondary School

Mary Jo Arnold Conservation Scholarship - \$500 award: Jaime Dimillo, St. Patrick's High School

Aamjiwnaang Environment Day

Staff attended the Aamjiwnaang First Nation Environment Day on August 13. It was an excellent turn out and provided the Authority with an opportunity to showcase our programs.



Coming Events

McKenzie and Blundy Memorial Forest Dedication: Wawanosh Wetlands Conservation Area, September 18, 2:00 pm – Greetings will be provided by Steve Arnold

A Geocaching Adventure: Lorne C. Henderson Conservation Area, Sunday, September 18, 9:00 a.m. – 3:00 p.m.

St. Clair Region Conservation Foundation Memorial Forest Dedication: Lorne C. Henderson Conservation Area, September 25, 2:00 pm – Speakers – Duncan Skinner, President, St. Clair Region Conservation Foundation and Steve Arnold.

Chatham-Kent and Lambton Children's Water Festival, C.M. Wilson Conservation Area, Chatham, October 4 - 6

St. Clair Region Conservation Authority

Conservation Education Programs

2016 - 2017

*"I hear, I know.
I see, I remember.
I do, I understand."
- Confucius*



hands-on, elementary and secondary school curriculum-based programs

For more information on elementary and secondary school programs visit us at www.scrca.on.ca



CONSERVATION EDUCATION AT THE ST. CLAIR

The St. Clair Region Conservation Authority provides both in-class and outdoor conservation education experiences which are closely tied to a variety of grade-specific curricula. Demand for these programs is very high, so it is recommended you book early to avoid disappointment. By visiting our website, you can find information on each program including how they relate to current curriculum and how to book a program. Many of the programs listed can be adapted to suit your specific interests. First-hand self learning is the emphasis of our program activities.



OUTDOOR PROGRAMS

Outdoor Education brings classroom studies to life. We offer 19 hands-on elementary programs available at the Lorne C. Henderson Conservation Area near Petrolia. Other Conservation Areas may be available for certain programs (discuss with our staff when booking). Most programs are 2 hours in length.

PRIMARY/JUNIOR PROGRAMS

Pond Pals - Grades JK – 2

Hands-on investigation of the pond highlights this primary wetland study. Emphasis will be placed on the needs and habitat of pond critters.

The Lorax - Grades JK – 2

This Dr. Seuss story introduces students to the importance of clean air, fresh water, and animal habitats through a slide presentation, hike, and nature activities.

Choose Your Own Adventure Orienteering - Grades 2 – 5

Students navigate through a “Choose Your Own Adventure Story” with the aid of a map and compass to locate “adventure” stations. Along the route, animal survival decisions are made which determine the main character’s actions. Students earn “survival points” to determine the strongest survivor.

Fabulous Fall - Grades JK – 4

Preparation for winter is the job of every living organism in the autumn. Hibernation, migration, fall flowers, life cycles, and a variety of other topics will be presented to your students by a series of slides, a nature hike, and activities.

Nature in Winter - Grades JK – 4

Through nature activities and a guided hike, students are encouraged to explore natural habitats in the winter. Topics to be investigated include: how active animals meet their needs in harsh winter conditions, hibernation, and dormancy in plants. Highlights of the program include searching for animal tracks and a chance to hand-feed wild birds at the woodland bird feeder. Please note - there are no guarantees the birds will co-operate.

Spring Has Sprung - Grades JK – 4

Start your spring by studying the variety of changes that occur in nature. Flowers in blossom, budding trees, nest building, and animal habitats are all discussed.

The Circle of Life – Grade 2

In the *circle of life* many creatures experience changes in both appearance and activity. Students will have the opportunity to role play the life cycle of a butterfly and to explore the metamorphosis of some other insects and amphibians.



Slippery Soils – Grades 3 – 4

Students are given a hands-on opportunity to explore a soil community, digging under leaves and logs looking to see who calls this habitat home. Soil formation, soil types, decomposition, and interconnections between soil, plants and habitats are all topics that are discussed through a guided hike and outdoor activities.

More Than Just a Bunch of Trees - Grades 2 – 4

Plants fuel all food chains on earth and the relationships they have with insects and other animals form the foundation of all habitats. Students will study the needs of plants, their relationships, and become *tree detectives* as they learn tree identification skills. Butterfly-net insect collection from a tall meadow can be included upon request.

Owl Prowl - Grades 3 – 5

Birds of prey by night or day, hunt their food before it strays. Students become owls and through an active simulation game learn how owls meet their needs, what specialized adaptations help them survive and the roles they play within their habitats.



JUNIOR / INTERMEDIATE PROGRAMS

Boots, Birds and Bugs - Grades 4 – 6

Aquatic food chains and adaptations are emphasized in this hands-on pond community investigation. Students dip their nets into the pond and identify the life forms they discover.

Nature in Flight - Grades 4 – 6

Winged animals, insects, birds and bats are used to examine flight. Adaptations allowing these animals to fly and the unique spaces they fill within their habitats will be discussed. Properties of air and the characteristics of flight will be identified and human impacts on winged animals will be explored.

Instincts for Survival - Grades 4 – 10

Survival of the fittest is the harsh law required for the balance of nature. This simulation game teaches students about animal interdependencies, predator/prey relationships, disease, elements, camouflage, and the various influences of humans.

Endangered Species Game - Grades 4 – 6

This active game introduces students to the Endangered Species of Ontario. A positive effect on students' value system, and attitudes towards the environment, ecology and wildlife will be instilled.

Geocaching - Grades 3 – 10

Geocaching is a high-tech treasure hunt using a Global Positioning System Receiver (GPS) and longitude and latitude coordinates to find hidden caches. During the 2 hour program, students will be taught how to mark and hide a cache. Students will then use the learned knowledge to locate hidden geocaches.

You may choose to stay for an ALL DAY GEOCACHING ADVENTURE: Older grades can search for published geocaches. Following the morning program, students spend the afternoon searching for published geocaches at the 135 ha Conservation Area. Two program fees apply for full day activities.



Conservation in Crisis with GPS technology - Grades 6 – 8

The state of the environment is a serious problem in our world today. Loss of habitat, pollution, erosion, and climate change are only a small portion of the problems we face. The Conservation Authority's role in finding solutions to these problems will be explored through outdoor activities and a self-guided hike using GPS receivers. A short introduction to the GPS units is included.

A Bug's World - Grades 6 – 8

Investigation of vertebrates and invertebrates highlights this hands-on biodiversity study. Students collect and classify animals from two different habitats to observe the complex diversity of life. Examination of the organism, its community, and how the abiotic parts of the ecosystem allow a greater understanding of the animal and its role within the ecosystem.

Orienteering - Grades 4 – 8

With compass and map in hand, students find their way through a designated course. Students learn the basic parts of both a map and a compass and how to use them together in order to orient themselves.

Wild, Wild, Wetlands - Grades 7 – 8

What is the value of a wetland? Students will explore this question through a guided hike and a hands-on wetland ecosystem study. Students will discover that plants, animals, and abiotic factors all play a vital role in the health of the ecosystem. Habitat, flood control, erosion, pollution, climate change, and ecosystem services will all be discussed.



CLASSROOM PROGRAMS

A Conservation Education instructor can be made available to bring the outdoors into your classroom. In addition to programs listed below, specialized programs can be developed including animal/plant preparation for winter/spring, life cycles, soils, etc. Activities can include Power Point presentations, games and nature activities. Some activities can be played in the school yard. Please call for details. The cost for a one hour program is \$100 per class and \$75 for each additional class in the same school for the same day.

The 5 programs below are offered free of charge thanks to our sponsors

St. Clair River Bottom Critters - Grades JK – 10

Sponsored by the Sarnia-Lambton Environmental Association

Students will explore live critters from the bottom of the St. Clair River which are used to determine the quality of the environment. They will discover that a healthy environment is important to everyone - industry and residents alike. **In-class Program**

Go with the Flow - Grades JK – 8

Sponsored by the Sarnia-Lambton Environmental Association

Using an interactive Groundwater Model, this program demonstrates how interdependence links the soil, earth materials, and water, making them part of the same system needed to support life. Different activities for each Grade: Water in our Environment; Soil Erosion; Rocks and Minerals; Energy; Electricity; Ecosystems and Water Systems.

River RAP - Grades 8 – 10

Sponsored by the Friends of the St. Clair River

Learn about local threats to our watershed using a hands-on 'enviro-scape' model. Students will learn about current strategies to ensure safe, healthy water for the St. Clair River community and the plants and animals that inhabit it.

Aquatic Species at Risk - Grades 4 – 12

Sponsored by Environment Canada

This program provides an in-depth look at LOCAL species at risk (including hands-on investigation of specimens). Exploration of the species, their importance, the factors that cause species decline, and the solutions available to help restore healthy populations are all discussed in the presentation.

Spring Water Awareness - Grades JK – 6

Sponsored by Union Gas

Children often don't think about the dangers of ice and waterways during the spring thaw. This program will highlight dangers to watch for - hypothermia, protecting floodplains, and the impact of climate change. An introduction to the natural world around us is also included through a power point presentation and grade -appropriate activities.

Outdoor Program Fees

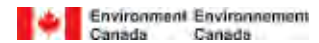
\$4.50 per student for a two hour program
\$8.50 per student for 4 hours (2 programs)
Minimum Fee: \$60.00

In-Class Program Fees *

\$100 per class for a 1 hour program
\$75 for each additional class for the same school on the same day

* Some programs are sponsored and are free of charge - these are noted with the program.

This program is sponsored in part by the generous contributions of:



For further information on how to book a program:

Visit our website:

www.scrca.on.ca

Contacts:

Sharon Nethercott, H.B.O.R., B.Sc., B.Ed.
Conservation Education Coordinator
Lorne C. Henderson Conservation Area
R.R.#4, Petrolia, Ontario N0N 1R0
519 882-2399
E-Mail: snethercott@scrca.on.ca

Melissa Gill, H.B.Sc.
Conservation Education/Community Partnership
Technician
Lorne C. Henderson Conservation Area
R.R.#4, Petrolia, Ontario N0N 1R0
519 882-2399
E-Mail: mgill@scrca.on.ca

Administration Office:

St. Clair Region Conservation Authority
205 Mill Pond Crescent
Strathroy, Ontario N7G 3P9
519 245-3710 Fax: 519 245-3348
E-Mail: stclair@scrca.on.ca
Website: www.scrca.on.ca

St. Clair Region Conservation Authority

Conservation Education Programs for Secondary Schools



hands-on secondary school curriculum-based programs

For more information on elementary and secondary school programs visit us at www.scrca.on.ca

CONSERVATION EDUCATION AT THE ST. CLAIR

The St. Clair Region Conservation Authority provides both in-class and outdoor conservation education experiences which are closely tied to a variety of grade-specific curricula. Demand for these programs is very high, so it is recommended you book early to avoid disappointment. By visiting our website, you can find information on each program including how they relate to current curriculum and how to book a program. Many of the programs listed can be adapted to suit your specific interests. First-hand self learning is the emphasis of our program activities.

OUTDOOR PROGRAMS

Outdoor Education brings classroom studies to life. We offer 6 hands-on high school programs available at the Lorne C. Henderson Conservation Area near Petrolia. Other Conservation Areas may be available for certain programs (discuss with our staff when booking). Most programs are 2 hours in length.

Forest Inventory

Using biotic and abiotic forest indicators, students analyze the health of two distinct survey sites – a mature forest and a plantation. Students explore the definition of a forest, its complexity and fragility; as well as the 'value' of a forest based upon differing perspectives. A culminating hands-on restoration activity is available on request. Topics discussed include resource management, habitat restoration, species inventories, indicators of biodiversity, the role of plants in the ecosystem, invasive species and human impact on the environment.

Curriculum Links: SNC1D, SNC1P, SBI3C, SVN3M, SVN3E, CGC1P, CGF3M, CGR4M, CGR4E

Stream Assessment

Students are led through an on-site stream investigation and are taught to analyze the chemical, biological and physical characteristics of the stream. Discussion focuses on the health of the stream based upon chemistry, benthic macroinvertebrate populations, signs of erosion and streambank stability. Historical information on the stream is shared and the students learn causes for current stream conditions. They are encouraged to brainstorm potential ways to lessen human impact and improve stream health in the future.

Curriculum Links: SNC1D, SNC1P, SVN3M, SVN3E, CGC1P, CGF3M, CGR4M, CGR4E



Introduction to Entomology

Students receive an in-depth introduction to the world of insects. Through a guided hike and specimen collection from two ecosystems, students will learn the basics of insect identification, classification, specialization and diversity. Emphasis on insect interactions with other parts of the ecosystem provides a link to agriculture, pollination, medicine, water quality, climate change, biomimicry and ecosystem services.

Curriculum Links: SNC1D, SNC1P, SBI3U, CRG4M, CRG4E

GPS Training and Geocaching

Uses and applications of GPS units allow students to develop spatial technology skills and navigate the Conservation Area while marking waypoints, elevation, and developing routes. You may choose to stay for an ALL DAY GEOCACHING adventure. Following the 2-hour morning program, students spend an additional 2 hours searching for published geocaches at the 135-hectare Conservation Area. Two program fees apply for full day activities. (4 hours)

Curriculum Links: CGC1D, CGC1P, CGO4M

Introduction to GIS

Spatial Technology Skills are developed through field data collection and analysis. Using a pre-set problem, students will discuss GIS criteria, build data sets, complete GIS analysis, determine output and make a final decision following their analysis. A simple introduction to QGIS programming demonstrates the use of data collection. Prerequisite GPS Training and Geocaching. Both programs can be chosen for a full day of activities.

Curriculum Links: CGC1D, CGC1P, CGO4M

Instincts for Survival

'Survival of the Fittest' is the harsh law required for the balance of nature. This simulation game teaches students about animal interdependencies, predator/prey relationships, disease, food pyramids & trophic levels, adaptations for survival & the power & responsibility of human beings.

Curriculum Links: SNC1D, SNC1P, PPL10, PPL20





CLASSROOM PROGRAMS

A Conservation Education instructor can be made available to bring the outdoors into your classroom. In addition to programs listed below, specialized programs can be developed including animal/plant preparation for winter/spring, life cycles, soils, etc. Activities can include Power Point presentations, games and nature activities. Some activities can be played in the school yard. Please call for details. The cost for a one hour program is \$100 per class and \$75 for each additional class in the same school for the same day.

The 3 programs below are offered free of charge thanks to our sponsors

St. Clair River Bottom Critters

Sponsored by the Sarnia-Lambton Environmental Association

Students will identify live river bottom critters and learn how these creatures are used as indicators of environmental health. Biological monitoring techniques and water quality improvement over the past 40 years will also be discussed in the hands-on investigation.

Curriculum Links: SNC1D, SNC1P, SVN3M, SVN3E

River RAP

Sponsored by the Friends of the St. Clair River

Learn about local threats to our watershed using a hands-on 'enviro-scape' model. Students will learn about current strategies to ensure safe, healthy water for the St. Clair River community and the plants and animals that inhabit it. Topics discussed: watersheds, water quality threats, non-sustainable agriculture, erosion and sedimentation, wetlands as purifiers, water treatment processes and Remedial Action Plans.

Curriculum Links: SNC1D, SNC1P, SVN3M, SVN3E, CGF3M, CGR4M, CGR4E

Aquatic Species at Risk

Sponsored by Environment Canada

This program provides an in-depth look at LOCAL species at risk. The river these animals depend upon for survival, the Sydenham River, is considered one of the most biodiverse rivers in Canada. Exploration of the species, their ecological importance, the current environmental stressors they face and the solutions that can help them provides students with a better appreciation of their community and their role within the system.

Curriculum Links: SNC1D, SNC1P, SVN3M, SVN3E, CGF3M, CGR4M, CGR4E



Specialist High Skills Major (SHSM)

Certification Programs

Conservation Authority staff can assist/facilitate a number of sector recognized certification programs for a variety of majors.

Certification programs offered to date include, but are not limited to:

- Compass/Map/Global Positioning System (GPS)
- Geographic Information System (GIS)
- Tree Planting
- Project Wild & Below Zero
- Species Identification

Staff are available to work with teachers to build additional certification programs upon request.

Innovation, Creativity, Entrepreneurship (ICE) Training

Conservation Authority staff are available to partner in ICE Training sessions for SHSM students as either:

Sector Partner – providing authentic ‘sector’ relevant challenges for SHSM students under the guidance of a facilitating teacher

Facilitator - acting as sector partner and facilitator, ICE trained Conservation Authority staff will lead students through the 3 gears of ICE training: Empathy and Need Finding; Ideation and Prototyping; and Strategy and Testing.

Each ICE training session is tailored to meet the needs of the SHSM major, individual students and teachers involved. Please contact us to discuss opportunities and fees related to this type of experience.



Outdoor Program Fees

\$4.50 per student for a two hour program
\$8.50 per student for 4 hours (2 programs)
Minimum Fee: \$60.00

In-Class Program Fees *

\$100 per class for a 1 hour program
\$75 for each additional class for the same school on the same day

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Administration Office:

St. Clair Region Conservation Authority
205 Mill Pond Crescent
Strathroy, Ontario N7G 3P9
519 245-3710 Fax: 519 245-3348
E-Mail: stclair@scrca.on.ca
Website: www.scrca.on.ca

Staff Report

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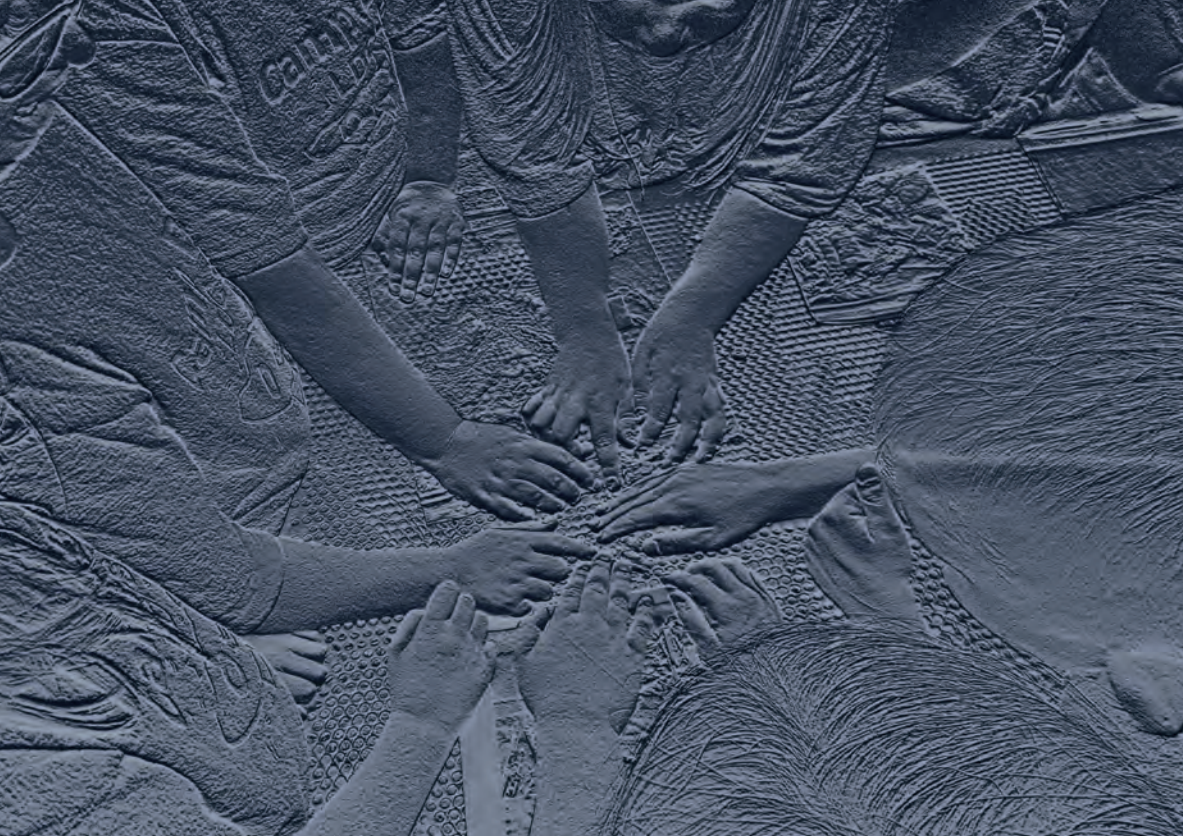
To: Board of Directors
Date: August 4, 2016
From: Rick Battson, Director of Communications
Brian McDougall, General Manager
Subject: Conservation Strategy Discussion Paper

At the June meeting, a strategic plan was distributed along with a questionnaire.

Staff met several times as a group and as individual departments to flesh out this document. It is now at a stage in which we request feedback from our Board of Directors. It is requested that the board members return the questionnaires at the September board meeting. Of course, there will still be opportunities to make comments during the next phase of stakeholder and public input.

The plan, is to distribute this draft strategic plan to municipalities, stakeholders and the public through our website. A report will be provided in November outlining the responses to the plan. It is hoped that a revised plan will then be brought forward at the December meeting for approval.

Recommendation: That the Board of Directors approves distributing the document, "Our Future to Shape – A Way Forward" discussion paper dated June 2016, for comment to municipalities, stakeholders and the public with any modifications, if any, based on feedback from the Board of Directors.



Our Future to Shape – A Way Forward

Discussion Paper



“Working Together For A Healthy Environment”

June, 2016

Introduction

The St. Clair Region Conservation Authority is developing a strategic plan to guide our activities over the next 5 years. Since our inception in 1961, our programs have continued to evolve to reflect changing priorities of our watershed. Over the years, we have developed a culture of “success through partnerships.” We are stronger and can accomplish so much more when we align ourselves with others with similar goals. These partnerships have allowed us to be opportunistic in bringing talent and funding to our region to help us build healthier and more resilient watersheds. This discussion paper was produced to provide a foundation for the development of our NEW Conservation Strategy.

As you read through this discussion paper, you will notice strong connections between programs. Projects that help species at risk can also reduce flooding, and help protect water quality, which in turn enhances recreation opportunities. Watershed management is about looking at the entire watershed in an integrated way and developing programs that feed off each other to improve overall watershed health.

We have developed strong ties with the municipalities we serve. Through a supportive Board of Directors, our programs continue to reflect local needs and priorities. It is imperative, however, that we continue to re-evaluate our programs to ensure they meet the future needs of our watershed and our municipalities.

Our commitment to provide quality customer service, forged in our history, continues to be championed by our Board of Directors and staff. Continuous improvement, innovation, learning, and sharing our knowledge empower our organization and all our partners in building healthy watersheds. Our ability to maintain and enhance our capabilities necessitates that we advance science; engage and connect with conservation partners, watershed residents, and visitors; innovate; and inspire others. We need to continue to evolve as an organization to remain a trusted watershed leader in the community.

This discussion paper presents a vision and mission and a series of four goals. For each goal, a summary of existing programs and suggested future strategic actions are presented to meet the challenges ahead.

Following comments from the Board, this discussion paper will be transformed into a draft strategic plan. A series of questions follows from which your answers will help us move forward with the development of our strategic plan. Your participation is greatly appreciated.

Who Are We?

The St. Clair Region Conservation Authority (SCRCA) was established under the Conservation Authorities Act in 1961 to conserve local renewable natural resources within the watersheds of the region. The SCRCA operates under the direction of a Board of Directors appointed by the municipalities within its jurisdiction.

The jurisdiction of the SCRCA includes the watershed of the Sydenham River and the watersheds of a number of watercourses emptying into Lake Huron, the St. Clair River and Lake St. Clair. The area covers approximately 4,100 km². The St. Clair region includes parts of two counties; Lambton and Middlesex, and the northern portion of the Municipality of Chatham-Kent. We serve 17 municipalities, with a total population of 167,000.

Vision and Mission

Vision

Vision is defined as foresight. The vision of the St. Clair Region Conservation Authority reflects the future desired state of our region.

“A healthy and sustainable natural environment in the St. Clair region.”

Mission

A mission reflects action. In order to achieve our vision, it is necessary to provide leadership, effective management and ongoing communication.

“The St. Clair Region Conservation Authority has as its mission, to provide leadership through coordination of watershed planning, implementation of resource management programs and promotion of conservation awareness, in cooperation with others.”



Goal 1 – Develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion

The SCRCA works in partnership with municipalities to protect life and property through the development and implementation of programs that minimize or prevent the impact of disasters such as flooding and erosion.

What Are We Already Doing?

Flood Warning: The Authority operates a flood warning program designed to warn residents in flood-prone areas. Through a network of 11 stream gauges, 5 snow sampling stations, ice monitoring, and current meteorological data, Authority staff monitor watershed conditions by tracking and updating data on an ongoing basis to scientifically determine short- and long-term trends. Should a flood be imminent, the Municipal Flood Coordinators and the media are advised and officials take appropriate action. In addition to riverine flooding, the Authority issues warnings for damage which may occur from wave action along southern Lake Huron, the St. Clair River, and northeastern Lake St. Clair shorelines.



Municipal Plan Input: The Authority has been delegated the responsibility to represent the provincial interest regarding natural hazards. Natural hazards include floodplains, unstable slopes, shorelines and dynamic beaches. While municipalities encourage valuable development, it is important that new development is located safely out of areas susceptible to potential natural hazards. It is also important that any development that is completed within an area of natural hazard does not endanger adjacent landowners, or other landowners within the system.



Ontario Regulation (O.R. 171/06), Development, Interference with Wetlands and Alterations to Shorelines and Watercourses: To prevent future risk to private landowners and to protect the interests and liability of our member municipalities, O.R. 171/06 requires landowners to obtain permission of the Authority prior to developing within natural hazard areas associated with watercourses and areas susceptible to river or lake shoreline flooding, ravine and shoreline slopes, wetlands, and lands adjacent to wetlands.



Maintenance of Water and Erosion Control Infrastructure: The Authority maintains and operates its flood and erosion control structures. The W. Darcy McKeough Floodway was built to protect the community of Wallaceburg and portions of the former Townships of Chatham and Sombra from severe flooding. Since 1984, the McKeough Floodway has been operated 6 times.



Goal 1 – Develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion

Strategic Actions

Develop a Climate Change Strategy: Impacts of Climate Change are already becoming evident in the St. Clair watersheds with an increasing frequency of severe weather. The SCRCA should develop a strategy that combines existing programs and develops new programs to build more resilient watersheds able to better withstand weather extremes.

Improve Meteorological Data Acquisition: In order to better report and predict flooding due to severe storms, the SCRCA should expand the ability to collect meteorological data.

Improve Regulation Mapping: The SCRCA should continue to create and/or acquire the best available data to define the components that define regulation limits. Because better elevation data is the core of enhanced regulation mapping, the SCRCA should continue to invest in the creation of a high resolution Digital Elevation Model (DEM). This DEM, together with an updated flood model, will allow for the creation of enhanced floodplain mapping. In addition, better elevation data will facilitate more accurate delineation of erosion hazard areas.

Review Operating Criteria for W. Darcy McKeough Floodway: The operating criteria for operation of the floodway is established under law. A review of this criteria are necessary as more data are available over the last three decades, watershed conditions have evolved over time, and climate change has impacted the frequency and severity of events.



Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

Because what we do on land is reflected in our water and ecosystems, the SCRCA develops and implements programs that protect our land resources and promote watershed stewardship practices that lead to healthy, sustainable communities and industries.

What Are We Already Doing?

Reforestation: The SCRCA plants approximately 60,000 trees each year for private and public landowners. Trees are usually planted as windbreaks or for plantations. Local seeds are collected throughout the watershed and supplied to a nursery who will grow local tree stock for planting. Grants are provided to subsidize the cost of planting for the landowner. For a tree planting project to be successful, maintenance of the trees is essential. The Authority offers a service to provide weed control for newly planted seedlings for three years.

Wetland Creation: Through various granting programs, wetland creation is encouraged on private and public lands. The creation of wetlands not only enhances the health of our watersheds but provides benefits to the landowner such as improved flood storage and reduced soil erosion.

Healthy Watersheds/Stewardship: Through various outreach and granting programs, stewardship projects and Best Management Practices are encouraged on private and public lands for the overall benefit of improved water quality and wildlife and aquatic habitat.

Woodlot Management Services: Qualified forestry staff provide woodlot management and marking services to landowners. Proper silviculture techniques and “Good Forest Practices” are encouraged to ensure the long-term health of the woodlot while meeting the needs of the landowner. The SCRCA has been contracted by the County of Lambton to administer its Woodland Conservation Bylaw.

Water Quality Monitoring: The SCRCA works with Ministry of Environment and Climate Change (MOECC) to collect and analyze both surface and ground water samples throughout the region. Using the Provincial Water Quality Monitoring Network (PWQMN) and Provincial Ground Water Monitoring Network (PGMN) the data are shared with many program partners and are used in many ways.



Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

For example, to develop locally focused Watershed Report Cards, Canadian Environmental Sustainability Indicators (CESI) report on:

- State of the Great Lakes
- Multi-Watershed Nutrient Study (MWNS)
- Rural Stormwater Management Model Project

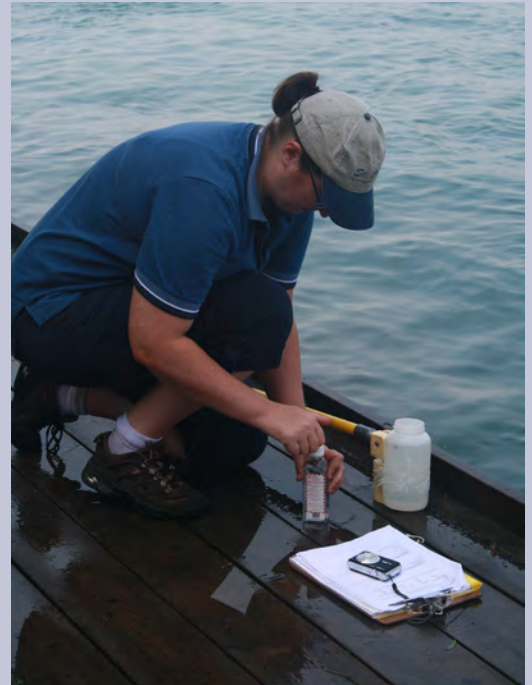
Aquatic Biomonitoring: Aquatic animals such as fish, mussels and benthic macro-invertebrates are used as indicators of the health of local watercourses. The presence or absence of certain pollution sensitive communities can indicate whether or not a river or creek is thriving. This information is collected using provincial and national protocols, and is processed by certified taxonomists. The data are used for watershed reporting, resource management and to target actions to improve and protect habitat conditions.

Ecosystem Recovery Planning: The SCRCA has partnered with organizations to produce Action Plans for ecosystem recovery. Plans exist for the Sydenham River, Lake St. Clair Coastal, and Ausable River - Kettle Point to Pinery. The Sydenham River Recovery Strategy is unique in that it is the first multi-species watershed recovery strategy in Canada. An action plan for Lake Huron Coastal is currently under development.

Reptile Species at Risk: The objective of the Reptiles at Risk Monitoring program is to encourage good stewardship for snakes and turtles in the St. Clair Region. Program activities include tracking occurrences, protecting and improving habitat on Authority and Foundation owned lands, and encouraging local community members to take similar actions.

Wetland Evaluation: The SCRCA works with Ministry of Natural Resources and Forestry (MNRF) to evaluate wetlands within the region. This includes determining the locations and significance of wetlands.

Invasive Species: The SCRCA works in partnership with others to help control the spread of certain invasive species such as Phragmites that threaten local ecosystems.



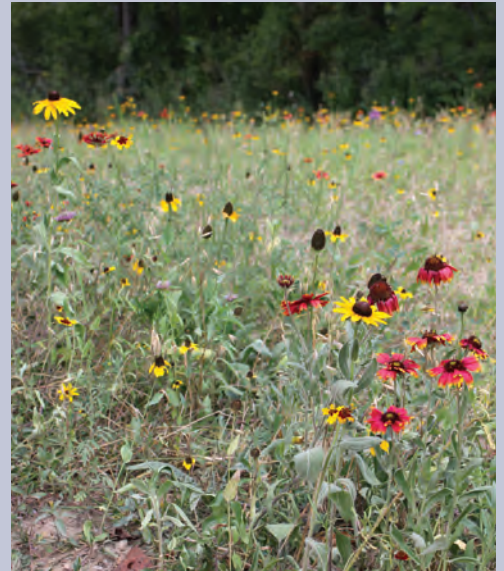
Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

Drinking Water Source Protection: The St. Clair Region, Upper Thames River, and Lower Thames Valley Conservation Authorities have been working together, along with the Thames-Sydenham and Region Source Protection Committee, to develop a Plan to protect municipal sources of drinking water throughout the region. The Plan has now been approved by the province. While municipalities are responsible to implement the Source Protection Plan, the Conservation Authority will continue to support municipalities in the implementation of the local Source Protection Plan on an as requested contractual basis.

St. Clair River Area of Concern: The St. Clair River Area of Concern (AOC) is one of 43 Areas of Concern the International Joint Commission has identified within the Great Lakes basin where there are known environmental problems. In the St. Clair River AOC, local partners, including the SCRCA, are working together to implement Remedial Action Plans and take action so the area can be rehabilitated and removed from the list of Areas of Concern.

Management of Authority Owned Lands: Through the completion of Property Management Plans, the Authority continues to manage its lands to balance revenue production and effective management of woodlands, wetlands and biodiversity.

Municipal Plan Input and Environmental Assessment Processes: Through service agreements, the Authority cooperates with municipalities to provide recommendations regarding development in or next to natural heritage features to comply with the Provincial Policy Statement, Section 2.1. Natural heritage features include wetlands, woodlands, habitat of threatened and endangered species, and other natural areas. It is important that development does not negatively impact these features, or their ecological functions.



Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

Ontario Regulation 171/06, Development, Interference with Wetlands and Alterations to Shorelines and Watercourses:

Through this regulation, development that impacts a provincially significant wetland is subject to a permit which requires that the development does not adversely affect the hydrologic functions of the wetland.

Municipal Drains: The Conservation Authorities (CA) Act gives the responsibility to Conservation Authorities to regulate activities that change, divert, or interfere in any way with the existing channel of a river, creek, stream or watercourse (including municipal drains) or for changing or interfering in any way with a wetland. Through provincial direction, under the Drainage Act & Section 28 Regulations Team (DART) protocol, the SCRCA provides standard compliance requirements for drain maintenance and repair projects for municipalities. The Drainage Act also has statutory provisions which directly engage the Conservation Authority.



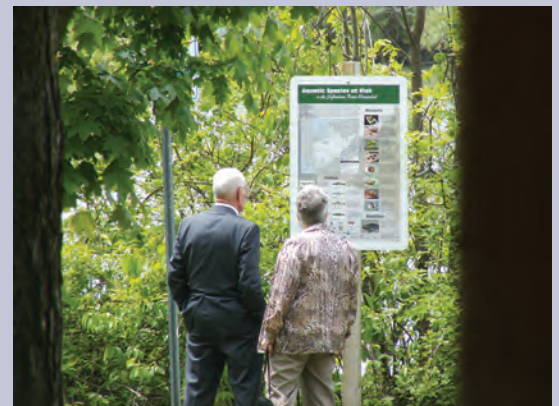
Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

Strategic Actions

Continue to Develop Streamlined/Efficient Processes: It is always our intent to provide responses for permits, standard compliance requirements, and comments to municipalities in a timely manner. Improvements can always be made and we will work with our partners to ensure our responses are thorough and are provided as quickly as possible.

Support Protection of Natural Heritage Systems: Through collaboration with partner organizations, the SCRCA will provide biological and ecological expertise for natural heritage plans, strategies and policies. The responsibility for natural heritage protection falls to municipalities under The Planning Act. The Conservation Authority can provide ecological and biological expertise to support our member municipalities in satisfying provincial policies.

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.



Goal 2 – Protect, manage, and restore our natural systems including woodlands, wetlands, waterways, and lakes

Review Aquatic Monitoring Program: Aquatic monitoring informs resource management decisions relating to drain review, planning, and implementing best management practices.

- The current benthic macro-invertebrate monitoring program involves sampling approximately 15 permanent stations annually. Each sample station is used to estimate the health of an entire subwatershed. Additional or rotating stations will be used to augment the existing data to improve our understanding of the health of each subwatershed.
- Fish surveys are entirely fund/grant driven stations and are selected based on existing opportunities. Long-term stations on key locations on the Sydenham River will be established to better assess trends in watershed health over time.
- The water quality monitoring program tracks concentrations of select parameters. Quantity data will be used in order to estimate loading of certain parameters of interest (e.g. nutrients).

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.



Goal 3 – Provide recreation and education opportunities for the public to enjoy and learn from our natural environment

Through the lands we manage and own, as well as the educational programs we deliver, the SCRCA provides opportunities for our communities to understand and appreciate the value of their natural environment as well as the social and economic benefits of protecting that environment.

What Are We Already Doing?

Conservation Lands: The St. Clair Region Conservation Authority and its Foundation own more than 2,100 hectares of land including beaches along Lake Huron, campgrounds, day use parks, wetlands, forests, floodplains, and farmland. A wide range of recreation activities are available on these lands including swimming, boating, hiking, bird watching, camping, fishing, and hunting.

Community Conservation: The SCRCA engages the community in a number of conservation activities including tree planting, biological monitoring, special events, and education. The Conservation Authority develops educational information such as fact sheets, watershed reports cards, and brochures to engage the public regarding conservation issues. We participate at local events, festivals, and conferences allowing for interaction with landowners. We participate with various groups and associations which provides ongoing dialogue over common issues.

Conservation Education: Over 25 programs have been developed to introduce students to nature and to empower them to make a difference. These programs are designed to create an enthusiasm for our natural heritage which will carry over into the student's adult life. The Authority offers outdoor and in-class programs. Many of the education programs are supported by donations from businesses and organizations.

Community Recognition: The SCRCA recognizes groups and individuals in the community through its Conservation Award and Scholarship programs.

Watershed Report Cards: In order to communicate the environmental state of forest cover and water quality of our watersheds, we develop and distribute watershed report cards.



Goal 3 – Provide recreation and education opportunities for the public to enjoy and learn from our natural environment

Strategic Actions

Develop Comprehensive Social Media Presence: Perhaps the greatest value of social media is the ability to foster and engage with a broader audience. That engagement is at the heart of social media. In addition to responsive communication, we can begin to build relationships with the public beyond those that happen during normal transactions. These relationships are what keep people coming back, increasing both loyalty and retention. If these people become advocates, we can increase our reach and presence in the watershed.



Create Additional Conservation Education Opportunities for High Schools: Specialist High Skills Majors (SHSM) let students focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD). By providing programs that meet the requirements for SHSM designation, the Authority can expand its conservation education program more fully into high schools, reaching this important demographic.



Expand Engagement with our First Nation Neighbours: The SCRCA has been reaching out to our First Nation neighbours by providing education programs, and consulting on programs such as the St. Clair River AOC and Drinking Water Source Protection. This engagement has proved to be productive but has pointed to the need to continue and expand. The SCRCA should develop an Engagement Plan to ensure the sharing of each other's expertise and knowledge to the benefit of the watersheds we share.



Develop Policies to Guide Acquisition of Conservation Lands: The SCRCA works with the St. Clair Region Conservation Foundation in accepting donations of lands that further meet the objectives of the Conservation Authority. An acquisition plan will assist in prioritizing opportunities and provide direction in seeking funding for significant watershed properties.



Update Property Management Plans: With changing expectations and trends in outdoor recreation, Authority, Foundation, and other Property Management Plans will be updated and will include issues such as accessibility, natural heritage protection balanced with outdoor recreation opportunities, and financial sustainability.

Goal 4 – Build a stronger and more valued organization through business excellence

The St. Clair Region Conservation Authority has been a leader in developing a comprehensive conservation program in a fiscally responsible manner. On an ongoing basis, Authority staff work to find funds to undertake the proposed projects and to take advantage of funding opportunities that arise. Efforts to find alternative sources of funds have helped the SCRCA maintain one of the lowest municipal levy levels amongst the 36 Conservation Authorities. The SCRCA has been able to be successful due to a supportive Board of Directors and dedicated staff. The following strategic actions are designed to build upon these strengths.

Strategic Actions

Corporate Excellence and Sustainability:

- Continue to operate in an efficient and financially sound manner, providing excellent client service and delivery of programs and services and strive to maintain our positive image in the community.
- Continue to explore opportunities to reduce duplication, streamline approval processes, and build business excellence.
- Develop and implement a sustainable funding model that aligns with our customer service objectives and our strategic plan. The sustainable funding model will incorporate self-generated revenue and service fees, maximized efficiencies and cost control measures, appropriate provincial transfer payments and municipal levies.
- Continue to be innovative and thorough in seeking funds from supporting organizations to support the strategic actions outlined in this document.
- Continue to seek funding opportunities that can support our municipalities in undertaking projects that improve our watersheds. Annually approved project-specific grant funds must also be separately identified in the funding model but included in overall revenue streams.
- Capital assets will be managed for long-term sustainability.

Implement Strategic Succession Planning Process: To ensure a continuity of services as staff retire or leave the organization, it is important that a plan is in place to replace or redistribute duties and responsibilities.

Promote a Culture of Continual Learning: To ensure that staff and board members are able to effectively carry out their responsibilities and can grow in their roles, educational opportunities need to be explored and utilized.

