



Board of Directors *Notice of Meeting*

September 18th - 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) Alternative Sources of Natural Gas and Electricity
5. Chair & Conservation Ontario Report
 - (i) CO June 23, 2014 minutes
6. Business Arising from last meeting
7. Communications Reports
 - (i) Communications, Conservation Education, Coming Events & Scholarship Reports
8. Water Resources Reports
 - (i) Current Watershed Conditions
 - (ii) WECI Projects
9. Biology Reports
 - (i) Municipal Drain Review
 - (ii) Healthy Watershed Programs
 - (iii) Fish & Mussel Surveys
 - (iv) Reptiles at Risk
10. Conservation Services Report
 - (i) Spring Tree Planting Report
 - (ii) West Nile Virus – Lambton County Mosquito Control Program
11. Planning & Research Reports
 - (i) Regulations Committee Report
 - (ii) Monthly Planning Activity Summary Report
 - (iii) DART Activities
 - (iv) SWOOP Report
 - (v) St. Clair River AOC
 - (vi) Planning Advisory Services Memorandum of Agreement

12. Finance Reports
 - (i) Revenue & Expenditure Report
 - (ii) June, July Disbursements
 - (iii) 2014 General Levy Update
 - (iv) 2015 Preliminary Forecast Budget
 - (v) Joint Health & Safety Minutes
 - (vi) Health & Safety Manual Update
 - (vii) Investment Policy Statement
 - (viii) Accessibility Improvements
 - (ix) 2015 Preliminary Fees
13. Conservation Area Reports
 - (i) Conservation Areas Update
 - (ii) Draft Agreement McLean Property Agreement
14. Source Protection
15. New Business
16. 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 16, if you are unable to attend.

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 26, 2014, be approved as distributed.
- 4.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the General Manager's report, dated September 3, 2014.
- 4.(ii) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report, dated September 3, 2014 regarding alternative sources of natural gas and electricity and supports the transition of energy supply subject to available comparables and positive references.
- 5.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the minutes of the June 23, 2014 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 26, 2014 meeting.
- 7.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the Communications Report, dated August 30, 2014, including information regarding Conservation Education, Coming Events and Conservation Scholarships.
- 8.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the report dated September 4, 2014, 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 September 4, 2014 on the ongoing Water and Erosion Control Infrastructure projects across the watershed including the confirmation of funding for projects previously left unfunded.
- 9.(i) Moved by: _____ Seconded by: _____
That the Board of Directors acknowledges the status report dated September 2, 2014, summarizing Municipal Drain Review activities, and continuing funding opportunities for drain enhancement activities in the St. Clair River AOC.

- 12.(vii) Moved by: Seconded by:
That the Board of Directors acknowledges the Investment Policy Statement, dated September 2014 for discussion.
- 12.(viii) Moved by: Seconded by:
That the Board of Directors acknowledges the report dated September 5, 2014 regarding the status of the accessibility improvements and renovations to the Authority's Administrative offices.
- 12.(ix) Moved by: Seconded by:
That the Board of Directors acknowledges the Draft 2015 fees to assist municipalities with their budget deliberations.
- 13.(i) Moved by: Seconded by:
That the Board of Directors acknowledges the Conservation Lands Update, dated August 25, 2014 on Conservation Areas, McKeough and Lambton County Lands including capital improvements, trail development and camping trends in 2014.
- 13.(ii) Moved by: Seconded by:
That the Board of Directors acknowledges the draft agreement between the Authority and the St. Clair Region Conservation Foundation regarding maintenance of the Keith McLean Conservation Lands, and further supports the signing of the agreement and the forwarding of the agreement to the Board of Directors of the Foundation for their review and endorsement.
- 14.(i) Moved by: Seconded by:
That the Board of Directors acknowledges the status report date August 22, 2014 regarding the Source Water Protection Assessment Report updates and plans for partner and public consultation in preparation for submission of the revised Source Protection Plan in December.
16. Moved by: Seconded by:
That the meeting be adjourned.

General Manager's Report 4.(i)



To: Board of Directors
Date: September 3, 2014
From: Brian McDougall, General Manager

Keith McLean Conservation Lands

- ☞ this week or early next week, the St. Clair Region Conservation Foundation will finally begin to see some progress with regards to Keith McLean's estate
- ☞ documents were executed this week to have the property transferred into the Foundation's name
- ☞ a portion of the financial settlement of the estate will be provided to the Foundation next week in the amount of \$1 million
- ☞ the Estate has maintained a holdback that it expected to more than cover any remaining costs and tax issues
- ☞ the balance of this holdback will be provided to the Foundation upon final approval from the Canada Revenue Agency



Operating Grants Received

- although delayed by the Provincial election, the Authority received it's annual transfer payment from the Province in the order of \$310,003.00 in late August
- the transfer payments support flood and erosion control maintenance, flood forecasting and warning, planning and administrative functions
- This transfer payment is the basis for the matching levy contributed by all member municipalities

Corporate Compensation Strategy Review

- the Corporate Compensation Strategy recommends a review of the overall compensation plan every 5 years to ensure market competitiveness
- we are fortunate that two other Authorities, both of which are good comparators to the SCRCA, are undertaking in depth reviews in 2014
- these two reviews are expected to be completed this month and will be provided to the Authority to assist in undertaking our own comparison which will also include local and regional comparators
- the General Manager and Director of Finance will review the 2010 Compensation Plan, compare the collected updated information and will provide a report at the November 2014 Board Meeting for review and potential implementation in 2015

5. Meeting Minutes

1 2 3 4 5
Comments:

6. Board Meeting Summaries (mailed to yourselves and municipalities following the board meeting - intended as a tool to update your municipal council)

1 2 3 4 5
Comments:

7. Annual Report

1 2 3 4 5
Comments:

8. Conservation Update (newsletter sent to update you for months between board meetings)

1 2 3 4 5
Comments:

9. Annual Conservation Authority's Tour Have you attended a tour? Yes_____ No_____

1 2 3 4 5
Comments:

10. Would you like to see a bus tour offered in 2015? Yes_____ No _____

11. Staff availability to answer questions

1 2 3 4 5
Comments:

12. SCRCA Website Have you visited the website? Yes _____ No _____

1 2 3 4 5
Comments:

Additional Comments:

Status Report

4.(ii)



To: Board of Directors
Date: September 3, 2014
From: Brian McDougall, General Manager
Re: Alternative Energy Supplies

- with ever increasing costs, Authority staff are constantly looking for opportunities to control costs with the objective of controlling increases in fees and levies
- energy costs are expected to climb significantly over the next 5 years
- when you combine all our electricity usage, we are a moderate volume user and we wanted to investigate any potential savings due to that usage
- Canadian Energy Wholesale (CEW) provides an alternative to our current supplies of electricity and natural gas
- CEW has been supplying energy to moderate and large volume users in and around Toronto for over 30 years
- CEW has provided a quotation (attached) which could see a savings of over \$32,000 over a 5 year period
- references have been requested to establish long term viability, customer service and confirmation of savings and no hidden fees
- comparables will be sought to determine if there are other options to achieve this type of savings



Important Information Regarding Your Reduced Gas and Electricity Rates

Gas and electricity pricing is moving upwards quite drastically with rates climbing daily. **Canadian Energy Wholesale (CEW)** works directly with producers providing small and mid-size businesses **wholesale rates that are typically only available to the large market.**

DID YOU KNOW?

Union Gas has increased its rate to 22.5862 cents per m3 and the experts are projecting a 30 to 40 cent gas increase over the next 6 to 7 years.

There are several reasons the price of gas is projected to skyrocket, including:

- ▶ **Severe weather temperatures and storage levels at a 20 year low.** Gas storage has not been this low since 2003 where gas ran up to 40 to 50 cents per m3 and remained high for 7 years. **Large producers don't drill for less than 24 cents per m3.**
- ▶ **Increased US manufacturing** - factory growth hit fastest pace in 2.5 years.
- ▶ **Natural gas is the first choice for new power generation** - all coal plants in Ontario have been taken offline and replaced with natural gas. 71 coal plants in the US have been mandated to be replaced with gas over next few years.
- ▶ **Call for ban on fracking.** Alberta farmers who live near fracking drill sites can light their tap water on fire because it's so contaminated with methane.
- ▶ **LNG (liquid natural gas) exports** to Japan China and Mexico starting 20-year supply contracts this January.

Electricity prices have also been mandated by the provincial government to increase 7.9% per year for the next 5 years and 3.5% over the next 20 years.

Here's why:

- ▶ Gas-fired generation makes for more expensive electricity.
- ▶ New York paying 17 to 20 cents per kWh is driving prices up.
- ▶ Current 32 billion dollar debt from Ontario Hydro's artificially low rates. Billions needed for maintenance on existing infrastructure.

ENJOY LOWER RATES WITH NO BALANCING CHARGES OR HIDDEN FEES

Additionally, **all billing and service remains the same through your local utility company.** CEW secures only the commodity portion on the bill for your wholesale pricing.

All of the above mentioned factors are contributing to an **upward trend in natural gas and electricity prices,** suggesting that locking in natural gas and electricity prices at a preferred fixed rate would provide **price protection and peace of mind.**

Energy Solutions for a **Greener Tomorrow**



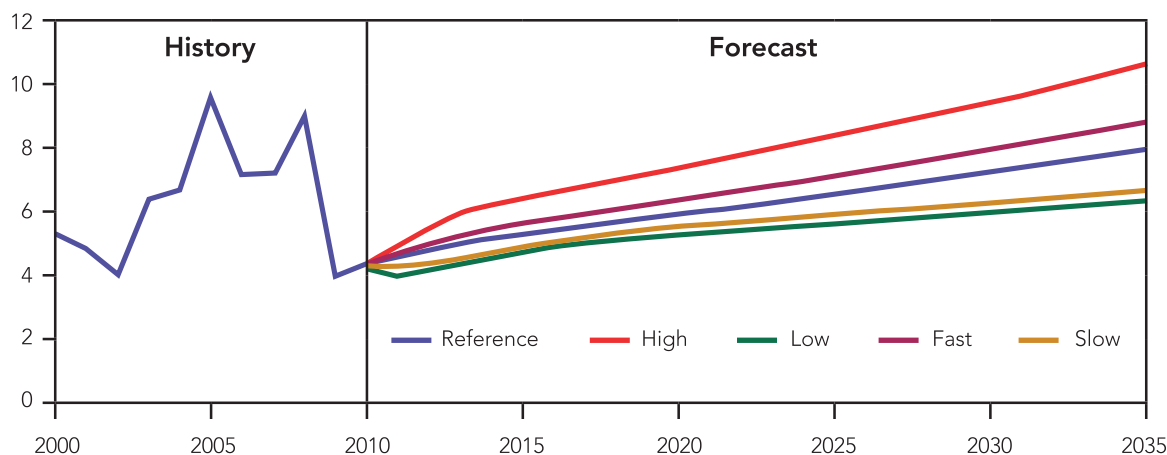
National Energy Board

Natural Gas Prices

The Henry Hub price of natural gas in the Reference Case is assumed to **increase from US\$4.50/MMBtu in 2011 to US\$8.00/MMBtu in 2035** (in U.S. 2010 dollars) (Figure 1). The increase in the real price reflects growing demand for natural gas in North America and gradually increasing costs of discovering and producing the gas.

Figure 1 - Henry Hub Natural Gas Price at Louisiana, All Cases

2010 US\$ per MMBtu



Historically, the price of natural gas tended to move in relation to the oil price, with natural gas trading at a small discount to an energy equivalency-ratio of **6:1** (oil prices in US\$/bbl relative to gas prices in US\$/MMBtu). This ratio has increased in the past several years to **18:1** in 2010. This is due to the large new natural gas production potential brought about by increased utilization of multi-stage hydraulic fracturing technology combined with few opportunities to switch between petroleum-based fuels and natural gas. In the Reference Case, the ratio slowly declines to just over **14:1 by 2035** based on the oil and gas price projections. With considerable uncertainty surrounding the crude oil and natural gas price relationship, price projections for oil and natural gas were developed independently.

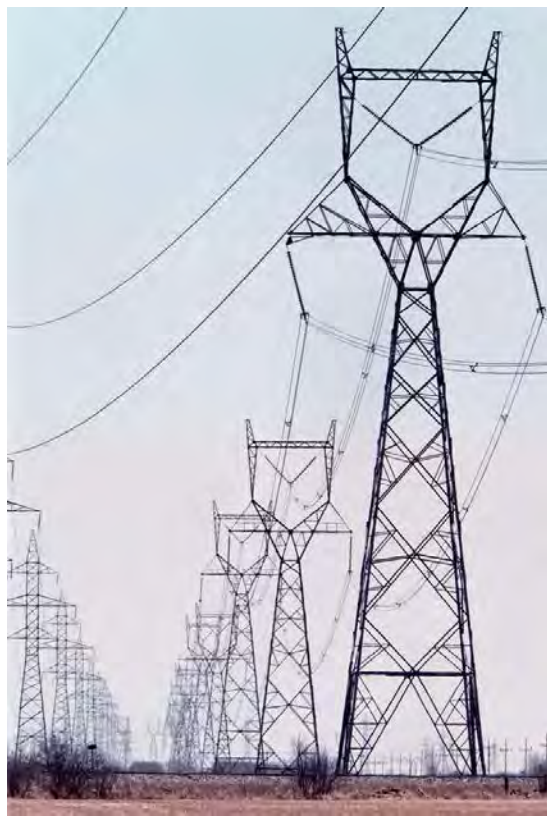
In the Low Case, the natural gas price is assumed to reach **US\$6.40/MMBtu by 2035** and **US\$10.70/MMBtu in the High Case**.

Unlike oil prices, which are determined in a global market, the Henry Hub natural gas price is primarily determined on a continental basis, as the North American market lacks significant links to global natural gas markets. The impact of North American economic growth on the natural gas price is larger than on the oil price. As a result, the natural gas price varies more widely than the oil price from the Reference Case in the Fast and Slow Cases, reaching **US\$8.90/MMBtu and US\$6.75/MMBtu, respectively, by 2035**.

Ontario hydro bills to rise 42% in 5 years

BY ANTONELLA ARTUSO ,QUEEN'S PARK BUREAU CHIEF

FIRST POSTED: MONDAY, DECEMBER 02, 2013 01:43 PM EST | UPDATED: MONDAY, DECEMBER 02, 2013 03:47 PM EST



(Toronto Sun files)

TORONTO - Ontario hydro bills are headed up, up, up.

The Liberal government's new long-term energy plan shows that the average monthly residential bill of \$125 will rise to \$178 within five years — a 42% increase.

Hydro bills are expected to dip slightly in 2019 to \$177 a month, and then rise again until 2022 when they'll hit \$193 a month.

A second decrease in prices is forecast for 2023-24 and then the trend for prices is onward and upward for the foreseeable future.

It could have been worse.

A decision to defer or cancel new nuclear construction, coupled with a few other initiatives to contain costs, shaved \$13 off what the monthly bill would have been in 2018 if the Ontario government had implemented the last version of its long-term energy plan.

The new plan will save hydro ratepayers \$3,800 between 2013-2030, the government says.

Premier Kathleen Wynne signalled that she'll consider income testing for the Ontario Clean Energy Benefit (OECB), which currently takes 10% off the top of all hydro bills, and that could decrease some people's bills past 2015.

The OECB is currently on track to end by 2016.

Energy Minister Bob Chiarelli said his government faced an “energy deficit” when it took over from the Progressive Conservatives in 2003, and needed to spend \$32 billion to improve transmission and distribution networks and in new cleaner generation.

“We had a lot of damage control to do so we had to invest in the system,” Chiarelli said.

The plan confirms that Ontario will not build new nuclear reactors but intends to go ahead with refurbishment of the Bruce and Darlington generating stations, starting in 2016.

Coal-fired generation of electricity is on schedule to be phased out at the end of this year, the report says.

Ontario expects to have half of its energy generated by renewable sources, such as wind and solar, by 2025 but will phase them in over a longer period than anticipated in the 2010 plan..

“For Ontarians paying the highest electricity bills in the country, the latest promises from the Liberal government of some relief on the hydro bills ring pretty hollow,” Horwath said. “Why should consumers believe the government has now got a plan when they haven’t stuck to any of the other long-term energy plans they’ve developed over a decade in office?”

Wynne said her government is taking a balanced approach to energy needs based on what was heard from First Nation and Métis communities, energy stakeholders, municipalities and consumers.

“Since 2003, what we have done is we have modernized an electricity system that was severely out of date, that needed investment, that needed upgrading,” Wynne said.

Typical Family’s Monthly Hydro Bill 2013 - \$125

2014 - \$137

2015 - \$145

2016 - \$167

2017 - \$170

2018 - \$178

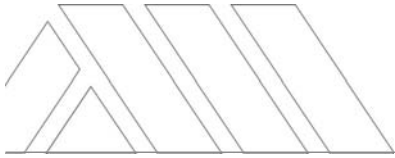
2019 - \$177

2020 - \$181

2025 - \$194

2030 - \$205

(Source: Ontario Long-Term Energy Plan. 2013)



NATIONAL FLOODPLAIN MANAGEMENT FRAMEWORK

Public Safety Canada

June 2014



OUTLINE OF PRESENTATION

- ▶ Project Objective
- ▶ Project Rationale
- ▶ Key study tasks
- ▶ Findings and Recommendations
- ▶ Next Steps



PROJECT OBJECTIVE

To establish a National Floodplain Management Framework that will serve as a guiding document in managing and reducing flood risk across Canada through the development of state-of-the-art flood risk mapping.

- ▶ Review of International and Provincial Best Practices
- ▶ Assess state of Mapping across Canada
- ▶ Recommend Standards Framework
- ▶ Identify implementation requirements including cost





PROJECT RATIONALE

- ▶ Notable increase in flooding in the past decade with annual damages exceeding \$1 billion
- ▶ No national initiative since completion of FDRP in 1995
- ▶ Public Safety Canada is the lead federal agency responsible for national disaster mitigation
- ▶ There is no overland flood insurance program in Canada



RECOMMENDING FUNDAMENTAL CHANGES

- ▶ Continue to develop Flood Hazard Maps
- ▶ Will be supplemented by a Flood Risk Data Base and Flood Risk Mapping
- ▶ Nationally coordinated data base that is accessible

Will lead to:

- ▶ Reduction flood risk
- ▶ Availability of flood insurance



GUIDING PRINCIPLES

- ▶ **Technical Accuracy**
- ▶ Effective in assessing and Managing Risk
- ▶ Accessible to the User
- ▶ Information is Current

INTERNATIONAL BEST PRACTICES

What can we learn from practices in other countries, most specifically:

- ▶ United Kingdom
- ▶ EU: France, Switzerland, Germany
- ▶ United States
- ▶ Australia
- ▶ New Zealand

INTERNATIONAL BEST PRACTICES

Key Findings

- ▶ Importance of integrating mapping and flood risk data
- ▶ Mapping of more severe events (i.e. up to 1:1,000 year flood)
- ▶ Importance of a national mandate
- ▶ Consideration of climate change
- ▶ On-line accessibility

VARIATIONS ACROSS CANADA

Differences:

- ▶ Regulatory events
- ▶ Governance models
- ▶ Approach to building in flood plains including SPAs
- ▶ Challenges

OPINIONS OF PROVINCIAL EXPERTS

Technical Accuracy

- ▶ Recognize high degree of uncertainty in all steps leading to flood estimation
- ▶ Install more streamflow gauges
- ▶ Develop more formal procedures
- ▶ Stress the importance on calibration and verifications



OPINIONS OF PROVINCIAL EXPERTS

Effectiveness in Assessing and Managing Risk

- ▶ Require a National Vision
- ▶ Move beyond hazard mapping to consider risk
- ▶ Map more rivers
- ▶ Acknowledge that 1:100-year event is not sufficient
- ▶ Address governance and capacity limitations



OPINIONS OF PROVINCIAL EXPERTS

Accessibility to the User

- ▶ Public should have better access to flood risk information



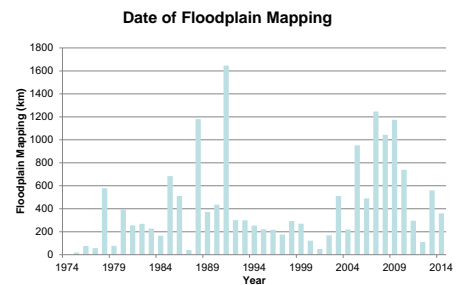
OPINIONS OF PROVINCIAL EXPERTS

Current

- ▶ Across Canada there is a need for updated mapping



STATUS OF MAPPING ACROSS CANADA



STATUS OF MAPPING ACROSS CANADA

TABLE 1: AGE OF EXISTING MAPPING

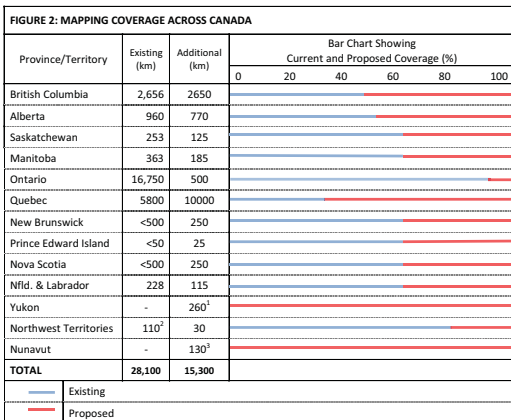
Period	Total (%)	Percentile	Year Completed
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1980-1989	24	50	1996
1990-1999	22	75	2006
2000-2009	39		
2010-2013	8		
TOTAL (km)	28,100		

STATUS OF MAPPING ACROSS CANADA

TABLE 2: MAPPING SUMMARY

	Total Length (km)	Urban (km)	Rural (km)	Urban (%)	Median age
British Columbia	2,656	369	2,286	14	1989
Alberta	960	472	488	49	2007
Saskatchewan	253	98	155	39	1989
Manitoba	363	126	237	35	1993
Ontario	16,675	4,500	12,175	27	2002
Quebec	5,800	4,345	1,450	75	2003
New Brunswick	<500	132	368	26	1992
Prince Edward Island	<50	25	25	50	--
Nova Scotia	<500	132	368	26	1980
Newfoundland and Labrador	228	60	168	26	1990
Yukon	-	--	--	--	--
Northwest Territories	110	--	110 ¹	--	1986
Nunavut	-	-	-	--	--
CANADA	28,100	10,300	17,800	35%	1996

FIGURE 2: MAPPING COVERAGE ACROSS CANADA



FRAMEWORK SCOPE

Framework Scope:	
Guidelines	Identifies purpose and general content
Performance Standards	Identifies key standards that help define risk
Technical Standards	Recommends proposed standards that contribute to accuracy
Initiatives	Identifies purpose and general content

GUIDELINE DOCUMENTS

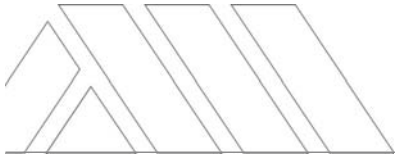
- ▶ Base Mapping and Field Survey
- ▶ Hydrology
- ▶ Hydraulic Analysis
- ▶ Coastal and Shoreline Flooding
- ▶ Policy Framework
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- ▶ Geo-referenced Database and National Portal

SAMPLE STANDARDS

- ▶ **Base Mapping**
 - ▶ Vertical accuracy of 0.15 m
- ▶ **Hydrology**
 - ▶ Estimate flow rated for 1:2 to 1:1,000 years
- ▶ **Policy Framework**
 - ▶ Minimum Regulatory event should be 1:350 year event
 - ▶ Minimum Floodway return period should be 1:50 year event

NEXT STEPS

- ▶ **Money**
- ▶ Complete a National Risk Assessment to help establish mapping priorities
- ▶ Develop Guidelines and refine the Technical Standards
- ▶ Develop Framework for the Flood Risk Database
- ▶ Determine the delivery model for preparing mapping and the data base
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RECOMMENDING FUNDAMENTAL CHANGES

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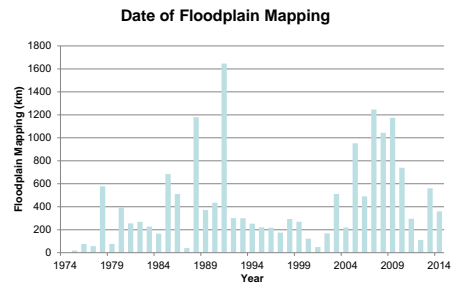


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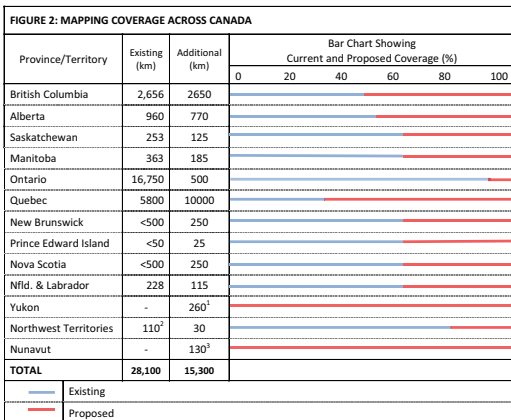
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GUIDELINE DOCUMENTS

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Staff Report

6.(i)



To: Board of Directors
Date: September 3, 2014
From: Marlene Dorrestyn
Subject: Business Arising from June 26, 2014 meeting

- send planning services fees to all municipalities as soon as possible so they can incorporate the information into their 2015 budgets – *to be sent after today's meeting.*
- corrected 2013 Directors' per diem and mileage – *attached.*

REVISED - SEPT. 3, 2014

6.(i)
D. Brodie
10-Jun-14

2013 Chair & Director's Per Diem and Mileage to Dec. 31, 2013

<u>Director's Name</u>	<u>Honourarium</u>	<u>Per Diem</u>	<u>Mileage</u>	<u>Total</u>
Arnold, Steve	\$ 3,550.00	\$ 1,125.00	\$ 1,364.33	\$ 6,039.33
Bilton, Bill		\$ 450.00	\$ 434.50	\$ 884.50
Boushy, David		\$ 450.00	\$ 377.30	\$ 827.30
Brown, Tim		\$ 150.00	\$ 135.30	\$ 285.30
Bruinink, Tony		\$ 450.00	\$ 152.35	\$ 602.35
Burrell, Terry	\$ 1,675.00	\$ 525.00	\$ 595.76	\$ 2,795.76
Davis Dagg, Elizabeth		\$ 375.00	\$ 167.20	\$ 542.20
Gillis, Ann Marie		\$ 375.00	\$ 267.00	\$ 642.00
Giffen, Norm		\$ 600.00	\$ -	\$ 600.00
Glen, Rod		\$ 300.00	\$ 55.00	\$ 355.00
MacKenzie, Larry		\$ 450.00	\$ 363.55	\$ 813.55
Marriott, Kevin		\$ 375.00	\$ 301.40	\$ 676.40
MacKinnon, Betty Ann		\$ 375.00	\$ 151.25	\$ 526.25
McCallum, Don		\$ 450.00	\$ 271.70	\$ 721.70
McEwen, Netty		\$ 450.00	\$ 374.00	\$ 824.00
Miller, Steven		\$ 600.00	\$ 618.20	\$ 1,218.20
Nemcek, Frank		\$ 375.00	\$ 231.55	\$ 606.55
Phay, Ben		\$ 375.00	\$ 198.00	\$ 573.00
Totals -	\$ 5,225.00	\$ 8,250.00	\$ 6,058.39	\$ 19,533.39

Staff Report

7.(i)



To: Board of Directors
Date: August 13, 2014
From: Rick Battson
Subject: Communications Progress Report

Conservation Education

With the Conservation Education Program about to launch into its season, a promotional flyer was produced highlighting the numerous programs available to students. The flyers were distributed to each teacher in the region highlighting the 23 outdoor and 6 in-classroom programs offered that are free of charge as the costs for these programs are covered by sponsors.

Conservation Scholarships

The five scholarships approved at the June meeting were presented in July by Steve Arnold. The students (and parents) were all very appreciative.

Union Gas Supports Keith McLean Conservation Lands

Union Gas donated \$1,000 and supplied volunteer labour to plant 30 Carolinian Trees at the McLean's Conservation Lands near Rondeau Bay through the Helping Hands In Action Program.



Coming Events

McKenzie and Blundy Memorial Forest Dedication: Wawanosh Wetlands Conservation Area, September 21, 2:00 pm – Greetings will be provided by Steve Arnold

A Geocaching Adventure: Lorne C. Henderson Conservation Area, Sunday, September 21, 9:00 a.m. – 3:00 p.m.

St. Clair Region Conservation Foundation Memorial Forest Dedication: Lorne C. Henderson Conservation Area, September 28, 2:00 pm – Speakers – Duncan Skinner, president, St. Clair Region Conservation Foundation and Terry Burrell.

Staff Report

To: SCRCA Board of Directors
 Date: September 4, 2014
 From: Steve Clark, Water Resources Specialist
 Subject: Current Watershed Conditions

8.(i)



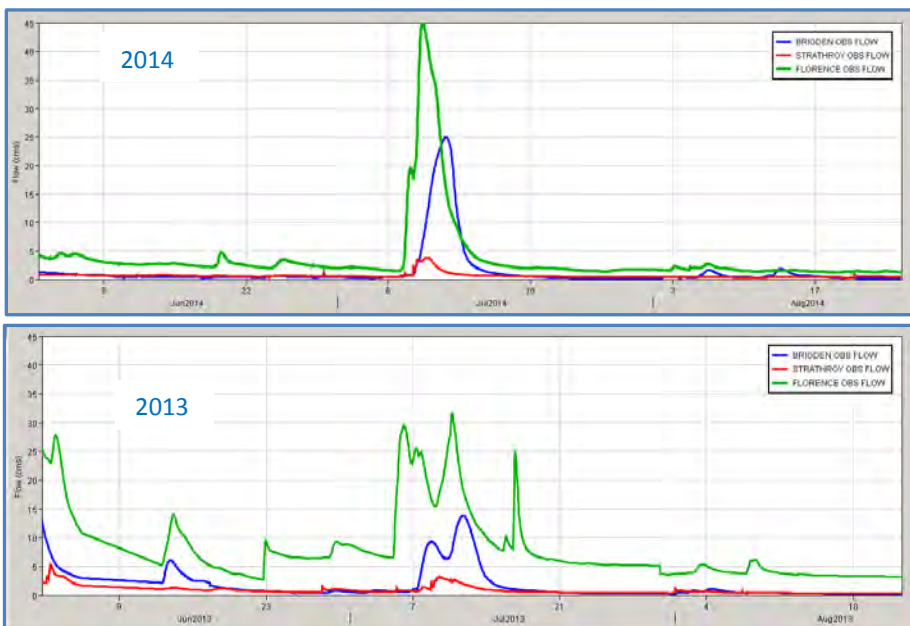
Highlights:

- Seasonal water levels across the watershed
- Above average precipitation with no significant storm impact through the summer months
- Lake levels significantly improved over 2013

Watershed Precipitation and Streamflow Conditions

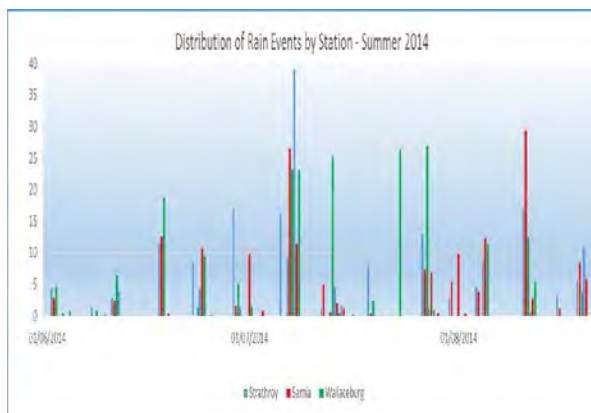
Seasonal flows stabilized into the summer months with only one significant event in the early part of July. By comparison (fig 1) with 2013 there were average flows throughout the watershed with an even distribution of rain events over the reported period.

Fig 1. Station Flow Comparison – (June - August 2014 vs. 2013)



This resulted generally a lower impact on water levels in 2014 over the period compared to last year when there was a greater number and intensity of weather systems and rainfall events in 2013. Rain was distributed evenly over the period (fig 2) however Sarnia received only 81% of the normal while Strathroy received additional rain with 108.5% and Windsor and south central areas of the watershed were wetter than normal (fig 3). Subsequently, regional three month averages remain 8% higher while six month numbers remain down due to a relatively dry March this year.

Fig 2. Distribution of rain events (Source: SCRCA Data)



Overall the twelve month precipitation amounts remained very close to the average at 100.5%.

Fig 3. Regional Precipitation (Source: Environment Canada)

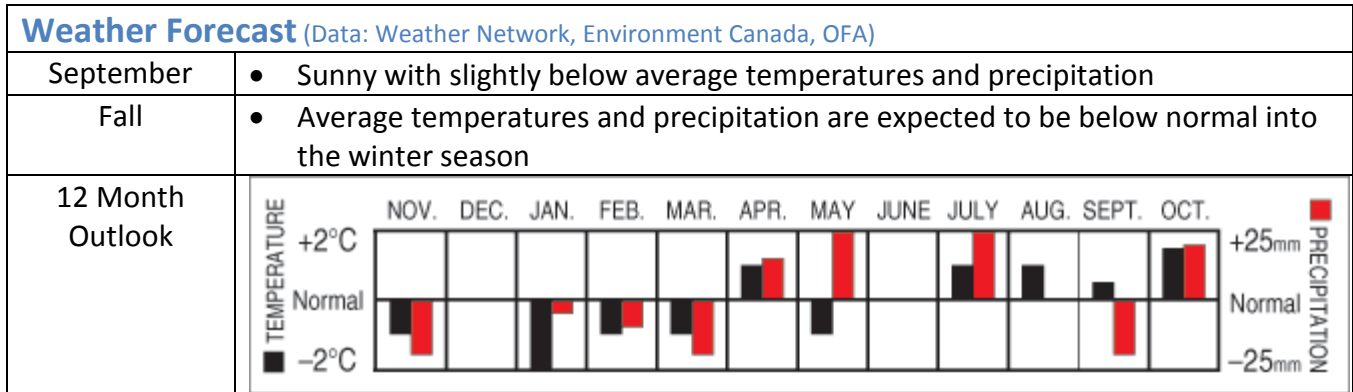
Precipitation (mm)	Sarnia		Strathroy		London		Windsor	
Last Quarter	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal
Aug	75.4	74.1	98.2	71.7	65.3	82.2	86	81.8
July	33.8	85.5	55.6	74.5	114.7	86.8	111.4	89.8
June	77.3	69.9	85.2	74	81.3	82.9	159.8	80.8
Averages								
last 3 month totals	186.5	229.5	239	220.2	261.3	251.9	357.2	252.4
last 3 month % of normal	81.3%		108.5%		103.7%		141.5%	
regional average	108.8%							
last 6 month totals	323.1	444.6	405.7	461.2	404	497.8	600.2	492.2
last 6 month % of normal	72.7%		88.0%		81.2%		121.9%	
regional average	90.9%							
last 12 month totals	825.7	846.8	986.7	945.1	889.1	987	1010.2	918.4
last 12 month % of normal	97.5%		104.4%		90.1%		110.0%	
regional average	100.5%							

Flood Threat

With the trend toward seasonal flows throughout the summer months there were no significant rain events with the exception of an event in July mostly in the Strathroy and upper watershed areas that increased flows downstream for approximately one week. During the remaining periods watercourses continued to have sufficient capacity to handle the average 20 to 30mm rain events which lasted a few days moving runoff into the watercourses and lowering the chance any significant impact. The trend in the past few years has been that many events tend to develop in smaller pockets or thunderstorm cells which are often not evenly distributed across the region resulting in impact on flows in smaller sections of the system. This pattern however has not been as evident in our watershed this year but there remains the risk of potential sudden localized overbank conditions when intense rainfall cells develop unexpectedly as has been the case in recent years. **No** flood advisories have been issued since May 16th.

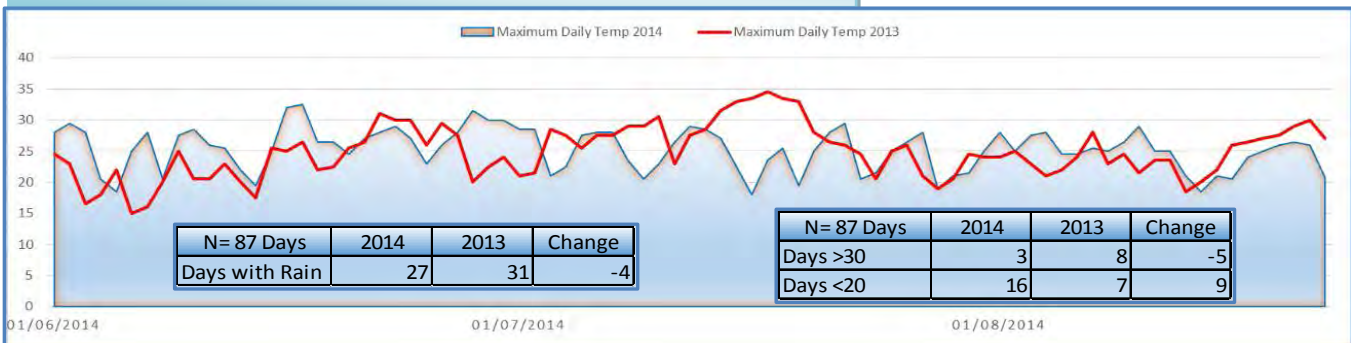
These changing conditions are carefully monitored to assess potential localized flood situations as we move into summer. **Advisories will continue to be provided as watershed conditions dictate.**

Fig 4. Precipitation Distribution– Year to Date 2014 (Source: Environment Canada)



A comparison of conditions 2013 to 2014 indicated notably cooler temperatures through the summer where maximum daily temperatures tended to be lower across the region especially in July (fig 5) although there was no significant deviation year over year in June and August. The general perception was of a cooler summer period overall and this is evident with only three days above 30 C and sixteen days below 20 C in 2014 compared with eight and seven days in 2013 respectively. The number of actual days with precipitation was however very similar during the same period in 2013.

Fig 5. Maximum Daily Temperatures– 2013/2014 (Source: Environment Canada)



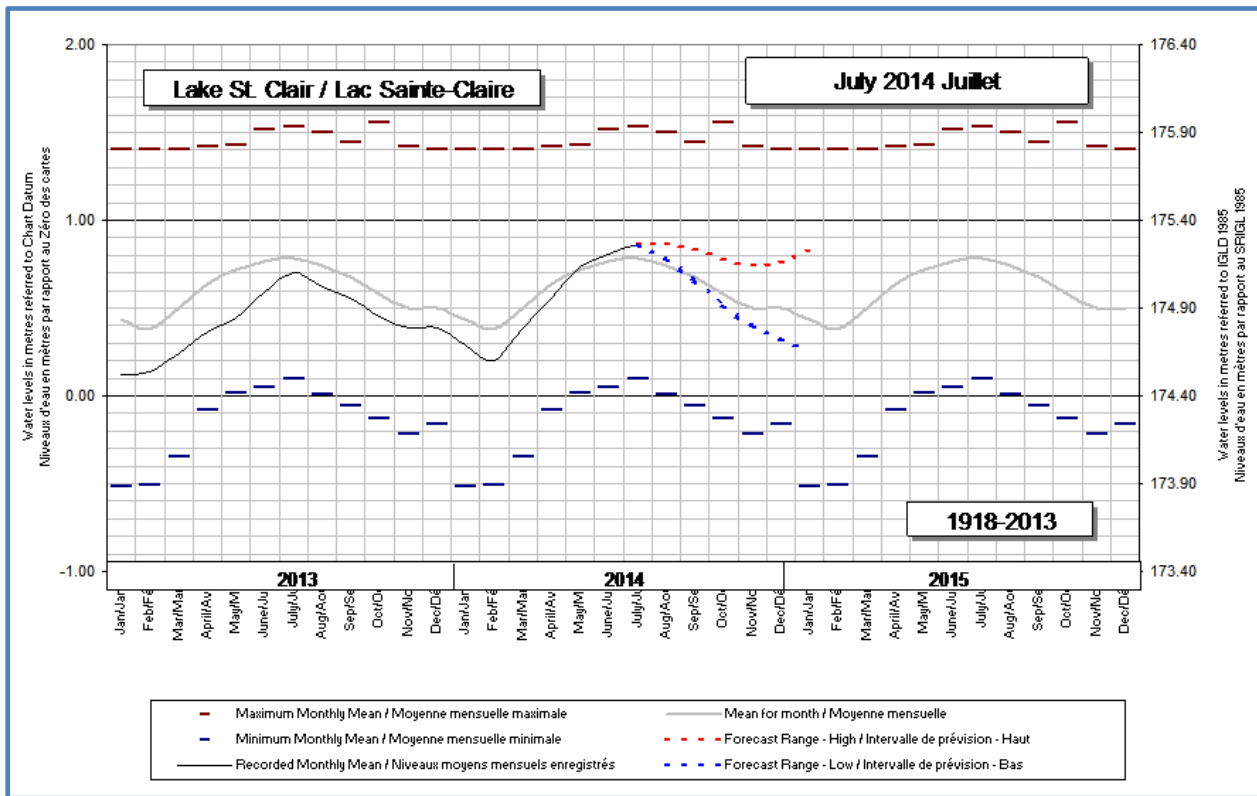
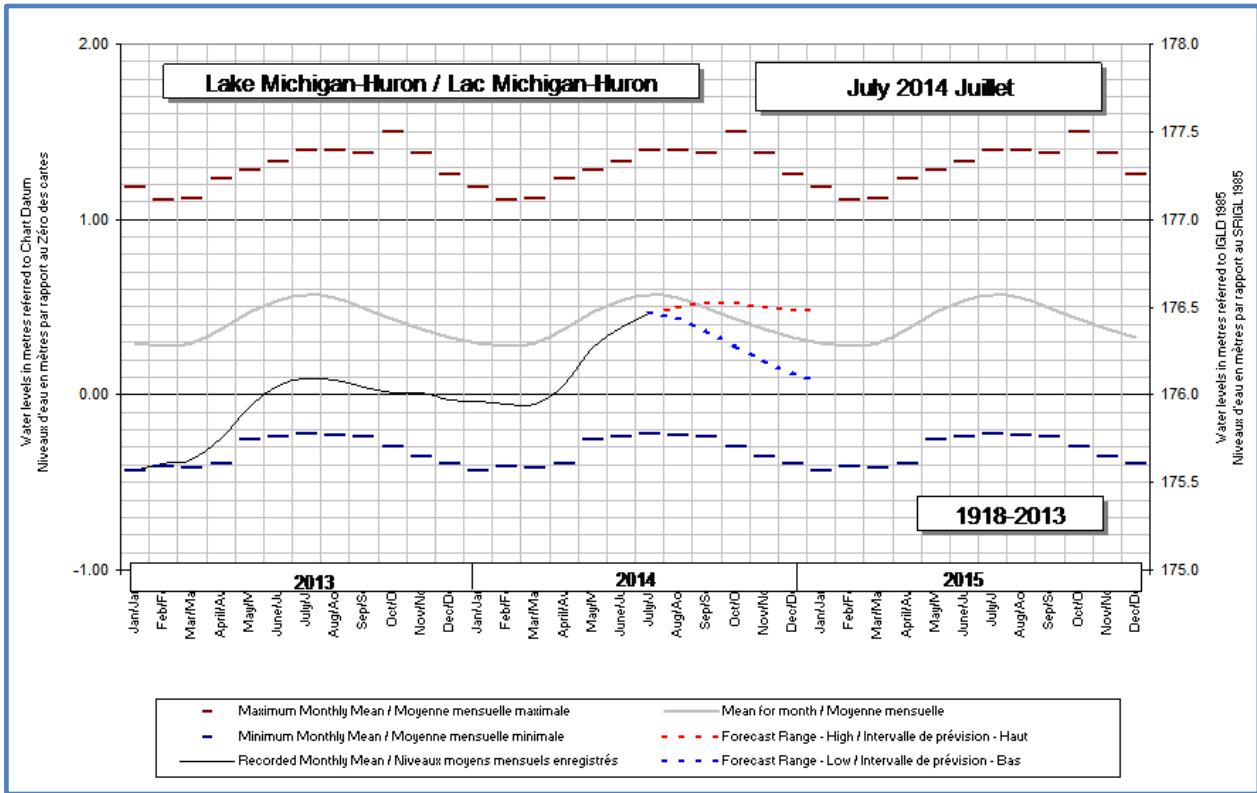
Great Lakes Levels (Canadian Hydrometric Service – July 2014 data.)

Lake levels in 2014 continued to improve significantly compared to 2013 in both Lake St. Clair and Lake Huron. Lake Huron levels now exceed the 10 year long term average although this average continues to be based on an extended period of lower levels. In addition, current levels are now much closer to average levels for the Period of Record (95 years) which continues to be reassuring but tenuous. As we move into another winter season levels are impacted by the extent of ice pack limiting evaporation and the extent of snowpack in northern areas of the province. The impact of higher lake levels has been evident with reduced beach areas following several years of lower levels.



Monthly Mean Water Levels (Data: Canadian Hydrometric Services)						
July 2014	Superior	Huron	St. Clair	Erie	Ontario	Montréal
Mean for Month (preliminary data)	183.66	176.46	175.26	174.4	75.09	6.39
Mean for month last year	183.37	176.09	175.1	174.35	75.14	6.21
Mean for month, last 10 years	183.3	176.21	175.08	174.3	75.02	6.07
Statistics for period of record						
Maximum monthly mean / year	183.82	177.39	175.93	175.03	75.66	7.49
	1950	1986	1986	1986	1947	1973
Mean for month / Moyenne mensuelle	183.5	176.57	175.18	174.31	75	6.41
Minimum monthly mean / year	182.96	175.78	174.5	173.45	74.14	5.29
	1926	1964	1934	1934	1934	2012
Probable mean for next month	183.68	176.48	175.22	174.34	74.93	6.13

Units	Current Monthly Level	Monthly Level Last Year	Change 2013/2014	Current Month Avg for Last 10 Years	Change Current compared to 10 year	Anticipated Next Month	Average for Period of Record
<u>Lake St. Clair</u>							
Metric (m)	175.26	175.1	0.16	175.08	0.18	175.22	175.18
Imperial (ft)	575.00	574.47	0.52	574.41	0.59	574.87	574.74
<u>Lake Huron</u>							
Metric (m)	176.46	176.09	0.37	176.21	0.25	176.48	176.57
Imperial (ft)	578.94	577.72	1.21	578.12	0.82	579.00	579.30



Staff Report

8. (ii)



To: Board of Directors
Date: September 4, 2014
From: Girish Sankar, Manager of Water Resources
Subject: Water & Erosion Control Infrastructure (WECI) Projects

- Authority projects have scored between 90 and 115 points in Repair Projects and between 20 and 70 points for Safety Projects.
- Authority had previously secured funding of WECI funding of \$40,000 for repair work along the floodway
- Projects in the waiting list have been reviewed by a committee of provincial and Conservation Authority staff representatives last month and the projects have been ranked in comparison to all submitted projects from across the Province.
- Another \$30,000 have been granted towards McKeough Dam Drop structure repair work following the review
- Projects with emphasis on flood control has secured most of the funding

Other WECI Projects		
Structure	Project Name	Status
Cathcart Park	Erosion Protection Revitalization	completed in May 2014
Petrolia Dam	Minor crack repair	completed in August 2014
Coldstream Dam	Shrub and tree removal	completed in June 2013
Running Creek Dyke	Erosion Control	completed in June 2014

Petrolia Dam – Before repair



Petrolia Dam – After repair



Staff Report

9.(i)



To: Board of Directors
Date: September 2, 2014
From: Kelli Smith, Biological Technician
Subject: SCRCA staff help member municipalities meet regulatory requirement by issuing Standard Compliance Requirements (SCRs) and Letters of Review (LoR).

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). If drain projects are carried out (with or without a CA Act S. 28 permit) and impact, with respect to the CA's regulatory responsibilities under the CA Act, areas that are regulated, the CA could be held liable for not undertaking or enforcing its regulatory responsibilities.

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 appropriate 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.

Since January, 2014, 142 drain files have been submitted to SCRCA for review. 84 files have been reviewed under the DART protocol and proponents have received Standard Compliance Requirements permissions. 34 files have been reviewed by staff and have received Letters of Review. Letters of Review are issued when the project does not fall under the DART protocol. In most cases these are engineer's reports under section 78 of the Drainage Act for improvements, and advice is provided to further the conservation and management of the existing natural heritage features of the designated watershed. Currently six files are still in need of review.

Categories of Drain Review	January – April 2014	April – June 2014	July- September 2014	Total
DART Protocol – SCR issued	16	13	55	84
Letter of Review Issued	17	4	13	34
Requires Letter of Review	4	7	6	17
Other Types of Files (e.g., Environmental Assessment, sign-off, Assessment changes)	5	1	1	7
Total Files from January to June 2014	42	25	75	142

Staff Report

9.(ii)

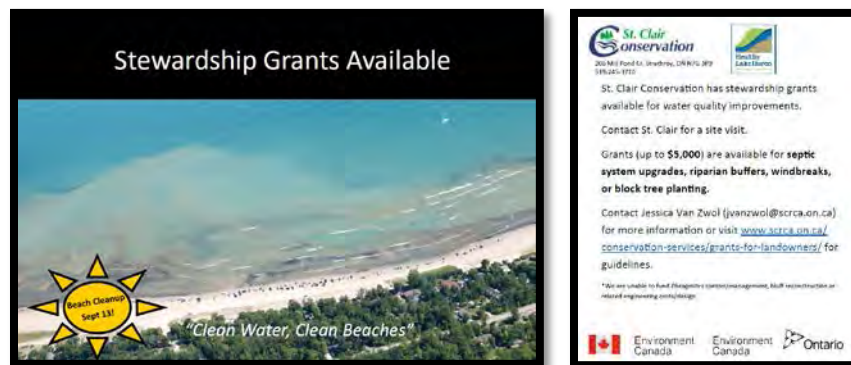


To: Board of Directors
Date: September 2, 2014
From: Jessica Van Zwol, Healthy Watershed Specialist
Subject: Healthy Watersheds Program

Lambton Shores Healthy Lake Huron Program

Lambton Shores Tributaries (LST) Watershed received funding from Ontario Ministry of the Environment and Environment Canada as part of the Healthy Lake Huron – Clean Water, Clean Beaches campaign, for immediate action to improve beach and inland surface water quality.

- **Water Quality Monitoring:** ongoing on a monthly and storm event basis to contribute to long-term data
- **Outreach and Education:**
 - CA staff met up with the Lambton Shores Steering Committee, a group of local volunteers who meet four times a year to brainstorm ways CA staff should undertake in the Lambton Shores Watershed in an effort to connect with landowners and spread the stewardship message with the local community. Suggestions included the shoreline postcard, sending newsletters to the beach associations and attending the Forest Fall Fair.
 - just over 1000 postcards were sent to shoreline residents in Lambton Shores announcing grants we have available for erosion, tree planting, and septic system upgrades. To date, we've had ~20 interested landowners contact us and of those a number of them are moving forward with projects!!



Healthy Sydenham Headwaters Initiative (HSHI)

SCRCA and Middlesex Stewardship Council have partnered on this Initiative to guide conservation and restoration efforts in the Headwaters of the Sydenham River.

- **Water quality monitoring:** ongoing on a monthly basis to contribute to long-term data
- **Outreach and Education:** staff hosted the 2nd annual Stewardship bus tour (July 17) with Middlesex Stewardship Council. Twenty CA staff (including staff from other CAs), council members, landowners, and funders attended and the tour included a stop at a restored wetland, a wetland project before construction, a 10 acre tree planting project and a 40 acre wetland/tree planting project.



SCRCA Bus Tour (June 26)

This year's annual SCRCA bus tour stopped by a wetland project that went in the ground a few years ago. The Bolton's shared with us their enjoyment of having a wetland on their property.



This summer, **5 wetland projects** have been implemented in the Sydenham Headwaters, resulting in **~15 acres** of restored habitat!

Upcoming events:

- *September 6, 2014:* Centre Ipperwash Great Canadian Shoreline Cleanup 9:00-11:00 a.m. – come volunteer and clean up one of Lake Huron's most beautiful beaches!
- *September 19-21, 2014:* Forest Fall Fair – come visit our booth!
- *November 2014:* Fall workshop –location and topic TBD

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 and offer advice and project design and where applicable, support projects with grants. Call today for more information.

Staff Report

9(iii)

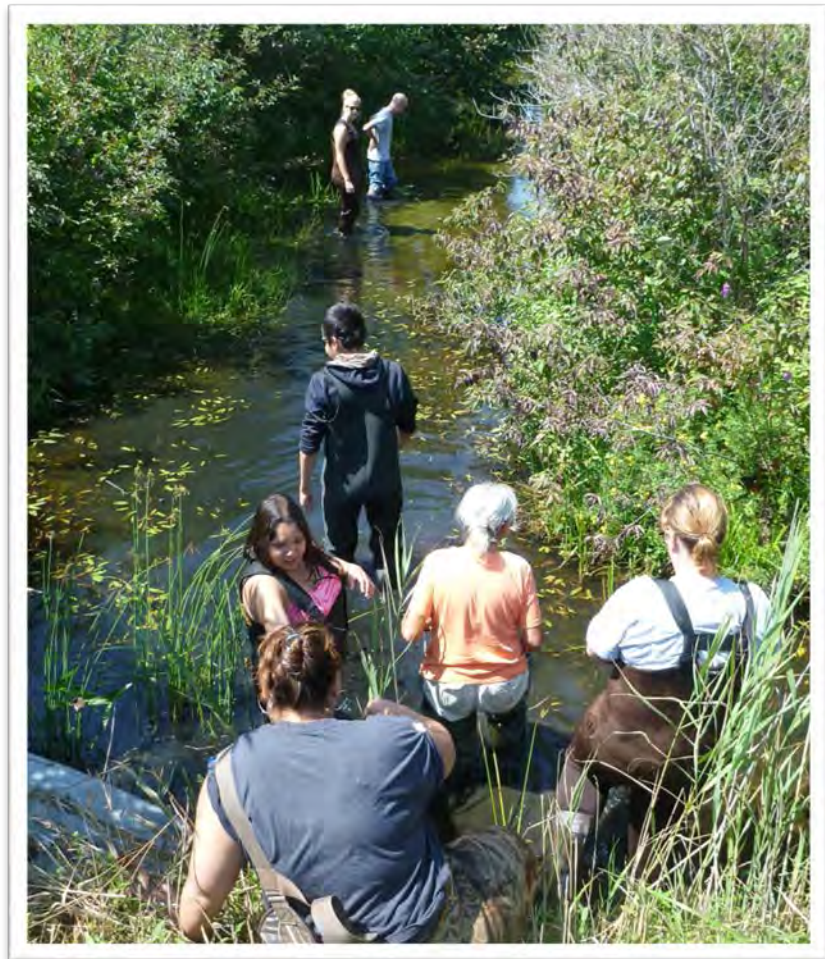


To: Board of Directors
Date: September 2, 2014
From: Erin Carroll, Aquatic Biologist
Subject: Aquatic Outreach and Inventory work continues with support from Ontario Trillium Foundation

Thanks to a major grant from the Ontario Trillium Foundation, aquatic education, outreach and inventory work continues on Lambton County streams and creeks flowing into Lake Huron. Partners on the project include Carolinian Canada Coalition, St. Clair Region Conservation Authority and Kettle & Stony Point First Nation.

In late August, a fish survey demonstration at Kettle and Stony Point, taught participants about various aquatic monitoring techniques.

SCRCA staff emphasized connections between habitat and aquatic health. Several community members attended, as well as students from the Sarnia area who were looking to gain inventory experience.



Participants of Aquatic Inventory Demonstration look for mussels in Salamander Creek



Participants of Aquatic Inventory Demonstration use seine net to collect fish.

St. Clair Conservation staff also conducted mussel surveys as part of this program. Biology staff visited creeks and rivers to identify and measure mussels before releasing them back to the water.

Mussels are excellent indicators of water quality because they are long-lived and sessile making them susceptible to pollution. Thus, the presence of fresh water mussels helps

indicate a healthy system. Aquatic inventory data will be published in Watershed Report Cards which summarize the current state of St. Clair Region's watersheds. The report cards track and report on the surface and groundwater quality, and forest conditions in the watersheds.

Staff Report

To: Board of Directors
Date: September 2, 2014
From: John Jimmo, Fisheries Technician
Subject: 2014 Reptile Monitoring Program Update

Butler's garter snake sighting. The Butler's garter snake is threatened under both the Ontario Endangered Species Act, 2007 and the federal species at risk act.



Kelli Smith holding a Butler's gartersnake.

Continued sightings of the eastern fox snake in various locations throughout the SCRCA watershed through the use of coverboard monitoring, and both staff and public sightings.



Road signs were installed at the McKeough Dam to remind drivers that it is important to “brake for snakes”. Road mortality causes significant losses to populations of our Ontario snake species.



In partnership with the Ontario Junior Rangers, staff from SCRCA conducted a reptile and amphibian inventory in the Lambton County Heritage Forest on August 18th, 2014. A tail clipping was obtained from an unknown species of mole salamander and identification will be determined by Jim Bogart at the University of Guelph. However, it is likely that the unknown mole salamander is a complex mix between the Jefferson and blue-spotted salamander species. Additionally, several Eastern red-backed salamanders were found.



Unknown mole salamander



A Junior Ontario Ranger holding a red-backed salamander.



Eastern red-backed salamander



Eggs of the red-backed salamander

Jim Bogart, a professor from the University of Guelph positively identified the previously unknown mole salamanders from Bowen's South Wetland as a complex mix of Jefferson and blue-spotted salamander species.



Kids from the Camp Blast program at Our Lady Immaculate School in Strathroy heard a talk by SCRCA staff on reptile and aquatic species at risk of the Sydenham River on July 15th, 2014. Participants were able to handle snake skin, turtle shells, mussel shells, and view pictures of the many reptile and aquatic species of the Sydenham River.



On July 23rd, 2014, participants in the “Discover Sydenham” program at the Strathroy Museum also heard a talk on aquatic and reptile species at risk of the Sydenham River by SCRCA staff. Kids were able to view the same materials as the participants from Camp Blast along with a stuffed eastern fox snake.



Female northern map turtles were observed laying eggs on roadways by SCRCA staff in the month of June 2014. Due to the risk of loss from human activity, and predation, these eggs were collected and sent for incubation. Many predated nests have been observed on these roadways. The eggs have now hatched and 23 hatchlings were released on site on August 28th, 2014.



Thanks to staff at McKeough Dam, brush has been placed in a pile to be used as a habitat enhancement for snakes. An informative sign is to be installed to inform people on what a brush pile is and its benefits to snakes.



Upcoming Events:

- continued snake monitoring of coverboards, hibernaculum, and nesting boxes.
- on October 22nd, 2014 students at the Hillside School of Kettle and Stony Point will be given the opportunity to learn about aquatic and reptile species at risk. The program will include a guest speaker from Scienstational Ssnakes who will bring in live specimens for students to handle and observe.
- signage will be created/installed to raise awareness of reptiles and roads, and the importance of brush piles (a habitat enhancement).
- coverboards will be deployed at new locations to monitor for presence/absence of snake species at risk.

Staff Report

10.(i)



To: Board of Directors
Date: September 5, 2014
From: Steve Shaw, Conservation Services Department
Subject: Conservation Services Spring Tree Planting Projects

- for most of the summer, conservation-forestry staff worked on an 80 acre poplar tree plantation restoration project on the Waste Management property in Warwick Township, alternating work weeks in conjunction with the larvicide treatment program for Lambton County.
- the winter of 2013-2014 resulted in severe rodent damage to their large poplar plantation that was planted in 2009 and caused mortality to nearly 60,000 poplar trees that were established and approaching a “free to grow” stage.
- removal of the dead and dying trees was the only way to promote rapid suckering of the trees in order to re-establish the site, maintaining necessary requirements under Waste Management’s operations permit with MOE.
- staff have also continued to provide vegetation control on two very large corporate reforested projects – Enbridge properties and Lambton County Bowen Creek property in St. Clair Twp.
- brush control work continues in Southwest Middlesex under the drainage act and staff have been spraying several “brushed” drainage works
- the search for funding for the Lambton Shores Coastal Wetland – Phragmites control work continues as well on the ground control work up this summer, up to as much funding that is currently available.



Staff Report

10.(ii)



To: Board of Directors

Date: Sept 5, 2014

From: Steve Shaw, Conservation Services Department

Subject: West Nile Virus - Lambton County Mosquito Control Program

- * staff have been busy again this summer treating 16,000 catch basins in Sarnia and Lambton County with methoprene-larvicide pellets to control west nile virus carrying mosquito population a minimum.
- * treatments started in late June this year and continued into mid-August. Treatment of catch basins are completed every 21 days throughout the summer with 3 crews of two people each. Approximately 7 to 8 days is required per treatment cycle.
- * applications for permits were approved by Ministry of Environment in late June along with 2 separate permits to treat Aamjiwnaang-Sarnia First Nation and the Dupont plant located in Corunna.
- * efficacy testing is planned again this year to monitor how well pellets and briquettes are controlling mosquito populations.



Photo courtesy of Sarnia Observer

June 30, 2014

TO: SCRCA Chair and Board of Directors

SUBJECT: Administration – Section 28 Status Report – Development, Interference of Wetlands and Alteration to Shorelines and Watercourses Regulation

FROM: Dallas Cundick, Environmental Planner / 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, 2014 to August 31, 2014.

June 1, 2014 to June 30, 2014

FA #	Applicant and Subject Property	Permit Required to:	Section 28 of the Conservation Authority`s Act “Development, Interference with Wetlands and Alterations to Shorelines & Watercourses” Regulation 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.	Date Permit Issued
10855	<p>Municipality of Chatham-Kent Payne Road Bridge over Whitebread Tap Drain Between Lot A and Lot 1, Concession IV Gore Geographic Township of Chatham</p>	<p>Reconstruct Payne Road Bridge over Whitebread Tap Drain</p>	<ul style="list-style-type: none"> Rehabilitated bridge will have the same flow dimension as the existing structure and will not impact flood elevations or flow upstream or downstream of the structure; Appropriate sediment and erosion methods are to be installed prior to the commencement of construction; Construction area will be restored to original condition and all debris will be removed off site; Disturbed soils are to be stabilized and re-vegetated immediately after completion of the works; 	<p>Jun 12</p>
10866- Amended	<p>Steven Demelo 4216 Telfer Road Lot 9, Concession GORE Geographic Township of Sarnia County of Lambton</p>	<p>Construction of a New Single Family Dwelling</p>	<ul style="list-style-type: none"> Minimum required floodproofing elevations are a condition of the permit; Proposed works will not alter flow velocities or elevations; Proposed works will not increase erosion hazards; Proposed works maintain a suitable setback from the watercourses; Lowest opening elevation will be a minimum 180.0m; The area around the buildings will be filled to a minimum of 180.0m for a horizontal distance of 2 m; Nisbet, Robertson certification that floodproofing elevations are met is required upon completion; Disturbed areas will be stabilized and vegetated 	<p>Amended: Jun 25</p>
10887	<p>Ryan Straus, NOVA Lot 48, Concession Front Geographic Township of Moore Township of St. Clair</p>	<p>Effluent Pipeline Repair near St. Clair River</p>	<ul style="list-style-type: none"> Works are a replacement of an existing structure; The repair of an existing pipeline is considered minor works; There will be no equipment, fill placement, excavation, alterations, etc. on slope; Heavy equipment and materials will be delivered by barge to the pipeline in the St. Clair River; The access way will be located on the flat table lands and not extended into 	<p>Jun 3</p>

			<ul style="list-style-type: none"> slope; The proposed works will have no impact on flood flows or elevations; No alterations to the watercourse &/or slope are required; 	
10888	Paul Meyer 10 Bowling Green Drive Lot 6, Concession 8 Geographic Township of Lobo County of Middlesex	Construction of a New Pole Barn	<ul style="list-style-type: none"> Proposed location is outside of the 3:1 (run:rise) stable slope gradient for the slope; Proposed location maintains a setback greater than 10m from the top of the slope; No alterations to the slope are required; Drainage will be directed away from the top of bank of the ravine; Excess fill will be removed from the regulated area; Disturbed areas will be reseeded upon completion of the works; 	Jun 18
10889	GAW Recycling 6135 Egremont Road Lot 11, Concession 5 Geographic Township of Lobo Municipality of Middlesex Centre	Storm Water Management Facility and Construction of a New Building (Office)	<ul style="list-style-type: none"> Proposed works should not negatively impact flood flows, velocities or elevations; Hydrology should not be negatively impacted by the proposed works; There will be no in-water works; Suitable sediment and erosion methods are to be installed prior to the commencement of construction and be maintained throughout the works; No alterations to the watercourse &/or slope are required; Disturbed soils are to be stabilized and re-vegetated immediately after completion of the works; Works will be completed greater than 10m from the top of the bank of the watercourse; 	Jun 13
10890	Mike Barnes 6644 Brush Road Lot 28, Concession 9 Geographic Township of Plympton County of Lambton	Construction of a New Concrete Silo	<ul style="list-style-type: none"> Proposed location maintains a setback greater than 16m from the watercourse; No alterations to the slope are required; Disturbed areas will be reseeded upon completion of the works; Grading and drainage will remain unchanged from existing; The proposed works will have no adverse impact on the control of erosion; Excess fill will be removed from the regulated area; Silo is located outside of the estimated engineered floodplain; 	Jun 12
10891	Union Gas Ltd. C/O Joel O'Connor Lot 22, Concession 9 Geographic Township of Brooke County of Lambton	Integrity Dig in Existing NPS 42 Natural Gas Pipeline	<ul style="list-style-type: none"> Investigating and Repairing an existing pipeline is considered minor works; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed as per Union Gas/DFO endorsed Generic Sediment Control Plan – Vehicle Crossing; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original, or better, condition upon completion of works; 	Jun 12
10892	Kevin Bill 3446 Egremont Road	Deck Replacement	<ul style="list-style-type: none"> The proposal will not negatively affect erosion processes; Proposed works will not be negatively affected by erosion processes; 	Jun 12

	Lot 14, Concession Front Geographic Township of Plympton County of Lambton		<ul style="list-style-type: none"> • Works are repair to existing structure needing repair due to old age; • The proposed works will not increase the risk to life and property 	
10893	Matthew Middleton 4094 St. Clair Parkway Lot E, Concession 8 Geographic Township of Sombra Township of St. Clair County of Lambton	Tear Down Existing Sunroom and Construction of New Addition	<ul style="list-style-type: none"> • Addition will match existing grades and elevations of existing dwelling; • Proposed works will not alter flow velocities or elevations; • Proposed works are minor addition; • Proposed works maintain a suitable setback from the watercourse; • Excess fill will be removed offsite; • There will be no alterations to minimum lowest openings; 	Jun 13
10895	Wendy Hentz 2943 St. Clair Gardens Lot A, Concession 14 Geographic Township of Sombra Township of St. Clair County of Lambton	Replacement of Existing Second Storey Porch & Deck	<ul style="list-style-type: none"> • No alterations/modifications to existing dwelling; • No alteration to existing lowest opening of the dwelling; • No increase risk to life and property; • Second storey porch is adequately floodproofed above 177.3m; • Proposed works will not alter flow velocities or elevations; • Proposed works will not increase erosion hazard; • Proposed works maintain a suitable setback from the watercourse; • Disturbed areas will be stabilized and vegetated upon completion; 	Jun 13
10896	Enbridge Pipelines c/o Darrin Drumm Lot 15, Concession 5 Geographic Township of Plympton County of Lambton	Intelligent Valve Pipeline Enbridge Upgrades to Line 9	<ul style="list-style-type: none"> • Replacing a valve in an existing pipeline is considered minor works; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work to be completed within 3 months; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to its original or better condition upon completion of works; 	Jun 20

July 1, 2014 to July 31, 2014

FA #	Applicant and Subject Property	Permit Required to:	Section 28 of the Conservation Authority`s Act "Development, Interference with Wetlands and Alterations to Shorelines & Watercourses" Regulation 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.	Date Permit Issued
10897	County of Lambton Cull Drain Lot 24, Concession 9 Geographic Township of Sarnia County of Lambton	Complete Bridge Rehabilitation over Cull Drain	<ul style="list-style-type: none"> • The rehabilitated bridge is to have the same flow dimension as the existing structure and will not impact flood elevations or flow upstream or downstream of the structure; • Appropriate sediment and erosion methods are to be installed prior to the commencement of construction and be maintained throughout the works; • Construction area will be restored to original condition and all debris will be removed off site; • Disturbed soils are to be stabilized and re-vegetated immediately after completion of the works; • In-water works are minor and will not impact the flow upstream or downstream 	July 2
10899	Ontario Power Generation c/o Colin Andrews	Installation of Discharge Pipe into	<ul style="list-style-type: none"> • Proposed works will not negatively impact flood flows, velocities or elevations; 	July 10

	1886 St. Clair Parkway Lot 18, Concession Front Geographic Township of Moore Township of St. Clair	Bowman's Creek	<ul style="list-style-type: none"> Hydrology should not be negatively impacted by the proposed works; Suitable sediment and erosion methods are to be installed prior to the commencement of construction and be maintained throughout the works; No alterations to the watercourse and/or slope are required; Disturbed soils are to be stabilized and re-vegetated immediately after completion of the works; 	
10900	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9, MP 1765.0070, 1765.0145 Lot 9, Concession 1 NER Geographic Township of Warwick County of Lambton	Integrity Dig – Pipeline 9, MP 1765.0070, 1765.0145	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted greater than 60m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of works; 	July 11
10901	Enbridge Pipelines Inc c/o Amanda Skaggs Pipeline 9 Lot Block B, Concession 0 Geographic Township of Sarnia County of Lambton	Integrity Dig- Pipeline 9, MP 1742.7663, 1742.7889, 1742.8190, 1742.7279	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted at least 20m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of the works; 	July 10
10902	Enbridge Pipeline Inc. c/o Amanda Skaggs Pipeline 8 & 9 Lot Block B, Concession 0 Geographic Township of Sarnia County of Lambton	Integrity Dig – Pipeline 8&9, MP 1742.8904, 1742.9248, 1742.9324, 1743.2033, 1743.2486, 1743.2637, 1743.3661, 1743.3756, 1743.3907, 1743.4057	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted at least 20m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of works; 	July 9
10903	Enbridge Pipelines Inc c/o Amanda Skaggs Pipeline 9 Lot 5, Concession 5 Geographic Township of Sarnia County of Lambton	Integrity Dig – Pipeline 9 – MP 1748.3296	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; 	July 10

			<ul style="list-style-type: none"> The site will be restored to its original or better condition upon completion of works; 	
10904	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 25, Concession 2 NER Geographic Township of Warwick County of Lambton	Integrity Dig- Pipeline 9 – MP 1771.0515	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted greater than 70m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Works to be completed within 4 weeks; Works to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of the works; 	July 10
10905	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 13, Concession 5 Geographic Township of Plympton County of Lambton	Integrity Dig – Pipeline 9 – MP 1755.2782	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of works; 	July 10
10906	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 13, Concession 4 Geographic Township of Plympton County of Lambton	Integrity Dig- Pipeline 9 – MP 1754.8842	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted greater than 100m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work will be completed within 4 weeks; Work to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of works; 	July 11
10907	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot Block B, Concession 0 Geographic Township of Sarnia County of Lambton	Integrity Dig- Pipeline 9, MP 1743.0448	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted greater than 20 m from the open watercourse; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Works to be completed within the appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original, or better, condition upon completion of works. 	July 11
10908	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9	Integrity Dig – Pipeline 9, MP 1745.0720	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Works will be conducted greater than 30m from the open watercourse; Appropriate mitigation measures have been developed and will be 	July 11

	Lot 13, Concession 4 Geographic Township of Sarnia County of Lambton		<ul style="list-style-type: none"> employed to control sediment and erosion; • Work to be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to its original or better condition upon completion of the works; 	
10909	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 12, Concession 4 Geographic Township of Sarnia County of Lambton	Integrity Dig – Pipeline 9, MP 1745.3055	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • Works will be conducted greater than 30m from the open watercourse; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work to be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to its original or better condition upon completion of works 	July 11
10910	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 4, Concession 5 Geographic Township of Sarnia County of Lambton	Integrity Dig – Pipeline 9, MP 1748.5400	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • Works will be conducted 20m from the tiled watercourse; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work to be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to original or better condition upon completion of the works; 	July 11
10911	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 9, Concession 4 Geographic Township of Sarnia County of Lambton	Integrity Dig- Pipeline 9, MP 1746.6145	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • Works will be conducted 10m from the open watercourse; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • No in-water works are proposed; • Works to be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to its original condition or better condition upon completion 	July 11
10912	Brent Widdifield 5152 Cedarview Drive Lot 77, Concession West of Lake Road Geographic Township of Bosanquet Municipality of Lambton Shores	Construction of Addition	<ul style="list-style-type: none"> • Proposed location is outside of the 3:1 (run:rise) stable slope gradient for the slope plus 100 year erosion rate; • No alterations to the slope are required; • Drainage will be directed away from the top of bank of the bluff; • Excess fill will be removed from the regulated area; • Disturbed areas will be reseeded upon completion of the works; 	July 15

10914	Town of Petrolia c/o Joe Adams, Director of Operations Lot 12, Concession 10 Geographic Township of Enniskillen County of Lambton	EMERGENCY Sanitary Pipeline Repair	<ul style="list-style-type: none"> • Completing emergency repairs to an existing pipeline; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • Existing grades will be maintained; • The site will be restored to original condition or better upon completion of works; 	July 17
10915	Birnam Excavating Ltd. c/o Bryan VanBree Lot 4-5, Concession Front St. Clair Parkway Geographic Township of Moore Township of St. Clair	Install 200mm PVC Watermain Pipe under Bowen's Creek via HDD	<ul style="list-style-type: none"> • Pipeline crossings of a watercourse using the direction drilling method are considered minor works; • Entry/Exit pits are a suitable setback from the banks of the watercourse; • Appropriate sediment and erosion control measures have been developed and will be installed prior to commencement of the works and maintained until all disturbed areas have been rehabilitated; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope are required; • Suitable Drilling Procedures, Environmental Compliance and Restoration Prescription are in place; • Disturbed areas will be reseeded upon completion of the works; • There will be no changes to existing grades and elevations; 	July 18
10916	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 11, Concession 1 NER Geographic Township of Warwick County of Lambton	Integrity Dig – pipeline 9, MP 1765.7062	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • Works will be conducted outside erosion hazard and estimated engineered floodplain; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work To be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows and elevations; • No alterations to the slope or grade are required; • The site will be restored to its original, or better condition upon completion of works; 	July 23
10917	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 9, Concession 4 Geographic Township of Sarnia County of Lambton	Integrity Dig – pipeline 9, MP 1746.6145	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • Works will be conducted greater than 20m from the open watercourse; • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work to be completed within 4 weeks; • Work to be completed within the appropriate fisheries timing window; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to original or better condition upon completion 	July 23
10918	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 11, Concession 4	Integrity Dig – Pipeline 9, MP 1745.9491, 1745.9566,	<ul style="list-style-type: none"> • Verifying and repairing an existing pipeline is considered minor works; • 5 of the proposed digs will be conducted greater than 20m from the open watercourse; • Appropriate mitigation measures have been developed and will be 	July 23

	Geographic Township of Sarnia County of Lambton	1745.9642, 1745.9718, 1745.9756, 1745.999, 1746.0217	<ul style="list-style-type: none"> employed to control sediment and erosion; Works to be completed within 4 weeks; Works will be completed during low water conditions; Work to be completed within appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of the works; 	
10919	Enbridge Pipelines Inc. c/o Amanda Skaggs Pipeline 9 Lot 1, Concession 5 Geographic Township of Sarnia County of Lambton	Integrity Dig – Pipeline 9, MP 1749.6725	<ul style="list-style-type: none"> Verifying and repairing an existing pipeline is considered minor works; Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; Work to be completed within 4 weeks; Works will be completed during low water conditions; Work to be completed within appropriate fisheries timing window; The proposed works will have no impact on flood flows or elevations; No alterations to the slope or grade are required; The site will be restored to its original or better condition upon completion of works; Appropriate dewatering methods have been developed and will be employed for the works within the creek; 	July 23
10922	Luke Sutton 6750 Camlachie Road Lot 10, Concession 9 Geographic Township of Plympton County of Lambton	Construction of a Single Family Dwelling	<ul style="list-style-type: none"> Minimum required floodproofing elevations are a condition of the permit; Proposed works will not alter flow velocities or elevations; Proposed works will not increase erosion hazard; Proposed works maintain a suitable setback from the watercourse; Lowest opening elevation will be a minimum of 0.5m above the centreline road elevation of Camlachie Road directly adjacent the subject property; The area around the buildings will be filled to a minimum of 0.5m higher than the centreline of the road for a horizontal distance of 2m; Nisbet, Robertson certification that floodproofing elevations are met is required upon completion; Disturbed areas will be stabilized and vegetated; 	July 31
10923	Mike Dougan 8115 Hillsboro Road Lot 50, Concession Front Geographic Township of Plympton County of Lambton	Construction of an In-ground Swimming Pool	<ul style="list-style-type: none"> Proposed location is outside of the 3:1 (run:rise) stable slope gradient for the slope; Proposed works are outside the estimated engineered floodplain; Proposed location maintains a maintenance access setback greater than 6 metres from the top of the slope; No alterations to the slope are required; Existing grading will be maintained; Drainage from the structure will be directed away from the slope; 	July 28

August 1, 2014 to August 31, 2014

FA #	Applicant and Subject Property	Permit Required to:	Section 28 of the Conservation Authority`s Act “Development, Interference with Wetlands and Alterations to Shorelines & Watercourses” Regulation	Date Permit
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			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.	Issued
10898	Bouma Builders Larry & Jennifer DePooter 29915 St. Clair Parkway Part Lot B, Concession 4 GORE Geographic Township of Chatham Municipality of Chatham-Kent	Construction of Single Family Dwelling with Attached 3 Car Garage	<ul style="list-style-type: none"> • Minimum required floodproofing elevations are a condition of the permit • Proposed works will not alter flow velocities or elevations; • Proposed works will not increase erosion hazard; • Proposed works maintain a suitable setback from the watercourse; • The finished grade around the foundation will be at a minimum elevation of 177.0 m C.G.D. for a minimum horizontal distance of 2 metres from the external walls of the structure; • The lowest foundation opening be at an elevation higher than 177.0 m C.G.D.; • Disturbed areas will be stabilized and vegetated; • Certification from an O.L.S. upon completion of works verifying that the elevation requirements have been addressed is a condition of the permit 	Aug 1
10920	Municipality of Chatham-Kent c/o Matthew Link 80 Andrew Ave Lot 9, Concession 2 GORE Geographic Township of Chatham Municipality of Chatham-Kent	Construct Overflow Outlet to Running Creek	<ul style="list-style-type: none"> • Proposed works should not negatively impact flood flows, velocities or elevations; • Hydrology should not be negatively impacted by the proposed works; • The total volume of water released into Running Creek will not change; • Suitable sediment and erosion methods are to be installed prior to the commencement of construction and be maintained throughout the works; • No alterations to the watercourses and/or slope are required; • Disturbed soils are to be stabilized and re-vegetated immediately after completion of the works; 	Aug 13
10921	Union Gas Limited c/o Beth Ortibus Lot 1 &2, Concession 15 Geographic Township of Sombra Township of St. Clair County of Lambton	Installation of Natural Gas Pipeline	<ul style="list-style-type: none"> • Appropriate mitigation measures have been developed and will be employed to control sediment and erosion; • Work to be completed between August 15 and November 15, 2014; • Work will be completed within the road allowance, south of Bickford Line. Johnston Drain is located to the north of Bickford Line; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope or grade are required; • The site will be restored to its original condition or better upon completion of works 	Aug 5
10924	Bell Aliant c/o John Peters Lot 26, Concession 3 Geographic Township of Moore Township of St. Clair	Installation of Conduit and Fibre Optic Cable	<ul style="list-style-type: none"> • Pipeline crossings of a watercourse using the directional drilling method are considered minor works; • Entry/Exit pits are a suitable setback from the banks of the watercourse; • Appropriate sediment and erosion control methods have been developed, and will be in place prior to the commencement of the works; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope are required; • Suitable Drilling Procedures, Environmental Compliance, and Restoration Prescription are in place; • Disturbed areas will be reseeded upon completion of the works; 	Aug 7
10925	Bell Aliant c/o John Peters	Installation of Conduit and Fibre	<ul style="list-style-type: none"> • Pipeline crossings of a watercourse using the directional drilling method are considered minor works; 	Aug 7

	Lot 12, Concession Front Geographic Township of Moore Township of St. Clair	Optic Cable	<ul style="list-style-type: none"> • Entry/Exit pits are a suitable setback from the banks of the watercourse; • Appropriate sediment and erosion control methods have been developed, and will be in place prior to the commencement of the works; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope are required; • Suitable Drilling Procedures, Environmental Compliance, and Restoration Prescription are in place; • Disturbed areas will be reseeded upon completion of the works; 	
10926	Bruce Eagleson 895 Old Glass Road Lot 11, Concession 1 GORE Geographic Township of Chatham Municipality of Chatham-Kent	Construction of a New Pole Barn	<ul style="list-style-type: none"> • Minimum required floodproofing elevations are a condition of the permit; • Proposed works will not alter flow velocities or elevations; • Proposed works will not increase erosion hazard; • Proposed works maintain a suitable setback from the watercourse; • The non-habitable accessory structure will be wet passive floodproofed to an elevation higher than 177.24m C.G.D; • Disturbed areas will be stabilized and vegetated upon completion 	Aug 22
10927	Larry Cornelis 369 University Ave Lot 11, Concession 2 GORE Geographic Township of Chatham Municipality of Chatham-Kent	Construction of Two Minor Additions to Existing Dwelling	<ul style="list-style-type: none"> • Addition will match existing grades and elevations of existing dwelling; • Proposed works will not alter flow velocities or elevations; • Proposed works are minor addition; • Proposed works maintain a suitable setback from the watercourse; • Excess fill will be removed offsite; • There will be no alterations to minimum lowest openings of existing dwelling and no increased risk to existing dwelling; 	Aug 8
10928	Unions Gas Limited c/o Beth Ortibus Lot 2, Concession 7 Geographic Township of Caradoc Municipality of Strathroy-Caradoc	Install a new NPS 2" Natural Gas Pipeline via HDD	<ul style="list-style-type: none"> • Pipeline crossings of a watercourse using the directional drilling method are considered minor works; • Entry/Exit pits are a suitable setback from the banks of the watercourse; • Appropriate generic mitigation measures have been developed in conjunction with DFO and will be employed to control sediment and erosion; • The proposed works will have no impact on flood flows or elevations; • No alterations to the slope are required; • Suitable Drilling Procedures, Environmental Compliance, and Restoration Prescription are in place; • Disturbed areas will be reseeded upon completion of the works; 	Aug 14
10929	Archie Annett Aughrim Line Lot 34, Concession 8 Geographic Township of Euphemia Township of Dawn-Euphemia County of Lambton	Construct a New Single Family Dwelling	<ul style="list-style-type: none"> • Proposed works outside the flood hazard; • Proposed works will not increase erosion hazard; • Proposed works maintain a suitable setback from the watercourses; • Proposed location is outside of the 3:1 (run:rise) stable slope allowance plus 15m toe erosion allowance plus 6m access allowance; • Proposed location maintains a setback greater than 15m from the top of the slope; • No alterations to the slope are required; • Disturbed areas will be stabilized and restored upon completion; 	Aug 8
10930	Tyler Smith 6655 LaSalle Line	Adding an 800 sq.ft. addition to the south	<ul style="list-style-type: none"> • Addition will match existing grades and elevations of existing dwelling; • Proposed works will not alter flow velocities or elevations; 	Aug 14

	Lot 5, Concession 12 Geographic Township of Brooke Municipality of Brooke-Alvinston	side of Existing Dwelling	<ul style="list-style-type: none"> Proposed works are minor addition; Proposed works maintain a suitable setback from the watercourse; Excess fill will be removed offsite; There will be no alterations to minimum lowest openings; 	
10931	Tom McInroy 4350 Bluepoint Drive Lot 40, Concession Front Geographic Township of Plympton County of Lambton	Construction of a New Garage	<ul style="list-style-type: none"> Proposed location is outside of the 3:1 (run:rise) stable slope allowance plus 15m toe erosion allowance plus 6m access allowance; Proposed location maintains a setback greater than 6m from the top of the slope; No alterations to the slope are required; Drainage will be directed away from the top of bank of the ravine; Excess fill will be removed from the regulated area; Disturbed areas will be reseeded upon completion of the works; 	Aug 14
10933	Rakesh Mehra 1498 Blackwell Road Lot 46, Concession 9 Geographic Township of Sarnia County of Lambton	Construction of a New Single Family Dwelling	<ul style="list-style-type: none"> Minimum required floodproofing elevations are a condition of the permit; Proposed works will not alter flow velocities or elevations; Proposed works will not increase erosion hazard; Proposed works maintain a suitable setback from the watercourse; Lowest opening elevation will be a minimum of 180.3m; The area around the buildings will be filled to a minimum of 180.3m for a horizontal distance of 2m; Nisbet, Robertson certification that floodproofing elevations are met is required upon completion; Disturbed areas will be stabilized and vegetated; 	Aug 14
10934	Union Gas Ltd. c/o Beth Oribus Lot 15, Concession 13 Geographic Township of Dover Municipality of Chatham-Kent	Install a new NPS 2" Natural Gas Pipeline via HDD	<ul style="list-style-type: none"> Pipeline crossings of a watercourse using the directional drilling method are considered minor works; Entry/exit pits are a suitable setback from the banks of the watercourse; Appropriate generic mitigation measures have been developed, in conjunction with DFO, and will be employed to control sediment and erosion; The proposed works will have no impact on flood flows or elevations; No alterations to the slope are required; Suitable Drilling Procedures, Environmental Compliance, and Restoration Prescription are in place; Disturbed areas will be reseeded upon completion of the works 	Aug 14
10937	Shell Canada Products c/o Michael Gardner Lot 68-72, Concession Front Geographic Township of Moore St. Clair Township County of Lambton	Safety Upgrades to Marine Dock	<ul style="list-style-type: none"> Works are safety upgrades to an existing structure; Works to be completed on land (No in-water work); The proposed works will have no impact on flood flows or elevations; No alterations to the watercourse &/or slope are required; Appropriate sediment and erosion control will be installed prior to commencement of the works and maintained throughout the entire project; Proposed works including electrical works will be appropriately flood proofed to the flood proofing elevation of 178.0m (C.G.D) as required; 	Aug 28

10852	Nick and Chantelle Core Proposed Dwelling	<u>UPDATE March 31, 2014</u>		
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Relocation/Redevelopment

4090 Bluepoint Drive
Lot 39 and 40, Concession Front
Geographic Township of Plympton
County of Lambton

Board Hearing Decision Feb, 6, 2014:

BD-14-017
MacKinnon – Faas

That the Hearing Board, in accordance with the requirements of the Conservation Authorities Act, held a hearing regarding Nick & Chantelle Core, Application #10852 on February 6, 2014, and hereby approves the application as per Lot Grading Plan of Lot 46, Registered Plan 28(PY) Town of Plympton-Wyoming, County of Lambton, completed by Nisbet, Robertson, Drawing Number 13-234-C, dated September 3, 2013, conditional on the following:

- Total square area (the total area of all floors above grade measured between the outside surfaces of exterior walls, including interior parking) is not greater than 164 sq. m;
- The approval is based on relocation of the existing dwelling as per the application;
- All other standard SCRCA staff approval permit requirements (i.e. proper grading/drainage, hazard on title).

- Notice of Decision sent to the proponents from staff of the SCRCA dated February 18, 2014;
- SCRCA received correspondence from Patton Cormier and Associates dated February 25, 2014, addressed to The Honorable David Oraziotti, that their clients (Nick Core and Chantelle Core) hereby appeal condition #1 to the St. Clair Conservation Authority's approval of Application #10852;
- Authority staff contacted lawyer Grant Inglis on February 27, 2014, and forwarded copy of appeal. Authority staff asked if Grant would represent the Authority on this matter;
- April 3, 2014, the SCRCA received correspondence from Patton Cormier and Associates dated April 3, 2014, addressed to The Honourable David Oraziotti, noting that their office has contacted the office of the Minister of Natural Resources on at least four occasions in an effort to confirm that their appeal letter was received and to determine the status of the appeal. The letter went on further to say that to date, no one at the Ministers office has been able to assist them in this regard, and that it is imperative that they receive an answer to these inquires so that they may advise their clients as to the next steps in the appeals process;

UPDATE June 6, 2014

- April 11, 2014 – SCRCA received Order To File documentation of the Mining and Lands Commissioner, Refer Our File CA 002-14;
- April 16, 2014 – SCRCA sent formal letter to Grant Inglis asking that he provide written confirmation indicating that he can represent the SCRCA on File CA 002-14;
- April 28, 2014 – SCRCA sent as per the directions of the Order to File, 2 bound copies of the application form and maps provided in support of the application outlining the basic details of the proposal, a copy of the refusal, as well as minutes of the Board of Directors meeting held on Feb. 6, 2014. The information provided contained all information provided by the appellant in support of their application;
- June 2, 2014 – SCRCA received pursuant to the Order to File, the Appellants' Document Book containing a Summary Facts and other documents to be relied upon in support of this appeal from the Appellants lawyer Patton Cormier and Associates.
- The covering letter stated that they understand from speaking with the Registrar, Mr. Pascoe, that a process is available whereby the Commissioner "mediates" resolution discussions between the Parties. They advised that the Appellants may be open to resolving this appeal by way of that process and requested further details in that regard.

UPDATE September 4, 2014

		<ul style="list-style-type: none"> • June 27, 2014 – SCRCA sent as per the directions of the Order to File, 2 bound copies of the SCRCA's (respondents) document book containing the facts that the respondent admit, deny, allege, and other documents to be relied upon. As directed in the order to file, this information was forwarded to the appellant as well. • July 2014 – During July and August SCRCA staff discussed via telephone with Daniel Pascoe, Registrar/Mediator, MLC, process going forward and process for mediation; • July 10, 2014 – SCRCA staff met with Grant Inglis, Lawyer representing the SCRCA to discuss the case and options going forward; • Both D. Pascoe and G. Inglis agreed that the SCRCA should request the Town of Plympton-Wyoming review the development proposal and determine the townships requirements and recommendation on what the Committee of Adjustment may approve. This is important to ensure that we do not end up going back and forth between all parties, but find what is reasonable development that everyone can live with; • July 25, 2014 – SCRCA staff sent request to Town of Plympton Wyoming Planner to review the development proposal and determine the township's requirements. • SCRCA has not received response from Planner at P-W to date (Sept 5, 2014). Upon receiving the response from the Town of P-W Planner the SCRCA can review and determine if there is a possible mediated resolution that is acceptable to all parties; • August 26, 2014 – SCRCA received confirmation from Daniel Pascoe that a teleconference on Monday, September 22, 2014 at 10:00am is scheduled; • Once the SCRCA receives the response from the Planner at the Town of P-W staff of the SCRCA can review and determine if there is a possible mediated resolution that is acceptable to all parties, and possibility of aligning policy/definitions with the Town; • The Board acknowledges the Authority solicitor mediate the permissible development area;
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ST. CLAIR REGION CONSERVATION AUTHORITY REGULATIONS ACTIVITY REPORT- VIOLATIONS AND CORRECTIVE ACTIONS

March 31, 2014

TO: SCRCA Chair and Board of Directors

SUBJECT: Enforcement- Section 28 Status Report – Development, Interference of Wetlands and Alterations to Shorelines and Watercourses Regulation

FROM: Dallas Cundick, Environmental Planner/Regulations Officer

File	Background
<p>FV # 201216</p> <p>2894 Old Lakeshore Road Lot 4, Concession 9 Geographic Township of Sarnia, County of Lambton</p> <p>Official Violation Notice Sent</p> <p>Notice of Violation Letter sent to agent (son of landowner) September 27, 2012</p> <p>Notice of Violation Form sent to agent (son of landowner) September 27, 2012</p> <p>Formal Letter outlining Authority Requirements sent March 13, 2013;</p> <p>Deadline for Action</p> <p>Statute of Limitations 2 years from date Authority made aware of violation;</p> <p>September 27, 2012 Authority sent notice of violation;</p> <p>September 27, 2014 statute of limitations expires;</p> <p>3 months and 1 day until Sept 27, 2014;</p>	<ul style="list-style-type: none">• Conducted site investigation October 4, 2012;• Unauthorized deck construction works along the Lake Huron Shoreline on the subject property had occurred in violation of Section 28 of the <i>Conservation Authorities Act</i>, as landowner did not apply or receive approval to carry out these works;• Authority staff met with the proponents on October 26, 2012 and outlined Authority's role in hazard land management and reasons for concerns with deck structure;• Authority staff advised that deck must be removed, and discussed options for relocating to area of decreased risk;• Authority Staff contacted the City of Sarnia to determine ownership of land where the deck has been constructed;• Deck appears to be off the landowners property and on an area of land between the water's edge and the subject property;• City of Sarnia to look into ownership of the land and determine if city owns the land in the location of the constructed deck;• Authority staff awaiting confirmation from City of Sarnia on landownership situation before proceeding accordingly;• City responded to the Authority that the Registry Office indicated any unpinned property belonged to the Crown, therefore it is not City property. While some maps may indicate the structure extends beyond the homeowners' property, the only way to know for sure would be to have a surveyor go out there;• Authority staff to proceed with formal letter to the proponent outlining Authority requirements;• Proponent responded to the Authority March 27, 2013 via solicitor that they will be proceeding with an application for the works undertaken with modifications to meet SCRCA policy;• CA Staff met with Landowner and solicitor on Tuesday, May 21, 2013 on site to discuss;• Landowner was quite adamant that removing the structure is not an option for them;• Discussion was mostly on what investigations/reports/modifications/etc. needed to be completed to allow deck structure to remain somewhere on the property;• Following the meeting the solicitor responded formally with a written response to the Authority (received May 25, 2013), that they will be retaining the services of a qualified professional coastal engineer to review the works undertaken and complete a report on the dynamic beach, structure, coastal processes, impacts, and recommendation, etc.;• Follow up correspondence sent September 4, 2013 stating;• The Authority requires that you provide written correspondence to the Authority by October 6, 2013, indicating if you have indeed retained the services of Shoreplan Engineering, and the date at which you will be submitting an application for the works undertaken with modifications to meet SCRCA policy as per correspondence sent to you from the Authority dated March 13, 2013, including an assessment completed by a qualified professional engineer with experience in coastal processes (Shoreplan) ensuring that deck is not negatively impacting coastal processes (Deck must be located outside defined portions of the Dynamic Beach Hazard and design must minimize impact to dune area). Confirmation from Shoreplan Engineering that they are working on Shoreline Hazard Assessment should be submitted to the Authority with your correspondence.• The Authority requires that subject violation is resolved. If the Authority is not satisfied that adequate measures are being undertaken to submit an application for the works undertaken with modifications to meet SCRCA policy as outlined in correspondence from the Authority to the proponent March 13, 2013, or the unauthorized deck

	<p>construction is not removed from the property by October 6, 2013, the Authority will proceed with further legal action as specified under the <i>Conservation Authorities Act</i>.</p> <ul style="list-style-type: none"> • Letter from solicitor received October 2, 2013; • Noted that Shoreplan Engineering visited the property and will be retained, they attached a letter they sent to Shoreplan stating this; • Letter stated that their still remains an issue with respect to the location of the important northerly boundary of the property which in the solicitors legal view would be approximately 10 ft. north of the bank; • They asked that the Authority allow them until the end of November to obtain and review the Shoreplan Engineering Report and to allow them to provide a legal opinion with respect to confirming the northerly limits to the property in question; • Shoreplan Engineer contacted the SCRCA in Late November to confirm he had been retained and that he would be working on Shoreline Assessment in December; • Staff from SCRCA sent Shoreplan background on file and the shoreline hazard information; • Jan 24, 2014, Staff of SCRCA emailed Shoreplan for update on shoreline assessment, no response from Shoreplan to date; • February 4, 2014 staff contacted solicitor of the landowner for status in respect to providing a legal opinion with respect to confirming the northerly limits to the property in question; • Solicitor to contact the landowner and see where they are at with Shoreplan review, and provide legal letter to SCRCA on this and property ownership issue; • Authority staff re-iterated that structure needs to be removed from the hazard (dynamic beach limit) and that the Authority requires that subject violation be resolved; • If the Authority is not satisfied that adequate measures are being undertaken to submit an application for the works undertaken with modifications to meet SCRCA policy as outlined in correspondence from the Authority to the proponent March 13, 2013, or the unauthorized deck construction is not removed to a location outside the dynamic beach hazard, the Authority will proceed with further legal action as specified under the <i>Conservation Authorities Act</i>.
<p><u>UPDATE – April 7, 2014</u></p>	<ul style="list-style-type: none"> • Feb 21, 2014, staff of the SCRCA received survey and legal opinion that the deck and boardwalk are located on the subject property from the solicitor; • March 28, 2014, staff of the SCRCA received letter from the Solicitor that the report from Shoreplan Coastal Engineers is complete and in their possession. They are forwarding a copy of the report to the SCRCA for our records, solicitors view is that the Shoreplan report and the survey with previous correspondence will address the concerns of the SCRCA; • April 7, 2014, staff called the solicitors office as the Shoreplan report has not been received to date; • Staff to review the Shoreplan report when received;
<p><u>UPDATE – June 6, 2014</u></p>	<ul style="list-style-type: none"> • April 8, 2014, SCRCA received the Shoreplan Report which states; <ul style="list-style-type: none"> ○ Location of upper most 32 by 32 ft. deck meets the requirements of the SCRCA Shoreline Polices; ○ Case can be made for retention of 16 ft. by 16 ft. deck with some modifications, but this will require further analysis; ○ Recommend removal of the walkway to the beach; ○ Rationale; <ul style="list-style-type: none"> ▪ Flood hazard limit to their calculation is 6 to 10 m closer to the lake so all components outside the flood hazard; ▪ Upper deck well outside any stable slope allowance;

	<ul style="list-style-type: none"> ▪ Area above the top of the bank is not an active dune and does not exhibit characteristics of active dune, upper deck is outside defined portions of the dynamic beach; ▪ Upper 32 by 32 deck will not have negative impact to coastal processes; ▪ If owner is prepared to accept approach, Shoreplan could carry out a more detailed survey, determine wave uprush and develop a beach restoration plan, this may allow SCRCA to accept the smaller deck at its present location; ▪ Access walkway from lower deck to lake is to be removed;
	<ul style="list-style-type: none"> • The SCRCA sent letter dated May 23, 2014 stating that the Authority is satisfied that the concerns set out in our letter of March 13, 2013 and the potential regulatory charges against Ms. Dobbin, have been adequately addressed provided that; <ul style="list-style-type: none"> ▪ The access walkway from the lower deck toward the lake is removed; ▪ The smaller 16 ft. by 16 ft. lower deck is removed, or Shoreplan Engineer is retained to carry out a more detailed survey of the area, determine wave uprush more accurately and develop a beach restoration plan.
<u>UPDATE – September 4, 2014</u>	<ul style="list-style-type: none"> • June 9, 2014 – SCRCA received letter from solicitor that he has been directed by the landowner to retain Shoreplan Engineering to carry out a more detailed survey of the area, determine wave uprush more accurately and develop a beach restoration plan, and will be contacting the SCRCA with timeframe for completion of necessary works; • June 30, 2014 – SCRCA received letter from solicitor stating that they had been in contact with Shoreplan and expect to receive an estimate in regard to timeframe for completion of the plan soon and they would advise further upon hearing from Shoreplan; • July 18, 2014 - SCRCA received letter from solicitor stating that they have discussed with Shoreplan and the expense for the necessary works was unanticipated by the landowner. The solicitor was advised by clients that they would be more than happy to control access to the beach and restore the bank vegetation as reasonably directed by the SCRCA; • July 31, 2014 – SCRCA sent correspondence to solicitor and landowner that it is our understanding that the landowner is not proceeding with a Shoreplan Report and Beach Restoration Plan, and that the following must be completed by August 20, 2014; remove the access walkway from the lower deck toward the lake, and remove the smaller 16 ft.by 16 ft. lower deck; • August 18, 2014 – SCRCA received correspondence from the landowner that they completed the removal of the 2 pieces of ramp/walkway/deck from their current location, and they attached photos to verify. This appears to meet the Authority's requirements for removal of the ramp/walkway/deck in order to close the subject violation; • Staff of SCRCA to arrange site visit the month of September to discuss bank/shoreline restoration works;

File	Background
<p>FV # 201402</p> <p>6430 West Parkway Drive Lot 6, Concession 19 Geographic Township of Bosanquet Municipality of Lambton Shores County of Lambton</p> <p>Notice of Violation Correspondence sent to landowner via email August 7, 2014, Correspondence outlined Authority</p>	<ul style="list-style-type: none"> • Conducted site investigation August 1, 2014; • Unauthorized dune grading works along the Lake Huron Shoreline on the subject property had occurred in violation of Section 28 of the <i>Conservation Authorities Act</i>, as landowner did not apply or receive approval to carry out these works; • Authority staff met with the landowner on August 1, 2014 and outlined Authority's role in hazard land management and reasons for concerns with the dune grading works; • Landowner is willing to complete voluntary restoration to restore the dune elevations, restore the native vegetation, and enhance and promote dune development through protection of the natural dune vegetation. The Authority requires that the dune system and vegetation is restored, and will monitor this process to ensure that dune restoration is completed.

<p>Requirements to remedy the situation;</p> <p>Deadline for Action</p> <p>Statute of Limitations 2 years from date Authority made aware of violation;</p> <p>August 1, 2014 SCRCA met on-site with landowner;</p> <p>August 1, 2016 statute of limitations expires;</p>	<ul style="list-style-type: none"> • August 7, 2014 SCRCA staff sent correspondence outlining the required restoration works to ensure that dune restoration is completed to the satisfaction of the Authority; • August 14, 2014 landowner completed dune restoration works with small dozer to restore the dune elevations; • August 14, 2014 SCRCA staff visited the site and confirmed that dune restoration works to restore dune grades was completed; • August 15, 2014 SCRCA staff sent correspondence to the landowner that the works completed to restore the dune grades is a great start to the restoration works, and that for dune restoration works to be completed to the satisfaction of the SCRCA that proper fencing to trap sand and promote sand accumulation, and dune vegetation planting is to be completed; • August 19, 2014 landowner contact SCRCA and confirmed that he will have the fences erected by September 5, 2014, and will plant American Beach grass in late October to early December 2014 to add vegetation on dunes, as advised by Geoff Peach, Coastal Resources Manager as per conversation on August 11, 2014;
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Recommended and approved by:

Dallas Cundick, Environmental Planner/Regulations Officer

Melissa Deisley, Regulations Officer

Patty Hayman, Director of Planning

SCRCA Planning Activity Summary for June 2014

11.(ii)

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
FI 2014	BROOKE-ALVINSTON	BROOKE	LOT 3	CON 5	QUEEN STREET
FI 2014	BROOKE-ALVINSTON	BROOKE	LOT 8	CON 10	PETROLIA LINE
FI 2014	CHATHAM-KENT	CHATHAM	LOT 4	CON 1 GORE	BLUEWATER LINE
LL 2014	DAWN-EUPHEMIA	DAWN	LOT 25	CON 2	CUTHBERT ROAD
LL 2014	MIDDLESEX CENTRE	LOBO	LOT 12	CON 5	NAIRN ROAD
SEV B10/2014	PLYMPTON-WYOMING	PLYMPTON	LOT 26	CON 14	HUBBARD LINE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 5	CON FRONT	EGREMONT ROAD
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 17	CON FRONT	QUEEN STREET
FI 2014	SARNIA	SARNIA	LOT 63	CON 9	BEACH LANE
SEV 2014	SARNIA	SARNIA	LOT 4	CON FRONT	OLD LAKESHORE ROAD
FI 2014	SARNIA	SARNIA	LOT 33	CON 9	LAKSHORE ROAD
FI 2014	SARNIA	SARNIA	LOT 1	CON 9	LAKEVIEW TRAIL
FI 2014	SARNIA	SARNIA	LOT 1	CON FRONT	VIRGIL AVE
FI 2014	SARNIA	SARNIA	LOT 13	CON 8	BLACKWELL SIDEROAD
FI 2014	ST. CLAIR	SOMBRA	LOT B	CON 13	ST . CLAIR PARKWAY
VAR A13/14	ST. CLAIR	SOMBRA	LOT 19	CON 11	SMITH LINE
FI 2014	ST. CLAIR	SOMBRA	LOT F	CON 7	REEDY STREET
LL 2014	STRATHROY-CARADOC	ADELAIDE	LOT 22	CON 2 SER	WRIGHT STREET
FI 2014	STRATHROY-CARADOC	ADELAIDE	LOT 22	CON 3 SER	CENTRE ROAD
FI 2014	STRATHROY-CARADOC	ADELAIDE	LOT 19	CON 5 SER	PIKE ROAD
FI 2014	WARWICK	WARWICK	LOT 5	CON 6 NER	HICKORY CREEK LINE

SCRCA Planning Activity Summary for July 2014

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
ZBA 05/2013	ADELAIDE-METCALFE	ADELAIDE	LOT 7	CON 5 SER	MACKENZIE STREET
FI 2014	BROOKE-ALVINSTON	BROOKE	LOT 6	CON 7	SHILOH LINE
SEV B003/14	BROOKE-ALVINSTON	BROOKE	LOT 5	CON 6	SHILOH LINE
SEV B37/14	CHATHAM-KENT	CHATHAM	LOT 12	CON 2 GORE	NELSON STREET
EA 05 2014	CHATHAM-KENT	DOVER			SEYS LINE
FI 2014	DAWN-EUPHEMIA	EUPHEMIA	LOT 22	CON 6	DOWNIE ROAD
SEV B001/14	DAWN-EUPHEMIA	DAWN	LOT 21	CON 13	LANGBACK LINE
FI 2014	LAMBTON SHORES	BOSANQUET	LOT 64	CON WEST OF	WOOD DRIVE
VAR 08/2014	LAMBTON SHORES	BOSANQUET	LOT 71	CON WEST OF	OAK AVE
VAR 09/2014	LAMBTON SHORES	BOSANQUET	LOT 77	CON WEST OF	CEDARVIEW DRIVE
OP 2014	LAMBTON SHORES	BOSANQUET	LOT 1	CON 1	
SEV B5/2013	LAMBTON SHORES	BOSANQUET	LOT 2	CON 19	EAST PARKWAY DRIVE
FI 2014	MIDDLESEX CENTRE	LOBO	LOT 5	CON 8	ILDERTON ROAD
ZBA SEV	MIDDLESEX CENTRE	LOBO	LOT 5	CON 8	ILDERTON ROAD
EA 06 2014	MIDDLESEX CENTRE	LOBO	LOT 14	CON 7	IVAN DRIVE
FI 2014	MIDDLESEX CENTRE	LOBO	LOT 6	CON 8	ILDERTON ROAD
FI 2014	PETROLIA	ENNISKILLEN	LOT 15	CON 11	NORTH STREET
FI 2014	PETROLIA	ENNISKILLEN	LOT 13	CON 10	
SEV B12/14	PLYMPTON-WYOMING	PLYMPTON	LOT 2	CON 2	CONFEDERATION L INE
SEV B13/14	PLYMPTON-WYOMING	PLYMPTON	LOT 2	CON 2	CONFEDERATION LINE
VAR A06/2014	PLYMPTON-WYOMING	PLYMPTON	LOT 4	CON 7	OBRIEN ROAD

LL 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 15	CON 8	FISHER LINE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 1	FRONT	SANDPIPER TRAIL
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 1	FRONT	SANDPIPER TRAIL
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 23	CON FRONT	FERNE AVE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 32	CON FRONT	DOUGLAS LINE
VAR A05/2014	PLYMPTON-WYOMING	PLYMPTON	LOT 46	CON FRONT	LAKESIDE STREET
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 48	CON FRONT	MACK AVE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 3	CON 8	OBRIEN ROAD
FI 2014	SARNIA	SARNIA	LOT 72	CON FRONT	
FI 2014	SARNIA	SARNIA	LOT 54	CON 9	HAIGHT LANE
OPA AND ZBA	SARNIA	SARNIA	LOT 10	CON 9	WATERWORKS LINE
FI 2014	ST. CLAIR	MOORE	LOT 23	CON 11	HIGHWAY 40
OP 2013	ST. CLAIR	SARNIA	LOT 1	CON 1	
LL 2014	ST. CLAIR	MOORE	LOT 20	CON 10	PETROLIA LINE
FI 2014	ST. CLAIR	SOMBRA	LOT 23	CON 14	STANLEY LINE
LL 2014	ST. CLAIR	SOMBRA	LOT D	CON 9	ST. CLAIR PARKWAY
SEV B5/14	STRATHROY-CARADOC	ADELAIDE	LOT 22	CON 2 SER	WRIGHT STREET
FI 2014	STRATHROY-CARADOC	CARADOC	LOT 17	CON 6	MCEVOY ROAD
FI 2014	STRATHROY-CARADOC	CARADOC	LOT 10	CON 10	CARROL STREET WEST
GI 2014	STRATHROY-CARADOC	ADELAIDE	LOT 25	CON 3 SER	METCALFE STREET EAST
VAR A01/2014	WARWICK	WARWICK	LOT 14	CON 7 NER	TOWNSEND LINE

SCRCA Planning Activity Summary for August 2014

File Ref.	Municipality	Geographic Twp	Lot	Concession	Street
FI 2014	ADELAIDE-METCALFE	METCALFE	LOT 5	CON 5	MELWOOD DRIVE
SEV B04/14	ADELAIDE-METCALFE	ADELAIDE	LOT 18	CON 5 SER	NAPPERTON DRIVE
FI 2014	BROOKE-ALVINSTON	BROOKE	LOT 10	CON 8	LITTLE IRELAND ROAD
FI 2014	CHATHAM-KENT	DOVER	LOT 11	CON 13	MCDONALD STREET
SEV B10/14	MIDDLESEX CENTRE	LOBO	LOT 8	CON 8	ILDERTON ROAD
LL 2014	MIDDLESEX CENTRE	LOBO	LOT 5	CON 8	EGREMONT DRIVE
LL 2014	MIDDLESEX CENTRE	LOBO	LOT 9	CON 4	COLDSTREAM ROAD
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 39	CON FRONT	BLUEPOINT DRIVE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 20	CON FRONT	BEVERLY GLEN/FERNE
FI 2014	PLYMPTON-WYOMING	PLYMPTON	LOT 10	CON 5	LONDON LINE
FI 2014	SARNIA	SARNIA	LOT 61	CON 9	TUDOR CLOSE WEST
SEV B09/14	ST. CLAIR	SOMBRA	LOT 1	CON 10	RICHARD GATE
LLO 2014	STRATHROY-CARADOC	CARADOC	LOT 12	CON 9	ADELAIDE ROAD
GI 2014	WARWICK	WARWICK	LOT 19	CON 5 SER	BOND STREET

File Reference Codes:

CZ - Comprehensive Zoning
ZBA - Minor Zoning Bylaws and Amendments
OP(A)-Official Plan(Amendments)
TC-Tree Cutting

SEV - Severances
VAR - Variances
EA/PLEA-Environmental Assessments
SUB-Subdivision

GI - General Inquiry
LL - Legal Inquiries/Letters
SP-Site Plan
DAR-Development Assessment Review

FI - Regulations Inquiry
NM - Nutrient Management
PTTW- Permit to Take Water
SPA-Site Plan Approval

Meetings

June

June 2 – Outreach and education committee, C. Lafrance, D. Strang
 June 3 – Enbridge Conference Call Re: Integrity Digs – M. Deisley, D. Cundick
 June 5 – SW CA Planning and Regulations BMP day @UTRCA – P. Hayman, D. Cundick
 June 10- AOC Habitat Committee meeting - C. Lafrance, A. Seidler, D. Strang
 June 10 – AOC Symposium Planning Meeting, Port Huron, Michigan – D. Strang
 June 10 – Binational Public Advisory Council meeting, Port Huron, Michigan – C. Lafrance, D. Strang
 June 11 – All CA Coastal Working Group@ HRCA - P. Hayman
 June 12 – Planners mtg re Dawn Euphemia OP W. Nywening, R. Nesbit @SCRCA – P. Hayman and D. Cundick
 June 16 – Planners mtg re R. Dowswell property, Sarnia on Cow Creek/Lakeshore Sarnia planners – P. Hayman
 June 17 – MOE District office staff meeting – C. Lafrance, D. Strang
 June 18 – Sarnia Official Plan public meeting @ St Annes school – P. Hayman
 June 19 – Conservation Ontario Communications Meeting, Toronto, Ontario – R. Battson, D. Strang
 June 23 – Lake Erie Status teleconference – C. Lafrance
 June 24 – Friends of the St. Clair River – C. Lafrance

July

July 3 – Sarnia preconsultation Cty/City planners mtg re M Huzewa property Cow/new Lakeshore Rd – P. Hayman
 July 7 – Lambton County Planning MOA mtg D. Posliff @SCRCA – P. Hayman
 July 8 – Consent condition mtg with Browns, Middlesex Ctre @SCRCA – P. Hayman
 July 8 – Enbridge Pipelines Discussion Regarding Integrity Dig Permits – M. Deisley, D. Cundick
 July 10 – Regulations solicitor mtg Grant Inglis re Cores – P. Hayman, D. Cundick
 July 12 – Aamjiwnaang Environmental Carnival – D. Strang
 July 16 – Walpole Island Fish Collection for Tumour analysis – C. Lafrance, D. Strang
 July 22 – AOC Symposium Planning Meeting, Port Huron, Michigan – D. Strang
 July 23 – Great Lakes Sustainability Fund Announcement, Sarnia, Ontario – D. Strang
 July 25 – SCRCA internal Regulations mtg BM. MD, GS, PH, DC

August

August 5 – BPAC meeting – D. Strang
 August 12 – Canadian RAP Implementation meeting – D. Strang, C. Lafrance
 August 21 – Tour of Shell sewage treatment facilities – D. Strang, C. Lafrance
 August 27 –WIFN councilors AOC briefing – C. Lafrance
 August 27 – CK OPA 28 mtg with MNR H. Riddell, MMAH T. Ryall, LTVCA Val T, CK planners M. Coyne, Ryan – P. Hayman

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

Municipal drain June 12 – September 1, 2014 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			2014 June 12		
FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2356	DAWN-EUPHEMIA	DAWN	HUNT DRAIN	BOTTOM CLEANOUT	1
2358	DAWN-EUPHEMIA	DAWN	WILLIAMS AND LEATHERBY DRAIN	BOTTOM CLEANOUT	1
2360	DAWN-EUPHEMIA	DAWN	ORVIL GOULD DRAIN	BOTTOM CLEANOUT	1
2364	DAWN-EUPHEMIA	DAWN	PHAIR DRAIN	BOTTOM CLEANOUT	1
2363	DAWN-EUPHEMIA	DAWN	2 ND CONCESSION DRAIN	CULVERT REPLACEMENT	1
2365	DAWN-EUPHEMIA	DAWN	CANADA COMPANY DRAIN	BOTTOM CLEANOUT	1
2366	DAWN-EUPHEMIA	DAWN	BROOKE-ENNISKILLEN-DAWN TOWNLINE DRAIN	CULVERT REPLACEMENT	1
2367	DAWN-EUPHEMIA	DAWN	BOYLE DRAIN	CULVERT REPLACEMENT	1
2368	DAWN-EUPHEMIA	DAWN	REID DRAIN	CULVERT REPLACEMENT	1

2369	DAWN-EUPHEMIA	DAWN	MCLELLAN #2 DRAIN	PIPE JUNCTION BOX OR CATCHBASIN MAINTENANCE AND REPAIR	1
2357	DAWN-EUPHEMIA	EUPHEMIA	KELLY-MCMASTER DRAIN	BOTTOM CLEANOUT	1
2370	DAWN-EUPHEMIA	EUPHEMIA	MARTIN CREEK DRAIN	CULVERT REPLACEMENT	1
2353	SARNIA	SARNIA	LUCKINS DRAIN WEST	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK, WASHOUT REPAIR	4
2354	SARNIA	SARNIA	HIND DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK, WASHOUT REPAIR	4
2355	SARNIA	SARNIA	BEER DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK, WASHOUT REPAIR	4
2350	ST. CLAIR	MOORE	RANKIN DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2351	WARWICK	WARWICK	MOFFATT-CARROLL DRAIN	FULL CLEANOUT	1

SCRCA DART Files

2014 July

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2395	ADELAIDE-METCALFE	ADELAIDE AND METCALFE	RAPLEY DRAIN	BRUSHING BANK SLOPE, BRUSHING TOP OF BANK, BOTTOM CLEANOUT	3
2396	ADELAIDE-METCALFE	METCALFE	GUILFOYLE DRAIN	BRUSHING BANK SLOPE, BRUSHING TOP OF BANK, BOTTOM CLEANOUT BOTTOM ONLY	3
2378	CHATHAM-KENT	CAMDEN	HELDSOME DRAIN	CLEANOUT, BRUSHING BANK SLOPE	2
2400	CHATHAM-KENT	CAMDEN	VANCE DRAIN	BRUSHING BANK SLOPE, BOTTOM CLEANOUT	2
2371	CHATHAM-KENT	CHATHAM	GRAY DRAIN	CULVERT REPLACEMENT	1
2376	CHATHAM-KENT	CHATHAM	DANFORTH CREEK DRAIN	SPOT CLEANOUT, BRUSHING BANK SLOPE	2
2377	CHATHAM-KENT	CHATHAM	MILLS DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2388	CHATHAM-KENT	CHATHAM	PURDY CREEK DRAIN	BRUSHING BANK SLOPE, BANK STABILIZATION	1
2389	CHATHAM-KENT	CHATHAM	DAVIS DRAIN	BRUSHING BANK SLOPE, BOTTOM CLEANOUT	2
2372	DAWN-EUPHEMIA	DAWN	STANLICK-BABCOCK DRAIN	CULVERT REPLACEMENT	1
2373	DAWN-EUPHEMIA	DAWN	THOMPSON DRAIN	BOTTOM CLEANOUT	1
2374	DAWN-EUPHEMIA	DAWN	JORDAN TAP DRAIN	BOTTOM CLEANOUT	1
2375	DAWN-EUPHEMIA	DAWN	JOHNSON DRAIN	BOTTOM CLEANOUT	1
2379	DAWN-EUPHEMIA	DAWN	SYMS AND MCNEIL DRAIN	BOTTOM CLEANOUT	1
2380	DAWN-EUPHEMIA	DAWN	NAYLOR DRAIN	BOTTOM CLEANOUT	1
2381	DAWN-EUPHEMIA	DAWN	W.M. KNIGHT DRAIN	BOTTOM CLEANOUT	1
2382	DAWN-EUPHEMIA	DAWN	HILL AND THOMAS DRAIN	BOTTOM CLEANOUT	1
2383	DAWN-EUPHEMIA	DAWN	APTHORPE DRAIN	BOTTOM CLEANOUT	1
2384	DAWN-EUPHEMIA	DAWN	BOOTH CREEK DRAIN	BOTTOM CLEANOUT	1
2385	DAWN-EUPHEMIA	DAWN	BLAKE DRAIN	BOTTOM CLEANOUT	1
2386	DAWN-EUPHEMIA	DAWN	STEVENSON DRAIN	BOTTOM CLEANOUT	1
2387	DAWN-	DAWN	PAUL DRAIN	BOTTOM CLEANOUT	1

	EUPHEMIA				
2393	DAWN- EUPHEMIA	DAWN	12 TH CONCESSION RD DRAIN	BOTTOM CLEANOUT	1
2391	DAWN- EUPHEMIA	DAWN AND EUPHEMIA	THOMPSON AND BROWN DRAIN	BOTTOM CLEANOUT	1
2392	DAWN- EUPHEMIA	DAWN AND EUPHEMIA	MCLAREN DRAIN	BOTTOM CLEANOUT	1
2390	DAWN- EUPHEMIA	EUPHEMIA	GRAHAM DRAIN	BOTTOM CLEANOUT	1
2412	ST. CLAIR	SOMBRA	ANNETT DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2359	WARWICK	WARWICK	COOK DRAIN	FULL CLEANOUT	1

SCRCA DART Files

2014 August

FHR #	Municipality	Geographic Township	Drain Name	Project Description	SCRs Issued
2407	BROOKE-ALVINSTON	BROOKE	LOGAN DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK	3
2408	BROOKE-ALVINSTON	BROOKE	GENTLEMAN DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK	3
2409	BROOKE-ALVINSTON	BROOKE	PATTERSON BELL DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE, BRUSHING TOP OF BANK	3
2404	CHATHAM-KENT	CHATHAM	INDIAN CREEK DRAIN	BRUSHING BANK SLOPE, BOTTOM CLEANOUT, CULVERT REPLACEMENT	3
2405	CHATHAM-KENT	CAMDEN	FLOCKHART DRAIN	BRUSHING BANK SLOPE, BOTTOM CLEANOUT	2
2411	ST. CLAIR	MOORE	GOVERNMENT DRAIN NO.10	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2413	ST. CLAIR	MOORE	BROWN DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2406	STRATHROY-CARADOC	CARADOC	YSEBERT DRAIN	BRUSHING BANK SLOPE, BRUSHING TOP OF BANK	2
2410	WARWICK	WARWICK	BRANCH No.1 OF LADELL DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2
2414	WARWICK	WARWICK	KILMER DRAIN	BOTTOM CLEANOUT, BRUSHING BANK SLOPE	2

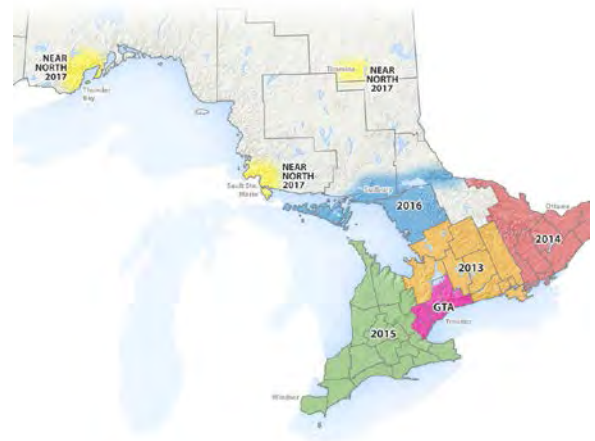
***Note**

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

To: Board of Directors
Date: August 29, 2014
From: Chris Durand, IT / GIS Coordinator
Subject: SWOOP 2015 – SouthWestern Ontario Ortho Photography 2015

Background

In the year 2010, the St. Clair Region Conservation Authority (SCRCA) obtained its most recent aerial imagery as a partner in the SWOOP 2010 Project. This project, led by the Ministry of Natural Resources (Land Information Ontario), consisted of a partnership of over 70 agencies to cover most of Southwestern Ontario. These partnerships in the past have allowed for significant cost savings for a common product that has been an invaluable mapping tool for all involved. The funding required by each partner varies and is proportional to the number of partners that wish to acquire imagery for a given area. As part of Ontario's Imagery Strategy, a new round of imagery is set to be acquired in the spring of 2015.



A Map of the Five Year Imagery Acquisition Plan

Project Costs

There are obvious significant cost savings through participation in this project. At this early stage it is estimated that the SCRCA's **partnership will cost the same or less than previous projects**. The cost of SWOOP 2010 totalled \$27,683.90 and it was recommended that the SCRCA budget a similar amount for 2015. If the SCRCA were to undertake this project on our own it would cost well over \$150,000.00. Additional costs to this project would include the necessary storage space for digital deliverables. Land Information Ontario has developed new access policies to encourage organizations to participate in acquisition projects while providing an equitable approach for all. Each organization pays only for their individual area of interest, with a minimum contribution of \$1,000. The total number of kilometres ordered by all organizations is used to calculate the overall 'shared' cost.

If the SCRCA does not participate, not only will the SCRCA not have the most up to date imagery and base as the clients it works with, but the cost for the partners (including Upper/Lower Tier Municipalities) will increase.

Timelines and Next Steps

On September 24th SCRCA staff will attend a partners meeting to gather further information. As in previous years, the SCRCA would be expected to sign a letter of intent to participate pending final SCRCA budget approval.

Recommendation

That the SCRCA continue to be a partner in the SWOOP 2015 project with an upset cost of \$30,000.

Staff Report

11.(v)



To: Board of Directors
Date: September 4, 2014
From: Claude Lafrance, Remedial Action Plan (RAP) Coordinator
Donna Strang, RAP Research Assistant

Subject: St. Clair River Area of Concern (AOC)

Celebrating the Removal of the Degradation of Aesthetics Beneficial Use Impairment (BUI)

A great day is planned for September 10, 2014, cruising on the St Clair River to help celebrate BPAC's recommendation to remove the Degradation of Aesthetics BUI. In the 1980s and 1990s the river was plagued by persistent slicks of oil, foul odours and sewer overflows following rain events. Kids would not swim in the river and some people actually feared being nearby. With the support of government, industry, volunteers and the public in general, that scene no longer occurs. The river is now enjoyed by all citizens and it has become a magnet attracting all who wish to recreate, swim, fish or simply enjoy a beautiful day by the river. The river has regained its beauty and attraction. Over 75 people celebrated and enjoyed cruising the river to get a full view of this beautiful resource. This is the third use impairment that has been removed in 4 years.



The Blue Water Bridge was just one of eight locations monitored over three years for aesthetically unpleasant observations. It was ranked as "Excellent" based on an Aesthetic Quality Index (AQI) applied to observations recorded at each monitoring location. These assessment approaches were used in determining the current status of this BUI (Photo Credit: SCRCA, 2012).

There will be more to come in the next several months!

2nd Biennial St. Clair River Area of Concern Symposium

September 18, 2014 is the date of the second biennial St. Clair River Area of Concern Symposium sponsored by the Binational Public Advisory Council (BPAC) at the Double Tree by Hilton Hotel in Port Huron, Michigan. The theme of this year's symposium is "Bridging the Environment and Economy". Presentations cover topics such as recent research on St. Clair River species and population dynamics, fisheries of the St. Clair River, drinking water monitoring, invasive species and new and emerging challenges facing the river. It is unfortunate that the date conflicted with the SCRCA September Board of Directors meeting. We will report back on how it went at the next Board of Directors meeting.

Beneficial Use Impairment (BUI) Re-Designation Update

Restrictions on Dredging Activities

The “Restrictions on Dredging Activities” BUI status assessment was accepted by CRIC at their January, 2014 meeting. It recommends that this BUI be re-designated from “impaired” to “not impaired”. Community consultation has been completed with Aamjiwnaang First Nation and it is currently under review by Walpole Island First Nation. Guidance on further community consultation is expected soon. If our partners agree, this should be the next BUI to be re-designated to “not impaired”.

Beach Closings

A draft report is currently being prepared for the “Beach Closings” BUI for the St. Clair River which is identified as “impaired”. The report will look at local remedial actions, *Escherichia coli* (*E. coli*) levels at beaches and swimming areas as well as comparisons between AOC and non-AOC beach closing frequencies. In addition, results of a DNA source track-down study at Centennial Park in Sarnia will be analysed. The source of *E. coli* was unclear at this site so a track-down study was designed to distinguish between human and avian sources (geese) of *E. coli*. Three years of beach monitoring data were collected through partnerships between the SCRCA, Lambton Public Health Unit, the Ministry of the Environment and Climate Change and the City of Sarnia.



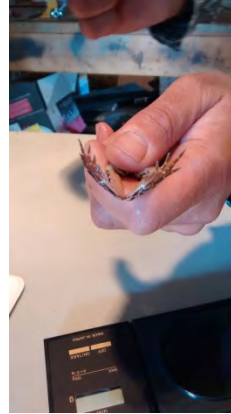
On July 12, 2014, St. Clair River AOC representatives attended the Environment Carnival put on by Aamjiwnaang First Nation to present and consult with the community on the “Restrictions on Dredging Activities” BUI. Approximately 100 community members participated throughout the day (Photo Credit: SCRCA, 2014).



Waterfowl at the Branton-Cundick swimming area along the St. Clair River. Feces from waterfowl are one of the sources of *E. coli* at local beaches (Photo Credit: SCRCA, 2012).

Bird and Animal Deformities or Reproductive Problems

Studies conducted by Environment Canada scientists over the past few years and as recently as this past July have found that the incidence of contaminants and deformities in young turtles and leopard frogs (*Lithobates pipiens*) are generally similar to other non-AOC sites in the Great Lakes Basin. Further sampling and analysis needs to be completed before a definitive conclusion is reached, but preliminary results look promising.



Leopard frogs were collected at Walpole Island in July 2014 and visually analyzed for deformities including missing limbs, eyes and abnormal growths (Photo Credit: SCRCA, 2014).

Fish Tumours or Other Deformities

The collection of Brown Bullhead (*Ameiurus nebulosus*) that began in 2013, continued at Walpole Island this summer to assess the prevalence of liver tumours. Currently 46 of the 100 fish required have been collected and livers processed and frozen until histological analysis. Next steps are currently being considered and may include using electrofishing equipment to catch the additional fish later in the Fall.



Brown bullheads are ideal for assessing impacts of contaminant levels in sediment as they are non-migratory and spend most of their life cycle in contact with sediment. Difficulties in catching the fish this summer were attributed to the cold winter (Photo Credit: SCRCA, 2014).

Great Lakes Sustainability Fund (GLSF) Announcement

On July 23, 2014, Dr. Colin Carrie, Member of Parliament for Oshawa and Parliamentary Secretary to the Environment Minister announced at Canatara Park, in Sarnia, Ontario, the 2014-15 funding provided to support projects in Canadian AOCs through the Great Lakes Sustainability Fund (GLSF). Many projects benefitting the St. Clair River are being supported this fiscal year including the "shoreline softening" project at Cathcart Park led by the SCRCA. Other recipients included the Rural Lambton Stewardship Network (RLSN) for wetland and riparian buffer creation and the City of Sarnia for implementation of their pumping-station real-time monitoring system to reduce overflows and bypasses to the St. Clair River.



From Left to Right: Richard Wyma, General Manager at the Essex Region Conservation Authority; Brian McDougall, General Manager at the St. Clair Region Conservation Authority; Dr. Colin Carrie, Member of Parliament for Oshawa and Parliamentary Secretary to the Environment Minister; April White, Great Lakes Areas of Concern Program Officer at Environment Canada; Kris Lee, Canadian Co-Chair of the Binational Public Advisory Council (BPAC) for the St. Clair River and Andre Morin, City Engineer for the City of Sarnia (Photo Credit: SCRCA, 2014).

Staff Report

11.(vi)



To: Board of Directors
Date: September 3, 2014
From: Patty Hayman, Director of Planning
Subject: Lambton County Memorandum of Agreement update including a discussion on Natural Heritage Planning Advisory commenting on a cost recovery basis

Background

The following motion was passed at the June 26, 2014 SCRCA Board of Directors meeting:

Motion #

That the Board of Directors recommends the draft Memorandum of Agreement for SCRCA Planning Services be forwarded to the Lambton County Planning Department for initial feedback with a reporting back to the Board on feedback received.

It is important to note and as presented at the June Board meeting, only Natural Hazards provincial policy (including the hydrologic protection of wetlands) has been delegated to Conservation Authorities. Natural Heritage protection under the PPS is the responsibility of the municipalities. The municipalities are the “approval authority” with upper tier conformity to Lambton County’s Official Plan.

Summary of Progress to date on Memorandum of Agreement:

- The attached Memorandum of Agreement (MOA) was discussed and circulated by the parties. This template follows similar area CA/Municipal MOA’s. Minor comments have been received to date from Lambton County Planning Department. Comments are forthcoming from the Ausable Bayfield Conservation Authority (Note – ABCA has a small area in Lambton County; North Lambton Shores which includes Port Franks and Grand Bend).
- As per discussions with the County, services for Natural Heritage planning advice and technical report review will be itemized and the municipality may indicate the services required.
- In formulating the appropriate planning application fees for Natural Heritage, technical and administrative staff met to discuss and assign appropriate rates and times. For the report reviews, staff researched consulting fees for Natural Heritage technical report review and have recommended an appropriate fee schedule based on the SCRCA retaining biologic and hydrologic expertise in house.
- For the purposes of Planning applications circulated to the SCRCA, a minimal increase in fee for Natural Heritage commenting and advice is noted. See the attached proposed 2015 Planning and Regulations Fee schedule; worksheets that are duplicated in the overall 2015 complete SCRCA proposed Fee Schedule included in this Board package under the Finance section.
- A presentation of the Memorandum of Agreement is scheduled for the Lambton County Clerks Association meeting September 25, 2014.

Natural Heritage cost recovery

1. Planning Applications (ie. consents, ZBA's, OPA's)

Noncomplex

Generally, if a consent (severance) or ZBA/OPA is not complex, the additional Natural Heritage review is not a significant review beyond the CA's delegated responsibility, if a Natural Hazard (CA Regulation) is present as well. However, applications with only Natural Heritage features/adjacent lands present, (ie. significant woodlands/adjacent lands) require the initial file startup plus more detailed screening of provincial databases, mapping and reference to the provincial Natural Heritage technical manual and interpretation.

Biologist/Ecologist review

Rate = \$45.00/hr (includes benefit/payroll costs)

Time required

1.5 hour screening/review of documents

2 hour site inspection (incl travel return)

3 hours drafting report including technical reference review, phone calls/emails with applicant, planner etc.

= ~\$300.00

Complex

Official Plan Amendment – includes complex natural heritage review, ie 4 season inventory reviews, in depth botanical site inspection initially particularly if encroachment into heritage feature, multiple cross peer reviews; ie engineering, hydrogeology, geotechnical

Biologist/Ecologist or review

Rate = \$45.00/hr (includes benefit/payroll costs)

Time required

3 hour screening/review of documents

2 hour site inspection with municipal staff and technical team (including travel return)

6.5 hours substantial technical report with higher potential risk (ie challenges, OMB), includes preconsultation meetings, technical meetings with review team, phone calls/emails with applicant, planner etc.

= ~\$500.00

2. Technical report review

Scoped or Screening type Environmental Impact Studies (EIS) or Development Assessment Reports (DAR) reviews

Same rate as above in #1

2 hours meeting with municipal staff/proponent consultant

2 hours review of report

2 hours drafting technical review report

= ~\$300.00

Full EIS or DAR review

Same rate as above in #1

This may be consulted out for peer review by the municipality. Quotes obtained indicate a minimum \$3,000.00-\$3,500.00 required for Full EIS or DAR review. A thorough knowledge of the site, plus detailed review of reports in length of typically 200-300 pages.

Multiple meetings, preconsultation, peer review team, municipal staff, proponent, proponent's consultant.

Internal Biologist, Planner, Engineering, Hydrogeologist, Regulations = \$2,000.00

External based on quote; quotes received for ecology/biology only expertise to date = minimum \$3,000.00 -3,500.00 (ie. quotes received for 2014 full DAR's - Strathroy Caradoc Metcalfe St and Petrolia Glenview Estates).

=~\$2,000.00

Recommendation

That the SCRCA continue to confirm natural heritage commenting services with member municipalities through an updated Memorandum of Agreement and that these costs be recovered by the proponent.

MEMORANDUM OF AGREEMENT

BETWEEN

ST. CLAIR REGION CONSERVATION AUTHORITY
AUSABLE BAYFIELD CONSERVATION AUTHORITY

AND

THE COUNTY OF LAMBTON

[JULY 2014 VERSION]

MEMORANDUM OF AGREEMENT

BETWEEN

**St. Clair Region Conservation Authority and Ausable Bayfield
Conservation Authority**

(Hereinafter referred to as the “Authority”)

AND

The County of Lambton

(Hereinafter referred to as the “County”)

1. PURPOSE

The purpose of this Memorandum of Agreement is to describe the framework within which the Authority will provide specified plan review and technical clearance services to the County.

2. ROLES AND RESPONSIBILITIES

A. ***The County and the Authority mutually agree that:***

- i) This Memorandum of Agreement is applicable to all parts of the County (herein called the “lands”);
- ii) The Authority has the expertise to provide to the County the services identified in this memorandum of agreement;
- iii) This Memorandum of Agreement does not preclude the Conservation Authority from commenting to the County from a Conservation Authority perspective, as they normally would, on an application circulated by the County under the Planning Act or any relevant legislation;
- iv) A protocol has been mutually developed and will continue to be adapted for application pre-screening, with the objective of further streamlining the process;
- v) A protocol has been mutually developed and will continue to be adapted to co-ordinate and enhance information/data sharing opportunities and responsibilities;
- vi) This Memorandum of Agreement may, by mutual agreement, be amended in writing from time to time, to reflect changes in legislation or provincial policies, and/or as a result of subsequent discussions between the parties;
- viii) Any party to this Memorandum of Agreement may terminate the agreement at any time by providing a minimum of 6 months written notice to the other party to the agreement.

- ix) The terms and fee schedule in this Memorandum of Agreement will be reviewed annually.

B. *The County commits to:*

- i) Provide an advisory service to the Authority and assist in developing guidelines and policy in respect to the Authority's responsibilities under the Memorandum of Agreement;
- ii) Circulate to the Authority applications as listed in Appendix A Schedule 1 for comment in accordance with pre-screening arrangements as agreed.
- iii) Collect those fees described as listed in Appendix B on behalf of the Authority, and forward these funds to the Authority with the application;
- iv) Provide assistance and/or share resources, subject to availability of resources, with respect to prosecutions, appeals, and other matters that come before municipal tribunals or other tribunals under the Act and Regulations;
- v) Retain consultants other than the Authority to provide the plan review and technical review services identified in this Memorandum of Agreement, when in the opinion of the County or the Authority, utilizing the Authority as specified in this Agreement could result in a conflict of interest for the Authority or where it is otherwise agreed that it would be in the best interest of the planning process;

C. *The Authority commits to:*

- i) Provide the County with those services listed in Appendix A Schedule 2, for the review of applications as listed in Appendix A Schedule 1, as well as applications such as policy and technical amendments sponsored by the County or a municipal council within Lambton County within the annual levy applied to the Authority programs supported by the municipalities that are part of the County, as supplemented by the review fee collected under 2(B)(iii).
- ii) Provide the County with those services listed in Appendix A, Schedule 2 on a fee for services basis, as per Schedule B
- iii) Provide its comments to the County within 30 calendar days of receipt of an application from the County or request an extension with reasons, for the following types of application: local official plan amendment, plan of subdivision/condominium, or comprehensive official plan;
- iv) Comment on whether the application complies with relevant sections of the Provincial Policy Statement in the plan review services it provides the County.
- v) Comment on whether the application complies with relevant sections of the Official Plan in the plan review services it provides to the County;

- vi) Participate in pre-consultation meetings for potential planning applications upon the request of the County;
- vii) Consider all relevant guidelines in the plan review and technical clearance services it provides the County;
- ix) Not disseminate or use any data, maps, information or other documents either received directly from the province or identified as “Provincial data” by the County, except as otherwise licenced or agreed upon by the licencing party/owner of the data;
- x) Not disseminate or use any data, maps, information or other documents either received directly from the County or identified as “County data” by the County, except as otherwise licenced or agreed upon by the licencing party/ owner of the data; and
- xi) provide expert testimony at an Ontario Municipal Board (OMB) hearing, as requested by the county or municipal legal staff. The municipality will provide the legal representation for Conservation Authorities at the OMB at the cost of the municipality as prearranged. Should the Conservation Authority attend the hearing for matters outside of this Memorandum of Agreement, the Conservation Authority will be responsible for retaining and paying for their own legal representation.

3. TIME FRAME FOR IMPLEMENTATION

- a) This Memorandum of Agreement will take effect on the 1st day of January of the year 2015.

The parties have duly executed this Memorandum of Agreement.

County of Lambton Date

St. Clair Region Conservation Authority Date

Ausable Bayfield Conservation Authority Date

Definitions

“Planning Application Review” , means:

- i. Reviewing planning applications (including formal consultation) under the *Planning Act*;
- ii. Identifying the need for and review of technical reports; and
- iii. Recommend conditions of approval.

“Technical Review” means:

Assessing technical reports submitted by a proponent of development to determine if the reports satisfy requirements specified

APPENDIX A – SCHEDULE 1

CIRCULATION STATUS BY APPLICATION TYPE

1. The County advises the Authority that under this Agreement it will circulate the following types of development/planning applications to the Authority for comment as per the items in Appendix A, Schedule 2:
 - Comprehensive Official Plans
 - Site-Specific Official Plan Amendments;
 - Site-Specific Plan of Subdivisions/Condominiums (except in City of Sarnia);

APPENDIX A ¹ – SCHEDULE 2

SERVICES TO BE PROVIDED BY THE CONSERVATION AUTHORITY ON A FEE FOR SERVICE BASIS (FEE TO BE RECOVERED FROM APPLICANTS)

- A) The Authority will undertake review and provide comments and recommendations, where appropriate, for the following features or areas:

FEATURE OR AREA	PPS ADJACENT LAND OR SETBACK WHERE CA TO PROVIDE INPUT IF REQUIRED	STATUS
Natural Hazard Area (CA delegated)¹ - lands within Regulation 171/06 and Regulation 147/06 - flooding - Erosion prone lands and unstable slopes - dynamic beach - significant wetlands - wetlands - significant coastal wetlands - coastal wetlands	- Subject property within this area 120 m hydrologic 30 m hydrologic 120 m hydrologic 120 m hydrologic	✓ ✓ ✓ ✓ ✓ ✓ ✓
Natural Heritage Features - Significant wetlands - Significant coastal wetlands - Significant valley lands - Significant woodlands - Significant wildlife habitat - Significant areas of natural and scientific interest - fish habitat - potential habitat of endangered species and threatened species	120 m 120 m 120 m 120 m 120 m 120 m 120 m 120 m	✓ ✓ not mapped ✓ ✓ ✓ ✓ ✓
Water -sensitive surface water features -Sensitive ground water features solely related to		✓ ✓

interaction with natural heritage features/functions		
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¹CA's have been delegated the authority to comment on Natural Hazards pursuant to MoU between Conservation Ontario, Ministry of Municipal Affairs and Housing and Ministry of Natural Resources.

B) The Authority will undertake plan review and make recommendations where appropriate for the following:

- Subdivisions & Condominiums;
- Site-Specific Local Official Plan Amendments; and

The fees for the above noted reviews will be recovered from the applicant/proponent and are outlined in Appendix B.

C) The Endangered Species Act is the responsibility of the Ministry of Natural Resources. The Conservation Authorities through agreement as outlined in Appendix A and B, screen applications and provide technical comments for potential habitat and provide information to the County.

TECHNICAL REPORT REVIEW SERVICES AND RESPONSIBILITY

(* RESONSIBILITY SERVICE REQUESTED)

ISSUE/CONCERN		CONSERVATION AUTHORITY	COUNTY	MINISTRY OF THE ENVIRONMENT	MINISTRY OF NATURAL RESOURCES
Natural Hazards	Floodline delineation	*			
	Erosion (incl shoreline, fluvial geomorphology)	*			
	Slope stability (geotechnical)	*			
	Hydraulics (riparian/channel design)	*			
Stormwater Management	Location re natural hazards	* (LEAD)	* (munic, lower tier)		
	Potential impacts to receiving watercourse	* (LEAD)	* (munic, lower tier)		
	Outlet to watercourse (if necessary)	* (Lead)	* (munic, lower tier)		
	Sizing of facility re quality, erosion, quantity, incl release rates/settling calculation	*	* (munic, lower tier - lead)	*	
Natural Heritage	wetlands	* (hydrog lead) ¹ <input checked="" type="checkbox"/>	* (lead)		*
	Significant wetlands	* (hydrog lead) ¹ <input checked="" type="checkbox"/>	* (lead)		* (lead in identification)
	coastal wetlands	* (hydrog lead) ¹ <input checked="" type="checkbox"/>	* (lead)		*
	Significant coastal wetlands	* (hydrog lead) ¹ <input checked="" type="checkbox"/>	* (lead)		* (lead in identification)
	Significant woodlands	<input checked="" type="checkbox"/>	* (lead)		
	Significant valleylands	* ² <input checked="" type="checkbox"/>	* (lead)		
	Significant wildlife habitat	<input checked="" type="checkbox"/>	* (lead)		
	Significant Areas of Natural and Scientific Interest	<input checked="" type="checkbox"/>	* (lead)		

	Fish habitat	<input checked="" type="checkbox"/>	*(lead; following DFO policy)		
	Habitat of endangered species and threatened species				*
	Natural Heritage systems	Pending Cty NHS completion/approval	*		

¹ wetlands regulated by CAs hydrologically (hydrog)

² valleys regulated by CAs (hazard lands)

Notes – Technical review fees for those CA * responsibility have been established and approved by CA Board.

Technical reports for sensitive surface water and groundwater studies solely related to natural heritage features/functions with exception of wetlands.

APPENDIX B – SCHEDULE 1A
SCRCA MUNICIPAL PLAN REVIEW
FEE SCHEDULE – COUNTY OF LAMBTON
REVISIONS UNDER REVIEW

APPLICATION REVIEW FEE:

Charged only for those applications circulated to the Authorities as per the pre-screening protocol.

Official Plan Amendment (Minor)	\$200.00 per application Natural Hazard \$300.00 per application Natural Heritage/combined
Official Plan Amendment (Major)	\$300.00 per application Natural Hazard \$500.00 per application Natural Heritage/combined
Plan of Subdivision(Condo)	\$100.00 per lot /unit to a maximum \$2,500.00
Processing Fee	\$100.00

NOTES AND DEFINITIONS:

1. The Authorities reserves the right to waive the application fee or reduce the fee on a case by case basis;
2. Official Plan Amendment (Major) – Official Plan Amendment which include complex Natural Hazard and Natural Heritage issues involving multiple peer reviews to be completed by SCRCA and/or other qualified professionals. The Authority reserves the

Memorandum of Agreement

right to determine what is considered to be a Official Plan Amendment (Major) on a case by case basis.

3. Fees for multiple applications made for the same parcel within one year will be discounted as follows:

First Application	-Full fee per lot/application
Additional Application	-50% of full fee per application/lot

4. The processing fee is charged in the following cases:
- Provision of a clearance letter for any application approved prior to March 29, 2006
 - Provision of an extension letter
 - Provision of a letter that is limited to minor changes whereby the design complies with SCRCA criteria established through a previous circulation (e.g. subdivision)

SCRCA TECHNICAL REPORT REVIEW FEE
APPENDIX B – SCHEDULE 1B
REVISIONS UNDER REVIEW

TYPE OF TECHNICAL REPORT	Fees
1. Site Plan i.e. Showing location of building envelopes, septic systems, wetlands, flood plain, slopes etc.	\$200.00
2. Scoped Impact studies and proposed mitigation measures for any proposal that is potentially impacted by natural hazards (riverine flooding, riverine slope stability, general slope stability)	\$300.00
3. Comprehensive Impact studies and proposed mitigation measures for any proposal that is potentially impacted by natural hazards (riverine flooding, riverine slope stability, general slope stability)	\$500.00
4. <i>Scoped</i> Environmental Impact Studies for proposed mitigation measures related to any natural heritage feature	\$300.00
5. Comprehensive Environmental Impact Studies for proposed mitigation measures related to any natural heritage features	\$2,000.00
6. Stormwater management studies and proposed facilities. This fee includes review of all Phases of SWM plans from preliminary or conceptual to final engineering design (Quality, Quantity and Sediment and Erosion Control).	\$500.00
7. Sediment and Erosion Control Plan	\$200.00
8. Hydrogeology Assessments	\$500.00
9. Subwatershed Study/Master Drainage Plan or Tributary Study	\$500.00
10. Any combination of two of the above	Sum of the two less \$100.00
11 Any combination of three of the above	Sum of the three less \$200.00

12. Any combination of four or more of the above	Sum of four or more less \$300.00
13. Technical report Terms of Reference/Workplan review (incl. 2 reviews/input	\$100.00

NOTES AND DEFINITIONS:

1. For the purpose of this fee schedule, Scoped impact studies are generally recommended in situations where the nature of the natural feature or hazard is well documented, similar development has been previously proposed, modelled and analysed, impacts are not expected due to the location or nature of a proposed development, and mitigation options have been displayed.
2. For the purpose of this fee schedule, Comprehensive impact studies are generally recommended in situations which are more complex, where information is lacking, or where the risk or significance of the impact is high.
3. The fee for the technical report review is to be paid by the proponent directly to the Authority
4. It is strongly recommended that the proponent pre-consult with the SCRCA and the County prior to preparation of a detailed technical report. See item 13 in above noted chart Schedule 1B.
5. Where a Section 28 permit approval is required in addition to the planning approval, the fee for the Conservation Authority permit may be discounted.
6. The fees in this Schedule will be assessed on a regular basis to ensure that the revenue generated is comparable to the operating costs to provide this service. Revisions to this Schedule may be implement through clause 2 (A)(ix) of this Agreement.
7. The fees for technical report review include one comprehensive report review and one revised report review. The Authority reserves the right to charge a processing fee or additional technical report fees for additional reviews.

SCRCA
Planning and Regulations
Proposed 2015 Fees
04-Sep-14

PLANNING SERVICE FEES	2014	2015		
		Natural Hazard	Natural Heritage ¹	Combined
Municipal Planning Advisory Service Fees				
Severance (per lot created)	\$200.00	\$200.00	\$300.00	\$300.00
Minor Variance	\$100.00	\$100.00	\$200.00	\$200.00
Zoning By Law Amendment	\$200.00	\$200.00	\$300.00	\$300.00
Official Plan Amendment				
Minor	\$200.00	\$200.00	\$300.00	\$300.00
Major - includes complex natural hazard and/or natural heritage issues involving multiple peer reviews	\$200.00	\$300.00	\$500.00	\$500.00
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
Site Plan application	\$200.00 (2010)	\$200.00, 100.00 value < \$50,000	\$500.00, \$250.00 value < \$50,000	\$500.00, \$250.00 if value < \$50,000
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 Environmental Assessment Act)		Natural Hazard	Natural Heritage¹	Combined
Minor (scoped)				
Report Review – ie. scoped impact studies, ie Environmental Impact Study (EIS or equiv), geotechnical 1 lot, coastal 1 lot equiv; and meet standards	\$300.00	\$300.00	\$300.00	\$500.00 (sum of two <\$100)
Major				
Report Review –comprehensive impact studies ie. Full EIS internal review of : floodline, coastal , hydrogeology, geotech, full EIS	\$500.00 - \$1000.00	\$500.00	\$2,000.00	\$2,400
Report review - external review		BOQ ² ie. Coastal or Geotech \$2,000.00 - 8,000.00	BOQ ² ie EIS \$2,000.00 -8,000.00	N/A
**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.				
***data sets - regulation limit mapping, ESA mapping & info, wetland mapping & info, benthic sampling data, water quality data, fish sampling				
¹ includes applicable adjacent lands				
² BOQ - based on quote				
Other non Planning 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
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)	\$200.00			
Minor - hazard line map; explanation of specific hazard, policy; 1 bldg envelope plan clearly outside hazard (1 time/5 hr junior)		\$200.00	\$300.00	\$300.00
Major - same as above but more indepth analysis of detailed site plan or bldg with dimensions (6 hour junior/senior)		\$300.00	\$400.00	\$400.00
Legal Inquiry - SCRC Regulation 171/06	\$100.00			\$100.00
Site Assessment (ie Terrestrial/Aquatic Ecosystem Review) plus reporting (2 hrs min)	\$90/hr plus exp.			\$90/hr plus exp.

Ontario Regulation 171/06 Review Fees	2014	2015
Application		
Reg fee reduced by Development inquiry fee if applicable.		
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
Environmental Assessment Act (private proponent) - minor		\$2,000.00
- major		\$5,000.00
DART review - Minor	\$200.00	\$200.00
DART review - Major (wetland)	\$600.00	\$600.00
Other Fees		
Golf course development/realignment	\$600.00	\$600.00
Application renewal	\$50.00	\$50.00
Application revisions beyond 2 resubmissions provided checklist acknowledged and notification provided in writing if checklist provided	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)		
**Standard - projects that meet SCRCA policies, routine technical analysis, may or may not require engineering		
***Major - projects that do not meet SCRCA policies, engineering often required. Not routine, requires CA/peer review engineering/ecological/fisheries review. May need review at Regs Committee +/-or Board of Directors		

Prepared By: Tracy Prince
August 20, 2014

CLAIR REGION CONSERVATION AUTHORITY
Statement of Revenue and Expenditure
For the Six Months Ended 30/06/2014

12.(i)

	Actual To Date			Annual Budget		Variance from Budget	
	Revenue	Expenditures	Surplus(Deficit)	Revenue	Expenditures	Revenue	Expenditures
Flood Control & Erosion Control	\$386,529	\$224,574	\$161,955	\$722,900	\$722,900	(\$336,371)	(\$498,326)
Capital Projects/WECI	\$217,470	\$223,765	(\$6,295)	\$432,520	\$432,520	(\$215,050)	(\$208,755)
Conservation Area's Capital Development	\$26,265	\$27,577	(\$1,312)	\$120,965	\$120,965	(\$94,700)	(\$93,388)
IT Capital	\$4,836	\$31,086	(\$26,250)	\$19,200	\$19,200	(\$14,364)	\$11,886
Equipment	\$4,836	\$418	\$4,418	\$0	\$72,000	\$4,836	(\$71,582)
Planning & Regulations	\$237,650	\$147,586	\$90,064	\$395,500	\$395,500	(\$157,850)	(\$247,914)
Technical Studies	\$361,065	\$58,606	\$302,459	\$216,777	\$216,777	\$144,288	(\$158,171)
Recreation	\$928,489	\$463,125	\$465,364	\$1,068,826	\$1,068,826	(\$140,337)	(\$605,701)
Property Management	\$132,815	\$114,831	\$17,984	\$300,487	\$300,487	(\$167,672)	(\$185,656)
Education and Communication	\$86,650	\$82,863	\$3,787	\$189,630	\$189,630	(\$102,980)	(\$106,767)
Source Water Protection	\$61,510	\$101,961	(\$40,451)	\$200,000	\$200,000	(\$138,490)	(\$98,039)
Conservation Services/Healthy Watersheds	\$723,044	\$467,896	\$255,148	\$1,157,724	\$1,157,724	(\$434,680)	(\$689,828)
Administration/AOC Management	\$611,145	\$510,962	\$100,183	\$915,630	\$915,630	(\$304,485)	(\$404,668)
	\$3,782,303	\$2,455,249	\$1,327,055	\$5,740,159	\$5,812,159	(\$1,957,856)	(\$3,356,910)

Notes:

1. The 2014 MNR Operating grant of 310,000 is recorded in the actual revenue reported above.
2. Municipal matching levies of \$273,500 have been invoiced and are recorded in the actual revenue reported above. See General Levy Report for amounts outstanding.
3. Annual budgeted revenue includes appropriations from reserves of \$357,830 which are not recorded in actual.
4. 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 Operations
AS AT June 30, 2014

	2014 Budget	2014	2013 Audit
Revenue			
Government Grants			
Section 39	310,000.00	-	310,003.00
Other	927,800.00	726,874.43	843,501.63
Municipal levies			
General	658,935.00	658,935.00	631,915.00
Other	328,265.00	10,980.00	463,175.60
Other Revenue			
Contributions	387,750.00	238,206.46	170,559.67
Miscellaneous	2,200,283.00	1,392,904.41	1,080,689.45
Interest	65,000.00	14,547.16	99,543.48
Conservation areas (Excluding Municipal Levy)	994,126.00	812,409.50	999,815.78
Transfers from reserves	-	-	0.00
General	-	11,294.15	
Unrealized gain (loss) on held-for-trading investments	-	-	(2,870.90)
Realized gain (loss) on held for trading investments	-	-	323.00
	<u>5,872,159.00</u>	<u>3,866,151.11</u>	<u>4,596,655.71</u>
 Expenditures			
Administration, Schedule 1	804,130.00	464,546.63	410,617.25
Capital development, Schedule 1	706,685.00	345,820.16	442,324.76
Operating, Schedule 2	2,992,031.00	1,150,110.40	2,407,322.76
Property management, Schedule 2	300,487.00	114,831.41	342,923.36
Conservation area maintenance, Schedule 3	1,068,826.00	463,124.95	1,011,201.00
	<u>5,872,159.00</u>	<u>2,538,433.55</u>	<u>4,614,389.13</u>
 Excess (deficiency) of revenues over expenditures before adjustments	-	1,327,717.56	(17,733.42)
 Adjustments for Tangible Capital Assets			
Acquisition of tangible capital assets	-		241,216.00
Amortization of tangible capital assets	-		(542,846.00)
Gain/(loss) on sale of tangible capital assets	-		8,232.00
Proceeds on sale of tangible capital assets	-		(14,030.00)
	<u>-</u>	<u>-</u>	<u>(307,428.00)</u>
 Excess (deficiency) of revenues over expenditures before adjustments	-	1,327,717.56	(325,161.42)

ST. CLAIR REGION CONSERVATION AUTHORITY
Administration and Capital Development Expenditures
AS AT June 30, 2014

	2014 Budget	2014 GL	2013 Audit
Administration			
Equipment rentals and purchases	34,000.00	6,756.65	13,809.00
Materials and supplies	18,000.00	13,216.75	30,932.00
Other	321,500.00	240,649.17	30,843.00
Travel expenses and allowances	23,000.00	3,318.05	23,540.00
Utility services	27,000.00	6,630.32	17,117.00
Wages and benefits	380,630.00	193,975.69	294,378.00
	<u>804,130.00</u>	<u>464,546.63</u>	<u>410,619.00</u>
Capital Development			
Conservation area development	120,965.00	27,576.60	98,475.00
Other	19,200.00	32,094.89	-
Vehicles and equipment	72,000.00	58,355.83	95,959.00
Water erosion control infrastructure	494,520.00	227,792.84	247,891.00
	<u>706,685.00</u>	<u>345,820.16</u>	<u>442,325.00</u>

ST. CLAIR REGION CONSERVATION AUTHORITY
 Operating and Property Management Expenditures
 AS AT June 30, 2014

	2014 Budget	2014 GL	2013 Audit
Operating			
Community relations			
Wages and benefits	169,500.00	75,503.30	105,532.00
Other	20,130.00	7,432.36	19,304.00
Conservation services			
Wages and benefits	297,100.00	120,107.59	259,364.00
Other	860,624.00	348,000.26	380,724.00
Erosion control			
Wages and benefits	19,000.00	-	43,207.00
Other	22,000.00	-	158,472.00
Flood control			
Wages and benefits	282,500.00	99,076.60	215,887.00
Other	97,000.00	57,441.69	131,220.00
Flood forecasting and warning			
Wages and benefits	133,000.00	41,953.32	106,425.00
Other	43,350.00	15,635.88	60,005.00
General			
Wages and benefits	177,500.00	72,465.44	120,515.00
Ice management			
Wages and benefits	4,000.00	1,754.86	3,500.00
Planning			
Wages and benefits	330,000.00	135,773.50	199,308.00
Other	116,500.00	13,117.74	62,604.00
Source water protection			
Wages and benefits	185,000.00	100,744.13	320,338.00
Other	15,000.00	1,216.46	27,546.00
Technical studies			
Wages, benefits and other	219,827.00	59,887.27	193,370.00
	<u>2,992,031.00</u>	<u>1,150,110.40</u>	<u>2,407,321.00</u>
Property Management			
Wages and benefits	116,000.00	70,131.21	191,663.00
Other	184,487.00	44,700.20	151,260.00
	<u>300,487.00</u>	<u>114,831.41</u>	<u>342,923.00</u>

ST. CLAIR REGION CONSERVATION AUTHORITY
Conservation Area Revenue and Expenditures
AS AT June 30, 2014

	2014			Audit		2013
	Revenue	Expenditure	Surplus (Deficit)	Revenue	Expenditure	Surplus (Deficit)
A.W. Campbell	211,673.84	95,448.68	116,225.16	273,960.07	240,522.21	33,437.86
Clark Wright	1,000.00	1,026.12	- 26.12	12,600.00	12,600.00	-
Coldstream	-	726.36	- 726.36	1,400.00	1,400.00	
Crothers	-	1,010.04	- 1,010.04	1,400.00	1,400.00	
Dodge	-	459.34	- 459.34	1,000.00	1,000.00	-
Henderson	243,657.73	95,188.01	148,469.72	272,245.40	240,377.18	31,868.22
Highland Glen	10,000.00	5,941.24	4,058.76	9,050.00	9,050.00	
McEwen	16,730.00	8,662.08	8,067.92	11,300.00	11,300.00	
Mclean	-	88,381.79	- 88,381.79			
Peers	56,602.84	2,478.68	54,124.16	47,303.54	47,303.54	
Petrolia	-	543.53	- 543.53	900.00	900.00	-
Shetland	765.00	1,545.83	- 780.83	9,540.10	9,540.10	-
Strathroy	10,000.00	10,247.87	- 247.87	18,500.00	18,500.00	-
Tony Stranak	-	2,749.77	- 2,749.77	7,900.00	7,900.00	-
Warwick	377,109.30	145,590.37	231,518.93	460,040.31	400,606.40	59,433.91
Wawanosh	950.00	3,125.24	- 2,175.24	8,801.61	8,801.61	-
	928,488.71	463,124.95	465,363.76	1,135,941.03	1,011,201.04	124,739.99
Transfer to deferrred revenue (Note 2)				(26,265.02)	-	26,265.02
Less: Municipal levy and donations	(116,079.21)	-	116,079.21	(109,860.23)	-	109,860.23
	812,409.50	463,124.95	349,284.55	999,815.78	1,011,201.04	- 11,385.26

ST. CLAIR REGION CONSERVATION AUTHORITY
Statement of Financial Position
AS AT June 30, 2014

12.(i)

	GL 2014	Audit 2013
Financial Assets		
Cash and cash equivalents	3,795,198.98	3,434,103.00
Investments (note	2,029,970.93	2,029,971.00
Accounts receivable	217,023.66	300,656.00
Prepaid Expenses	2,418.17	-
Long-term investments	37,927.00	37,927.00
	6,082,538.74	5,802,657.00
Restricted Assets (Note)		
Restricted Shares	339.00	339.00
Forestry	11,683.07	11,683.07
RLSN	-	-
Kent	-	-
MSN	356,590.89	414,113.09
Rondeau	2,389.00	(1.40)
Downsizing	20,632.98	20,632.98
Cash and cash equivalents	391,634.94	446,766.74
Accounts receivable - Stewardship Programs	-	-
	391,634.94	446,766.74
Total Financial Assets	6,474,173.68	6,249,423.74
Financial Liabilities		
Accounts payable and accrued liabilities	226,575.35	125,988.08
Accounts payable and accrued liabilities - Stewardship Programs	-	(0.00)
Deferred revenue	159,807.06	1,303,016.43
Due to Stewardship Programs (Note & Statement)	358,979.89	414,111.69
Total Financial Liabilities	745,362.30	1,843,116.20
Net Financial Assets	5,728,811.38	4,406,307.54
Non-Financial Assets		
Tangible Capital Assets, net of accumulated amortization (Notes & Schedule)	13,421,981.56	19,977,064.87
Net Assets	19,150,792.94	24,383,372.41
Conservation Authority Position		
Reserves and reserve funds (Statement 2 & 3)	5,734,023.56	4,406,307.54
Net Tangible Capital Assets	-	19,977,064.87
Current Year Depreciation	-	-
Total Conservation Authority Position	5,734,023.56	24,383,372.41

ST. CLAIR REGION CONSERVATION AUTHORITY
Statement of Cash Flows
AS AT June 30, 2014

12.(i)

	2014	2013 Audit
Cash provided by (used in)		
Operating activities		
Excess of revenue over expenditure (Statement 4)	1,327,717.56	(325,161.42)
Add items not involving cash:		
Amortization of tangible capital assets	-	542,846.00
Loss/(Gain) on disposal of tangible capital assets	-	(8,232.00)
Realized (gain) loss on held for trading investments	-	(323.00)
Unrealized (gain) loss on held for trading investments	-	2,870.00
	<u>1,327,717.56</u>	<u>211,999.58</u>
 Net changes in non-cash working capital balances:		
Accounts receivable	83,632.34	247,946.00
Accounts receivable - Stewardship Programs	-	113,396.00
Prepaid expenses	(2,418.17)	-
Accounts payable and accrued liabilities	100,587.27	(276,367.00)
Accounts payable and accrued liabilities - Stewardship Programs	0.00	(179,749.00)
Deferred revenue	(1,143,209.37)	203,554.00
Due to stewardship programs	(55,131.80)	(110,169.00)
	<u>311,177.83</u>	<u>210,610.58</u>
 Investing activities		
Purchase of investments	-	(1,030,197.00)
Proceeds from sale of investments	-	977,000.00
Long-term investments	-	(4,879.00)
	<u>-</u>	<u>(58,076.00)</u>
 Capital activities		
Acquisition of tangible capital assets	-	(241,216.00)
Proceeds on disposal of tangible capital assets	-	14,030.00
	<u>-</u>	<u>(227,186.00)</u>
 Increase (decrease) in cash and cash equivalents	 311,177.83	 (74,651.42)
 Cash and cash equivalents, beginning of year	 3,880,866.58	 3,955,518.00
 Cash and cash equivalents, end of year	 <u>4,192,044.41</u>	 <u>3,880,866.58</u>
 Represented by:		
Cash and cash equivalents	3,795,198.98	3,434,103.00
Restricted cash and cash equivalents	20,632.98	32,653.00
Stewardship Programs cash and cash equivalents	371,001.96	414,111.00
	<u>4,186,833.92</u>	<u>3,880,867.00</u>

ST. CLAIR REGION CONSERVATION AUTHORITY
DISBURSEMENTS FROM JUNE TO JULY 2014

12. (ii)
Diane Brodie

CHQ. #	DATE	VENDOR	DESCRIPTION	AMOUNT
15854	02/06/2014	LARRY MACDONALD CHEV OLDS	Vehicle Purchase	\$ 53,263.93
15855	02/06/2014	GRACEVIEW ENTERPRISES INC.	C. Wright - Holdback	\$ 9,888.48
15856	05/06/2014	ADVANTAGE FARM EQUIPMENT LTD.	Tractor Rental	\$ 2,938.00
15857	05/06/2014	ALS CANADA LIMITED	L. Shores - Water Testing	\$ 1,213.63
15858	05/06/2014	AQUA POOLS,PATIOS & SPAS	Pool Supplies	\$ 30.48
15859	05/06/2014	GLENN BAXTER	Expenses	\$ 319.81
15860	05/06/2014	BRODIES LTD.LAWNCARE &PEST CTR	Ant Control	\$ 367.25
15861	05/06/2014	BUFFETT, TAYLOR & ASSOCIATES	Group Ins. Benefits	\$ 10,442.90
15862	05/06/2014	CAMPBELLS OUTDOOR POWER EQUIP.	Lawn Mower Repair	\$ 28.32
15863	05/06/2014	CAS KWARCIAK ELECTRIC	Pump Repair - Warwick	\$ 583.35
15864	05/06/2014	CENTRAL SANITATION	Portables	\$ 288.15
15865	05/06/2014	CITY OF SARNIA	Rental - Clearwater	\$ 107.42
15866	05/06/2014	FOREST CITY LEASING	Photocopier- Rental	\$ 293.80
15867	05/06/2014	HAYTER PLUMBING & HEATING LTD.	Repairs - AWC	\$ 998.36
15868	05/06/2014	HILLEN NURSERY INC.	Trees	\$ 354.82
15869	05/06/2014	H.R. DESA ENTERPRISES LTD.	Worms -CA's	\$ 146.90
15870	05/06/2014	IMAGEWEAR A DIVISION OF MARK'S	Uniform	\$ 28.46
15871	05/06/2014	KYIS EMBROIDERY	Embroidery on Uniforms	\$ 18.08
15872	05/06/2014	LONDON FIRE EQUIPMENT LTD.	Extinguishers	\$ 1,052.04
15873	05/06/2014	MSD INC.	Picnic Tables	\$ 2,279.21
15874	05/06/2014	MIDDLESEX PRINTING CORPORATION	Printing - Annual Report	\$ 808.00
15875	05/06/2014	TIM PAYNE	Expenses	\$ 133.70
15876	05/06/2014	PETROLIA HOME HARDWARE	Supplies	\$ 214.47
15877	05/06/2014	PODOLINSKY FARM EQUIPMENT	Battery, S. Plugs	\$ 189.85
15878	05/06/2014	PUROLATOR COURIER	Courier Costs	\$ 95.79
15879	05/06/2014	RURAL LAMBTON STW. NETWORK	Grass Seed, Prairie Grass	\$ 4,941.87
15880	05/06/2014	SLOAN'S NURSERY & CHRISTMAS TR	Trees	\$ 7,136.63
15881	05/06/2014	STRATHROY WELDING AND REPAIRS	Bridge Extension -WWK	\$ 1,149.89
15882	05/06/2014	STRATHROY HOME HARDWARE BUILDI	Supplies	\$ 134.74
15883	05/06/2014	ST. WILLIAMS NURSERY & ECOLOGY	Trees	\$ 2,481.29
15884	05/06/2014	SUN MEDIA CORPORATION	Advertising	\$ 328.83
15885	05/06/2014	MIKE TIZZARD	Expenses & P. Cash	\$ 649.92
15886	05/06/2014	WARD, ROSS J.	Phone Cases	\$ 45.00
15887	05/06/2014	WINKELMOLEN NURSERY LTD.	Trees	\$ 3,009.76
15889	12/06/2014	P.CASH-D.BRODIE	Petty Cash	\$ 365.95
15890	12/06/2014	RILEY FADDEN	Expenses - W. Boots	\$ 100.00
15891	17/06/2014	21 SHELL & VARIETY	Gas - WWK	\$ 649.00
15892	17/06/2014	ACTON'S SERVICE CENTRE	Tires-Vehicle LCH	\$ 125.08
15893	17/06/2014	AQUA POOLS,PATIOS & SPAS	Pool Supplies	\$ 53.73
15894	17/06/2014	ARBORTECH PROFS. TREE CARE	Pool Supplies	\$ 1,477.48
15895	17/06/2014	ARCTIC GLACIER INC.	Ice	\$ 539.40
15896	17/06/2014	LISA ATKINSON	Expenses	\$ 47.89
15897	17/06/2014	CAMPBELLS OUTDOOR POWER EQUIP.	Chainsaw Equipment	\$ 632.52
15898	17/06/2014	JOHN CAMPBELL	Expenses	\$ 20.00
15899	17/06/2014	CENTRAL SANITATION	Portables	\$ 259.90
15900	17/06/2014	COINAMATIC	Vending Machine-CA	\$ 363.16
15901	17/06/2014	COJAN GREENHOUSES	Flowers - CA's	\$ 437.66
15902	17/06/2014	CONSERVATION ONTARIO	CA Levy	\$ 12,389.00
15903	17/06/2014	DUN-RITE LANDSCAPING INC.	Branch Cutting	\$ 203.40
15904	17/06/2014	FOREST AGRI SERVICES LTD.	Tree Supplies	\$ 124.98
15905	17/06/2014	FOREST CITY LEASING	Equipment Leases	\$ 257.64
15906	17/06/2014	GRAND RIVER CONS. AUTHORITY	Mussel Registration	\$ 300.00
15907	17/06/2014	HILLEN NURSERY INC.	Trees	\$ 536.75
15908	17/06/2014	IMAGEWEAR A DIVISION OF MARK'S	Uniforms	\$ 221.64
15909	17/06/2014	J & S LAWN CARE	Grass Cutting	\$ 429.40
15910	17/06/2014	KELLY JOHNSON	Expenses - McLean	\$ 1,470.15
15911	17/06/2014	LEATHA JONES	Bingo Expenses	\$ 380.00
15912	17/06/2014	KEMBER TOPSOIL	Topsoil - LCH	\$ 703.71
15913	17/06/2014	KUCERA UTILITIES & FARM SUPPLY	Filters, Latches	\$ 173.99
15914	17/06/2014	KYIS EMBROIDERY	Embroidery on Uniforms	\$ 126.56
15915	17/06/2014	LARRY MACDONALD CHEV OLDS	Oil & Filters	\$ 40.62
15916	17/06/2014	LOVERS ATWORK OFFC.FURNITR.INC	Monitor Arms, Trays	\$ 1,455.86

15917	17/06/2014	MAR-CO-CLAY PRODUCTS	Envirolock Bags-Running Creek	\$	2,107.77
15918	17/06/2014	BRIAN MCDUGALL	Expenses	\$	675.40
15919	17/06/2014	MSC INDUSTRIAL SUPPLY ULC	Padlocks	\$	261.98
15920	17/06/2014	MY BROADCASTING CORPORATION	Ads - Paddle Day	\$	452.00
15921	17/06/2014	PETROLIA HOME HARDWARE	Paint, Brushes	\$	53.96
15922	17/06/2014	PODOLINSKY FARM EQUIPMENT	Spring Lock	\$	93.38
15923	17/06/2014	RIDGETOWN INDEPENDENT NEWS	Camping Ads	\$	53.16
15924	17/06/2014	RURAL LAMBTON STW. NETWORK	Final Payment-Eco-Action	\$	1,800.00
15925	17/06/2014	GIRISH SANKAR	Expenses	\$	236.50
15926	17/06/2014	ALISON SEIDLER	Expenses	\$	324.93
15927	17/06/2014	JEFF SHARP	Expenses	\$	168.00
15928	17/06/2014	DAN SKINNER	Expenses	\$	100.00
15929	17/06/2014	DONNA STRANG	Expenses	\$	465.14
15930	17/06/2014	STRATHROY HOME HARDWARE BUILDI	Lever, Hinges, Screws	\$	529.39
15931	17/06/2014	STRATHROY RENTAL ONE	Hand Tamper	\$	161.59
15932	17/06/2014	STRATHROY TIRE SALES & SERVICE	Supplies	\$	25.00
15933	17/06/2014	STRATHROY TURF FARMS	Sod	\$	186.45
15934	17/06/2014	SUN MEDIA CORPORATION	Advertising	\$	135.04
15935	17/06/2014	SUN MEDIA CORPORATION	Cleaning Supplies	\$	368.95
15936	17/06/2014	SWISH MAINTENANCE LIMITED	Cleaning Supplies	\$	437.25
15937	17/06/2014	WALTER TADGELL & SONS LTD	Poly Cut Fingers	\$	49.39
15938	17/06/2014	THREE MAPLES VARIETY	Fuel - A.W.Campbell	\$	1,015.97
15939	17/06/2014	TIN ROOF RUSTED PLANT NURSERY	Cathcart Park - Plants	\$	615.00
15940	17/06/2014	MIKE TIZZARD	Expenses	\$	759.42
15941	17/06/2014	TOWNSHIP OF ENNISKILLEN	Final Taxes	\$	1,686.74
15942	17/06/2014	TOWN OF PLYMPTON-WYOMING	Water Bill	\$	194.60
15943	17/06/2014	TOWNSHIP OF WARWICK	Water Bill	\$	282.50
15944	17/06/2014	TOWNSHIP OF DAWN-EUPHEMIA	Water Bill	\$	81.25
15945	17/06/2014	UPPER THAMES RIVER CONS. AUTH.	Dorchester Subwater Restore	\$	3,500.00
15946	17/06/2014	VALLEY LAWN CARE	Grass Cutting	\$	3,090.55
15947	17/06/2014	WARD, ROSS J.	Phone Cases	\$	45.00
15948	17/06/2014	WARWICK GAS & VARIETY	Fuel - WWK	\$	859.25
15949	17/06/2014	WASTE MANAGEMENT OF CANADA COR	Garbage - CA's	\$	1,410.19
15950	17/06/2014	WATSON TIM-BR MART	Lumber	\$	580.58
15951	17/06/2014	WAYNE STREVEL CONS. LIMITED	Mulch - LCH	\$	550.88
15952	17/06/2014	WORKPLACE SAFETY & INS. BOARD	May Remittance	\$	4,256.96
15953	17/06/2014	WASTECORP	Pumps - CA's	\$	298.98
15954	18/06/2014	MATT CARON	Expenses - McLean	\$	388.37
15955	26/06/2014	RICK BATTSON	Expenses	\$	140.00
15956	26/06/2014	P.CASH-D.BRODIE	P. Cash	\$	374.25
15957	26/06/2014	BUFFETT, TAYLOR & ASSOCIATES	Group Ins. Benefits	\$	10,442.90
15958	26/06/2014	STEPHEN CLARK	Expenses	\$	88.86
15959	26/06/2014	KLEEFMAN CLEANING SERVICES	Cleaning	\$	494.38
15960	26/06/2014	PINENEEDLE FARMS	Trees	\$	3,781.66
15961	26/06/2014	HORST RICHTER	Seasonal Camping Refund	\$	591.00
15962	04/07/2014	ST. CLAIR SECONDARY SCHOOL	Return - Overpayment	\$	100.00
15963	04/07/2014	GEZA VARGYAS, C/O CEMENT HEADS	Concrete- Boundelle Project	\$	3,012.00
6315	16/07/2014	WARWICK GAS & VARIETY	Fuel - Warwick	\$	843.72
15966	21/07/2014	21 SHELL & VARIETY	Fuel - CA's	\$	635.00
15967	21/07/2014	ADVANCED BLDG.MATERIALS INC.	Materials-Flood Control	\$	249.21
15968	21/07/2014	AQUA POOLS,PATIOS & SPAS	Pool Supplies	\$	498.47
15969	21/07/2014	ARBORTECH PROFS. TREE CARE	Tree Trimming	\$	514.15
15970	21/07/2014	ARCTIC GLACIER INC.	Ice	\$	1,250.80
15971	21/07/2014	ARMTEC LIMITED PARTNERSHIP	Tubing	\$	445.62
15972	21/07/2014	BADDER BUS SERVICE	Bus Tour	\$	678.00
15973	21/07/2014	BATTLEFIELD EQUIPMENT RENTALS	Paint, Brushes	\$	297.57
15974	21/07/2014	BF ENVIRONMENTAL CONSULTANTS	Kimbal Sideroad Wetland	\$	480.25
15975	21/07/2014	BUFFETT, TAYLOR & ASSOCIATES	Group Ins. Benefits	\$	10,442.90
15976	21/07/2014	CAMPBELLS OUTDOOR POWER EQUIP.	Chains, Oils	\$	1,073.30
15977	21/07/2014	CANADA CATERING CO. LTD.	Lunch Meeting	\$	365.14
15978	21/07/2014	CANADIAN LINEN & UNIFORM	Mats - Office	\$	61.86
15979	21/07/2014	CAS KWARCIK ELECTRIC	Electrical - WWK	\$	124.30
15980	21/07/2014	CENTRAL SANITATION	Portables	\$	1,983.15
15981	21/07/2014	CHIPPEWAS OF SARNIA	Sponsorship	\$	1,000.00
15982	21/07/2014	CITY OF SARNIA	Rental	\$	73.45
15983	21/07/2014	STEPHEN CLARK	Expenses	\$	90.37
15984	21/07/2014	COR'S MOTORS LTD.	Vehicle Repairs	\$	153.78
15985	21/07/2014	DOVER AGRI-SERVE INC.	Phragmites Control	\$	4,237.50
15986	21/07/2014	DOWLER KARN PROPANE	Propane	\$	1,176.24

15987	21/07/2014	DUN-RITE LANDSCAPING INC.	Grass Cutting	\$	254.25
15988	21/07/2014	ENTERPRISE RENT-A-CAR CANADA	Vehicles - Larvacide	\$	4,514.64
15989	21/07/2014	ENTERPRISE RENT-A-CAR, DAMAGE	Vehicle Repairs	\$	1,028.53
15990	21/07/2014	FOREST AGRI SERVICES LTD.	Pool Supplies	\$	1,114.00
15991	21/07/2014	FOREST CITY BUSINESS EQUIPMENT	Equip. Rental	\$	2,712.55
15992	21/07/2014	FOREST CITY LEASING	Rental	\$	293.80
15993	21/07/2014	GEORGE MURRAY SHIPLEY BELL, LLP	Legal Advice-Residential	\$	3,729.00
15994	21/07/2014	MELISSA GILL	Expenses	\$	304.35
15995	21/07/2014	HYDE PARK EQUIPMENT LTD.	Fuel Diesel	\$	1,190.50
15996	21/07/2014	IMAGEWEAR A DIVISION OF MARK'S	Uniforms	\$	790.05
15997	21/07/2014	INTERNATIONAL EROSION CONTROL	Cable Concrete Mats	\$	9,021.01
15998	21/07/2014	J & S LAWN CARE	Grass Curring	\$	406.80
15999	21/07/2014	JIM WHITE'S TRAILER SALES INC.	Camper Trailer Parts	\$	87.29
16000	21/07/2014	KELLY JOHNSON	Expenses - McLean	\$	1,429.70
16001	21/07/2014	JOHNSTON BROS.(BOTHWELL) LTD.	Gravel - CA Areas	\$	12,596.23
16002	21/07/2014	LEATHA JONES	Bingo Expenses	\$	380.00
16003	21/07/2014	K & H DISTRIBUTING	Fireworks - WWK.	\$	5,100.00
16004	21/07/2014	KEMBER TOPSOIL	Topsoil - LCH	\$	669.81
16005	21/07/2014	KENN'S PRINTING LTD.	Stamp	\$	49.32
16006	21/07/2014	KLEEFMAN CLEANING SERVICES	Office Cleaning	\$	522.63
16007	21/07/2014	KUCERA UTILITIES & FARM SUPPLY	Filters	\$	22.54
16008	21/07/2014	KYIS EMBROIDERY	Embroidery on Uniforms	\$	603.42
16009	21/07/2014	LAKESIDE GRAIN & FEED LTD.	Calcium Choloride	\$	153.31
16010	21/07/2014	LARRY MACDONALD CHEV OLDS	Oil & Filter Change	\$	116.27
16011	21/07/2014	719329 ONTARIO LIMITED	Pressure Tanks	\$	1,364.48
16012	21/07/2014	LINEHAUL LOGISTICS INC.	Envirolock Units	\$	1,375.21
16013	21/07/2014	LONDEX OFFICE PRODUCTS	Office Supplies	\$	413.32
16014	21/07/2014	LOVERS ATWORK OFFC.FURNITR.INC	Computer Tray	\$	76.38
16015	21/07/2014	MOFFATT & POWELL (RONA)	Rollers, & Trays	\$	64.82
16016	21/07/2014	MUNICIPALITY OF CHATHAM KENT	Final Taxes	\$	9,390.59
16017	21/07/2014	SHARON NETHERCOTT	Expenses	\$	288.20
16018	21/07/2014	O'TOOLS RENT OR BUY	Connector Kit	\$	36.92
16019	21/07/2014	PETROLIA HOME HARDWARE	Supplies	\$	235.50
16020	21/07/2014	GREG PFAFF EDUCATIONAL SERVICE	Chainsaw Course	\$	1,762.80
16021	21/07/2014	P J SEEDS	Seeds	\$	581.75
16022	21/07/2014	PODOLINSKY FARM EQUIPMENT	Mower Blades	\$	1,836.16
16023	21/07/2014	POLLARD HIGHWAY PRODUCTS LTD.	Dustmaster	\$	1,979.15
16024	21/07/2014	TRACY PRINCE	Expenses	\$	76.27
16025	21/07/2014	VILLAGE OF POINT EDWARD	Waterfront Park Maintenance	\$	1,500.00
16026	21/07/2014	PUROLATOR COURIER	Courier Costs	\$	191.70
16027	21/07/2014	RAY-MAC AUTO PARTS (PETROLIA) LTD.	Loaded Ball Mount	\$	32.71
16028	21/07/2014	RIDGETOWN INDEPENDENT NEWS	Camping Ads	\$	53.16
16029	21/07/2014	RKG TELETECH SERVICES	Phone - Repair LCH	\$	328.41
16030	21/07/2014	GEORGE RUEGER	Expenses	\$	100.00
16031	21/07/2014	ROBERT G. WATERS	Land Registry	\$	109.57
16032	21/07/2014	SHANNON VENDING LIMITED	Coffee Supplies	\$	153.90
16033	21/07/2014	SIGNS AND DESIGNS	Lettering - Vehicles	\$	1,296.11
16034	21/07/2014	CORP. OF THE TWP. OF	Final Taxes	\$	16,033.32
16035	21/07/2014	STRATHROY WELDING AND REPAIRS	Welding	\$	3,582.10
16036	21/07/2014	STRATHROY HOME HARDWARE BLGD.	Supplies	\$	1,441.74
16037	21/07/2014	STRATHROY RENTAL ONE	Equipment Rental	\$	350.30
16038	21/07/2014	SUPERIOR COMPUTER SALES INC.	Toner Cartridges, computer	\$	766.14
16039	21/07/2014	SWISH MAINTENANCE LIMITED	CA & Cleaning supplies	\$	1,176.87
16040	21/07/2014	WALTER TADGELL & SONS LTD	Repairs	\$	2,216.38
16041	21/07/2014	THE DIGITAL MAN	Computer Virus Repair	\$	100.00
16042	21/07/2014	THREE MAPLES VARIETY	Fuel - AWC	\$	727.60
16043	21/07/2014	MIKE TIZZARD	Expenses	\$	361.02
16044	21/07/2014	TOWNSHIP OF ENNISKILLEN	Final Taxes	\$	135.58
16045	21/07/2014	TOWN OF PLYMPTON-WYOMING	Water	\$	118.89
16046	21/07/2014	BILL TURNER	Expenses	\$	192.26
16047	21/07/2014	VALLEY LAWN CARE	Grass Cutting	\$	3,457.80
16048	21/07/2014	JESSY VANDER VAART	Expenses	\$	100.00
16049	21/07/2014	VAN TUYL & FAIRBANK	Supplies	\$	240.78
16050	21/07/2014	WARD, ROSS J.	Mobile Phone Case	\$	140.00
16051	21/07/2014	WARWICK AUTO SERVICE	Vehicle Repairs	\$	124.24
16052	21/07/2014	WARWICK GAS & VARIETY	Fuel - WWK	\$	534.45
16053	21/07/2014	WASTE MANAGEMENT OF CANADA	Garbage - CA's	\$	1,982.93
16054	21/07/2014	WELLMARK INTERNATIONAL LBX 910	Larvacide	\$	12,547.97
16055	21/07/2014	SHANE WHITE	Expenses	\$	85.25

16056	21/07/2014	WORKPLACE SAFETY & INS. BOARD	June Remittance	\$	4,679.18
16057	21/07/2014	YELLOW PAGES GROUP	Advertising	\$	24.97
16058	21/07/2014	ZWART EXCAVATING LTD.	Walkers Road - Septic	\$	14,520.50
16061	29/07/2014	WATFORD HOME HARDWARE BUILDING	CA supplies	\$	618.14
16062	29/07/2014	RECEIVER GENERAL FOR CANADA	HST	\$	51,787.29
16063	29/07/2014	JOHN JIMMO	Expenses	\$	82.49
16064	29/07/2014	VAN BREE DRAINAGE & BULLDOZING	Cathcart Park	\$	41,327.14
16066	31/07/2014	P.CASH-D.BRODIE	Petty Cash	\$	371.50

TOTAL CHEQUE DISBURSEMENTS - BANK #1 - \$ 434,013.89

INTERNET BANKING

TRANS #	DATE	VENDOR	DESCRIPTION		AMOUNT
6300	30/06/2014	BELL CANADA	PHONE	\$	30.34
6301	30/06/2014	BELL CANADA	PHONE	\$	482.22
6302	30/06/2014	BELL MOBILITY CELLULAR	MOBILE PHONES	\$	38.84
6303	30/06/2014	BROOKE TELECOM CO-OP	PHONE	\$	892.31
6304	30/06/2014	ENTEGRUS SERVICES INC. (CHATHA	HEATING, COOLING	\$	120.17
6305	30/06/2014	ENTEGRUS SERVICES INC. (MIDDLE	HEATING, COOLING	\$	702.83
6306	30/06/2014	EXECULINK TELECOM	INTERNET	\$	1,778.03
6308	30/06/2014	HYDRO ONE NETWORKS INC.	HYDRO	\$	16,864.15
6309	30/06/2014	IBM CANADA LTD.	DOCUMENT MANAGEMENT	\$	2,418.17
6310	30/06/2014	PETRO CANADA INC.	FUEL	\$	3,638.09
6311	30/06/2014	ROGERS CABLE COMMUNICATIONS INC.	CABLE	\$	180.74
6312	30/06/2014	ROGERS WIRELESS	INTERNET	\$	1,176.95
6313	30/06/2014	FCDQ (DESJARDINS)	STAPLES SUPPLIES	\$	1,361.86
6314	30/06/2014	UNION GAS LIMITED	HEATING, COOLING	\$	148.35
6316	30/06/2014	MASTERCARD	JUNE CHARGES	\$	5,194.74
6317	30/06/2014	ONTARIO MINISTER OF FINANCE	EMPLOYER H. TAX	\$	3,585.57
6318	30/06/2014	OMERS	PENSION	\$	30,738.06
6319	30/06/2014	RECEIVER GENERAL	PAYROLL TAXES	\$	55,524.00
8016	31/07/2014	MASTERCARD	JULY CHARGES	\$	2,630.30
8017	31/07/2014	OMERS	PENSION	\$	30,987.88
8018	31/07/2014	ONTARIO MINISTER OF FINANCE	EMPLOYER H. TAX	\$	5,937.78
8019	31/07/2014	RECEIVER GENERAL	PAYROLL TAXES	\$	83,201.18
8020	31/07/2014	ROGERS WIRELESS	INTERNET	\$	1,150.04
8021	31/07/2014	ONTARIO MINISTER OF FINANCE	EMPLOYER H. TAX	\$	3,881.39

TOTAL INTERNET DISBURSEMENTS - BANK NO. 1 - \$ 252,663.99

PAYROLL RUNS FROM JUNE TO JULY, 2014

PAYROLL NO. 12	\$	93,207.63
PAYROLL NO. 13	\$	93,692.16
PAYROLL NO. 14	\$	94,288.57
PAYROLL NO. 15	\$	87,278.18

TOTAL PAYROLL RUNS - JUNE TO JULY, 2014 - \$ 368,466.54

TOTAL DISBURSEMENTS - JUNE TO JULY, 2014 - \$ 1,055,144.42

**2014 GENERAL LEVY SUMMARY
AS OF SEPT. 3, 2014**

**GLYSUM2014
Diane Brodie
03-Sep-14**

MUNICIPALITY	GROSS LEVY	PAID TO DATE	OUTSTANDING
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Sarnia	\$ 262,507.00	\$ 131,253.50	\$ 131,253.50
Chatham-Kent	87,280.00	87,280.00	0.00
Brooke-Alvinston Twp.	10,402.00	10,402.00	0.00
Dawn Euphemia Twp.	16,110.00	8,055.00	8,055.00
Enniskillen Twp.	11,332.00	11,332.00	0.00
Lambton Shores M.	32,027.00	32,027.00	0.00
Oil Springs V	1,329.00	1,329.00	0.00
Petrolia T	15,914.00	15,914.00	0.00
Plympton-Wyoming T	33,051.00	16,525.50	16,525.50
Point Edward V	15,801.00	15,801.00	0.00
St. Clair Twp.	73,194.00	73,194.00	0.00
Warwick Twp.	13,239.00	13,239.00	0.00
Adelaide Metcalfe Twp.	11,055.00	5,527.50	5,527.50
Middlesex Centre Twp.	13,569.00	13,569.00	0.00
Newbury V	1,035.00	1,035.00	0.00
Southwest Middlesex M.	7,403.00	7,403.00	0.00
Strathroy-Caradoc M.	53,687.00	53,687.00	0.00
TOTAL	\$ 658,935.00	\$ 497,573.50	\$ 161,361.50
	=====	=====	=====

Proposed St. Clair Region Conservation Authority 2015 Operation Budget Summary - Sept 18, 2014

12.(iv)

	Budget	Provincial Grant	Provincial Grant Reserves	Other Grant/Program Funds	Matching Levy	Non Matching Levy	Special Levy	Revenues	Reserves
Flood Control Operations & Maintenance	\$ 568,950	\$ 246,000		\$ 46,100	\$ 200,000	\$ -	\$ 40,000	\$ 36,850	
Erosion Control Operations & Maintenance	\$ 41,000	\$ 20,500			\$ 20,500				
WECI Capital Projects	\$ 320,000			\$ 160,000			\$ 134,000	\$ 26,000	
Source Protection Planning	\$ 200,000			\$ 200,000					
Planning and Regulations	\$ 431,500	\$ 15,000			\$ 15,000	\$ 154,080	\$ 45,000	\$ 131,500	\$ 70,920
TS - Hazard & Flood Information Management	\$ 12,000	\$ 4,500		\$ 3,000	\$ 4,500				
TS - Aquatic systems monitoring	\$ 173,800			\$ 3,500		\$ 60,500		\$ 109,800	
TS - Healthy Watershed	\$ 28,100			\$ 28,100					
AOC Management	\$ 177,500			\$ 177,500					
Conservation Services/Healthy Watershed	\$ 895,327			\$ 77,000				\$ 803,327	\$ 15,000
MNR Species At Risk	\$ 210,124			\$ 160,124				\$ 50,000	
Recreation	\$ 1,124,300			\$ 12,676		\$ 12,935	\$ 61,765	\$ 1,036,924	\$ -
CA Capital Development	\$ 114,000							\$ 19,300	\$ 94,700
Property Management	\$ 273,000			\$ 7,500				\$ 255,500	\$ 10,000
Information and Education	\$ 210,900			\$ 11,500		\$ 74,900		\$ 70,000	\$ 54,500
IT Capital	\$ 19,200							\$ 19,200	
Equipment	\$ 72,000							\$ 72,000	
Legal	\$ 1,000	\$ 500			\$ 500				
Administration	\$ 842,940	\$ 23,500		\$ 6,000	\$ 69,500	\$ 92,645		\$ 488,630	\$ 162,665
Total CA Budget	\$ 5,715,641	\$ 310,000	\$ -	\$ 893,000	\$ 310,000	\$ 395,060	\$ 280,765	\$ 3,119,031	\$ 407,785
Employment Programs	\$ 220,000				\$ -	\$ -	\$ -	\$ 220,000	\$ -
Stewardship Programs	\$ 150,000				\$ -	\$ -	\$ -	\$ 150,000	\$ -
Total Budget	\$ 6,085,641	\$ 310,000	\$ -	\$ 893,000	\$ 310,000	\$ 395,060	\$ 280,765	\$ 3,489,031	\$ 407,785

* The Authority assists in the administration of the Employment and Stewardship programs, therefore these items must be approved under the Authority's budget for signing authorization. The funds are only transferred in and out with the Authority having no direct spending controls and is therefore not considered in applying for grant.

SCRCA Joint Health & Safety Committee Meeting Minutes – March 20, 2014

Lower Board Room
205 Mill Pond Crest.
Strathroy, ON

Meeting called by:	Kevan Baker	Type of meeting:	Quarterly
Date:	Thursday, March 20, 2014	Time:	8:15 am
Facilitator:	Kevan Baker		
Minutes:	Heather Long		
Attendees:	Mark Bakelaar, Kevan Baker, Steve Clark, Jeff Sharp, Heather Long, Girish Shankar (for 2.1 report)		

Minutes of Agenda Items

1. Approve December 4, 2013 meeting minutes
Motion: that "The Minutes of the December 4, 2013 meeting be approved as printed."
Moved/Seconded/Carried – Mark/Jeff/Carried
2. Business arising from the minutes
 - 2.1. Review of Action Items

Heather Long:

 - to add footer into the Health & Safety Manual to show date of revisions as they are made (*October 2, 2013 – item 2.1*) – **ongoing/in process as changes are made**
 - to keep the Training Matrix up-to-date based on information received from Supervisors (*December 4, 2013 – item 2.1*) - **up to date with all information received - ongoing**
 - to update old logos on forms (*October 2, 2013 – item 4.1*) – **completed for Conservation Area Forms**

Mark Bakelaar:

 - to continue to get up to date MSDS for LCH products – **ongoing**

Steve Clark:

 - to continue reviewing Health & Safety manual and bring changes to next meeting (*December 4, 2013 – item 2.1*)

Action Item:

 - **Steve** to review section 3.5.2 (Safety Officer Responsibilities) and bring recommendation for change to committee at June 2014 meeting for updating (*see also December 12, 2012 – item 2.9 and March 27, 2013 – item 2.7*)
 - to look into local training opportunities for anyone who missed the Fire Safety Training (*December 4, 2013 – item 2.1*) - **Steve talked to Strathroy Fire Department - do provide training courses**

Action Item:

 - **Steve** to use training matrix to identify who did not attend training in August, 2013 and see if this group can fit into an existing training course through Strathroy Fire Dept.
 - **Kevan** to talk to Brian McDougall re: incorporating fire safety training annually, as part of SCRCA team building day

Kevan Baker

 - to ask Supervisors to communicate all orientation/training their staff receive(d) to Heather (*December 4, 2013 – item 2.1*) – **communicated to Supervisors at 03-Dec-13 meeting**

- to work with Heather to update old logos on forms (*Dec. 4, 2013 – item 2.1*) – **completed for forms used for Conservation Areas staff training**
- to develop a vehicle operation checklist, possibly using one from another CA as a template (*December 4, 2013 – item 2.1*)- **reviewed Ontario Public Service Fleet Driver Manual**
Action Item:
 - **Heather** to forward the OPS document and the vehicle training section from Upper Thames C. A. Policy Manual to Jeff
 - **Jeff** to review both and give proposed Driver Manual to Kevan to take to Supervisors
- to search for a safe driving video for Supervisors to use when orientating their new staff (*December 4, 2013 – item 2.1*) – **Kevan has searched what is available for purchase, if it is decided that this is something that should be incorporated into staff training**
- to do a Health & Safety review training session with all Supervisors in 2014 (*December 4, 2013 – item 3.3*) - **booked for all staff for April 2, 2014**
- to arrange for Terry Barrie (LCH) to purchase new eye wash bottles (with input from Shane White), to have ready when the parks reopen in the Spring of 2014 (*December 4, 2013 – item 4.4*) – **eye wash bottles ordered 11-Mar-2014 – received and ready to go to parks when temperatures are above freezing**
- to remind Supervisors that incident/injury reports are needed any time there is an incident/injury (*December 4, 2013 – item 2.1*) – **all staff have been trained & files organized on O drive. CA staff completed this training at March 2014 safety orientation and other staff will have this reinforced at April 2, 2014 training**

Girish Sankar:

- to share the MSDS template prepared by Mark with each department) - **template is ready and will be forwarded to JHSC this week**
- to assist in the documentation of products which require MSDS – Biology, Conservation Services, Water, Administration (Strathroy Office) (*December 4, 2013 – item 2.1*)
- to discuss with Chris the possibility of having fillable forms available online to maintain a single version of the forms (*December 4, 2013 – item 2.1*) - **Chris is working on developing this for all forms**
- to update inspection reports on “O” drive (*December 4, 2013 – item 3.2*)- **completed**
- to email non-management staff identifying that there is a JHSC Worker Rep. position available beginning January 1, 2014 and that there will be a vote on this at an in camera session at the December 18, 2013 full staff meeting (*December 4, 2013 – item 4.2*) - **completed**

Department Heads

- to provide Heather with an update of training completed by all staff to input to Training Matrix (*October 2, 2013 – item 2.1*)(**see above – Kevan**)
- to develop product lists of all items used by their department that require MSDS sheets (focus on non-retail products) and submit to Girish (*October 2, 2013 – item 2.1*) - **ongoing**

Tracy Prince

- to carry out and document monthly inspections of the fire extinguishers and emergency lighting at the Strathroy Office (*Dec. 4, 2013 – item 4.3*) – **lights and extinguishers have been numbered and an inspection chart has been developed. Tracy is checking equipment and completing the chart monthly.**

3. Area Reports/Workplace Inspections

3.1. Watershed Services (Steve)

Discussion:

- MSDS sheets from McKeough available on disc
- disc also contains procedures for training on all equipment used at McKeough

Action Item:

- **Steve** to review files, check to ensure that training includes “read the manual”, store disc and add the information into the Health & Safety Manual

3.2. Workplace Inspections (Kevan)

Discussion:

- none completed yet (see new business) in 2014

Action Item:

- **Steve Clark** to develop 2014 inspection schedule and forward to Heather
- **Heather** to distribute inspection schedule for posting on all Health & Safety Bulletin Boards

3.3. General CAs (Kevan/Mark)

Discussion:

- no reports

3.4. Other Departments

- April 2nd is Health & Safety Training day for all staff
- contract staff – scheduled for training when the start in April 15 & May 12, 2014
- seasonal staff – scheduled for training when the start in June 2014
- CA staff had complete training on March 3rd
- ongoing construction at Clark Wright – reminder that this is a work site
- Jeff has completed Level I & II Health & Safety training

4. New Business

4.1. Review of Incident/Injury Investigation Reports since our December 4, 2013 meeting

Discussion:

- no reports received

4.2. Results of Worker Rep. appointment – December 2013

Discussion:

- Jeff Sharp nominated for a 3 year term – December 2013 to December 2016
- suggest next nomination should be at October 2014 full staff meeting(Mark's position)

4.3. Determine JHSC members' positions (Co-chair; Workplace Inspector) and define each person's role.

Discussion:

- Steve Clark – nominated as Co-chair and Inspector for 2014

4.4. Fire Equipment Inspection – McKeough

Discussion:

- HSE completed the annual inspection of Fire Equipment at MacKeough-10-Dec-2013

4.5. Occupational Health & Safety Act - Regulation 297/13 – review and changes

Discussion:

- This act made changes to the basic Health & Safety awareness training for Workers and Supervisors and came into effect on September 11, 2013

Action Item:

- **Kevan** to provide training to all staff on April 2, 2014

4.6. Supervisor Safety Review submitted by Rick Battson

Discussion:

- scanned and saved: O – Health & Safety – Supervisors Safety Reviews
- individual supervisors can submit for scanning &/or develop their own storage files for these. If scanned and saved, hard copies do not need to be kept.

Action Item:

- **Heather** will continue to scan and save any that are given to her.

4.7. Training Matrix – information updates

Action Item:

- **Heather** to scan and save hard copies of the most recent training sign-in sheets

4.8. Modification of Sign-in/Sign-out system for office staff to allow for greater trip details

Discussion:

- system could be improved with return time indicated, method of contact, vehicle in use
- needs to be enforced

Action Item:

- **Heather** to develop and give to Kevan to take to Supervisors

4.9. Development of Sign-in sheet for all public that enter the building past the front entrance

Discussion:

- recommendation people going beyond the front entrance sign-in and sign-out and leave through the front door
- sign needed on back doors "Staff Entrance – All Visitors Please Use Front Door"

Action Item:

- Heather to develop sign-in/sign-out form for visitors and forward to management
- Kevan to discuss signs for doors with Brian

4.10. WHMIS Training – annual for all staff

Discussion:

- April 2, 2014 WHMIS will be part of the full staff training day
- recommend to do this annually

Action Item:

- Kevan to schedule annual WHMIS training for all staff

4.11. MSDS Binders

Discussion:

- binder in office might be easier to use if it had sections for products used by each department i.e. Admin, Biology, and Water Resources etc.

Action Item:

- Heather to update MSDS binder with department sections

5. Goals and Objectives in 2014

5.1. To regularly review MOL website to educate ourselves and learn from documented investigations and fines

5.2. To review safety manual and make changes as necessary

5.3. To appoint a worker rep. for a 3 year term (schedule for October 2014)

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

Action Item:

- Steve C. to conduct site inspections and include at least 1 supervisor for each
- Steve C. to develop schedule and provide it to Heather to print & post on bulletin boards

5.5. To encourage supervisors to complete safety reviews and 5 point check lists on a more frequent basis (ongoing)

5.6. To organize the JHSC files on the O drive

5.7. To recommend that Supervisors schedule retraining refreshers with their staff, once a month

5.8. To develop and incorporate a drivers safety training program into our orientation of all staff

5.9. To send occasional Health & Safety Bulletins to all staff

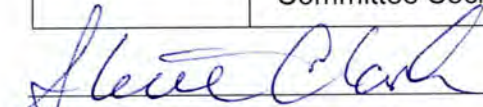
6. Next meeting date: June 11, 2014 – Steve Clark to chair.

Future 2014 meeting dates – Sept. 16th (Kevan to chair) – Nov 26th (Steve to chair)

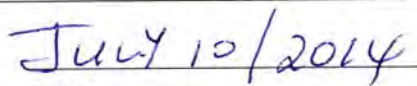
7. Adjournment – 10:45 am

Misc. Information

Observers:	
Contacts:	Worker Co-chair/Inspector: Steve Clark sclark@scrca.on.ca Management Co-chair: Kevan Baker kbaker@scrca.on.ca Worker Reps.: Mark Bakelaar mbakelaar@scrca.on.ca Steve Clark sclark@scrca.on.ca Jeff Sharp jsharp@scrca.on.ca Committee Secretary: Heather Long hlong@scrca.on.ca



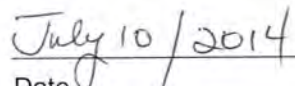
 Signature of Co-chair



 Date



 Signature of Co-chair



 Date

Staff Report

12.(vi)



To: Board of Directors
Date: September 3, 2014
From: Heather Long, JHSC Secretary
Subject: Joint Health & Safety Committee Responsibilities

The Health & Safety Officer position was eliminated when Kevan Baker was appointed by the General Manager as a Management Health & Safety Member. At the July 9, 2014 meeting of the Health and Safety Committee, it was recommended that Responsibilities of the Safety Officer 3.5.2, be incorporated into the responsibilities of the JHSC Members 3.5.6.

3.5.6 Responsibilities of the JHSC Members (OHS 3.5.6)

All members have a role in making sure that the JHSC meets its goals. Active participation is essential for successful committee function including the following:

- attendance at meetings.
- contributing ideas to discussions.
- co-ordinating activities with Joint Health & Safety Committee
- obtaining information and following up on accepted assignments.
- listening to concerns or suggestions made by employees outside the JHSC.
- identifying workplace hazards.
- making recommendations to the Employer.
- undertaking special tasks for the JHSC.
- representing the Conservation Authority when meeting with the Ministry of Labour
- assisting in conducting inspections or investigations during work refusals, accident investigations or Ministry inspections.
- participating in workplace inspections as assigned by JHSC.
- ensuring that information about the activities of the Health and Safety Program is communicated clearly throughout the organization.
- promoting the goals and objectives of the JHSC within SCRCA.
- selecting an alternate if unable to attend meetings or fulfill duties.
- participating in the selection of a worker co-chair.
- ensuring all members of management have a working knowledge of the Act and that they have a current copy of the Act and applicable Regulations.
- conducting periodic audits and inspections of all locations to make sure they are in full compliance with the Act and its Regulations at least once each month.
- assisting members of management and employees with any questions they may have about the Act and its Regulations.
- inspecting Health and Safety Bulletin Boards for information legislatively required under the Act.
- formulating and implement the Conservation Authority health and safety programs
- identifying workplace hazards and make recommendations to the Employer.

- establishing and implementing policies and procedures to ensure compliance with Provincial legislation.
- co-ordinating and delivering safety training and education for workers.
- training in safety legislation, incident investigation, hazard assessment and identification, workplace inspections, and Part 2 Sector Specific WSIB Certification.
- reporting directly to a top management official.

St. Clair Region Conservation Authority
Investment Policy

Investment Policy

September 2014

1.0 POLICY STATEMENT AND PURPOSE

The St. Clair Region Conservation Authority (the Conservation Authority) shall invest public funds in a manner that maximizes investment return and minimizes investment risk while meeting the daily cash requirements of the Conservation Authority and conforming to legislation governing the investment of public funds.

The purpose of this investment policy is to ensure integrity of the investment management process. The objective of this investment policy is to maximize investment income at minimal risk to capital. Accordingly, emphasis on investments is placed on security first, liquidity second and overall yields third.

2.0 SCOPE

This investment policy shall govern all the investment activities of the Conservation Authority's General, Capital and Reserve Funds as well as Trust Funds. This policy applies to all investments made by the Conservation Authority on its own behalf.

3.0 STANDARD OF CAREPrudence

Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretions and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.

Delegation of Authority and Authorization

The Conservation Authority General Manager shall have overall responsibility for the prudent investment of the Conservation Authority's investment portfolio. The Conservation Authority General Manager shall have the authority to implement the investment program and establish procedures consistent with this policy. Such procedures shall include the explicit delegation of the authority needed to complete investment transactions however the Conservation Authority General Manager shall remain responsible for ensuring that the investments are compliant with regulations and this policy. No person may engage in an investment transaction except as provided under the terms of this policy.

The Conservation Authority General Manager shall be authorized to enter into arrangements with banks, investment dealers and brokers, and other financial

institutions for the purchase, sale, redemption, issuance, transfer and safekeeping of securities in a manner that conforms to the *Municipal Act, 2001* and the Conservation Authority's policy manual.

Transfer of funds for investment transactions shall be authorized by one of either the General Manager or Director of Finance.

4.0 OBJECTIVES

The primary objectives of this investment policy, in priority order, are as follows:

1. Adherence to statutory requirements;
2. Preservation of capital;
3. Maintenance of liquidity; and
4. Competitive rate of return.

The investment portfolio is comprised of:

- Operating and Capital cash flow balances;
- Reserves;
- Reserve funds; and
- Trust funds.

1. Adherence to Statutory Requirements

All investment activities shall be governed by the Ontario Municipal Act, 2001 as amended. Investments, unless further limited by the Board, shall be those eligible under Ontario Regulation 438/97 or as authorized by subsequent provincial regulations.

2. Preservation of Capital (Minimization of Credit Risk)

Meeting this objective requires the adoption of a defensive policy to minimize the risk of incurring a capital loss and of preserving the value of the invested principal. As such, this risk shall be mitigated by investing in properly rated financial instruments in accordance with applicable legislation, by limiting the types of investments to a maximum percentage of the total portfolio and being mindful of the amount invested within individual institutions.

3. Maintenance of Liquidity

The investment portfolio shall remain sufficiently liquid to meet daily operating cash flow requirements and limit temporary borrowing. The portfolio shall be

structured to maintain a proportionate ratio of short, medium and long-term maturities to meet the funding requirements of the Conservation Authority. The term liquidity implies a high degree of marketability and a high level of price stability. Important liquidity considerations are a reliable forecast of the timing of the requirement of funds, a contingency to cover the possibility of unplanned requirement of funds and an expectation of reliable secondary marketability prior to maturity.

4. Competitive Rate of Return (Overall Yield)

Investment yields shall be sought within the boundaries set by the three foregoing objectives and then consideration shall be given to the following guidance;

- Higher yields are best obtained by taking advantage of the interest rate curve of the capital market, which normally yields higher rates of return for longer term investments;
- Yields will also fluctuate by institution as per individual credit ratings (greater risk confirmed by a lower credit rating) and by the type of capital instrument. For example, an instrument of a small trust company would in many cases have a slightly higher yield than a major bank;
- A lower credit rating generally makes an investment more difficult to sell on the secondary market and therefore less liquid; and
- Capital instruments that are non-callable will have a lower yield than instruments which are callable, but the call feature does not necessarily compromise marketability.

5.0 INVESTMENT STRATEGY

Diversification

To minimize credit risk and to maintain liquidity of the investment portfolio, investment diversification shall be guided by the following:

1. Limiting investments to avoid over-concentration in securities from a specific issuer or sector (excluding Government of Canada securities);
2. Limiting investments in securities to those that have higher credit ratings;
3. Investing in securities with varying maturities; and
4. Investing in securities which have an active secondary market.

Investment Type Limitations

Cash held in the bank (excluding trust funds), i.e. one day maturity, shall be no less than what is deemed necessary to meet daily operating and capital requirements of the Conservation Authority.

The total investment in securities issued by governments (federal, provincial or municipal) and Schedule I banks shall be no less than 75% of the total investment portfolio (excluding cash held in the bank and trust funds).

The remaining portfolio may be invested in any other securities which are deemed eligible under O. Reg. 438/97 however no more than 10% of the total investment portfolio (excluding cash held in the bank and trust funds) shall be invested in eligible asset-backed securities and eligible commercial paper. Also, no more than 5% of the total investment portfolio (excluding cash held in the bank and trust funds) shall be invested in eligible pooled equity funds (i.e. One Investment Program Equity Portfolio).

Investment Term Limitations

For the purpose of this policy, a short-term investment is defined as maturing in less than one year, medium-term as maturing between one and five years and long-term as maturing in greater than five years. In general, professionally managed portfolios are deemed to be long-term investments, as it is likely that the intention of Administration is to invest funds that are not required for the next five years. For the purpose of this section, professionally managed portfolios shall be considered long-term investments, unless it is specifically known otherwise. The term limitations for the portfolio are as follows:

- Short-term -> Minimum 50% of total investment portfolio;
- Medium-term -> Maximum 25% of total investment portfolio; and
- Long-term -> Maximum 25% of total investment portfolio.

The portfolio percentage limitations shall apply at the time the investment is made. At specific times the portfolio limitations may not be compliant to the policy for a short time for various reasons, for example the timing of maturities. Prior to any changes to the portfolio based on term limitations, the Conservation Authority General Manager may, at his/her discretion, retain the investment(s) that contravenes the portfolio limitations provided that such action is not contrary to the Municipal Act, 2001.

Type and term limitations shall be reviewed annually by the Conservation Authority General Manager and this policy shall be amended as necessary to minimize the Conservation Authority's exposure to changes in the financial marketplace after giving consideration to the available financial information.

Buy and Hold

To achieve the objectives noted in section 4.0, internally managed funds shall, for the most part, follow the buy and hold strategy. As noted above, higher yields are best

obtained by taking advantage of the interest rate curve of the capital market which normally yields higher rates of return for longer term investments. By purchasing securities at varying maturity dates and holding the investments to term the interest rate risk is minimized, liquidity is maintained and capital is preserved. To be successful with the buy and hold strategy, matching cash requirements to investment terms is a key element and requires a solid cash flow forecast.

Some municipalities actively trade investments rather than holding to term. This “active” investment strategy can produce a modest improvement in yield, but to be successful a large amount of excess cash and sophisticated investment expertise is required. Professionally managed funds charge a fee (usually basis points deducted from the yield) but it is anticipated the performance of the fund will exceed the cost of administration. Nevertheless, performance of professionally managed funds shall be regularly compared to industry benchmarks and to the result that might be achieved using the internally managed approach.

Performance Standards

The investment portfolio shall be managed in accordance with parameters specified within this policy. The portfolio should obtain a market average rate of return throughout budgetary and economic cycles proportionate with investment risk constraints and the cash flow needs of the Conservation Authority.

The performance of investments shall be measured using multiple benchmarks and performance indicators. The baseline yield for investments is the interest rate earned by the Conservation Authority on cash held in its bank account. Then, investments yields can be compared to Government of Canada Treasury Bills and Benchmarks Bond Yields. Furthermore, prime interest rates and other applicable market rates, such as Banker’s Acceptance can be used to provide useful benchmarks with consideration to limitations attributable to the Municipal Act, 2001.

Internal Borrowing

In developing the cash requirements for the year, sufficient cash shall be available to fund capital expenditures. The main cash elements of the operating budget are stable and predictable, e.g. tax revenue and operating expenditures which is established in the budget process. The primary variable in forecasting cash demands is capital spending. Capital spending is supported temporarily financed) by the General fund prior to securing long-term financing (primarily long-term debentures).

If the General fund does not have sufficient cash to support capital expenditures and operating expenditures during the year, the best option is to borrow from the Reserve Funds on a short-term basis, rather than obtaining external financing. In order for this to occur, the Reserve Funds must have sufficient cash available (i.e. not locked into long-term investments) to support the General Fund through this period. A fair rate of interest shall be applied based on the interest rate paid on funds in the Conservation

Authority's consolidated bank account. For the most part the interest charged is going 'from on Conservation Authority pocket to another', but given that some reserve funds are non-rate funded, there is a requirement to pay a fair rate to the reserve funds for 'investing' in the General fund.

Trust Funds

Trust funds by nature must be maintained in a separate account and invested separately. The investment strategy will be dictated by the terms of the trust agreement. In the absence of specific direction, the strategy shall be in compliance with this policy.

Given the variability of capital spending, interest rates, and non-tax revenues, the investment strategy shall be reviewed, at a minimum, on an annual basis. Any changes in the investment strategy shall be reported to Board in the annual investment report and the investment policy shall be amended for the change in strategy.

6.0 REPORTING

The Conservation Authority General Manager shall provide an annual investment report to Board which includes, at a minimum, the requirements set forth in O. Reg. 438/97. Under the current regulations the investment report shall contain the following:

1. A statement about the performance or the portfolio of investments of the municipality during the period covered by the report;
2. A description of the estimated proportion of the total investments of a municipality that are invested in its own long-term and short-term securities to the total investment of the municipality and a description of the change, if any, in that estimated proportion since the previous year's report;
3. A statement by the General Manager as to whether or not, in his or her opinion, all investments are consistent with the investment policies and goals adopted by the SCRCA Board;
4. A record of the date of each transaction in or disposal of its own securities, including a statement of the purchase and sale price of each security;
5. Such other information that the Board may require or that in the opinion of the General Manager, should be included;
6. A statement by the General Manager as to whether any of the investments fall below the standard required for that investment during the period covered by the report; and
7. The details of the proposed use of funds realized in the disposition of an investment for which the Conservation Authority sold as a result of a decline in rating below the standard required by O. Reg. 438/97.

In addition to the annual report, the Conservation Authority General Manager shall report to Board any investment that is made that is not, in his opinion, consistent with investment policy adopted by the Conservation Authority within thirty (30) days after becoming aware of it.

GLOSSARY OF TERMS

Asset Backed Securities:	Fixed income securities (other than a government security) issued by a Special Purpose Entity, substantially all of the assets of which consist of Qualifying Assets.
Basis Point (BPS):	A unit that is equal to 1/100 th of 1%, and is used to denote the change in a financial instrument. The basis point is commonly used for calculating changes in interest rates, equity indexes and the yield of a fixed-income security.
Credit Risk:	Is the risk to an investor that an issuer will default in the payment of interest and/or principal on a security.
Diversification:	A process of investing assets among a range of security types by sector, maturity, and quality rating.
Interest Rate Risk:	The risk associated with declines or rises in interest rates that cause an investment in a fixed income security to increase or decrease in value.
Liquidity:	A measure of an asset's convertibility to cash.
Market Risk:	The risk that the value of a security will rise or decline as a result of changes in market conditions.
Market Value:	Current market price of a security.
Maturity:	the date on which payment of a financial obligation is due. The final stated maturity is the date on which the issuer must retire a bond and pay the face value to the bondholder.
One Investment Program:	A professionally managed group of investment funds composed of pooled investments that meet the eligibility criteria defined by O. Reg. 438/97. The program consists of Money Market Funds, Bond Funds and Equity Funds. The ONE Fund is operated by LAS (Local Authority Services Ltd., a subsidiary of the Association of Municipalities of Ontario) and the CHUMS Financing Corporation (a subsidiary of the Municipal Finance Officers' Association of Ontario).

Qualifying Assets: Financial assets, either fixed or revolving, that, by their terms converts into cash, within a finite time period, plus any rights or other assets designed to assure the servicing or timely distribution of proceeds to security holders.

Schedule I Banks: Domestic banks that are authorized under the *Bank Act* to accept deposits, which may be eligible for deposit insurance provided by the Canada Deposit and Insurance Corporation. Foreign bank subsidiaries are controlled by eligible foreign institutions.

Special Purpose Entity: a trust, corporation, partnership or other entity organized for the sole purpose of issuing securities that entitle the holders to receive payments that depend primarily on the cash flow of Qualifying Assets, but does not include a registered investment company.

ONTARIO REGULATION 438/97

formerly under Municipal Act

ELIGIBLE INVESTMENTS AND RELATED FINANCIAL AGREEMENTS

Consolidation Period: From January 1, 2012 to the [e-Laws currency date](#).

Last amendment: O. Reg. 373/11.

This Regulation is made in English only.

1. A municipality does not have the power to invest under section 418 of the Act in a security other than a security prescribed under this Regulation. O. Reg. 438/97, s. 1; O. Reg. 399/02, s. 1.

2. The following are prescribed, for the purposes of subsection 418 (1) of the Act, as securities that a municipality may invest in:

1. Bonds, debentures, promissory notes or other evidence of indebtedness issued or guaranteed by,
 - i. Canada or a province or territory of Canada,
 - ii. an agency of Canada or a province or territory of Canada,
 - iii. a country other than Canada,
 - iv. a municipality in Canada including the municipality making the investment,
 - iv.1 the Ontario Strategic Infrastructure Financing Authority,
 - v. a school board or similar entity in Canada,
 - v.1 a university in Ontario that is authorized to engage in an activity described in section 3 of the *Post-secondary Education Choice and Excellence Act, 2000*,
 - v.2 the board of governors of a college established under the *Ontario Colleges of Applied Arts and Technology Act, 2002*,
 - vi. a local board as defined in the *Municipal Affairs Act* (but not including a school board or a municipality) or a conservation authority established under the *Conservation Authorities Act*,
 - vi.1 a board of a public hospital within the meaning of the *Public Hospitals Act*,
 - vi.2 a non-profit housing corporation incorporated under section 13 of the *Housing Development Act*,

- vi.3 a local housing corporation as defined in section 24 of the *Housing Services Act, 2011*, or
 - vii. the Municipal Finance Authority of British Columbia.
2. Bonds, debentures, promissory notes or other evidence of indebtedness of a corporation if,
 - i. the bond, debenture or other evidence of indebtedness is secured by the assignment, to a trustee, as defined in the *Trustee Act*, of payments that Canada or a province or territory of Canada has agreed to make or is required to make under a federal, provincial or territorial statute, and
 - ii. the payments referred to in subparagraph i are sufficient to meet the amounts payable under the bond, debenture or other evidence of indebtedness, including the amounts payable at maturity.
 3. Deposit receipts, deposit notes, certificates of deposit or investment, acceptances or similar instruments the terms of which provide that the principal and interest shall be fully repaid no later than two years after the day the investment was made, if the receipt, note, certificate or instrument was issued, guaranteed or endorsed by,
 - i. a bank listed in Schedule I, II or III to the *Bank Act (Canada)*,
 - ii. a loan corporation or trust corporation registered under the *Loan and Trust Corporations Act*, or
 - iii. a credit union or league to which the *Credit Unions and Caisses Populaires Act, 1994* applies.
 - 3.1 Deposit receipts, deposit notes, certificates of deposit or investment, acceptances or similar instruments the terms of which provide that the principal and interest shall be fully repaid more than two years after the day the investment was made, if the receipt, note, certificate or instrument was issued, guaranteed or endorsed by,
 - i. a bank listed in Schedule I, II or III to the *Bank Act (Canada)*,
 - ii. a loan corporation or trust corporation registered under the *Loan and Trust Corporations Act*,
 - iii. a credit union or league to which the *Credit Unions and Caisses Populaires Act, 1994* applies.
 4. Bonds, debentures, promissory notes or other evidence of indebtedness issued or guaranteed by an institution listed in paragraph 3.
 5. Short term securities, the terms of which provide that the principal and interest shall be fully repaid no later than three days after the day the investment was made, that are issued by,

- i. a university in Ontario that is authorized to engage in an activity described in section 3 of the *Post-secondary Education Choice and Excellence Act, 2000*,
 - ii. the board of governors of a college established under the *Ontario Colleges of Applied Arts and Technology Act, 2002*, or
 - iii. a board of a public hospital within the meaning of the *Public Hospitals Act*.
6. Bonds, debentures, promissory notes, other evidence of indebtedness or other securities issued or guaranteed by the International Bank for Reconstruction and Development.
- 6.1. Bonds, debentures, promissory notes or other evidence of indebtedness issued or guaranteed by a supranational financial institution or a supranational governmental organization, other than the International Bank for Reconstruction and Development.
7. Asset-backed securities, as defined in subsection 50 (1) of Regulation 733 of the Revised Regulations of Ontario, 1990 made under the *Loan and Trust Corporations Act*.
- 7.1 Bonds, debentures, promissory notes or other evidence of indebtedness issued by a corporation that is incorporated under the laws of Canada or a province of Canada, the terms of which provide that the principal and interest shall be fully repaid more than five years after the date on which the municipality makes the investment.
- 7.2 Bonds, debentures, promissory notes or other evidence of indebtedness issued by a corporation that is incorporated under the laws of Canada or a province of Canada, the terms of which provide that the principal and interest shall be fully repaid more than one year and no later than five years after the date on which the municipality makes the investment.
8. Negotiable promissory notes or commercial paper, other than asset-backed securities, maturing one year or less from the date of issue, if that note or commercial paper has been issued by a corporation that is incorporated under the laws of Canada or a province of Canada.
- 8.1 Shares issued by a corporation that is incorporated under the laws of Canada or a province of Canada.
9. Bonds, debentures, promissory notes and other evidences of indebtedness of a corporation incorporated under section 142 of the *Electricity Act, 1998*.
10. Bonds, debentures, promissory notes or other evidence of indebtedness of a corporation if the municipality first acquires the bond, debenture, promissory

note or other evidence of indebtedness as a gift in a will and the gift is not made for a charitable purpose.

11. Securities of a corporation, other than those described in paragraph 10, if the municipality first acquires the securities as a gift in a will and the gift is not made for a charitable purpose.
12. Shares of a corporation if,
 - i. the corporation has a debt payable to the municipality,
 - ii. under a court order, the corporation has received protection from its creditors,
 - iii. the acquisition of the shares in lieu of the debt is authorized by the court order, and
 - iv. the treasurer of the municipality is of the opinion that the debt will be uncollectable by the municipality unless the debt is converted to shares under the court order. O. Reg. 438/97, s. 2; O. Reg. 265/02, s. 1; O. Reg. 399/02, s. 2; O. Reg. 655/05, s. 2; O. Reg. 607/06, s. 1; O. Reg. 39/07, s. 1; O. Reg. 373/11, s. 1.

2.1 A security is prescribed for the purposes of subsection 418 (1) of the Act as a security that a municipality may invest in if,

- (a) the municipality invested in the security before January 12, 2009; and
- (b) the terms of the municipality's continued investment in the security have been changed pursuant to the Plan Implementation Order of the Ontario Superior Court of Justice dated January 12, 2009 (Court file number 08-CL-7440) and titled "In the matter of the *Companies' Creditors Arrangement Act*, R.S.C. 1985, c. C-36 as amended and in the matter of a plan of compromise and arrangement involving Metcalfe & Mansfield Alternative Investments II Corp. et al". O. Reg. 292/09, s. 1.

3. (1) A municipality shall not invest in a security under subparagraph 1 iii, v.1, v.2, vi.1, vi.2 or vi.3 or paragraph 3.1 or 4 of section 2 unless the bond, debenture, promissory note or evidence of indebtedness is rated,

- (a) Revoked: O. Reg. 265/02, s. 2 (1).
- (b) by Dominion Bond Rating Service Limited as "AA(low)" or higher;
- (b.1) by Fitch Ratings as "AA-" or higher;
- (c) by Moody's Investors Services Inc. as "Aa3" or higher; or
- (d) by Standard and Poor's as "AA-" or higher. O. Reg. 438/97, s. 3 (1); O. Reg. 265/02, s. 2 (1); O. Reg. 399/02, s. 3 (1); O. Reg. 655/05, s. 3 (1, 2); O. Reg. 607/06, s. 2; O. Reg. 39/07, s. 2.

(2) Revoked: O. Reg. 655/05, s. 3 (3).

(2.1) A municipality shall not invest in a security under paragraph 6.1 of section 2 unless the security is rated,

- (a) by Dominion Bond Rating Service Limited as “AAA”;
- (b) by Fitch Ratings as “AAA”;
- (c) by Moody’s Investors Services Inc. as “Aaa”; or
- (d) by Standard and Poor’s as “AAA”. O. Reg. 655/05, s. 3 (4).

(3) A municipality shall not invest in an asset-backed security under paragraph 7 of section 2 that matures more than one year from the date of issue unless the security is rated,

- (a) by Dominion Bond Rating Service Limited as “AAA”;
- (a.1) by Fitch Ratings as “AAA”;
- (b) by Moody’s Investors Services Inc. as “Aaa”; or
- (c) by Standard and Poor’s as “AAA”. O. Reg. 265/02, s. 2 (2); O. Reg. 399/02, s. 3 (2); O. Reg. 655/05, s. 3 (5).

(4) A municipality shall not invest in an asset-backed security under paragraph 7 of section 2 that matures one year or less from the date of issue unless the security is rated,

- (a) by Dominion Bond Rating Service Limited as “R-1(high)”;
- (a.1) by Fitch Ratings as “F1+”;
- (b) by Moody’s Investors Services Inc. as “Prime-1”; or
- (c) by Standard and Poor’s as “A-1+”. O. Reg. 265/02, s. 2 (2); O. Reg. 399/02, s. 3 (3); O. Reg. 655/05, s. 3 (6).

(4.1) A municipality shall not invest in a security under paragraph 7.1 of section 2 unless the security is rated,

- (a) by Dominion Bond Rating Service Limited as “AA(low)” or higher;
- (b) by Fitch Ratings as “AA-” or higher;
- (c) by Moody’s Investors Services Inc. as “Aa3” or higher; or
- (d) by Standard and Poor’s as “AA-” or higher. O. Reg. 292/09, s. 2 (1).

(4.2) A municipality shall not invest in a security under paragraph 7.2 of section 2 unless the security is rated,

- (a) by Dominion Bond Rating Service Limited as “A” or higher;
- (b) by Fitch Ratings as “A” or higher;
- (c) by Moody’s Investors Services Inc. as “A2”; or

(d) by Standard and Poor's as "A". O. Reg. 292/09, s. 2 (1).

(5) A municipality shall not invest in a security under paragraph 8 of section 2 unless the promissory note or commercial paper is rated,

(a) by Dominion Bond Rating Service Limited as "R-1(mid)" or higher;

(a.1) by Fitch Ratings as "F1+";

(b) by Moody's Investors Services Inc. as "Prime-1"; or

(c) by Standard and Poor's as "A-1+". O. Reg. 265/02, s. 2 (2); O. Reg. 399/02, s. 3 (4); O. Reg. 655/05, s. 3 (8).

(6) If an investment made under subparagraph 1 iii, v.1, v.2, vi.1, vi.2 or vi.3 of section 2 or paragraph 3.1, 4, 6.1, 7, 7.1, 7.2 or 8 of section 2 falls below the standard required by this section, the municipality shall sell the investment within 180 days after the day the investment falls below the standard. O. Reg. 292/09, s. 2 (2).

(6.1) Subsection (6) does not apply with respect to an investment made by a municipality under paragraph 7 of section 2 on a day before the day this subsection comes into force. O. Reg. 292/09, s. 2 (3).

(7) A municipality shall not invest in a security under paragraph 9 of section 2 unless, at the time the investment is made and as long as it continues, the investment ranks, at a minimum, concurrently and equally in respect of payment of principal and interest with all unsecured debt of the corporation. O. Reg. 265/02, s. 2 (2).

(8) A municipality shall not invest in a security under paragraph 9 of section 2 unless, at the time the investment is made, the total amount of the municipality's investment in debt of any corporation incorporated under section 142 of the *Electricity Act, 1998* that would result after the proposed investment is made does not exceed the total amount of investment in debt, including any interest accrued on such debt, of the municipality in such a corporation that existed on the day before the day the proposed investment is to be made. O. Reg. 265/02, s. 2 (2).

(9) Any investment made under paragraph 9 of section 2, including any refinancing, renewal or replacement thereof, may not be held for longer than a total of 10 years from the date such investment is made. O. Reg. 265/02, s. 2 (2).

(10) Subsections (7), (8) and (9) do not prevent a municipality from holding or disposing of a security described in paragraph 9 of section 2 issued by a corporation incorporated under section 142 of the *Electricity Act, 1998*, if the municipality acquired the security through a transfer by-law or otherwise under that Act. O. Reg. 655/05, s. 3 (9).

(11) A municipality shall sell an investment described in paragraph 10 or 11 of section 2 within 90 days after ownership of the investment vests in the municipality. O. Reg. 655/05, s. 3 (9).

(12) Revoked: O. Reg. 292/09, s. 2 (4).

4. (1) A municipality shall not invest more than 25 per cent of the total amount in all sinking and retirement funds in respect of debentures of the municipality, as estimated by its treasurer on the date of the investment, in short-term debt issued or guaranteed by the municipality. O. Reg. 438/97, s. 4 (1).

(2) In this section,

“short-term debt” means any debt, the terms of which provide that the principal and interest of the debt shall be fully repaid no later than 364 days after the debt is incurred. O. Reg. 438/97, s. 4 (2).

4.1 (1) A municipality shall not invest in a security under paragraph 7 of section 2 or in a promissory note or commercial paper under paragraph 8 of section 2 unless, on the date that the investment is made,

(a) the municipality itself is rated, or all of the municipality’s long-term debt obligations are rated,

(i) by Dominion Bond Rating Service Limited as “AA(low)” or higher,

(i.1) by Fitch Ratings as “AA-” or higher,

(ii) by Moody’s Investors Services Inc. as “Aa3” or higher, or

(iii) by Standard and Poor’s as “AA-” or higher; or

(b) the municipality has entered into an agreement with the Local Authority Services Limited and the CHUMS Financing Corporation to act together as the municipality’s agent for the investment in that security, promissory note or commercial paper. O. Reg. 265/02, s. 3; O. Reg. 399/02, s. 4; O. Reg. 655/05, s. 4 (1, 2).

(1.1) A municipality shall not invest in a security under paragraph 7.1 or 8.1 of section 2 unless, on the date the investment is made, the municipality has entered into an agreement with the Local Authority Services Limited and the CHUMS Financing corporation to act together as the municipality’s agent for the investment in the security. O. Reg. 655/05, s. 4 (3).

(1.2) Subsection (1.1) does not apply to investments in securities by the City of Ottawa if all of the following requirements are satisfied:

1. Only the proceeds of the sale by the City of its securities in a corporation incorporated under section 142 of the *Electricity Act, 1998* are used to make the investments.

2. The investments are made in a professionally-managed fund.

3. The terms of the investments provide that,

i. where the investment is in debt instruments, the principal must be repaid no earlier than seven years after the date on which the City makes the investment, and

ii. where the investment is in shares, an amount equal to the principal amount of the investment cannot be withdrawn from the fund for at least seven years after the date on which the City makes the investment.

4. The City establishes and uses a separate reserve fund for the investments.
5. Subject to paragraph 6, the money in the reserve fund, including any returns on the investments or proceeds from their disposition, are used to pay capital costs of the City and for no other purpose.
6. The City may borrow money from the reserve fund but must repay it plus interest. O. Reg. 655/05, s. 4 (3).

(2) The investment made under clause (1) (b) or described in subsection (1.1), as the case may be, must be made in the One Investment Program of the Local Authority Services Limited and the CHUMS Financing Corporation with,

- (a) another municipality;
- (b) a public hospital;
- (c) a university in Ontario that is authorized to engage in an activity described in section 3 of the *Post-secondary Education Choice and Excellence Act, 2000*;
- (d) the board of governors of a college established under the *Ontario Colleges of Applied Arts and Technology Act, 2002*;
- (d.1) a foundation established by a college mentioned in clause (d) whose purposes include receiving and maintaining a fund or funds for the benefit of the college;
- (e) a school board; or
- (f) any agent of an institution listed in clauses (a) to (d.1). O. Reg. 265/02, s. 3; O. Reg. 655/05, s. 4 (4); O. Reg. 607/06, s. 3; O. Reg. 292/09, s. 3; O. Reg. 52/11, s. 1.

5. A municipality shall not invest in a security issued or guaranteed by a school board or similar entity unless,

- (a) the money raised by issuing the security is to be used for school purposes; and
- (b) Revoked: O. Reg. 248/01, s. 1.

O. Reg. 438/97, s. 5; O. Reg. 248/01, s. 1.

6. (1) A municipality shall not invest in a security that is expressed or payable in any currency other than Canadian dollars. O. Reg. 438/97, s. 6 (1).

(2) Subsection (1) does not prevent a municipality from continuing an investment, made before this Regulation comes into force, that is expressed and payable in the currency of the United States of America or the United Kingdom. O. Reg. 438/97, s. 6 (2).

7. (1) Before a municipality invests in a security prescribed under this Regulation, the council of the municipality shall, if it has not already done so, adopt a statement of the municipality's investment policies and goals. O. Reg. 438/97, s. 7.

(2) In preparing the statement of the municipality's investment policies and goals under subsection (1), the council of the municipality shall consider,

- (a) the municipality's risk tolerance and the preservation of its capital;
- (b) the municipality's need for a diversified portfolio of investments; and
- (c) obtaining legal advice and financial advice with respect to the proposed investments. O. Reg. 265/02, s. 4.

(3) Revoked: O. Reg. 655/05, s. 5.

(4) In preparing the statement of the municipality's investment policies and goals under subsection (1) for investments made under paragraph 9 of section 2, the council of the municipality shall consider its plans for the investment and how the proposed investment would affect the interest of municipal taxpayers. O. Reg. 265/02, s. 4.

8. (1) If a municipality has an investment in a security prescribed under this Regulation, the council of the municipality shall require the treasurer of the municipality to prepare and provide to the council, each year or more frequently as specified by the council, an investment report. O. Reg. 438/97, s. 8 (1).

(2) The investment report referred to in subsection (1) shall contain,

- (a) a statement about the performance of the portfolio of investments of the municipality during the period covered by the report;
- (b) a description of the estimated proportion of the total investments of a municipality that are invested in its own long-term and short-term securities to the total investment of the municipality and a description of the change, if any, in that estimated proportion since the previous year's report;
- (c) a statement by the treasurer as to whether or not, in his or her opinion, all investments are consistent with the investment policies and goals adopted by the municipality;
- (d) a record of the date of each transaction in or disposal of its own securities, including a statement of the purchase and sale price of each security; and
- (e) such other information that the council may require or that, in the opinion of the treasurer, should be included. O. Reg. 438/97, s. 8 (2); O. Reg. 655/05, s. 6.

(2.1) The investment report referred to in subsection (1) shall contain a statement by the treasurer as to whether any of the following investments fall below the standard required for that investment during the period covered by the report:

- 1. An investment described in subparagraph 1 iii, v.1, v.2, vi.1, vi.2 or vi.3 of section 2.

2. An investment described in paragraph 3.1, 4, 6.1, 7, 7.1, 7.2 or 8 of section 2.

3. An investment described in subsection 9 (1). O. Reg. 292/09, s. 4.

(3) Upon disposition of any investment made under paragraph 9 of section 2, the council of the municipality shall require the treasurer of the municipality to prepare and provide to the council a report detailing the proposed use of funds realized in the disposition. O. Reg. 265/02, s. 5.

8.1 If an investment made by the municipality is, in the treasurer's opinion, not consistent with the investment policies and goals adopted by the municipality, the treasurer shall report the inconsistency to the council of the municipality within 30 days after becoming aware of it. O. Reg. 655/05, s. 7.

9. (1) Despite this Regulation, an investment by a municipality in bonds, debentures or other indebtedness of a corporation made before March 6, 1997 may be continued if the bond, debenture or other indebtedness is rated,

(a) Revoked: O. Reg. 265/02, s. 6.

(b) by Dominion Bond Rating Service Limited as "AA(low)" or higher;

(b.1) by Fitch Ratings as "AA-" or higher;

(c) by Moody's Investors Services Inc. as "Aa3" or higher; or

(d) by Standard and Poor's as "AA-" or higher. O. Reg. 438/97, s. 9 (1); O. Reg. 265/02, s. 6; O. Reg. 399/02, s. 5; O. Reg. 655/05, s. 8.

(1.1) Despite subsection 3 (4.1), an investment in a security under paragraph 7.1 of section 2 made on a day before the day this subsection comes into force may be continued if the security is rated,

(a) by Dominion Bond Rating Service Limited as "A" or higher;

(b) by Fitch Ratings as "A" or higher;

(c) by Moody's Investors Services Inc. as "A2"; or

(d) by Standard and Poor's as "A". O. Reg. 292/09, s. 5 (1).

(2) If the rating of an investment continued under subsection (1) or (1.1) falls below the standard required by that subsection, the municipality shall sell the investment within 180 days after the day the investment falls below the standard. O. Reg. 438/97, s. 9 (2); O. Reg. 292/09, s. 5 (2).

FORWARD RATE AGREEMENTS

10. (1) A municipality that enters into an agreement to make an investment on a future date in a security prescribed by section 2 may enter one or more forward rate agreements with a bank listed in Schedule I, II or III to the *Bank Act* (Canada) in order to minimize the cost or risk associated with the investment because of fluctuations in interest rates. O. Reg. 655/05, s. 9.

- (2) A forward rate agreement shall provide for the following matters:
1. Specifying a forward amount, which is the principal amount of the investment or that portion of the principal amount to which the agreement relates.
 2. Specifying a settlement day, which is a specified future date.
 3. Specifying a forward rate of interest, which is a notional rate of interest applicable on the settlement day.
 4. Specifying a reference rate of interest, which is the market rate of interest payable on a specified future date on an acceptance issued by a bank listed in Schedule I, II or III to the *Bank Act* (Canada).
 5. Requiring a settlement payment to be payable on the settlement day if the forward rate and the reference rate of interest are different. O. Reg. 655/05, s. 9.

(3) A municipality shall not enter a forward rate agreement if the forward amount described in paragraph 1 of subsection (2) for the investment whose cost or risk the agreement is intended to minimize, when added to all forward amounts under other forward rate agreements, if any, relating to the same investment, would exceed the total amount of the principal of the investment. O. Reg. 655/05, s. 9.

(4) A municipality shall not enter a forward rate agreement unless the settlement day under the agreement is within 12 months of the day on which the agreement is executed. O. Reg. 655/05, s. 9.

(5) A municipality shall not enter a forward rate agreement if the settlement payment described in paragraph 5 of subsection (2) exceeds the difference between the amount of interest that would be payable on the forward amount calculated at the forward rate of interest for the period for which the investment was made and the amount that would be payable calculated at the reference rate of interest. O. Reg. 655/05, s. 9.

(6) A municipality shall not enter a forward rate agreement except with a bank listed in Schedule I, II or III to the *Bank Act* (Canada) and only if the bank's long-term debt obligations on the day the agreement is entered are rated,

- (a) by Dominion Bond Rating Service Limited as "A(high)" or higher;
- (b) by Fitch Ratings as "A+" or higher;
- (c) by Moody's Investors Service Inc. as "A1" or higher; or
- (d) by Standard and Poor's as "A+" or higher. O. Reg. 655/05, s. 9.

11. (1) Before a municipality passes a by-law authorizing a forward rate agreement, the council of the municipality shall adopt a statement of policies and goals relating to the use of forward rate agreements. O. Reg. 655/05, s. 9.

(2) The council of the municipality shall consider the following matters when preparing the statement of policies and goals:

1. The types of investments for which forward rate agreements are appropriate.
2. The fixed costs and estimated costs to the municipality resulting from the use of such agreements.
3. A detailed estimate of the expected results of using such agreements.
4. The financial and other risks to the municipality that would exist with, and without, the use of such agreements.
5. Risk control measures relating to such agreements, such as,
 - i. credit exposure limits based on credit ratings and on the degree of regulatory oversight and the regulatory capital of the other party to the agreement,
 - ii. standard agreements, and
 - iii. ongoing monitoring with respect to the agreements. O. Reg. 655/05, s. 9.

12. (1) If a municipality has any subsisting forward rate agreements in a fiscal year, the treasurer of the municipality shall prepare and present to the municipal council once in that fiscal year, or more frequently if the council so desires, a detailed report on all of those agreements. O. Reg. 655/05, s. 9.

(2) The report must contain the following information and documents:

1. A statement about the status of the forward rate agreements during the period of the report, including a comparison of the expected and actual results of using the agreements.
2. A statement by the treasurer indicating whether, in his or her opinion, all of the forward rate agreements entered during the period of the report are consistent with the municipality's statement of policies and goals relating to the use of forward rate agreements.
3. Such other information as the council may require.
4. Such other information as the treasurer considers appropriate to include in the report. O. Reg. 655/05, s. 9

Staff Report

12.(viii)



To: Board of Directors
Date: September 5, 2014
From: Tracy Prince, Director of Finance
Subject: Accessibility Update

Approved Accessibility Project



On August 25th the concrete construction started by removing the old concrete steps and sidewalk, grading for the accessible ramp to the driveway, foundation for new entrance and accessible ramp to front door.

As of September 5, 2014, the concrete work for the renovated entrance to the front of the building on Mill Pond has been completed.



The large boulder that is the mounting for our historic plaque, has a new prominent location in front of the main door and can be seen from both the new ramp and the sidewalk leading up to the door. The expectation is that the railings and the line painting for the parking lot will all be complete by the September Board meeting and you will have had the opportunity to use.

The next stage will be to landscape with low maintenance scheme. Once the landscaping is completed the new sidewalk and ramp will provide an inviting path to all visiting the Conservation Authority building.

We are in the process of securing the architect to complete the inside drawings and providing a detailed listing of the materials to meet the accessibility requirements to renovate the main entrance, bathrooms, and kitchen facilities. Currently we are still planning for a December 31, 2014 finish of the accessibility upgrades.



St. Clair Region Conservation Authority

2015 Proposed Fees

September 18, 2014

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

CAMPING FEES	2014	2015
Reservation Fee	\$8.00	\$8.00
Cancellation Fee	\$15.00	\$15.00
Daily, Unserviced	\$34.00	\$34.00
Daily, Serviced	\$39.50	\$39.50
60 buck weekend (AWC & LCH on designated weekends)	\$60.00	\$60.00
Weekly, Unserviced	\$204.00	\$204.00
Weekly, Serviced	\$237.00	\$237.00
Monthly, Unserviced	\$612.00	\$612.00
Monthly, Serviced	\$710.00	\$710.00
Seasonal Camping Fees – April 30, 2014 to October 15, 2014	2014	2015
Full Payment made on or before April 15 2014 , 15 AMP service	\$1,790.00	\$1,790.00
Full Payment made on or before April 15 2014 , 30 AMP service	\$1,970.00	\$1,970.00
First instalment payment on or before April 15 2014	\$1,300.00	\$1,300.00
Second instalment payment on or before June 1 2014, 15 AMP service	\$525.00	\$525.00
Second instalment payment on or before June 1 2014, 30 AMP service	\$705.00	\$705.00
Half Season, 15 AMP (after August 1)	\$895.00	\$895.00
Half Season, 30 AMP (after August 1)	\$985.00	\$985.00
Quarter Season, 15 AMP (after Sept 1)	\$447.50	\$447.50
Quarter Season, 30 AMP (after Sept 1)	\$492.50	\$492.50
Seasonal late payment fee	\$35.00	\$35.00
Seasonal Campsite deposit (new seasonal camper wanting to reserve site for following season)	\$100.00	\$100.00
Miscellaneous Fees	2014	2015
Overnight Visitors (per person)	\$5.00	\$5.00
Sewage Pump Out per service fee	\$25.00	\$25.00
Sewage Pump Out seasonal fee	\$150.00	\$150.00
Winter Storage for Trailers arriving after Thanksgiving	\$150.00	\$150.00
Exterior fridge/freezer charge	\$150.00	\$150.00
Extra hydro fee for electric golf cart	\$150.00	\$150.00
Golf Cart (day/month)	\$ 5.00/\$30.00	\$ 5.00/\$30.00
Extra hydro/Exterior fridge/freezer if found during inspection by staff	\$200.00	\$200.00
Ice	\$3.00	\$3.00
Firewood (bundle)	\$7.00	\$7.00
Firewood (1/2 cord)	\$35.00	\$35.00
Firewood (cord)	\$70.00	\$70.00
DAY USE FEES	2014	2015
Vehicle	\$7.00	\$7.00
Pedestrians/Cyclists (16 & over)	\$2.00	\$2.00
Seasonal Day Pass	\$60.00	\$60.00
Buses	\$15.00	\$15.00
Open Pavilion reservation	\$60.00	\$60.00
Closed in Pavilion reservation (Warwick/LC Henderson)	\$100.00	\$100.00
Swimming Daily Fee	\$2.00	\$2.00
Seasonal Swimming Pass - Individual	\$35.00	\$35.00
Seasonal Swimming Pass - Family	\$90.00	\$90.00

CONSERVATION SERVICES FEES	2014	2015
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:		
Up to 950 trees	\$1.00/tree	\$1.00/tree
Minimum charge for under 1000 trees	\$750.00/site	\$750.00/site
500 - 999 trees	n/a	n/a
1000 – 1950 trees	\$0.92/tree	\$0.92/tree
2000 plus trees	\$0.80/tree	\$0.80/tree
Includes tree planting and initial herbicide application		
Seedling Tree Planting Services Hand plants:		
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	\$270.00 /application	\$270.00 /application
1000+ trees -machine sprayer single herbicide	\$0.25/tree/application	\$0.25/tree/application
1000+ trees -back pack single herbicide	\$0.35/tree/application	\$0.35/tree/application
Tank Mixes multiple herbicides	\$0.40/tree/application	\$0.40/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	

ADMINISTRATION FEES	2014	2015
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	2014/2015	2015/2016
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	2014	2015
Technical Reports - Adobe digital (pdf) format on CD	\$20.00	\$20.00
Data and Information Requests		
a) HEC II, HYMO, Hyrdo Pak, Streamgauge, Precipitation, Meteorological or Flow Data	\$65.00	\$65.00
Additional cost for data or information collection in excess of	\$50.00/hr	\$50.00/hr
b) one hour		
c) Additional cost for CDs or printed reports	\$20.00	\$20.00

Staff Report

13.(i)



To: Board of Directors
Date: August 25, 2014
From: Kevan Baker, Director of Lands
Subject: Conservation Lands Update

Conservation Areas:

Camping Statistics:

- 419 full and half seasonal campers have registered in our 3 campgrounds, up from 406 in 2013. 188 seasonal campers are registered at Warwick (189 in 2013), 123 at LC Henderson (118 in 2013) and 108 at A.W. Campbell (99 in 2013).
- our 3 regional campgrounds have been busy this year, gross revenues to date are \$912,000 (up 3%), with net revenues up 5% (end of July financials summary).

Warwick Conservation Area:

- access roadway project is moving along; currently all survey's and easements have been completed, still ongoing are land negotiations, road and drainage agreements; it is now anticipated that the roadway will be constructed in the spring on 2015
- 15 new picnic tables and 3 new benches have been constructed and distributed
- a new 300 metre bike cross trail has been constructed (funded through Foundation bingo)
- a new 620 metre trail has been developed; work included chip & dust surfacing, signage and installation of vehicle gates (funded through St. Clair Conservation Foundation)
- a 500 metre section of the Blue Flag trail was resurfaced with chip & dust; also a number of dead ash trees were removed along the trail



L.C. Henderson Conservation Area:

- a new property identification sign has been installed
- 15 new picnic tables and 2 benches have been constructed and distributed
- 5 new folding tables have been purchased for the visitor centre (funded through Foundation bingo)
- the main reservoir weir has been reconstructed with new cable concrete surfacing and additional rip rap protection
- 600 metres of existing trail have been surfaced with chip & dust; two sections of boardwalk have been upgraded to improve accessibility on this trail
- a bird house tree has been constructed



A.W. Campbell Conservation Area:

- new counter top and sinks have been installed in the women's pool washroom
- 15 new picnic tables have been constructed and distributed
- new campsite indicators have been installed on 20 campsites
- new carpet has been installed on the mini golf course (funded through Foundation bingo)
- 5 new tables have been purchased for the visitor centre (funded through Foundation bingo)
- a new bike cross trail has been constructed (funded through Foundation bingo)
- sections of the main lake trail have been surfaced with chip & dust



Wawanosh Conservation Area:

- a new property identification sign has been installed
- 4 picnic tables have been installed in the pavilion

Strathroy Conservation Area:

- Bonduelle Foods donated \$10,000 to improve trails and picnic tables within the conservation area; this donation included 4 new picnic tables with concrete pads (one accessible table) and 375 metres of new trail surfacing
- 2 new trail signs have been installed
- due to stream bank erosion, the main trail bridge over the Sydenham River was enlarged



C.J McEwen & Highland Glen Conservation Areas:

- Highland Glen - a new property identification sign has been installed; the boat ramp and harbour area has been dredged
- C.J. McEwen – renovations to the washrooms have been completed, they included new washroom partitions and ceilings; and floors and walls have been painted.

Marketing Initiatives in 2014:

Our conservation areas have been marketed in the following publications or events in 2014:

- Sarnia Lambton Tourism Guide, Middlesex County Guide and Chatham-Kent Guide
- Camping ads have been placed on MyFm, Strathroy-Middlesex Chamber of Commerce, Sarnia Chamber of Commerce and Victoria Playhouse websites
- Blue Water Tourism Guide (in partnership with other Conservation Authorities)
- Middlesex Home & Leisure Show (Strathroy Gemini Complex – April 26th)
- Sarnia Art Walk (Downtown Sarnia, June 7th and 8th)
- Our Conservation Area visitor guides are located at many of the municipal offices or libraries and tourist centres throughout the watershed
- Conservation Ontario has prepared a new “Conservation Areas of Ontario” guide, we purchased advertising space in the guide.

McKeough Upstream Lands:

- Property 79/80 – a wetland has been developed (Conservation Services Department)
- Property 97 – wildlife shrubs have been planted around the wetland (Conservation Services)
- Properties 38, 39, 40, 83 north, 95 north – grass buffers strips have been planted along drains and natural water courses
- A wetland will be constructed on property 38 this fall.
- Tenants in residences on properties 38 & 39 have been served with rent termination notices, these homes and outbuildings are scheduled for demolition early in 2015

Lambton County Lands:

Lambton County Heritage Forest:

- staff regularly inspect and perform maintenance on the 8 kms of trail
- Forestry staff have inventoried, marked and tendered a section of the woodlot for commercial thinning; two proposals have been received and thinning operations will be scheduled for this fall

Marthaville:

- A new trail sign has been installed
- 200 feet of property line fencing to be installed along the north side of the property
- Staff regularly inspect and perform maintenance



Bowens Creek:

- 8,100 seedlings were planted and 43,000 previously planted seedlings to be sprayed with herbicide to control grass and weeds

Perch Creek

- Trail improvements to include widening and extending the existing trail
- 1,000 seedlings have been planted to replace ash trees affected by the Emerald Ash borer

Management Agreement for the Keith McLean Conservation Lands

THIS AGREEMENT made this 18th day of September, 2014.

BETWEEN:

St. Clair Region Conservation Authority
Hereinafter referred to as the "Authority"
OF THE FIRST PART

-and-

St. Clair Region Conservation Foundation
Hereinafter referred to as the "Foundation"
OF THE SECOND PART

The Authority and the Foundation, upon transfer of the property ownership to the Foundation, agree to the following regarding the Keith McLean Conservation Lands consisting of the residence, outbuildings, agricultural lands, woodlands and wetlands:

1. The Authority shall manage the property as it deems appropriate for the conservation purposes and shall furnish such equipment, plant trees, erect and maintain fences, signs, manage the woodlots and wetlands and such other management items that may, in its opinion be required in connection with the proper management of the property and the cost thereof shall be borne by the Foundation via employment programs, grants and the Keith McLean Trust Account.
2. All revenues from the property shall go to the St. Clair Region Conservation Foundation. The Foundation shall reimburse the Authority for costs under item 3 of this agreement from the Keith McLean Land Trust.
3. The Authority shall present a budget and work plan to the Foundation annually for approval. Once approved, the Authority shall carry out operations and maintenance with the limits of the approved budget.
4. The Foundation's operation responsibilities include insuring the property, paying property taxes and applying for rebates.
5. This management agreement may be cancelled by either party upon 3 months written notice and all costs shall be adjusted as of the cancellation date. This management agreement may be altered upon written agreement by both parties.

IN WITNESS WHEREOF the parties hereto have set their hands and seals.

SIGNED, SEALED AND DELIVERED

St. Clair Region Conservation Foundation

St. Clair Region Conservation Authority

President

Chair

Executive Director

General Manager

Date

Date

Staff Report

14.(i)



To: Board of Directors
Date: August 22, 2014
From: Girish Sankar, Rick Battson
Subject: Source Water Protection - St. Clair Region SPA Assessment Report Update

The Assessment Report for the St Clair Region Source Protection Area was approved by the Minister of Environment in 2011. Since that time we have been working on developing the Source Protection Plan for the Thames-Sydenham and Region. Both these documents will soon be the subject of consultation. In advance of the formal consultation period, we will be pre-consulting with municipalities on the proposed amendments to policies in the Source Protection Plan.

Additional technical work has been undertaken regarding the Intake Protection Zone (IPZ) for the Petrolia Water Treatment Plant Intake in Bright's Grove which has resulted in an expansion of Intake Protection Zone 3 along watercourses between Aberarder Creek and Hickory Creek. The additional work involved modelling for spills of fuel in various locations and various volumes of spills.

Additional technical work has also been undertaken regarding the Intake Protection Zone (IPZ) for the Wallaceburg Municipal Water System Intake which has resulted in an expansion of Intake Protection Zone 3. The additional work involved modelling for spills of fuel and fertilizer in various locations and various volumes of spills. This additional work for these intakes has resulted in an update to the St. Clair Source Protection Area Assessment Report. In August, we undertook local informal consultation on the technical work which is being incorporated into the Updated Assessment Report for the St Clair Region Source Protection Area.

The Assessment Report is also being updated to include the Intake Protection Zones for the Chippewas of Kettle & Stony Point First Nation Drinking Water Source. The technical work completed by the First Nation on their drinking water source is being incorporated into the Assessment Report.

In advance of formal consultation on the revised Source Protection Plan in October, we held three open houses to highlight changes to IPZ-3: Clearwater Arena, Thursday August 14; Wallaceburg Municipal Office, Tuesday August 19; and at the Camlachie Community Centre, Thursday August 21. All of the Open Houses ran from 3:00 pm – 7:00 pm.

St. Clair region students win environmental scholarships

Four St. Clair region students preparing for their post-secondary careers got a boost to their financial well-being earlier this month.

Devan Spradbrow and Erich Maxfield of St. Clair Secondary, Lindsey Boere of Holy Cross Secondary School and Emily Marchand of Lambton-Kent Composite

School were the recipients of Conservation Scholarships, given out by the St. Clair Region Conservation Authority.

Each year the St. Clair Region Conservation Authority gives out Conservation Scholarships to graduating high school students who will be taking their post-

secondary studies in a conservation-related field.

Criteria for the scholarships include a high degree of academic achievement as well as a demonstrable interest and involvement with the environment.

Up to two \$1,000 awards and up to two \$500 awards are given out annually.

Students that reside within the boundaries of the conservation authority are eligible for the scholarship, which includes the communities of Sarnia, Forest, Petrolia, Wallaceburg, Dresden, Glencoe and Strathroy.

This year's group of recipients received their awards from the chair of St. Clair

Region Conservation Authority, Steve Arnold.

Spradbrow and Maxfield were each presented with the A.W. Campbell Memorial Scholarships, providing \$1,000 to each of the top two candidates for scholarship. Spradbrow plans to study geography at the University of Guelph while Maxfield is

entering the ecological restoration program at Fleming College.

Boere won the \$500 Tony Stranak Conservation Scholarship, while Marchand won the \$500 Mary Jo Arnold Conservation Scholarship. Both will be studying agriculture at the University of Guelph.



Submitted photo

Devan Spradbrow and Erich Maxfield, both of St. Clair Secondary, receive their A.W. Campbell Memorial Scholarships from Steve Arnold, Chair, St. Clair Region Conservation Authority. The awards are given to students with high marks and a demonstrated commitment to the environment, who will be studying in conservation-related fields during their post-secondary careers.



Submitted photo

Holy Cross Secondary School's Lindsey Boere accepts her 2014 Conservation Scholarship from Steve Arnold, Chair of the St. Clair Region Conservation Authority.



Submitted photo

Lambton-Kent Composite School's Emily Marchand receives her 2014 Conservation Scholarship from Steve Arnold, Chair of the St. Clair Region Conservation Authority.

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Graduating high school students receive Conservation Authority scholarships

Feature: [Lambton County](#) — By [JD Booth](#) on July 11, 2014 at 8:50 am



Devan Spradbrow, left, and Erich Maxfield received their A.W. Campbell Memorial scholarship award from St. Clair Region Conservation Authority Chair Steve Arnold recently.

The Conservation Scholarship program rewards graduating high school students continuing their post-secondary studies in a conservation related field based on their academic achievement and their demonstrated interest and involvement with the environment.

In total, \$3,000 was awarded across the St. Clair region this year.

Devan Spradbrow and Erich Maxfield, both from St. Clair Secondary, were selected as the recipients of the 2014 A.W. Campbell Memorial Scholarship. These \$1,000 scholarships are presented to the top two candidates for scholarships offered by the St. Clair Region Conservation Authority. Spradbrow will be studying Geography at the University of Guelph and Maxfield will be studying Ecological Restoration at Sir Sandford Fleming College.



Lindsey Boere was named recipient of the Tony Stranak Conservation Scholarship.

Lindsey Boere, Holy Cross Catholic Secondary School, won the \$500 Tony Stranak Conservation Scholarship. She will be studying Agriculture at the University of Guelph



Emily Marchand received the Mary Jo Arnold Scholarship award.

St. Clair region students win environmental scholarships

Scholarships, providing \$1,000 to each of the top two candidates for scholarships, Speed-Brown plans to study geography at the University of Guelph while Marchand is entering the ecological restoration program at Fleming College.

This year's group of recipients received their awards from the chair of St. Clair Region Conservation Authority, Steve Arnold. Speed-Brown and Marchand were each presented with the A.W. Campbell Memorial



Scholarship plans

Lambton-Kent Composite School's Emily March receives her 2014 Conservation Scholarship from Steve Arnold, Chair of the St. Clair Region Conservation Authority.

Moose holding fundraiser for Mohr

Courier Press staff

The Wallaceburg Moose Lodge is helping out one of their own.

Gus Mohr has been a member of the Moose for decades. Anything that needed to be done at the Moose, Mohr did it.

A fundraiser will take place at the Moose Lodge on Aug. 2 to purchase a wheelchair for Mohr.

Ted Charton, administrator at the Moose, said Mohr has been a member of the Moose for over 30 years.

Charton said Mohr has to contribute \$5,000 for a wheelchair so he can get in and out of his house.

"This is a guy that if you're selling a ticket, he would help out anyway, his body physically would let him. He's a good guy," Charton said.

Charton said Mohr spent a lot of time coaching minor baseball.

"He's a super person, but he's one of those people that are trying to live on a small pension and now he needs our help and he needs Wallaceburg and his friends help," Charton said.

The fundraiser has a goal of trying to raise \$5,000. "Come by and say hello to Gus and say hello and wish him all the best."

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'Phrag Busters' continue work to protect natural heritage of Lambton Shores

Forest Sted. July 24/14

By Kimberly Powell-McConaghy

Among all the work the Lambton Shores Phragmites Community Group is doing to make Lambton Shores a "Phrag Free Zone", they focus on the importance of educating residents of the issue and their setbacks and advances.

Phragmites is a perennial grass spreading like wildfire, causing severe damage to coastal wetland and beaches in North America. Over the past three years, with the support of the community, the Lambton Shores Phragmites Community Group (LSPCG) continues to make progress in restoring natural habitats and protecting coastal dunes and wetlands.

LSPCG Chair Nancy Vidler provides an update on action that is being taken in the education and treatment of Phragmites in our area. Fellow volunteers passionate about the fight against Phragmites distributed information to visitors to Port Franks on Canada Day weekend and will do the same at Aquafest in Grand Bend next month. Information packages have been sent out to developers along the shoreline and a meeting will be taking place with the Ontario Federa-

tion of Agriculture.

"The wet spring has created some challenges for the projects underway across the municipality," says Vidler. "Community Services is expanding its work along roadside ditches and coordinating with Lambton County Public Works. Touch up continues on municipal properties where work has been taking place over the last two years and ditches along the roadsides leading into Ipperwash are being targeted this year."

Work will continue this year in Grand Bend with the most significant area being the Harbourside storm management pond, which needs to be drained before it can be treated.

Last year, the opportunity to touch up the islands in the Ausable River. Port Franks was missed because of weather and Vidler says the regrowth this season illustrates the importance of touch up during the first three years of treatment.

"Working with the Ausable Bayfield Conservation Authority, the islands and riverbanks are scheduled for treatment in the fall," she adds. "Sunfish Bay and Mud Creek has seen a 90 per cent reduction in Phragmites. The regrowth appears to be along the river and creek banks where roots are in

standing water and therefore cannot be treated. The Port Franks beach has been a success story and will be monitored closely."

LSPCG continues to work with Kettle & Stony Point First Nations, the West Ipperwash Beach Association will be controlling Phragmites in West Ipperwash and other Ipperwash Beach Associations continue to monitor their shorelines. Lake Valley Grove, Sunnidale and Pine Tree Estates have completed the second year of treatment but again the higher water levels have presented some challenges.

With funding from the Canada Ontario Agreement and the Land Stewardship and Habitat Restoration Fund, approximately 30 acres of Phragmites has been rolled in Woods Drive, says Vidler. Rolling compresses the seed heads and results in a more efficient herbicide application on the new growth.

"We had hoped to complete a low complexity prescribed burn in this area, but the wet weather prevented this. Weather permitting, treatment on these 30 acres should begin in the next few weeks."

Municipal drains represent a significant challenge to the program because Phragmites likes

to grow in these wet areas and the drains represent a spread vector. The challenge with municipal drains is that the municipality cannot initiate control work without a request from a landowner assessed to the drain. As a result, municipal drains are being treated like private property because the landowners assessed to the drain pay for the work.

"We are asking private landowners assessed to a municipal drain to contact Lambton Shores and request that this work be completed if they notice Phragmites in or on the banks of the drain," says Vidler. "By taking this initiative, flooding can be prevented and spread vectors controlled. For farmers this means a greater crop yield and better drainage of their fields."

Vidler asks for members of the municipality to support these control efforts. "We must have a landscape approach to stop the spread," she adds. The Invasive Phragmites Management Plan for the Municipality of Lambton Shores is now available on the Municipal website. The LSPCG can be contacted through Vidler at nancyv@exciteink.com or by phone 519 243-2562.



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WATER

River is still an “area of concern”



By Brent Boles, Sarnia Observer
Sunday, July 27, 2014 4:42:35 EDT PM



Aerial shot of St. Clair River.

The St. Clair River, once cited for being unsightly is looking a lot cleaner, according to a recent report.

The report by the St. Clair Region Conservation Authority recommends lifting the “degradation of aesthetics” impairment on the area, putting it one step closer to losing its title as an “area of concern” amongst the Great Lakes.

“It’s taken a lot of years but it is very positive,” said Archie Kerr, a director with the Friends of the St. Clair River. “It’s not back to pristine levels but it’s improving.”

There are 14 different formal beneficial uses of the Great Lakes and their waterways. Since the St. Clair was deemed an area of concern in the 1980's, 10 of those uses have been cited as being impaired by pollution.

They can range from beach closings to bird and animal deformities, according to information on the Friends of the St. Clair website.

In the case of "degradation of aesthetics," the impairment refers to how the river looks and smells.

On that front, environmental efforts seem to be working.

Mostly gone are the oil slicks and floating scum that once plagued the waterway.

The study said that changes to treatment of waste water and a reduction in chemical spills over the past two decades "have generally addressed the original... aesthetic conditions."

Much of the foam that still floats ashore at this point is made from natural causes, read the report.

A several year survey found that 90% of the people who responded rate the river as looking fair, good or excellent.

Darrell Randell, president of the Friends of the St. Clair said the improvements have happened because of a societal shift in attitude.

"Back in the 70's and 80's, the river was treated like a sewer," he said. "It's treated as an asset now."

He remembers seeing the polluted water when he went to the shore for a swim one more than two decades ago.

"We looked at the water, turned around and went home and bought a swimming pool... Because who would want to go swimming there?"

While the report recommends lifting the impairment, general manager of the St. Clair Region Conservation Authority, Brian McDougall said the process takes time.

"I would love to say less than five years but it might be within that three to five year time line," he said.

The degradation of aesthetics impairment would not be the first to be lifted in the river.

In 2011 the area was cleared regarding the taste of fish and wildlife and in 2012 the United States and Canada both removed another citation regarding "added costs to agriculture or industry."


Though some of the impairments still remain, Randell said that the community has made "enormous headway on everything."

"There's a number that are ready for delisting," he said.

Three additional projects were recently announced in an effort to delist the St. Clair as an area of concern.

Another report from the St. Clair Remedial Action Plan committee recommends hydraulic drilling to get rid of contaminated sediment in the riverbed.

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ENERGY: Company welcomes provincial approval for project

Suncor moving ahead with wind turbine project

PAUL MORDEN
The Observer

Suncor Energy officials say they're working to set a date for the start of construction on the company's 46-turbine Cedar Point wind project in Plympton-Wyoming, Lambton Shores and Warwick Township.

The project has been in the planning stages since 2005 and received provincial renewable energy approval Friday.

"We're certainly pleased with this development," said Suncor spokesperson Jason Vaillant.

"This is a mayor milestone in the project for us."



This does not mean the end of our engagement with the community and the municipalities."

Jason Vaillant

The 100-MW wind energy project already has a 20-year contract with the Ontario Power Authority and is currently before the Ontario Energy Board seeking permission to build transmission lines needed to connect the Cedar Point project with the province's electricity grid.

"We're just evaluating our construction plans," Vaillant said Monday. "We haven't quite got a field construction start date yet."

Suncor will be working with the municipalities and St. Clair Region Conservation Authority to secure local permits required to begin construction, he said.

The wind project that is expected to stretch from Camlachie to just west of Army Camp Road in Lambton Shores could be up and operating by late 2015, Vaillant said.

"But, that's assuming all these things fall into place," he added.

How much of the construction work is able to continue through the

start the project has, Vaillant said.

"There is some field work to be done with excavation and concrete work," he said. "Those parts can be weather dependent."

Although the formal public consultation process for the provincial renewable energy approval has been completed, Vaillant said Suncor will continue to consult with the local communities.

"This does not mean the end of our engagement with the community and the municipalities," he said.

"I think that's going to continue right through the next phase of the project, through construction and operation."

Ontario's renewable energy approvals can be appealed to a provincial tribunal and in July Lambton County council said it would join an appeal of the Cedar Point project approval, if one is filed.

A 15-day period for appeals to be filed began when the Cedar Point approval was announced Friday.

Plympton-Wyoming Mayor Lonny Napper said on the weekend that the municipality will be talking with its lawyers about what action it may take.

Ingrid Willemsen of the citizens' group We're Against Industrial Turbines Plympton-Wyoming, said it's also considering legal action.

The Cedar Point project has already been through one court proceeding when Suncor successfully challenged Plympton-Wyoming bylaws aimed at wind turbine projects.

The renewable energy approval for the Cedar Point project comes as Nextera Energy is building its 92-turbine Jericho Wind Energy Centre in Lambton Shores and Warwick Township.

Nextera officials have said that \$400-million project is expected to be up and operating by the end of this year.

Until now, Lambton County has been home to just 14 wind turbines in small projects built near Kettle Point and in Brooke-Alvinston Township.

Transcript: Free Press Aug 14/2014

SCRCA takes over reigns of fishing derby

by Liana Russwurm

For the past 20 years, the Alvinston Hackers have hosted the Kids' Fishing Derby at the A.W. Campbell Conservation Area for families to enjoy a day of fishing, food and prizes on the third Saturday in July.

This year's derby had kids and their parents out at the Conservation Area despite the threat of rain as early as 8:00 a.m. on Saturday, July 18.

Handing over the reigns of the fishing derby to the St. Clair Region Conservation Authority (SCRCA) wasn't easy for members of the Hackers who co-hosted the event as a fond farewell. For Hacker president Tom Scott, it is a sign of the times as their membership over the last few years has diminished leaving them unable to continue to provide the support to the community through this event and many others.

The SCRCA decided to continue the event when the Alvinston Hackers decided to disband earlier due to rising costs and a drop in their membership. The Hackers have been an important part of this community for the past 35 years.

"This year's Derby was down in attendance," said organizer Mike Tizzard. He

believes there may have been some mix ups in advertising due to the switch over. Regardless, everyone was impressed with those who did make it out as the weather was dreary, turning to a light drizzle for the majority of the day.

The die-hard fishing competitors didn't let the rain ruin their day. "In the many years we have been holding this event, this is only the

second time it has rained in my memory," said Scott.

After registering, those 16 and under fish until noon, with everything they catch being measured and noted before the fish are thrown back in the pond. Everyone attending the Derby was treated to a free hot dog lunch while the organizers tallied up the results. Every participant walked away with a prize.



CATFISH CHAMPIONS - Winners in the catfish category in the Fishing Derby held at the A.W. Campbell Conservation Area were l. to r. April Wood, Dawson Elliott, Braydon Houston and Easton Savoie. They each won a fishing pole that they can use in next year's Derby.

photo by Liana Russwurm



HANDING OVER REIGNS - Handing over the reigns to the kids fishing derby, Alvinston Hackers' president Tom Scott (right) tallies up the winners with Mike Tizzard (left) and Don Skinner who is representing the SCRCA which is taking over the annual event.

photo by Liana Russ

St. Clair Conservation Authority takes over the reigns of the Hackers Kids Fishing Derby

By Liana Russwurm

For the past 20 years the Alvinston Hackers have been hosting the Kids Fishing Derby at the A.W. Campbell Conservation grounds for kids and their families to enjoy a day of fishing, food and prizes on the third Saturday in July. This years Derby had kids and their parents out at the Conservation area despite the rain as early as 8a.m. on Saturday, July 18.

Handing over the reigns of the Fishing Derby to the St. Clair Region Conservation Authority wasn't easy as members of the Hackers co-hosted the event as a fond farewell. For Hacker President, Tom Scott it is a sign of the times as their membership over the last few years has diminished leaving them unable to continue to support the community through this event and many others.

Each year many families look forward to the Kids

Continued on Page 5



Winners in the catfish category at the Kids Fishing Derby held at the A.W. Campbell Conservation area on Saturday, July 18 were, from left to right, April Wood with a 24 inch catfish, Dawson Elliott also with a 24 inch catfish, Braydon Houston with a 20 inch catfish and Easton Savoie who caught a 22 inch catfish. All the kids won a fishing pole they can use at next years derby.

Photo by Liana Russwurm

Guide Advocate July 31, 2014

Continued from Page 1

FISHING DERBY

Fishing Derby, as it has become a family tradition for many.

"I have been bringing my boys to the event for at least 12-13 years," said Jason Morningstar, a father at this year's event.

The St. Clair Conser-

vation Authority decided to continue the event when the Alvinston Hackers decided to disband due to rising costs and a drop in their membership.

"This years Derby was down in attendance," said organizer Mike Tizzard. He believes there may have been some mix ups in adver-

tising due to the switch over. Despite that everyone was impressed with those who did make it out, as the weather was dreary, turning to a light drizzle for the majority of it. The die-hard fishing competitors didn't let the rain ruin their day.

"In the many years we have been doing this event this is only the sec-

ond time it has rained in my memory," said Tom Scott.

The kids 16 and under who are fishing in the derby register when they arrive. They fish until noon, with everything they catch being measured and noted and then the fish are thrown back in the pond. Everyone attending the Derby was

Continued on Page 9

Continued from Page 5

FISHING DERBY

treated to a free hotdog lunch while the organizers tally up the results.

The kids who catch the biggest three catfish and bass win fishing poles and this year there were also many other prizes handed out including

tackle boxes and bubbles. Every kid who participated walked away with a prize.

It is a fun event, one

that the St. Clair Region Conservation Authority is happy to continue as a rite of passage in summer for many families.



Lily Henderson (left) came in first place with her 13.5-inch bass at the Kids Fishing Derby held at the A.W. Campbell Conservation area on Saturday, July 18. Abby South (right) was second with an 8.5-inch bass. Blake Reddick (not present for the photo) clocked in with a 7.5-inch bass taking third place.

Photo by Liana Russwurm



Maëlle Bryans (front) and Luke Bryans (back), children of Rachel and Steve Bryans didn't let the rainy weather get them down as die-hard competitors in this year's Fishing Derby held at the A.W. Campbell Conservation on Saturday, July 18.

Photo by Liana Russwurm



Photo submitted

St. Clair Region Conservation Authority conservation education technician Melissa Gill, left, and Authority biological technician Kelli Smith give students a chance to experience nature first-hand, in this file photo.

Ontario Trillium Foundation supports conservation work

Petrolia Topic staff

Thanks to a major grant from the Ontario Trillium Foundation, more will be learned about Lambton County streams and creeks flowing into Lake Huron.

Partners on the project include the Carolinian Canada Coalition, St. Clair Region Conservation Authority and Chippewas of Kettle and Stony Point First Nation.

Students participating in the program will conduct a stream investigation, learn about aquatic monitoring techniques and make pledges to protect aquatic habitats.

"The best way to learn about the aquatic

environment is by standing in the water. Students flip rocks, net river critters and check minnow traps," said Melissa Gill, a conservation education technician with the Authority. "As educators, we emphasize connections between habitat and aquatic health, but the greatest benefit comes from having students experience a healthy babbling creek and its fishes and other creatures first-hand."

"We look forward to working with local youth to come up with solutions to protect and restore these natural resources," said Bronwen Buck, outreach co-ordinator with Carolinian Canada. "This region, the Carolinian zone, has over 500 rare

species and habitats, making it Canada's No. 1 biodiversity hotspot. By working with students through our Grow Wild! outreach program, we teach them about the importance of local ecosystems and empower them to make their actions count." Starting in early June, biologists began visiting creeks and rivers that drain to Lake Huron to identify, measure, and weigh fish before releasing them back to the water. Late in the summer, biologists will re-visit the area looking for freshwater mussels.

According to Authority aquatic biologist Erin Carroll, "fish and mussels are excellent indicators of water quality because different

species respond to pollution in different ways. If rivers are healthy, we will know it by the types of aquatic animals we find." Information collected will be published in Watershed Report Cards which summarize the current state of the St. Clair Region's watersheds. The report cards track and report on the surface and groundwater quality and forest conditions in the watersheds.

The Lake Huron program will engage students with their own watershed and help people appreciate how local actions impact local streams.

Aquatic surveys will also be conducted as part of the program.

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CONSERVATION

Map turtles released into Sydenham River



By Diana Martin, Chatham Daily News
Thursday, August 28, 2014 6:21:32 EDT PM



Image: 1 of 2



Kelli Smith, St. Clair Region Conservation Authority biological technician, gently releases a one-week-old map turtle into the Sydenham River on Thursday, August 28, 2014. Twenty-three hatchlings were reintroduced to the water after being removed from a precarious roadside nest in June and hatched at a wildlife rehabilitation centre. Map turtles are listed as a special concern federally and provincially and also protected under the Ontario Fish and Wildlife Act. Diana Martin/Chatham Daily News/QMI Agency

WALLACEBURG - Kelli Smith delicately holds the toonie-sized map turtle between her thumb and forefinger near the water.

A pebble-sized head and tiny legs stretch out from underneath an olive-green shell criss-crossed with fine yellow lines before sliding beneath the surface and into the wild.

Smith, a biological technician with the St. Clair Region Conservation Authority, and her colleague, John Jimmo, a fisheries technician, grin excitedly at each other as the first of 23 hatchlings are introduced to their new home along the Sydenham River.

"It was like a proud parent moment," said Smith. "It's the first time we've done something like this. There was a lot of excitement this morning when they came in."

The turtles came from two separate clutches that were found along a roadside near the river in June. They were carefully transported to Salthaven Wildlife Rehabilitation Centre in Mount Brydges where they hatched a week ago.

Smith said the process was nerve wracking, because turtle eggs are delicate and any disturbance can cause the embryo to detach from the egg and die.

"These were on a roadside and there were many predated nests. Just being on a roadside alone is dangerous," said Jimmo.

He added it isn't normal practice to move nests.

"If it's under threat of loss, yes we'd like to step in and do what we can to save them," Jimmo said. "But if it's not, we'd leave it there."

The turtles are listed as a species of special concern in the federal Species at Risk Act and the provincial Endangered Species Act, and as a specially protected reptile under the Ontario Fish and Wildlife Conservation Act.

The declining numbers have been attributed to water pollution which causes a decline in the female turtle's primary food source, molluscs, as well as the degradation of habitat, or total loss through shoreline development.

According to the Ontario Nature website, a recent study also saw a high numbers of the reptiles being injured by boat propellers and along roadways.


Reproduction can be challenging because the females don't reach breeding maturity for nearly 12 years and only produce 10-17 eggs, which have a high mortality rate from foxes and racoons raiding the nests.

"At the moment they're not being given much consideration. Public awareness and education is key because we want theses species for a reason," said Smith. "They're great for the ecosystem," she added. "They help maintain other populations, they eat the algae and bugs and keep the system clean in a sense."

Smith said if someone finds a nest along a roadside they should call the local conservation authority or wildlife rehabilitation centre, but should not disturb the nest themselves.

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Tiny turtles find new sanctuary

WALLACEBURG — Map turtles, an endangered species, are finding a comfortable home in the Sydenham River

Kelli Smith, a biological technician with the St. Clair Region Conservation Authority, and her colleague, John Jimmo, a fisheries technician, have brought the toonie-sized turtles into the river. The turtles were found on a roadside and hatched at the Salthaven Wildlife Rehabilitation Centre in Mt. Brydges. The turtles are listed as

a species of special concern in the federal Species at Risk Act and their numbers are declining because of water pollution

Chatham Daily News

Straw porker drawing stares

SEBRINGVILLE — If you're driving along Perth Line 38 near Sebringville you might notice a strikingly large pig outside the de Martines farm. But this isn't your run-of-the-mill hog. It's made from bales of straw, chicken wire and a whole lot of creativity. Fred

■ CONSERVATION: New research underway in Lambton creeks

Fish and mussels help assess watershed health

PAUL MORDEN
The Observer

New research into the health of the Lambton County streams and creeks flowing into Lake Huron will be carried out over the next two years, with funding from the Ontario Trillium Foundation.

It's providing \$58,400 to a conservation project involving the Carolinian Canada Coalition, St. Clair Region Conservation Authority and the Chippewas of Kettle and Stony Point First Nation.

"We're doing fish and mussel sampling all along the Lake Huron tributaries within our watershed," stretching from Kettle Point to Sarnia, said Erin Carroll, aquatic biologist with the conservation authority.

Information gained from that will help with a watershed report card produced every five

years, "which helps us to assess the watershed's health, and also target our stewardship projects and restoration projects," Carroll said.

The sampling work began in early June as biologists visited creeks to find, measure and weigh fish, before releasing them back into the water.

"We've kind of been lucky," Carroll said. "We're run into rainbow trout in a couple of places."

Most appear to be fish stocked by the Bluewater Anglers, "but we have been seeing some reproducing on their own, as well," she said.

Work has also begun identifying areas to survey freshwater mussels in the waterways.

"Depending on the fish and mussels that we find, we can assess the water quality and the overall health," because some species are very sensitive to con-



Some of them can live more than 50 years, so you probably don't want to eat a fish that are more than a couple of years old."

Erin Carroll

ditions in the water, Carroll said. "They're basically biological indicators."

The area the conservation authority takes in includes one of the "most mussel-rich areas in all of Canada," particularly the nearby Sydenham River where 34 different species can be found,

she said.

"It's really incredible, actually." Many of the species are risk, and are also long-living bottom feeders, so eating fresh water mussels found locally isn't a good idea, Carroll said.

"Some of them can live more than 50 years, so you probably don't want to eat a fish that are more than a couple of years old," she said.

"These guys have all the contaminants within their tissue, so it's really not recommended."

In years past, freshwater mussels were harvested in great numbers and the inside of their shells used to make buttons.

"That's one of the reasons they're at risk in our area," Carroll said.

"Because they are such long-living species, they don't have the ability to rebound very easily."

A second part of the project

SYDENHAM RIVER MUSSEL SPECIES AT RISK:

- northern riffleshell
- waxy-rayed lampmussel
- rayed bean
- snuffbox
- mudpuppy mussel
- kidneyshell
- round hickorynut
- round pigtoe
- mapleleaf mussel
- eastern pondmussel
- fawnsfoot

will involve working with young people at Kettle and Stony Point and the area to teach them how to carry out fish and mussel surveys.

See CONSERVATION | Page A2

■ CONSERVATION

34 species live in Sydenham river, most at risk

Continued from A1

“As well, we’re working with Hillside School at Kettle Stony Point with their Grade 3 and 4 students, getting them down into the creek and seeing some of the critters and fish and mussels firsthand,” Carroll

Those students will be exploring Shashawandah Creek, a body of water with a name often spelled differently on maps and road signs, Car-

roll said.

“I think the First Nations actually said it was called Shawana, and the original cartographer didn’t know how to spell it.”

The best way to learn about the streams is by standing right in the water, said Melissa Gill, a conservation education technician for the conservation authority.

“Students flip rocks, net river



I think the First Nations actually said it was called Shawana, and the original cartographer didn’t know how to spell it.”

Erin Carroll

critters and check minnow traps,” she said.

“As educators, we emphasize connections between habitat and aquatic health, but I think the greatest benefit comes from

having students experience a healthy babbling creek and its fishes, and other creatures first-hand.”

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Is Your Municipality Storm Ready?

Climate change and municipal adaptation in the Great Lakes and St. Lawrence Region

The impacts of climate change continue to advance in the Great Lakes and St. Lawrence Region. More frequent and more erratic weather events, and a steadily increasing trend in temperature and rainfall are evident across the region. Warmer temperatures are expected to continue their march north, with some models predicting that, by 2050, Southern Ontario's humid continental climate will feel more like the humid subtropical climate of the state of Kentucky. (See comparison in Figure 1 on page 10.)

Is a subtropical climate in Southern Ontario's future?

Why Adapt Now? Escalating Costs and Municipal Liability

The impacts of erratic weather are already being felt in municipalities across the Great Lakes and the St. Lawrence Region, often at significant expense. Not only are municipalities incurring costs to respond to and clean up after storms, and to repair damaged infrastructure, they are also facing legal repercussions for failing to adapt to climate change. Municipalities increasingly have a responsibility to adjust their "standard of care" in light of the changing information on climate. Relying on outdated standards or processes can be considered negligent if new information suggests that they should be reconsidered.



The June 2012 flood event in Thunder Bay, Ontario. Photo: City of Thunder Bay

Municipal liability changing with the climate

In Ontario, both statutory and common law point to the need for municipalities to adapt their operations and infrastructure to a changing climate, or risk being sued for negligence.

Two class-action lawsuits have been launched in Ontario in recent years, raising the profile of municipal liability for climate impacts in Ontario. The 2012 flood in Thunder Bay has prompted a \$320 million CAD class-action lawsuit against the municipality. Likewise, reoccurring flooding in Mississauga is the subject of a \$200 million CAD class-action suit against the mu-

nicipality, conservation authority, and provincial government.



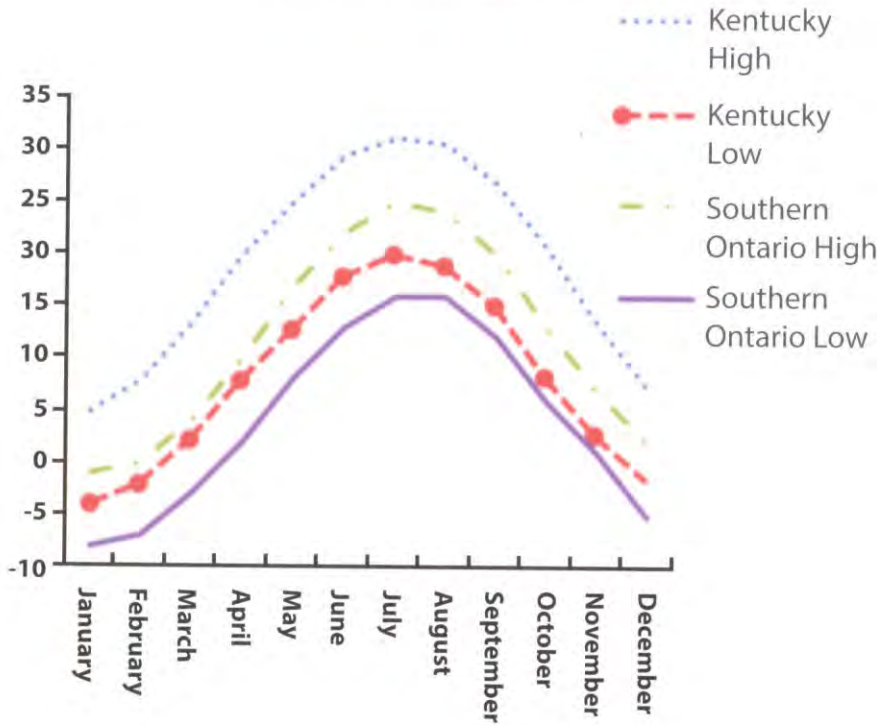
NICOLA CRAWHALL is the Deputy Director of the Great Lakes and St. Lawrence Cities Initiative, a coalition of 115 Canadian and U.S. mayors representing 17 million citizens, who work to advance the protection and restoration of the Great Lakes and St. Lawrence Basin.



JILLIAN MARTIN is completing an undergraduate degree in environmental studies at the University of Toronto.

Figure 1

Comparison of Ontario and Kentucky's annual temperature fluctuations



Extreme weather costs are frequently being incurred by Cities Initiative members:

- ▶ In 2011, a tornado tore through the lakeside town of Goderich, Ontario, tragically resulting in one death and 37 injuries, and \$150 million CAD in damages.
- ▶ The 2012 thunderstorm in Thunder Bay, Ontario triggered extensive flooding, causing damage to municipal infrastructure and facilities, as well as private buildings. The total estimated cost of the flood disaster event is \$43.9 million CAD.
- ▶ In 2013, intense rainfall over several hours generated urban flooding in Toronto, causing significant damage to both public and private property throughout the city. The City of Toronto's estimate for storm costs is \$70.1 million CAD.

Predicting weather changes in your municipality

Some municipal staff have expressed frustration with the lack of information available on the anticipated changes to

the climate in their local area. This type of downscaled predictive modelling would be enormously valuable to municipalities that are faced with making multimillion dollar investments in infrastructure that will serve the community for the next 50 to 100 years. Some municipalities, like the City of Toronto, have worked with climatologists to do this type of modelling at a scale that can inform these decisions. But, not all municipalities have these resources at their disposal.

In the absence of this localized predictive modelling, some trends should be taken into consideration, because they will affect everything from wastewater and stormwater management, to land use planning, road and bridge maintenance, building standards, parks and urban forestry, and public health services and emergency planning.

Intense storms, intense stormwater run-off

More frequent and severe storms are already hitting communities, and

are expected to double in frequency, particularly in winter and spring, by the end of this century in the region. Combined with intensive land use practices, these storms are already causing stronger flooding, erosion, sewer overflows, and increased run-off of pollutants into waterways, resulting in beach closures, and massive algal blooms caused by higher nutrient levels. In 2011, a 5000 square kilometre mass of algae covered the western end of Lake Erie.

More rain, more drought

Winter snow days are expected to be reduced by half, replaced by rain. Rain will increase by 10 to 20 percent in winter and spring months in the region, with rapid snow melts, that can exceed stormwater conveyance capacity and cause flooding. There will be five to 15 percent less rain in the summer, leading to drier soil and periods of drought, possibly affecting water supply.

Temperatures on the rise

Temperatures in the region are expected to increase by up to three degrees Celsius by 2050, and eight degrees Celsius by 2100. This will lead to an additional two to four weeks of temperatures over 35°C each year. These extended heat waves will disproportionately affect vulnerable populations like the elderly, children, and people with respiratory problems.

Low water levels

Despite higher water levels over the past year, water levels in the Great Lakes have been on a downward slope over the last 30 years, reaching historic lows at the end of 2012 in Lakes Michigan and Huron. This is largely attributed to more rapid evaporation of surface waters due to rising temperatures. Low water levels have a direct economic impact on communities, affecting tourism and recreation, shipping, and property values, as well as municipal drinking water, stormwater, and wastewater operations.

While the threats posed by climate change are known, municipal action on adaptation has been slow. Only a handful of Ontario municipalities have adopted comprehensive adaptation strategies.

Unpredictable winter conditions

While the trend is towards shorter and wetter winters, this year's polar vortex showed just how unpredictable and erratic weather is becoming, even during winter months. Warmer weather followed by fast freezes are resulting in more frequent ice storms. The one experienced in the Greater Toronto area at the end of 2013 caused enormous disruption – including the closure of Pearson International Airport and electricity blackouts lasting five to six days in some areas. Fast spring snow melts combined with precipitation events

causing flooding are also becoming more common.

Municipal Adaptation and Resiliency: Out with the Old (Assumptions), In with the New (Projections)

If your municipal policies, standards, and built infrastructure reflect *old assumptions* about weather, they need to be reviewed and adapted to *future climate projections*, to protect residents, businesses, and public assets from extreme storms, rapid snow melts, low water levels, extended heat waves, and drought.

Timely adaptation and building community resiliency can lessen the severity and reduce the costs of climate change impacts. Though it may seem like a daunting task, climate adaptation is nothing new. Following Hurricane Hazel in 1954, Ontario developed regulations that restricted developments on flood plains that have helped municipalities in times of heavy rains.

While the threats posed by climate change are known, municipal action on adaptation has been slow. Only a handful of Ontario municipalities have adopted comprehensive adaptation strategies. This is due, in part, to

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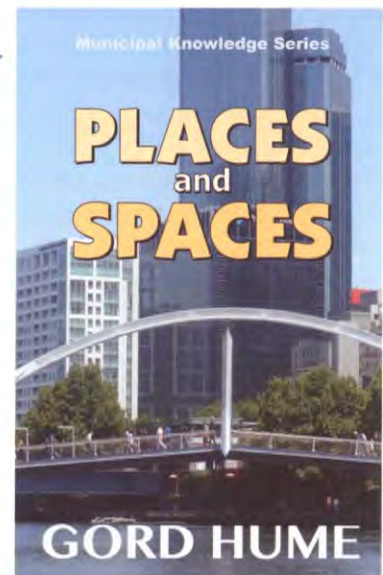
Gord digs deep into contemporary issues, including:

Why people fall out of love with their city.

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Gord Hume is one of Canada's most respected commentators on local government issues. He is a sought-after speaker for conferences and municipalities around the world. An entrepreneur, four-term councillor, and successful business leader, Gord brings his unique perspective to 21st century city building in this must-read book.



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a lack of resources and an absence of clear information about what weather to plan for. However, when you scratch the surface, it is evident that there are many actions being taken that may not be part of a comprehensive strategy, but that are still being integrated into current operations.

For instance, municipalities have moved forward with changes to building code standards, or have introduced incentives for backflow valve installation; they have revised

their intensity-duration-frequency (IDF) curves and other infrastructure design specifications; they have begun installing permeable pavement and other green infrastructure; they have increased the number of cooling centres based on assessments of vulnerable populations and heat island mapping within the municipality; they have increased their tree canopy and revised their shade policies. These are all important steps towards adaptation.

Nevertheless, more needs to be done. These efforts need to be significantly expanded to meet the risks and liability posed by climate change.


The Municipal Adaptation and Resiliency Service

With financial support from the Ontario Government, the Cities Initiative has launched the Municipal Adaptation and Resiliency Service (MARS) to help municipalities expand and accelerate their adaptation activities. MARS is designed to help municipalities of any size and at any stage of the adaptation process. The service consists of:

1. **A Call to Action** by Cities Initiative member municipalities, describing what adaptation efforts they will be undertaking over the next two years.
2. **MARS Climate Adaptation Portal**, a one-stop shop to find essential climate and adaptation information and resources, hosted by the Ontario Centre for Climate Impacts and Adaptation Resources.
3. **Climate Adaptation Training Webinars** on adaptation in a range of municipal operations, from wastewater to land use planning, from parks to public health, hosted by the Clean Air Partnership.
4. **MARS Awards** for progress and innovation in adaptation, to be presented to member municipalities in 2015.
5. **Demonstration projects** showcasing innovative approaches to adaptation in select member municipalities.

In its first phase, the MARS program was introduced to Ontario Cities Initiative members. It is being expanded into Quebec and the eight Great Lake states over the course of 2014, to become the first regionally-specific, binational adaptation program of its kind in North America, facilitating the sharing of information and best practices throughout the Great Lakes and St. Lawrence Region.

More information on MARS is online at <www.glsicities.org/mars.cfm>. **MW**



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Multi-Year Tree Planting Program for Strathroy-Caradoc

A new multi-year tree planting program has been approved by Strathroy-Caradoc Council that will see planting in residential areas.

This year's program will focus on the Parkview Estates subdivision and Riverview Drive area in Strathroy, with plans for the planting of 250 trees on municipal property in these areas in late fall of 2014. To support these efforts, the Municipality of Strathroy-Caradoc was selected as one of 25 Canadian communities to be awarded with a TD Green Streets grant earlier this year. The TD Green Streets program supports leading-edge practices in municipal forestry, including tree planting, inventory, maintenance and educational activities.

In 2013, the municipality partnered with the St. Clair Region Conservation Authority to develop a comprehensive inventory of potential tree planting locations within the community. The inventory resulted in more than 3,400 potential planting locations, based on available space for infill plantings in residential areas where trees were either removed due to damage or disease (such as the removal of numerous trees affected by the Emerald Ash Borer disease in 2012-13), or where space permits for additional street trees on public lands. This year's plan to plant 250 new trees is the first step in what will be a multi-year effort to cover all 3,400 potential planting locations across Strathroy-Caradoc.

Homeowners who are to receive a planting in front of their properties this fall will have been notified through communications which were distributed in August. The communication package will include a list of approved street tree varieties for residential areas that they will be able to select from for their properties. The package will also include educational materials outlining the intent of the plan and encouraging residents to assume a stewardship role in caring for their newly planted tree.

The total cost of this year's tree planting program will be \$16,000, to be shared among the municipality, St. Clair Region Conservation Authority, and grant support through the TD Green Streets program.

For more information on the tree planting program, visit the 'Trees' page of the municipal website at www.strathroy-caradoc.ca.

*article written by Andrew Meyer,
Community Development Manager*