



## Board of Directors *Notice of Meeting*

September 19<sup>th</sup> - 10:00 a.m., Administration Office, Strathroy

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### Tentative Agenda

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1. Chair's Remarks
2. Declaration of Pecuniary Interests
3. Minutes
4. General Manager's Report
  - (i) GM's Report
  - (ii) 2012 Conservation Ontario Statistical Survey
5. Chair & Conservation Ontario Report
  - (i) CO June 24, 2013 minutes
6. Business Arising from last meeting
7. Conservation Area Reports
  - (i) Conservation Areas Update
  - (ii) McKeough Lands Residential Property Status Report
8. Water Resources Reports
  - (i) Current Watershed Conditions
  - (ii) 2013-14 WECI Projects
9. Biology Reports
  - (i) Fish Habitat Review Activities
  - (ii) Environmental Farm Plans
  - (iii) Talfourd Creek Monitoring and Education Project
  - (iv) Lambton Shores – Healthy Lake Huron Programs
  - (v) Healthy Sydenham Headwaters
  - (vi) Watershed Report Card
10. Conservation Services Report
  - no reports
11. Planning & Research Reports
  - (i) Regulations Committee Report
  - (ii) Monthly Planning Activity Summary Report
  - (iii) DART cost recovery
  - (iv) St. Clair River AOC
  - (v) Official signing of SCRCA Regulation
12. Finance Reports
  - (i) Revenue & Expenditure Report
  - (ii) June, July & August Disbursements
  - (iii) 2013 General Levy Update
  - (iv) 2014 Preliminary Forecast Budget
  - (v) Documents to be Destroyed
  - (vi) Investment Policy – discussion

13. Communications Reports
  - (i) Conservation Education
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](mailto: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 27, 2013, be approved as distributed.
- 4.(i) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the General Manager's report, dated September 9, 2013.
- 4.(ii) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the report, dated July 17, 2013 regarding the 2012 Conservation Ontario Statistical Survey and the relative ranking of St. Clair Region administration, programs and services.
- 5.(i) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the minutes of the June 24, 2013 Conservation Ontario 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 27, 2013 meeting.
- 7.(i) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the Conservation Lands Update, dated August 22, 2013 on Conservation Areas, McKeough and Lambton County Lands including capital improvements, trail development and maintenance and camping trends in 2013.
- 7.(ii) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the McKeough Lands Residential Property status report dated August 27, 2013.
- 8.(i) Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_  
That the Board of Directors acknowledges the report dated September 3, 2013, 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 3, 2013 on the ongoing Water and Erosion Control Infrastructure projects across the watershed and further acknowledges the projects which have been recommended to the Minister of Natural Resources by the WECI Project Review Committee including status updates on the previously funding projects and projects submitted for 2013-2014 funding.

- 9.(i) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013, summarizing Fish Habitat Review activities undertaken on behalf of the Department of Fisheries and Oceans in 2013.
- 9.(ii) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013, regarding Environmental Farm Plans for various McKeough Upstream properties, including wider buffers along the municipal drains, a new grassed waterway and berm system, a nutrient management plan for tenants and annual soil sampling for nutrients.
- 9.(iii) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013 regarding the Talfourd Creek Monitoring and Education project with Aamjiwnaang First Nation, including the community outreach program, interpretive signage and riparian plantings.
- 9.(iv) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013, regarding Lambton Shores – Healthy Lake Huron program, including cover crop grant program, wetland plantings and community events to encourage stewardship actions.
- 9.(v) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013, regarding Healthy Sydenham Headwaters including landowner mailings to introduce stewardship grants, active stewardship projects and upcoming community events.
- 9.(vi) Moved by: Seconded by:  
That the Board of Directors acknowledges the status report dated September 5, 2013 regarding the Watershed Report Card including recognition of the low grades, and the need for more stewardship actions to improve water quality and forest conditions in the region.
- 11.(i) Moved by: Seconded by:  
That the Board of Directors acknowledges and concurs with the Regulations Activity Summary Reports on "Development, Interference with Wetlands and Alterations to Shorelines and Watercourses" (Ontario Regulation 171/06), dated June 30, July 31, and August 31, 2013.
- 11.(ii) Moved by: Seconded by:  
That the Board of Directors acknowledges the St. Clair Region Conservation Authority's monthly Planning Activity Summary Reports for June, July and August, 2013.

- 11.(iii) Moved by:                                 Seconded by:  
That the Board of Directors approves the cost recovery proposal, dated August 26, 2013, for implementing the DART protocol, as approved by the Board of Directors April 18, 2013 and that notice be provided to the drainage superintendents and further, that the revision be made to the 2014 Fee Schedule to be presented at the November Board meeting.
- 11.(iv) Moved by:                                 Seconded by:  
That the Board of Directors acknowledges the report dated September 3, 2013 on the status of the sediment study in the Areas of Interest and other AOC related activities on the St. Clair River.
- 11.(v) Moved by:                                 Seconded by:  
That the Board of Directors acknowledges the Ministry of Natural Resources correspondence dated July 4, 2013 providing notice that the Minister has signed and approved the “amending” regulation that effected the amendments to our Regulation made under Section 28 of the Conservation Authorities Act, Ontario Regulation 171/06 “Development, Interference with Wetlands & Alterations to Shorelines & Watercourses” and further that the fully signed copy be filed accordingly.
- 12.(i) Moved by:                                 Seconded by:  
That the Board of Directors acknowledges the revenue and expenditure report to July 31, 2013, as it relates to the budget.
- 12.(ii) Moved by:                                 Seconded by:  
That the Board of Directors approves the June to August 2013 disbursements as presented in the amount of \$1,593,643.26.
- 12.(iii) Moved by:                                 Seconded by:  
That the Board of Directors acknowledges the status report on the 2013 general levy receipts to August 30, 2013.
- 12.(iv) Moved by:                                 Seconded by:  
That the Board of Directors recommends the 2014 preliminary forecast budget of \$5,429,061 with a municipal general levy of \$679,085 and further that this preliminary budget be revised subject to receipt of the Modified Current Value Assessment calculations from the Ministry of Natural Resources and circulated to member municipalities for information and input based on our budget review process.
- 12.(v) Moved by:                                 Seconded by:  
That the Board of Directors approves the list of documents to be destroyed as determined by the record retention schedule.
- 12.(vi) Moved by:                                 Seconded by:  
That the Board of Directors acknowledges the Investment Policy Statement, dated September 2013 for discussion.

- 13.(i) Moved by: Seconded by:  
That the Board of Directors acknowledges the Communications Report, dated August 30, 2013, including information regarding Conservation Education, Coming Events and Conservation Scholarships.
- 14.(i) Moved by: Seconded by:  
That the Board of Directors acknowledges the report dated August 23, 2013 regarding Source Protection Risk Management and further acknowledges a proposal by the region's Conservation Authorities to provide risk management services to municipalities that will require such services to be implemented subject to the approval of the Thames Sydenham and Region Source Protection Plan.
16. Moved by: Seconded by:  
That the meeting be adjourned.

# General Manager's Report 4.(i)



To: Board of Directors  
Date: September 9, 2013  
From: Brian McDougall, General Manager

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## Ministry of Natural Resources (MNR) Transformation

- ☞ In August, MNR announced some of the coming changes that would assist in the modernization and regionalization of MNR
- ☞ District boundaries will remain unchanged (25 Districts)
- ☞ Each district office being provided full funding for their staff compliment
- ☞ Some changes in staff at the District office to maintain programs – Aylmer office will have increased number of biologists but will lose forester
- ☞ 120 staff across the Province were provided with location change notices (identifying that their position will be moving to another location) – this included 4 staff in Chatham and 1 in Aylmer – all to take effect by April 1, 2014
- ☞ Chatham office will remain as a workplace – only staff operating from Chatham will be Conservation Officers – the office will open to the public only through appointment

## Keith McLean Conservation Lands

- ☞ With the signing of the Management Agreement between the Estate and the Authority, Authority staff have been taking a larger role in the care of the property – assisting with the clearing of the house and landscape maintenance
- ☞ Staff have been acquiring baseline data regarding water quality, fish species and numbers as well as macroinvertebrate samples that will be important in the future for comparison following best management practices projects and operating improvements

- Staff have also been developing a draft Management Plan for the property – reflecting Keith’s wishes for the property – including public access and habitat improvements – as well as utilizing an environmental farm plan for the land and improvement concepts for the house – all with short, moderate and long term goals
  
- The Management Plan will be reviewed by the Foundation’s McLean Subcommittee and the Foundation Board prior to a Public Open House planned for October 26, 2013 at Keith McLean Conservation Lands where the plan will be discussed with the public and comments will be received prior to a final draft of the Management Plan
  
- The Auction sale of Keith’s Estate was held last Saturday – the sale (as with most auctions) was relatively successful, everything sold at the market value of the day

**Ⓧ AUCTION SALE Ⓧ**

Of Farm Machinery, House hold articles, Antiques, for the Estate of the Late Keith McLean RR1 Morpeth, Auction to be held at 11198 Front Line Blenheim. Travel East of Blenheim on Front Line or North of Talbot Trail highway 3 or South of Rushton Corners on Kent Bridge Rd to Troy turn West on Front Line.

**Sat., September 7 - 9:30 A.M.**

**House hold & Antiques sold first:** JD 6430 cab tractor diesel 870 hrs. JD 1560 no till drill 16 run, JD 7000 corn planter 4 row, Hardi Navigator field sprayer 45 ft booms, Salford 20 ft land cult with folding wings pull type, Kewanee160 wheel disc with mid west harrows, Triple K semi mount 5 furrow plow, Two Bruins 400 bush gravity wagons with roll tarps on Horst running gears 12R225 truck tires like new, Turnco gravity wagons, small gravity wagons, 3pth bush hog stock shredder, NI ground drive manure spreader, 2pth hay mower, single chain corn elevator with Wisconsin motor, mulch packer, drag harrows, 5ft crow ft packer, ice boat horse drawn cutter.

**Household:** Wash stand, tredle sewing machine, drop leaf table, press back chairs, commode, drop leaf gate leg table, lowered crock , crock jugs, antique dishes, computer, cast toys, wheel barrow scale, drill press, TV, table saw, cream separator, 4ft safe, articles to numerous to mention.

Not responsible for accidents the day of the sale, All verbal announcements take precedence over written material.

**Terms:** Cash or Cheque with proper ID

**Executors: Ian Toll 519-359-4596,  
Karen Townsend 519-674-2332**

**Auctioneer: John Johnson  
519-785-0367  
www.johndjohnsonauction.com**



# Staff Report

4.(ii)



To: Board of Directors  
Date: July 17, 2013  
From: Brian McDougall, General Manager and Rick Battson, Director of Communications  
Subject: Provincial Statistics

Attached are two tables which show a selection of statistics derived from the 2012 Conservation Ontario Statistical Survey. There are 36 Conservation Authorities in the province.

## SCRCA Ranks:

### Administration

| Category                                    | Number                | Rank (1-36) | Comment  |
|---|-----------------------|-------------|--|
| Area  | 4,100 km <sup>2</sup> | 9           |  |
| Population                                  | 171,966               | 14          |  |
| Full Time Staff Compliment                  | 28                    | 15          |  |
| Number of members of the Board of Directors | 20                    | 6           |  |
| Total Revenue                               | \$4,998,880           | 12          |  |
| General Levy                                | \$593,691             | 32          |  |
| Per-capita General Levy                     | \$3.45                | 35          |  |
| Section 39 Provincial Grant                 | \$310,000             | 5           | this is our only on-going grant toward regular operation and it has not increased since 1996 - \$310,000 |
| Federal Grants                              | \$467,225             | 5           |  |
| Self-generated Revenue                      | \$1,912,281           | 10          |  |

### Programs and Services

| Category                               | Number   | Rank (1-36) | Comment   |
|--|----------|-------------|---|
| Conservation Areas                     | 16       | 10          |   |
| campsites                              | 522      | 6           |   |
| total length of trails                 | 43       | 20          |   |
| students to education programs         | 11,267   | 5           |   |
| municipal plan input transactions      | 84       | 29          |   |
| Section28 Regulations inquiries        | 238      | 14          |   |
| Section28 Permits issued               | 85       | 27          | this shows the effort of staff to negotiate with landowners to avoid the permit process |
| Level II DFO drain reviews completed   | 281      | 1           | this is nearly double the second place CA (156)   |
| benthic sampling sites                 | 14       | 20          |   |
| trees planted                          | 73,500   | 16          |   |
| grants provided to landowners for BMPs | \$63,346 | 11          |   |

In interpreting the rankings, it is important to note that there is considerable variation in the programs and services provided by Conservation Authorities across the province. This is due in part by size and capability but it also is a reflection of the priorities set out by the board of directors determined by the needs of the local municipalities.

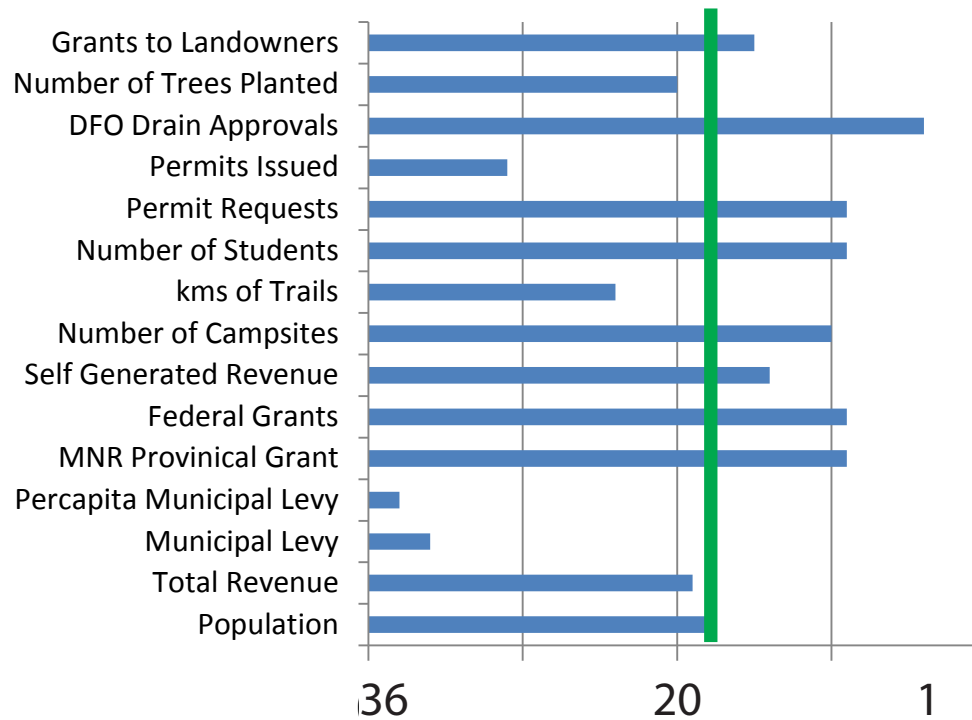
## Conservation Authorities - Administration - 2012 Statistics

| Conservation Authority                         | Area square km | Population        | Staff Full Time | Members Total | Total Revenue        | Municipal Levy      | Percapita General Levy | Provincial Section 39 | Federal            | Self Generated      |
|--|----------------|-------------------|-----------------|---------------|----------------------|---------------------|------------------------|-----------------------|--------------------|---------------------|
| Ausable Bayfield Conservation Authority        | 2,500          | 46,769            | 26              | 9             | \$3,987,995          | \$853,469           | \$18.25                | \$113,606             | \$316,834          | \$1,508,541         |
| Catawaqui Region Conservation Authority        | 3,393          | 217,125           | 26              | 17            | \$3,677,208          | \$1,888,912         | \$8.70                 | \$109,834             | \$0                | \$1,169,221         |
| Catfish Creek Conservation Authority           | 490            | 20,044            | 7               | 5             | \$1,221,186          | \$202,837           | \$10.12                | \$79,835              | \$32,484           | \$772,925           |
| Central Lake Ontario Conservation              | 638            | 366,000           | 43              | 14            | \$4,412,662          | \$2,594,880         | \$7.09                 | \$124,833             | \$12,724           | \$790,407           |
| Conservation Halton                            | 1,000          | 544,441           | 120             | 18            | \$20,961,871         | \$7,161,745         | \$13.15                | \$300,311             | \$186,996          | \$11,485,081        |
| Credit Valley Conservation                     | 1,000          | 882,867           | 133             | 12            | \$23,766,126         | \$17,420,406        | \$19.73                | \$185,195             | \$401,700          | \$3,944,844         |
| Crowe Valley Conservation                      | 2,006          | 12,031            | 8               | 10            | \$748,984            | \$361,088           | \$30.01                | \$116,741             | \$0                | \$0                 |
| Essex Region Conservation Authority            | 1,681          | 401,735           | 36              | 19            | \$6,993,549          | \$2,690,206         | \$6.70                 | \$202,263             | \$569,083          | \$1,416,838         |
| Ganaraska Region Conservation Authority        | 935            | 65,468            | 21              | 10            | \$2,496,421          | \$832,002           | \$12.71                | \$100,462             | \$0                | \$966,320           |
| Grand River Conservation Authority             | 6,800          | 952,972           | 133             | 26            | \$29,350,520         | \$9,754,000         | \$10.24                | \$871,073             | \$57,973           | \$13,867,309        |
| Grey Sauble Conservation Authority             | 3,146          | 73,146            | 17              | 11            | \$2,446,667          | \$1,126,843         | \$15.41                | \$71,779              | \$0                | \$1,212,637         |
| Hamilton Conservation Authority                | 479            | 476,309           | 92              | 11            | \$13,292,196         | \$4,947,953         | \$10.39                | \$174,327             | \$76,882           | \$7,063,500         |
| Kawartha Conservation                          | 2,563          | 87,684            | 21              | 9             | \$2,711,713          | \$1,244,750         | \$14.20                | \$47,730              | \$0                | \$558,510           |
| Kettle Creek Conservation Authority            | 520            | 54,598            | 11              | 10            | \$1,859,571          | \$668,884           | \$12.25                | \$119,652             | \$52,513           | \$980,212           |
| Lake Simcoe Region Conservation Authority      | 3,303          | 462,987           | 76              | 19            | \$12,442,531         | \$2,817,083         | \$6.08                 | \$132,438             | \$507,255          | \$1,639,467         |
| Lakehead Region Conservation Authority         | 2,538          | 124,366           | 9               | 11            | \$2,626,277          | \$712,159           | \$5.73                 | \$292,380             | \$4,763            | \$192,680           |
| Long Point Region Conservation Authority       | 2,893          | 110,418           | 18              | 10            | \$3,561,061          | \$1,100,047         | \$9.96                 | \$68,240              | \$4,445            | \$2,155,256         |
| Lower Thames Valley Conservation Authority     | 3,275          | 114,253           | 16              | 12            | \$1,950,298          | \$713,061           | \$6.24                 | \$157,807             | \$18,330           | \$316,666           |
| Lower Trent Conservation                       | 2,121          | 82,393            | 20              | 10            | \$2,191,474          | \$731,422           | \$8.88                 | \$133,329             | \$298,579          | \$156,883           |
| Maitland Valley Conservation Authority         | 3,266          | 58,155            | 13              | 11            | \$2,323,040          | \$1,072,349         | \$18.44                | \$203,387             | \$14,300           | \$998,510           |
| Mattagami Region Conservation Authority        | 11,060         | 43,500            | 6               | 5             | \$903,180            | \$410,430           | \$9.44                 | \$141,430             | \$0                | \$45,890            |
| Mississippi Valley Conservation                | 4,455          | 143,569           | 25              | 15            | \$2,863,758          | \$2,276,148         | \$15.85                | \$248,792             | \$21,237           | \$120,238           |
| Niagara Peninsula Conservation Authority       | 2,424          | 481,687           | 54              | 15            | \$10,904,930         | \$3,034,500         | \$6.30                 | \$174,496             | \$255,578          | \$2,421,864         |
| Nickel District Conservation Authority         | 7,576          | 163,539           | 4               | 9             | \$1,345,930          | \$350,866           | \$2.15                 | \$154,250             | \$0                | \$157,763           |
| North Bay-Mattawa Conservation Authority       | 2,984          | 66,512            | 21              | 12            | \$2,637,021          | \$928,118           | \$13.95                | \$274,164             | \$0                | \$693,675           |
| Nottawasaga Valley Conservation Authority      | 3,646          | 215,381           | 28              | 24            | \$4,415,085          | \$1,875,648         | \$8.71                 | \$188,490             | \$37,334           | \$1,786,718         |
| Otonabee Conservation                          | 1,951          | 133,331           | 13              | 11            | \$1,935,649          | \$933,533           | \$7.00                 | \$179,681             | \$10,726           | \$434,701           |
| Quinte Conservation                            | 6,000          | 128,041           | 28              | 21            | \$4,019,497          | \$1,136,278         | \$8.87                 | \$324,459             | \$17,406           | \$1,767,790         |
| Raisin Region Conservation Authority           | 1,680          | 82,170            | 18              | 8             | \$2,270,534          | \$730,265           | \$8.89                 | \$164,721             | \$79,160           | \$720,541           |
| Rideau Valley Conservation Authority           | 4,243          | 839,513           | 56              | 22            | \$8,300,824          | \$4,589,000         | \$5.47                 | \$242,687             | \$31,130           | \$2,164,782         |
| Saugeen Conservation                           | 4,675          | 89,202            | 22              | 15            | \$4,170,532          | \$1,497,081         | \$16.78                | \$147,788             | \$10,698           | \$1,349,110         |
| Sault Ste Marie Region Conservation Authority  | 283            | 75,974            | 9               | 5             | \$864,765            | \$309,590           | \$4.07                 | \$131,940             | \$12,000           | \$52,177            |
| South Nation Conservation                      | 4,146          | 120,715           | 38              | 13            | \$6,179,507          | \$2,631,386         | \$21.80                | \$176,409             | \$538,090          | \$1,553,093         |
| <b>St. Clair Region Conservation Authority</b> | <b>4,100</b>   | <b>171,966</b>    | <b>28</b>       | <b>20</b>     | <b>\$4,998,880</b>   | <b>\$593,691</b>    | <b>\$3.45</b>          | <b>\$310,000</b>      | <b>\$467,225</b>   | <b>\$1,912,281</b>  |
| Toronto and Region Conservation Authority      | 3,467          | 4,394,109         | 431             | 28            |                      |                     |                        |                       |                    |                     |
| Upper Thames River Conservation Authority      | 3,432          | 541,715           | 68              | 15            | \$12,029,851         | \$3,640,275         | \$6.72                 | \$351,020             | \$245,321          | \$5,639,500         |
| <b>CA Program Occurances/Total</b>             | <b>110,669</b> | <b>12,844,685</b> | <b>1,695</b>    | <b>492</b>    | <b>\$210,861,293</b> | <b>\$83,830,905</b> | <b>\$383.72</b>        | <b>\$6,815,549</b>    | <b>\$4,280,766</b> | <b>\$72,015,930</b> |
| <b>CA Program Average</b>                      | <b>3,074</b>   | <b>356,797</b>    | <b>47</b>       | <b>14</b>     | <b>\$6,024,608</b>   | <b>\$2,395,169</b>  | <b>\$10.96</b>         | <b>\$194,730</b>      | <b>\$122,308</b>   | <b>\$2,057,598</b>  |
| <b>Ranking</b>                                 | <b>9</b>       | <b>14</b>         | <b>15</b>       | <b>6</b>      | <b>12</b>            | <b>32</b>           | <b>35</b>              | <b>5</b>              | <b>5</b>           | <b>10</b>           |

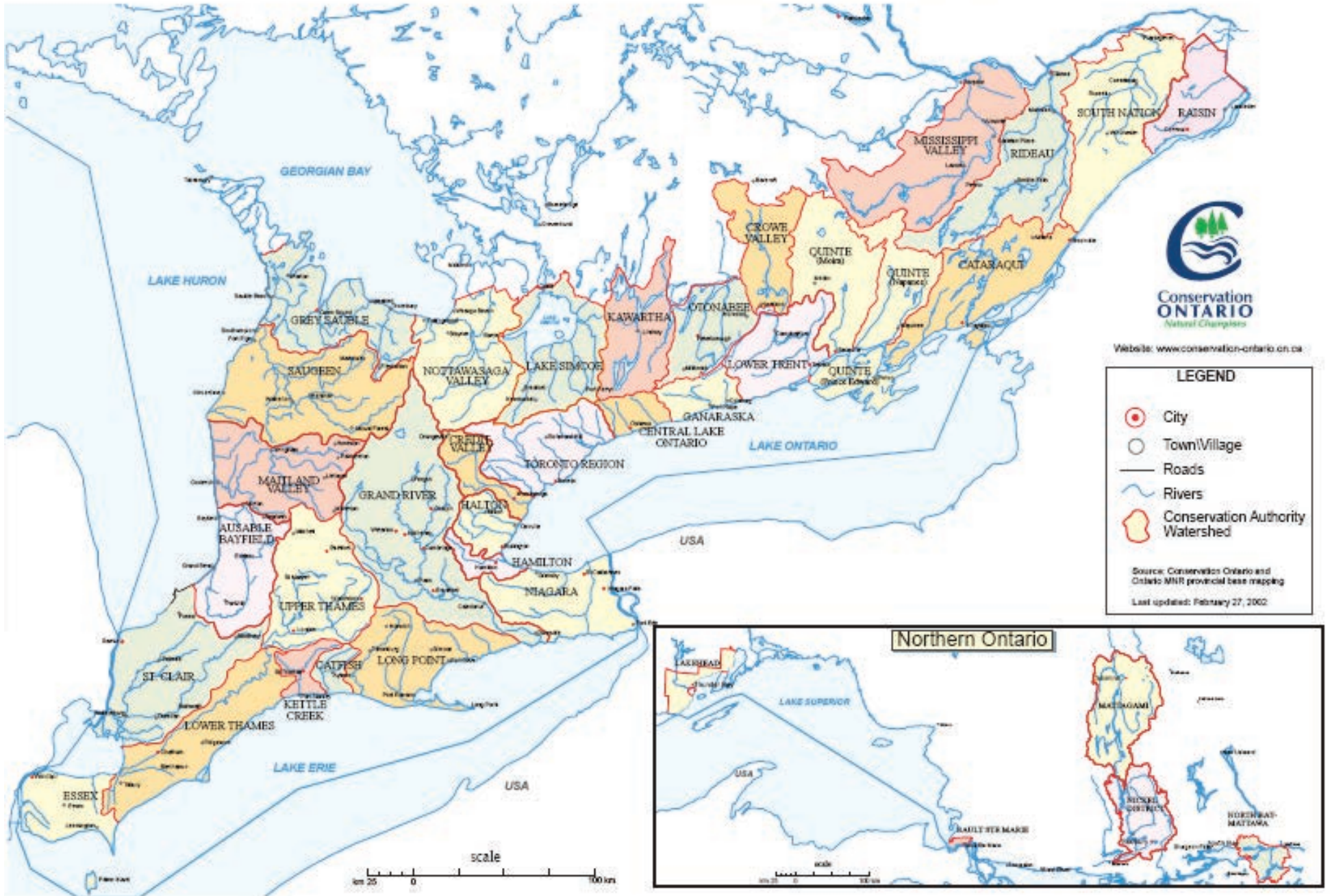
Conservation Authorities - Selected Services and Programs - 2012 Statistics

| Conservation Authority                         | Conservation Areas | Campsites    | Trails km    | Education Children | Plan Review   | Reg. Permit Requests | Reg. Permits Issued | DFO Level II | Benthos Stations | Trees Planted    | Landowner grants for BMPs |
|--|--------------------|--------------|--------------|--------------------|---------------|----------------------|---------------------|--------------|------------------|------------------|---------------------------|
| Ausable Bayfield Conservation Authority        | 7                  | 0            | 50           | 7,689              | 89            | 112                  | 112                 | 82           | 30               | 53,609           | \$72,250                  |
| Cataraqi Region Conservation Authority         | 6                  | 0            | 165          | 6,364              | 284           | 334                  | 256                 | 69           | 12               | 208,900          | \$0                       |
| Catfish Creek Conservation Authority           | 5                  | 264          | 10           | 5,000              | 50            | 16                   | 15                  | 20           | 0                | 30,000           | \$64,500                  |
| Central Lake Ontario Conservation              | 8                  | 0            | 76           | 8,000              | 263           | 260                  | 260                 |              | 22               | 11,154           | \$40,628                  |
| Conservation Halton                            | 10                 | 37           | 104          | 68,787             | 1,044         | 321                  | 290                 |              | 66               | 78,174           | \$131,040                 |
| Credit Valley Conservation                     | 10                 | 0            | 80           | 6,386              | 208           | 387                  | 371                 | 30           | 51               | 113,272          | \$67,272                  |
| Crowe Valley Conservation                      | 4                  | 0            | 10           | 0                  | 89            | 184                  | 184                 |              | 9                | 0                | \$0                       |
| Essex Region Conservation Authority            | 19                 | 110          | 79           | 7,358              | 481           | 609                  | 556                 |              | 0                | 147,000          | \$0                       |
| Ganaraska Region Conservation Authority        | 11                 | 0            | 0            | 7,000              | 105           | 83                   | 76                  |              | 28               | 13,220           | \$16,490                  |
| Grand River Conservation Authority             | 12                 | 2,600        | 200          | 44,000             | 470           | 641                  | 635                 |              | 14               | 303,705          | \$197,541                 |
| Grey Sauble Conservation Authority             | 79                 | 0            | 77           | 784                | 4             | 345                  | 334                 | 108          | 19               | 220,558          | \$0                       |
| Hamilton Conservation Authority                | 21                 | 297          | 188          | 8,000              | 214           | 87                   | 80                  | 26           | 51               | 3,083            | \$1,006,620               |
| Kawartha Conservation                          | 6                  | 1            | 24           | 36                 | 138           | 199                  | 189                 |              | 26               | 16,378           | \$19,881                  |
| Kettle Creek Conservation Authority            | 7                  | 420          | 34           | 0                  | 100           | 30                   | 30                  | 9            | 27               | 103,900          | \$1,592                   |
| Lake Simcoe Region Conservation Authority      | 30                 |              | 71           | 6,900              | 448           | 821                  | 526                 |              | 60               | 33,004           | \$0                       |
| Lakehead Region Conservation Authority         | 8                  | 0            | 28           | 2,877              | 166           | 64                   | 64                  | 35           | 0                | 22,264           | \$0                       |
| Long Point Region Conservation Authority       | 38                 | 680          | 7            | 4,095              | 73            | 273                  | 273                 | 42           | 15               | 285,688          | \$78,741                  |
| Lower Thames Valley Conservation Authority     | 26                 | 128          | 25           | 2,000              | 403           | 166                  | 166                 | 156          | 0                | 54,015           | \$30,500                  |
| Lower Trent Conservation                       | 17                 | 0            | 20           |                    | 149           | 125                  | 125                 | 30           | 36               | 13,510           | \$42,772                  |
| Maitland Valley Conservation Authority         | 12                 | 220          | 56           | 7,000              | 53            | 92                   | 90                  | 117          | 0                | 22,282           | \$27,264                  |
| Mattagami Region Conservation Authority        | 5                  | 0            | 55           | 0                  | 70            | 13                   | 13                  |              | 0                | 0                | \$0                       |
| Mississippi Valley Conservation                | 4                  | 0            | 20           | 4,000              | 352           | 143                  | 141                 | 55           | 1                | 125,010          | \$0                       |
| Niagara Peninsula Conservation Authority       | 38                 | 355          | 14           | 4,250              | 253           | 155                  | 155                 | 69           | 85               | 44,000           | \$415,000                 |
| Nickel District Conservation Authority         | 1                  | 0            | 60           | 5,750              | 375           | 62                   | 59                  |              | 1                | 0                | \$0                       |
| North Bay-Mattawa Conservation Authority       | 14                 | 0            | 42           | 1,697              | 169           | 107                  | 99                  | 35           | 6                | 558              | \$0                       |
| Nottawasaga Valley Conservation Authority      | 12                 | 120          | 65           | 8,000              | 450           | 342                  | 262                 | 34           | 80               | 138,207          | \$46,073                  |
| Otonabee Conservation                          | 11                 | 55           | 23           | 660                | 329           | 198                  | 183                 | 22           | 28               | 8,000            | \$53,955                  |
| Quinte Conservation                            | 27                 | 80           | 67           | 2,000              | 306           | 326                  | 280                 |              | 49               | 11,000           | \$0                       |
| Raisin Region Conservation Authority           | 3                  | 185          | 27           | 550                | 79            | 68                   | 68                  | 94           | 0                | 91,460           | \$41,000                  |
| Rideau Valley Conservation Authority           | 9                  | 3            | 39           | 6,250              | 1,238         | 301                  | 264                 | 114          | 60               | 108,970          | \$31,989                  |
| Saugeen Conservation                           | 10                 | 446          | 44           | 10,552             | 279           | 166                  | 166                 | 55           | 0                | 168,400          | \$0                       |
| Sault Ste Marie Region Conservation Authority  | 4                  | 0            | 103          |                    | 143           | 115                  | 115                 |              | 0                | 120              | \$0                       |
| South Nation Conservation                      | 10                 | 1            | 19           | 3,500              | 597           | 139                  | 132                 |              | 11               | 100,000          | \$23,000                  |
| <b>St. Clair Region Conservation Authority</b> | <b>16</b>          | <b>522</b>   | <b>43</b>    | <b>11,267</b>      | <b>84</b>     | <b>238</b>           | <b>85</b>           | <b>281</b>   | <b>14</b>        | <b>73,550</b>    | <b>\$62,346</b>           |
| Toronto and Region Conservation Authority      | 8                  | 633          | 502          | 160,000            | 682           | 1,032                | 944                 |              | 165              | 276,296          | \$3,387,331               |
| Upper Thames River Conservation Authority      | 3                  | 1,285        | 64           | 20,012             | 522           | 141                  | 135                 | 101          | 112              | 55,400           | \$68,000                  |
| <b>CA Program Occurances/Total</b>             | <b>511</b>         | <b>8,442</b> | <b>2,491</b> | <b>430,764</b>     | <b>10,759</b> | <b>8,695</b>         | <b>7,733</b>        | <b>1,584</b> | <b>1,078</b>     | <b>2,934,687</b> | <b>5,925,785</b>          |
| <b>CA Program Average</b>                      | <b>14</b>          | <b>235</b>   | <b>69</b>    | <b>11,966</b>      | <b>299</b>    | <b>242</b>           | <b>215</b>          | <b>44</b>    | <b>12</b>        | <b>81,519</b>    | <b>164,605</b>            |
| <b>Ranking</b>                                 | <b>10</b>          | <b>6</b>     | <b>20</b>    | <b>5</b>           | <b>29</b>     | <b>14</b>            | <b>27</b>           | <b>1</b>     | <b>20</b>        | <b>16</b>        | <b>11</b>                 |

## SCRCA Administration and Program Rankings



# Conservation Authorities of Ontario



**Conservation Ontario Council  
Minutes from Meeting #2/13  
Monday, June 24, 2013  
Black Creek Pioneer Village**

**Members Present:**

**Dick Hibma, Grey Sauble, Chair**

**Mark Burnham, Mississippi Valley, Vice Chair**

**Lin Gibson, Conservation Sudbury, Vice Chair**

Tom Prout, Ausable Bayfield

Allan McPhail, Cataraqui Region

Steve Knechtel, Cataraqui Region

Sally Martyn, Catfish Creek

Kim Smale, Catfish Creek

Russ Powell, Central Lake Ontario

Tom Adams, Credit Valley

John Kinkead, Credit Valley

Tim Pidduck, Crowe Valley

Ray Renaud, Essex Region

Richard Wyma, Essex Region

Forrest Rowden, Ganaraska Region

Jane Mitchell, Grand River

Joe Farwell, Grand River

John Cottrill, Grey Sauble

Ken Phillips, Halton

Scott Peck, Hamilton

Rob Messervey, Kawartha

Elizabeth VanHooren, Kettle Creek

Geoffrey Dawe, Lake Simcoe Region

Gayle Wood, Lake Simcoe Region

Bill Bartley, Lakehead Region

Mervi Henttonen, Lakehead Region

Roger Geysens, Long Point Region

Cliff Evanitski, Long Point Region

Don Pearson, Lower Thames Valley

Craig Kerr, Lower Trent Region

Glenda Rodgers, Lower Trent Region

Art Versteeg, Maitland Valley

Phil Beard, Maitland Valley

John Karau, Mississippi Valley

Paul Lehman, Mississippi Valley

Bruce Timms, Niagara Peninsula

Tony D'Amario, Niagara Peninsula

Wayne Wilson, Nottawasaga Valley

Allan Seabrooke, Otonabee

Roger Houde, Raisin Region

Dennis O'Grady, South Nation

Steve Arnold, St. Clair Region

Brian McDougall, St. Clair Region

Brian Denney, Toronto and Region

Jane McKelvie, Upper Thames River

Ian Wilcox, Upper Thames River

**Members Absent:**

Mattagami

North Bay-Mattawa

Quinte

Rideau Valley

Saugeen Valley

Sault Ste Marie

**Guests:**

Mike Walters, Lake Simcoe Region

Terry Davidson, Rideau Valley

Dave Pickles, Ministry of Aboriginal Affairs

Jay Cassel, Ministry of Aboriginal Affairs

**Staff:**

Kim Gavine, General Manager

Jayne Crittenden

Jane Dunning

Samantha Dupre

Bonnie Fox

Erin Harkins

Candace Jones

Jane Lewington

Matthew Millar

Jo-Anne Rzadki

Chris Wilkinson

**1. Welcome from the Chair**

Chair Dick Hibma called the meeting to order.

Long Point Region and Grand River Conservation Authorities have indicated that they would like to host the next Biennial Tour. In order to avoid conflict with the municipal elections that will take place in the fall of 2014, these CAs have offered to host the tour in September 2015.

Dell Hallett (Rideau Valley) will be retiring on July 31, 2013. Dell has been the General Manager of Rideau Valley CA since 1984 and prior to that was General Manager of Mississippi Valley CA for 5 years.

Mike Walters (Lake Simcoe Region CA) has accepted a secondment with Conservation Ontario to assume the role of Source Water Protection Manager/Integrated Watershed Management Director. Mike will be working with CO 2 days per week from July to December.

Tony D’Amario (Niagara Peninsula) introduced their Chairperson, Bruce Timms.

**2. Adoption of the Agenda**

Item to be added to Committee of the Whole – Items for Decision:

7-13) Great Lakes Water Quality Agreement Annex Binational Subcommittee Appointments

**#15/13      Moved by: Mark Burnham                      Seconded by: Bill Bartley**

***THAT the agenda be adopted as amended.***

**CARRIED**

**3. Declaration of Conflict of Interest**

There was none.

**4. Approval of the Minutes of the Previous Meeting**

The following typographical errors were noted:

Page 1 (Members Present) – Paul Sajatovic, Conservation Sudbury was not present at the meeting

Page 2 (paragraph 4) - Rae Horst will be retiring in May of **2013**

Page 11 (paragraph 1) - Charley highlighted ***the purpose of*** the April 9 meeting

**#16/13      Moved by: Rob Messervey                      Seconded by: Sally Martyn**

***THAT the Minutes for the meeting #01/13, April 3, 2013 be approved as amended.***

**CARRIED**

5. **Business Arising from the Minutes**

There was none.

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

#17/13 Moved by: Mark Burnham Seconded by: Jane McKelvie

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

CARRIED

7. **Committee of the Whole - Items for Decision**

1) **Update on 2013 Workplan; Preliminary 2014 Workplan**

Kim Gavine (CO) highlighted the report provided in the agenda.

Geoffrey Dawe (LSRCA) requested that the Lake Simcoe Protection plan to be added to the review.

C.W. #08/13 Moved by: Forrest Rowden Seconded by: Mark Burnham

*THAT Council receive the 2013 workplan updates and endorse the 2014 preliminary workplan as a basis for developing the 2014 budget, subject to further input by the members and staff and final approval at the September 30, 2013 meeting of Council.*

CARRIED

2) **CO Whitepaper – Status Report and Next Steps**

Discussion continued from the Workplan decision item regarding the next steps for CAs to communicate with their municipalities regarding the Whitepaper.

The Chair reminded members that the status of the Whitepaper can be found on Conservation Ontario's website. He also reported that he would be making a presentation later today at the Town of Tillsonburg Council meeting.

The intention of this resolution is so that municipalities are aware of the Whitepaper, and to let them know that we will be coming back for a fulsome consultation. If there are concerns at the municipal level, Conservation Ontario should be informed as it will help us shape the proposal going forward.

Kim suggested that CAs send the Whitepaper to their municipalities to remind them that it is out there, ie it is not off the table.



C.W. #09/13 Moved by: Wayne Wilson

Seconded by: Ray Renaud

**THAT the Conservation Authorities present the Whitepaper to their local municipalities and provide feedback to Conservation Ontario.**

CARRIED

**3) Update on Amended Federal Fisheries Act and Establishment of Conservation Ontario-DFO Partnership Agreements Working Group**

Bonnie Fox (CO) provided an update as follow up from the June 20<sup>th</sup> Conservation Ontario-DFO Partnership Working Group meeting and her slides are attached to the minutes. A period of questions and answers followed.

Further to the Qs and As, the following bullet points summarize the key messages from the report to Council:

- Letter from DFO hopes it serves to extend the partnership agreements in the interim of achieving revised agreements; any concerns or additional requirements with regard to expired agreements and managing those issues with the CA Boards should be directed to Tom Hoggarth;
- Since the legislative amendments are not scheduled to take effect until late Fall 2013, it is considered advisable to remain on the landscape under the existing legislation and continue the processes that are already in place to minimize confusion [NOTE: not to remain until late Fall but until we've had the opportunity to consider (i.e. at Sept Council meeting) whether a revised agreement will result in 'mutual benefit']
- To avoid this situation continuing indefinitely, it is being requested that DFO provide a written response to the CO Partnership Report by September
- so that we can make a decision as to whether or not to accept a revised agreement

Further to the Qs and As, the following bullet points summarize some key messages and/or points for clarification to be obtained from the summer discussions planned with DFO:

- Our municipalities do a lot of work in and around water that potentially affects fisheries and they come to CAs for guidance on how to minimize impacts; we value this role.
- In the provision of advice on interpreting DFO web material for proponents (e.g. municipal, etc), under the new Program, what is the liability on the CA if something goes wrong in relation to that advice? Can we expect DFO staff to accept/support our advice? What does DFO bring to the table in this scenario?

C.W. #11/13 Moved by: Mark Burnham

Seconded by: Art Versteeg

***THAT the comments submitted to DFO Legislation and Regulatory Affairs on May 13<sup>th</sup> 2013 regarding proposed regulations "Application for Authorization under Paragraph 35(2)(b) of the Fisheries Act" be endorsed;***

***AND THAT the comments submitted to DFO on May 28<sup>th</sup> 2013 in response to the Policy Discussion Paper "Implementing the New Fisheries Protection Provisions under the Fisheries Act" and the Science Advisory Report (SAR) "Science Advice to Support Development of a Fisheries Protection Policy for Canada" be endorsed;***

**AND THAT the May 15<sup>th</sup> 2013 letter to DFO Deputy Mr. Matthew King, regarding Conservation Authority Engagement to Support Conservation of Fish Habitat be endorsed;**

***AND THAT Amie Boudreau Ivany (South Nation CA), Rob Baldwin (Lake Simcoe Region CA), Paul Sajatovic (Nickel District CA), Deb Martin-Downs (Toronto and Region CA), Jeff Brick (Upper Thames River CA), Bonnie Fox (CO) and Samantha Dupre (CO) be endorsed as the members of the Conservation Ontario-DFO Partnership Agreement Working Group;***

***AND THAT the report "A Review of the CA-DFO Partnership Agreements: Value of CA Participation (2011 & 2012) and Needs for Revised Agreements" be endorsed for submission to DFO requesting that DFO's proposed revision process for the CA-DFO Partnership Agreements address these identified values and expectations and how/whether they can continue to be realized under the new Fisheries Protection Program;***

***AND FINALLY THAT a response to these concerns be provided by September 2013.***

**CARRIED**

**4) Update on the Adaptive Management Plan for Addressing Extreme Water Levels "Building Collaboration Across the Great Lakes – St. Lawrence River System"**

Chair Hibma noted that he will be attending The International Joint Commission (IJC) technical hearing on its Proposal for Lake Ontario and the St. Lawrence River on July 15, 2013.

**C.W. #12/13 Moved by: Forrest Rowden      Seconded by: Rob Messervey**

***THAT the April 15<sup>th</sup> letter "Conservation Ontario Comments..." and the May 31, 2013 letter "Conservation Ontario's Support for the Adaptive Management Plan for Addressing Extreme Water Levels: Building Collaboration Across the Great Lakes – St. Lawrence River System" be endorsed.***

**CARRIED**

**5) Collaboration proposal from Ontario Onsite Wastewater Association (OOWA) and support for an incentive program for maintenance/repair of septic system: Next Steps & Establishment and Delivery of a Municipal Partnership for Septic System Reviews**

Terry Davidson's (Rideau Valley) presentation is attached to the minutes.

Rob Messervey (Kawartha) asked about the cost recovery structure. Terry reported that for the approvals program it is a full cost recovery through user fees. Regarding the inspection program it varies by municipality. Some municipalities budget a specific amount and as many inspections as possible are done within that amount. Other municipalities charge the homeowner a fee.

Lin Gibson (Conservation Sudbury) requested that Paul Sajatovic be added to the working group.

C.W. #13/13 Moved by: Wayne Wilson

Seconded by: Mark Burnham

*THAT the April 2, 2013 letter from the Ontario Onsite Wastewater Association be received;*

*AND THAT a Conservation Ontario (CO) Working Group consisting of, at least the following staff: J. Rzadki (CO), B. Taylor (North Bay-Mattawa CA), T. Davidson (Rideau Valley CA), R. Messervey (Kawartha Region CA) and Paul Sajatovic (Conservation Sudbury) be endorsed to pursue further dialogue with the Ontario Onsite Wastewater Association and report back to Council including identification of a range of options for a formalized collaboration supported by tools developed for CAs for advancement of green economy initiatives;*

*AND THAT, as proposed by the Federation of Canadian Municipalities, Conservation Ontario support the development of a financial support program to assist landowners in the timely repair/replacement of malfunctioning private on-site wastewater treatment systems;*

*AND THAT this support be communicated to the Provincial and Federal Governments, the Federation of Canadian Municipalities and the Ontario Onsite Wastewater Association.*

CARRIED

6) North American Network of Basin Organizations (NANBO) – Conservation Ontario Appointment

C.W. #14/13 Moved by: Tom Prout

Seconded by: Mark Burnham

*THAT Kim Gavine, General Manager, be appointed as Conservation Ontario's representative on the North American Network of Basin Organizations (NANBO).*

CARRIED

7) Advancing Conservation Authorities in a Changing Economy & RainScaping Initiative – Greening New Development in the Lake Simcoe Watershed

Mike Walters's (LSRCA) presentation is attached to the minutes of the meeting. The authority has been actively promoting this initiative with their municipal partners. Mike indicated that Enbridge has been a supporter of the initiative and charettes and is interested in partnerships with other CAs. Gayle Wood (LSRCA) added that support starts with the Board of Directors who take it back to their councils as well as an exceptional relationship staff to staff.

C.W. #15/13 Moved by: Lin Gibson

Seconded by: John Karau

*THAT CO Council endorse the actions supporting continued CA engagement in the Green Economy proposed by the Green Economy Steering Committee, including reports on progress at future CO Council meetings.*

CARRIED

**8) Draft Guidelines: 'Hydrogeological Assessment Submissions: Conservation Authority Guidelines to Support Development Applications'**

It was noted that the sub-title of the guideline document has been changed from *Conservation Authority Guidelines to Support Development Applications* to *Conservation Authority Guidelines for Development Applications*.

**C.W. #16/13 Moved by: Sally Martyn                      Seconded by: Lin Gibson**

***THAT the Guidelines 'Hydrogeological Assessment Submissions: Conservation Authority Guidelines for Development Applications' be endorsed for circulation to CA staff for consideration of its use relative to their administration of planning and regulation responsibilities.***

**CARRIED**

**9) EBR Posting #011-5722 "Test Holes and Dewatering Wells: Requirements and Best Management Practices Draft Manual"**

**C.W. #17/13 Moved by: Mark Burnham                      Seconded by: Ray Renaud**

***THAT the April 9th, 2013 comments submitted to the Ministry of the Environment in response to the "Test Holes and Dewatering Wells: Requirements and Best Management Practices Draft Manual" (EBR #011-5722) be endorsed.***

**CARRIED**

**10) Drainage Investment Group (DIG) – Conservation Ontario Representation**

**C.W. #18/13 Moved by: Rob Messervey                      Seconded by: Jane McKelvie**

***THAT Brian McDougall (St. Clair Region Conservation Authority) be endorsed as the CO representative on the Board of Directors of the Drainage Investment Group.***

**CARRIED**

**11) Board of Directors Meeting Minutes to be received**

**C.W. #19/13 Moved by: Sally Martyn                      Seconded by: Roger Geysens**

***THAT Minutes of the Meeting of the Directors held April 8, 2013 and May 16, 2013 be received.***

**CARRIED**

**12) Great Lakes Water Quality Agreement Annex Binational Subcommittee Appointments**

Bonnie Fox (CO) noted that there are 10 annexes and CO had identified that we would like representation on the Binational Subcommittee for Lakewide Management Plans, Nutrients,

Groundwater, Science as well as Climate Change annexes. While they did not propose that we have a seat at the Climate Change sub-committee, they did identify that CO and the Great Lakes and St. Lawrence Cities Initiative have a seat at the advisory outreach task team. They have asked that we forward names of our representatives to receive invitations to sit on the binational subcommittees.

**C.W. #20/13 Moved by: Don Pearson**

**Seconded by: Forrest Rowden**

***THAT staff be endorsed to represent Conservation Ontario (CO) on the bi-national sub-committees of the Great Lakes Water Quality Agreement – Executive Committee as follows:***

- ***B.Fox (CO): Annex 2 – Lakewide Management Plans;***
- ***J.Rzadki (CO): Annex 3 – Nutrients;***
- ***G.Soochan (Central Lake Ontario CA): Annex 8 – Groundwater; and,***
- ***M.Walters (CO/Lake Simcoe Region CA): Annex 10 - Science***

**CARRIED**

## **8. Program Updates**

### **1) Source Water Protection**

Bill Bartley (Lakehead Region) commented that there seems to be lack of clarity in distinction between Source Protection Areas (SPAs) and Conservation Authorities (CAs), as these are two different legal organizations. MOE funds the SPAs, and this distinction must be maintained. Clarification is required regarding MOE's intent to support work of SPA specifically. CO agreed to work with MOE to ensure this role distinction is clarified, and this clarification is maintained.

Steve Knechtel (Catarauqui) asked if there was any more information regarding the funding approved in the provincial budget to assist municipalities with source water protection. It is CO's understanding that it has been set aside for Ontario's rural municipalities, but CO has not received any more detail than that.

Ken Phillips (Halton) requested that CO let MOE know that there are concerns with length of time for approval of chair appointments. Current chairpersons have received no indication that they will be considered for reappointment. Kim agreed to communicate this with the appropriate persons at MOE.

### **2) Marketing and Communications**

There were no updates to the report provided with the agenda.

### **3) Watershed Stewardship**

Jo-Anne Rzadki (CO) highlighted the Growing Forward II item, noting that the application process has begun for funding for capacity building and implementation activities.

Jo-Anne also reported that she had been on the review committee for MNR Land Stewardship and Habitat Restoration Program and if your CA applied you should be hearing sometime in mid July. There were over \$1.6 million in projects applied for (80 applications) but \$300,000 to allocate.

## **9. Committee of the Whole – Items for Information**

### **1) General Manager's Report**

Kim Gavine (CO) highlighted the report provided with the agenda.

In addition, she noted staff attended a session where they were presented with proposed changes to the implementation of the Endangered Species Act which includes 19 regulatory changes, 17 of which will require proponents to register their activities through MNR's online registry. Jo-Anne Rzadki (CO) sent an email to a number of CA staff to put together an interim working group to go over the changes in detail and work out implementation.

Gayle Wood (LSRCA) asked if while Kim was meeting with MNR staff regarding the Whitepaper, if there was any discussion about their "transformation" plan. Kim acknowledged that we expect that there will be significant changes that will impact how we do business, but at this time we do not know the details.

### **2) Budget Status Report to May 31, 2013**

Revenue and expenditures are tracking well midyear and there are no concerns at this time.

### **3) Conservation Ontario (CO)'s Class Environmental Assessment (EA) Approval of 5 Year Review Amendments**

It was noted that the Class EA document has been approved and circulated.

### **4) 2013 A.D. Latornell Update**

Members were reminded that auction items are also appreciated for the annual Dream Auction that supports the Latornell Grant program. They were also reminded of the June 28 deadline for nominations for the Leadership Award.

**5) Water Resources Information Program Roadmap 2010-2015 – mid-term Status Update**

There were no updates to the report provided with the agenda.

**6) CA Boundary Project Update**

Gayle Wood (LSRCA) added that if there are requirements to seek some Orders in Council on boundary adjustments, it should be noted that some of the newer boundary expansions have been done through another process which is ministerial approval (including Nottawasaga Valley CA and Ausable Bayfield CA).

**7) Environmental Systems Research Institute (ESRI) Enterprise License Agreement (ELA) Renewal**

There were no updates to the report provided with the agenda.

**8) Provincial Groundwater Monitoring Network (PGMN) Update**

There were no updates to the report provided with the agenda.

**9) Stream Sediment Project Update**

There were no updates to the report provided with the agenda.

**10) 2012 CA Statistical Survey Results – Summary**

There were no updates to the report provided with the agenda.

**11) Ontario Partner Environmental Network (OPEN) Portal**

There were no updates to the report provided with the agenda.

**12) Project Tracking**

Regarding the Biodiversity Council, Kim reported that Steve Hounsell is the new chair, and that another State of Ontario's Biodiversity Report is in process and that a Biodiversity Summit is planned for 2015.

**13) Correspondence**

There were no comments on the correspondence provided.

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

**#18/13 Moved by: Doug Thompson Seconded by: Mark Burham**

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

**CARRIED**

**11. Council Business - Council Adoption of Recommendations**

**#19/13 Moved by: Ray Renaud Seconded by: Rob Messervey**

***THAT Conservation Ontario Council adopt Committee of the Whole (C.W.) Recommendations:  
C.W. #08/13 to C.W. #20/13.***

**CARRIED**

**12. New Business**

Rob Messervey (Kawartha) reported that on June 20 he had made a presentation to the Ontario Provincial Planners' Institute Oak Ridges Moraine Chapter (GTA) meeting on the Large-Scale Fill issue. He was joined on a panel by Kathleen Anderson, Assistant Director, Central Region MOE. There was significant interest in and discussion on the need for a life cycle management approach to the movement and deposition of fill and the potential role of zoning as another tool to assist in effective control of large-scale fill activities. The dialogue will help inform upcoming discussions of the CO Working Group in considering updates to or actions stemming from the CO Large-Scale Fill Discussion Paper.

**13. Presentation - Key Considerations: Land Claims, Treaty Rights and the Duty to Consult**

The presentation made by David Pickles and Jay Cassel, Ministry of Aboriginal Affairs is attached to the minutes of the meeting. There was an opportunity for Qs and As; members were encouraged to contact Dave if they required more information.

**14. Adjourn**

**#20/13 Moved by: Mark Burnham**

***THAT the meeting be adjourned.***

**CARRIED**



# Staff Report

6.(i)



To: Board of Directors  
Date: August 30, 2013  
From: Marlene Dorrestyn  
Subject: Business Arising from June 20, 2013 meeting

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- The possibility of the International Joint Commission proposing a gate between Stag Island and Corunna to regulate water levels was discussed. It was suggested that staff draft a letter to the International Joint Commission to express our concerns. **Correspondence provided in draft.** Staff will be participating in a panel and focus group discussion of the issue of water levels on the Upper Great Lakes at an event to be hosted by Lambton County Community Health Services in early November.
- Staff to make presentation on best management practises for drain maintenance at a future meeting – **scheduled for the November Board Meeting.** It was also requested that the information be given soon, so it can be included in zoning bylaws – this information is being provided to drainage superintendents and other municipal staff as municipal bylaws are being updated.

**Member  
Municipalities** September , 2013Township of  
Adelaide-MetcalfTownship of  
Brooke-AlvinstonMunicipality of  
Chatham-KentTownship of  
Dawn-EuphemiaTownship of  
EnniskillenMunicipality of  
Lambton ShoresMunicipality of  
Middlesex CentreVillage of  
NewburyVillage of  
Oil SpringsTown of  
PetroliaTown of  
Plympton-WyomingVillage of  
Point EdwardCity of  
SarniaMunicipality of  
Southwest MiddlesexTownship of  
St. ClairMunicipality of  
Strathroy-CaradocTownship of  
Warwick

International Joint Commission  
Canadian Section  
234 Laurier Avenue West  
22nd Floor  
Ottawa, ON K1P 6K6

Re: Recommendations of the International Upper Great Lakes Study

Dear Sirs,

The Authority has followed the above noted 5-year study very closely at each phase of the study's progress. St. Clair Region Conservation Authority manages the region's watersheds including tributaries draining into southern Lake Huron, the St. Clair River and Lake St. Clair. The study has provided valuable information to the Authority and its member municipalities that has improved our understanding of the variety of factors that may be influencing the levels of the upper Great Lakes. The Authority, and our member municipalities, have considerable interest in the recommendations of the study as the results may impact a significant range of both Authority and municipal projects and programs such as watershed flood levels, shore protection, near shore and tributary habitats, and shoreline recreation areas. The impacts could be significant and wide ranging.

Despite the in-depth research involved in this complex study and a study team with considerable expertise, the Authority strongly concurs with the recommendations that additional investigation and engineering of any structural options as well as appropriate cost-benefit analysis must be undertaken prior to any in-water action being implemented.

Our staff will continue to monitor this evolving study, as will each of our member municipalities, as we strive to ensure that a feasible and successful solution, if required, is reached to solve the issues facing Great Lakes water levels.

Yours truly

Steve Arnold  
Chair

**International Joint Commission's**  
**Advice to Governments on the Recommendations of the**  
**International Upper Great Lakes Study**

**A Report to the Governments of Canada and the United States**

**April 15, 2013**



## Foreword

This report contains the International Joint Commission’s advice to the Governments of Canada and United States on the recommendations put forth by the International Upper Great Lakes Study Board. The binational Study Board issued its final report in March 2012. Copies of the Study Board’s December 2009 and March 2012 reports to the Commission are available at [www.ijc.org](http://www.ijc.org) under the IUGLS Board tab. The Study Board benefitted from the input of more than 200 science and policy experts, an external Independent Peer Review process and a Public Interest Advisory Group.

The Commission and the Study Board consulted extensively with stakeholders and the public during the course of the five-year Study. In July 2012, the Commission held 13 public hearings regarding the final Study Board report at locations on lakes Superior, Michigan, Huron, St. Clair and Erie. Members of the public also were provided opportunities to comment on the report via a public hearing teleconference, regular mail, telephone, e-mail and a web-based comment form.

In preparing its advice to the Governments, the Commission thoroughly considered all the input received from these sources.

## Table of Contents

|   |    |
|---|----|
| Introduction.....   | 3  |
| Context .....   | 4  |
| Commission Response to the International Upper Great Lakes Study Recommendations..... | 6  |
| 1. Lake Superior Regulation Plan 2012 and an Updated Order of Approval.....           | 6  |
| 2. Multi-lake Regulation.....   | 8  |
| 3. Restoration of Lake Michigan-Huron Water Levels.....                               | 9  |
| 4. Adaptive Management and Great Lakes-St. Lawrence Water Levels Advisory Board.....  | 11 |
| Further Advice to the Governments.....  | 14 |

## Introduction

The International Upper Great Lakes Study (the Study) was a five-year, peer-reviewed, investigation launched by the International Joint Commission (the Commission) in 2007. Originally focused on updating the regulation plan for Lake Superior outflows at Sault Ste. Marie, the Study was expanded to include an examination of whether physical changes in the St. Clair River were affecting the level of Lake Michigan-Huron. This second objective was added in response to concerns expressed by many interests throughout the basin about low water levels.

The Study was led by a ten-member binational Study Board of science and policy experts. More than 200 scientists, engineers, planners and other experts from Canada and the U.S. were engaged in technical projects designed to answer key questions, ranging from the stability of the St. Clair River bed to the effects of climate change on water supplies and lake water levels. The Study also benefited from a binational Public Interest Advisory Group (PIAG) of 20 members appointed by the Commission from diverse interests in the upper Great Lakes. The PIAG helped to engage and inform the public, holding more than 60 public meetings that provided stakeholders with opportunities to learn about the Study and provide their views.

In the St. Clair River portion of the Study, the Study Board concluded with the publication in December 2009 of the report entitled, *Impacts of Upper Great Lakes Water Levels: St. Clair River*. The Study Board concluded that between 1963 -2007 the decline in the water levels of Lake Michigan-Huron relative to Lake Erie of 23 centimetres (cm) or 9 inches (in) was due to a combination of factors including:

- changing climate patterns (the primary driver at 9-17 cm or 3.5-6.7 inches);
- an increase in the conveyance capacity (*i.e.*, the measure of water flow capacity of a channel) of the St. Clair River (7-14 cm or 2.8-5.5 in); and,
- ongoing glacial isostatic adjustment (*i.e.*, adjustment of the earth's crust resulting from the removal of the weight of the glaciers) was 4-5 cm or 1.6-2.0 in.

The Study Board provided a range in numbers that reflects the uncertainty associated with the estimates.

The Commission consulted the public in 2010 on the findings of this report. They received extensive public comment on the Study Board's key finding that remediation of the increased conveyance capacity of the St. Clair River not be undertaken at that time, but that mitigative measures be investigated in the second phase of the Study in the context of the long-term effects of climate change on water levels.

Subsequently, the Commission asked the Study Board to investigate, at an exploratory level, the feasibility and potential impacts of various options for restoring Lake Michigan-Huron water levels. The findings of this exploratory analysis were included in the Study Board's final report, *Lake Superior Regulation: Addressing Uncertainty in Upper Great Lakes Water Levels*, published in March 2012. Key recommendations in this report include: an improved, more robust, regulation plan for outflows from Lake Superior that works better specifically under exceptionally dry conditions; and, adoption of an adaptive management strategy to address the impacts of an uncertain future climate, including possible extreme water levels.

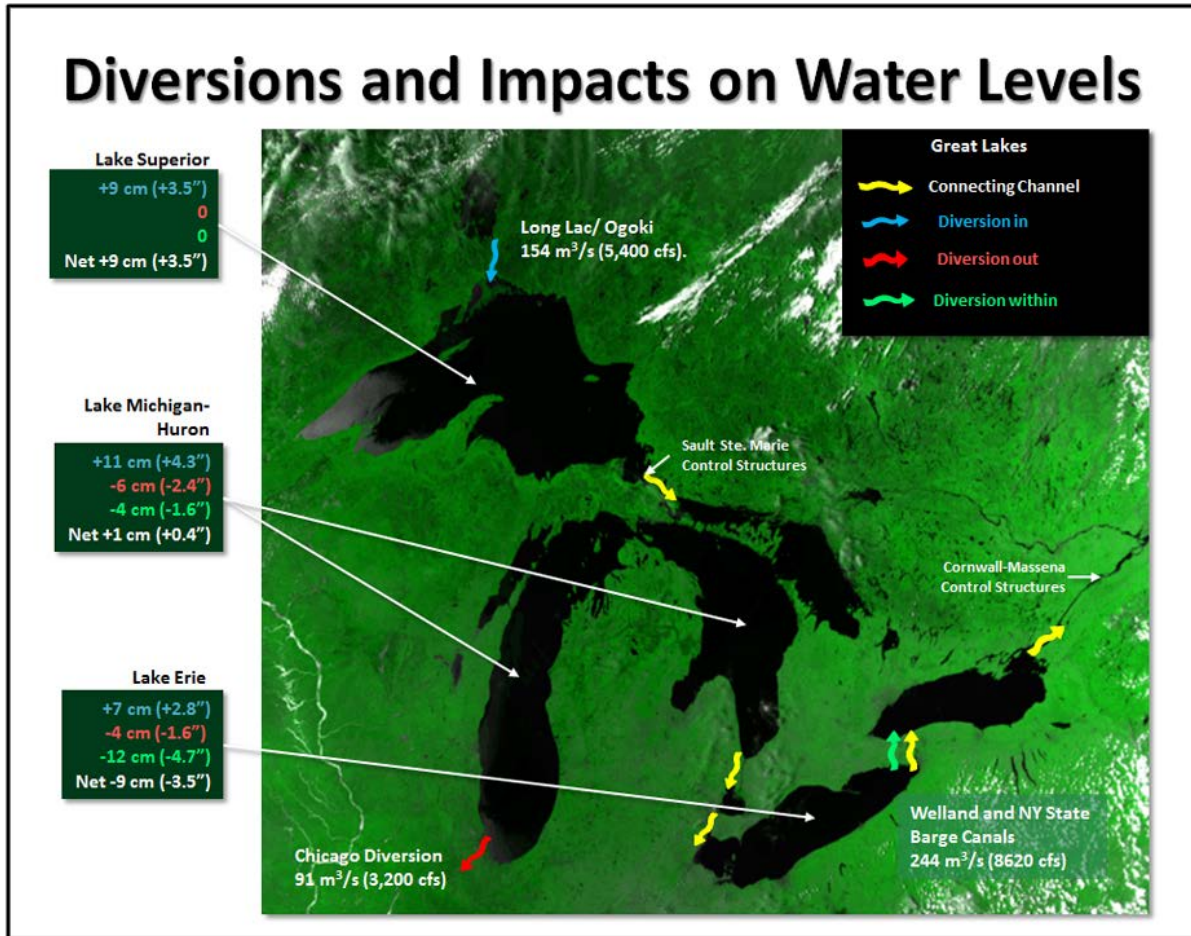
In July 2012, the Commission held 13 Public Hearings regarding the Study Board's final report at locations on lakes Superior, Michigan, Huron, St. Clair and Erie, including three sites on Georgian Bay. Members of the public also were provided opportunities to comment on the report via a public hearing teleconference, regular mail, telephone, e-mail and a web-based comment form. While there was general support for the new regulation plan, a key message that emerged from the nearly 3,500 comments received was strong public concern about the effects of extreme low water levels on lakeshore property owners, coastal habitat, recreational boaters and navigation interests.

Depending in part on their geographic location, some interests urged immediate action to restore water levels on Lake Michigan-Huron, while others expressed concerns about the effects of high water levels in the future or unintended impacts downstream, if remedial measures to raise Lake Michigan-Huron levels were undertaken. The Commission considered all of these responses in the context of the Study Board's analysis and recommendations before developing its advice to the Governments.

## **Context**

With approximately 20 percent of the world's fresh surface water, the importance of the Great Lakes system to Canada and the United States cannot be overstated. It is a unique ecosystem, and its health is vitally linked to the natural variation of the water level regime. The quality of life, as well as the livelihoods, of the nearly 40 million people who live in the basin is affected by water levels that are constantly fluctuating and that will continue to do so.

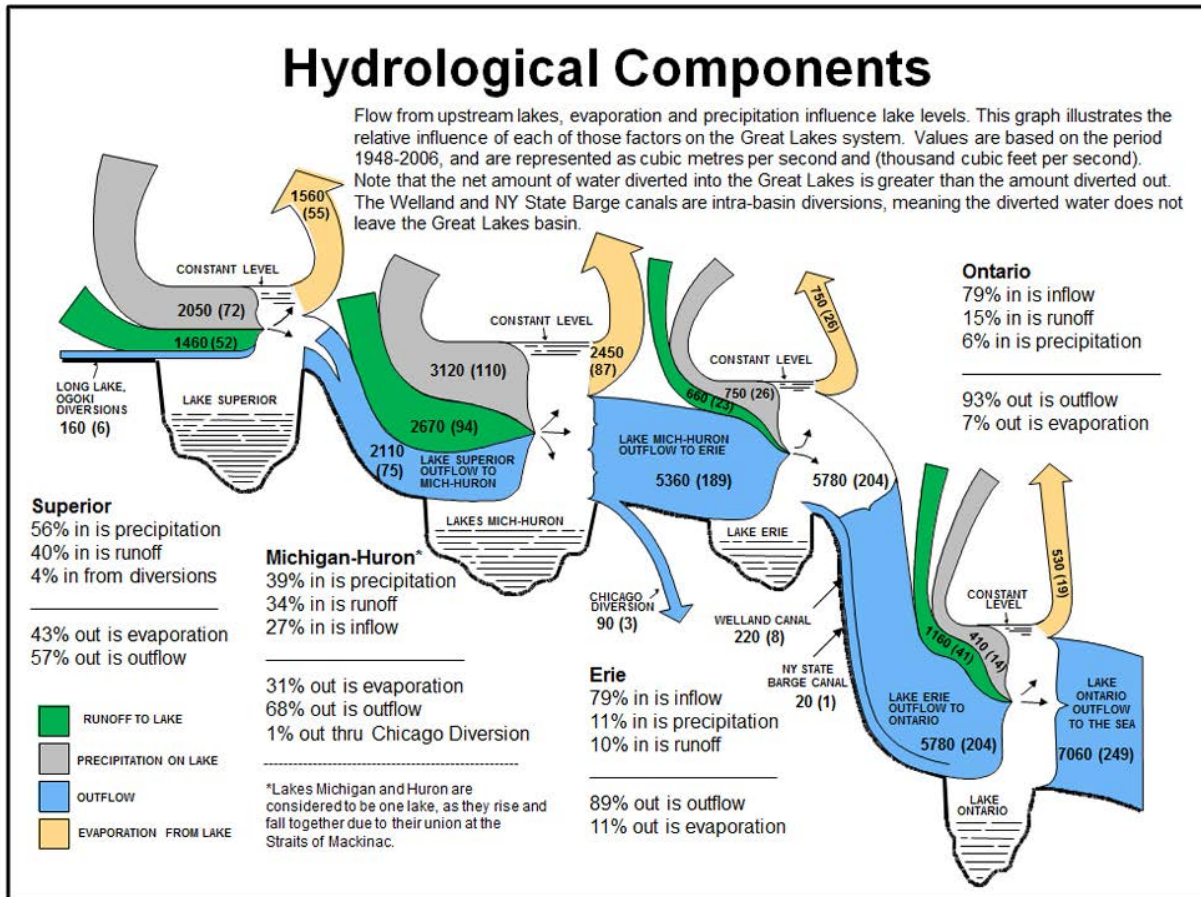
In this large system, there are only two points where the flow is regulated with control structures: one at the outlet of Lake Superior on the St. Marys River and the other just downstream of Lake Ontario on the St. Lawrence River (Figure 1). There are three diversions in the system that either divert water in or out of the system: the Long-lac and Ogoki diversions divert water into Lake Superior and the Chicago diversion that draws water out of Lake Michigan. The Welland and New York Barge canals are the only intra-lake diversions. These diversions result in a small net increase change in the levels in the overall system.



**Figure 1: Existing Control Structures and Diversions and the Effect of Diversions on Lake Levels.**

The huge water surface area of the upper Great Lakes compared to their relatively small outflow channels makes them largely self-regulating. These physical basin characteristics, combined with the historical climatology result in an annual range of water levels from the winter lows to summer highs of roughly 30-50 cm or 12-20 inches. On longer time scales, year-to-year and decadal climate variations have resulted in monthly water levels that range from about 60-90 cm (2-3 feet) above or below the long-term averages for the month, depending on the particular lake.

Understanding the water balance still continues to be a scientific challenge and requires ongoing analyses. The Study greatly contributed to our understanding of the Great Lakes water balance through additional monitoring of inter-connecting flows and installation of evaporation gauges on the lakes. Significant advances in modelling provided better estimates of the hydrological components and further helped to reduce the uncertainty. Figure 2 illustrates the Study's assessment of the Great Lakes water balance based on this new information. However even with these advances, there still is the uncertainty associated with a highly variable and changing climate and ongoing glacial isostatic adjustment on future water levels.



**Figure 2: Water Balance for the Great Lakes System.**

The Study Board found that water supplies have been declining in general in the upper Great Lakes basin over the last 40 years, a finding consistent with the current understanding of the effects of climate change. While lower water levels in the future are more likely, the possibility of high water periods still remains.

It is within this context, that the Commission provides its advice to Governments on this important and complex system.

## Commission Response to the International Upper Great Lakes Study Recommendations

### 1. Lake Superior Regulation Plan 2012 and an Updated Order of Approval

#### *IUGLS Board Recommendations:*

*The IJC should approve **Lake Superior Regulation Plan 2012** as the new plan for regulating Lake Superior outflow and advise governments that the 1977A plan will be replaced with the new plan.*



*The IJC should prepare and issue new integrated Orders of Approval that consolidate all of the applicable conditions and requirements of the original and Supplementary Orders, as well as the additional considerations required to implement the recommended new plan, **Lake Superior Regulation Plan 2012**. The integrated Orders of Approval should include provisions to:*

- *add a requirement to limit the rate of gate opening changes so as to protect fish and fish habitat in the St. Marys River rapids;*
- *formalize within new Orders the current guidelines governing peaking and ponding operations conducted by the hydropower entities;*
- *update the period defining “supplies of the past as adjusted” to 1900-2008 (from 1990-1976), so as to expand the range of NBS within which the regulation plan must satisfy the condition;*
- *amend the Sault Ste. Marie flooding specification so as to take into account the effects of glacial isostatic adjustment;*
- *include a requirement that regulated maximum winter flows take into consideration ice management;*
- *modify **criterion c** of the 1979 Supplementary Order to require that any regulation plan must not result in a greater frequency of Lake Superior levels being below 183.20 m (the Chart Datum/Low Water Datum level) than would occur with the preproject St. Marys River condition;*
- *reaffirm the requirement that the flows be regulated to balance levels of Lake Superior and Lake Michigan-Huron to the extent consistent with meeting the other criteria of the Orders;*
- *continue to require IJC approval for deviations from the plan but maintain the existing emergency discretion of the International Lake Superior Board of Control; and,*
- *retain the existing required flow allocations for the various uses at Sault Ste. Marie as stipulated in the 1978 and 1985 Supplementary Orders.*

The main focus of the Study was the development of an improved Lake Superior outflow regulation plan that would deliver robust performance under a wide range of possible hydrological conditions that could arise from climate variability and change. The Study Board found that the existing plan, **1977A**, performed well except under significantly drier future conditions that are possible with climate change. Of the many alternative plans developed and evaluated, the Study Board found that one, now labeled **Lake Superior Regulation Plan 2012**, performed slightly better or as well as the others in all of the hydrological scenarios considered.

**Lake Superior Regulation Plan 2012** is expected to provide modest benefits compared to the existing plan for commercial navigation, hydroelectric generation and coastal zone interests under both wetter and drier climate conditions. The Study Board concluded that this plan also would benefit the St. Marys River ecosystem by providing a more natural seasonal pattern of river flows and by preventing rare but serious detrimental effects on the spawning habitat of lake sturgeon, an endangered or threatened species. The Commission notes that while this new plan is an incremental improvement compared to **1977A**, it will not result in major changes in lake levels under most hydrological conditions.

The Study Board reviewed the existing Orders of Approval governing the regulation of Lake Superior outflows and concluded that some specific changes were required to implement the recommended new plan. It recommended that a new Order also should recognize a number of improved policies and regulation practices that have been developed by the Commission since the last revision of its Order in 1979.

Through its Public Hearings and comment process, the Commission found that there was significant support for implementing **Lake Superior Regulation Plan 2012**. Support was expressed by major environmental groups, some shoreline property owners and a commercial navigation association. There was some opposition to implementing the new regulation plan. One rationale put forward by several commenters was that no new Lake Superior regulation plan should be considered until compensating structures in the St. Clair River have been implemented. The Commission does not support this view, as it sees no reason to delay the benefits of implementing the new regulation plan. Another reason put forward for not implementing the new plan was the misunderstanding that the plan would be responsible for dramatically lowering Lake Michigan-Huron during extreme drought conditions. Such low levels would not be caused by the regulation plan, as the Study Board determined that no Lake Superior regulation plan could prevent the levels of Lake Michigan-Huron from falling to such low levels under the most extreme drought conditions considered in the analysis.

Finally, the Commission consulted its International Lake Superior Board of Control on the recommendations of the Study and found the Board of Control to be in support of the proposed new regulation plan and each of the provisions for inclusion in the new Order.

Therefore, based on these considerations:

***The Commission agrees with the Study Board recommendation to adopt Lake Superior Regulation Plan 2012 to replace Plan 1977A. The Commission also accepts the nine provisions recommended by the Study Board to be included in a new Order. The Commission will proceed immediately to prepare a Supplementary Order that incorporates these changes recommended by the Study Board.***

The Supplementary Order will amend the Commission's existing Orders for Lake Superior regulation by adding, replacing or deleting provisions. The Commission also will prepare a consolidated version of the Orders that will contain all the relevant provisions from previous Orders, as well as the new Supplementary Order, in lieu of the proposed integrated Order recommended by the Study Board. The Commission has alerted its International Lake Superior Board of Control to make necessary preparations to implement the new plan this year. Once the new Supplementary Order is issued, the Commission will have **Lake Superior Regulation Plan 2012** put into operation by the Board of Control.

## **2. Multi-lake Regulation**

***IUGLS Board Recommendation:*** Further study of multi-lake regulation in the Great Lakes-St. Lawrence River system should not be pursued at this time.

Multi-lake regulation in the context of the Study explored implementing new large-scale structures (*i.e.*, dams and their associated channel enlargements) to address extreme water levels and flows throughout the Great Lakes-St. Lawrence River system. The Study Board looked at the ability to control levels with the existing structures at the outlets of Lake Superior and Lake Ontario as well as with additional new structures at the outlets of Lake Huron and Lake Erie. This analysis was conducted at an exploratory level of detail only. The Study Board identified many issues that affected the viability of multi-lake regulation, such as climate uncertainty, high cost, institutional requirements and environmental concerns. Based on these factors, the Study Board concluded that multi-lake regulation could not be justified.

Multi-lake regulation has been examined several times in previous Commission studies, including the 1973 Regulation of Great Lakes Water Levels and the 1993 Levels Reference Study. These previous analyses all came to the same conclusion: that multi-lake regulation in the Great Lakes-St. Lawrence River system is not economically viable and would have significant environmental impacts. During the Commission's public consultations, there was modest stakeholder interest in the concept of multi-lake regulation. However, the majority of responses received by the Commission from the public and stakeholders were opposed to this scale of regulation.

Therefore, based on these considerations:

***The Commission supports the Study Board recommendation that multi-lake regulation not be pursued at this time.***

### **3. Restoration of Lake Michigan–Huron Water Levels**

***IUGLS Board Report: The IJC did not request the Study Board to make any recommendation as to implementing water level restoration options for Lake Michigan-Huron. Rather, it directed that an exploratory analysis be conducted of such options and their impacts. Several engineering options were reviewed, based on previous studies. In addition, the analysis considered several more current engineering solutions. The Study identified the estimated costs and the key positive and adverse impacts associated with each option.***

During the last 150 years, a range of human actions in the St. Clair River have resulted in increases in the conveyance capacity of the river and a relative lowering of Lake Michigan-Huron water levels. These actions have included sand and gravel mining, channelization for navigation and possibly maintenance dredging. However, even after the last channelization project was completed by 1962, water levels in Lake Michigan-Huron set record high levels in 1973 and again in 1986. Levels were nearly as high as recently as 1998. These high water levels have significant adverse economic effects.

However, Lake Michigan-Huron water levels now have been well below average long-term levels for more than a decade. While an extended period of low levels is not unprecedented, various economic sectors and the public are concerned about the serious adverse effects of these low water levels. This concern is shared by the Commission and is being heightened by the low water levels recorded throughout the Great Lakes-St. Lawrence system in 2012 and by the fact

that Lake Michigan-Huron water levels set historical lows this current winter. The Commission is also fully aware that Lake Superior regulation can provide only minimal relief for Lake Michigan-Huron at these extreme water levels.

In considering restoration of water levels on Lake Michigan-Huron, the Study Board focused on six potential engineering solutions: sills; dikes; weirs; inflatable flap gates; inflatable weirs; and hydrokinetic turbines. These structures would be used to reduce the conveyance capacity of the St. Clair River and, in turn, raise the level of Lake Michigan-Huron by some predetermined amount. Some of the solutions would lead to a permanent specified relative increase in water levels, while others involve small-scale regulatory-type structures that would have a varying effect on levels and that could be operated so as not to exacerbate high levels. It is important to note that the full effects of these structures would not be immediate, but rather could take up to a decade to achieve the desired outcome, depending on hydrological conditions.

During the Public Hearings, the Commission heard from Georgian Bay cottagers and residents about the need for measures to compensate for changes in the St. Clair River and for Governments to restore water levels in Lake Michigan-Huron accordingly. This call for immediate action was shared by some members of the public in the United States. Some other shoreline residents were strongly opposed to any action to raise the level of Lake Michigan-Huron because of concerns regarding potential damages resulting from future high water periods. The effects of these structures on the St. Clair River ecosystem, and in particular the potential impact on lake sturgeon spawning habitat, were deemed serious concerns. However, environmental stakeholders generally expressed the need for further examination of options to restore water levels to protect the ecological integrity of the upper Great Lakes.

The deepening and widening of the navigational channel in the St. Clair River in the early 1960s resulted in an estimated lowering of Lake Michigan-Huron water levels by 13 cm (5.1 inches). At that time, the Governments of Canada and the United States agreed to take measures that would compensate for the effects of the dredging on flows in the St. Clair River. However, the Governments did not proceed with construction of any of the proposed structures. This issue of past channelization and compensating measures was raised repeatedly by the public during the course of the Study and at the Public Hearings.

The Commission directed the Study Board to evaluate whether there has been any change in the conveyance capacity of the St. Clair River since this last channelization work was completed in 1962. The 2009 Study Board report concluded that an increase in the conveyance capacity of the St. Clair River resulted in a decline of 7-14 cm (2.8 to 5.5 in) in Lake Michigan-Huron water levels between 1963 and 2007. However, more accurate bathymetric surveys undertaken from 2000 to 2008 (the latest available) show that the conveyance capacity may be slightly decreasing. The Study Board investigated several possible causes but was not able to resolve what had triggered the change in conveyance capacity that appeared to have occurred in the 1980s or fully reconcile survey findings resulting from the use of the different survey technologies. Given this uncertainty, and the fact that the change was not ongoing, the Study Board did not propose any immediate action.

The Study Board's exploratory review of possible structures in the St. Clair River that could be implemented to raise Lake Michigan-Huron levels can serve as an excellent foundation for future analysis on such options and their likely effects. However, much more detailed work would be required to address fully the selection of a preferred option and undertake the engineering design.

Therefore, based on these considerations:

*The Commission recommends that the Governments undertake further investigation of structural options to restore water levels in Lake Michigan-Huron by 13 to 25 cm (about 5 to 10 in). The low end of the range addresses compensation for the early 1960s channelization and the higher end would offset the additional change in conveyance capacity that has been estimated by the Study Board to have occurred since then.*

*The Commission recognizes that the change in conveyance capacity since 1963 cannot be attributed directly to a particular human action and thus any restoration actions will warrant further deliberation by the Governments.*

*The Commission encourages the Governments to focus on an option that would not result in a permanent restoration change that could exacerbate future high water levels, but rather one that could primarily provide relief during low water periods.*

*The Commission also recommends that the Governments undertake a comprehensive benefit-cost analysis and a detailed environmental study that includes upstream and downstream impacts of potential structural restoration options as part of this more comprehensive investigation.*

*Finally, the Commission recommends that the Governments undertake periodic bathymetric surveys along the full reach of the St. Clair River and its delta in order to better understand the conveyance issue in the St. Clair River.*

#### **4. Adaptive Management and Great Lakes-St. Lawrence River Water Levels Advisory Board**

##### ***IUGLS Board Recommendations:***

*The IJC should seek to improve scientific understanding of hydroclimatic processes occurring in the Great Lakes basin and the impacts on future water levels as part of a continuous, coordinated binational effort. In particular, the IJC should endorse the following initiatives as priorities and strongly recommend ongoing government support:*

- strengthening climate change modelling capacity in the Great Lakes basin in light of the promising preliminary results identified in the Study; and,*
- enhancing hydroclimatic data collection in the upper Great Lakes Basin.*

*An adaptive management strategy should be applied to address future extreme water levels in the Great Lakes-St. Lawrence River basin through six core initiatives:*

- *strengthening hydroclimatic monitoring and modelling;*
- *ongoing risk assessment;*
- *ensuring more comprehensive information management and outreach;*
- *improving tools and processes for decision makers to evaluate their actions;*
- *establishing a collaborative regional adaptive management study for addressing water level extremes; and,*
- *promoting the integration of water quality and quantity modelling and activities.*

*The IJC should seek to establish a Great Lakes-St. Lawrence River Levels Advisory Board to champion and help administer the proposed adaptive management strategy for the entire Great Lakes-St. Lawrence River system.*

*The IJC should work with governments to pursue funding options and coordinate adaptive management efforts with the Lake Ontario-St. Lawrence River Working Group, the renewal of the Great Lakes Water Quality Agreement, and the implementation of the Great Lakes-St. Lawrence River Basin Sustainable Water Resource Agreement.*

Early in the Study, the Commission recognized and directed that a comprehensive adaptive management plan was needed to supplement the new **Lake Superior Regulation Plan 2012**. Without such a plan, critical monitoring and modelling established by the Study Board likely would not be maintained and the ability of Governments and other parties to adapt effectively to a changing climate would be hampered. The 2009 Study Board report identified a number of monitoring systems that needed to be maintained and modelling efforts that required further development. These initiatives would form an integral part of an adaptive management plan.

At the conclusion of the Study, a draft adaptive management strategy was developed and the elements of that strategy were outlined in the final Study Board report. In May 2012, the Commission established the International Great Lakes-St. Lawrence River Adaptive Management Task Team (Task Team) to further develop a detailed adaptive management plan. The plan is to be delivered to the Commission in mid-2013. It will evaluate and recommend priorities for binational adaptive management activities in the Great Lakes-St. Lawrence River basin to address future extreme water levels, consistent with the Study Board's recommendations. It will address adaptive management activities required for the upper Great Lakes system, the Lake Ontario-St. Lawrence River system, and activities that are common to both. The scope of the plan will include:

- studies and activities proposed to be performed;
- the level of detail and costs anticipated for activities;
- partnering opportunities and interested organizations that may conduct proposed activities; and,
- identify whether the activities are within or beyond the Commission's existing authorities.

The Task Team will address institutional arrangements and processes for administering the proposed plan. The Task Team will evaluate the Study Board recommendation concerning the establishment of a Great Lakes-St. Lawrence River Water Levels Advisory Board, exploring possible roles, functions and responsibilities as well as membership and the reporting structure within the overall governance of the system. In doing so, the Task Team will seek the views of the Commission's three Great Lakes Control Boards and the Lake Ontario-St. Lawrence River Working Group. In developing the plan, the Task Team will be seeking input from federal, provincial and state agencies, as well as from stakeholders.

Another important aspect to be addressed by the Task Team is analysis of linkages between water level and water quality considerations as described in the new Great Lakes Water Quality Agreement.

In the past, the Governments have asked the Commission on several occasions to assess approaches that could help to reduce the impacts of extreme water levels, both high and low. In addition, the concept of an International Great Lakes Levels Advisory Board was explored in the late 1970s. The Commission created the International Great Lakes Levels Advisory Board on August 9, 1979 in response to a reference from governments. The 1979 reference supported the Commission establishing such an advisory board to assist the Commission with its continuing responsibilities regarding Great Lakes water supplies, levels and flows. Furthermore, following the 2000 report, "Protection of the Waters of the Great Lakes", the governments provided a standing reference authorizing the Commission to review its recommendations contained in the 2000 report. One of the recommendations was that federal, state and provincial governments should move quickly to establish systematic arrangements for the exchange of water data and information and undertake coordinated research efforts to provide improved information for future water planning and management decisions. The work being proposed under the Great Lakes-St. Lawrence River Adaptive Management Plan could fulfill this long-standing need. In considering the Study Board's analysis and recommendations on adaptive management, the Commission finds that there is a continuing need for a comprehensive approach to adaptive management and broader governance mechanisms for managing water levels in the Great Lakes-St. Lawrence River system.

Therefore, based on these considerations:

***The Commission supports in principle the Study Board's adaptive management recommendations, with the understanding that the Commission will provide its advice to Governments on the scope and extent of the binational adaptive management plan after it has had the opportunity to review the Task Team's final report.***

***Through its Task Team, the Commission is also evaluating institutional arrangements and processes for administering the proposed plan, including the Great Lakes-St. Lawrence River Water Levels Advisory Board recommendation made by the Study Board. The Commission will provide its advice to Governments on these two remaining Study Board recommendations in mid-2013.***

## **Further Advice to Governments**

The Commission has been involved in two major studies over the last decade: the International Lake Ontario-St. Lawrence River Study and the International Upper Great Lakes Study. The Commission has learned many important lessons from undertaking these major efforts.

First, both of these studies greatly benefitted from an external independent peer review process. Therefore, the Commission proposes that independent peer review be an integral part of future bi-national studies. Independent peer review helps to ensure that the best science is put forward by a study and that the scientific process is transparent.

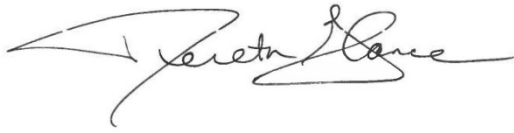
Secondly, the Commission recognizes that storing and maintaining access to the valuable data and information collected by these comprehensive and costly studies is an important investment. In the past, many of these study data and reports have been stored in multiple places and now are either lost or no longer readily accessible. The Commission has for the first time ensured that these important study data and information materials will be stored by the Commission itself. The Commission would like to draw attention to [www.ijc.org](http://www.ijc.org), where all the data and reports associated with the Study are available and are linked to the Study Board's decision-making process. Storing and making accessible these data and information materials will greatly save time and costs for the Governments and other parties in the future.

Finally, it is clear to the Commission that conducting major periodic studies may not be the most prudent approach to addressing water level regulation, particularly in light of a changing climate and the continually evolving and advancing state of science. The Commission believes that conducting ongoing monitoring and analyses to address uncertainty, for example, through the proposed adaptive management approach, may be a better investment of the Governments' resources and provide more timely information for a wide range of decision-makers

The Commission welcomes the opportunity to discuss these recommendations and findings with the Governments of Canada and the United States and their respective agencies.



Signed this 15th day of April, 2013.



Dereth B. Glance  
Commissioner  
U.S. Section



Joseph M. Comuzzi, P.C.  
Chair  
Canadian Section



Richard Moy  
Commissioner  
U.S. Section



Lyall P. Knott  
Commissioner  
Canadian Section

**Statement of Lana Pollack, U.S. Section Chair  
On The Commission's Advice to Governments  
On the Recommendations of the International Upper Great Lakes Study**

**April 15, 2013**

I wish to acknowledge the outstanding work done in the International Upper Great Lakes Study and commend the work of the entire study team. The Study Board's report is meritorious in many regards.

I have chosen today not to sign the Commission's Advice to Governments on the Recommendations of the International Upper Great Lakes Study for the following reasons:

- The Advice, in my view, places insufficient emphasis on climate change and the need for governments to pursue adaptive management strategies in the basin. It is critical that consistent funding be provided by governments to conduct necessary adaptive management studies and adequate adaptive management implementation to address extreme Great Lakes water levels anticipated in the future due to climate change.
- The Advice may also raise false hopes that structures in the St. Clair River, if built, would be sufficient to resolve the suffering from low water levels of Lake Michigan-Huron, while at the same time causing possible disruption downstream in Lake St. Clair and Lake Erie.

Ultimately, we have a responsibility to our two countries to assist them in protecting the diverse interests dependent on the Great Lakes by addressing the long-term impacts of climate change caused by the buildup of greenhouse gases in the atmosphere.

Sincerely,



Lana Pollack  
Chair  
US Section

# Staff Report

7.(i)



To: Board of Directors  
Date: August 22, 2013  
From: Kevan Baker, Director of Lands  
Subject: Conservation Lands Update

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## Camping Statistics:

- 406 full and half seasonal campers have registered in our 3 campgrounds, up from 397 in 2012. 189 seasonal campers are registered at Warwick (187 in 2012), 118 at LC Henderson (114 in 2012) and 99 at A.W. Campbell (96 in 2012).
- our 3 regional campgrounds have been busy this summer, gross revenues to date are \$882,000 (up 8%), with net revenues down 1% (end of July financials summary). Net revenues are misleading as there was a 3 pay month in July (this was in August in 2012) resulting in approximate \$ 30,000.00 in extra expenditures in salaries and wages, and also the new hydro billing (actual time billing) which means we are paying our hydro costs sooner than in 2012.

## Warwick Conservation Area (Warwick Township):

- new ceramic tiles have been installed in the women's main washroom shower areas
- new water conservation toilets have been installed in the main campground washrooms
- approach ramps with railings have been installed on the main trail bridge
- hydro servicing has been installed to 2 group camp areas
- roads have been resurfaced with gravel
- 30 large stock & 100 seedling trees have been planted
- pool ladders and railing anchors have been replaced
- one canoe rack and 2 viewing platforms have been constructed
- Blue Flag Trail has been widened and boardwalks leveled and/or replaced



#### L.C. Henderson Conservation Area (Enniskillen Township):

- slide hoods have been installed on the playground equipment
- new ceramic tiles have been installed on the main campground washroom floors
- 2 canoes have been purchased for public use (Foundation Bingo)
- Septic system & dump station has been completed and is now operational
- pool ladders and railing anchors have been replaced
- barn board siding has been replaced on the main washroom building
- a canoe and fishing dock has been constructed and installed in the main reservoir
- new portable washroom decks have been constructed and installed
- roads have been resurfaced with gravel
- road culvert in South Park camping loop has been replaced
- weir improvements include tree and brush removal and rock placement



#### A.W. Campbell Conservation Area (Brooke/Alvinston & S.W. Middlesex Townships):

- 9 new windows have been installed in the visitor center
- pool ladders and railing anchors have been replaced.
- new steel doors to be installed on the pool washroom building
- 30 large stock & 100 seedling trees have been planted
- carpet has been replaced on 3 mini golf holes
- roadways have been resurfaced with gravel
- trails have been widened and surfaced with chip and dust



#### Strathroy Conservation and Marsh Walk:

- 2 trail bridges to be upgraded (funded by Foundation)
- 10 board walk sections have been replaced along the trail system (funded by Foundation)
- at the Victoria St. Marsh Walk, the looped trail has been widened and sections have been resurfaced with chip and dust
- a small pocket of phragmites has been sprayed

#### Clark Wright Conservation Area:

- trail improvements include the installation of a 36' railed bridge and the addition or replacement of approximately 18 board walk sections (funded by Foundation)



#### Peers Wetland Conservation Area:

- wetland rehabilitation has been completed. This included berm reconstruction and seeding, pump and electrical installation, security fence construction, trail establishment, and parking lot construction.
- other improvements include: 5 acres of trees planted; 1.2 acres of tall grass prairie planted; and the installation of property and donor signage
- a draft master plan has been completed

#### C.J. McEwen Conservation Areas (Plympton/Wyoming):

- a new steel roof to be installed on the washroom building this fall

#### Wawanosh Wetlands Conservation Area (Sarnia)

- trails have been widened and leveled
- phragmites in and around the water control structure has been sprayed

### Lambton County Lands:

- the Conservation Authority manages 7 properties (approximately 1,400 acres) for the County of Lambton.
- at the Lambton County Heritage Forest, staff have performed trail inspections and have removed a number of trees which have fallen on the trails. Forestry staff has



performed a forest inventory of the property to determine standing timber values. Two trail signs to be installed along the trail system

- at Perch Creek Habitat Area, the main trail has been widened and trees and vegetation have been trimmed back. The forestry department planted 2,000 hardwood trees within the current ash plantations. Approximately 90 ft of board walks to be installed along the main trail system
- at Bowens Creek, the Forestry department planted 14,000 trees and will be continuing their herbicide management program on existing plantations.
- at Meadow View forestry staff planted 600 seedlings.

### McKeough Lands:

- erosion improvement works have been completed on Property 93, 95 and 97.
- this fall erosion works to be completed on Property 82 and Property 103.
- to date, Environmental Farm Plans have been completed for 11 of the agricultural parcels and 2 parcels have had Property Management Plans completed.
- a 911 number has been installed at the Outlet Park.

# Staff Report

7.(ii)



To: Board of Directors  
Date: August 27, 2013  
From: Kevan Baker, Director of Lands  
Subject: McKeough Lands Residential Property Status

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- Conservation Authority currently owns 3 residential properties which are rented to individuals on a month to month basis
- they are located at 1323 & 1327 Wilkesport Line and 3238 Mill St. (all are located in or around the Village of Wilkesport).
- the residence on Mill St. has been recently renovated by the tenant and is in good condition
- the homes at 1323 and 1327 Wilkesport Line were purchased by the authority around 1980 and have been rented for more than 30 years

- 1323 Wilkesport Line, Lot 13 Concession XII (Property 38):

- 1½ story, framed vinyl sided dwelling
- serviced with a private well and septic system; but has municipal water and natural gas available
- septic system is in poor working order
- presently has 3 outbuildings on the property, one used as detached garage and the others considered surplus
- property is not connected to a farming operation
- the current tenants have been living in the home for approximately 25 years and pay \$608 per month



- 1327 Wilkesport Line, Lot 14 Concession XII (Property 39):

- 1 story, framed vinyl sided dwelling
- connected to municipal sewer, water and natural gas
- presently has 3 outbuildings on the property, one used as a detached garage and the others are considered surplus
- property is not connected to a farming operation
- the current tenants have been living in the home for approximately 12 years and pay \$512 per month



#### Building Condition Status:

- both homes are in need of significant repair, from new windows and doors, decks, flooring foundations, etc; both are considered in poor condition
- the home at 1327 Wilkesport Line has foundation problems where the foundation has shifted
- the home at 1323 Wilkesport Line has a septic system which will require replacement in the near future
- Authority staff continue to repair small items in the homes but no major renovations are planned
- the cost to repair all the deficiencies in the homes would be substantial and could not be justified given the rents which are obtained in the area.

#### Severance Status:

- Authority staff has reviewed the option of severing these homes from the adjacent agricultural property with Lambton County planning staff.
- County staff provided that they could not support our severance proposal as these properties do not comply with the municipality's official plan and zoning.
- there may be less opposition to a single severance of 1327 Wilkesport Line as it is located closer to Wilkesport and is serviced with municipal sewer, water and natural gas

#### Future Options:

- although the current tenants appear to be satisfied with the condition of the homes, there are liability issues and rental standards which the Authority may be required to meet if either of the tenants decide to pursue rent standards under the Residential Tenancies Act.
- staff will continue to monitor the condition of these homes and will remove them from rental if they become unsafe or unsatisfactory to the current tenants.



To: SCRCA Board of Directors  
 Date: September 3, 2013  
 From: Steve Clark, Water Resources\SWP Data Technician  
 Subject: Current Watershed Conditions and Flood Threat

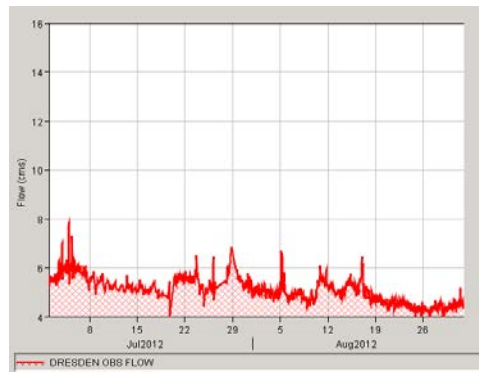
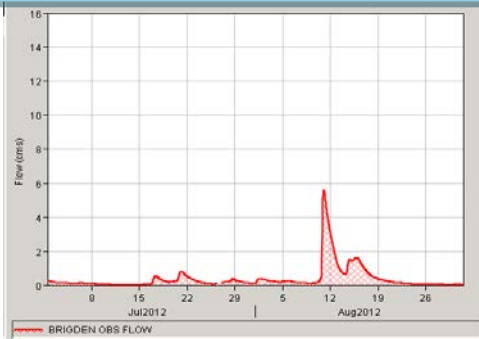
### Watershed Precipitation and Streamflow Conditions

#### Highlights:

- significant precipitation in June and July gives way to warmer dryer trend in August
- flow conditions reduced into August but the potential remains for localized flash flood conditions due to sudden storm events
- near normal temperatures and precipitation for the Fall season

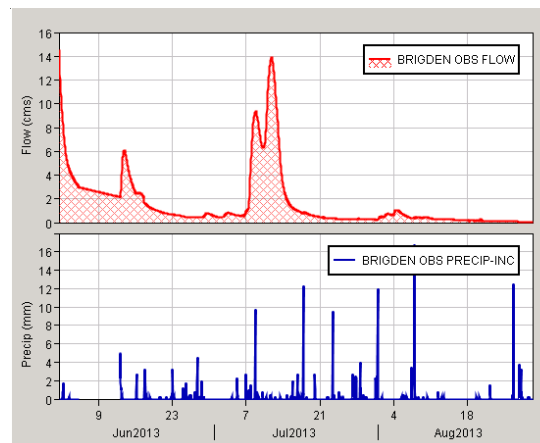
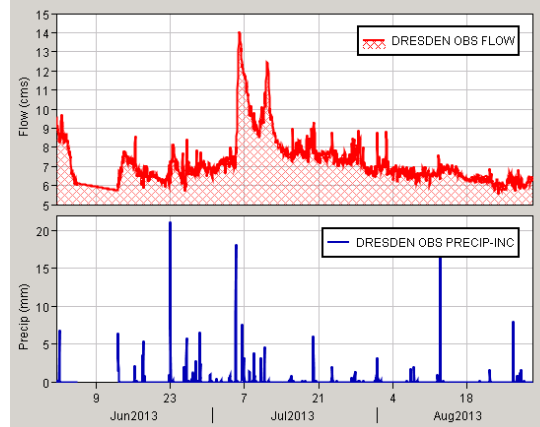
June and July 2013 where notably wetter and cooler than normal

Fig 2. Flow Comparison by Station – (July to August 2012) SCRCA data.



with regional average for the last quarter being **30%** higher than normal with the exception of London being slightly lower (fig 3.) This recovery from long term lower precipitation numbers throughout 2012 has improved conditions significantly with six month regional averages **23%** higher and the last twelve month period ending **13%** higher than normal. Significant storm events in July recorded precipitation in Sarnia and Windsor totaling **159mm** (~200% of normal for the month) and **262mm** (~300% of normal) respectively. By the end of August both these locations will have received almost **100%** of their normal yearly total (fig 4).

Fig 1. Precipitation and Flow Comparison by Station – (June to August 2013) SCRCA data.



Streamflows are compared to the amount of precipitation (fig 1.) by selected location in the north and east branches of the watershed. Flows have responded normally to the extensive rain events in June and July returning to normal in August with ample capacity for additional flow when values are typically the lowest for the year. Fig 2 provides a 2012 comparison of flows at the same stations and, using the same vertical scale illustrates the significant reduction of flows in 2012 when compared to 2013 for the Dresden and Brigden stations notably in July. The flood threat is considered minimal moving into September and

precipitation is anticipated to be in the normal range however, as has been the case in recent years, intense weather systems may produce flash flood events in floodplains and low lying areas.

Fig 3. Regional Precipitation – (Source: Environment Canada – Canadian Climate Data Averages) 1971-2013)

| Precipitation (mm)        | Sarnia        |        | Strathroy   |        | London      |        | Windsor     |        |
|---------------------------|---------------|--------|-------------|--------|-------------|--------|-------------|--------|
|                           | Actual 2011   | Normal | Actual 2011 | Normal | Actual 2011 | Normal | Actual 2011 | Normal |
| <b>Last Quarter</b>       |               |        |             |        |             |        |             |        |
| August                    | 42.5          | 77.1   | 62.6        | 82.1   | 40.7        | 85.3   | 48.4        | 79.7   |
| July                      | 159.9         | 74.1   | 107.2       | 71.7   | 76.9        | 82.2   | 262         | 81.8   |
| June                      | 131.3         | 85.5   | 98.6        | 74.5   | 114.7       | 86.8   | 154.8       | 89.8   |
| <b>Averages</b>           |               |        |             |        |             |        |             |        |
| last 3 month totals       | 333.7         | 236.7  | 268.4       | 228.3  | 232.3       | 254.3  | 465.2       | 251.3  |
| last 3 month % of normal  | 141.0%        |        | 117.6%      |        | 91.3%       |        | 185.1%      |        |
| regional average          | <b>133.8%</b> |        |             |        |             |        |             |        |
| last 6 month totals       | 591.6         | 444.6  | 556.8       | 461.2  | 483         | 497.8  | 695.2       | 492.2  |
| last 6 month % of normal  | 133.1%        |        | 120.7%      |        | 97.0%       |        | 141.2%      |        |
| regional average          | <b>123.0%</b> |        |             |        |             |        |             |        |
| last 12 month totals      | 1046.7        | 846.8  | 1080.2      | 945.1  | 928.5       | 987    | 1107.6      | 918.4  |
| last 12 month % of normal | 123.6%        |        | 114.3%      |        | 94.1%       |        | 120.6%      |        |
| regional average          | <b>113.1%</b> |        |             |        |             |        |             |        |

Fig 4. Precipitation – Actual 2013 to Date as % of Normal (Source: Environment Canada)

| 2013 Year to date                                  | Sarnia     | Strathroy  | London     | Windsor    |
|--|------------|------------|------------|------------|
| Rain Received YTD (mm)                             | 805        | 741        | 645        | 856        |
| Normal YTD (mm)                                    | 542.4      | 597.6      | 632        | 607.1      |
| Percent of Normal YTD                              | 148%       | 124%       | 102%       | 141%       |
| <b>Normal Total for Year</b>                       | <b>846</b> | <b>945</b> | <b>987</b> | <b>918</b> |
| Percentage of Normal Yearly Total Received to Date | 95%        | 78%        | 65%        | 93%        |

Fig 5. Ipperwash Beach



### Weather Forecast (Weather Network, Environment Canada)

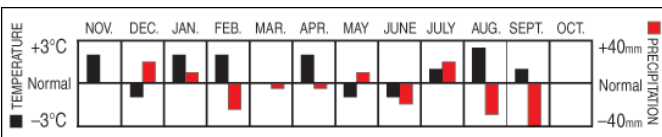
**September**

- cooler for the first part of the month with a warmer trend for the remainder with below average precipitation

**Fall and Winter**

- temperatures will be near normal with normal precipitation into the winter months

### 12 Month Outlook



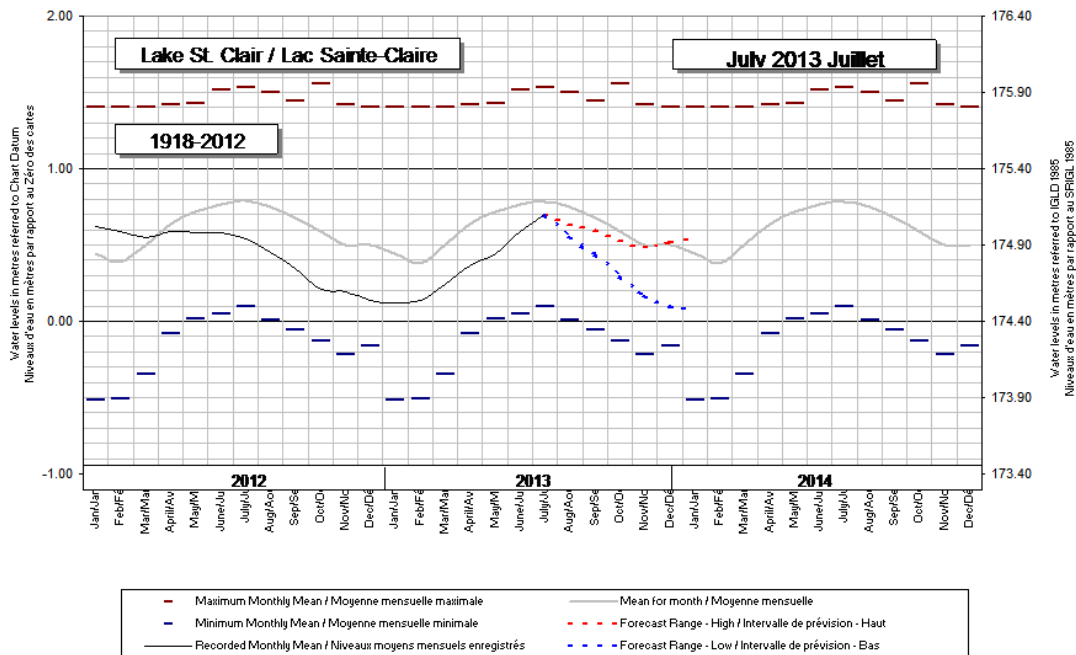
### Great Lakes Levels

Lake Huron levels have increased slightly by **5cm** (0.16ft) compared to July 2012 but the July 2013 numbers continue to be **11cm** (0.36ft) below the 10 year average for July. While there is a slight improvement over last year's numbers, it remains difficult to predict any specific long term trends regarding overall lake levels for the future. Analysis of statistics for the last 10 years does however continue to show a generally lower trend in levels for Lake Huron.

| Monthly Mean Water Levels in metres referred to IGLD 1985 |                    |           |                         |           |           |           |
|---|--------------------|-----------|-------------------------|-----------|-----------|-----------|
| July 2013   | Superior Supérieur | Huron     | St. Clair Sainte-Claire | Erie Érié | Ontario   | Montréal  |
| Mean for Month (preliminary data)                         | 183.37             | 176.09    | 175.1                   | 174.35    | 75.14     | 6.21      |
| Mean for month last year                                  | 183.3              | 176.04    | 174.94                  | 174.14    | 74.79     | 5.29      |
| Mean for month, last 10 years                             | 183.29             | 176.2     | 175.06                  | 174.28    | 75.01     | 6.03      |
| Statistics for period of record                           | 1918-2012          | 1918-2012 | 1918-2012               | 1918-2012 | 1918-2012 | 1967-2012 |
| 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    | 74.99     | 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                              | 183.46             | 176.08    | 175.01                  | 174.28    | 74.99     | 6.1       |
| Chart Datum / Zéro des cartes                             | 183.2              | 176       | 174.4                   | 173.5     | 74.2      | 5.55      |

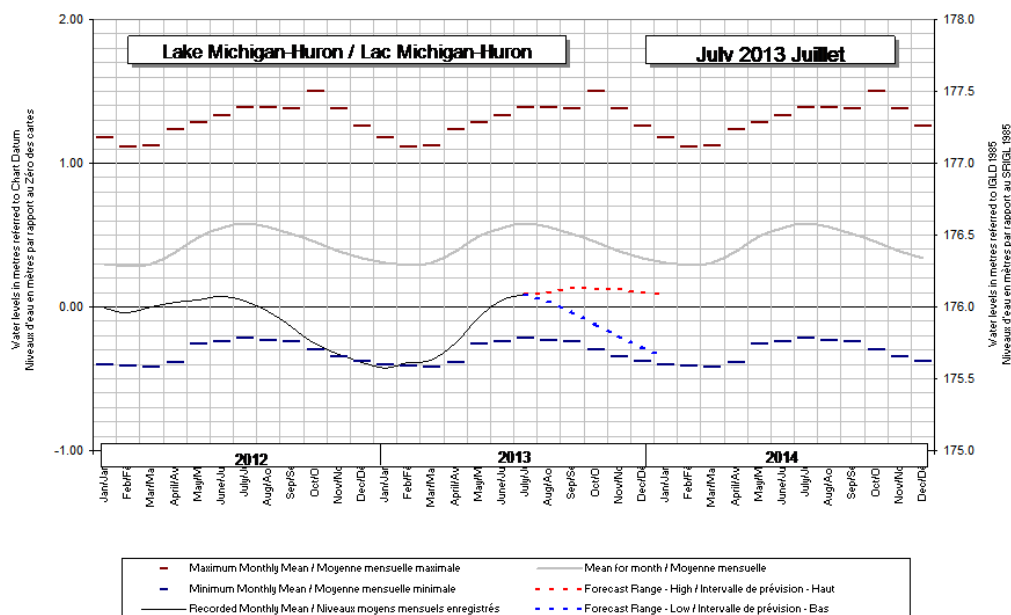
**Lake St. Clair**

| Units         | Current Monthly Level | Monthly Level Last Year | Change 2012/2013 | Current Month Average for Last 10 Years | Change Current compared to 10 year | Anticipated Next Month |
|---------------|-----------------------|-------------------------|------------------|---|------------------------------------|------------------------|
| Metric (m)    | 175.1                 | 174.94                  | 0.16             | 175.06                                  | 0.04                               | 175.01                 |
| Imperial (ft) | 574.47                | 573.95                  | 0.52             | 574.34                                  | 0.13                               | 574.18                 |



**Lake Huron**

| Units         | Current Monthly Level | Monthly Level Last Year | Change 2012/2013 | Current Month Average for Last 10 Years | Change Current compared to 10 year | Anticipated Next Month |
|---------------|-----------------------|-------------------------|------------------|---|------------------------------------|------------------------|
| Metric (m)    | 176.09                | 176.04                  | 0.05             | 176.2                                   | -0.11                              | 176.08                 |
| Imperial (ft) | 577.72                | 577.56                  | 0.16             | 578.08                                  | -0.36                              | 577.69                 |



# Staff Report

8.(ii)



To: Board of Directors  
Date: September 3, 2013  
From: Girish Sankar, Water Resources Engineer  
Subject: Water & Erosion Control Infrastructure (WECI) Projects

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- Applications have been reviewed by a committee of provincial and Conservation Authority staff representatives. The following 2 projects were approved for 2013- 2014.

| Structure      | Project Name                | Description of Work   | Total Project Cost (\$) | Grant Received (\$) |
|----------------|-----------------------------|---|-------------------------|---------------------|
| Coldstream Dam | Coldstream repair project   | Rip rap redistribution, removal of trees, shrubs and debris | \$20,000                | \$1,000             |
| Petrolia Dam   | Petrolia Dam Repair Project | Crack repair and signage                                    | \$4,000                 | \$1,000             |

- Authority projects have scored between 90 and 115 points in Repair Projects and between 20 and 70 points for Safety Projects.
- Repair Projects scored over 120 and Study Projects scored over 70 will be assured funding. Authority projects may be funded, as some projects in other parts of the Province could be completed under budget or fail to be completed.
- SCRCA has been successful in adding \$93,000 from Environment Canada and \$25,000 from MOE towards St. Clair River shoreline restoration. A portion will be used towards Cathcart Park Phase III work
- We continue to wrap up projects on a monthly basis. Status of 2011 – 2012 projects is outlined below:

| Previous WECI Projects                                |  |  |
|---|--|--|
| Structure   | Project Name                                       | Status   |
| McKeough Dam  | Floodway Slump Repair                              | Slump monitoring program established in May 2012.                                      |
| Cathcart Park   | Erosion Protection Revitalization Study – Phase 1I | Completed.   |
| Shoreline Repair (East of Pine Avenue, Brights Grove) | Sarnia Erosion Control Project Repair              | Completed.   |
| Petrolia Dam  | Downstream Erosion Repair                          | Design completed. Construction will be completed this Fall.                            |
| Head Street Dam                                       | Spillway Redistribution                            | Quotes are being obtained from contractor. Redistribution to be completed this summer. |

# Staff Report

9.(i)



**To:** Board of Directors  
**Date:** September 5, 2013  
**From:** Kelli Smith, Biological Technician  
Erin Carroll, Aquatic Biologist  
**Subject:** Fish Habitat Review

---

Under our Level 2 Service Agreement with Fisheries and Ocean Canada (DFO), SCRCA conducts an initial review of the project to identify any impacts to fish and fish habitat. SCRCA determines how the proponent can mitigate any potential impacts to fish and fish habitat. If impacts to fish and fish habitat can be mitigated, then the Conservation Authority issues a letter of advice. If impacts to fish and fish habitat cannot be fully mitigated, the project is forwarded to the local Department of Fisheries and Oceans for further review.

- partnership with DFO helps municipalities avoid delays in obtaining advice or authorization approvals from DFO
- review helps municipalities avoid damage to fish habitat and potential fines or prosecution under the Fisheries Act
- improved sediment control, erosion control and off-season timing improves the water quality and aquatic habitats in the SCRCA and keeps the soil on the land

## Files Processed for Level 2 Service Agreement

To the end of August 2013, **154** drain files were reviewed by St. Clair Conservation staff. Since June 1<sup>st</sup> 56 files have been processed under the Level 2 Agreement with 46 of these files also receiving SCRCA permission using the DART Protocol and the Standard Compliance Requirements (SCR) statement.

| Categories of Fish Habitat Review                                     | January-<br>May | June -<br>August | Total<br>Processed<br>January<br>to August<br>2013 |
|---|-----------------|------------------|--|
| Letters of Advice   | 4               | 34               | 38   |
| Class Authorization   | 44              | 16               | 60   |
| Extension Letter  | 0               | 0                | 0  |
| Other Types of Files (e.g.,<br>Environmental Assessment sign-<br>off) | 1               | 6                | 7  |
| Requires DFO Feedback or<br>Sign-off                                  |                 | 27               | 27   |
| Waiting for Municipality or<br>Drainage Superintendent                |                 | 22               | 22   |
| <b>Total Files from Jan to August<br/>2013</b>                        | <b>49</b>       | <b>105</b>       | <b>154</b>   |

### **How SCRCA Compares to other Conservation Authorities**

Conservation Ontario recently published results of a 2012 survey which tallies the number of DFO service agreement transactions per Conservation Authority. Of the 36 Conservation Authorities, St. Clair Conservation processed the greatest number of applications for drain maintenance/repair/engineering (281), followed by Lake Simcoe Region CA (242), and Essex Region CA (183). Lower Thames also processed a high number of applications (156).

### **Excerpt from Conservation Ontario Statistical Survey of 2012 Services, Programs, Activities Report**

| <i>Conservation Authority</i> | <b>Level II<br/>Service<br/>Agreement</b> | <b>Level III<br/>Service<br/>Agreement</b> |
|-------------------------------|---|--|
| <i>Ausable Bayfield</i>       | 82  |  |
| <i>Essex Region</i>           |   | 183  |
| <i>Lake Simcoe Region</i>     |   | 242  |
| <i>Lower Thames Valley</i>    | 156                                       |  |
| <i>St. Clair Region</i>       | 281                                       |  |
| <i>Upper Thames River</i>     | 101                                       |  |

### **St. Clair River AOC Grant for Municipal Drain Enhancements**

As outlined in the Fish Habitat Review June Board Report, \$90,000 of funding was approved by the Great Lakes Sustainability Fund (GLSF) for the 2 year project “Managing Sediment and Erosion and Enhancing Fish Habitat in Agricultural Watercourses in the St. Clair River Area of Concern.” The intent of this new funding is to encourage additional restoration, enhancements, and mitigations on municipal drains. An innovative municipal drain project on the Clark Drain in Sarnia is among the projects to be considered by the Review Committee to receive this new funding.

### **Enhancing Fish Habitat in the Clark Drain and Branches**

The Clark Drain is a municipal drain which provides drainage for Lots 12 to 17, Concession 8, Lot 5 to 10 Concession 9 and Lots 43 to 45, Concession Front in Sarnia. It is an open channel the runs on the south side of Michigan Line between Modeland Road and outlets into the Wawanosh Drain (Perch Creek).

The upper portion of the Clark Drain lying west of Modeland Road was abandoned and enclosed by the construction of storm sewer. Improvements on Branch C were constructed to mitigate loss of fish habitat.

The design on Branch C of Clark Drain includes meandering natural channel design with benching and a low flow channel, riparian buffers, fish refuge pool and native plantings. Dogwood, elderberry, staghorn sumac, buttonbush, nannyberry and serviceberry shrubs will hold soil in place, provide shade and attract wildlife.

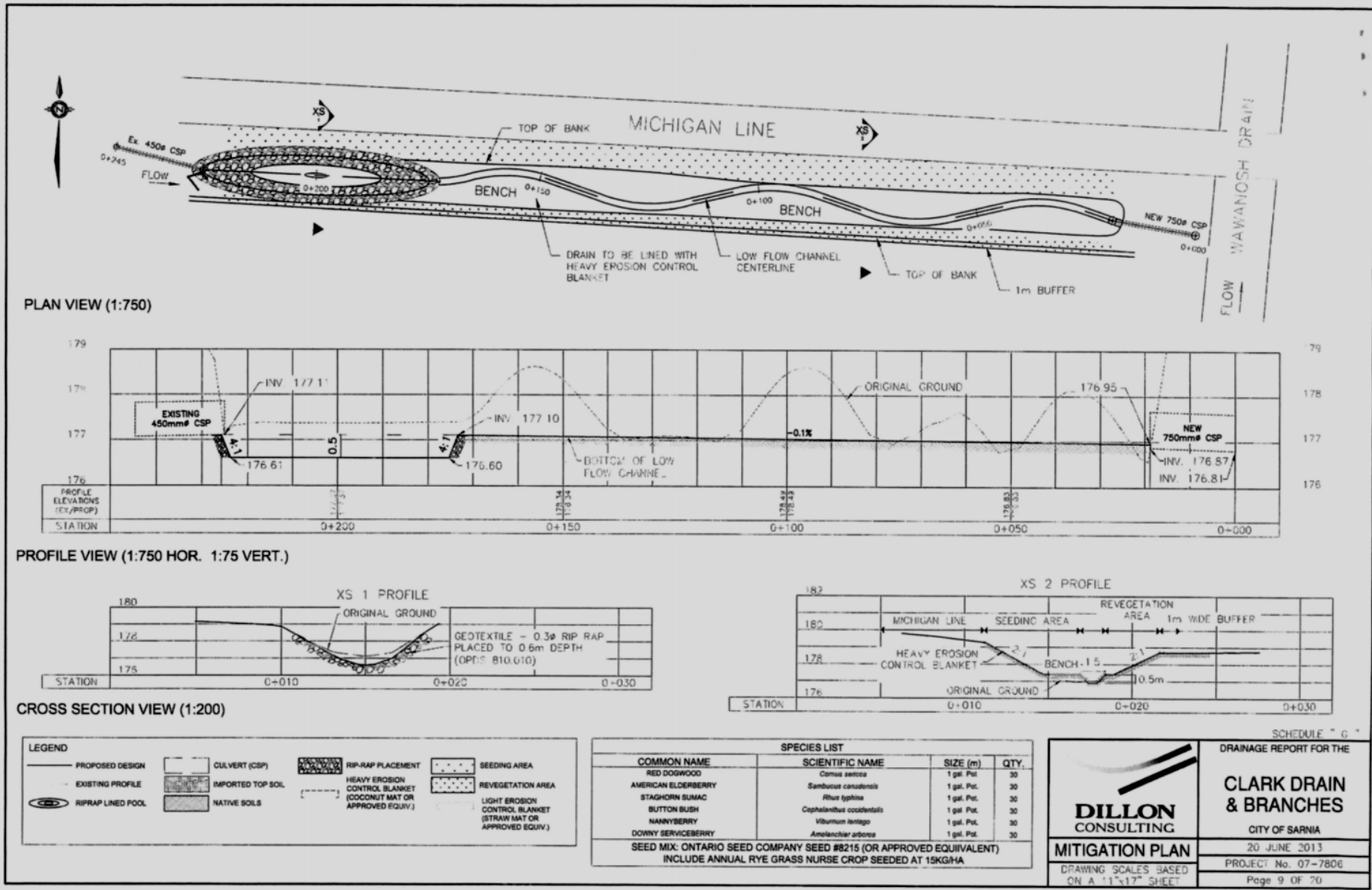


Figure 1. Design for meandering low flow channel, benching, riparian buffer with native shrubs and sediment pool to be added to Branch C of Clark Drain.



*Figure 2. Branch C prior to addition of enhancements.*



# Staff Report

**To: Board of Directors**  
**Date: September 5, 2013**  
**From: Kelli Smith, Biological Technician**  
**Subject: Environmental Farm Plans and Property Management Plans**

---

The Ontario Ministry of Agriculture and Food (OMAF) provided funds for a Phosphorus Reduction program in the St. Clair Region, including development of Farm Management Plans for 400 acres of the McKeough Upstream Lands.



In March of 2013, I participated in the Environmental Farm Plan workshop in Woodstock. This was a two day course in which the agricultural rental parcel 4 just west of Wilkesport was assessed. The EFP was completed and reviewed by a committee.

Issues to be addressed include:

- erosion control
- septic upgrades
- upgrades to well casing and water testing
- implementation of buffer strips along watercourses.

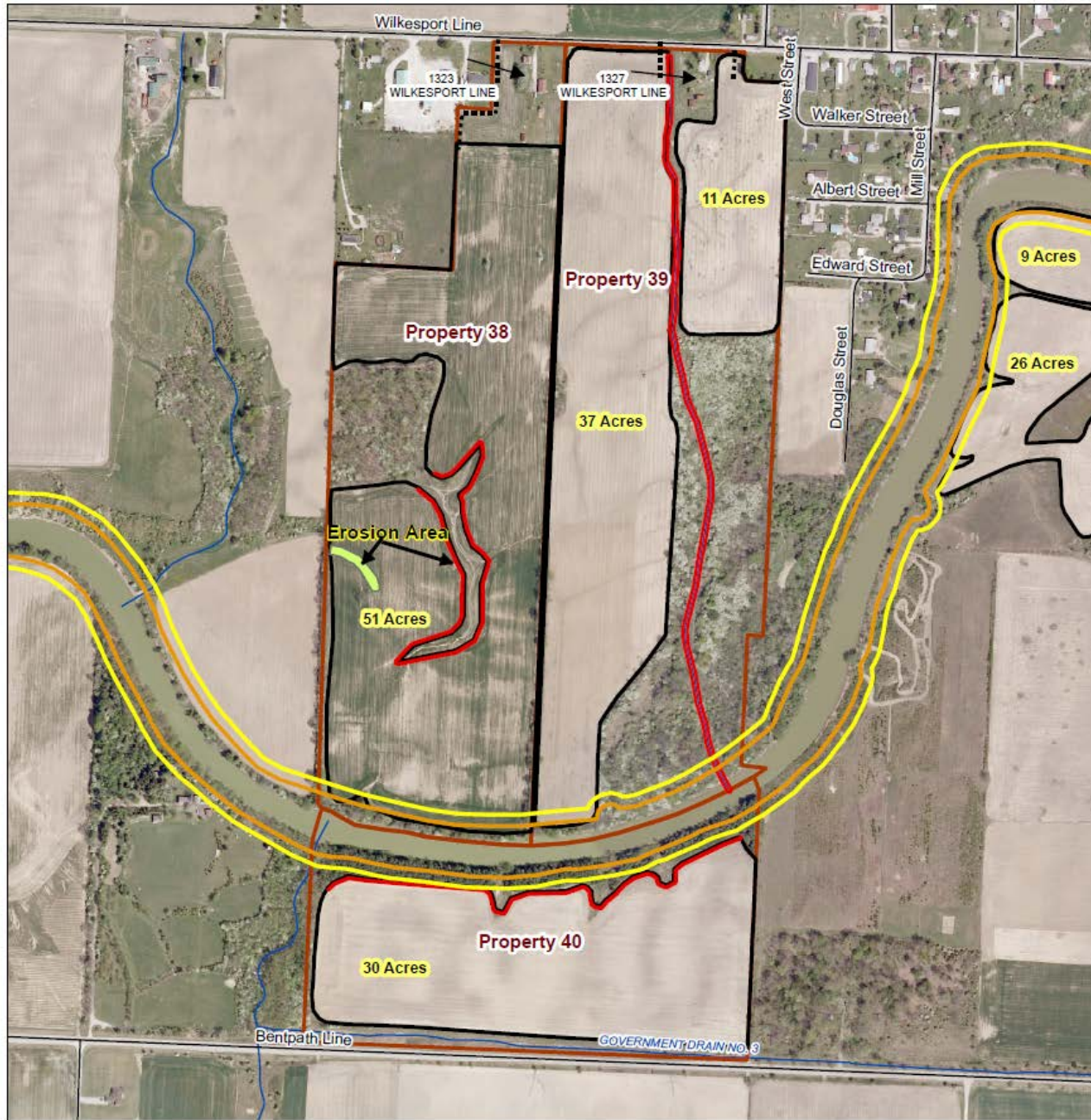
From the recommendations provided by the EFP review committee we developed a more detailed list of how we plan to improve erosion control on the properties. These include:

- 1) provide 3m riparian buffer strips along the gully and Municipal Drainage ditches
- 2) establish a wider buffer (15-30 meters) along the frontage of the North Sydenham River to filter runoff and stabilize the banks
- 3) establish a minimum 3m grassed buffer on property 40 at the top of bank to improve stability and reduce erosion
- 4) remove the steep slope located on property 38 from production and implement a grassed waterway, vegetated blanket or buffer to help stabilize the slope
- 5) monitor tiles and fix where necessary including the tiles on property 40, monitoring should be conducted annually in March for tiles and drains
- 6) establish a water and sediment control basin (W.A.S.C.O.B), berm system to hold back water and reduce velocity

Tenants will also be asked to implement nutrient management plans and soil sampling (particularly with respect to nutrients) should be conducted. Discussions with the tenants will take place in the coming months and the erosion control and buffers are estimated to start next year.

After the completion of the first parcel I partook in a second two day workshop in Bornholm at the end of July for 10 more agricultural rental parcels. The EFPs were completed and are currently being reviewed. Six more parcels in the McKeough Upstream Lands are in need of an EFP. An additional EFP is in progress for the McLean Property.

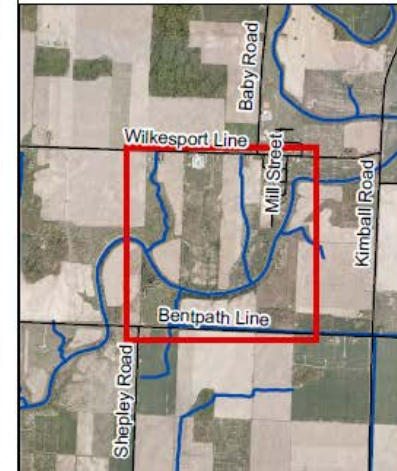
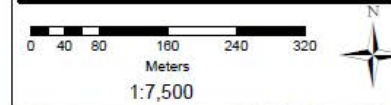
# Buffer Recommendations



## Property Management Plan Parcel 4

- Mckeough Properties
- Agricultural Land
- 3 m buffer
- 15 m buffer
- 30 m buffer
- Field Entrance

Property 38 = Agriculture Area 51 Acres  
 Property 39 = Agriculture Area 48 Acres  
 Property 40 = Agriculture Area 30 Acres  
 Rental Parcel 4 = 129 Acres



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# Staff Report

9.(iii)



To: Board of Directors  
Date: September 5<sup>th</sup>, 2013  
From: Jacob Kloeze, Water Quality Technician  
Subject: Talfourd Creek Stream Restoration

---

## Background

The Aamjiwnnang Environment Department has continued to work towards restoring a stretch of Talfourd Creek adjacent to the Community Centre in Bear Park. The main goal of the project was to “bring the creek back into the lives of the community. By restoring the creek, it is hoped that a new appreciation of the creek is fostered, therefore returning the creek to the people.”

SCRCA was awarded funds through the Great Lakes Guardian Fund in order to assist with certain aspects of the restoration work. Contributions have focused on four main areas:

- ❖ pre and post restoration benthic macro-invertebrate monitoring
- ❖ involvement and educational programs at four community events
- ❖ development and design of interpretive signage for the site
- ❖ planting of native large stock and seedling trees

## Pre-restoration Benthic Macroinvertebrate Monitoring

- ❖ benthic macroinvertebrates are organisms that live within a watercourse and are key indicators of water quality, as each organism has a different tolerance to pollution
- ❖ by determining the diversity and presence/absence of different species, an overall picture of water quality can be formed
- ❖ pre-restoration samples were taken in the fall of 2012 and spring of 2013, while post restoration samples will be taken after all restoration work is completed and the stream has been given time to re-adjust
- ❖ completing such sampling and comparing results will help to show the improvement in Talfourd Creek as a result of restoration work



**Benthic Sampling, Talfourd Creek May 2013**

## Involvement in Community Events

- ❖ St. Clair staff have attended 3 Community Events held at the Community Center in Bear Park: Earthday, Solidarity Day, and Talfourd Creek Awareness Day
- ❖ staff members have been involved with running education programs at each event, with programs focusing on teaching the community about:
  - stream ecology
  - benthic macroinvertebrates
  - aquatic and terrestrial species
- ❖ planning for a fourth and final event, Environmental Awareness Day, is currently underway where SCRCA staff will again be on hand to provide educational programs as well as plant both native large stock and seedling trees



Community members participating in cleanup during Earthday events

## Interpretive Signage

- ❖ 5 interpretive signs were designed and developed in collaboration with Friends of the St. Clair River and Aamjiwnaang Environment Department
- ❖ 1 main sign and 4 sub-signs were created in order to explain the restoration work undertaken and how such work will help increase biodiversity and the health of both the aquatic and terrestrial ecosystems adjacent to the stream
- ❖ the signs are completed and are currently in the process of being printed for installation later in the year



## Pollinating Talfourd Creek

1 of 5 interpretive signs for installation at Talfourd Creek

# Staff Report

9.(iv)



To: Board of Directors  
Date: September 5, 2013  
From: Jessica Van Zwol, Healthy Watersheds Specialist  
Subject: Healthy Watersheds Program – Lambton Shores

---

## Background:

- **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, which identified 5 priority sub-watersheds along Lake Huron Shoreline that require immediate action to improve beach and inland surface water quality

## Ongoing Activities:

- staff mailed out personalized letter to 475 landowners in Lambton Shores with properties greater than 5 acres introducing a cover crop grant for the priority watershed and discussing the other stewardship grants that are available.
  - to gain a better understanding of the benefits and barriers of cover crop planting, we also included a landowner survey offering the chance of a prize for completing the survey.
  - we've received 2 completed cover crop surveys
  - **3 landowners** have expressed interest in applying for the cover crop grant.
- working with Communities in Bloom – Lambton Shores, to plan a Fall Community Planting Day at the retired Forest Sewage Lagoon using a **\$3,375** grant from **TD Friends of the Environment**
- developing wetland restoration plans for the retired Forest Sewage Lagoons is ongoing and involves many partners (Municipality of Lambton Shores, Communities in Bloom, CH2M Hill, Lambton Shores Trail Committee, and SCRCA).
- water quality sampling during storm events using the automatic water sampler on Shashawandah Creek continues

## Summer events:

- *June 18, 2013*: Lambton County Picnic
- *July 24, 2013*: Lambton Shores Steering Committee meeting
- *August 1, 2013*: Communities in Bloom – Lambton Shores judges tour: discussing the habitat rehabilitation plans and wildlife viewing platform at the Forest Sewage Lagoons (funded by CH2MHill and TD Friends of the Environment); see news article
- *August 23, 2013*: Filming for the Rural Stormwater Management Model with local landowner discussing the importance of cover crops, grassed waterways, and riparian buffers for soil conservation and stream health.

## Upcoming events:

- *September 14, 2013:* Great Canadian Shoreline Cleanup at Centre Ipperwash Beach, 1-3 pm
- *September 20-22, 2013:* Forest Fall Fair, SCRCA will have a booth set up. Come say hi!
- *October 5, 2013:* Forest Sewage Lagoon Community shoreline and shrub planting
- *October 23, 2013:* Lambton Shores Steering Committee Meeting

## CIB judges learn about wetland habitat restoration project

Communities in Bloom judges made a stop at the former Forest Sewage Lagoons last week to learn more about the wetland habitat restoration project that will take its

place. "The retired Forest Sewage Lagoons provide crucial stopover habitat for migrating waterfowl; however, there is little habitat to provide foraging or shelter opportunities," says St. Clair Region Conservation Authority Healthy Watershed Specialist Jessica Van Zwol. "That's why CH2MHill, the Municipality of Lambton Shores, Communities in Bloom, the Lambton Shores Nature Trails Committee and the St. Clair Region Conservation Authority are working together on a wetland habitat restoration project that will enhance waterfowl and amphibian habitat as well as provide opportunities for bird watching and nature viewing."

On Thursday, August 1 CIB judges Lucie Gagné and Bob Lewis learned about the plans for the retired lagoons which include lowering the water level to encourage the growth of wetland plants and a community shoreline planting day planned for the fall. Van Zwol was on hand to explain the importance of wetlands for wildlife habitat and for maintaining good water quality. She also discussed the community planting day, in which volunteers will be planting native shoreline plants like swamp milkweed, blue flag iris, and ninebark, all of which create habitat, secure sediment and are aesthetically pleasing to hikers along the lagoon trail. Funding support for the planting day was secured

through TD Friends of the Environment Foundation. Shawn Young of CH2MHill discussed how his organization has committed to constructing a viewing platform and making improvements to the existing trail for local residents to enjoy bird watching and nature viewing. "The goals of the restoration project and community planting day are to improve wetland habitat, encourage residents to spend time outdoors and get involved in their local community, as well as provide the local community with a greater understanding of the impact of individual efforts within our local watershed and the watersheds of the Great Lakes," says Van Zwol.



Jessica Van Zwol, of St Clair Regional Conservation Authority and Shawn Young representing CH2MHill were on site the former Forest Sewage Lagoons last week, educating Communities in Bloom judges about the planned wetland habitat restoration project. Shown in photo is Van Zwol speaking to judges Lucie Gagné and Bob Lewis. Photo submitted

# Staff Report

9.(v)



To: Board of Directors  
Date: September 5, 2013  
From: Jessica Van Zwol, Healthy Watersheds Specialist  
Subject: Healthy Watersheds Program – Sydenham Headwaters

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## Background:

- **Healthy Sydenham Headwaters Initiative (HSHI)**
  - the St. Clair Region Conservation Authority and Middlesex Stewardship Council (MSC) are partnering on this Initiative to guide conservation and restoration efforts in these important headwaters areas.
  - land selected for the HSHI occurs in the south-west corner of Middlesex County. The Sydenham River headwaters and the Strathroy-Caradoc Sand Plain are located within this boundary. Actions in headwater rehabilitation will have the greatest impact on the entire Sydenham watershed.
  - funding is available for projects including: riparian buffers, tree planting, wetland and woodlot restoration, and strengthening wildlife movement corridors.

## Ongoing Activities and Project Update:

- staff mailed out personalized letters to 1800 landowners in the headwaters of the Sydenham River, introducing the HSHI and announcing available grants for stewardship projects (May 2013)
  - to date, over **60 landowners** have inquired about the program
  - staff have completed **24 site visits** and are following up with all inquiries
  - staff have collaborated with Ducks Unlimited on **4 wetland** projects
- to date, **5 wetland projects** have been created/enhanced in the headwaters of the Sydenham River with funding from Wildlife Habitat Canada, Habitat Stewardship Program, MSC, and Canada Fish and Wildlife Improvement Program
- in the coming weeks, **2 more wetland projects** will be established
- Stewardship projects tentatively approved for implementation include approximately **66 acres of habitat creation/enhancement** (woodlot enhancement, windbreaks, wetlands, and tall grass prairie), with an additional **25 acres** undergoing the approval process
- working with the Municipality of Strathroy-Caradoc, youth and community planting days are planned for the fall, funded by an **RBC Community Action Grant** and **Wildlife Habitat Canada Grant**
- staff organized a **Bus Tour** in collaboration with MSC to showcase local stewardship projects in the study area of the HSHI
  - representatives from Ontario Trillium Foundation and Ducks Unlimited attended
  - **14 landowners** participated
- staff also attended Middlesex Stewardship Council meetings.

## Upcoming events:

- *September 21, 2013*: Strathroy Community Planting Day at Alexandra Park, 9-11 am
- *October 22, 2013*: Strathroy Youth Planting Day at Alexandra Park



Wetland excavation on a landowner's property in the Headwaters of the Sydenham River.



Staff discussing a potential wetland project with wetland contractor and interested landowner.



Attendees of the MSC bus tour observing a wetland project that was created in November 2012.



# Staff Report

9.(vi)



To: Board of Directors  
 Date: September 5 2013  
 From: Muriel Andreae, Senior Biologist  
 Subject: 2013 St. Clair Conservation Watershed Report Card

## Background

- Conservation Authorities across Ontario have prepared Watershed Report Cards to help residents, agency staff and CA Directors measure the environmental health of their region.
- the second Report Card for the St. Clair Region is being released now, and includes summary tables of many environmental features that reflect or affect watershed health.
- forest condition is assessed and graded using:
  - forest cover
  - forest interior
  - forested riparian buffer
- surface water quality is assessed and graded using:
  - total Phosphorus
  - benthic invertebrates
  - bacteria

there are individual cards for each of 14 watersheds within the region.

- each Report Card includes:
  - surface water quality grades
  - forest condition grades
  - summary of watershed features
  - highlights of progress since 2005
  - local solutions that will improve environmental conditions
- the larger document and individual watershed cards are available on the SCRCA website
- directors are receiving watershed cards for their municipality



St. Clair Region Conservation Authority  
**Watershed Report Card**  
 2013



“working together for a better environment”



This report card summarizes surface water quality and forest condition in the Lower Bear Creek watershed within the St. Clair Region Conservation Authority jurisdiction from 2005 to 2010. The summary is intended to provide citizens, community groups, municipalities, industries and agencies with information so they can take actions to protect or enhance the environmental features of the watershed. The ongoing monitoring will be reported on a five-year cycle which will help local people manage their local environment. This card uses the 2011 guidelines and updated grading system for Conservation Authority Watershed Report Cards. These new province-wide standards have a more stringent grading system and result in generally lower grades in the internally developed regions of southwestern Ontario.

This report card is part of a larger report entitled the St. Clair Region Conservation Authority Watershed Report Card (2013) available at [www.scrca.on.ca](http://www.scrca.on.ca). Further information including methodology, comparisons with the other 13 St. Clair Region watersheds, regional maps and summary tables are also found in that document.

| SURFACE WATER QUALITY   |                       |                        |                       |                        | Grade: <b>D</b>  |
|-------------------------|-----------------------|------------------------|-----------------------|------------------------|--|
| Indicator               | Lower Bear Creek 2005 | 2010                   | St. Clair Region 2010 | Provincial Guideline   | Indicator Description  |
| Total Phosphorus (mg/L) | 0.23                  | 0.19<br>F<br>Improving | 0.13<br>D             | 0.03                   | Phosphorus is found in products such as detergents, fertilizer and pesticides, and contributes to excess algae and low oxygen in streams and lakes.  |
| Bacteria (MFC/100mL)    | 216                   | 215<br>C<br>Steady     | 169<br>C              | 100 (RECREATIONAL USE) | Faecal bacteria are found in human and animal (livestock/wildlife) waste. Their presence in water indicates fecal contamination and is a strong indicator that other disease-causing organisms are in the watercourse.               |
| Benthic Score (FBI)     | 5.5                   | 5.8<br>D<br>Declining  | 5.9<br>D              | None                   | Benthic invertebrates are small animals without backbones that live in stream sediments. The Family Benthic Index (FBI) score each year according to its pollution tolerance and ranges from 1 (poor) to 10 (excellent/undisturbed). |

| FOREST CONDITION           |                       |           |                       |   | Grade: <b>D</b> |
|----------------------------|-----------------------|-----------|-----------------------|---|-----------------|
| Indicators                 | Lower Bear Creek 2005 | 2010      | St. Clair Region 2010 | Indicator Description   |                 |
| Forest Cover %             | 14.7                  | 14.5<br>D | 11.4<br>D             | Forest Cover is the percentage of a watershed that is forested. Environment Canada recommends that 30% of a watershed should be forest and other natural cover to sustain native plants and animals.                      |                 |
| Forest Interior %          | 2.4                   | 2.7<br>D  | 2.0<br>F              | Forest Interior is the core area inside a woodlot that some bird species need to breed successfully. The outer 100 m perimeter of a woodlot is prone to high production, sun and wind damage, and alien species invasion. |                 |
| Forested Riparian Buffer % | No data               | 30.4<br>C | 21.2<br>D             | Forested Riparian Buffer is the 30 m area that is forested on both sides of an open watercourse. Natural cover in this area aids in sediment and nutrient removal.  |                 |

The changes in forest condition percentages between the two time periods may reflect more accurate mapping, rather than an actual gain or loss of forest cover.

## Results

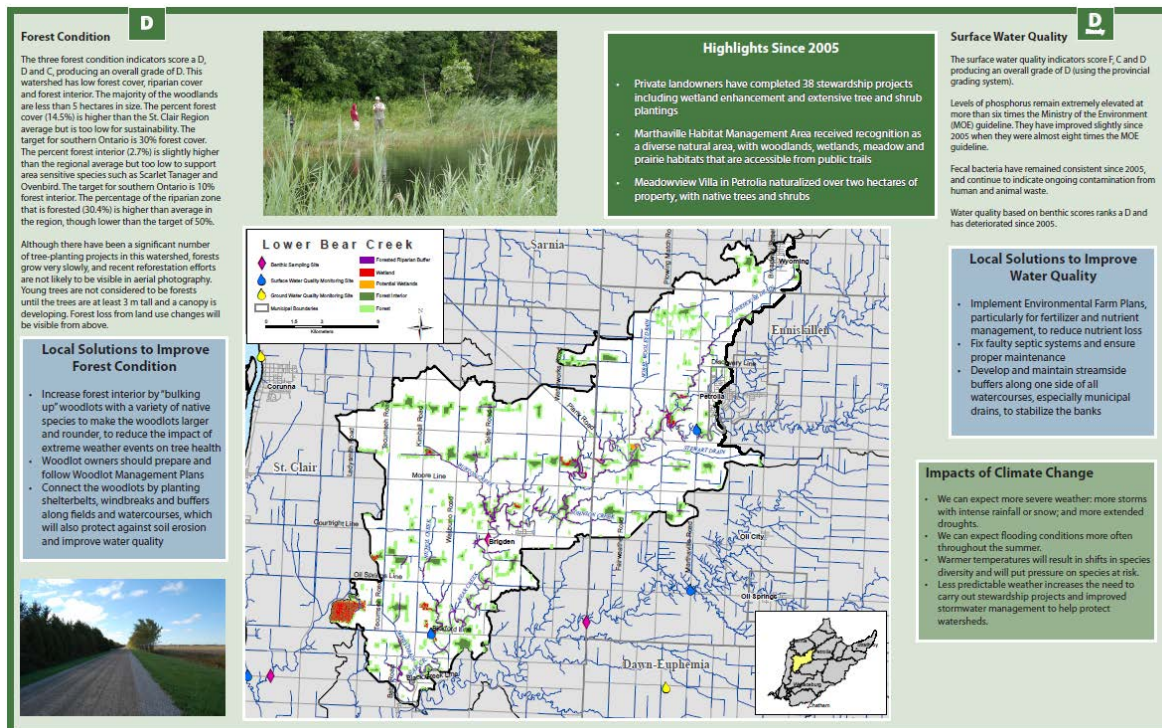
- even with more stringent guidelines, the surface water quality has remained steady or improved in the majority of the St. Clair Region since the 2008 Report Cards.
- the surface water quality grades range from C to D.
- water quality has improved in three watersheds, stayed steady in seven watersheds and declined in two watersheds.
- forest condition grades range from C to F, with most watersheds receiving a D grade.

## New for 2013

- stewardship projects, local temperature and precipitation information, woodlot size distribution, watercourse length and type, and streamflow values are now included the individual cards, and summarized in the larger document.
- 128 Stewardship projects were completed by private landowners working with the SCRCA over the five year period.
- over 100 stewardship projects were implemented on corporate and public lands.

## Targeting actions

- the information allows SCRCA staff and watershed communities to compare the results with the 2008 cards, and target actions for the future.
- continued work is needed to improve and protect local streams and forest conditions.
- these efforts should include planting or protecting riparian buffers along open watercourses. 21% of the watercourses have forested buffers, and the goal is 50%.
- more trees must be planted. The current forest cover is 11.4% and the goal is 30%.
- encourage better nutrient management practices. Excess phosphorus is causing serious algae blooms in Lake St. Clair and Lake Erie, and SCRCA phosphorus readings are between two and eight times the MOE guidelines.



**ST. CLAIR REGION CONSERVATION AUTHORITY  
REGULATIONS ACTIVITY REPORT**

**11.(i)**

**June 30, 2013**

**TO: SCRCA Chair and Board of Directors**

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

**FROM: Dallas Cundick, Environmental Planner / Regulations Officer**

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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, 2013 to June 30, 2013.

**Application # 10711**

Corporation of the Municipality of Chatham-Kent

St. George Street over the Sydenham River, Lot 5, Concession 4, Geographic Township of  
Camden, Municipality of Chatham-Kent

- permission required to rehabilitate the Dresden Bridge over the Sydenham River by:
  - partial depth concrete removals to the bridge soffit, fascia, piers, pier hammerheads, and wingwalls;
  - applying concrete sealer to the parapet walls and sidewalks;
  - polyurethane crack injection on the parapet walls;
  - abandonment of existing deck drains, installation of new deck drains; and
  - reinstatement of rip rap in existing gabion baskets on the north embankment.
- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;
- works will be completed in the dry via the use of scaffolding and silt fence;
- all disturbed areas will be restored with topsoil and reseeded upon completion of the works, and returned to existing grades;
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, June 25, 2013;
- staff permission issued June 25, 2013;

**Application # 10748**

Municipality of Brooke-Alvinston

Inwood Storm Sewers, Lot 3, Concession 5, Geographic Township of Brooke, County of  
Lambton

- permission required to reconstruct Moore, Queen and McNally Streets in Inwood, and construct storm sewers along these streets that will outlet into the existing  $\frac{3}{4}$  Sideroad Municipal Drain along Inwood Road.;

- project drawings prepared by MIG Engineering (2011) Ltd., Project No. 10417.03, Sheet no. 4-5, 11 dated for MOE approval Feb. 15, 2013; and Sheet no. B1-B4 dated issued for tender March 12, 2013;
- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;
- there will be no in-water works, and all disturbed areas will be stabilized and restored to original condition or better upon completion of the works;
- staff permission issued June 24, 2013.

### **Application # 10749**

Municipality of Lambton Shores

Church Street, Lot 3, Concession 8 NER, Geographic Township of Warwick, County of Lambton

- permission required to replace the existing concrete box culvert (under Church Street) of 1.2 m span and arched top 1.55 m rise with a 2.0 m diameter pipe 17.0 m in length;
- remove and replace the existing 250mm CSP from the north east side of Church Street with a 250mm CSP;
- remove the existing 450mm and 250mm culverts on the south east side of Church Street and replace them with a 525mm HDPE pipe;
- install temporary backwater dams each side of construction with water from channel pumped around site into stilling basin;
- construct temporary stilling basin in stream bottom downstream of construction for ditch width. 0.5 m deep, 5 m long and have silt fence (MIRAF 170N) on downstream side to slow discharged water before entering stream channel silt fence to be kept clean for the duration of project;
- water pumped from construction site to be discharged into grassed area with silt fence before entering stream. Construction dewatering is not to be discharged directly into stream;
- supply and install quarry stone rip-rap for 3.0 m downstream and 1.5 m upstream of new culvert. Existing broken concrete rip-rap to be removed and disposed of or broken down into 300mm chunks and mixed with new quarry stone (max 60% existing 40% new);
- cleanup/restore and appropriately re-vegetate areas affected by construction;
- sediment and erosion control measures will be installed prior to commencement of the works and be maintained until all disturbed areas have been rehabilitated to pre-construction conditions, at which time they will be removed;
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, June 3, 2013;
- staff permission issued June 3, 2013;

### **Application # 10752**

St. Clair Township

3115 Brigden Rd over the Bear Creek, Lot 7 and 6, Concession 5, Geographic Township of Moore, County of Lambton

- permission required to rehabilitate the existing bridge over Bear Creek on Brigden Road by;
  - remove existing tar and chip surface treatment from deck repair delaminated deck concrete asphalt and waterproofing system (90 mm total) as per OPSD 3906.02 and 3906.03;
  - remove existing expansion joint assembly, form and pour new blockout and place new joint seal;
  - remove existing curb saw cut and remove existing asphalt for new curb;
  - flush and re-line existing 300mm CSP storm drain;
  - replace missing gabion stone on slope above current waterlevel;
  - miscellaneous concrete repairs on abutment and wingwalls;
  - repair delaminated curb concrete; and
  - adjust existing catchbasin grates;
- sediment and erosion control measures will be implemented prior to the initiation of the works and be maintained for the entire work phase;
- staff permission issued June 14, 2013;

### **Application # 10758**

Wayne McMurphy

1978 Pantry School Road, Lot 32, Concession 9, Geographic Township of Dawn, County of Lambton

- permission required to construct an addition on the subject property, the proposed works include;
  - construction of a one storey 16 ft. by 24 ft. addition, with unfinished basement, onto the east facing side of the existing single family dwelling;
  - addition main floor elevation will match the existing dwelling main floor elevation, and the addition will have an 8 inch poured concrete foundation wall with new footings matching the existing footing heights;
  - the existing grade around the dwelling will be maintained, and the final grade elevation around the proposed addition will match existing grade elevations around the dwelling;
  - excess fill will be removed from site, and there will be no alterations to minimum lowest openings to the existing dwelling;
- staff permission issued June 3, 2013;

### **Application # 10760**

Corporation of the County of Lambton

Mandaumin Rd over the Crooked Creek, Lot 1, Concession 1, Geographic Township of Enniskillen, County of Lambton

- permission required to rehabilitate the Mandaumin Rd (CR26) Crooked Creek Bridge over the Crooked Creek by;

- the existing steel beam guiderail railing will be removed and replaced with new concrete curbs, parapet walls and railings;
- the tar and chip coating will be removed from the existing deck surface; the deck surface will have minor concrete repairs, it will be waterproofed and asphalt will be applied;
- all work will be performed from the deck surface with light to medium duty concrete breaking equipment;
- all work will follow the Department of Fisheries and Oceans (DFO) Operational Statement for Bridge Maintenance which includes measures for debris management;
- a temporary work platform will be supported from the existing structure, with no in-water footprint, to facilitate access as well as help prevent any debris from falling into the watercourse;
- the concrete formwork will be installed tight to the structure to prevent any excess concrete or concrete-laden water from entering the watercourse; and
- any granular materials will be stockpiled away from the banks of the course and/or secured with silt fence to prevent any material from entering the watercourse;
- sediment and erosion control measures will be implemented prior to the initiation of the works and be maintained for the entire work phase;
- staff permission issued June 4, 2013.

**Application # 10761**

Corporation of the County of Lambton

Churchill Line Over Brown Creek, Lot 20, Concession 6 SER, Geographic Township of Warwick, County of Lambton

- permission required to rehabilitate the Churchill Line / Brown Creek Bridge over Brown Creek by;
  - the existing concrete post, railings and curbs will be removed and replaced with a new concrete curb and parapet wall;
  - the existing deck surface will have minor concrete repairs, it will be waterproofed and asphalt will be applied;
  - the 4 existing deck drains will be replaced;
  - all work will be performed from the deck surface with light to medium duty concrete breaking equipment;
  - all work will follow the Department of Fisheries and Oceans (DFO) Operational Statement for Bridge Maintenance which includes measures for debris management;
  - a temporary work platform will be supported from the existing structure, with no in-water footprint, to facilitate access as well as help prevent any debris from falling into the watercourse; and
  - the concrete formwork will be installed tight to the structure to prevent any excess concrete or concrete-laden water from entering the watercourse.
- sediment and erosion control measures will be implemented prior to the initiation of the works and be maintained for the entire work phase;
- staff permission issued June 3, 2013.

**Application # 10762**

Corporation of the County of Lambton

Mandaumin Rd Over Black Creek, Lot 1, Concession 1, Geographic Township of Enniskillen,  
County of Lambton

- permission required to rehabilitate the Mandaumin Rd (CR26) Black Creek Bridge over Black Creek by;
  - the existing steel beam guiderail railing will be removed and replaced with a new concrete barrier wall and railing;
  - the existing deck surface will have minor concrete repairs, expansion joint re-sealing, it will be waterproofed and asphalt will be applied;
  - twelve new deck drains will be cored through the existing deck;
  - all work will be performed from the deck surface with light to medium duty concrete breaking equipment;
  - all work will follow the Department of Fisheries and Oceans (DFO) Operational Statement for Bridge Maintenance which includes measures for debris management;
  - a temporary work platform will be supported from the existing structure, with no in-water footprint, to facilitate access as well as help prevent any debris from falling into the watercourse; and
  - the concrete formwork will be installed tight to the structure to prevent any excess concrete or concrete-laden water from entering the watercourse;
- sediment and erosion control measures will be implemented prior to the initiation of the works and be maintained for the entire work phase;
- staff permission issued June 4, 2013.

**Application # 10765**

Cogeco Cable Canada LP

HDD crossing the Chanel Ecarte, Lot A, Concession 2 GORE, Geographic Township of  
Chatham, Municipality of Chatham-Kent

- permission required to undertake a horizontal directional drill crossing of the Chanel Ecarte in a location northwest of the intersection of Bluewater Line and Dufferin Avenue by;
  - install the pipe using the HDD method following the DFO operational statement (including emergency/contingency measures in the case of ‘fracturing’;
  - locate the drilling/exit points a minimum of 30 m from the water’s edge and the wetland boundary;
  - sediment fences are to be established between drilling/exit points and the watercourse;
  - pipe to be drilled a minimum of 3.0 m below the bed of the watercourse;
  - all excess material is to be removed from the construction site;
  - disturbed areas will be stabilize and returned to original condition or better; and
  - disturbed areas will be vegetated with native plants and seedling;
- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;

- staff permission issued June 28, 2013;

#### **Application # 10766**

Eric and Susan Allaer

4536 St. Clair Parkway, Lot E, Concession 6, Geographic Township of Sombra, County of Lambton

- permission required to construct an approximately 2710 square foot (~252 m<sup>2</sup>) two story single family dwelling with a crawl space and 750 square foot (~70 m<sup>2</sup>) attached double car garage on the subject property;
- the minimum opening elevation will be no lower than 177.30m (G.S.C.), and the final grade elevation around the building, will be completed as per Monteith and Sutherland Certified Lot Grading Plan;
- surface and subsurface drainage will be controlled as per Monteith and Sutherland Certified Lot Grading Plan within the subject property;
- floodproofing will be completed as per Thames Valley Engineering Report;
- excess fill if any will be removed from the site;
- staff permission issued June 4, 2013.

#### **Application # 10767**

Southwest Ag Partners

1504 Lambton Line, Lot 16, Concession 7, Geographic Township of Sombra, County of Lambton

- permission required to remove the old grain facility and build a new grain receiving system which would require the construction of new grain storage and conveyance structures;
- Stormwater Management Report completed by MTE, dated April 29, 2013, MTE File No.: 37995-100;
- Site Grading and Servicing Plan completed by MTE, Project; 1504 Lambton Line, Becher, Ontario, dated June 12, 2013, Project No. 37995-100, Drawing No. C2.1;
- construction drawings completed by MTE, Stratford Engineering Division, Project; South West Ag Expansion 2013, dated May 2013, Project No. 37995-200, Drawing No. S0.0, S1.0, S1.1, S1.2, S1.3;
- there will be no in-water works;
- all disturbed areas will be stabilized, and excess fill (if any) will be removed from the regulated area;
- engineering studies demonstrated that the control of flooding and erosion will not be adversely impacted by the proposed works;
- all sediment and erosion control measures will be installed prior to commencement of the works and be maintained until all disturbed areas have been rehabilitated to pre-construction conditions, at which time they will be removed;
- staff permission issued June 13, 2013.



**Application # 10768**

Jeff MacLay

245 Mill Pond Crescent, Lot 23, Concession 4 SER, Geographic Township of Adelaide,  
Municipality of Middlesex

- permission required to build a new accessory structure (garage) on the subject property;
- the proposed work will consist of the construction of an 18 ft. by 28 ft. (~504 sq. ft.) accessory structure located approximately 6 ft. north of the existing deck and 4 ft. from the east side lot line;
- excavated soil will not be placed within 15 metres of the wetland boundary, and excess soil will be removed from site;
- the structure will be built on a floating wire reinforced cement pad foundation. Surface drainage will be controlled via eave troughs that will outlet to well vegetated (grassed) areas and allowed to re infiltrate the soil (overall drainage patterns will be maintained);
- disturbances to natural vegetation will be avoided and disturbed areas and soil compaction will be minimized;
- all disturbed areas will be stabilized and returned to original condition or better;
- staff permission issued June 11, 2013.

**Application # 10769**

Tom and Penny Strifler

1700 Winton Road, Lot 59, Concession 9, Geographic Township of Sarnia, County of Lambton

- permission required to construct shoreline protection and a new single family dwelling;
- Armour Stone Revetment Site Plan and Sections, completed by Shoreplan Engineering Limited, Project Title: 1700 Winton Road, Sarnia, Shoreline Improvements, Project No. 12-1826, Sheet No. 01, dated April 2, 2013;
- the total building area (gross) for the new dwelling will be approximately 434.4 sq. m (~4676 sq. ft.);
- the proposed dwelling will be situated greater than 33 m from the bottom of the shoreline bank at its closest location, and outside the development setback with new shore protection and 3h:1v stable slope as determined by Shoreplan Engineering Ltd.;
- no grading changes will be required between the proposed dwelling and the shoreline slope, and all surface and subsurface drainage will be directed away from the shoreline bluff and handled as per Nesbit, Robertson Certified Lot Grading Plan.;
- excess fill will be hauled off site, and adequate maintenance access to the shoreline protection works will be provided on the subject property (5m development setback on west side lot line to be provided);
- shoreline protection construction is to be completed and confirmed in writing by the SCRCA and Shoreplan Engineering prior to the initiation of construction of the new dwelling;
- staff permission issued June 10, 2013.

### **Application # 10770**

Union Gas Limited

Lot 4, Concession 5, Geographic Township of Brooke, County of Lambton

- permission required to conduct an integrity dig to investigate an anomaly on the NPS 26 inch natural gas pipeline located east of the corner of Inwood Road and Courtright Line by;
- install a temporary culvert with a diameter of 122cm and approximately 7 metres in length after July 1, 2013 to access the site;
- the installation of the culvert will follow the Union Gas/DFO endorsed Generic Sediment Control Plan – Vehicle Crossing – Temporary Culvert;
- work in the dry by installing a sand bag coffer dam surrounding the work area if water is present;
- pump any ponded water and/or shallow groundwater out of the coffer dam to create dry work area, if needed. Water discharge from construction dewatering, will be passed through filter bags (located a minimum of 30 m from the adjacent watercourse), before release to an undisturbed vegetated area;
- conduct works during low water conditions;
- excavate and day-light a 15m long, 4m wide and 3m deep pipeline segment;
- spoil piles, within the work zone, will be at least a minimum of 30m from the nearby watercourse, and surrounded by silt fencing to minimize the potential for silt migration;
- contain the dig area a minimum of 40m from a watercourse;
- cleanup/restore and appropriately re-vegetate areas affected by construction (easement, working space and ROW); and
- upon completion no alterations to existing slopes of grade will have been made;
- all sediment and erosion control measures to be installed prior to commencement of the works and be maintained until all disturbed areas have been rehabilitated to pre-construction conditions, at which time they will be removed;
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, June 14, 2013;
- staff permission issued June 14, 2013.

### **Application # 10771**

Enbridge Pipelines Inc.

1010 Plank Road, Lot Block B, Concession 0, Geographic Township of Sarnia, County of Lambton

- permission required to complete integrity dig (pipeline 5 reducing tee inspection) by;
  - excavate the 30” by 20” tee area to approximately 16” below the tee/pipeline and clean the excavation with proper sloping;
  - the work area is approximately 10m East of the Unnamed Drain which runs down the East side of Indian Road;
  - sediment and erosion controls will be installed prior to starting construction, monitored during construction, and removed after construction;
  - dewatering is not expected, however if any groundwater/surface water is diverted from the work area, it will go through a filtration process (filter bag or bale system) and then into out onsite storm water system;

- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;
- staff permission issued June 14, 2013.

**Application # 10773**

Sawmill Creek Golf Resort and Spa

3790 Lakeshore Road, Lot 9, Concession 9, Geographic Township of Plympton, County of Lambton

- permission required for works undertaken to replace the retaining wall around the existing pond, wall was constructed by staking cement blocks in a subway pattern;
- the cement blocks are 60” long, 30” wide, and 30” high. The retaining wall is three to two blocks high and approximately 300 blocks were used to complete this project;
- the outlet through the dam on site has been opened which has lowered the Errol Creek and completely exposed the original limestone retaining wall;
- the area immediately adjacent to the working area was dry;
- the original limestone retaining wall has been removed;
- the blocks were placed on clay and were backfilled with the original soil. The blocks have filter cloth running under them and along the back all the way to the surface;
- a silt fence was used to separate the water from the construction site, and contained any silt and sediment from being transported downstream;
- after the back fill is complete the areas will be finished with a mixture of sod and hydro seed;
- staff permission issued June 24, 2013.

Recommended and approved by:

\_\_\_\_\_  
Dallas Cundick, Environmental Planner/Regulations Officer

\_\_\_\_\_  
Michelle Fletcher, Regulations and Natural Heritage Technician

\_\_\_\_\_  
Patty Hayman, Director of Planning

**ST. CLAIR REGION CONSERVATION AUTHORITY  
REGULATIONS ACTIVITY REPORT**

**July 31, 2013**

**TO: SCRCA Chair and Board of Directors**

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

**FROM: Dallas Cundick, Environmental Planner / Regulations Officer**

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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 July 1, 2013 to July 31, 2013.

**Application # 10774**

Union Gas Limited

Lot 12, Concession 7, Geographic Township of Brooke, County of Lambton

- permission required to conduct an integrity dig and install temporary culvert to investigate an anomaly on the NPS 26 inch natural gas pipeline located in the northwest corner of Ebenezer Road and Shiloh Line by;
  - the installation of the culvert will follow the submitted Stream Crossing Review (prepared by Union Gas June 2013) and the Union Gas/DFO endorsed Generic Sediment Control Plan – Dam and Pump Crossing (prepared by Union Gas January 2008);
  - silt fence and straw bales will be installed along the banks of the drain prior to the start of construction;
  - excavate and day-light an approx. 14m long, approx. 4m wide and approx. 2m deep pipeline segment;
  - spoil piles, within the work zone, will be at least a minimum of approx. 3m from the nearby watercourse, and surrounded by silt fencing to minimize the potential for silt migration;
  - backfill the excavated areas to bring them up to pre-construction grade;
  - upon completion no alterations to existing slopes of grade will have been made.
  - cleanup/restore and appropriately re-vegetate areas affected by construction (easement, working space and ROW); and
- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;
- staff permission issued July 16, 2013;

**Application # 10775**

Union Gas Limited

Highway 40, Lot 1, Concession 12, Municipality of Chatham-Kent

- permission required to replace 300m of the existing NPS 16 inch Panhandle natural gas pipeline;
- this will include replacing the existing aerial crossing of the NPS 16 inch pipeline to beneath the road and the watercourse which is within the SCRCA regulated area (floodplain and meander belt) on Highway 40;
- this will be done via a directional drill undercrossing of Townline Drain;
- the works will be conducted as per Stream Crossing Report to ensure that control of flooding and erosion are not adversely impacted;
- appropriate erosion and sediment control measures will be installed prior to initiation of the works and maintained until all works are complete to ensure that no silt, sediment and debris enters the watercourse;
- staff permission issued July 16, 2013.

**Application # 10776**

Rick O'Hara

5972 LaSalle Line, Lot 30, Concession 13, Geographic Township of Enniskillen, County of Lambton

- permission required to construct an addition onto the existing dwelling on the subject property;
- the proposed additions will include a house ground floor addition (764 sq. ft.), rear deck and front porch addition (310 sq. ft.) and an attached garage addition (676 sq. ft.);
- the proposed house addition will include construction of a 4 ft. crawl space (non-habitable) and the finished floor of the addition will be flush with the existing dwelling main floor elevation;
- there will be no alterations to the minimum lowest openings to the existing dwelling, and the grades around the proposed addition and garage will match the grades around the existing dwelling.
- staff permission issued July 2, 2013;

**Application # 10777**

Enbridge Pipelines Inc.

1010 Plank Road, Lot Blok B, Concession 0, Geographic Township of Sarnia, County of Lambton

- permission required to complete stormwater drainage system upgrades;
- the proposed changes to containment berms are needed to ensure adequate containment for a new storage tank (outside SCRCA regulated area)'
- report – Stormwater Management System: Permit Application for drainage plan modifications related to Enbridge Sarnia Terminal Expansion, Sarnia, Ontario, prepared by Novus Environmental Inc., Don Lewis M.A.Sc.Eng and Lucas Arnold M.A.Sc.Eng, Novus Reference No. 12-0286, Version No. 1, updated July 25, 2013;
- proposed berm volume calculations, prepared by Don Lewis (Novus), submitted July 25.

- control of flooding and erosion will not be adversely impacted by the proposed works;
- sediment and erosion control measures to be implemented prior to the initiation of the works and be maintained for the entire work phase;
- staff permission issued July 26, 2013;

**Application # 10778**

Wayne Nantais

1616 Bickford Line, Lot 14, Concession 1, Geographic Township of Moore, County of Lambton

- permission required to construct a new non-habitable accessory structure on the subject property.
- the proposed structure will be an approximately (48 ft. by 96 ft.) 15 m by 30 m pole barn style shed;
- it will be located directly north east of the existing 10 m by 15 m accessory structure on the subject property, and greater than 15 m (49 ft.) from the existing top of bank of the Scott Drain at its closest location;
- the existing grades will be maintained, and there will be no development, fill placement, grading changes or site alteration required between the proposed structure and the top of bank of the ravine system;
- drainage from the structure will be directed through east wall downspouts to a single 4” non-perforated plastic drain tile which will carry roof water to the ravine where it will exit the bank at a depth of 40” into rip-rap and field stone to dissipate velocity to control/mitigate erosion;
- there will be no in-water works;
- appropriate erosion and sediment control measures will be implemented to ensure that silt, sediment, and debris is contained and isolated and not transported to the watercourse; and;
- all disturbed areas will be stabilized upon completion of the works and returned to original condition or better, bank and natural vegetation disturbance will be limited, and any excess fill will be removed from the regulated area of the Authority;
- staff permission issued July 4, 2013;

**Application # 10779**

Ronald Brian Hansen

384 Northridge Place, Lot 14, Concession 11, Geographic Township of Enniskillen, County of Lambton

- permission required to construct an in-ground pool on the subject property;
- the pool will have dimensions 28 ft. long with an 8 ft. radius at one end and a 7 ft. radius at the other end;
- the pool will be located approximately 60 ft. (~18 m) from the top of bank of the ravine system associated with Bear Creek at its closest location;
- the In-ground pool will be located east of the existing dwelling;
- it is understood that no development/grading/site alterations/fill placement etc. will be completed within 15 m of the existing top of bank of the ravine system;
- the only time the pool will be drained will be for winterization or for repair, and it

- will be drained out through the municipal sewer system;
- all excess fill will be removed from site;
- staff permission issued July 8, 2013.

### **Application # 10780**

Jef Landon

3917 Tile Yard Road, Lot 12, Concession 9, Geographic Township of Enniskillen, County of Lambton

- permission required for works undertaken of the installation of a new foot bridge across Durham Creek;
- the bridge was constructed using two 6 ft. by 6 ft. beams across the creek with 2” by 4” and 2” by 6” lumber on the top surface;
- no alterations were made to the watercourse itself;
- the bridge bottom is approximately 4.5 ft. higher than the creek bottom with a measurement of 12 ft. across and 3 ft. wide. The bridge will be used for walking and hiking only;
- structure is to be properly anchored/removed during flooding events to ensure it is not moved/transported downstream and does not create a downstream blockage or flood risk;
- Regulations Committee permission issued July 17, 2013.

### **Application # 10782**

Paul Archer

3165 London Line, Lot 2, Concession 4, Geographic Township of Plympton, County of Lambton

- permission required to tear down the existing enclosed porch and replace it with a new enclosed covered porch;
- the addition will be approximately a 222 ft<sup>2</sup> one storey addition onto the existing 1,210 ft<sup>2</sup> single family dwelling;
- the addition will be less than 30% of the footprint of the existing dwelling;
- it will be located on the north side of the existing dwelling on the subject property;
- the new structure will be constructed no closer than 15 m from Paul Drain at its closest location;
- the addition will have a crawl space (no basement);
- minimum opening elevation of the addition will match existing main floor elevation of dwelling ;
- the existing grades will be maintained, and there will be no grading changes or excavations required between the proposed addition and the top of bank of the Paul Drain;
- staff permission issued July 9, 2013.

### **Application # 10783**

David Bolton

Katesville Drive, Lot 3, Concession 1, Geographic Township of Metcalfe, County of Middlesex

- permission required to replace and relocate the existing culvert at this crossing;
- replace the existing culvert (under agricultural crossing) of 10 ft. diameter and 15 ft.

- length with a 10 ft. diameter pipe 40 ft. in length;
- stone will be placed under the culvert and cement riprap will be placed on either end;
- open areas will be reseeded and covered with straw to prevent erosion;
- project is anticipated to take two days and will be completed between August – October 2013;
- plan to complete in no-flow or low-flow conditions after the adjacent crop of wheat has come off fields;
- no trees will be removed;
- no work in water other than to place stone and form channel in bottom;
- will use fill from old culvert plus additional fill existing on new site location;
- all sediment and erosion control measures to be installed prior to commencement of the works and be maintained until all disturbed areas have been rehabilitated to pre-construction conditions, at which time they will be removed.
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, July 10, 2013;
- staff permission issued July 10, 2013.

**Application # 10784**

Union Gas Limited

Lot 2, Concession 3, Geographic Township of Ekfrid, County of Middlesex

- permission required to install a 2” plastic 420 kPa main to service 2 new customers. The new pipeline will be approximately 650m in length and will be entirely within the SCRCA flood hazard. Installation will consist of a combination of directional drilling and plowing. The works will be conducted in the following way:
  - Stream Crossing
    - install the pipe using the HDD method following the DFO operational statement (including emergency/contingency measures in the case of ‘fracturing’);
    - locate the drilling/exit points a minimum of 4m from the water’s edge;
    - sediment fences are to be established between drilling/exit points and the watercourse;
    - pipe to be drilled a minimum of 1.2m below the bed of the watercourse;
    - all excess material is to be removed from the construction site;
  - Regulated Area (non-stream crossing)
    - installed new pipeline using a ‘plowing in’ method (similar to installing field tiles, machinery moves along using a to blade to slice the ground pulling the new pipe into the ground behind it);
    - excavations will only occur at the stream crossing and at the location where the newly installed pipe will tie-in to the existing gas main;
- all sediment and erosion control measures will be installed prior to commencement of the works and be maintained until all disturbed areas have been rehabilitated to pre-construction conditions, at which time they will be removed;
- staff permission issued July 24, 2013.



### **Application # 10785**

Ron and Sue Chartrand

Lot 7 St. Anthony Crescent, Lot 81, Concession WOLR, Geographic Township of Bosanquet, County of Lambton

- permission required to construct an approximately 2092 square foot (~194 m<sup>2</sup>) one story single family dwelling with an attached garage on the subject property;
- the proposed dwelling will be situated a minimum distance of 45 metres from the existing top of bank at its closest location (86.4 m from the bottom of the bank);
- no grading changes, excavations, site alterations, development, etc. will be completed between the proposed dwelling and the top of bank of the shoreline bluff;
- all surface and subsurface drainage will be directed away from the top of the bank as per certified lot grading plan completed by Nisbet, Robertson, and any excess fill will be taken off site.;
- staff permission issued July 18, 2013.

### **Application # 10789**

Shelley and Stan Adams

22542 Denfield Road, Lot 28, Concession 10, Geographic Township of London, Municipality of Middlesex Centre, County of Middlesex

- permission required to complete remediation works following unauthorized fill placement;
- the modifications/ remedial works undertaken at the subject property are in compliance with the conditions required as follows;
  - no further fill placement is to be completed on the property;
  - of the fill placed on-site to date, no fill is to be placed, or site alterations are to be completed, within the wetland boundary of the PSW;
  - non-clean fill must be removed from site;
  - disturbances to natural vegetation communities contributing to the hydrologic function of the wetland must be avoided;
  - no impact to existing trees, plants, etc.;
  - overall drainage patterns are to be maintained;
  - disturbed area and soil compaction must be minimized;
  - there must be no impervious area established as a result of fill placement and final grading works;
  - best management practices must be used to;
    - maintain water balance;
    - control sediment and erosion;
    - maintain or enhance as much of a wetland buffer as is feasibly possible;
      - 10 m setback from the wetland boundary for fill placement upon final grading;
  - excess Fill must be removed from the subject property;
  - disturbed areas must be stabilized and allowed to re-establish native vegetation;
- staff permission for remedial works issued July 19, 2013.

### **Application # 10791**

John and Lynn Fontaine

5611 Hubbard Line, Lot 26, Concession 14, Geographic Township of Plympton, County of Lambton

- permission required to construct a new single family dwelling (single storey with walkout basement and attached two car garage) on the subject property;
- Certified Lot Grading Plan and Plot Plan completed by Monteith and Sutherland Limited, Ontario Land Surveyors, dated June 21, 2013, File No: PLY-1187, Plan File No: F-6443-1, Titled: Part of Lot 26, Concession 14, Geographic Township of Plympton, Town of Plympton-Wyoming, County of Lambton;
- the lowest opening into the new dwelling will be at a minimum elevation of 203.19 m (G.S.C.) and the final grade elevation around the new dwelling will be at a minimum of 203.19 m (G.S.C.) for a horizontal distance of 2 metres;
- the access laneway will maintain a minimum elevation of 202.00 m (G.S.C.) along its entire length;
- surface and subsurface drainage will be controlled as per Certified Lot Grading Plan completed by Monteith and Sutherland Limited, and any excess fill will be removed from the property;
- disturbed areas will be stabilized and returned to original condition or better;
- no temporary topsoil/excavated fill storage is completed within 18 m of the edge of the watercourse;
- proper erosion and sediment control measures are to be installed prior to construction (to ensure that silt, sediment and debris is not transported to the watercourse) and maintained until all work is complete, at which time they will be removed;
- staff permission issued July 22, 2013.

### **Application # 10792**

John and Connie Holmes

253 French Line, Lot 3, Concession 8, Geographic Township of Sombra, County of Lambton

- permission required to construct a new pole barn style storage structure (detached structure);
- structure will be located directly west of the existing dwelling, and will be approximately 36 ft. by 40 ft. in dimension;
- accessory structure will have a cement floor with 15 ft. high peaks and limited electrical;
- the new structure will be constructed approximately 52 ft. (approx. 16 m) from the top of the bank of the watercourse at its closest location;
- the existing grades will be maintained, and there will be no grading changes, excavations, fill placement, site alteration, etc. completed between the proposed structure and the watercourse;
- drainage from the structure will be directed away from the bank of the watercourse to a well vegetated grassed area;
- disturbed areas will be stabilized; excess fill (if any) will be removed from the regulated area;
- staff permission issued July 22, 2013.

**Application # 10793**

Corporation of the County of Lambton

Mandaumin Rd over Bear Creek, Lot 1, Concession 8, Geographic Township of Enniskillen,  
County of Lambton

- permission required to rehabilitate the Mandaumin Rd (CR26) Bear Creek Bridge over Bear Creek including;
- the replacement of the steel railing with a new concrete parapet wall, concrete deck repairs, expansion joint re-sealing, deck waterproofing and hot-mix paving;
- all work will follow the Department of Fisheries and Oceans (DFO) Operational Statement for Bridge Maintenance which includes measures for debris management;
- a temporary work platform will be supported from the existing structure, with no in-water footprint, to facilitate access as well as help prevent any debris from falling into the watercourse; and
- the concrete formwork will be installed tight to the structure to prevent any excess concrete or concrete-laden water from entering the watercourse.
- all sediment and erosion control measures to be implemented prior to the initiation of the works and be maintained for the entire work phase.
- staff permission issued July 22, 2013.

**Application # 10795**

Union Gas Limited

McEvoy Road, Lot 16, Concession 9, Geographic Township of Caradoc, Municipality of  
Middlesex

- permission required to replace an approximate 100m section of the existing NPS 26 inch natural gas pipeline under the CN tracks near the corner of Walkers Road and McEvoy Road (outside of SCRCA regulated area);
- cross through SCRCA regulated area (floodplain) to access the dig site;
- stockpile topsoil, removed from the worksite, in the SCRCA regulated area;
- dewater the work site using sandpointing techniques and discharge the water into the Crawford Drain;
- use a straw bale “tub” to contain and filter the water before release into the drain;
- complete work within 3 to 4 weeks, beginning in September.
- all sediment and erosion control measures to be implemented prior to the initiation of the works and be maintained for the entire work phase.
- staff permission issued July 25, 2013.

Recommended and approved by:

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Dallas Cundick, Environmental Planner/Regulations Officer

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Michelle Fletcher, Regulations and Natural Heritage Technician

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Patty Hayman, Director of Planning

**ST. CLAIR REGION CONSERVATION AUTHORITY  
REGULATIONS ACTIVITY REPORT**

**August 31, 2013**

**TO: SCRCA Chair and Board of Directors**

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

**FROM: Dallas Cundick, Environmental Planner / Regulations Officer**

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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 August 1, 2013, to August 31, 2013.

**Application # 10772**

Shirley and James Thomson

2940 Huronview Drive, Lot 3, Concession 9, Geographic Township of Sarnia, County of Lambton

- permission required to construct a 2136 sq. ft. new single family dwelling on the subject property, (one storey family residence with basement and attached garage);
- certified Lot Grading Plan completed by Nisbet, Robertson, J.D. and T.M. Nisbet Inc., drawing number 12-201-GP, dated August 14, 2013, and drawings completed by TBOUMA Design and Drafting, Project No: 509-12, dated August 15, 2013;
- dwelling will be situated outside of the dynamic beach hazard setback (setback 45 m from the 178 contour) as per certified lot grading plan completed by Nisbet, Robertson, dated August 14, 2013;
- no grading changes, excavations, site alterations, development, etc. will be completed between the proposed dwelling and the top of bank of the shoreline bluff;
- surface and subsurface drainage will be controlled on the subject property and directed away from the top of the bank as per certified lot grading plan completed by Nisbet, Robertson, dated August 14, 2013;
- any excess fill will be taken off site;
- staff permission issued August 28, 2013.

**Application # 10787**

Paul and Barb Brockman

5430 Oak Avenue, Lot 71, Concession WOLR, Geographic Township of Bosanquet, Municipality of Lambton Shores, County of Lambton

- permission required construct an approximately 1787 square foot (~166 m<sup>2</sup>) two story single family dwelling with an attached double car garage and covered porch on the subject property;
- dwelling will be located landward of the existing dwelling to be demolished;

- dwelling will be situated a minimum distance of 20.4 metres from the existing top of bank at its closest location (closest point of the covered porch) as per the certified lot grading plan completed by Monteith and Sutherland;
- the septic system will be located landward of the proposed dwelling between the dwelling and Oak Avenue;
- no grading changes, excavations, site alterations, development, etc. will be completed between the proposed dwelling and the top of slope of the shoreline;
- excess fill will be removed from the site;
- final grade elevation around the building will be completed as per Monteith and Sutherland Certified Lot Grading Plan;
- surface and subsurface drainage will be controlled as per Monteith and Sutherland Certified Lot Grading Plan within the subject property;
- disturbed areas will be stabilized and returned to original condition or better.
- staff permission issued August 14, 2013.

**Application # 10790**

Richard and Sandra Gray

West Ward Line, Lot E, Concession 8, Geographic Township of Sombra, County of Middlesex

- permission required to construct an approximately 1675 square foot single family dwelling with a basement and attached double car garage on the subject property;
- the minimum lowest opening elevation will be no lower than 177.30m (G.S.C.), and the final grade elevation around the building will be at a minimum elevation of 177.3 m G.S.C. for a horizontal distance of 1.6 m;
- surface and subsurface drainage will be controlled as per Monteith and Sutherland Certified Lot Grading Plan within the subject property;
- floodproofing will be completed as per Y.C. Liu Engineering Report;
- excess fill if any will be removed from the site;
- staff permission issued August 2, 2013.

**Application # 10794**

Evan Lucas

6878 Petrolia Line, Lot 7, Concession 11, Geographic Township of Brooke, County of Lambton

- permission required to construct an addition onto the north facing side of the existing dwelling;
- addition will be constructed with a 4 ft. crawl space (non-habitable) and the finished floor of the addition will be flush with the existing dwelling main floor elevation;
- addition will have dimensions of approx. 14 ft. by 16 ft. and will be a one storey addition;
- there will be no alterations to the minimum lowest openings to the existing dwelling;
- grades around the proposed addition will match the grades around the existing dwelling;
- excess fill if any will be removed from site.
- staff permission issued August 2, 2013.

**Application # 10796**

Douglas Work

3965 Seaway Road, Lot E, Concession 9, Geographic Township of Sombra, County of Lambton

- permission required to complete routine maintenance dredging within the boat slip at the subject property;
- the area to be dredged is 75 ft. long, 6 ft. in width and 1-2 ft. in depth to original substrate depth;
- dredged material is not to be sidecast (material must be removed);
- dredge material is to be located above the ordinary high water mark and outside the regulated area of the Authority;
- proper sediment and erosion control measures are to be implemented prior to initiation of the works and maintained until the works are completed at which time they will be removed, to ensure that silt, fines, sediment etc. are contained and not transported downstream;
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, August 9, 2013;
- staff permission issued August 9, 2013.

**Application # 10797**

Phillip Smith

3947 Leeland Drive, Lot D, Concession 9, Geographic Township of Sombra, County of Lambton

- permission required to complete routine maintenance dredging within the channel at the subject location;
- the area to be dredged is approx. 300 ft. long, 30 ft. in width and 2-3 ft. in depth (to original substrate depth);
- dredged material is not to be sidecast (material must be removed);
- dredge material is located above the ordinary high water mark and outside the regulated area of the Authority;
- proper sediment and erosion control measures are to be implemented prior to initiation of the works and maintained until the works are completed at which time they will be removed, to ensure that silt, fines, sediment etc. are contained and not transported downstream;
- staff issued Letter of Advice on behalf of Department of Fisheries and Oceans, August 28, 2013;
- staff permission issued August 28, 2013.

**Application # 10798**

Peter and Dominique Merchant

5008 Egremont Road, Lot 20, Concession 8, Geographic Township of Plympton, County of Lambton

- permission required to tear down the existing single family dwelling and construct an approximately 1151 square foot single family dwelling on the subject property;
- the lowest opening into the proposed dwelling will be at an elevation no lower than 207.80 m (G.S.C.), and the final grade elevation around the dwelling will be at a minimum elevation of 207.80 m (G.S.C.) for a horizontal distance of 2 m;
- the grade elevation of the existing access driveway will be maintained;

- surface and subsurface drainage will be controlled as per J.D. & T.M. Nisbet Inc. certified lot grading plan within the subject property;
- excess fill will be removed from the property;
- staff permission issued August 14, 2013.

**Application # 10799**

Enbridge Pipelines Inc.

1010 Plank Road, Lot Block B, Concession 0, Geographic Township of Sarnia, County of Lambton

- permission required to replace an existing pig trap, associated concrete foundations, slabs, and supports on Line 8 at the Sarnia Terminal (Site);
- the work area is approximately 10 m from the Cole Drain along Plank Road;
- sediment and erosion control will be installed prior to starting constructions and be monitored during construction then removed after construction;
- sediment and erosion control measures will be in place on any stockpiled material;
- no alterations to the slope or grade are required;
- the site will be restored to its original, or better, condition upon completion of works;
- staff permission issued August 9, 2013.

**Application # 10800**

Corine Wagenaar

3847 St. Clair Parkway, Lot D, Concession 9, Geographic Township of Sombra, County of Lambton

- permission required to construct an in-ground pool on the subject property;
- the pool will have dimensions approximately 32 ft. long with a width of 16 ft.;
- the pool will be located approximately 40 ft. (~12m) from the top of the steel sheet wall associated with the St. Clair River at its closest location (outside flood hazard limit) as per drawing submitted with application on the Certified Lot Grading Plan completed by Nesbit, Robertson Inc., drawing number 12-143-GP;
- the In-ground pool will be located west of the existing dwelling;
- no development/grading/site alterations/fill placement etc. will be completed within the flood hazard limit;
- that floodproofing of electrical facilities to the elevation of 177.3 m is to be undertaken;
- pool site grading and drainage will be designed to prevent direct concentrated or channelized surface runoff from flowing directly toward the shoreline. Pool drainage will be directed away from the shoreline;
- staff permission issued August 28, 2013.

**Application # 10801**

Erie Shepard

2366 Sydenham Avenue, Lot 7, Concession 5, Geographic Township of Moore, County of Lambton

- permission required to construct a new non-habitable accessory structure (detached garage). The proposed garage will be approximately 16x24 ft. with a concrete floor;

- the new structure will be constructed greater than 100 ft. from Bear Creek at its closest location;
- the existing grades will be maintained, and there will be no grading changes or excavations required between the proposed addition and the top of bank of the Bear Creek; and
- the proposed structure will be within the 15m regulatory allowance on the erosion hazard, but will be at least 6m from the erosion hazard (9m into the 15m allowance) at its closest point.
- staff permission issued August 20, 2013.

### **Application # 10802**

Henry Marchand

11581 Grove Mills Line, Lot 5, Concession 9 GORE, Geographic Township of Camden,

Municipality of Chatham-Kent

- permission required to tear down the existing single family dwelling (~150m<sup>2</sup>) on the subject property and construct new one storey single family dwelling (~385m<sup>2</sup>) with a basement;
- all development (new dwelling and attached garage) and site alterations (fill placement, grading, excavation, etc.) will be completed greater than 15 m from the top of the bank of the valley slope associated with the Sydenham Riverine system at its closest location;
- lowest opening into the new dwelling will be at a minimum elevation of 186.05;
- the lowest minimum top of foundation elevation of the new dwelling will be 186.05 metres,
- the final grade elevation around the new dwelling will be above 186.99 m, except for around the eastern portion of the dwelling where the final grade elevation will be at a minimum of 185.91 m for a horizontal distance of 2 metres;
- the access driveway will be raised, surface and subsurface drainage will be controlled as per Y.C. Liu engineered plans, and any excess fill will be removed from the property;
- disturbed areas will be stabilized and returned to original condition or better;
- staff permission issued August 28, 2013.

### **Application # 10803**

David Cram and Elaine Brander

6294 Base Line, Geographic Township of Dover, Municipality of Chatham-Kent

- permission required to retire a 4 acre portion of an agricultural property, adjacent to the Chenal Ecarte;
- with the assistance of Ducks Unlimited this area will be planted in trees and an approximately 3600m<sup>2</sup> wetland will be created;
- all work will be conducted in the dry and will not be conducted during local rain events, storms or seasonal flooding;
- a minimum 25m undisturbed buffer is to be maintained between the work site and the drainage reservoir to the south; and
- that all disturbed areas of the work site are stabilized immediately and re-vegetated as



- soon as possible;
- staff permission issued August 26, 2013.

Recommended and approved by:

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Dallas Cundick, Environmental Planner/Regulations Officer

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Michelle Fletcher, Regulations and Natural Heritage Technician

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Patty Hayman, Director of Planning

**ST. CLAIR REGION CONSERVATION AUTHORITY  
REGULATIONS ACTIVITY REPORT – VIOLATIONS AND CORRECTIVE ACTIONS**

**August 31, 2013**

**TO: SCRCA Chair and Board of Directors**

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

**FROM: Dallas Cundick, Environmental Planner / Regulations Officer**

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A summary of staff activity related to Violations of 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, 2013 to August 31, 2013.

**FV #201213**

Ilderton Road, North Part Lot 1, Concession 8, Geographic Township of Lobo, County of Middlesex

- subject property is an agricultural zoned property that was recently purchased by neighbouring cattle farmers;
- the majority of the 50 acre parcel is low lying lands that are identified as a PSW, and there is about 10 acres of elevated table lands.
- the CA was notified that the landowner began to remove vegetation within a PSW
- staff visited the site on July 9th and confirmed that vegetation removal and disturbance of the wetland had occurred and spoke with landowner about the removals. He indicated that vegetation was being removed to complete the replacement of the old perimeter fence line on the property. Staff asked for work to be stopped at that time until a further assessment could take place;

- staff of the SCRCA met with landowners and their consultant on site July 24th;
- consultant submitted plans on the landowners behalf outlining the proposed works required to replace the old perimeter fenceline;
- staff of the SCRCA reviewed the proposed works and determined that interference to the hydrological function of the wetland will not occur if certain additional mitigation measures and best management practices are implemented, the key mitigation measures outlined in a letter sent to the landowner August 9, 2012 include:
  - the maximum extent of vegetation removal is 20 ft. (6 m) from the property boundary for the footprint of the fence posts and the fenceline;
  - vegetation removal is limited to the perimeter of the subject property and is not carried out anywhere else within the wetland boundary;
- August 16, 2012 Authority staff completed inspection of the works to review for compliance with the agreed upon conditions;
- as a result of that inspection, Authority staff determined that vegetation removal in excess of the agreed upon maximum extent of vegetation removal permitted was completed on the subject property;
- mass clearing of wetland vegetation had occurred on the property within the low lying areas outside the agreed upon 6 metre limit of vegetation removal;
- the Authority’s regulation under section 5, “Alterations Prohibited” states “.....no person shall.....interfere in any way with a wetland”. Upon further investigation, Authority staff have concluded that mass clearing of wetland vegetation constitutes an interference with a wetland;
- interference in any way is interpreted as:
  - *“any anthropogenic act or instance which hinders, disrupts, degrades or impedes in any way the natural features of hydrologic and ecologic functions of a wetland”* (March 2008, Draft Guidelines to Support Conversation Authority Administration of the “Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation”, prepared by Ministry of Natural Resources/Conservation Authority Section 28 Peer Review and Implementation Committee.);
- Notice of Violation Letter sent September 7, 2012;
- Notice of Violation Form sent September 7, 2012;
- Notice of Violation Follow Up Letter sent September 7, 2012;
  - letter stated that the Authority requires the proponent cease any further unauthorized vegetation removal and contact the Authority immediately to advise of the measures they propose to remedy the situation. The Authority’s goal is to remediate the unauthorized vegetation removal, and therefore asks for voluntary restoration.
- if landowner fails to comply with this request, the Conservation Authority can review its legal options with respect to the site, including but not limited to prosecution;
- September 17, 2012, consultant sent letter of behalf of the landowners to inform the Authority that they will cease any further vegetation removal, and they will allow the cleared wetland vegetation to naturally restore itself;
- Authority staff continue to monitor the site;
- week of August 5, 2013, SCRCA staff noticed that cattle grazing the site;

- appeared to be 5 – 6 head;
- staff have not formally notified the owner that the cleared wetland vegetation has naturally restored itself;
- staff to monitor site, 5-6 head of cattle may not impact wetland vegetation to extent to cause interference with a wetland;
  - However, improper density (40-50 head of cattle) may greatly impact wetland;
- staff to monitor the site regularly to review impacts of cattle grazing on the wetland over time;

**FV 201215**

6332 William Street, Lot Ipperwash, Concession Front, Geographic Township of Bosanquet, County of Lambton

- conducted site investigation September 26, 2012;
- unauthorized shoreline protection works along the Lake Huron Shoreline on the subject property had occurred in violation of Section 28 of the *Conservation Authorities Act*, as landowner did not apply or receive approval to carry out these works;
- Notice of Violation Letter sent to landowner and contractor September 27, 2012;
- Notice of Violation Form sent to landowner and contractor September 27, 2012;
- landowner contacted the Authority to discuss options for measures to remedy the situation on October 12, 2012;
- Authority staff continue to review all issues in the West Ipperwash Beach area in detail and will be advising the interested parties in the area;
- Authority staff to move forward with setting up on-site meeting with landowner to discuss beach dynamics and process going forward;

**FV 201216**

2894 Old Lakeshore Road, Lot 4, Concession 9, Geographic Township of Sarnia, County of Lambton

- 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 *Conservation Authorities Act*, as landowner did not apply or receive approval to carry out these works;
- Notice of Violation Letter sent to agent (son of landowner) September 27, 2012;
- Notice of Violation Form sent to agent (son of landowner) September 27, 2012;
- 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;
- formal letter outlining Authority requirements sent March 13, 2013;
- 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.;

#### **FV 201304**

4427 VanderWal Drive, Lot 15, Concession 12, Geographic Township of Enniskillen, County of Lambton

- conducted site investigation April 25, 2013;
- unauthorized construction of an accessory structure occurred on the subject property in violation of Section 28 of the *Conservation Authorities Act*, as landowner did not apply or receive approval to carry out these works;
- Notice of Violation Letter sent to landowner May 8, 2013;
- Notice of Violation Form sent to landowner May 8, 2013;
- Landowner called to discuss with Authority staff measures to remedy the situation;
- landowner was of the opinion that the structure was over two years old and therefore the Authority does not have the ability to proceed with legal options;
- *Conservation Authorities Act* stipulates;
  - ***Limitation for proceeding***
  - *(16.1) A proceeding with respect to an offence under subsection (16) shall not be commenced more than two years from the earliest of the day on which evidence of the offence is discovered or first comes to the attention of officers appointed under clause (1) (d) or persons appointed under clause (1) (e). 2010, c. 16, Sched. 10, s. 1 (3).*
- Authority has not received information from the landowner as to the measures proposed to remedy the situation;
- Authority staff to re-iterate that if fail to comply with request to remedy the situation, the Conservation Authority will review its legal options with respect to the site, including but not limited to prosecution;
- landowner contacted the SCRCA on Monday August 26, 2013 to arrange site visit to discuss requirements of the SCRCA to remedy the situation;
- staff of the SCRCA to complete site visit week of September 3, 2013;

Recommended and approved by:

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Dallas Cundick, Environmental Planner/Regulations Officer

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Michelle Fletcher, Regulations and Natural Heritage Technician

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Patty Hayman, Director of Planning

**SCRCA Monthly Planning Activity Summary**

2013 June

11.(ii)

| <b>File Ref.</b>      | <b>Municipality</b> | <b>Geographic Twp.</b> | <b>Concession</b> | <b>Lot</b> | <b>Street</b>      |
|-----------------------|---------------------|------------------------|-------------------|------------|--------------------|
| SEV B02/13            | ADELAIDE-METCALFE   | ADELAIDE               | CON 4 SER         | LOT 19     | NAPPERTON DRIVE    |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 8             | LOT 4      | INWOOD ROAD        |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 6             | LOT 4      | JAMES STREET       |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 3             | LOT 13     | LASALLE LINE       |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 8             | LOT 2      | ROKEBY LINE        |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 5             | LOT 3      | INWOOD ROAD        |
| FI 2013               | BROOKE-ALVINSTON    | BROOKE                 | CON 2             | LOT 2      | OIL SPRINGS LINE   |
| FI 2013               | CHATHAM-KENT        | DOVER                  | CON 13            | LOT 11     | ALLEN ROAD         |
| FI 2013               | CHATHAM-KENT        | DOVER                  | CON 13            | LOT 24     |                    |
| FI 2013               | DAWN-EUPHEMIA       | DAWN                   | CON 8             | LOT 16     | LAMBTON LINE       |
| FI 2013               | DAWN-EUPHEMIA       | DAWN                   | CON 1             | LOT 16     | DAWN VALLEY ROAD   |
| FI 2013               | ENNISKILLEN         | ENNISKILLEN            | CON 8             | LOT 8      | ROKEBY LINE        |
| FI 2013               | ENNISKILLEN         | ENNISKILLEN            | CON 6             | LOT 16     | OIL HERITAGE ROAD  |
| FI 2013               | LAMBTON SHORES      | BOSANQUET              | CON 19            | LOT 6      | WEST PARKWAY DRIVE |
| FI 2013               | MIDDLESEX CENTRE    | LOBO                   | CON 8             | LOT 4      | BARCLAY BLVD.      |
| SUB 39T-<br>VAR A6/13 | MIDDLESEX CENTRE    | LONDON                 | CON 10            | LOT 25     |                    |
| FI 2013               | MIDDLESEX CENTRE    | LOBO                   | CON 8             | LOT 4      | BARCLAY BLVD.      |
| FI 2013               | PETROLIA            | ENNISKILLEN            | CON 12            | LOT 14     | FIRST AVE          |
| FI 2013               | PLYMPTON-WYOMING    | PLYMPTON               | CON FRONT         | LOT 49     | COMMODORE ROAD     |
| FI 2013               | PLYMPTON-WYOMING    | PLYMPTON               | CON FRONT         | LOT 39     | BLUE POINT DRIVE   |
| FI 2013               | PLYMPTON-WYOMING    | PLYMPTON               | CON FRONT         | LOT 5      | DOUGLAS STREET     |
| EA 04 2013            | SARNIA              | SARNIA                 | R 4               | LOT 9      | HIGHWAY 40         |
| FI 10769              | SARNIA              | SARNIA                 | CON 9             | LOT 59     | WINTON ROAD        |
| FI 2013               | SARNIA              | SARNIA                 | CON 9             | LOT 54     | HAIGHT LANE        |
| FI 2013               | SARNIA              | SARNIA                 | CON 9             | LOT 25     | LAKESHORE ROAD     |
| SUB 38T-<br>FI 2013   | ST. CLAIR           | SOMBRA                 | CON 9             | LOT D      | ST. CLAIR PARKWAY  |
| LL 2013               | STRATHROY-CARADOC   | CARADOC                | CON 10            | LOT 11     | ENGLISH STREET     |
| LL 2013               | STRATHROY-CARADOC   | CARADOC                | CON 4             | LOT 2      | CENTURY DRIVE      |
| LL 2013               | STRATHROY-CARADOC   | CARADOC                | CON 6             | LOT 3      | INDALE DRIVE       |
| LL 2013               | STRATHROY-CARADOC   | CARADOC                | CON 10            | LOT 3      | CALVERT DRIVE      |
| LL 2013               | STRATHROY-CARADOC   | CARADOC                | CON 4             | LOT 16     | MCEVOY ROAD        |
| EA -05-2013           | WARWICK             | WARWICK                | CON 2 SER         | LOT 7      |                    |
| FI 2013               | WARWICK             | WARWICK                | CON 1 NER         | LOT 10     | EGREMONT ROAD      |

**SCRCA Monthly Planning Activity Summary**

2013 July

| <b>File Ref.</b> | <b>Municipality</b> | <b>Geographic Twp.</b> | <b>Concession</b> | <b>Lot</b> | <b>Street</b>      |
|------------------|---------------------|------------------------|-------------------|------------|--------------------|
| FI 2013          | ADELAIDE-METCALFE   | METCALFE               | CON 5             | LOT 5      | MELWOOD DRIVE      |
| FI 2013          | ADELAIDE-METCALFE   | ADELAIDE               | CON 2 SER         | LOT 27     | DOLPHIN ROAD       |
| GI 2013          | ADELAIDE-METCALFE   | ADELAIDE               | CON 4 SER         | LOT 24     | METCALFE STREET E. |
| OPA 09           | ADELAIDE-METCALFE   | ADELAIDE               | CON 5 SER         | LOT 7      | MCKENZIE STREET    |
| OP               | CHATHAM-KENT        | CHATHAM                | CON 1             | LOT 1      | MUNICIPAL WIDE     |

**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 Assessment  
SUB - Subdivision Plans

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

FI - Regulations (Fill) Inquiry  
NM - Nutrient Management  
PTTW - Permit to Take Water  
SPA - Site Plan Amendments

|             |                   |             |            |        |                  |
|-------------|-------------------|-------------|------------|--------|------------------|
| ZBA 2013    | CHATHAM-KENT      | CHATHAM     | CON 1 GORE | LOT 3  | DUFFERIN AVENUE  |
| FI 2013     | DAWN-EUPHEMIA     | DAWN        | CON 2      | LOT 26 | CUTHBERT ROAD    |
| FI 2013     | ENNISKILLEN       | ENNISKILLEN | CON 6      | LOT 25 | SHILOH LINE      |
| FI 2013     | ENNISKILLEN       | ENNISKILLEN | CON 10     | LOT 8  | PETROLIA LINE    |
| LL 2013     | MIDDLESEX CENTRE  | LONDON      | CON 11     | LOT 27 | TWELVE MILE ROAD |
| OPA AND ZBA | MIDDLESEX CENTRE  | LOBO        | CON 8      | LOT 8  |                  |
| FI 2013     | PETROLIA          | ENNISKILLEN | CON 10     | LOT 12 | PRINCESS AVE     |
| FI 2013     | PETROLIA          | ENNISKILLEN | CON 11     | LOT 14 | PETROLIA LINE    |
| FI 2013     | PLYMPTON-WYOMING  | PLYMPTON    | CON FRONT  | LOT 8  | DEVONSHIRE ROAD  |
| FI 2013     | PLYMPTON-WYOMING  | PLYMPTON    | CON FRONT  | LOT 7  | DANA STREET      |
| FI 2013     | PLYMPTON-WYOMING  | PLYMPTON    | CON FRONT  | LOT 39 | BLUE POINT DRIVE |
| LL 2013     | PLYMPTON-WYOMING  | PLYMPTON    | CON 10     | LOT 7  | QUEEN STREET     |
| SEV B13/13  | PLYMPTON-WYOMING  | PLYMPTON    | CON FRONT  | LOT 48 | HILLSBORO ROAD   |
| VAR A05/13  | PLYMPTON-WYOMING  | PLYMPTON    | CON 7      | LOT 20 | EGREMONT ROAD    |
| VARR A04/13 | PLYMPTON-WYOMING  | PLYMPTON    | CON FRONT  | LOT 51 | HILLSBORO ROAD   |
| FI 2013     | SARNIA            | SARNIA      | 0          | BLOCK  | INDIAN ROAD      |
| LL 2013     | SARNIA            | SARNIA      | CON 9      | LOT 26 | HURON LANDING    |
| SEV B3/13   | SARNIA            | SARNIA      | R 4        | LOT 10 | KENNY STREET     |
| FI 2013     | ST. CLAIR         | MOORE       | CON 11     | LOT 4  | PETROLIA LINE    |
| FI 2013     | ST. CLAIR         | SOMBRA      | CON 5      | LOT 29 | KENT LINE        |
| FI 2013     | ST. CLAIR         | MOORE       | CON 9      | LOT 1  | PLANK ROAD       |
| FI 2013     | STRATHROY-CARADOC | CARADOC     | CON 5      | LOT 3  | OLDE DRIVE       |
| SUB 39T-    | STRATHROY-CARADOC | ADELAIDE    | CON 3 SER  | LOT 24 | SECOND STREET    |
| GI 2013     | SW MIDDLESEX      | EKFRID      | CON 3      | LOT 2  | FALCONBRIDGE     |
| FI 2013     | WARWICK           | WARWICK     | CON 6 NER  | LOT 6  | ELARTON ROAD     |
| LL 2013     | WARWICK           | WARWICK     | CON 8 NER  | LOT 3  | MACHENRY STREET  |
| SEV B06/13  | WARWICK           | WARWICK     | CON 8 NER  | LOT 3  | MACKENZIE STREET |

## SCRCA Monthly Planning Activity Summary 2013 August

| <i>File Ref.</i> | <i>Municipality</i> | <i>Geographic Twp.</i> | <i>Concession</i> | <i>Lot</i> | <i>Street</i>       |
|------------------|---------------------|------------------------|-------------------|------------|---------------------|
| EA 09 2013       | ADELAIDE-METCALFE   | ADELAIDE               | CON 5 SER         | LOT 5      |                     |
| LL 2013          | CHATHAM-KENT        | CHATHAM                | CON 2 GORE        | LOT 13     | WALLACE STREET      |
| LL 2013          | LAMBTON SHORES      | BOSANQUET              | CON 19            | LOT 1      | EAST PARKWAY DRIVE  |
| VAR A9/13        | MIDDLESEX CENTRE    | SOMBRA                 | CON 13            | LOT 14     | BABY ROAD           |
| FI 2013          | PLYMPTON-WYOMING    | PLYMPTON               | CON FRONT         | LOT 49     | THE MOORINGS CIRCLE |
| FI 2013          | PLYMPTON-WYOMING    | PLYMPTON               | CON 3             | LOT 13     | CONFEDERATION LINE  |
| FI 2013          | PLYMPTON-WYOMING    | PLYMPTON               | CON FRONT         | LOT 40     | LAMBTON LINE        |
| SEV B15/13       | PLYMPTON-WYOMING    | PLYMPTON               | CON 4             | LOT 10     | CAMLACHIE ROAD      |
| SUB 38T-         | PT. EDWARD          | SARNIA                 | 0                 | LOT 69     |                     |
| EA 08 2013       | SARNIA              | SARNIA                 | CON 6             | LOT 12     | LONDON LINE         |
| FI 2013          | SARNIA              | SARNIA                 | CON 9             | LOT 14     | OLD LAKESHORE ROAD  |
| LL 2013          | SARNIA              | SARNIA                 | 0                 | BLOCK      | KIPLING             |
| LL 2013          | SARNIA              | SARNIA                 | 0                 | BLOCK      | HAMPTON AVE         |
| SUB 2013         | SARNIA              | SARNIA                 | CON 9             | LOT 8      |                     |

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NM - Nutrient Management  
PTTW - Permit to Take Water  
SPA - Site Plan Amendments

|            |                   |          |           |        |                   |
|------------|-------------------|----------|-----------|--------|-------------------|
| FI 2013    | ST. CLAIR         | SOMBRA   | CON 5     | LOT D  | ST. CLAIR PARKWAY |
| FI 2013    | ST. CLAIR         | SOMBRA   | CON 5     | LOT 16 | KIMBALL ROAD      |
| FI 2013    | ST. CLAIR         | MOORE    | CON 6     | LOT 7  | MOORE LINE        |
| FI 2013    | ST. CLAIR         | SOMBRA   | CON 12    | LOT 27 | BENTPATH ROAD     |
| FI 2013    | ST. CLAIR         | MOORE    | CON FRONT | LOT 30 | ST. CLAIR PARKWAY |
| FI 2013    | ST. CLAIR         | MOORE    | CON 5     | LOT 28 | COURTRIGHT LINE   |
| LL 2013    | ST. CLAIR         | MOORE    | CON FRONT | LOT 62 | MURRAY STREET     |
| LL 2013    | ST. CLAIR         | MOORE    | CON FRONT | LOT 59 | CAMERON STREET    |
| SEV B05/13 | ST. CLAIR         | SOMBRA   | CON 10    | LOT C  |                   |
| LL 2013    | STRATHROY-CARADOC | ADELAIDE | CON 4 SER | LOT 23 | LAMORE CRES       |
| SEV 10/13  | STRATHROY-CARADOC | CARADOC  | CON 10    | LOT 7  |                   |
| SEV B13/13 | STRATHROY-CARADOC | CARADOC  | CON 4     | LOT 20 | CENTURY DRIVE     |
| VAR A12/13 | STRATHROY-CARADOC | ADELAIDE | CON 4 SER | LOT 22 | VICTORIA STREET   |
| LL 2013    | SW MIDDLESEX      | MOSA     | CON 9     | LOT 4  | BUTTONWOOD DRIVE  |
| SEV B1/13  | SW MIDDLESEX      | MOSA     | CON 2     | LOT 18 | WELLINGTON STREET |

## Meetings

June 5 – Grogast Plan of Subdivision (2<sup>nd</sup> Pre-consultation), Adel-Metcalf @ County bldg. – PH, LN  
June 10 – Meeting to Discuss Suncor Pump House Modifications at SCRCA – D.C.  
June 10 – OMB Hearing Jackson/Zavitz, @ Midd Ctre observer re Reg/wetland – PH  
June 12-14 – CACIS Conference – A.S. and C.D.  
June 12 – Walpole Island First Nation Chief and Council Meeting – C.L.  
June 20 – SWP municipal implementation workshop #3 re Planning/Inspector duties @ Wallaceburg – PH, CT  
June 21 – DART Presentation for Lambton Clerks at Council Chambers – D.C.  
June 25 – CRIC Outreach and Education Committee Meeting @ Aamjiwnaang First Nation – C.L., R.B., D.S.  
July 3 – Regulations Committee Meeting – D.C. P.H. M.F. B.M.  
July 10 – Staff Regulations Review Rural Floodplain – B.M. G.S. M.F. P.H. D.C.  
July 16 – Meeting at Strathroy Town Hall Re; Lot 3 Metcalfe Street R Henshaw– D.C. P.H.  
July 16 – OT document mgt proposal – PH, CD, BM TP  
July 17 – mtg SCRCA admin office re: Regs/Zoning M Hoefnagel – PH  
July 17 – 3D DEM Workshop ni Mississauga – C.D.  
July 18 – C-K Plans/Studies Database Strategies Conference Call – C.D.  
July 19 – SARA process meeting with D. Balint (DFO) – M.F. K.S. D.C. E.C. M.A.  
July 25 – Binational Public Advisory Council Meeting – C.L.  
July 29 – DART Review Process to Date and Update to move forward– B.M D.C. P.H. M.F. E.C. M.A. K.S  
August 1 – Enniskillen Reg Mapping with Twp of Enniskillen/D. McTavish/W. Nywening – B.M. P.H. D.C.. C.D.  
August 7 – NOVA 2020 Project, in Sarnia – D.C.  
August 7 – Aamjiwnaang First Nation Environment Committee Meeting – C.L.  
August 8 – Aamjiwnaang First Nation Chief and Council Meeting – C.L.  
August 8(am) – Start up mtg; field work for Baird, site specific dynamic beach study/J. OGrodnick, P. Eng. – PH,DC  
August 8(pm) – Planning pre-cosult mtg Brights Grove golf course development @Sarnia city hall – PH, DC  
August 14 – Sediment Management Options Meeting @ Suncor, Sarnia – C.L., B.M.  
August 22 – Regulations Committee Meeting – B.M. P.H. M.F. D.C.  
August 28 – NOVA 2020 Project at SCRCA – D.C. G.S.

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NM - Nutrient Management  
PTTW- Permit to Take Water  
SPA - Site Plan Amendments



# Staff Report

11.(iii)



To: Board of Directors  
Date: 26 August 2013  
From: Patty Hayman, Director of Planning  
Muriel Andreae, Senior Biologist  
Erin Carroll, Aquatic Biologist  
Brian McDougall, General Manager  
Subject: DART Cost Recovery

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## **BACKGROUND**

### EXPLANATION OF DART

Under the Drainage Act, municipalities are legislated to maintain and repair drains and to respond to petitions for new drainage systems. At the same time, under Section 28 of the Conservation Authorities Act, Conservation Authorities (CAs) regulate development in or adjacent to watercourses, wetlands, the shoreline of the Great Lakes-St. Lawrence River System or inland lakes, river or stream valleys, hazardous lands and other areas where, in the opinion of the Minister, development should be prohibited or regulated or should require the permission of the authority. A conservation authority may grant permission for development if, in the opinion of the authority, the control of flooding<sup>i</sup>, erosion<sup>ii</sup>, dynamic beaches<sup>iii</sup>, pollution<sup>iv</sup> or the conservation of land<sup>v</sup> is not affected. CAs also regulate activities that change, divert, or interfere in any way with the existing channel of a river, creek, stream or watercourse, or that change or interfere in any way with a wetland.

With the approval of the provincial “Generic Regulation” in 2006 for all Conservation Authorities (CAs), all CA Regulations were updated to ensure conformity of wording and complement municipal implementation of provincial policies under the Planning Act such as hazardous lands and wetlands. The clarification and wording update in the “Generic Regulation” meant open municipal drains met the definition of a watercourse as defined in the Conservation Authorities Act and therefore fall under the regulatory authority of conservation authorities. Since 2006/2007, the CA’s along with other provincial organizations formed DART, a Drainage Act and Regulation Team, to streamline approval processes for drain maintenance and repair. In April 2013 the Board authorized staff to utilize the provincially accepted and approved DART protocol with the direction for staff to monitor staff requirements to implement the protocol and provide recommendations on appropriate cost recovery options.

The protocol only addresses the maintenance and repair of drains as required by the Drainage Act and does not address issues around new drains and improvements to existing drains. It also does not apply to permissions under the federal Fisheries Act or the Ontario Endangered Species Act in any other respects. Other items, such as new construction were to be the subject of a further protocol to be developed by the DART Committee (DART II).

## Drainage Act and Conservation Authorities Act Protocol

Protocol for Municipalities and Conservation Authorities  
in Drain Maintenance and Repair Activities



ontario.ca



At the April 2013 Board meeting, the following motion was passed:

**BD-13-059**

**Burrell - Miller**

**That the SCRCA approves the use of the DART Protocol as distributed by MNR, OMAF and Conservation Ontario on January 14 2013 for Municipal Drain maintenance projects submitted after May 31, 2013 within watercourses regulated by the SCRCA under C.A. Act Regulation 171/06, and further requests that staff prepare recommendations by September 2013 to address staff needs and cost recovery for same.**

### PROPOSAL

#### Cost Recovery for Drain Reviews under DART

With over 5000 km of drains in our watershed, the SCRCA is directing considerable resources toward implementing the DART protocol, which relates to Section 28 Conservation Authorities Act “Development, Interference with Wetlands & Alterations to Shorelines & Watercourses”). This is in addition to resources allocated to Section 38 Fisheries Act fish habitat review, as per the DFO/SCRCA Level II agreement.

Since starting to implement the DART protocol in June, we have found the process of reviewing the drain maintenance and repair proposals with respect to giving permission under Section 28 of the Conservation Authorities Act adds significantly to staff workload. Screening notification forms, ensuring notification forms are signed, issuing Standard Compliance Requirements (SCRs), tracking/filing documents and conducting site visits (for a small percentage of projects) has added about 20 hours per week to the Authority workload. To minimize administrative costs, we propose fees be billed to municipalities twice annually.

In a typical year we expect from 100 to 200 notification forms will be submitted for DART review. For the majority of the drain maintenance and repair applications Standard Compliance Requirements (SCRs) can be issued. For each SCR issued, a “minor works” category review fee would be charged.

Drain maintenance and repair **within regulated wetland limits** will fall within the major works category. Only one application of this type has been received this year. The application to maintain the drain within the wetland was eventually withdrawn. We predict that very few major works will be reviewed under the DART protocol in any given year.

In order to recover costs associated with implementing the DART protocol, staff recommend implementation of a fee schedule as follows:

- |               |           |
|---------------|-----------|
| ○ Minor works | \$ 200.00 |
| ○ Major works | \$ 600.00 |

Neighboring Conservation Authorities have implemented cost recovery via updates to their 2013 fee schedules.

**2013 Municipal Drain Review Cost Recovery**

| <b>Conservation Authority</b>             | <b>Minor</b> | <b>Major</b> |
|---|--------------|--------------|
| Essex Region Conservation Authority       | \$115.00     | \$800.00     |
| Upper Thames River Conservation Authority | \$100.00     | \$500.00     |

Drainage superintendents will be advised of the fee before proposed implementation in 2014. Similar to Fish Habitat and Regulations Review, DART Drain review and input activity will be presented at the Full Board of Directors meetings.

**RECOMMENDATION**

That the Board of Directors approves the cost recovery proposal, dated August 26, 2013, for implementing the DART protocol, as approved by the Board of Directors April 18, 2013 and that notice be provided to the drainage superintendents and further, that the proposed fees be included in the Fee Schedule to be presented at the November Board meeting.

***Definitions and Regulations staff comment:***

---

<sup>i</sup> **Flooding**: the inundation of areas adjacent to a shoreline or a river or stream system and not ordinarily covered by water. In Ontario, the extent of the flood hazard is either a storm-centred event (Hurricane Hazel) or flood frequency based event (100 year flood) or an observed event.

Staff comment: SCRCA utilizes the storm-centred (Hazel); exception Perch Creek (100 year due to Lake Wawanosh/Telfer Diversion). Generally, flooding is not an issue with drain maintenance/repair as works would improve upon an existing flow situation. Culvert and bridge design follow standard requirements recognized by Provincial, Municipal and Conservation Authority engineers.

<sup>ii</sup> **Erosion**: the loss of land, due to human or natural processes, that poses a threat to life and property.

Staff comment: Drainage superintendants and inspectors follow standard erosion protection measures accepted in the agricultural drainage profession. While the Conservation Authority advocates minimal soil movement and erosion, the Regulation is directed to erosion that poses a threat to life and property. Municipal drainage repair/maintenance does not qualify as such.

<sup>iii</sup> **Dynamic Beaches**: are areas of inherently unstable accumulations of shoreline sediments along the Great Lakes – St. Lawrence River System and large inland lakes, as identified by provincial standards.

Staff comment : the dynamic beaches in SCRCA are Ipperwash Beach and Sarnia ie Canatara beach area, of which, municipal drainage is not an issue. No conflicts would occur here.

<sup>iv</sup> **Pollution**: any deleterious physical substance or other contaminant that has the potential to be generated by “development”

Staff comment: “Development” as defined under the CA Regulation is : a) construction, reconstruction, erection or placing of a building or structure of any kind, b) any change to a building or structure that would have the effect of altering use or potential use of building, increasing the size or increasing the number of dwelling units in the building or structure c) site grading d) temporary or permanent placing, dumping or removal of any material, originating on the site or elsewhere.

<sup>v</sup> **Conservation of Land**: “Conservation of Land” has never been defined in the Act or Regulation or any other planning document prepared by the Province. MNR/CO presented a definition in a Final Draft Regulations Implementation Guideline:

.....”the protection, management, or restoration of lands within the watershed ecosystem for the purpose of maintaining or enhancing the natural features and hydrologic and ecological functions within the watershed”(Feb 2008).

Staff comment: Conservation Ontario provided information on past decisions of Mining and Lands Commissioner re “conservation of land”: MLC stated “conservation of land” should be utilized where there is persuasive evidence that lands are environmentally sensitive and that significant functions will discontinue or be disturbed with the activity.

***Definitions and Regulations staff comment:***

---

<sup>i</sup> **Flooding**: the inundation of areas adjacent to a shoreline or a river or stream system and not ordinarily covered by water. In Ontario, the extent of the flood hazard is either a storm-centred event (Hurricane Hazel) or flood frequency based event (100 year flood) or an observed event.

Staff comment: SCRCA utilizes the storm-centred (Hazel); exception Perch Creek (100 year due to Lake Wawanosh/Telfer Diversion). Generally, flooding is not an issue with drain maintenance/repair as works would improve upon an existing flow situation. Culvert and bridge design follow standard requirements recognized by Provincial, Municipal and Conservation Authority engineers.

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Staff comment: Conservation Ontario provided information on past decisions of Mining and Lands Commissioner re “conservation of land”: MLC stated “conservation of land” should be utilized where there is persuasive evidence that lands are environmentally sensitive and that significant functions will discontinue or be disturbed with the activity.

# Staff Report

11.(iv)



To: Board of Directors  
Date: September 3, 2013  
From: Claude Lafrance Remedial Action Plan (RAP) Coordinator  
Donna Strang, Remedial Action Plan (RAP) Research Assistant  
Subject: St. Clair River Area of Concern (AOC)

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## **Sediment Management Options (SMO) Project:**

All public consultation activities related to the SMO project were completed in the spring of 2013. Results of the public participation were documented and posted on the SCRCA web site for public viewing and response.

The St. Clair River Sediment Technical Team (Team) established to manage, direct and decide on the best way to clean up the sediment, met in May to review the public input and assess the strengths and weaknesses of the options included in the SMO report. The Team members selected hydraulic dredging with thin layer backfill as the preferred option for all three Areas of Interests. The two team members from the First Nation communities are consulting with their communities prior to submitting their preference to the Team. The responsible agencies; MOE, EC and SCRCA met in August with the industrial partners: Suncor, Shell, Enbridge, Union Gas and Ethyl Corporation to bring them up to date with the recent SMO developments. Industrial partners were informed of the preferred methods and invited to comment on them. No objections were raised by the industrial partners. However, several industrial partners did raise issues to prevent health and safety concerns and minimize economic loss when working near the commercial docks situated within the three AOI's. All the partners recognized that further discussion will be necessary to address these concerns during the detailed engineering phase of the project.

EC and the MOE identified that they have secured funding for the next phase of the project; detailed engineering design and EA. Up to \$2 million over the next two years will be available beginning in the spring of 2014. This phase of the SMO project is expected to be managed through either EC or the MOE.

Once the Team receives input from all interested parties, it will request concurrence for the selected options from the Canadian RAP Implementation Committee, the Binational Public Advisory Council and First Nations. The local Team will then submit to the senior levels of government the recommended options along with a funding request to implement them.

The construction phase of the project is scheduled to begin in 2016-17.

## Public Outreach and Education Work Plan:

With the finalization of the St. Clair River Area of Concern 2012-2017 Work Plan earlier this summer, work is moving forward to implement priority actions. A number of activities listed in the Public Outreach and Education plan have already been completed or started including:

### 1. Boating Best Management Practices Factsheet

A two sided factsheet was prepared that outlines a number of best management practices for boaters that will help maintain and improve the environmental quality of the St. Clair River. In particular, the factsheet focusses on the importance of using marine pump-out facilities; conducting hull maintenance out of water and avoiding spillage when filling gas tanks. The factsheet has been distributed to a number of marinas, bait shops and boating organizations and is also available on the Friends of the St. Clair River website ([www.friendsofstclair.ca](http://www.friendsofstclair.ca)).

### 2. Update Presentations to First Nation and Municipal Councils

Update presentations have been conducted or are scheduled for First Nation and Municipal Councils, Environment Committees and Environment Departments. The purpose of these presentations is to highlight the work and accomplishments that have been achieved in the Area of Concern over the last two years. The update presentations were scheduled in August and will continue throughout the month of September.

### 3. Updated Outreach Materials

An updated St. Clair River Area of Concern banner and associated posters have been drafted and are currently being reviewed. The banner provides an overview of Area of Concerns and Remedial Action Plans and a brief history of the St. Clair River while the posters provide information on some recent projects completed along the river. These materials will be available for display at public events.

The factsheet is titled "Boating Best Management Practices for a Cleaner St. Clair River". It features a header with a blue background and white text. Below the header is a collage of four images: a boat on the water, a marina, a boat with a pump-out station, and a boat with a pump-out station. The main body of the factsheet is divided into several sections:

- Introduction:** "We all enjoy spending sunny and warm summer days on the water. Whether it's paddling in a canoe or racing through the water in a motorized vessel, boating is a wonderful way to enjoy our Great Lakes. The scenic blue water of the St. Clair River attracts large numbers of boaters every year and also serves as a corridor linking Lake Huron and Lake St. Clair." It also mentions that in 1987, the St. Clair River was identified as an Area of Concern (AOC) and that major improvements have been observed over the last two decades.
- Marina Pump-Out Facilities:** "Vessel sewage from sinks and toilets released from boats poses tremendous risks to the environment through the introduction of pathogens and nutrients to a water body. Nutrients feed algae and other plant life causing the eutrophication of water ways. Serious illness, such as diarrhea and hepatitis can result through the ingestion of *E. coli* and other pathogens by humans." It also notes that beach closings result from high levels of *E. coli* and that proper marine sewage discharge practices contribute to decreased *E. coli* concentrations.
- How Do I Reduce My Impact?:** "Use pump-out facilities available at marinas to empty your sewage holding tank. These facilities will transport the sewage to water pollution control plants where it will be properly treated and disinfected. Additionally, take advantage of marina washrooms and showers to reduce the frequency of emptying onboard holding tanks."
- What is Eutrophication?:** "The excessive growth of algae and other plant life caused by nutrient enrichment in water bodies. It can cause the death of other plant and animal life due to the lack of sunlight and oxygen."

The factsheet also includes a map of the St. Clair River AOC, a "REMEMBER:" box stating "IT IS ILLEGAL TO RELEASE UNTREATED SEWAGE FROM A BOAT INTO CANADIAN WATERS.", and logos for Friends of the St. Clair River and St. Clair Conservation. The date "August 2013" is printed at the bottom right.

**Patty Hayman**

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**From:** Brian McDougall  
**Sent:** July-05-13 7:57 AM  
**To:** Patty Hayman  
**Subject:** FW: St. Clair Region CA-Copy of Amending Regulations  
**Attachments:** StClairRegionCA83-13.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

---

**From:** McLoughlin, Laurie (MNR) [<mailto:Laurie.McLoughlin@ontario.ca>] **On Behalf Of** Keyes, Jennifer (MNR)  
**Sent:** July-04-13 2:48 PM  
**To:** [bmcdougall@scrca.on.ca](mailto:bmcdougall@scrca.on.ca)  
**Cc:** [bfox@conservationontario.ca](mailto:bfox@conservationontario.ca); Mikel, Liz (MNR)  
**Subject:** St. Clair Region CA-Copy of Amending Regulations

**Ministry of Natural  
Resources**

Biodiversity Branch  
300 Water Street  
5<sup>th</sup> Floor N  
Peterborough ON K9J 8M5

**Ministère des  
Richesses naturelles**

Direction de la biodiversité  
C.P. 7000, 300, rue Water  
5<sup>e</sup> étage Nord  
Peterborough (Ontario) K9J 8M5



July 4, 2013

**TO:** Mr. Brian McDougall, General Manager/Secretary-Treasurer  
St. Clair Region Conservation Authority

**FROM:** Jennifer Keyes, Manager  
Great Lakes & Water Policy Section  
Ontario Ministry of Natural Resources

**SUBJECT:** Copy of your signed 'Amending' Regulation

---

Dear Mr. McDougall:

Please find attached for your files a copy of your Minister approved 'amending' regulation that recently effected the amendments to your authority regulation made under s. 28 of the *Conservation Authorities Act*. The two original hard copies of the regulation that your Board and the Minister approved reside with the Registrar of Regulations and MNR's Legal Services Branch. All the 'amending' regulations were filed on February 8, 2013 and that is the date they came into force. They were published on e-Laws on February 12<sup>th</sup>.

If you have any questions or comments, please do not hesitate to contact me at (705) 755- 5244, or Liz Mikel, A/Senior Policy Advisor, at (705) 755 -1229.

Thanks again for your cooperation,

Sincerely,





Jennifer Keyes  
Manager  
Great Lakes & Water Policy Section

- c. Bonnie Fox, Manager, Policy and Planning, Conservation Ontario  
Liz Mikel, A/Senior Policy Advisor, Great Lakes & Water Policy Section

**CONFIDENTIAL**  
Until filed with the  
Registrar of Regulations

|  |                      |
|--|----------------------|
| REGISTER OF REGULATIONS                |                      |
| Filed as O. Reg.                       | 83/13                |
| On                                     | FEB 08 2013          |
| Proposed source law publication dates: |                      |
| O-Laws                                 | by February 12, 2013 |
| Ontario Gazette                        | February 23, 2013    |

REG2012.0398.e  
3-JH

## ONTARIO REGULATION

made under the

## CONSERVATION AUTHORITIES ACT

Amending O. Reg. 171/06

(ST. CLAIR REGION CONSERVATION AUTHORITY: REGULATION OF  
DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO  
SHORELINES AND WATERCOURSES)

Note: Ontario Regulation 171/06 has not previously been amended.

**1. (1) Subclauses 2 (1) (a) (i) and (ii) of Ontario Regulation 171/06 are revoked and the following substituted:**

- (i) for Lake Huron, the 100 year flood level, plus the appropriate allowance for wave uprush found in the most recent document entitled "Lake Huron Shoreline Management Plan" available at the head office of the Authority,
- (ii) for Lake St. Clair and the St. Clair River, the 100 year flood level plus the appropriate allowance for wave uprush found in the most recent document entitled "Great Lakes System Flood Levels and Water Related Hazards" available at the head office of the Authority,

**(2) Subclauses 2 (1) (a) (iv) and (v) of the Regulation are revoked and the following substituted:**

- (iv) where a dynamic beach is associated with the waterfront lands, an allowance of 30 metres inland to accommodate dynamic beach movement, and
- (v) an allowance of 15 metres inland;

**(3) Clause 2 (1) (e) of the Regulation is amended by striking out “but not including those where development has been approved pursuant to an application made under the *Planning Act* or other public planning or regulatory process” at the end.**

**(4) Subsection 2 (2) of the Regulation is revoked and the following substituted:**

(2) All areas within the jurisdiction of the Authority that are described in subsection (1) are delineated as the “Regulation Limit” shown on a series of maps filed at the head office of the Authority under the map title “Ontario Regulation 97/04: Regulation for Development, Interference with Wetlands and Alterations to Shorelines and Watercourses”.

(3) If there is a conflict between the description of areas in subsection (1) and the areas as shown on the series of maps referred to in subsection (2), the description of areas in subsection (1) prevails.

**2. Section 3 of the Regulation is amended by adding the following subsections:**

(3) Subject to subsection (4), the Authority’s executive committee, or one or more employees of the Authority that have been designated by the Authority for the purposes of this section, may exercise the powers and duties of the Authority under subsections (1) and (2) with respect to the granting of permissions for development in or on the areas described in subsection 2 (1).

(4) A designate under subsection (3) shall not grant a permission for development with a maximum period of validity of more than 24 months.

**3. (1) Paragraph 1 of section 4 of the Regulation is amended by striking out “the development” at the end and substituting “the proposed development”.**

**(2) Paragraph 4 of section 4 of the Regulation is amended by striking out “after development” at the end and substituting “after the development”.**

**(3) Paragraph 5 of section 4 of the Regulation is amended by striking out “after development” at the end and substituting “after the development”.**

**(4) Section 4 of the Regulation is amended by adding the following paragraph:**

7. Such other technical studies or plans as the Authority may request.

**4. (1) Subsection 6 (1) of the Regulation is amended by striking out “grant a person permission” and substituting “grant permission”.**

**(2) Section 6 of the Regulation is amended by adding the following subsections:**

(3) Subject to subsection (4), the Authority's executive committee, or one or more employees of the Authority that have been designated by the Authority for the purposes of this section, may exercise the powers and duties of the Authority under subsections (1) and (2) with respect to the granting of permissions for alteration.

(4) A designate under subsection (3) shall not grant a permission for alteration with a maximum period of validity of more than 24 months.

**5. Section 7 of the Regulation is amended by adding the following paragraph:**

5. Such other technical studies or plans as the Authority may request.

**6. (1) Subsection 8 (1) of the Regulation is amended by striking out "cancel a permission" and substituting "cancel a permission granted under section 3 or 6".**

**(2) Subsection 8 (3) of the Regulation is amended by striking out "the giving of the notice" and substituting "the giving of the notice under subsection (2)".**

**7. Section 9 of the Regulation is revoked and the following substituted:**

**Period of validity of permissions and extensions**

**9. (1) The maximum period, including an extension, for which a permission granted under section 3 or 6 may be valid is,**

(a) 24 months, in the case of a permission granted for projects other than projects described in clause (b); and

(b) 60 months, in the case of a permission granted for,

(i) projects that, in the opinion of the Authority or its executive committee, cannot reasonably be completed within 24 months from the day the permission is granted, or

(ii) projects that require permits or approvals from other regulatory bodies that, in the opinion of the Authority or its executive committee, cannot reasonably be obtained within 24 months from the day permission is granted.

(2) The Authority or its executive committee may grant a permission for an initial period that is less than the applicable maximum period specified in subsection (1) if, in the opinion of the Authority or its executive committee, the project can be completed in a period that is less than the maximum period.

(3) If the Authority or its executive committee grants a permission under subsection (2) for an initial period that is less than the applicable maximum period of validity specified in subsection (1), the Authority or its executive committee may grant an extension of the permission if,

- (a) the holder of the permission submits a written application for an extension to the Authority at least 60 days before the expiry of the permission;
- (b) no extension of the permission has previously been granted; and
- (c) the application sets out the reasons for which an extension is required and, in the opinion of the Authority or its executive committee, demonstrates that circumstances beyond the control of the holder of the permission will prevent completion of the project before the expiry of the permission.

(4) When granting an extension of a permission under subsection (3), the Authority or its executive committee may grant the extension for the period of time requested by the holder in the application or for such period of time as the Authority or its executive committee deems appropriate, as long as the total period of validity of the permission does not exceed the applicable maximum period specified in subsection (1).

(5) For the purposes of this section, the granting of an extension for a different period of time than the period of time requested does not constitute a refusal of an extension.

(6) The Authority or its executive committee may refuse an extension of a permission if it is of the opinion that the requirements of subsection (3) have not been met.

(7) Before refusing an extension of a permission, the Authority or its executive committee shall give notice of intent to refuse to the holder of the permission, indicating that the extension will be refused unless,

- (a) the holder requires a hearing, which may be before the Authority or its executive committee, as the Authority directs; and
- (b) at the hearing, the holder satisfies the Authority, or the Authority's executive committee, as the case may be,
  - (i) that the requirements of clauses (3) (a) and (b) have been met, and
  - (ii) that circumstances beyond the control of the holder will prevent completion of the project before the expiry of the permission.

(8) If the holder of the permission requires a hearing under subsection (7), the Authority or its executive committee shall give the holder at least five days notice of the date of the hearing.

(9) After holding a hearing under subsection (7), the Authority or its executive committee shall,

- (a) refuse the extension; or
- (b) grant an extension for such period of time as it deems appropriate, as long as the total period of validity of the permission does not exceed the applicable maximum period specified in subsection (1).

(10) Subject to subsection (11), one or more employees of the Authority that have been designated by the Authority for the purposes of this section may exercise the powers and duties of the Authority under subsections (2), (3) and (4), but not those under subsections (6), (7), (8) and (9).

(11) A designate under subsection (10) shall not grant an extension of a permission for any period that would result in the permission having a period of validity greater than 24 months.

**8. Section 12 of the Regulation is revoked.**

**Commencement**

**9. This Regulation comes into force on the day it is filed.**

Made by:

ST. CLAIR REGION CONSERVATION AUTHORITY:

*[Handwritten signature]*

*Please sign in blue ink*

Andy Bruziewicz

Chairman

*Please print name and title legibly*

*[Handwritten signature]*

*Please sign in blue ink*

Brian McDougall

General Manager / Secretary Treasurer

*Please print name and title legibly*

Date made: Jan 8, 2013

I approve this Regulation

*[Handwritten signature]*

Minister of Natural Resources

*Please sign in blue ink*

Date approved: Feb 6, 2013

Prepared By: Tracy Prince  
August 26, 2013

**ST CLAIR REGION CONSERVATION AUTHORITY**  
**Statement of Revenue and Expenditure**  
**For the Seven Months Ended 31/07/2013**

12.(i)

|   | Actual To Date     |                    |                    | Annual Budget      |                    | Variance from Budget |                      |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|----------------------|
|   | Revenue            | Expenditures       | Surplus(Deficit)   | Revenue            | Expenditures       | Revenue              | Expenditures         |
| <b>Flood Control &amp; Erosion Control</b>      | \$613,965          | \$250,544          | \$363,421          | \$645,250          | \$645,250          | (\$31,285)           | (\$394,706)          |
| <b>Capital Projects/WECI</b>                    | \$417,334          | \$386,289          | \$31,045           | \$394,500          | \$394,500          | \$22,834             | (\$8,211)            |
| <b>Conservation Area's Capital Development</b>  | \$0                | \$35,729           | (\$35,729)         | \$139,500          | \$139,500          | (\$139,500)          | (\$103,771)          |
| <b>IT Capital</b>                               | \$11,699           | \$11,099           | \$600              | \$19,200           | \$19,200           | (\$7,501)            | (\$8,101)            |
| <b>Equipment</b>                                | \$43,325           | \$44,947           | (\$1,622)          | \$72,000           | \$72,000           | (\$28,675)           | (\$27,053)           |
| <b>Planning &amp; Regulations</b>               | \$199,909          | \$212,460          | (\$12,551)         | \$339,841          | \$339,841          | (\$139,932)          | (\$127,381)          |
| <b>Technical Studies</b>                        | \$328,953          | \$94,079           | \$234,874          | \$158,888          | \$158,888          | \$170,065            | (\$64,809)           |
| <b>Recreation</b>                               | \$948,053          | \$563,717          | \$384,336          | \$948,450          | \$948,450          | (\$397)              | (\$384,733)          |
| <b>Property Management</b>                      | \$169,900          | \$215,841          | (\$45,941)         | \$269,000          | \$269,000          | (\$99,100)           | (\$53,159)           |
| <b>Education and Communication</b>              | \$93,649           | \$112,519          | (\$18,871)         | \$187,000          | \$187,000          | (\$93,351)           | (\$74,481)           |
| <b>Source Water Protection</b>                  | \$194,105          | \$115,818          | \$78,287           | \$350,000          | \$350,000          | (\$155,895)          | (\$234,182)          |
| <b>Conservation Services/Healthy Watersheds</b> | \$576,864          | \$437,316          | \$139,548          | \$691,037          | \$691,037          | (\$114,173)          | (\$253,721)          |
| <b>Administration/AOC Management</b>            | \$713,748          | \$440,427          | \$273,321          | \$840,000          | \$840,000          | (\$126,252)          | (\$399,574)          |
|   | <b>\$4,311,502</b> | <b>\$2,920,784</b> | <b>\$1,390,718</b> | <b>\$5,054,666</b> | <b>\$5,054,666</b> | <b>(\$743,164)</b>   | <b>(\$2,133,882)</b> |

**Notes:**

1. The 2012 MNR Operating grant of 310,000 has not been received but is recorded in the actual revenue reported above. Payment received in August 2013
2. Municipal matching levies of have been invoiced and are recorded in the actual revenue, the special or non-matching have not been invoiced  
See General Levy Report for amounts outstanding.
3. 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.
4. Detailed statement available upon request
5. Billing for the Source Water Protection will occurred in July 2013, salary expense allocation will be recorded in December with other final allocation



**ST. CLAIR REGION CONSERVATION AUTHORITY**  
**Administration and Capital Development Expenditures**  
**AS AT JULY 31, 2013**

|                                      | 2013<br>Budget    | 2013<br>GL        | 2012<br>Audit     |
|--------------------------------------|-------------------|-------------------|-------------------|
| <b>Administration</b>                |                   |                   |                   |
| Equipment rentals and purchases      | 17,000.00         | 8,659.37          | 15,504.46         |
| Materials and supplies               | 31,000.00         | 10,940.75         | 23,340.67         |
| Other                                | 222,500.00        | 104,276.78        | 229,529.20        |
| Travel expenses and allowances       | 20,500.00         | 12,733.56         | 6,843.30          |
| Utility services                     | 25,000.00         | 8,780.20          | 21,660.04         |
| Wages and benefits                   | 334,750.00        | 248,289.47        | 274,255.00        |
|                                      | <u>650,750.00</u> | <u>393,680.13</u> | <u>571,132.67</u> |
| <br>                                 |                   |                   |                   |
| <b>Capital Development</b>           |                   |                   |                   |
| Conservation area development        | 139,500.00        | 35,729.17         | 182,500.00        |
| Other                                | -                 | -                 | -                 |
| Vehicles and equipment               | 91,200.00         | 56,046.62         | 140,164.00        |
| Water erosion control infrastructure | 269,500.00        | 238,920.02        | 563,609.00        |
|                                      | <u>500,200.00</u> | <u>330,695.81</u> | <u>886,273.00</u> |

**ST. CLAIR REGION CONSERVATION AUTHORITY**  
**Operating and Property Management Expenditures**  
**AS AT JULY 31, 2013**

|                                      | 2013<br>Budget      | 2013<br>GL          | 2012<br>Audit       |
|--------------------------------------|---------------------|---------------------|---------------------|
| <b>Operating</b>                     |                     |                     |                     |
| <b>Community relations</b>           |                     |                     |                     |
| Wages and benefits                   | 169,000.00          | 100,407.04          | 110,621.33          |
| Other                                | 18,000.00           | 12,112.14           | 13,504.95           |
| <b>Conservation services</b>         |                     |                     |                     |
| Wages and benefits                   | 220,000.00          | 142,169.45          | 161,132.00          |
| Other                                | 459,500.00          | 315,306.12          | 343,291.00          |
| <b>Erosion control</b>               |                     |                     |                     |
| Wages and benefits                   | 21,000.00           | -                   | 76,090.00           |
| Other                                | 236,500.00          | 146,368.59          | 128,885.36          |
| <b>Flood control</b>                 |                     |                     |                     |
| Wages and benefits                   | 260,000.00          | 106,823.98          | 229,924.00          |
| Other                                | 80,000.00           | 67,503.60           | 109,583.74          |
| <b>Flood forecasting and warning</b> |                     |                     |                     |
| Wages and benefits                   | 116,000.00          | 51,400.23           | 124,623.43          |
| Other                                | 42,500.00           | 16,303.57           | 48,916.00           |
| <b>General</b>                       |                     |                     |                     |
| Wages and benefits                   | 240,490.00          | 45,748.71           | 196,055.00          |
| <b>Ice management</b>                |                     |                     |                     |
| Wages and benefits                   | 3,500.00            | 2,027.93            | 3,500.00            |
| <b>Planning</b>                      |                     |                     |                     |
| Wages and benefits                   | 320,841.00          | 168,277.31          | 154,428.47          |
| Other                                | 17,000.00           | 44,182.48           | 6,199.22            |
| <b>Source water protection</b>       |                     |                     |                     |
| Wages and benefits                   | 326,500.00          | 114,707.79          | 325,378.48          |
| Other                                | 23,500.00           | 1,110.01            | 17,910.80           |
| <b>Technical studies</b>             |                     |                     |                     |
| Wages, benefits and other            | 213,888.00          | 102,331.29          | 429,029.00          |
|                                      | <u>2,768,219.00</u> | <u>1,436,780.24</u> | <u>2,479,072.78</u> |
| <b>Property Management</b>           |                     |                     |                     |
| Wages and benefits                   | 110,000.00          | 63,706.69           | 59,185.67           |
| Other                                | 133,000.00          | 131,974.83          | 85,981.10           |
|                                      | <u>243,000.00</u>   | <u>195,681.52</u>   | <u>145,166.77</u>   |

**ST. CLAIR REGION CONSERVATION AUTHORITY**  
**Conservation Area Maintenance Expenditures**  
**AS AT JULY 31, 2013**

|                       | 2013<br>Budget    | 2013<br>GL        | 2012<br>Audit     |
|-----------------------|-------------------|-------------------|-------------------|
| A.W. Campbell - Wages | 127,800.00        | 76,922.43         | 121,771.70        |
| A.W. Campbell - Other | 90,600.00         | 57,358.53         | 92,264.00         |
| Clark Wright - Wages  | 1,000.00          | 1,000.00          | 500.00            |
| Clark Wright - Other  | 1,200.00          | 4,348.31          | 1,100.00          |
| Coldstream - Other    | 1,400.00          | 813.47            | 2,999.00          |
| Crothers - Other      | 1,400.00          | 905.07            | 1,400.00          |
| Dodge - Other         | 1,000.00          | 643.42            | 600.00            |
| Henderson - Wages     | 136,000.00        | 74,028.20         | 125,950.57        |
| Henderson - Other     | 97,700.00         | 51,036.74         | 97,588.00         |
| Highland Glen - Wages | 1,500.00          | 1,000.00          | 1,000.00          |
| Highland Glen - Other | 6,250.00          | 6,198.60          | 7,900.00          |
| McEwen - Wages        | 2,000.00          | 1,000.00          | 1,000.00          |
| McEwen - Other        | 8,800.00          | 5,672.34          | 10,300.00         |
| Bridgeview - Other    | 900.00            | 809.56            | 900.00            |
| Shetland - Other      | 7,350.00          | 3,774.97          | 7,193.91          |
| Strathroy - Wages     | 10,500.00         | 5,721.29          | 10,769.52         |
| Strathroy - Other     | 4,500.00          | 2,479.93          | 7,730.48          |
| Tony Stranak - Other  | 7,900.00          | 7,980.52          | 7,700.00          |
| Warwick - Wages       | 262,400.00        | 113,542.16        | 208,956.00        |
| Warwick - Other       | 157,500.00        | 109,377.16        | 188,277.00        |
| Wawanosh - Wages      | 2,500.00          | 1,000.00          | 1,000.00          |
| Wawanosh - Other      | 5,500.00 -        | 5,194.12          | 16,698.39         |
| Peers Wetland - Other | -                 | 43,298.30         | -                 |
|                       | <u>935,700.00</u> | <u>563,716.88</u> | <u>913,598.57</u> |

ST. CLAIR REGION CONSERVATION AUTHORITY  
Conservation Area Revenue and Expenditures  
AS AT JULY 31, 2013

|      |                                       | 2013        |             |                      | Audit        |             | 2012                 |
|------|---------------------------------------|-------------|-------------|----------------------|--------------|-------------|----------------------|
|      |                                       | Revenue     | Expenditure | Surplus<br>(Deficit) | Revenue      | Expenditure | Surplus<br>(Deficit) |
| 0417 | A.W. Campbell                         | 226,073.32  | 134,280.96  | 91,792.36            | 238,644.61   | 214,035.70  | 24,608.91            |
| 0413 | Clark Wright                          | 8,500.00    | 5,348.31    | 3,151.69             | 1,600.00     | 1,600.00    | -                    |
| 0419 | Coldstream                            | -           | 813.47      | - 813.47             | 2,999.00     | 2,999.00    | -                    |
| 0448 | Crothers                              | -           | 905.07      | - 905.07             | 1,400.00     | 1,400.00    | -                    |
| 0493 | Dodge                                 | -           | 643.42      | - 643.42             | 600.00       | 600.00      | -                    |
| 0472 | Henderson                             | 239,381.81  | 125,064.94  | 114,316.87           | 252,866.76   | 223,538.57  | 29,328.19            |
| 0489 | Highland Glen                         | 9,050.00    | 7,198.60    | 1,851.40             | 8,900.00     | 8,900.00    | -                    |
| 0485 | McEwen                                | 1,400.00    | 6,672.34    | - 5,272.34           | 11,300.00    | 11,300.00   | -                    |
| 0455 | Peers                                 | 46,042.60   | 43,298.30   | 2,744.30             | -            | -           | -                    |
| 0416 | Petrolia                              | -           | 809.56      | - 809.56             | 900.00       | 900.00      | -                    |
| 0403 | Shetland                              | 765.00      | 3,774.97    | - 3,009.97           | 7,193.91     | 7,193.91    | -                    |
| 0474 | Strathroy                             | -           | 8,201.22    | - 8,201.22           | 18,500.00    | 18,500.00   | -                    |
| 0470 | Tony Stranak                          | -           | 7,980.52    | - 7,980.52           | 7,700.00     | 7,700.00    | -                    |
| 0458 | Warwick                               | 416,588.58  | 222,919.32  | 193,669.26           | 448,605.91   | 397,233.00  | 51,372.91            |
| 0405 | Wawanosh                              | 251.61      | 4,194.12    | - 4,445.73           | 17,698.39    | 17,698.39   | -                    |
|      |                                       | 948,052.92  | 563,716.88  | 384,336.04           | 1,018,908.58 | 913,598.57  | 105,310.01           |
|      | Transfer to deferred revenue (Note 2) |             |             | -                    | -            |             | -                    |
|      | Less: Municipal levy and donations    | - 66,009.21 |             | - 66,009.21          | - 81,292.30  |             | - 81,292.30          |
|      |                                       | 882,043.71  | 563,716.88  | 318,326.83           | 937,616.28   | 913,598.57  | 24,017.71            |

882,043.71

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**ST. CLAIR REGION CONSERVATION AUTHORITY**  
**Statement of Financial Position**  
**AS AT JULY 31, 2013**

|  | GL<br>2013           | Audit<br>2012        |
|--|----------------------|----------------------|
| <b>Financial Assets</b>  |                      |                      |
| Cash and cash equivalents  | 3,514,372.21         | 3,328,160.00         |
| Investments (note)   | 1,981,640.18         | 1,979,321.28         |
| Accounts receivable  | 534,811.32           | 548,602.00           |
| Prepaid Expenses   | -                    | -                    |
| Long-term investments  | 33,048.00            | 33,048.00            |
|  | <u>6,063,871.71</u>  | <u>5,889,131.28</u>  |
| <br>   |                      |                      |
| <b>Restricted Assets (Note )</b>   |                      |                      |
| Restricted Shares  | 311.00               | -                    |
| Forestry   | 11,654.45            | 11,654.45            |
| RLSN   | -                    | 123,032.00           |
| Kent   | -                    | 55,390.00            |
| MSN  | 422,698.06           | 409,821.68           |
| Rondeau  | 588.55               | 2,389.64             |
| Downsizing   | 24,759.79            | 25,071.00            |
| Cash and cash equivalents  | 460,011.85           | 627,358.77           |
| Accounts receivable - Stewardship Programs                                       | -                    | 113,395.85           |
|  | <u>460,011.85</u>    | <u>740,754.62</u>    |
| <br>   |                      |                      |
| <b>Total Financial Assets</b>  | <u>6,523,883.56</u>  | <u>6,629,885.90</u>  |
| <br>   |                      |                      |
| <b>Financial Liabilities</b>   |                      |                      |
| Accounts payable and accrued liabilities   | 145,030.29           | 402,355.00           |
| Accounts payable and accrued liabilities - Stewardship Programs                  | -                    | 179,749.00           |
| Deferred revenue   | 137,179.32           | 1,099,462.27         |
| Due to Stewardship Programs (Note & Statement )                                  | 423,286.61           | 524,280.00           |
| <b>Total Financial Liabilities</b>   | <u>705,496.22</u>    | <u>2,205,846.27</u>  |
| <br>   |                      |                      |
| <b>Net Financial Assets</b>  | <u>5,818,387.34</u>  | <u>4,424,039.63</u>  |
| <br>   |                      |                      |
| <b>Non-Financial Assets</b>  |                      |                      |
| Tangible Capital Assets, net of accumulated amortization<br>( Notes & Schedule ) | 20,284,493.88        | 20,284,493.00        |
|  | <u>20,284,493.88</u> | <u>20,284,493.00</u> |
| <br>   |                      |                      |
| <b>Net Assets</b>  | <u>26,102,881.22</u> | <u>24,708,532.63</u> |
| <br>   |                      |                      |
| <b>Conservation Authority Position</b>   |                      |                      |
| Reserves and reserve funds (Statement 2 & 3 )                                    | 5,818,385.97         | 4,424,039.00         |
| Net Tangible Capital Assets  | 20,284,492.81        | 20,284,493.00        |
| <b>Total Conservation Authority Position</b>                                     | <u>26,102,878.78</u> | <u>24,708,532.00</u> |

ST. CLAIR REGION CONSERVATION AUTHORITY  
Statement of Operations  
AS AT JULY 31, 2013

|   |  | 2013<br>Budget      | 2013                | 2012<br>Audit       |         |          |
|---|--|---------------------|---------------------|---------------------|---------|----------|
| <b>Revenue</b>  |  |                     |                     |                     |         |          |
| <b>Government Grants</b>  |  |                     |                     |                     |         |          |
| 2000  | Section 39   | 384,841.00          | 310,000.00          | 310,003.00          |         |          |
| 2010  | Other  | 814,750.00          | 515,624.07          | 1,322,475.00        |         |          |
| <b>Municipal levies</b>   |  |                     |                     |                     |         |          |
| 2020  | General  | 693,415.00          | 818,462.37          | 593,691.00          |         |          |
| 2030  | Other  | 358,285.00          | 74,035.90           | 442,500.00          |         |          |
| <b>Other Revenue</b>  |  |                     |                     |                     |         |          |
| 2050  | Contributions  | 128,750.00          | 34,151.24           | 91,146.00           |         |          |
| 2060  | Miscellaneous  | 1,578,625.00        | 1,664,349.62        | 1,197,923.00        |         |          |
| 2070  | Interest   | 74,000.00           | 16,234.29           | 110,457.00          |         |          |
| Sch 4   | Conservation areas (Excluding Municipal Levy)          | 973,700.00          | 882,043.71          | 937,616.28          |         |          |
|   | Transfers from reserves                                |                     |                     |                     |         |          |
| 1900  | General  | -                   | 7,013.93            |                     |         |          |
| 1999  | Unrealized gain (loss) on held-for-trading investments | -                   | 5,973.58            | 5,892.00            | -       | 81.58    |
| 1998  | Realized gain (loss) on held for trading investments   | -                   | 1,040.00            | 1,040.00            |         |          |
|   |  | <u>5,006,366.00</u> | <u>4,314,901.55</u> | <u>4,998,879.28</u> | 4311502 | 3,399.13 |
| <b>Expenditures</b>   |  |                     |                     |                     |         |          |
|   | Administration, Schedule 1                             | 650,750.00          | 393,680.13          | 476,091.00          |         |          |
|   | Capital development, Schedule 1                        | 500,200.00          | 330,695.81          | 886,273.00          |         |          |
|   | Operating, Schedule 2                                  | 2,768,219.00        | 1,436,780.24        | 2,479,070.00        |         |          |
|   | Property management, Schedule 2                        | 243,000.00          | 195,681.52          | 145,166.77          |         |          |
|   | Conservation area maintenance, Schedule 3              | <u>935,700.00</u>   | <u>563,716.88</u>   | <u>913,598.57</u>   |         |          |
|   |  | 5,097,869.00        | 2,920,554.58        | 4,900,199.34        |         |          |
| <b>Excess (deficiency) of revenues over expenditures before adjustments</b> |  | <b>- 91,503.00</b>  | <b>1,394,346.97</b> | <b>- 98,679.94</b>  |         |          |
| <b>Adjustments for Tangible Capital Assets</b>                              |  |                     |                     |                     |         |          |
|   | Acquisition of tangible capital assets                 | -                   | -                   | 345,355.63          |         |          |
|   | Amortization of tangible capital assets                | -                   | -                   | 506,202.00          |         |          |
|   | Gain/(loss) on sale of tangible capital assets         | -                   | -                   | 3,090.00            |         |          |
|   | Proceeds on sale of tangible capital assets            | <u>-</u>            | <u>-</u>            | <u>3,250.00</u>     |         |          |
|   |  | <u>-</u>            | <u>-</u>            | <u>167,186.37</u>   |         |          |
| <b>Excess (deficiency) of revenues over expenditures before adjustments</b> |  | <b>- 91,503.00</b>  | <b>1,394,346.97</b> | <b>- 68,506.43</b>  |         |          |
| Difference Stmt 6   |  |                     | 79.64               |                     |         |          |
| Department Summary Monthly Statements                                       |  |                     | 1,390,947.84        |                     |         |          |
| Adjustment made after closing to Oil & Gas Reserve shd be income            |  |                     | <u>3,398.78</u>     |                     |         |          |
|   |  |                     | <u>1,394,346.62</u> |                     |         |          |

ST. CLAIR REGION CONSERVATION AUTHORITY  
Statement of Stewardship Programs  
AS AT JULY 31, 2013

|   | 2013              |                     |                                     |               | Total               |
|---|-------------------|---------------------|-------------------------------------|---------------|---------------------|
|   | GL                |                     |                                     |               |                     |
|   | Rural<br>Lambton  | Stewardship<br>Kent | Middlesex<br>Stewardship<br>Network | Rondeau       |                     |
| Revenue                                   | 265,048.63        | -                   | 70,205.56                           | -             | \$335,254.19        |
| Expenditures                              | <u>302,617.63</u> | 62,000.00           | 69,829.50                           | 1,800.45      | <u>436,247.58</u>   |
| Excess of revenue over expenditures       | - 37,569.00       | - 62,000.00         | 376.06                              | - 1,800.45    | (100,993.39)        |
| Unappropriated surplus, beginning of year | 37,569.00         | 62,000.00           | 422,322.00                          | 2,389.00      | 524,280.00          |
| Unappropriated surplus,                   | <u>-</u>          | <u>-</u>            | <u>422,698.06</u>                   | <u>588.55</u> | <u>\$423,286.61</u> |
| Represented by:                           |                   |                     |                                     |               |                     |
| Cash                                      | -                 | -                   | 422,698.06                          | 588.55        | \$423,286.61        |
| Accounts receivable                       | -                 |                     | -                                   |               | .00                 |
| Accounts payable and accrued liabilities  |                   |                     |                                     |               | .00                 |
|   | <u>-</u>          | <u>-</u>            | <u>422,698.06</u>                   | <u>588.55</u> | <u>\$423,286.61</u> |

**ST. CLAIR REGION CONSERVATION AUTHORITY**  
**Statement of Cash Flows**  
**AS AT JULY 31, 2013**

|   | 2013         | - | 2012<br>Audit |
|---|--------------|---|---------------|
| <b>Cash provided by (used in)</b>                               |              |   |               |
| <b>Operating activities</b>                                     |              |   |               |
| Excess of revenue over expenditure (Statement 4)                | 1,394,346.97 | - | 68,506.43     |
| Add items not involving cash:                                   |              |   |               |
| Amortization of tangible capital assets                         |              |   | 506,202.00    |
| Loss/(Gain) on disposal of tangible capital assets              |              |   | 3,090.00      |
| Realized (gain) loss on held for trading investments            |              |   | 1,040.00      |
| Unrealized (gain) loss on held for trading investments          | 81.58        |   | 5,892.00      |
|   | 1,394,428.55 |   | 447,717.57    |
| <br>Net changes in non-cash working capital balances:           |              |   |               |
| Accounts receivable   | 13,790.68    | - | 62,546.00     |
| Accounts receivable - Stewardship Programs                      | 113,395.85   | - | 48,342.00     |
| Prepaid expenses  | -            |   | 2,355.00      |
| Accounts payable and accrued liabilities                        | - 257,324.71 |   | 160,555.00    |
| Accounts payable and accrued liabilities - Stewardship Programs | - 179,749.00 | - | 35,196.00     |
| Deferred revenue  | - 962,282.95 |   | 58,128.00     |
| Due to stewardship programs                                     | - 100,993.39 | - | 126,751.00    |
|   | 21,265.03    |   | 395,920.57    |
| <br><b>Investing activities</b>                                 |              |   |               |
| Purchase of investments   | - 2,318.90   | - | 520,960.00    |
| Proceeds from sale of investments                               | -            |   | 400,000.00    |
| Long-term investments   | -            | - | 5,178.00      |
|   | - 2,318.90   | - | 126,138.00    |
| <br><b>Capital activities</b>                                   |              |   |               |
| Acquisition of tangible capital assets                          | -            | - | 345,356.00    |
| Proceeds on disposal of tangible capital assets                 | -            |   | 3,250.00      |
|   | -            | - | 342,106.00    |
| <br><b>Increase (decrease) in cash and cash equivalents</b>     | 18,946.13    | - | 72,323.43     |
| <br><b>Cash and cash equivalents, beginning of year</b>         | 3,955,517.57 |   | 4,027,841.00  |
| <br><b>Cash and cash equivalents, end of year</b>               | 3,974,463.70 |   | 3,955,517.57  |
| <br><br><b>Represented by:</b>                                  |              |   |               |
| Cash and cash equivalents                                       | 3,514,372.21 |   | 3,328,160.00  |
| Restricted cash and cash equivalents                            | 24,759.79    |   | 36,725.00     |
| Stewardship Programs cash and cash equivalents                  | 435,252.06   |   | 590,633.00    |
|   | 3,974,384.06 |   | 3,955,518.00  |
|   | 79.64        | - | 0.43          |



ST. CLAIR REGION CONSERVATION AUTHORITY  
 CASH DISBURSEMENTS FROM JUNE 1 TO AUG. 31, 2013

12. (ii)  
 D. Brodie

| Chq.No. | Payment Date | Vendor/Payee Name                      | Description        | Payment Amount |
|---------|--------------|--|--------------------|----------------|
| 14761   | 04/06/2013   | P.CASH-D.BRODIE                        | Petty Cash         | \$ 394.30      |
| 14762   | 04/06/2013   | CANPAR TRANSPORT L.P.                  | Courier            | \$ 33.11       |
| 14763   | 04/06/2013   | Corunna Home Hardware                  | Supplies           | \$ 31.63       |
| 14764   | 04/06/2013   | Excellent Signs & Displays Inc.        | Office Sign        | \$ 9,252.81    |
| 14765   | 04/06/2013   | FOREST CITY LEASING                    | Photocopier        | \$ 293.80      |
| 14766   | 04/06/2013   | 1253611 ONT.LTD.O/A NOTHERS            | Ribbons, etc.      | \$ 575.85      |
| 14767   | 04/06/2013   | STRATHROY HOME HARDWARE BUILDING       | Supplies           | \$ 89.48       |
| 14768   | 04/06/2013   | LOBLAW COMPANIES LIMITED               | Mtg. Supplies      | \$ 14.01       |
| 14769   | 07/06/2013   | Dan Nesbitt                            | Camper Refund      | \$ 1,137.00    |
| 14770   | 07/06/2013   | Jenny Redick                           | Camper Refund      | \$ 750.00      |
| 14771   | 07/06/2013   | Monica Wallis                          | Camper Refund      | \$ 750.00      |
| 14772   | 18/06/2013   | WARWICK COLLISION SERVICE              | Service, Repair    | \$ 6,071.28    |
| 14773   | 20/06/2013   | 21 SHELL & VARIETY                     | Fuel- CA's         | \$ 615.00      |
| 14774   | 20/06/2013   | 4IMPRINT, INC.                         | Promotion Items    | \$ 4,254.92    |
| 14775   | 20/06/2013   | ADVANTAGE FARM EQUIPMENT LTD.          | Parts              | \$ 77.77       |
| 14776   | 20/06/2013   | ALS CANADA LIMITED                     | Lab Testing        | \$ 1,026.94    |
| 14777   | 20/06/2013   | AQUA POOLS,PATIOS & SPAS               | pool supplies      | \$ 406.83      |
| 14778   | 20/06/2013   | ARCTIC GLACIER INC.                    | ice                | \$ 260.40      |
| 14779   | 20/06/2013   | BATTLEFIELD EQUIPMENT RENTALS          | parts              | \$ 221.57      |
| 14780   | 20/06/2013   | RICK BATTSON                           | expenses           | \$ 271.95      |
| 14781   | 20/06/2013   | BKL CONSULTING ENGINEERS               | lch-septic system  | \$ 3,214.85    |
| 14782   | 20/06/2013   | Campbells Outdoor Power Equipment Ltd. | repairs            | \$ 53.78       |
| 14783   | 20/06/2013   | CANPAR TRANSPORT L.P.                  | courier            | \$ 183.14      |
| 14784   | 20/06/2013   | CANADIAN TODS LTD.                     | hwy sign           | \$ 1,023.78    |
| 14785   | 20/06/2013   | BARRY CARD                             | OMB-Midd/Centre    | \$ 1,517.59    |
| 14786   | 20/06/2013   | CAS KWARCIAK ELECTRIC                  | Ca-electrical      | \$ 4,381.13    |
| 14787   | 20/06/2013   | CENTRAL SANITATION                     | portables          | \$ 608.78      |
| 14788   | 20/06/2013   | CITY OF SARNIA                         | taxes              | \$ 105.12      |
| 14789   | 20/06/2013   | COINAMATIC                             | campgrounds        | \$ 58.26       |
| 14790   | 20/06/2013   | CONSERVATION ONTARIO                   | Levy               | \$ 11,795.19   |
| 14791   | 20/06/2013   | DALLAS CUNDICK                         | Expenses           | \$ 149.11      |
| 14792   | 20/06/2013   | DELTA POWER EQUIPMENT                  | Parts              | \$ 128.41      |
| 14793   | 20/06/2013   | DOUGLAS-KOZERA EXCAVATING ENVR         | backhoe excavating | \$ 6,462.13    |
| 14794   | 20/06/2013   | DUN-RITE LANDSCAPING INC.              | G. Cutting         | \$ 265.55      |
| 14795   | 20/06/2013   | CHRIS DURAND                           | Expenses           | \$ 156.22      |
| 14796   | 20/06/2013   | EMP99969                               | Payroll            | \$ 334.71      |
| 14797   | 20/06/2013   | ENTERPRISE RENT-A-CAR CANADA LTD.      | Vehicles-Larvacide | \$ 396.23      |
| 14798   | 20/06/2013   | FIREFIELD LANDSCAPE SUPPLY             | sign-landscaping   | \$ 1,101.75    |
| 14799   | 20/06/2013   | FIRST AID ZONE                         | training           | \$ 246.33      |
| 14800   | 20/06/2013   | FOREST AGRI SERVICES LTD.              | planting-trees     | \$ 149.97      |
| 14801   | 20/06/2013   | FOREST CITY LEASING                    | Photocopier        | \$ 2,493.13    |
| 14802   | 20/06/2013   | GOLD CREEK FARMS LTD.                  | Pheasant Hunt-MSC  | \$ 300.00      |
| 14803   | 20/06/2013   | Grafiks Marketing & Communications     | Visitor Ads=CA     | \$ 1,186.50    |
| 14804   | 20/06/2013   | HAYTER PLUMBING & HEATING LTD.         | repairs            | \$ 288.15      |
| 14805   | 20/06/2013   | ERNIE HERRINGTON                       | gravel - WWK       | \$ 3,193.23    |
| 14806   | 20/06/2013   | HOSKIN SCIENTIFIC LIMITED              | lab testing        | \$ 141.25      |
| 14807   | 20/06/2013   | J & S LAWN CARE                        | grass cutting      | \$ 841.85      |
| 14808   | 20/06/2013   | JOHNSTON BROS.(BOTHWELL) LTD.          | gravel - AWC       | \$ 2,557.47    |

|       |            |                                     |                       |    |           |
|-------|------------|-------------------------------------|-----------------------|----|-----------|
| 14809 | 20/06/2013 | KEY CONTACT                         | postage-flyers        | \$ | 1,547.74  |
| 14810 | 20/06/2013 | KLEEFMAN CLEANING SERVICES          | office cleaning       | \$ | 508.50    |
| 14811 | 20/06/2013 | CLAUDE LAFRANCE                     | Expenses              | \$ | 1,197.46  |
| 14812 | 20/06/2013 | LONDON FIRE EQUIPMENT LTD.          | fire extinguisher     | \$ | 846.94    |
| 14813 | 20/06/2013 | Marks Work Warehouse                | uniform-clothing      | \$ | 132.15    |
| 14814 | 20/06/2013 | MARSHALL'S/MARBOLT COUNTRY DEPOT    | supplies              | \$ | 33.40     |
| 14815 | 20/06/2013 | BRIAN MCDUGALL                      | expenses              | \$ | 368.82    |
| 14816 | 20/06/2013 | MECHANICAL ADVERTISING              | signs - CA's          | \$ | 585.44    |
| 14817 | 20/06/2013 | MIDDLESEX PRINTING CORPORATION      | brochure printing     | \$ | 801.49    |
| 14818 | 20/06/2013 | MY FM                               | advertising           | \$ | 339.00    |
| 14819 | 20/06/2013 | Dan Nesbitt                         | camper refund         | \$ | 258.00    |
| 14820 | 20/06/2013 | CHUCK NICKLES                       | golf cart refund      | \$ | 125.00    |
| 14821 | 20/06/2013 | OCCUPATIONAL SAFETY GROUP INC.      | safety expense        | \$ | 84.58     |
| 14822 | 20/06/2013 | PETROLIA HOME HARDWARE              | supplies              | \$ | 65.50     |
| 14823 | 20/06/2013 | PODOLINSKY FARM EQUIPMENT           | parts                 | \$ | 194.59    |
| 14824 | 20/06/2013 | RIDGETOWN INDEPENDENT NEWS          | CA camping ads        | \$ | 66.45     |
| 14825 | 20/06/2013 | ROBERT G. WATERS                    | Exps.-OMB heaing      | \$ | 5,852.55  |
| 14826 | 20/06/2013 | SARNIA ART WALK                     | exhibit costs         | \$ | 226.00    |
| 14827 | 20/06/2013 | JESSICA SCHNAITHMANN                | expenses              | \$ | 78.65     |
| 14828 | 20/06/2013 | ALISON SEIDLER                      | expenses              | \$ | 123.16    |
| 14829 | 20/06/2013 | JEFF SHARP                          | expenses              | \$ | 291.28    |
| 14830 | 20/06/2013 | STEVE SHAW                          | expenses              | \$ | 84.70     |
| 14831 | 20/06/2013 | SLOAN'S NURSERY & CHRISTMAS TREES   | tree stock            | \$ | 6,554.90  |
| 14832 | 20/06/2013 | SMALL POTATO EXCAVATING             | digging expenses      | \$ | 355.95    |
| 14833 | 20/06/2013 | SOMERVILLE NURSERIES INC.           | tree stock            | \$ | 44,449.05 |
| 14834 | 20/06/2013 | MUNC. OF SOUTHWEST MIDDLESEX        | taxes                 | \$ | 1,217.47  |
| 14835 | 20/06/2013 | S S PLAYGROUND PLANNER              | CA equipment          | \$ | 117.88    |
| 14836 | 20/06/2013 | STRATHROY WELDING AND REPAIRS       | welding costs         | \$ | 1,808.00  |
| 14837 | 20/06/2013 | STRATHROY HOME HARDWARE BUILDING    | parts                 | \$ | 93.69     |
| 14838 | 20/06/2013 | SUN MEDIA CORPORATION               | ca ads                | \$ | 65.26     |
| 14839 | 20/06/2013 | THREE MAPLES VARIETY                | fuel                  | \$ | 888.13    |
| 14840 | 20/06/2013 | MIKE TIZZARD                        | P. Cash               | \$ | 461.51    |
| 14841 | 20/06/2013 | TOWNSHIP OF ENNISKILLEN             | water charges         | \$ | 795.16    |
| 14842 | 20/06/2013 | ONTARIO TRILLIUM FOUNDATION         | surplus return        | \$ | 4,000.00  |
| 14843 | 20/06/2013 | TSC STORES L.P.                     | parts                 | \$ | 586.11    |
| 14844 | 20/06/2013 | BILL TURNER                         | Expenses              | \$ | 137.50    |
| 14845 | 20/06/2013 | TOWNSHIP OF DAWN-EUPHEMIA           | water charges         | \$ | 29.20     |
| 14846 | 20/06/2013 | UNIVERSAL FIELD SUPPLIES            | parts, labour         | \$ | 436.63    |
| 14847 | 20/06/2013 | VALLEY LAWN CARE                    | Grass cutting         | \$ | 3,548.20  |
| 14848 | 20/06/2013 | VAN TUYL & FAIRBANK                 | parts                 | \$ | 356.38    |
| 14849 | 20/06/2013 | WARWICK AUTO SERVICE                | vehicle repair        | \$ | 924.33    |
| 14850 | 20/06/2013 | WARWICK GAS & VARIETY               | fuel - wwk.           | \$ | 588.79    |
| 14851 | 20/06/2013 | WASTE MANAGEMENT OF CANADA CORP.    | garbage collection CA | \$ | 1,440.83  |
| 14852 | 20/06/2013 | WATFORD HOME HARDWARE BUILDING      | lumber, supplies      | \$ | 792.33    |
| 14853 | 28/06/2013 | AQUA POOLS,PATIOS & SPAS            | pool supplies         | \$ | 121.01    |
| 14854 | 28/06/2013 | ARBORTECH PROFS. TREE CARE          | tree removal-CA       | \$ | 4,456.82  |
| 14855 | 28/06/2013 | BADDER BUS SERVICE                  | bus tour              | \$ | 678.00    |
| 14856 | 28/06/2013 | KEVAN BAKER                         | expenses              | \$ | 186.00    |
| 14857 | 28/06/2013 | BF ENVIRONMENTAL CONSULTANTS LTD.   | Wetland & Erosion     | \$ | 13,873.93 |
| 14858 | 28/06/2013 | BUFFETT, TAYLOR & ASSOCIATES INS. . | Group Ins.            | \$ | 10,285.13 |
| 14859 | 28/06/2013 | Burns Catering                      | bus tour              | \$ | 1,072.09  |
| 14860 | 28/06/2013 | Canada Catering Co. Ltd.            | bus tour              | \$ | 368.68    |
| 14861 | 28/06/2013 | CANPAR TRANSPORT L.P.               | courier costs         | \$ | 124.30    |

|       |            |  |                        |    |            |
|-------|------------|--|------------------------|----|------------|
| 14862 | 28/06/2013 | CENTRAL SANITATION                     | portable - CA          | \$ | 898.35     |
| 14863 | 28/06/2013 | MICHELLE FLETCHER                      | expenses               | \$ | 48.68      |
| 14864 | 28/06/2013 | GERBER ELECTRIC                        | electrical work        | \$ | 1,007.97   |
| 14865 | 28/06/2013 | HAYTER PLUMBING & HEATING LTD.         | plumbing - CA          | \$ | 176.85     |
| 14866 | 28/06/2013 | ERNIE HERRINGTON                       | gravel                 | \$ | 394.32     |
| 14867 | 28/06/2013 | JIM WHITE'S TRAILER SALES INC.         | trailer parts          | \$ | 171.70     |
| 14868 | 28/06/2013 | LEATHA JONES                           | bingo-Foundation       | \$ | 380.00     |
| 14869 | 28/06/2013 | K & H DISTRIBUTING                     | Fireworks-WWK          | \$ | 3,939.87   |
| 14870 | 28/06/2013 | HEATHER LONG                           | expenses               | \$ | 146.88     |
| 14871 | 28/06/2013 | LOVERS ATWORK OFFC.FURNITR.INC         | connectors             | \$ | 47.46      |
| 14872 | 28/06/2013 | PEDDEN GENERAL GLASS LTD               | glass shelf            | \$ | 198.26     |
| 14873 | 28/06/2013 | PETROLIA HOME HARDWARE                 | supplies               | \$ | 247.57     |
| 14874 | 28/06/2013 | PODOLINSKY FARM EQUIPMENT              | parts                  | \$ | 194.26     |
| 14875 | 28/06/2013 | Pollard Highway Products Ltd.          | dust control - CA      | \$ | 1,073.55   |
| 14876 | 28/06/2013 | PRINCESS AUTO                          | car parts              | \$ | 85.34      |
| 14877 | 28/06/2013 | GIRISH SANKAR                          | expenses               | \$ | 106.20     |
| 14878 | 28/06/2013 | SGS CANADA INC.                        | water sampling         | \$ | 793.26     |
| 14879 | 28/06/2013 | SHOREPLAN ENGINEERING LTD.             | Cathcart Park          | \$ | 949.20     |
| 14880 | 28/06/2013 | SIGNS AND DESIGNS                      | CA signs               | \$ | 1,498.38   |
| 14881 | 28/06/2013 | SUPERIOR PROPANE INC.                  | propane                | \$ | 385.88     |
| 14882 | 28/06/2013 | ST.CLAIR REGION CON.FOUNDATION         | Mem. Donations         | \$ | 660.00     |
| 14883 | 28/06/2013 | STRATHROY HOME HARDWARE BUILDING       | supplies               | \$ | 173.01     |
| 14884 | 28/06/2013 | ST. WILLIAMS NURSERY & ECOLOGY         | tree stock             | \$ | 2,532.90   |
| 14885 | 28/06/2013 | T & J BARKHOUSE FARMS                  | topsoil                | \$ | 628.85     |
| 14886 | 28/06/2013 | WARWICK AUTO SERVICE                   | truck service          | \$ | 221.29     |
| 14887 | 28/06/2013 | WATSON TIM-BR MART                     | supplies               | \$ | 785.35     |
| 14888 | 28/06/2013 | WINDOVER NURSERIES INC.                | tree stock             | \$ | 271.87     |
| 14889 | 28/06/2013 | WORKPLACE SAFETY & INS. BOARD          | June Remittance        | \$ | 4,379.08   |
| 14890 | 28/06/2013 | YELLOW PAGES GROUP                     | advertisement          | \$ | 24.35      |
| 14891 | 03/07/2013 | AON REED STENHOUSE INC.                | 2013 Ins. Policy       | \$ | 105,607.68 |
| 14892 | 03/07/2013 | East Lambton School                    | refund-edc.trips       | \$ | 8.50       |
| 14893 | 03/07/2013 | Rosedale Public School                 | refund-edc.trips       | \$ | 126.00     |
| 14894 | 03/07/2013 | TOWNSHIP OF ENNISKILLEN                | water charges          | \$ | 133.90     |
| 14895 | 05/07/2013 | P.CASH-D.BRODIE                        | petty cash             | \$ | 376.50     |
| 14896 | 05/07/2013 | Rural Lambton Stewardship Network      | Final -Trillium Grant  | \$ | 15,000.00  |
| 14897 | 17/07/2013 | 21 SHELL & VARIETY                     | fuel                   | \$ | 591.00     |
| 14898 | 17/07/2013 | AQUA POOLS,PATIOS & SPAS               | pool supplies          | \$ | 110.73     |
| 14899 | 17/07/2013 | ARCTIC GLACIER INC.                    | ice                    | \$ | 882.40     |
| 14900 | 17/07/2013 | BATTLEFIELD EQUIPMENT RENTALS          | equipment rental       | \$ | 189.37     |
| 14901 | 17/07/2013 | DIANNA BATTSON                         | proof-reading          | \$ | 60.00      |
| 14902 | 17/07/2013 | BF ENVIRONMENTAL CONSULTANTS LTD.      | wetland, erosion       | \$ | 10,622.93  |
| 14903 | 17/07/2013 | 1841792 ONT. INC., BILL BRON ELECTRIC  | Electrical-office      | \$ | 429.37     |
| 14904 | 17/07/2013 | Campbells Outdoor Power Equipment Ltd. | lawnmower repair       | \$ | 26.54      |
| 14905 | 17/07/2013 | Canadian Linen & Uniform               | office mats            | \$ | 28.25      |
| 14906 | 17/07/2013 | CANPAR TRANSPORT L.P.                  | courier                | \$ | 42.19      |
| 14907 | 17/07/2013 | BARRY CARD                             | OMB hearing            | \$ | 714.16     |
| 14908 | 17/07/2013 | CAS KWARCIAK ELECTRIC                  | electrical             | \$ | 533.93     |
| 14909 | 17/07/2013 | CENTRAL SANITATION                     | portables              | \$ | 129.95     |
| 14910 | 17/07/2013 | COR'S MOTORS LTD.                      | vehicle repair         | \$ | 100.57     |
| 14911 | 17/07/2013 | COUNTY OF LAMBTON                      | septic - permit        | \$ | 500.00     |
| 14912 | 17/07/2013 | DELAWARE PUMP & PARTS LIMITED          | sprayer parts          | \$ | 33.18      |
| 14913 | 17/07/2013 | ENTERPRISE RENT-A-CAR CANADA LTD       | vehicles-larvaciding   | \$ | 2,139.94   |
| 14914 | 17/07/2013 | FOREST AGRI SERVICES LTD.              | supplies-tree planting | \$ | 953.63     |

|       |            |                                   |                    |    |           |
|-------|------------|-----------------------------------|--------------------|----|-----------|
| 14915 | 17/07/2013 | FOREST CITY BUSINESS EQUIPMENT    | scanner            | \$ | 372.90    |
| 14916 | 17/07/2013 | FOREST CITY LEASING               | photocopier        | \$ | 293.80    |
| 14917 | 17/07/2013 | MELISSA GILL                      | expenses           | \$ | 13.56     |
| 14918 | 17/07/2013 | Judy Henderson                    | camper refund      | \$ | 843.50    |
| 14919 | 17/07/2013 | HEYLAND FARMS LTD./DOUG MCGEE     | field work         | \$ | 452.00    |
| 14920 | 17/07/2013 | HILLEN NURSERY INC.               | tree stock         | \$ | 118.65    |
| 14921 | 17/07/2013 | J & S LAWN CARE                   | grass cutting      | \$ | 293.80    |
| 14922 | 17/07/2013 | K & H DISTRIBUTING                | fireworks- AWC     | \$ | 2,400.00  |
| 14923 | 17/07/2013 | KLEEFMAN CLEANING SERVICES        | office cleaning    | \$ | 452.00    |
| 14924 | 17/07/2013 | KYIS EMBROIDERY                   | scrca logo         | \$ | 27.12     |
| 14925 | 17/07/2013 | LAKESIDE GRAIN & FEED LTD.        | chemicals          | \$ | 592.00    |
| 14926 | 17/07/2013 | LAMBTON KENT FARM IMPLEMENTS LTD  | parts              | \$ | 69.27     |
| 14927 | 17/07/2013 | LARRY MACDONALD CHEV OLDS         | service            | \$ | 11.18     |
| 14928 | 17/07/2013 | LONDEX OFFICE PRODUCTS            | office supplies    | \$ | 265.43    |
| 14929 | 17/07/2013 | Marks Work Warehouse              | clothing           | \$ | 203.92    |
| 14930 | 17/07/2013 | MARSHALL'S/MARBOLT COUNTRY DEPOT  | supplies           | \$ | 111.86    |
| 14931 | 17/07/2013 | MCDONNELL MOTORS LTD.             | parts              | \$ | 78.06     |
| 14932 | 17/07/2013 | BRIAN MCDOUGALL                   | expenses           | \$ | 637.78    |
| 14933 | 17/07/2013 | SHARON NETHERCOTT                 | expenses           | \$ | 226.40    |
| 14934 | 17/07/2013 | The Old Czech Hall                | Hall Rental        | \$ | 100.00    |
| 14935 | 17/07/2013 | PETROLIA HOME HARDWARE            | supplies           | \$ | 80.75     |
| 14936 | 17/07/2013 | PRINCESS AUTO                     | parts              | \$ | 79.08     |
| 14937 | 17/07/2013 | RIDGETOWN INDEPENDENT NEWS        | CA ads             | \$ | 53.16     |
| 14938 | 17/07/2013 | SHERRY TURNER                     | work boots         | \$ | 100.00    |
| 14939 | 17/07/2013 | SIGNS AND DESIGNS                 | CA signs           | \$ | 79.10     |
| 14940 | 17/07/2013 | SUPERIOR PROPANE INC.             | propane            | \$ | 670.00    |
| 14941 | 17/07/2013 | ST.CLAIR REGION CON.FOUNDATION    | mem. Donations     | \$ | 60.00     |
| 14942 | 17/07/2013 | STRATHROY HOME HARDWARE BUILDING  | supplies           | \$ | 569.66    |
| 14943 | 17/07/2013 | ST. WILLIAMS NURSERY & ECOLOGY    | tree stock         | \$ | 2,095.97  |
| 14944 | 17/07/2013 | SUPERIOR COMPUTER SALES INC.      | computer supplies  | \$ | 793.26    |
| 14945 | 17/07/2013 | THREE MAPLES VARIETY              | fuel               | \$ | 708.46    |
| 14946 | 17/07/2013 | MIKE TIZZARD                      | expenses           | \$ | 204.61    |
| 14947 | 17/07/2013 | T & J BARKHOUSE FARMS             | topsoil            | \$ | 572.35    |
| 14948 | 17/07/2013 | TSC STORES L.P.                   | supplies           | \$ | 102.76    |
| 14949 | 17/07/2013 | TOWNSHIP OF WARWICK               | taxes              | \$ | 1,481.47  |
| 14950 | 17/07/2013 | Twenty-Two Auto Body Ltd.         | repairs            | \$ | 56.50     |
| 14951 | 17/07/2013 | UNIVERSITY OF GUELPH              | pesticide licenses | \$ | 297.00    |
| 14952 | 17/07/2013 | UPPER THAMES RIVER CONS. AUTH.    | Planting project   | \$ | 8,637.91  |
| 14953 | 17/07/2013 | VALLEY LAWN CARE                  | grass cutting      | \$ | 3,457.80  |
| 14954 | 17/07/2013 | VAN TUYL & FAIRBANK               | parts              | \$ | 472.99    |
| 14955 | 17/07/2013 | WARWICK GAS & VARIETY             | fuel               | \$ | 837.51    |
| 14956 | 17/07/2013 | WATFORD HOME HARDWARE BUILDING    | supplies           | \$ | 1,355.87  |
| 14957 | 17/07/2013 | WASTECORP                         | repair work        | \$ | 354.02    |
| 14958 | 26/07/2013 | BUFFETT, TAYLOR & ASSOCIATES INS. | Grp. Ins.          | \$ | 9,609.89  |
| 14959 | 26/07/2013 | MUNICIPALITY OF CHATHAM KENT      | taxes              | \$ | 7,613.51  |
| 14960 | 26/07/2013 | TOWNSHIP OF ST. CLAIR             | taxes              | \$ | 15,647.78 |
| 14961 | 26/07/2013 | KENT TROLLOPE                     | grant              | \$ | 4,327.50  |
| 14962 | 26/07/2013 | WORKPLACE SAFETY & INS. BOARD     | remittance         | \$ | 6,471.36  |
| 14963 | 31/07/2013 | ACTON'S SERVICE CENTRE            | tire repair        | \$ | 532.82    |
| 14964 | 31/07/2013 | ARCTIC GLACIER INC.               | ice                | \$ | 381.30    |
| 14965 | 31/07/2013 | MARK BAKELAAR                     | expenses           | \$ | 94.91     |
| 14966 | 31/07/2013 | BARNES DISTRIBUTION-GROUP INC.    | padlocks           | \$ | 251.05    |
| 14967 | 31/07/2013 | BATTLEFIELD EQUIPMENT RENTALS     | rental             | \$ | 9.02      |

|       |            |                                    |                     |    |          |
|-------|------------|------------------------------------|---------------------|----|----------|
| 14968 | 31/07/2013 | GLENN BAXTER                       | work boots          | \$ | 100.00   |
| 14969 | 31/07/2013 | Canadian Linen & Uniform           | office mats         | \$ | 57.36    |
| 14970 | 31/07/2013 | CANPAR TRANSPORT L.P.              | courier costs       | \$ | 8.62     |
| 14971 | 31/07/2013 | CDW CANADA INC.                    | computer-supplies   | \$ | 316.86   |
| 14972 | 31/07/2013 | CENTRAL SANITATION                 | portables           | \$ | 3,197.90 |
| 14973 | 31/07/2013 | COINAMATIC                         | campgrounds         | \$ | 58.26    |
| 14974 | 31/07/2013 | COJAN GREENHOUSES                  | plants - CA's       | \$ | 334.35   |
| 14975 | 31/07/2013 | CORP. OF THE TOWN OF PETROLIA      | taxes               | \$ | 204.53   |
| 14976 | 31/07/2013 | MALCOLM J. CROWE ELECTRIC          | electrical work     | \$ | 4,152.75 |
| 14977 | 31/07/2013 | ENVIRON INTERNATIONAL CORP.        | AOC-St. Clair River | \$ | 6,580.30 |
| 14978 | 31/07/2013 | GARY FALCONER TRANSPORT LIMITED    | topsoil             | \$ | 339.00   |
| 14979 | 31/07/2013 | GERBER ELECTRIC                    | electrical- CA      | \$ | 639.94   |
| 14980 | 31/07/2013 | HAYTER PLUMBING & HEATING LTD.     | plumbing            | \$ | 22.71    |
| 14981 | 31/07/2013 | ERNIE HERRINGTON                   | grave; - CA         | \$ | 339.00   |
| 14982 | 31/07/2013 | J & S LAWN CARE                    | grass cutting       | \$ | 793.26   |
| 14983 | 31/07/2013 | LEATHA JONES                       | bingos-foundation   | \$ | 380.00   |
| 14984 | 31/07/2013 | KYIS EMBROIDERY                    | SCRCA logo          | \$ | 214.70   |
| 14985 | 31/07/2013 | LAFARGE CANADA INC.                | gravel              | \$ | 1,950.37 |
| 14986 | 31/07/2013 | LANDSTRA CATERING                  | meeting -lunch      | \$ | 248.93   |
| 14987 | 31/07/2013 | LOBLAW COMPANIES LIMITED           | meeting supplies    | \$ | 39.16    |
| 14988 | 31/07/2013 | LYRECO (CANADA) INC.               | office supplies     | \$ | 163.06   |
| 14989 | 31/07/2013 | Marks Work Warehouse               | clothing            | \$ | 138.28   |
| 14990 | 31/07/2013 | MARK'S WORK WAREHOUSE              | clothing            | \$ | 44.56    |
| 14991 | 31/07/2013 | MARSHALL'S/MARBOLT COUNTRY DEPOT   | supplies            | \$ | 84.23    |
| 14992 | 31/07/2013 | NIELSEN'S FLOWERS/COUNTRYGOOSE     | flowers             | \$ | 141.25   |
| 14993 | 31/07/2013 | NOVA SPORTS EQUIPMENT LTD.         | kayak handles       | \$ | 56.95    |
| 14994 | 31/07/2013 | PETROLIA HOME HARDWARE             | supplies            | \$ | 86.59    |
| 14995 | 31/07/2013 | PODOLINSKY FARM EQUIPMENT          | parts               | \$ | 279.67   |
| 14996 | 31/07/2013 | SGS CANADA INC.                    | water testing       | \$ | 1,310.80 |
| 14997 | 31/07/2013 | STEVE SHAW                         | expenses            | \$ | 250.00   |
| 14998 | 31/07/2013 | SUPERIOR PROPANE INC.              | propane             | \$ | 380.75   |
| 14999 | 31/07/2013 | ST.CLAIR REGION CON.FOUNDATION     | mem. Donations      | \$ | 1,200.00 |
| 15000 | 31/07/2013 | STRATHROY HOME HARDWARE BUILDING   | supplies            | \$ | 58.01    |
| 15001 | 31/07/2013 | STRATHROY TIRE SALES & SERVICE     | tire repair         | \$ | 25.00    |
| 15002 | 31/07/2013 | SWISH MAINTENANCE LIMITED          | CA supplies         | \$ | 175.60   |
| 15003 | 31/07/2013 | MIKE TIZZARD                       | expenses            | \$ | 533.63   |
| 15004 | 31/07/2013 | TSC STORES L.P.                    | parts               | \$ | 185.56   |
| 15005 | 31/07/2013 | WASTE MANAGEMENT OF CANADA CORP.   | garbage collection  | \$ | 2,434.16 |
| 15006 | 31/07/2013 | WATFORD HOME HARDWARE BUILDING     | supplies            | \$ | 149.81   |
| 15007 | 31/07/2013 | WATSON TIM-BR MART                 | lumber-CA           | \$ | 91.72    |
| 15008 | 31/07/2013 | Yellow Pages Group                 | advertising         | \$ | 24.35    |
| 15009 | 31/07/2013 | RIVERVIEW                          | auto parts          | \$ | 457.57   |
| 15010 | 31/07/2013 | ADVANTAGE FARM EQUIPMENT LTD.      | parts               | \$ | 31.09    |
| 15011 | 31/07/2013 | P.CASH-D.BRODIE                    | petty cash          | \$ | 390.80   |
| 15012 | 15/08/2013 | ARCTIC GLACIER INC.                | ice                 | \$ | 554.95   |
| 15013 | 15/08/2013 | AUSABLE BAYFIELD CON.AUTHORITY     | Tall grass planting | \$ | 1,389.20 |
| 15014 | 15/08/2013 | BATTLEFIELD EQUIPMENT RENTALS      | equipment rental    | \$ | 367.11   |
| 15015 | 15/08/2013 | BF ENVIRONMENTAL CONSULTANTS LTD.  | wetland, erosion    | \$ | 9,323.94 |
| 15016 | 15/08/2013 | HARRY BROWN                        | work boots          | \$ | 100.00   |
| 15017 | 15/08/2013 | MUNC. TOWNSHIP OF BROOKE-ALVINSTON | taxes               | \$ | 1,002.66 |
| 15018 | 15/08/2013 | CANPAR TRANSPORT L.P.              | courier             | \$ | 30.94    |
| 15019 | 15/08/2013 | CENTRAL SANITATION                 | portables -CA       | \$ | 131.36   |
| 15020 | 15/08/2013 | STEPHEN CLARK                      | expenses            | \$ | 180.65   |

|       |            |   |                        |    |           |
|-------|------------|---|------------------------|----|-----------|
| 15021 | 15/08/2013 | CP INDUSTRIES LTD.                            | deodorizers            | \$ | 1,845.52  |
| 15022 | 15/08/2013 | COUNTY OF LAMBTON                             | Tire Disposal          | \$ | 132.50    |
| 15023 | 15/08/2013 | LUCAS DERKS                                   | work boots             | \$ | 100.00    |
| 15024 | 15/08/2013 | ENTERPRISE RENT-A-CAR CANADA LIMITED          | vehicle rental-larvac. | \$ | 3,118.34  |
| 15025 | 15/08/2013 | Forest Agricultural Society                   | meeting -lunch         | \$ | 126.00    |
| 15026 | 15/08/2013 | FOREST CITY LEASING                           | photocopier            | \$ | 293.80    |
| 15027 | 15/08/2013 | Shirley Heinen                                | pavilion refund        | \$ | 60.00     |
| 15028 | 15/08/2013 | ERNIE HERRINGTON                              | gravel - CA            | \$ | 1,024.13  |
| 15029 | 15/08/2013 | H.R. DESA ENTERPRISES LTD.                    | worms - CA             | \$ | 146.90    |
| 15030 | 15/08/2013 | LAKESIDE GRAIN & FEED LTD.                    | chemicals              | \$ | 697.00    |
| 15031 | 15/08/2013 | LARRY MACDONALD CHEV OLDS                     | vehicle repair         | \$ | 264.05    |
| 15032 | 15/08/2013 | MCCARRON PLUMBING & HEATING LTD               | repairs- mck           | \$ | 153.63    |
| 15033 | 15/08/2013 | BRIAN MCDOUGALL                               | expenses               | \$ | 303.92    |
| 15034 | 15/08/2013 | MSD Inc.                                      | picnic tables          | \$ | 962.74    |
| 15035 | 15/08/2013 | MUNICIPALITY OF LAMBTON SHORES                | taxes                  | \$ | 417.30    |
| 15036 | 15/08/2013 | MUNICIPALITY OF MIDDLESEX CENTRE              | taxes                  | \$ | 304.27    |
| 15037 | 15/08/2013 | MUNICIPALITY OF STRATHROY-CARADOC             | taxes                  | \$ | 951.03    |
| 15038 | 15/08/2013 | PODOLINSKY FARM EQUIPMENT                     | parts                  | \$ | 148.39    |
| 15039 | 15/08/2013 | PRINCESS AUTO                                 | parts                  | \$ | 79.08     |
| 15040 | 15/08/2013 | RONA CASHWAY                                  | building supplies      | \$ | 42.88     |
| 15041 | 15/08/2013 | Sani - International Techonolgy Advisors Inc. | GXP-3D mapping         | \$ | 21,554.75 |
| 15042 | 15/08/2013 | SRNA/LMBTN CHAMBER OF COMMERCE                | membership             | \$ | 90.00     |
| 15043 | 15/08/2013 | MUNICIPALITY OF SOUTHWEST MIDDLESEX           | taxes                  | \$ | 835.81    |
| 15044 | 15/08/2013 | Strathroy & District Chamber of Commerce      | membership             | \$ | 185.00    |
| 15045 | 15/08/2013 | STRATHROY HOME HARDWARE BUILDING              | supplies               | \$ | 197.70    |
| 15046 | 15/08/2013 | SUPERIOR COMPUTER SALES INC.                  | computer supplies      | \$ | 4,670.29  |
| 15047 | 15/08/2013 | THREE MAPLES VARIETY                          | fuel                   | \$ | 874.69    |
| 15048 | 15/08/2013 | MIKE TIZZARD                                  | expenses               | \$ | 381.33    |
| 15049 | 15/08/2013 | MAX UNDERHILL'S FARM SUPPLY                   | garlon                 | \$ | 5,988.22  |
| 15050 | 15/08/2013 | VAN TUYL & FAIRBANK                           | supplies               | \$ | 32.77     |
| 15051 | 15/08/2013 | WARWICK AUTO SERVICE                          | auto repair            | \$ | 56.44     |
| 15052 | 15/08/2013 | WARWICK GAS & VARIETY                         | fuel                   | \$ | 756.67    |
| 15053 | 15/08/2013 | WATFORD HOME HARDWARE BUILDING                | supplies               | \$ | 145.75    |
| 15054 | 15/08/2013 | Westgate Wreckers                             | towing vehicle         | \$ | 45.20     |
| 15055 | 15/08/2013 | SHANE WHITE                                   | expenses               | \$ | 20.00     |
| 15056 | 22/08/2013 | 21 SHELL & VARIETY                            | fuel                   | \$ | 568.50    |
| 15057 | 22/08/2013 | ARBORTECH PROFS. TREE CARE                    | tree cutting           | \$ | 344.65    |
| 15058 | 22/08/2013 | ARCTIC GLACIER INC.                           | ice                    | \$ | 455.44    |
| 15059 | 22/08/2013 | TERRY BARRIE                                  | expenses               | \$ | 218.15    |
| 15060 | 22/08/2013 | BKL CONSULTING ENGINEERS                      | septic system-lch      | \$ | 1,246.53  |
| 15061 | 22/08/2013 | BUFFETT, TAYLOR & ASSOCIATES INS.             | Group Ins.             | \$ | 9,742.37  |
| 15062 | 22/08/2013 | Campbells Outdoor Power Equipment Ltd.        | lawn mower             | \$ | 143.23    |
| 15063 | 22/08/2013 | Canadian Linen & Uniiform                     | office mats            | \$ | 57.36     |
| 15064 | 22/08/2013 | CANPAR TRANSPORT L.P.                         | courier costs          | \$ | 8.62      |
| 15065 | 22/08/2013 | CENTRAL SANITATION                            | portables              | \$ | 1,305.14  |
| 15066 | 22/08/2013 | COINAMATIC                                    | campgrounds            | \$ | 58.26     |
| 15067 | 22/08/2013 | DELAWARE PUMP & PARTS LIMITED                 | spray parts            | \$ | 144.17    |
| 15068 | 22/08/2013 | DUN-RITE LANDSCAPING INC.                     | grass cutting          | \$ | 508.50    |
| 15069 | 22/08/2013 | GARY FALCONER TRANSPORT LIMITED               | dust & clip            | \$ | 978.02    |
| 15070 | 22/08/2013 | FOREST AGRI SERVICES LTD.                     | chemicals              | \$ | 437.43    |
| 15071 | 22/08/2013 | ERNIE HERRINGTON                              | gravel - CA            | \$ | 169.50    |
| 15072 | 22/08/2013 | INFORMATION NETWORK SYSTEMS                   | neopost                | \$ | 314.14    |
| 15073 | 22/08/2013 | LEATHA JONES                                  | Bingo                  | \$ | 380.00    |

|       |            |                                       |                          |    |           |
|-------|------------|---------------------------------------|--------------------------|----|-----------|
| 15074 | 22/08/2013 | KEY CONTACT                           | postage -flyers          | \$ | 653.90    |
| 15075 | 22/08/2013 | KYIS EMBROIDERY                       | SCRCA logo               | \$ | 253.12    |
| 15076 | 22/08/2013 | LONDEX OFFICE PRODUCTS                | office supplies          | \$ | 104.23    |
| 15077 | 22/08/2013 | Mackenzie Oil Limited                 | gear oil                 | \$ | 94.19     |
| 15078 | 22/08/2013 | TIM PAYNE                             | expenses                 | \$ | 108.59    |
| 15079 | 22/08/2013 | PETROLIA HOME HARDWARE                | supplies                 | \$ | 132.67    |
| 15080 | 22/08/2013 | RIDGETOWN INDEPENDENT NEWS            | CA ads                   | \$ | 66.45     |
| 15081 | 22/08/2013 | SIGNS AND DESIGNS                     | signs - CA               | \$ | 354.91    |
| 15082 | 22/08/2013 | Simpson's Fence (Chatham) Ltd.        | fencing-kimball side rd. | \$ | 2,674.37  |
| 15083 | 22/08/2013 | SUPERIOR PROPANE INC.                 | Propane                  | \$ | 780.31    |
| 15084 | 22/08/2013 | SWISH MAINTENANCE LIMITED             | supplies - CA            | \$ | 184.59    |
| 15085 | 22/08/2013 | MIKE TIZZARD                          | P. Cash                  | \$ | 308.53    |
| 15086 | 22/08/2013 | TOWNSHIP OF ST. CLAIR                 | water                    | \$ | 25.00     |
| 15087 | 22/08/2013 | TSC STORES L.P.                       | supplies                 | \$ | 9.09      |
| 15088 | 22/08/2013 | TOWNSHIP OF DAWN-EUPHEMIA             | water                    | \$ | 176.40    |
| 15089 | 22/08/2013 | VALLEY LAWN CARE                      | grass cutting            | \$ | 3,757.25  |
| 15090 | 22/08/2013 | Van Bree Drainage And Bulldozing Ltd. | Sarnia erosion           | \$ | 6,271.50  |
| 15091 | 22/08/2013 | WASTE MANAGEMENT OF CANADA CORP.      | garbage collection       | \$ | 2,651.31  |
| 15092 | 22/08/2013 | WATFORD HOME HARDWARE BUILDING        | supplies                 | \$ | 1,425.77  |
| 15093 | 22/08/2013 | WELLMARK INTERNATIONAL LBX 910230     | larvacide supplies       | \$ | 14,699.49 |
| 15094 | 22/08/2013 | WINDOVER NURSERIES INC.               | trees                    | \$ | 61.00     |
| 15095 | 22/08/2013 | Yellow Pages Group                    | advertisement            | \$ | 24.35     |
| 15096 | 29/08/2013 | ARBORTECH PROFS. TREE CARE            | tree cutting             | \$ | 542.40    |
| 15097 | 29/08/2013 | ARCTIC GLACIER INC.                   | ice                      | \$ | 364.75    |
| 15098 | 29/08/2013 | DIANNA BATTSON                        | Proof reading            | \$ | 440.00    |
| 15099 | 29/08/2013 | P.CASH-D.BRODIE                       | P. Cash                  | \$ | 397.75    |
| 15100 | 29/08/2013 | CANPAR TRANSPORT L.P.                 | courier costs            | \$ | 28.22     |
| 15101 | 29/08/2013 | CAS KWARCIAK ELECTRIC                 | electrical repair        | \$ | 367.48    |
| 15102 | 29/08/2013 | CENTRAL SANITATION                    | portables                | \$ | 305.10    |
| 15103 | 29/08/2013 | DOWLER KARN PROPANE                   | propane                  | \$ | 40.68     |
| 15104 | 29/08/2013 | GERBER ELECTRIC                       | electrical repair        | \$ | 174.00    |
| 15105 | 29/08/2013 | ERNIE HERRINGTON                      | electrical repair        | \$ | 2,305.04  |
| 15106 | 29/08/2013 | J & S LAWN CARE                       | grass cutting            | \$ | 1,470.13  |
| 15107 | 29/08/2013 | JEG'S                                 | vehicle repair           | \$ | 63.02     |
| 15108 | 29/08/2013 | KLEEFMAN CLEANING SERVICES            | office cleaning          | \$ | 452.00    |
| 15109 | 29/08/2013 | LONDEX OFFICE PRODUCTS                | office supplies          | \$ | 15.27     |
| 15110 | 29/08/2013 | PETROLIA HOME HARDWARE                | supplies                 | \$ | 43.79     |
| 15111 | 29/08/2013 | VILLAGE OF POINT EDWARD               | taxes                    | \$ | 1,500.00  |
| 15112 | 29/08/2013 | ST.CLAIR REGION CON.FOUNDATION        | mem. Donations           | \$ | 120.00    |
| 15113 | 29/08/2013 | STRATHROY HOME HARDWARE BUILDING      | supplies                 | \$ | 2,232.80  |
| 15114 | 29/08/2013 | THREE MAPLES VARIETY                  | fuel                     | \$ | 779.93    |
| 15115 | 29/08/2013 | Joe Woodall                           | camper refund            | \$ | 114.00    |
| 15116 | 29/08/2013 | WORKPLACE SAFETY & INS. BOARD         | Remittance-July          | \$ | 4,282.46  |

**TOTAL DISBURSEMENTS - BANK NO. 1 -**

**\$ 578,565.12**

**INTERNET BANKING - BANK NO. 1**

| <b>Chq. No.</b> | <b>Payment Date</b> | <b>Vendor/Pavee Name</b> | <b>Description</b> |    | <b>Payment Amount</b> |
|-----------------|---------------------|--------------------------|--------------------|----|-----------------------|
| 6001            | 30/06/2013          | BELL CANADA              | PHONE              | \$ | 81.58                 |
| 6002            | 30/06/2013          | BELL MOBILITY CELLULAR   | MOBILE PHONE       | \$ | 52.15                 |
| 6003            | 30/06/2013          | BROOKE TELECOM CO-OP     | STR. GAUGES        | \$ | 976.29                |

|      |            |                                       |              |    |           |
|------|------------|---------------------------------------|--------------|----|-----------|
| 6004 | 30/06/2013 | EASTLINK                              | INTERNET     | \$ | 45.15     |
| 6005 | 30/06/2013 | ENTEGRUS SERVICES INC. (CHATHAM-KENT) | HYDRO        | \$ | 897.01    |
| 6006 | 30/06/2013 | EXECULINK INTERNET INC.               | INTERNET     | \$ | 1,513.45  |
| 6008 | 30/06/2013 | HYDRO ONE                             | HYDRO        | \$ | 12,909.15 |
| 6009 | 30/06/2013 | MASTERCARD                            | EXPENSES     | \$ | 2,421.21  |
| 6010 | 30/06/2013 | PETRO CANADA INC.                     | FUEL         | \$ | 3,863.67  |
| 6011 | 30/06/2013 | ROGERS WIRELESS                       | PHONES       | \$ | 1,226.20  |
| 6012 | 30/06/2013 | STAPLES BUSINESS DEPOT                | SUPPLIES     | \$ | 274.28    |
| 6013 | 30/06/2013 | UNION GAS LIMITED                     | HEATING      | \$ | 170.22    |
| 7000 | 31/07/2013 | BELL CANADA                           | PHONE        | \$ | 86.72     |
| 7001 | 31/07/2013 | BELL MOBILITY CELLULAR                | MOBILE PHONE | \$ | 59.34     |
| 7002 | 31/07/2013 | BLUEWATER POWER                       | HYDRO        | \$ | 136.31    |
| 7003 | 31/07/2013 | BROOKE TELECOM CO-OP                  | PHONE        | \$ | 977.38    |
| 7004 | 31/07/2013 | EASTLINK                              | INTERNET     | \$ | 45.15     |
| 7005 | 31/07/2013 | ENTEGRUS SERVICES INC. (CHATHAM-KENT) | HYDRO        | \$ | 45.36     |
| 7006 | 31/07/2013 | ENTEGRUS SERVICES INC. (MIDDLESEX)    | HYDRO        | \$ | 893.44    |
| 7007 | 31/07/2013 | EXECULINK INTERNET INC.               | INTERNET     | \$ | 1,517.06  |
| 7009 | 31/07/2013 | HYDRO ONE                             | HYDRO        | \$ | 26,132.96 |
| 7010 | 31/07/2013 | MASTERCARD                            | EXPENSES     | \$ | 2,185.90  |
| 7011 | 31/07/2013 | PETRO CANADA INC.                     | FUEL         | \$ | 4,798.94  |
| 7012 | 31/07/2013 | ROGERS WIRELESS                       | PHONES       | \$ | 1,124.57  |
| 7013 | 31/07/2013 | STAPLES BUSINESS DEPOT-EFT            | SUPPLIES     | \$ | 351.17    |
| 7014 | 31/07/2013 | UNION GAS LIMITED                     | HEATING      | \$ | 106.80    |
| 8001 | 30/08/2013 | BELL CANADA                           | PHONE        | \$ | 80.11     |
| 8002 | 30/08/2013 | BELL MOBILITY CELLULAR                | MOBILE PHONE | \$ | 20.00     |
| 8003 | 30/08/2013 | BROOKE TELECOM CO-OP                  | PHONE        | \$ | 589.37    |
| 8004 | 30/08/2013 | EASTLINK                              | INTERNET     | \$ | 45.15     |
| 8005 | 30/08/2013 | ENTEGRUS SERVICES INC. (CHATHAM-KENT) | HYDRO        | \$ | 92.74     |
| 8006 | 30/08/2013 | ENTEGRUS SERVICES INC. (MIDDLESEX)    | HYDRO        | \$ | 885.02    |
| 8007 | 30/08/2013 | EXECULINK INTERNET INC.               | HYDRO        | \$ | 1,516.61  |
| 8009 | 30/08/2013 | HYDRO ONE                             | HYDRO        | \$ | 31,713.15 |
| 8010 | 30/08/2013 | PETRO CANADA INC.                     | FUEL         | \$ | 5,101.49  |
| 8011 | 30/08/2013 | ROGERS WIRELESS                       | PHONES       | \$ | 1,169.45  |
| 8012 | 30/08/2013 | STAPLES BUSINESS DEPOT                | SUPPLIES     | \$ | 654.81    |
| 8013 | 30/08/2013 | UNION GAS LIMITED                     | HEATING      | \$ | 77.93     |
| 6014 | 30/08/2013 | MASTERCARD                            | EXPENSES     | \$ | 3,556.99  |

**TOTAL INTERNET BANKING -**

**\$ 108,394.28**

**PAYROLL RUNS FROM JUNE 1 TO AUGUST 31, 2013**

|                  |    |           |
|------------------|----|-----------|
| PAYROLL NO. 8 -  | \$ | 70,803.58 |
| PAYROLL NO. 9 -  | \$ | 76,075.45 |
| PAYROLL NO. 10 - | \$ | 73,619.65 |
| PAYROLL NO. 11 - | \$ | 92,852.56 |
| PAYROLL NO. 12 - | \$ | 89,514.72 |
| PAYROLL NO. 13 - | \$ | 83,678.54 |
| PAYROLL NO. 14 - | \$ | 83,548.54 |
| PAYROLL NO. 15 - | \$ | 89,584.85 |
| PAYROLL NO. 16 - | \$ | 83,571.73 |
| PAYROLL NO. 17 - | \$ | 81,981.25 |
| PAYROLL NO. 18 - | \$ | 81,452.99 |

**TOTAL PAYROLL RUNS - JUNE 1-AUG. 31, 2013 -**

**\$ 906,683.86**



**TOTAL DISBURSEMENTS - JUNE 1 TO AUGUST 31, 2013 -**

**\$ 1,593,643.26**

**2013 GENERAL LEVY SUMMARY  
AS OF AUGUST 30, 2013, 2013**

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**GLYSUM2013  
Diane Brodie  
Aug. 30, 2013**

| <b>MUNICIPALITY</b>    | <b>GROSS LEVY</b>    | <b>PAID TO DATE</b>  | <b>OUTSTANDING</b>   |
|------------------------|----------------------|----------------------|----------------------|
| -----                  | -----                | -----                | -----                |
| Sarnia                 | \$ 262,119.00        | \$ 131,059.50        | \$ 131,059.50        |
| Chatham-Kent           | 85,719.00            | 85,719.00            | 0.00                 |
| Brooke-Alvinston Twp.  | 9,478.00             | 9,478.00             | 0.00                 |
| Dawn Euphemia Twp.     | 14,084.00            | 7,042.00             | 7,042.00             |
| Enniskillen Twp.       | 10,523.00            | 10,523.00            | 0.00                 |
| Lambton Shores M.      | 29,001.00            | 29,001.00            | 0.00                 |
| Oil Springs V          | 1,260.00             | 1,260.00             | 0.00                 |
| Petrolia T             | 15,908.00            | 15,908.00            | 0.00                 |
| Plympton-Wyoming T     | 30,011.00            | 15,005.50            | 15,005.50            |
| Point Edward V         | 15,307.00            | 15,307.00            | 0.00                 |
| St. Clair Twp.         | 67,773.00            | 67,773.00            | 0.00                 |
| Warwick Twp.           | 12,388.00            | 12,388.00            | 0.00                 |
| Adelaide Metcalfe Twp. | 9,488.00             | 9,488.00             | 0.00                 |
| Middlesex Centre Twp.  | 11,893.00            | 11,893.00            | 0.00                 |
| Newbury V              | 941.00               | 941.00               | 0.00                 |
| Southwest Middlesex M. | 6,499.00             | 6,499.00             | 0.00                 |
| Strathroy-Caradoc M.   | 49,523.00            | 49,523.00            | 0.00                 |
| <b>TOTAL</b>           | <b>\$ 631,915.00</b> | <b>\$ 478,808.00</b> | <b>\$ 153,107.00</b> |
|                        | =====                | =====                | =====                |

Proposed St. Clair Region Conservation Authority 2014 Operation Budget Summary - Sept 11, 2013

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     | \$ 538,500          | \$ 246,000        |                           | \$ 12,500                 | \$ 230,000        | \$ 500            | \$ 41,000         | \$ 8,500            |                   |
| Erosion Control Operations & Maintenance   | \$ 41,000           | \$ 20,500         |                           |                           |                   |                   | \$ 20,500         |                     |                   |
| WECI Capital Projects                      | \$ 410,952          |                   |                           | \$ 122,000                |                   |                   | \$ 118,000        | \$ 170,952          |                   |
| Source Protection Planning                 | \$ 200,000          |                   |                           | \$ 200,000                |                   |                   |                   |                     |                   |
| Planning and Regulations                   | \$ 357,000          | \$ 15,000         |                           |                           | \$ 15,000         | \$ 144,000        | \$ 45,000         | \$ 73,000           | \$ 65,000         |
| TS - Hazard & Flood Information Management | \$ 46,000           | \$ 4,500          |                           | \$ 37,000                 | \$ 4,500          |                   |                   |                     |                   |
| TS -IPZ                                    | \$ 20,000           |                   |                           | \$ 20,000                 |                   |                   |                   | \$ -                |                   |
| TS - Aquatic systems monitoring            | \$ 85,000           |                   |                           | \$ 3,500                  |                   | \$ 31,500         |                   | \$ 50,000           |                   |
| TS - Healthy Watershed                     | \$ 59,000           |                   |                           | \$ 59,000                 |                   |                   |                   |                     |                   |
| AOC Management                             | \$ 177,500          |                   |                           | \$ 177,500                |                   |                   |                   |                     |                   |
| Conservation Services/Healthy Watershed    | \$ 573,000          |                   |                           | \$ 77,000                 |                   |                   |                   | \$ 481,000          | \$ 15,000         |
| MNR Species At Risk                        | \$ 210,124          |                   |                           | \$ 160,124                |                   |                   |                   | \$ 50,000           |                   |
| Recreation                                 | \$ 1,045,426        |                   |                           | \$ 12,676                 |                   | \$ 14,085         | \$ 60,615         | \$ 958,050          | \$ -              |
| CA Capital Development                     | \$ 94,700           |                   |                           |                           |                   |                   |                   |                     | \$ 94,700         |
| Property Management                        | \$ 296,029          |                   |                           | \$ 35,000                 |                   |                   |                   | \$ 251,029          | \$ 10,000         |
| Information and Education                  | \$ 189,630          |                   |                           | \$ 11,500                 |                   | \$ 70,000         |                   | \$ 70,000           | \$ 38,130         |
| IT Capital                                 | \$ 19,200           |                   |                           |                           |                   |                   |                   | \$ -                | \$ 19,200         |
| Equipment                                  | \$ 72,000           |                   |                           |                           |                   |                   |                   |                     | \$ 72,000         |
| Legal                                      | \$ 1,000            | \$ 500            |                           |                           | \$ 500            |                   |                   |                     |                   |
| Administration                             | \$ 623,000          | \$ 23,500         |                           |                           | \$ 23,500         | \$ 145,500        |                   | \$ 314,500          | \$ 116,000        |
| <b>Total CA Budget</b>                     | <b>\$ 5,059,061</b> | <b>\$ 310,000</b> | <b>\$ -</b>               | <b>\$ 927,800</b>         | <b>\$ 273,500</b> | <b>\$ 405,585</b> | <b>\$ 285,115</b> | <b>\$ 2,427,031</b> | <b>\$ 430,030</b> |
| Employment Programs                        | \$ 220,000          |                   |                           |                           | \$ -              | \$ -              | \$ -              | \$ 220,000          | \$ -              |
| Stewardship Programs                       | \$ 150,000          |                   |                           |                           | \$ -              | \$ -              | \$ -              | \$ 150,000          | \$ -              |
| <b>Total Budget</b>                        | <b>\$ 5,429,061</b> | <b>\$ 310,000</b> | <b>\$ -</b>               | <b>\$ 927,800</b>         | <b>\$ 273,500</b> | <b>\$ 405,585</b> | <b>\$ 285,115</b> | <b>\$ 2,797,031</b> | <b>\$ 430,030</b> |

\* 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.

\* Detailed budgets of each project / program are available upon request

Proposed St. Clair Region Conservation Authority 2014 Budget Summary September 11, 2013

|  | Budget             | Provincial Grant | Provincial Grant Reserve | Other Grant/Program Funds | Matching Levy    | Non Matching Levy | Special Levy  | Revenues   | Reserves         |
|--|--------------------|------------------|--------------------------|---------------------------|------------------|-------------------|---|--|------------------|
| Flood Control Operations and Maintenance   | \$538,500          | \$246,000        | \$0                      | \$12,500                  | \$230,000        | \$500             | St. Clair - Mck Maint \$2,000<br>C-K- Mck Maint - \$38,000, Arda - \$1,000  | Oil & Gas Revenue - \$2,500<br>Other Income - \$6,000  | \$0              |
| Erosion Control Operations & Maintenance   | \$41,000           | \$20,500         | \$0                      | \$0                       | \$0              | \$0               | Sarnia - SECP \$13,000<br>Pt. Edward - PEECP \$2,000<br>C-K - Dres RetWalls&CECP \$500<br>Sarnia - SBCEP \$2,000<br>C-K - Wallaceburg Walls \$1,000<br>Strathroy - StrECP \$1,000<br>St. Clair - Corrunna Ret Wall \$1,000<br>St. Clair - Cathcart Park \$118,000   |  | \$0              |
| Capital Projects                           | \$410,952          | \$0              | \$0                      | \$122,000                 | \$0              | \$0               |   | Carryforwards - \$170,952  | \$0              |
| Source Protection Planning                 | \$200,000          | \$0              | \$0                      | \$200,000                 | \$0              | \$0               |   |  | \$0              |
| Planning and Regulations                   | \$357,000          | \$15,000         | \$0                      | \$0                       | \$15,000         | \$144,000         | All Municipalities based on General Levy Split \$45,000<br>(3D Mapping)   | Fees - \$73,000  | \$65,000         |
| TS - Hazard & Flood Information Management | \$46,000           | \$4,500          | \$0                      | \$37,000                  | \$4,500          | \$0               |   |  | \$0              |
| TS - IPZ                                   | \$20,000           | \$0              | \$0                      | \$20,000                  | \$0              | \$0               |   |  | \$0              |
| TS - Aquatic systems monitoring            | \$85,000           | \$0              | \$0                      | \$3,500                   | \$0              | \$31,500          |   | Carryforward \$50,000  | \$0              |
| TS - Heathly Watershed                     | \$59,000           | \$0              | \$0                      | \$59,000                  | \$0              | \$0               |   |  | \$0              |
| St. Clair AOC Management                   | \$177,500          | \$0              | \$0                      | \$177,500                 | \$0              | \$0               |   |  | \$0              |
| Conservation Services                      | \$573,000          | \$0              | \$0                      | \$77,000                  | \$0              | \$0               |   | Fees - \$406,000<br>Carryforward \$75,000  | \$15,000         |
| MNR Species at Risk                        | \$210,124          | \$0              | \$0                      | \$160,124                 | \$0              | \$0               |   |  | \$0              |
| Recreation                                 | \$1,045,426        | \$0              | \$0                      | \$12,676                  | \$0              | \$14,085          | Shetland - Dawn-Euphemia \$7,085<br>Wawanosh - City of Sarnia \$8,550<br>Clark Wright - Strathroy-Caradoc \$1,600<br>Bridgeview - Town of Petrolia \$900<br>Coldstream - County of Middlesex \$1,300<br>Crothers - Chatham-Kent \$1,600<br>Stranak - Chatham-Kent \$8,000<br>Strathroy - Strathroy-Caradoc \$18,500<br>McEwen - Plympton-Wyoming \$10,980<br>Dodge - Lambton Shores \$2,100 | Fees - \$956,800<br><br>Foundation - \$1,250   | \$0              |
| Capital Development                        | \$94,700           | \$0              | \$0                      | \$0                       | \$0              | \$0               |   |  | \$94,700         |
| Property Management                        | \$296,029          | \$0              | \$0                      | \$35,000                  | \$0              | \$0               | \$0   | Rental Income - \$185,000<br>County of Lambton - \$45,000<br>Carryforward - \$1,029<br>Revenue - \$20,000  | \$10,000         |
| Information and Education                  | \$189,630          | \$0              | \$0                      | \$11,500                  | \$0              | \$70,000          | \$0   | Fees - \$20,000<br>Donations - \$50,000  | \$38,130         |
| IT Capital                                 | \$19,200           | \$0              | \$0                      | \$0                       | \$0              | \$0               |   | \$0  | \$19,200         |
| Equipment                                  | \$72,000           | \$0              | \$0                      | \$0                       | \$0              | \$0               |   | \$0  | \$72,000         |
| Legal                                      | \$1,000            | \$500            | \$0                      | \$0                       | \$500            | \$0               |   |  | \$0              |
| Administration                             | \$623,000          | \$23,500         | \$0                      | \$0                       | \$23,500         | \$145,500         |   | Rental Income - \$12,000<br>Interest Income - \$65,000<br>Foundation - \$9,000<br>Allocated Admin Costs - \$60,000<br>Admin Fees - \$53,500<br>Oil & Gas Revenue - \$57,000<br>Carryforward - \$58,000 | \$116,000        |
| <b>Total CA Budget</b>                     | <b>\$5,059,061</b> | <b>\$310,000</b> | <b>\$0</b>               | <b>\$927,800</b>          | <b>\$273,500</b> | <b>\$405,585</b>  | <b>\$795,785</b>  | <b>\$2,386,950</b>   | <b>\$430,030</b> |
| Employment Programs                        | \$220,000          | \$0              | \$0                      | \$0                       | \$0              | \$0               | \$0   | \$220,000  | \$0              |
| Stewardship Programs                       | \$150,000          | \$0              | \$0                      | \$0                       | \$0              | \$0               | \$0   | \$150,000  | \$0              |
| <b>Total Budget</b>                        | <b>\$5,429,061</b> | <b>\$310,000</b> | <b>\$0</b>               | <b>\$927,800</b>          | <b>\$273,500</b> | <b>\$405,585</b>  | <b>\$795,785</b>  | <b>\$2,756,950</b>   | <b>\$430,030</b> |

\* 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

Authority Destruction List - September 2013

12.(v)

| Dates     | Description                                 | No.         |
|-----------|---|-------------|
| 2006      | Accounts Payable - Cheques A-H              |             |
| 2004      | Accounts Payable - Cheques J-S              |             |
| 2005      | Accounts Payable - Cheques                  |             |
| 2006      | Accounts Receivable Payments                |             |
| 2005      | Accounts Receivable Payments                |             |
| 2006      | June A/R & Cash Receipts                    |             |
| 2006      | May A/R & Cash Receipts                     |             |
| 2005      | Outdoor Education Receipts                  |             |
| 2006      | Invoices AR-M 2509-3210                     |             |
| 2000      | RLSN invoices                               |             |
| 2005      | Monthly Statement - January-October         |             |
| 2000      | Bank No. 8 Forestry Reserve Bank Statements |             |
| 2000      | Downsizing Bank                             |             |
| 2000      | Payables                                    |             |
| 2005      | Cash Receipts Payments                      |             |
| 2002      | Business Banking Statements                 |             |
| 2000      | Accounts Receivable Payments                |             |
| 2000      | Accounts Payable Cheques                    |             |
| 2008      | WWK #3 Receipt Book                         | 4001-4025   |
| 2008      | WWK #4 Receipt Book                         | 4076-4100   |
| 2008      | WWK #5 Receipt Book                         | 4101-4125   |
| 2008      | WWK #6 Receipt Book                         | 1551-1575   |
| 2008      | WWK #7 Receipt Book                         | 4401-4425   |
| 2007      | AWC #2 Receipt Book                         | 351-375     |
| 2007      | LCH #1 Receipt Book                         | 251-275     |
| 2008      | LCH #2 Receipt Book                         | 4051-4075   |
| 2005-2006 | Receipt Book                                | 19526-19550 |
| 2004-2005 | Receipt Book                                | 18151-18175 |
| 2005-2006 | Receipt Book                                | 19226-19250 |
| 1999-2001 | Receipt Book                                | 14626-14650 |
| 2006      | Receipt Book                                | 14876-14900 |
| 2006      | Receipt Book                                | 20226-20250 |
| 2006      | Receipt Book                                | 20201-20225 |
| 2005      | Receipt Book                                | 18976-19000 |
| 2005      | Receipt Book                                | 20151-20175 |
| 2006-2008 | Purchase Order Book                         | 45151-45200 |
| 2007-2008 | Purchase Order Book                         | 44651-44696 |
| 2005-2006 | Purchase Order Book                         | 45401-45450 |
| 2005-2007 | Purchase Order Book                         | 44101-44150 |
| 2005-2006 | Purchase Order Book                         | 44001-44050 |
| 2000-2006 | Purchase Order Book                         | 61051-61100 |
| 2005-2006 | Purchase Order Book                         | 44201-44250 |

|           |   |  |
|-----------|---|--|
| 2006      | Campground Deposit Book   |  |
| 2005      | A/R Deposit Books   |  |
| 2006      | A/R Deposit Books   |  |
| 2005      | C/R Deposit Books   |  |
| 2006      | April - December Deposit Books  |  |
| 2006      | Proposal for Sarnia Bay Marina  |  |
| 2004      | Audit   |  |
| 2006      | Audit   |  |
| 2006      | General Accounts  |  |
| 2005      | Audit   |  |
| 2005      | General Accounts  |  |
| 2004      | General Accounts  |  |
| 2004      | Bank Statements   |  |
| 2006      | Sarnia Bay Marina Binder  |  |
| 1992-1993 | Comprehensive Audit of the Sault Ste. Marie Region                      |  |
| 10-Dec-93 | The Association of Conservation Authorities of Ontario                  |  |
| 1984      | Audit of Financial and Management Controls The Niagara Peninsula        |  |
| 1984      | Memos to and from Robert Monk RE: Maple Syrup Staff Time                |  |
| 1983      | Memos Subject: W.Darcy Mckeough Floodway Project 1983 Funding           |  |
| 1981      | Audit Report, Letter, and Acknowledgement Form                          |  |
| 1983      | Recommended Grant Adjustments   |  |
| 1983      | McKeough Properties - Summary of Status                                 |  |
| 1982      | 1980s Recommended Grant Adjustments                                     |  |
| 1981      | 1979 Internal Audit Report, Letters, and Acknowledgement Forms          |  |
| 1981      | 1979 Recommended Grant Adjustments                                      |  |
| 1980      | 1978 Audit Letters, and Acknowledgement Forms                           |  |
| 1980      | 1978 Recommended Grant Adjustments                                      |  |
| 1979      | 1977 Audit Report, Letters, and Acknowledgement Forms                   |  |
| 1979      | 1977 Recommended Grant Adjustments                                      |  |
| 1978      | Memos on Appointment of Audit Manager for Southern Ontario              |  |
| 1977      | 1976 Auditor's Adjustment Report  |  |
| 1977      | 1976 Audit Authority Claims for Grants, and Auditor's Adjustment report |  |
| 1977      | 1976 Audit Letters  |  |
| 1976      | 1975 Audit Authority Claims for Grants                                  |  |
| 1975      | 1974 Audit of Claims, and Letters                                       |  |
| 1975      | 1975 Audit Memo   |  |
| 1974      | 1973 Audit Report, Letters, and Adjustment notices                      |  |
| 1966      | Sydenham Valley Ledger Work Sheets                                      |  |
| 1968      | 1969 Budget Estimates   |  |
| 1968      | 1967 Audit Report, and Adjustment Notice                                |  |
| 1967      | Sydenham Valley Summary of Administration Claims                        |  |
| 1967      | 1966 Audit Report, Adjustment Notice                                    |  |
| 1967      | Adjustments to Original Submission of Accounts                          |  |
| 1967      | 1966 Schedule of Grants Paid  |  |

|           |   |  |
|-----------|---|--|
| 1966      | 1965 Schedule of Grants Paid  |  |
| 1966      | Audit Records   |  |
| 1965      | 1964 Schedule of Grants Paid  |  |
| 1963      | Adjustments to Original Suibmission of Accounts                     |  |
| 1963      | Sydenham Valley Audit Report  |  |
| 1962      | Sydenham Valley Audit Report  |  |
| 1996-1997 | Bank of Montreal Agreement  |  |
| 1997      | Bank of Montreal Corprate Card Program Agreement                    |  |
| 1998      | Banking Proposals   |  |
| 1984      | Ontario Health Insurance Plan                                       |  |
| Feb-84    | Application for Payment- No. 12                                     |  |
| 1982      | Audit Acknowledgement Form  |  |
| 1982      | Audit Report, and Letters   |  |
| Feb-97    | Eligibity for Provincial Grant Funding, and Business Plan           |  |
| Jun-97    | Business Plan For Determining Provincial Grant Funding              |  |
| 1983      | Memos about 1981 Audit Report                                       |  |
| 1983      | Memos Subject : 1980 Audit Adjustments                              |  |
| 1982      | 1980 Internal Audit Report, Letters, and Acknowledgement Forms      |  |
| 1990      | E.R.C Expenditures to Date  |  |
| 1990      | Forest Replacement Program  |  |
| 1990      | Schedule for Payment of Line of Credit                              |  |
| 1986-1987 | Abandoned C.N.R. right-of-way Acquisition Options Memos             |  |
| 1986-1987 | Estimated Total Cost of Abandoned C.N.R Line Acquisition Memos      |  |
| 1987      | Financial Status  |  |
| 1987      | Agreement of Purchase and Sale                                      |  |
| 1987      | Committee of Adjustment Notice                                      |  |
| 1987      | Borrowing Resolutions   |  |
| 1982      | Initial Notice or Notice of Change by an Ontario Corporation Form 1 |  |
| 1996      | Completed Application, Resume, and CoverLetters                     |  |

Foundation Destruction List

| Dates     | Description         | No.           |
|-----------|---------------------|---------------|
| 1994      | Charitable Receipts | 23051-23070   |
| 2001      | Charitable Receipts | 0076-0100     |
| 1991      | Charitable Receipts | 002751-002771 |
| 1991      | Charitable Receipts | 007776-007800 |
| 1992      | Charitable Receipts | 003942-003946 |
| 1994      | Charitable Receipts | 18676-18686   |
| 1991      | Charitable Receipts | 002776-003941 |
| 1994      | Charitable Receipts | 24431-24450   |
| 1994      | Charitable Receipts | 18551-18563   |
| 1994      | Charitable Receipts | 18651-18659   |
| 1994      | Charitable Receipts | 21626-21641   |
| 1994      | Charitable Receipts | 002715-002725 |
| 1994      | Charitable Receipts | 19026-19037   |
| 2001      | Charitable Receipts | 0251-0263     |
| 2001      | Charitable Receipts | 0176-0196     |
| 2001      | Charitable Receipts | 051-075       |
| 2001      | Charitable Receipts | 0451-0761     |
| 2001      | Charitable Receipts | 0126-0129     |
| 2001      | Charitable Receipts | 0476-0478     |
| 2001      | Charitable Receipts | 0226-0233     |
| 1994      | Charitable Receipts | 18626-18638   |
| 1994      | Charitable Receipts | 4052-4060     |
| 2001      | Charitable Receipts | 0426-0436     |
| 1994      | Charitable Receipts | 23026-23038   |
| 2001      | Charitable Receipts | 0101-0104     |
| 1994      | Charitable Receipts | 3976-4000     |
| 1999      | Charitable Receipts | 20526-20550   |
| 1999      | Charitable Receipts | 17275-17300   |
| 2001      | Charitable Receipts | 201-213       |
| 2001      | Charitable Receipts | 1076-1080     |
| 2001      | Charitable Receipts | 0151-0175     |
| 1994      | Charitable Receipts | 21126-21131   |
| 1991      | Charitable Receipts | 3929-3933     |
| 1991      | Charitable Receipts | 002710-002725 |
| 1993      | Charitable Receipts | 21542-23157   |
| 2002-2005 | Charitable Receipts | 0101-0104     |
| 1998-2000 | Cheque Stubs        | 0645-0750     |
| 2002-2004 | Cheque Stubs        | 0851-0941     |
| 2000-2002 | Cheque Stubs        | 0751-0850     |
| 1995-1996 | Cheque Stubs        | 0399-0498     |
| 1996-1997 | Cheque Stubs        | 0499-0574     |
| 1997-1998 | Cheque Stubs        | 0575-0644     |



|           |                              |               |
|-----------|------------------------------|---------------|
| 2002      | Cheque Stubs                 | 0201-0337     |
| 2004      | Cheque Stubs                 | 0113-0119     |
| 1998      | Cheque Stubs                 | 0001-0030     |
| 2000      | Cheque Stubs                 | 0254-0399     |
| 1991      | Cheque Stubs                 | 061-0208      |
| 1991-1992 | Cheque Stubs                 | 0209-0270     |
| 1992-1994 | Cheque Stubs                 | 0271-0398     |
| 1988-1990 | Cheque Stubs                 | 001-072       |
| 2003      | Cheque Stubs                 | 0338-0366     |
| 2003      | Cheque Stubs                 | 0373-0443     |
| 1999      | Cheque Stubs                 | 0031-0254     |
| 2001      | Cheque Stubs                 | 0064-0324     |
| 2004      | Cheque Stubs                 | 0001-0010     |
| 1991-1997 | Cheque Stubs                 | 001-034       |
| 2008-2009 | Cheque Stubs                 | 0249-0296     |
| 2007-2008 | Cheque Stubs                 | 0195-0248     |
| 2006      | Cheque Stubs                 | 0139-0194     |
| 2006-2009 | Cheque Stubs                 | 0141-0280     |
| 2009-2010 | Cheque Stubs                 | 0299-0394     |
| 2009-2010 | Cheque Stubs                 | 0281-0316     |
| 2004-2005 | Cheque Stubs                 | 0001-0138     |
| 2004-2005 | Cheque Stubs                 | 001-140       |
| 1997      | Cheque Stubs                 | 001-002       |
| 1986-1988 | Cheque Stubs                 | 001-034       |
| 1992-1998 | Cheque Stubs                 | 001-031       |
| 2005      | Receipt Book                 | 2976-3000     |
| 2002      | Receipt Book                 | 00176-00200   |
| 2002      | Receipt Book                 | 02201-02225   |
| 2000-2001 | Receipt Book                 | 00126-00150   |
| 2005-2006 | Receipt Book                 | 00351-00369   |
| 2001-2002 | Receipt Book                 | 00151-00175   |
| 2004-2005 | Receipt Book                 | 02951-02975   |
| 2005      | Receipt Book                 | 03226-03250   |
| 1997-2001 | Purchase Order Book          | 509501-509524 |
| 1979-1985 | Bank Book                    | 5036.804      |
| 1979-1986 | Bank Book                    | 5004.431      |
| 1993-2003 | Bank Book                    | 7030.174      |
| 2001      | Payments                     |               |
| 2002      | US Bingo Payables            |               |
| 2000      | Final Balance & Statements   |               |
| 2001      | Final Balance & Statements   |               |
| 1999      | Final Balance & Statements   |               |
| 2002      | Final Balance & Statements   |               |
| 1993      | St Clair Region Audit Report |               |

|           |   |  |
|-----------|---|--|
| 17-Jul-92 | Letter from Siskind, Cromarty, Ivey & Dowler                        |  |
| 22-Apr-92 | Letter and Acknowledgement form for 1990 Audit Report               |  |
| 1987      | Audit Expenditure Reports, Letters, and Acknowledgement Forms       |  |
| 1984      | Audit Report St. Clair Region, Letters, and Acknowledgement Forms   |  |
| 10-Jan-85 | Siskind, Cromarty - Letter RE:Gas and Oil Leases                    |  |
| 22-Apr-82 | Siskind, Cromarty - Letter RE:Gas and Oil Leases                    |  |
| 1983      | Audit Reports , Letters, and Acknowledgement Forms.                 |  |
| 1984      | Audit Reports , Letters, and Acknowledgement Forms.                 |  |
| 1996      | Memorial Tree Fund Cards  |  |
| 1997-1998 | Memorial Tree Fund Cards  |  |
| 1989-1992 | Memorial Tree Fund Cards  |  |
| 1994      | Memorial Tree Fund Cards  |  |
| 1999      | Foundation Day Letters  |  |
| 2002      | Foundation Day Letters  |  |
| 2001      | Foundation Day Letters  |  |
| 2000      | Foundation Day Letters  |  |
| 1994      | Expenditure Summary   |  |
| 1999      | Banking & Investments   |  |
| 1996      | SCRCF Annual Income Report  |  |
| 1997-1999 | General Finances  |  |
| 1993      | Proposed Budget, and Expenditure Summary                            |  |
| 1994      | Proposed Budget, and Expenditure Summary                            |  |
| 1992      | Budget, and Expenditure Summary                                     |  |
| 1992      | Trust Account Agreement   |  |
| 1992      | Auditor Recommendation  |  |
| 1991      | Expenditure Summary   |  |
| 1991      | Project Agreement   |  |
| 1991      | Borrowing Resolutions   |  |
| 1990      | Donations to the Tony Stranak Memorial Trust Fund for Conservations |  |
| 1990      | Foundation Account  |  |
| 1990      | Forecast Budget   |  |
| 1990      | Tree Planting Proposal  |  |
| 1990      | Timber Sales Summart  |  |
| 1990      | Sinclair Property Management  |  |
| 1990      | Fundraising Progress Report   |  |
| 1990      | Estimated Costs Update  |  |
| 1988      | Essentials of Fundraising Clinic                                    |  |
| 1988      | Board of Directors Officers Contact List                            |  |
| 1988      | Financial Statement   |  |
| 1988      | Program Budget  |  |
| 1988      | Project Progress Report   |  |
| 1986      | Canadian Index to Foundation Grants                                 |  |
| 1987      | Board of Directors Meeting  |  |
| 1986      | Bank Reconiliation  |  |

|           |  |  |
|-----------|--|--|
| 1987      | Funding Needs                                      |  |
| 1987      | Annual Meeting                                     |  |
| 1984      | Carolinian Canada Program World Wildlife Fund Memo |  |
| 1984      | Annual Meeting                                     |  |
| 1983      | Financial Statements                               |  |
| 1980      | Marsh General Store Financial Report               |  |
| 1998      | Lease and Grant in the Township of Dawn-Euphemia   |  |
| 1998      | Gas Storage Lease Agreement                        |  |
| 1997      | Proposal for Audit Services                        |  |
| 1997      | Audit Proposal                                     |  |
| 1999      | Planned Giving Expenses                            |  |
| 1998      | Bingo Net Proceeds                                 |  |
| 2000      | Budget, and Expenditure Summary                    |  |
| 2000      | Planned Giving-Marketing Plan Budget               |  |
| 2000      | Unaudited Balance Sheet                            |  |
| 2000      | Cash Disbursements & Cheque Register               |  |
| 1999      | Balance Sheet                                      |  |
| 1999      | Statement of Revenue and Expenditure               |  |
| 1999      | Unaudited Balance Sheet                            |  |
| 1999      | Cash Disbursements & Cheque Register               |  |
| 1999      | Budget   |  |
| 1998      | Fund Balances                                      |  |
| 1998      | Bingo Report                                       |  |
| 1999      | Trial Balance                                      |  |
| 1998      | Cash Disbursements & Cheque Register               |  |
| 1998      | 1999 Forecast Budget Summary                       |  |
| 1998      | Summary of Foundation Accounts Balances            |  |
| 1998      | Expenditure Summary                                |  |
| 1998      | Budget   |  |
| 1996-2000 | Foundation Insurances                              |  |
| 1998-2000 | Investments and Banking                            |  |
| 1989      | Deposit Book                                       |  |
| 1990-1991 | Deposit Book                                       |  |
| 1991-1992 | Deposit Book                                       |  |
| 2001      | Business Banking Statement                         |  |
| 1999-2000 | Deposit Book                                       |  |
| 2000-2001 | Deposit Book                                       |  |
| 2002-2003 | Deposit Book                                       |  |
| 2003      | Bank Statements                                    |  |
| 1994      | Revenue & Expenditure Summary                      |  |
| 2000      | Bingo Reports                                      |  |
| 2001      | Bingo Reports                                      |  |
| 2002      | Bingo Reports                                      |  |
| 1999      | US Bingo Payables                                  |  |

|      |                               |  |
|------|-------------------------------|--|
| 2001 | US Bingo Payables             |  |
| 1999 | Bingo Payables                |  |
| 1995 | Revenue & Expenditure Summary |  |
| 2003 | Bingo Reports                 |  |
| 2004 | Bingo Reports                 |  |
| 2003 | US Bingo Payables             |  |
| 1996 | Bingo Reports                 |  |
| 2000 | Bank Statements               |  |
| 2001 | Bank Statements               |  |
| 2002 | Bank Statements               |  |
| 1999 | Bank Statements               |  |
| 2003 | Deposit Book                  |  |
| 2004 | US Bingo Deposit Book         |  |
| 2003 | Deposit Books                 |  |
| 2004 | Deposit Books                 |  |
| 1998 | Deposit Book                  |  |
| 2001 | Bingo Expenses                |  |
| 2000 | Bingo Disbursement            |  |
| 2000 | US Bingo Disbursement         |  |
| 2004 | Us Bingo                      |  |
| 2006 | Bingo Accounts                |  |
| 2005 | Bingo                         |  |
| 2004 | Bingo                         |  |
| 2004 | Investments and Banking       |  |
| 2005 | May- Dec Deposit Book         |  |
| 2006 | Deposit Books                 |  |
| 2007 | Deposit Books                 |  |
| 2008 | Deposit Books                 |  |
| 2009 | Deposit Books                 |  |
| 2010 | Deposit Book                  |  |
| 2011 | Deposit Book                  |  |
| 2004 | US Bingo Deposit Book         |  |

12.(vi)  
September 2013

# INVESTMENT POLICY STATEMENT

# CONTENTS

- 1. Purpose..... 2
- 2. Roles and Responsibilities ..... 3
- 3. Fund Structure ..... 5
- 4. Investment Beliefs, Objectives and Policy Portfolios ..... 6
  - Short Term Fund ..... 6
  - Long Term Fund..... 7
- 5. Performance Objectives and Rebalancing..... 9
  - Short Term Fund ..... 9
  - Long Term Fund..... 9

# 1

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## Purpose

1. This Investment Policy Statement (IPS) has been prepared to provide guidelines for the effective management of the St. Clair Region Conservation Authority Fund (the Fund). In particular, the IPS is designed to ensure that the Fund is managed in a prudent and diversified manner that meets St. Clair Region Conservation Authority's investment goals and conforms to the requirements of all Federal and Provincial Statutes and Legislation.
2. The IPS is to be used by the Audit / Executive Committee, the Investment Subcommittee, and the Investment Manager(s).

# 2

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## Roles and Responsibilities

The roles and responsibilities concerning the administration and investment of the Funds are as follows:

### 1. The Board

- 1.1. Retains overall responsibility for ensuring that the organization's investments are invested appropriately.
- 1.2. Has delegated the specific accountability for the organization's investments to the Executive Committee.

### 2. The Executive Committee

- 2.1. Approves the IPS and any amendments to the IPS;
- 2.2. Ensures compliance with the IPS;
- 2.3. Reviews the IPS once a year;
- 2.4. Approves the selection of the Investment Manager(s) and Custodian;
- 2.5. Appoints an Investment Subcommittee to analyze investment issues and support management in day-to-day investment decisions.

### 3. The Investment Subcommittee of the Resource Planning and Audit Committee

#### (Would require a restructuring of our Committees)

- 3.1. Develops the IPS and recommends any required changes to the EXECUTIVE COMMITTEE;
- 3.2. Recommends the selection of the Investment Manager(s) and Custodian to the EXECUTIVE COMMITTEE;
- 3.3. Reviews and reports on compliance with the IPS to the EXECUTIVE COMMITTEE;
- 3.4. Analyzes investment issues and makes recommendations to the EXECUTIVE COMMITTEE as necessary;
- 3.5. Monitors the Investment Manager(s), advisors, and other parties employed and makes appointment and termination recommendations to the EXECUTIVE COMMITTEE.



**4. The Investment Manager(s)**

- 4.1. Invests the assets of the Fund in compliance with applicable legislation and the requirements of this IPS;
- 4.2. Attends meetings with the EXECUTIVE COMMITTEE or its delegate as required, but at least annually, to explain investment performance and present expectations on the economic and financial market outlook;
- 4.3. Provides monthly summary reports and detailed quarterly reports on investment performance, risk assumed, outlook, and portfolio positioning;
- 4.4. Where applicable, provides an Investment Policy Statement(s) for pooled fund(s);
- 4.5. Recommends investment instruments or approaches that may be more appropriate in achieving the Funds' objectives;
- 4.6. Provides a letter indicating compliance with this IPS on a bi-annual basis.

**5. The Custodian (if applicable)**

- 5.1. Holds the assets of the Fund in compliance with any applicable legislation;
- 5.2. Provides monthly custodial reports including details of transactions during the month;
- 5.3. Is accountable for ensuring that all income due from the investments is received in a timely manner.

**6. The Consultant (if applicable) (Some of this responsibility should be moved to the Investment Manager, and this should be removed)**

- 6.1. Advises on the IPS and participates in the preparation and annual review of the IPS, including any analysis that may be requested during such review;
- 6.2. Advises on appropriate criteria for investment manager selection as required;
- 6.3. Meets with the EXECUTIVE COMMITTEE or Investment Subcommittee at least annually and provides support in the qualitative and quantitative review and ongoing monitoring of the Investment Manager(s), including the provision of performance monitoring reports;
- 6.4. Provides the EXECUTIVE COMMITTEE or Investment Subcommittee with any other information that may be requested, such as new investment issues, legislation updates, and advice on governance processes.

# 3

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## Fund Structure

1. The Fund is divided into the following two components:

- 1.1. Short Term Fund
- 1.2. Long Term Fund

### **2. Short Term Fund**

- 1.1. The Short Term Fund is intended to meet specifically targeted expenditures that are expected to be incurred within the next 3 years.
- 2.1. The amount of assets to be invested in the Short Term Fund shall be equal to forecast net cash requirements over the next three years discounted by the yield on the DEX Short Term Bond Index (1 – 5 years) at the time of assessment. This assessment should take place annually (or more frequently if required), and the allocation between Short Term and Long Term funds should be rebalanced accordingly.

### **3. Long Term Fund**

- 3.1. The Long Term Fund is intended to meet both specifically targeted and potential discretionary expenditures that are expected to be incurred more than 3 years into the future.
- 3.2. The Long Term Fund will be reassessed annually by the EXECUTIVE COMMITTEE to determine how much of the Fund will remain long-term in nature. The EXECUTIVE COMMITTEE decision will be guided by the circumstances that exist at the time of reassessment, including the anticipated need for the funds and the timing thereof.

# 4

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## Investment Beliefs, Objectives and Policy Portfolios

### Short Term Fund

#### 1. Investment Beliefs

- 1.1. The Short Term Fund is intended to meet specifically targeted expenditures that are expected to be incurred within the next 3 years.
- 1.2. Any significant loss of capital would be detrimental to the fulfilment of the targeted expenditure objectives for the Short Term Fund.
- 1.3. Based on the above, the permissible investments for the Short Term Fund will be cash investments, money market funds, and Government and Corporate bonds whose term is generally aligned with the time over which funds are expected to be disbursed.

#### 2. Investment Objectives

- 2.1. The investment objective of the Short Term Fund is to protect capital while earning a return commensurate with low-risk investments.

#### 3. Investment Policy Portfolio

- 3.1. The following Investment Policy Portfolio has been established to meet the investment objective of the Short Term Fund:

| Asset Class                                      | Strategic Allocation |
|--|----------------------|
| Short term Government and Corporate bonds; GIC's | 50%                  |
| Cash and money market investments                | 50%                  |
| <b>Total</b>                                     | <b>100%</b>          |

## Long Term Fund

### 1. Investment Beliefs

- 1.1. The Long Term Fund is intended to meet both specifically targeted and potential discretionary expenditures that are expected to be incurred more than 3 years into the future.
- 1.2. The investments should be well diversified by asset class, geography and risk factor.
- 1.3. Risk factors to be considered include equity risk, inflation risk, interest rate risk, currency risk, credit risk, deflation risk, cash flow risk, and risk of permanent loss of capital, amongst others.
- 1.4. Equities are expected to provide the highest nominal and real investment returns over the long term, but with the highest level of risk.
- 1.5. Emerging markets are likely to experience higher GDP growth than developed markets, albeit economic and market conditions in the emerging markets may be more volatile. Consequently, emerging market publicly traded stocks are expected to provide higher returns than developed market equities.
- 1.6. Bonds are expected to provide diversification from equities and coupon income.
- 1.7. Real estate is expected to provide inflation-sensitive returns over the long term, more stable cash flows that exceed bond coupon income, and the prospect of longer term capital gains.

### 2. Investment Objectives

- 2.1. The Investment Objective of the Long Term Fund, including the impact of active management and after investment management fees, is to achieve an annual rate of return that exceeds the rate of increase in the Consumer Price Index by at least X% on average over the long-term.

### 3. Investment Policy Portfolio

3.1. The following Investment Policy Portfolio has been established to meet the investment objective of the Long Term Fund:

| <b>Asset Class</b>             | <b>Strategic Allocation</b> |
|--------------------------------|-----------------------------|
| Canadian Equities              | 15%                         |
| Global Equities                | 35%                         |
| Emerging Market Equities       | 10%                         |
| Total Equities                 | 60%                         |
| Real Estate                    | 10%                         |
| Total Equities and Real Estate | 70%                         |
| Core Plus Universe Bonds       | 30%                         |
| Total                          | 100%                        |

If we could add some measure of risk, or even further delineation of the type of funds or ratings.

# 5

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## Performance Objectives and Rebalancing

### Short Term Fund

1. The performance benchmarks and Investment Manager(s) outperformance targets for each component of the Short Term Fund are as follows:

| Asset Class                                    | Performance Benchmark                   | Outperformance target (before fees) | Strategic Allocation |
|--|---|-------------------------------------|----------------------|
| Short term Government & Corporate bonds, GIC's | DEX Short Term Bond Index (1 – 5 Years) | 0.25%                               | 50%                  |
| Cash and money market investments              | DEX 91 Day T-Bills                      | 0.25%                               | 50%                  |

2. Market movements may result in the strategic allocation of the Short Term Fund deviating from the above strategic allocation. At the end of each quarter, the investment manager shall rebalance the Short Term Fund to the strategic allocation.

### Long Term Fund

1. The performance benchmarks and permitted tactical asset allocation ranges for each component of the Long Term Fund are as follows:

| Asset Class              | Performance Benchmark          | Minimum | Benchmark Allocation | Maximum |
|--------------------------|--------------------------------|---------|----------------------|---------|
| Canadian Equities        | S&P/TSX Composite Index        | 10%     | 15%                  | 20%     |
| Global Equities          | MSCI World Index               | 30%     | 35%                  | 40%     |
| Emerging Market Equities | MSCI Emerging Market Index     | 5%      | 10%                  | 15%     |
| Real Estate              | ICREIM/IPD Canada All Property | 5%      | 10%                  | 15%     |
| Core Plus Universe Bonds | DEX Universe Bond Index        | 25%     | 30%                  | 35%     |

2. The Investment Manager(s) performance target is to outperform the Long Term Fund's composite performance benchmark by 1% per annum on a gross of fees basis over rolling 4 year periods.

## INVESTMENT POLICY STATEMENT

3. Supplementary measures against the relevant investment manager universes will also be employed for measuring the performance of the Long Term Fund.
4. At the end of each quarter, if the allocation to one or more asset classes falls outside the above permitted ranges, the overall allocation should be rebalanced such that the allocation to such asset classes is brought back within the permitted range.

# Staff Report

13.(i)



To: Board of Directors  
Date: August 30, 2013  
From: Rick Battson  
Subject: Communications Progress Report

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## Conservation Education

Union Gas has agreed to continue its sponsorship of the Spring Water Awareness Program with a donation of \$5,000. This is an in-class program that teaches students about the dangers of thin ice and cold fast-moving water in the spring.

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 5 in-classroom programs offered. Six programs are offered that are free of charge as the costs for these programs are covered by sponsors.

## Coming Events

**McKenzie and Blundy Memorial Forest Dedication:** Wawanosh Wetlands Conservation Area, September 15, 2:00 pm – Greetings will be provided by Steve Arnold

**A Geocaching Adventure: Lorne C. Henderson Conservation Area, Sunday, September 22, 9:00 a.m. – 3:00 p.m.**

**St. Clair Region Conservation Foundation Memorial Forest Dedication:** Lorne C. Henderson Conservation Area, September 22, 2:00 pm – Speakers – Duncan Skinner, President, St. Clair Region Conservation Foundation and Terry Burrell.

## 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.

While updating our recognition board, we noticed this program started in 1989 with a scholarship going to Lisa Pokrajac. A Google search showed that Lisa pursued quite a career.



Below are the text to emails that we thought would be of interest to the Board:

Dr. Pokrajac – I'm wondering if you are the same Lisa Pokrajac that won our first Tony Stranak Conservation Scholarship in 1989. While updating our lists, I decided to check out your name to see if anything came up and after a google search I found this site:  
<http://uwaterloo.ca/institute-nanotechnology/people-profiles/lisa-pokrajac>. If this is you, we met way back there in 1989 – you were our first presentation. Since that time we have awarded 86 scholarships to graduating high school students continuing their education in an environmental field.

If I am mistaken, my apologies.

Rick Battson  
Director of Communications  
St. Clair Region Conservation Authority

Good afternoon,  
What a pleasant e-mail to receive, and please call me Lisa. To answer your question, yes – I won the St Clair Conservation Scholarship in 1989, after completing studies at St Clair Secondary School. As you have seen from the WIN website, I now work with many professors in Nanotechnology research, several of whom work in the environmental sector. And it might interest you to know that before graduate school, I worked in the Ecotoxicology Laboratories of the Department of Fisheries and Oceans, and with CanmetENERGY on mining tar sand effluent recovery (environmental impact minimization). So, your scholarship helped greatly with education and the career path that followed!  
Again, it was a pleasure to hear from you, and I am very happy to hear that the scholarship is going to many bright and motivated young students interested in a career in environmental conservation! Please let me know if there is any other information you require for your records, and I will be happy to provide it for you.  
With best regards,  
Lisa

Lisa Pokrajac, PhD  
Assistant Director, Research Programs  
Waterloo Institute for Nanotechnology  
University of Waterloo  
Waterloo ON N2L 3G1  
519 888 4567 x36801

# Status Report

14.(i)



To: Board of Directors  
Date: August 23, 2013  
From: Brian McDougall, General Manager  
Chris Tasker, Source Protection Project Manager  
Subject: Source Protection Risk Management Services  
Proposal to Municipalities

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## **Background**

Once the Source Protection Plan (SPP) is approved by the Minister of the Environment, the plan must be implemented. The SPP uses Part IV of the Clean Water Act to manage the risk of Significant Drinking Water Threats (SDWT), under the very specific circumstances which result in the activity being a SDWT, while still allowing the land use to occur. These tools also allow for prohibition where the Source Protection Plan requires prohibition and a screening tool which integrates these new tools with Land Use Planning and Building Permit approvals. These Part IV tools must be implemented by Risk Management Officials and Risk Management Inspectors who are a responsibility of municipalities who have the authority to pass bylaws pertaining to water production, treatment and storage. Municipalities may delegate these responsibilities by agreement with other municipalities (who have the same authority), Source Protection Authorities or Health Units.

Conservation Authorities have developed considerable expertise and experience in Source Protection Planning through their involvement in developing Assessment Reports and the Source Protection Plan. An understanding of the policies and science behind the Source Protection Plan is critical in the implementation of the Part IV responsibilities. As a result of this experience and economies of scale municipalities requested that the CAs consider offering Risk Management Services. Last summer, these requests resulted in CAs requesting expressions of interest. Twelve municipalities expressed an interest in having the CA provide a proposal for Risk Management Services while 2 municipalities decided to provide these services themselves. Since receiving the expressions of interest, CAs have: proceeded with training staff as Risk Management Official/Inspector; explored the program requirements and options; and most recently discussed those services with municipal staff in a series of workshops. Further, we have begun developing a work plan for the provision of these services. The proposal is intended to provide the municipality with the information necessary to confirm their interest in having the CA provide the services and ultimately would lead to the negotiation of CA-Municipal agreements for Source Protection Risk Management Services. Since forwarding the proposals to municipal CAOs we have met with staff to discuss the proposal and the options which the municipalities have.

## **Risk Management Services**

The proposal outlines the scope of services which the CA can provide to fulfill this municipal responsibility. For the purposes of this proposal, the work to be carried out by the Risk

Management Officials and Inspectors and the related technical and administrative support of those positions is collectively referred to as Risk Management Services.

The following program areas are outlined in the proposal provided to the twelve municipalities:

|  |  |
|--|--|
| Program Development and Administration | <ul style="list-style-type: none"> <li>• Development and refinement of the services</li> <li>• Integration into current programs</li> <li>• Written guidance for building and land use planning approvals requiring notice from RMO (s59) and other policies, procedures, and guidance</li> <li>• Development of detailed work plan</li> <li>• Forms, templates and information management</li> <li>• Required bylaws and regulations to allow the program to be administered</li> </ul>   |
| Risk Management Plan negotiation       | <ul style="list-style-type: none"> <li>• Based on a negotiation with the person engaged or planning to engage in the activity</li> <li>• RMO to work with the person to explain the threat and risks, identify existing risk management measures and discuss additional measures which might be appropriate with a goal to come to agreement on the RMP and its implementation on site</li> <li>• While the negotiation process is similar, the proposal separates future and existing threats as these are apportioned differently to the municipalities</li> </ul> |
| Restricted Land Use                    | <ul style="list-style-type: none"> <li>• Screening tool to identify proposed SDWT through existing approval processes</li> <li>• Notice from RMO required in areas where SDWT may occur</li> <li>• Excludes residential land use</li> <li>• Must be integrated with current municipal approval processes</li> </ul>  |
| Land Use Planning Support              | <ul style="list-style-type: none"> <li>• Support to respond to inquiries from municipal staff, provincial implementers, property owners/leasers, prospective purchasers, lawyers and real estate agents, developers, consultants, etc.</li> </ul>  |
| Site Specific Risk Assessment          | <ul style="list-style-type: none"> <li>• Review Site Specific Risk Assessments if a proponent chooses to undertake their own risk assessment based on site specific information</li> <li>• Proponent may challenge aspects such as intrinsic vulnerability of the site</li> </ul>  |
| Compliance monitoring and enforcement  | <ul style="list-style-type: none"> <li>• Success of the program depends on effective compliance program</li> <li>• Public identified importance of compliance program through consultation, CWA includes the tools to allow for an effective compliance program</li> <li>• Will identify existing and future threats not in existing inventories or not required to go through existing approvals processes</li> <li>• Confirm compliance with RMPs</li> <li>• Opportunity for education and outreach</li> <li>• Includes appeals and legal proceedings</li> </ul>   |
| Monitoring and Reporting               | <ul style="list-style-type: none"> <li>• Legislative responsibility of RMO/I to report annually to SPA and province</li> <li>• Local reporting requirements required by SPP</li> <li>• Annual reporting to the municipalities on the implementation of the services</li> </ul>   |

Much of the work in completing the Source Protection Plan and Assessment Reports was completed through municipal-CA partnerships lead by the staff of the CA. Many of the staff which led this work would be involved in the Risk Management Services. Through the partnership established between the CAs in the region, the services are able to include the engineering, hydrogeological, planning, information management, stewardship and agricultural extension services which would be needed to support these Risk Management Services. This technical support would be provided by staff that, for the past 5 years, has been responsible for the Source Protection technical work and policy development. It will however, be necessary to hire new staff to fill some of the roles.

## **Timing**

Once the Source Protection Plan comes into effect, municipalities are required to implement these policies and therefore will require the services outlined in this proposal. It will be important to have the services in place prior to the plan coming into effect to prevent delays in planning act and building permit approvals. It is anticipated that the Source Protection Plan may take effect some time after mid-2014. Prior to that time it is important that:

- people are in place and trained;
- policies, procedures and other guidance documents are ready;
- forms and templates are developed; and
- information management and administrative systems are in place.

In order to be ready it will be important to initiate work on the services in the first half of 2014.

## **Options**

The municipality which has the authority to pass bylaws pertaining to water production, storage and treatment is responsible for the enforcement of part IV in the municipality. These municipalities have options in providing these services. They can:

- provide the services themselves by training or hiring/contracting Risk Management Officials and Inspectors;
- delegate the services through agreement to another municipality who is provided with this responsibility by the CWA. This would give the contracted municipality jurisdiction within the vulnerable areas within the other municipality; or
- contract the services from a Source Protection Authority or Board of Health.

## **Costs and Apportionment**

The proposal estimates the total cost of the services for the first five years to be approximately \$1,860,000 for the 12 municipalities. This total cost is averaged over five years resulting in an annual cost estimate of \$ 372,000 per year. These costs are proposed to be apportioned to the participating municipalities based on the following factors discussed in the proposal:

- The number of existing significant drinking water threats are used to apportion those costs associated with negotiation of risk management plans with the existing drinking water threats. While the inventory used is not expected to be absolute, it does provide a relative factor upon which costs can be apportioned. Efforts are underway to verify the existing significant threats.
- The number of parcels, land use and type of vulnerable areas where significant drinking water threats can exist in the municipality are used to apportion the costs related to future threats and compliance monitoring programs.
- Program development, enforcement, administration and monitoring/reporting costs are apportioned equally to all participating municipalities.
- Different factors are used for each of the program areas to provide a reasonable estimate of the overall level of work required in each municipality. However, it is proposed that this estimate be used for the first three years and that the remaining two years, of the proposed five year agreement, be estimated and apportioned based on the experiences from the first three years.

Attached are the pie graphs from the proposal which were used to illustrate the allocation of staffing resources, relative costs of program area and municipal apportionment. Figure numbering refers to the proposal in which they were originally included.

While we have done our best to estimate the cost of these new services, it is anticipated that the cost will need to be updated based on discussions with the municipalities and other factors identified in the proposal. In developing the proposal it was assumed that most of the municipalities receiving this proposal will proceed with an agreement for the services. If some municipalities decline the services, it will affect both the total program costs and the apportionment to the municipalities.

The proposal also includes some options on partially funding some program areas through cost recovery. Some of the program areas may be able to recover costs through fees collected from the proponent. This could be collected by the CA or the municipality and used to offset the municipal costs of the program. If the CA is to collect these fees it would need to be consistent across the region.

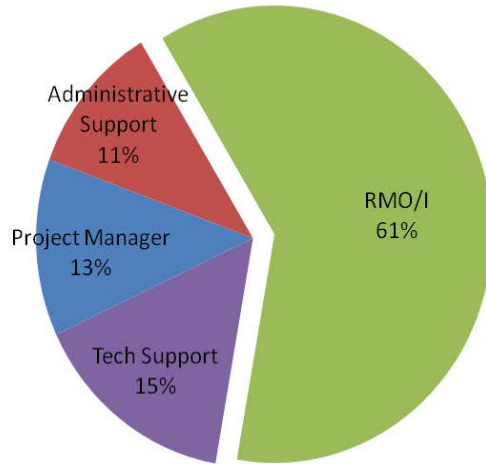
While it is not expected that the Province would fund Risk Management Services, it is assumed that CA requirements by the CWA would be funded by the province and therefore these costs are not included in this proposal. It is noted that in the 2013 provincial budget the province committed to providing \$13.5 million over 3 years to assist small and rural municipalities with the implementation of SPP. No details have been provided on whom or what would be eligible.

Following distribution of the proposal we have met (or will) meet with all of the municipalities included in the proposal. By mid September, we are asking that municipalities provide us with an indication of whether this proposal will be recommended by staff to their council. Based on the support of staff we may have to revise proposals to remove municipalities from the proposal and re-allocate costs to the municipalities remaining. We would then work with municipal staff to provide the municipalities with the information council will need to make a decision on how they will be providing these required services. We will be looking for council support by the end of October.

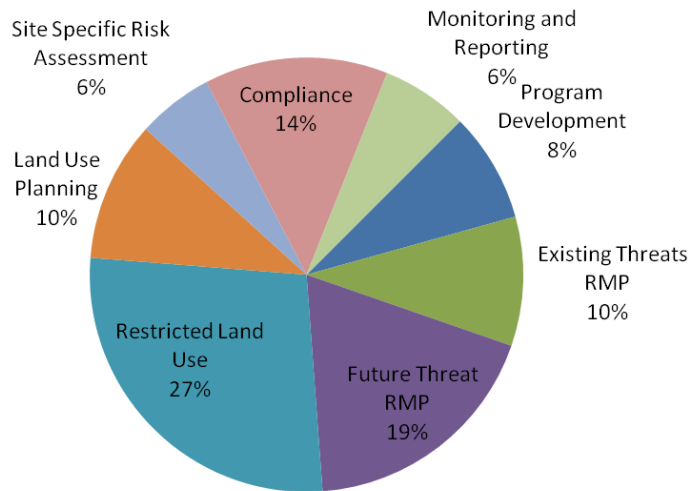
## **Conclusions**

- These services provide protection of municipal drinking water sources which are critical to healthy and prosperous communities.
- The CA proposal is intended to satisfy the municipal responsibility to meet the requirements under Part IV of the Clean Water Act.
- The proposal was prepared in response to municipal interest in having the CAs provide the services and is one of the options the municipalities may consider in providing these services.
- The proposal provides a level of service which the CA can be comfortable in providing. It includes all aspects of the service at a level which the CA can provide without having to look for funding from the levy or return to the municipalities for increased funding.
- The proposal suggests the fee schedule be reviewed after 3 years and fees for the remaining 2 years of the agreement would be based on the costs and relative levels of effort within each municipality.

**Figure 2 - Allocation of staffing resources (time)**



**Figure 3 - Relative cost of program areas**



**Figure 4 - Municipal apportionment**

