

FULL AUTHORITY MEETING
Wednesday November 16, 2016 9:30 am
Ball's Falls Centre for Conservation – Glen Elgin Room
3292 Sixth Avenue, Jordan, ON

A G E N D A

9:30 am

Public Session

◆ **DECLARATION OF CONFLICT OF INTEREST**

◆ **ADOPTION OF AGENDA**

◆ **DELEGATION**

- (1) *"In pursuit of World Heritage Designation" - Niagara-on-the-Lake UNESCO Committee, Presentation by David Hemmings*

◆ **NOTICE OF MOTION – Member B. Baty**

THAT staff be directed to undertake a watershed-wide, "Canada 150" Project involving the Sugar Maple trees to local schools with an upset limit of \$35,000 from the OPG (Ontario Power Generation) Reserves Fund.

◆ **BUSINESS**

- (1) A. Full Authority Meeting----- Draft Minutes October 19, 2016
B. Draft Committee Minutes
 ◆ *Cave Springs Master Plan Steering Committee (October 11, 2016)*
- (2) Business Arising from Minutes
- (3) Correspondence
 ◆ *NPCA letter to Minister of Natural Resources*
 ◆ *Letter from Hamilton Councillor Brenda Johnson*
- (4) Chairman's Remarks
- (5) Chief Administrative Officer Comments

Reports for Information

- (6) Project Status Reports:
 - 1. *Watershed Management*----- **Report No. 114-16**
 - 2. *Operations*----- **Report No. 115-16**
 - 3. *Corporate Services*----- **Report No. 116-16**
- (7) Tree & Forest Conservation By-law Status ----- **Report No. 117-16**
- (8) Financial & Reserves update month ending October 31, 2016 ----- **Report No. 118-16**

Reports for Consideration

- (9) Water Truck Agreement----- **Report No. 119-16**
- (10) Planning and Regulations Fees Report----- **Report No. 120-16**
- (11) Cave Springs Management Plan Approval & Actions ----- **Report No. 121-16**
- (12) Draft 2017 Meeting Schedule ----- **Report No. 122-16**
- (13) Other Business

Closed Session

- 1. Confidential Matter of Advice Identifying an individual(s)----- **Verbal update**
- 2. Violations Status update----- **Verbal update**

Public Session

- ◆ Resolution(s) from closed session
 - ◆ **ADJOURNMENT**
-

DELEGATION:

❖ In Pursuit of World Heritage Designation
Presenter – David Hemmings,
Niagara-on-the-Lake UNESCO Committee

November 16, 2016 Full Authority Meeting

IN PURSUIT OF WORLD HERITAGE DESIGNATION



NOTL UNESCO Committee

Request to NPCA

- A Letter of Support, in principle and conditional upon a nomination to Canada's Tentative List, to be attached to the "Niagara-on-the-Lake Cultural Landscape" submission in December 2016.

NOTL UNESCO COMMITTEE

- Mandate: To undertake a feasibility study and undertake research to support Town Council in deciding to put forward a nomination for consideration by the Government of Canada for its Tentative List.
- The UNESCO Committee consists of a number of community members with an interest in history and current events, Parks Canada, Town Council and Town Planners.
- There is also information sharing with Niagara Parks Commission, Niagara Regional Councillor, NPCA, our Federal representative and the Provincial Ministry of Culture.

NOTL's UNESCO Committee

2016/2017

- Co-chairs :

Betty Disero, Town
Councillor

Dr. Richard D. Merritt

- Jim Alexander
- Peter Harvey
- David F. Hemmings
- Denise Horne, Planner I
(Heritage Advisor)

** Peter Kavanagh

- Finn Madsen
- Eric Nielsen, Parks Canada
- Douglas Stewart

**In memory and recognition, Peter Kavanagh passed away

What is UNESCO World Heritage Designation

- The United Nations Educational, Scientific and Cultural Organization (UNESCO) through the designation of World Heritage Sites seeks to encourage the identification, protection and preservation and presentation of cultural and natural heritage around the world considered to be of outstanding value to humanity.

Why UNESCO Designation for Niagara-on-the-Lake

- **Commemorate our shared heritage**
 - Conserve the unique cultural landscape and the historical environment
 - Educate visitors and public on the history, geography and settlement of Niagara on the Lake
- **Celebrate the contributions of our people**
 - Recognize the natural heritage, Indigenous, European and African-American history.
 - Share the enrichment of our cultural heritage allowing our visitors a fuller experience.

Goals

- To **identify** and **research cultural heritage** resources and themes related to the municipality that can be considered **of Outstanding Universal Value** according to the criteria set out by the World Heritage Committee
- Organize and **create a submission** to Parks Canada for consideration on Canada's Tentative List

(Canada maintains a list of candidate sites which have strong potential to satisfy established criteria for inscription on The World Heritage List. Recently an invitation was sent out to Canadians to submit applications for the tentative list over a six month period ending January 27, 2017)

UNESCO criteria under consideration

- **Criterion IV** - to be an outstanding example of a type of building, architectural or technological ensemble or landscape which illustrates (a) significant stage(s) in human history;
- **Criterion V** - to be an outstanding example of a traditional human settlement, land-use, or sea-use which is representative of a culture (or cultures), or human interaction with the environment especially when it has become vulnerable under the impact of irreversible change;

Proposed Study Area



Common Themes in our History

- Focus on period from the receding of the last glacier (c. 10,000 BCE) to 1871
- A crossroads
 - Natural geography created a temperate micro-climate ideal for human habitation
 - Niagara escarpment to the south
 - Lower Niagara river to the east
 - Lake Ontario to the north
 - For most of its history, Niagara-on-the-Lake was a central area for exploration, trade and transportation (north/south and east/west movement in North America (Central) (cont'd)

Common Themes (cont'd)

- A place where people sought **peace** and/or **refuge**:
 - Indigenous – Neutral Nation peacemakers between warring Iroquois and Huron Nations
 - Europeans – early exploration, fur trade and economic development
 - French Emigres – escaping Republican France and Reign of Terror
 - Freedom Seekers – fleeing slavery
 - Loyalists – fleeing American revolution
 - American Confederate refugees – fleeing Civil War

What it means for private property

- World Heritage properties must have adequate long-term legislative, regulatory, institutional and/or traditional protection and management to ensure the safeguarding of the Outstanding Universal Value, including delineated boundaries.
- The properties under consideration for the World Heritage Site have existing legislative and regulatory protection in place whether the properties are owned by the Town or other stakeholder agencies (NPC, Parks Canada, NPCA, etc.).

The Message

- Niagara-on-the-Lake is ...
 - A unique cultural landscape in an unparalleled cultural, historic and natural environment;
 - and has always been a haven for people, for over 400 years.

Next Steps

- October to December, 2016
 - Public Information Sessions – Nov. 2016
 - Prepare Submission for Council Consideration
 - Prepare Application for Parks Canada 2016
 - Collect Letters of Support for Application
- Deadline: 27 January 2017 [Pre-Submission: December 2016]
 - Submit application for Parks Canada's Tentative List

For More Information

- Check out the Town of Niagara-on-the-Lake website to keep informed of UNESCO Committee activity at <http://www.notl.org/content/committee-boards-2014-18>
- Committee's terms of reference <https://notl.civicweb.net/document/6190/UNESCO%20Terms%20of%20Reference.pdf?handle=D9D957044EC349FEA203C551C895F009>

CORRESPONDENCE

- ❖ NPCA letter to Minister of Natural Resources (dated Nov 10-2016)
- ❖ Letter from Hamilton Councillor Brenda Johnson (dated October 26-2016)

November 16, 2016 Full Authority Meeting

250 Thorold Road West, 3rd Floor, Welland ON L3C 3W2
Telephone (905) 788-3135 x 251 | Facsimile (905) 788-1121
bruce.timms@niagararegion.ca | www.npca.ca

November 10, 2016

Hon. Kathryn McGarry
Minister of Natural Resources and Forestry
Suite 6630, 6th Floor, Whitney Block
99 Wellesley Street West
Toronto, ON M7A 1W3

Dear Minister McGarry;

Further to our correspondence of November 2, 2016 addressed to MPP Cindy Forster, Niagara Peninsula Conservation Authority has since made request to MPP Forster's office to meet and discuss her concerns.

We have enclosed a copy of NPCA's 2014 – 2017 Strategic Plan and previous correspondence of April 2014 by Cindy Forster, expressing similar concerns, along with our subsequent response addressed to your predecessor, David Oraziotti. Hoping this information provides some clarity on the position of the Niagara Peninsula Conservation Authority. I remain,

Yours truly,



D. Bruce Timms
Chair, Niagara Peninsula Conservation Authority

cc: Cindy Forster, MPP
Dianne Saxe, Environmental Commissioner of Ontario
Ralph Walton, Clerk, Regional Municipality of Niagara
Fred Eisenberger, Mayor, City of Hamilton
Ken Hewitt, Mayor, Haldimand County



Hamilton

Brenda Johnson

Councillor, Ward 11

Serving Communities of
Glanbrook, Winona, Rural Upper Stoney Creek

Wednesday, October-26-16

Mr. Bruce Timms, Chair
Niagara Peninsula Conservation Authority
250 Thorold Road West; 3rd Floor
Welland, ON L3C 3W2

Dear Bruce:

I would like to personally thank you for your donation of the beautiful framed pictures of the Binbrook Conservation Area from the NPCA.

These much appreciated items have been donated to a local community fundraiser event, and because they depict the area so well, they have been very well received by the community.

It is always a pleasure working together for the benefit of the community.

Thank you again and I would appreciate it if you would share this to all those involved in making this generosity possible.

Yours Truly,

Councillor Brenda Johnson

*The pictures are
fabulous +
very much
appreciated
B*

REPORTS FOR INFORMATION

November 16, 2016 Full Authority Meeting

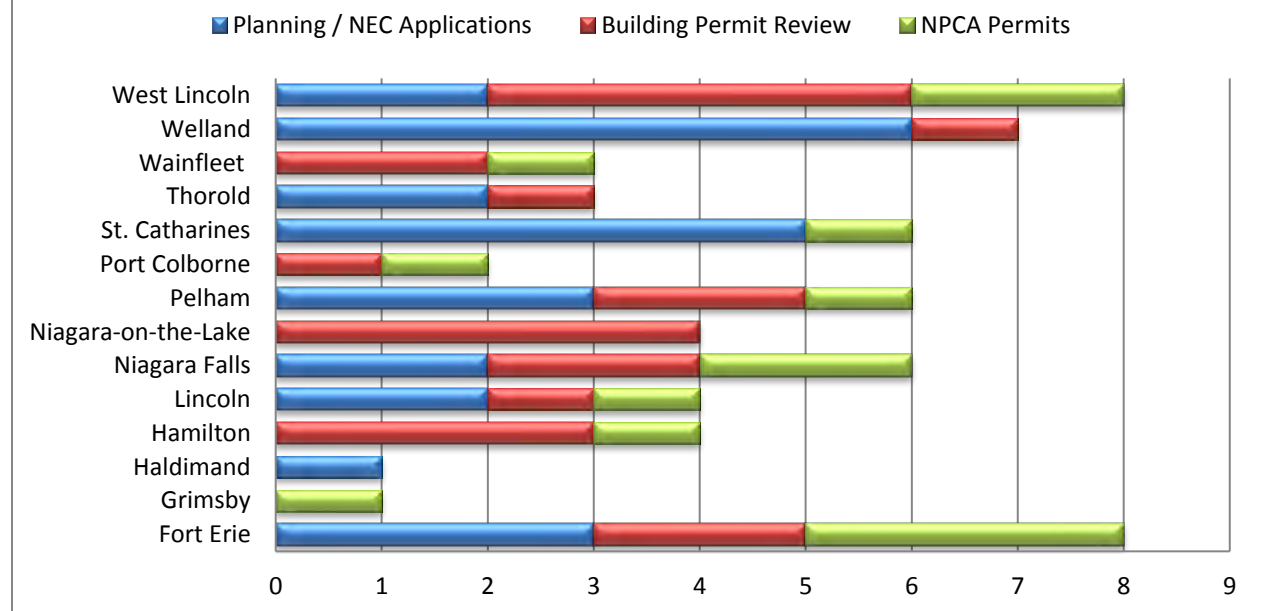
Report To: Board of Directors
Subject: Watershed Management Status Report
Report No: 114-16
Date: November 16, 2016

RECOMMENDATION:
THAT Watershed Management Status Report No. 114-16 be RECEIVED for information.

PURPOSE:
 To update the Board on the Watershed Management Team's activities and achievements during October 2016.

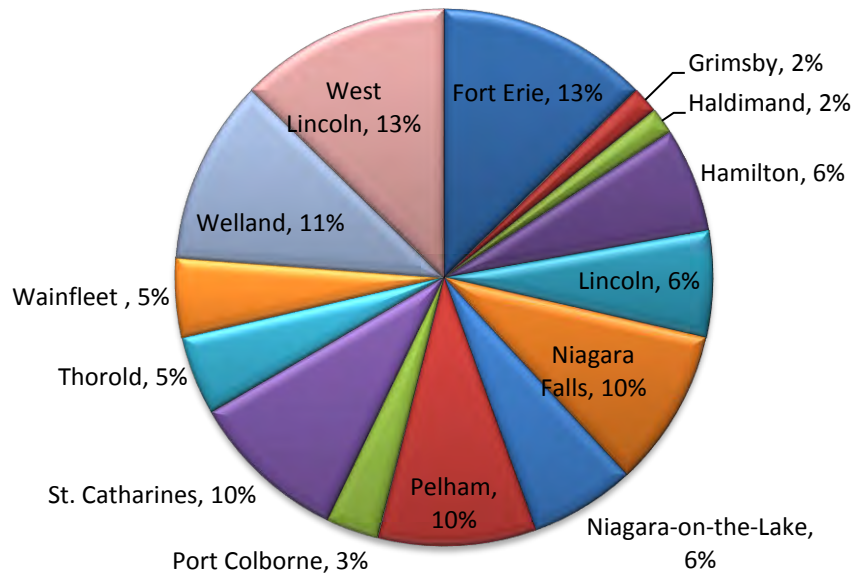
BACKGROUND:
A. Plan Review & Regulations

Figure 1: NPCA Watershed, No. of Applications by Type, October 2016



	Fort Erie	Grimsby	Haldimand	Hamilton	Lincoln	Niagara Falls	Niagara-on-the-Lake	Pelham	Port Colborne	St. Catharines	Thorold	Wainfleet	Welland	West Lincoln	Totals
Planning / NEC Applications	3	0	1	0	2	2	0	3	0	5	2	0	6	2	26
Building Permit Review	2	0	0	3	1	2	4	2	1	0	1	2	1	4	23
NPCA Permits	3	1	0	1	1	2	0	1	1	1	0	1	0	2	14
Totals	8	1	1	4	4	6	4	6	2	6	3	3	7	8	63

**Figure 2: Total No. of Applications (%),
October 2016**



1) Municipal and Development Plan Input and Review

The Watershed Management Department is responsible for reviewing *Planning Act* applications and Building Permit applications where there is a feature regulated by the NPCA. Under the Memorandum of Understanding (MOU) with Niagara Region, the NPCA reviews *Planning Act* applications with respect to the Region's Natural Environment Policies (Chapter 7 of the Regional Official Plan).

During October, 2016, the Watershed Management Department reviewed 26 *Planning Act* applications (various type and complexity)/Niagara Escarpment Commission Development Permit applications, 23 Building Permit applications, and 7 property information requests. Staff have been busy reviewing on-going/active applications as well as larger on-going municipal projects (Official Plan updates, Secondary Plans, etc.). Staff also responded to various inquiries from the public and local municipalities, as well as attended weekly consultation meetings with the local municipalities and conducted various site inspections.

2) Construction Approvals (NPCA Permits)

During the month of October, 2016, NPCA Permits and Compliance issued a total of 14 construction permits as per Section 28 of the Conservation Authorities Act. These are works that have or are to occur within regulated features, buffers to regulated features or hazard lands.

No.	PERMIT #	MUNICIPALITY	ADDRESS	WORKS PROPOSED/PURPOSE	REGULATED FEATURE	TOTAL DAYS	COMMENTS
1	3836	Grimsby	1 Tenth Street	Detached Garage	Lake Ontario Shoreline	27	
2	3837	Hamilton	5050 Harrison Road	Gazebo	LSW Buffer	0	
3	3838	Wainfleet	10727 Lakeshore Road West	Deck Installation	Lake Erie Shoreline	15	
4	3839	West Lincoln	913 Smithville Road	New Home Construction	LSW Buffer/Land adjacent to Floodplain	15	
5	3840	Lincoln	3950 Fly Road	Culvert Replacement	Watercourse Alteration	14	
6	3841	Fort Erie	4223 Erie Road	Second Storey Addition and Home Renovations	Lake Erie Shoreline	13	
7	3842	Fort Erie	2995 Dominion Road	Inground Pool	PSW Buffer	14	
8	3843	Port Colborne	1341 Firelane 1	New 2 Storey Home with Garage and Terrace	Lake Erie Shoreline/Dune	25	
9	3844	Niagara Falls	6399 Pinestone Road	Covered Patio and Basement Walkout	Slope Stability	14	
10	3845	St. Catharines	1242 Lakeshore Road West	Inground Pool	Lake Ontario Shoreline	21	
11	3846	Niagara Falls	Stanley Avenue (80m south of Lyons Creek Road)	Rehabilitation of Stanley Avenue (Somerville) Bridge	Watercourse Alteration	26	
12	3847	West Lincoln	7807 Concession 3 Road	Channel Cleanout	Watercourse Alteration	30	
13	3850	Pelham	1054 Chantler Road	New Storage Shed	PSW Buffer	7	
14	3853	Fort Erie	620 Industrial Drive	Silo Base Installation	Floodplain	0	

3) Watershed Biology

In October the Watershed Ecological Technicians have provided biology review for a variety of planning and regulations files.

Approximately 12 site visits were conducted for planning files, 17 site visits for permit files, and 3 site visits for compliance or other related issues, for a total of approximately 32 site visits in the month of October. Most of the site visits were followed with internal and external natural heritage comments.

Approximately 16 planning applications and 10 permit applications have been reviewed, with formal comments submitted to the Planning and Regulations staff.

Time has also been contributed to the Cave Springs Management Plan project, to the Health and Safety committee as the Worker Co-Chair, and providing updates related to CityView.

Biology staff are continuing the Cornell Lab Bird Academy course on Spring Field Ornithology, which will be completed by December.

The Supervisor of Watershed Biology has been attending meetings, site visits and working on several files including the DFO-CO MOU Working Group, Enbridge Line 10 (Hamilton), Thundering Waters (Niagara Falls), Warren Woods (Niagara Falls), the Niagara-on-the-Lake Official Plan update, completing scoping for several EIS's, and is participating in the NextGen municipal leadership course offered through Brock University.

4) Tree and Forest Conservation By-law – See Forest By-Law Summary Report

5) NPCA Policy Review

Dillon Consulting is preparing the draft NPCA policy document. Dillon is also working out the details for the enhanced public consultation process recommended by the Board at the September 2016 meeting.

B. Projects / Programs

1) Source Water Protection Plan

- Staff participated in a conference call held by the Ministry of Environment and Climate Change (MOECC) to discuss changes to annual source protection progress reporting.
- Staff continued to answer enquiries on source water protection, and respond to requests from the MOECC and our regional partners.

2) Water Quality Monitoring Program

- Staff continued routine monitoring at all NPCA 75 water quality monitoring stations. This will be performed monthly until November. Samples will be analyzed for general chemistry, nutrients, metals and bacteria.

- Staff continue to identify and process benthic macroinvertebrate samples from the NPCA's biological monitoring program.
- Provincial Groundwater Monitoring Network (PGMN): Staff continue to visit monitoring wells for manual downloads and perform QA/QC check on groundwater level data as part of their routine data maintenance protocol. Staff have completed the fall water quality sampling of PGMN wells.
- Staff attended Conservation Ontario's Watershed Report Card meeting in Toronto.
- Staff have initiated a nitrate track down study of a tributary in the Upper Twelve Mile Creek watershed to determine the source of unusually high nitrate surface water concentrations.
- To date, the NPCA has completed 9 projects under the Well Water Decommissioning Program for 2016. At this time 100% of the funding for this program has been allocated. The NPCA continues to receive requests for funding from this program.
- Staff continue to process data requests from other governmental agencies, consultants, and academic institutions.

3) Flood Control

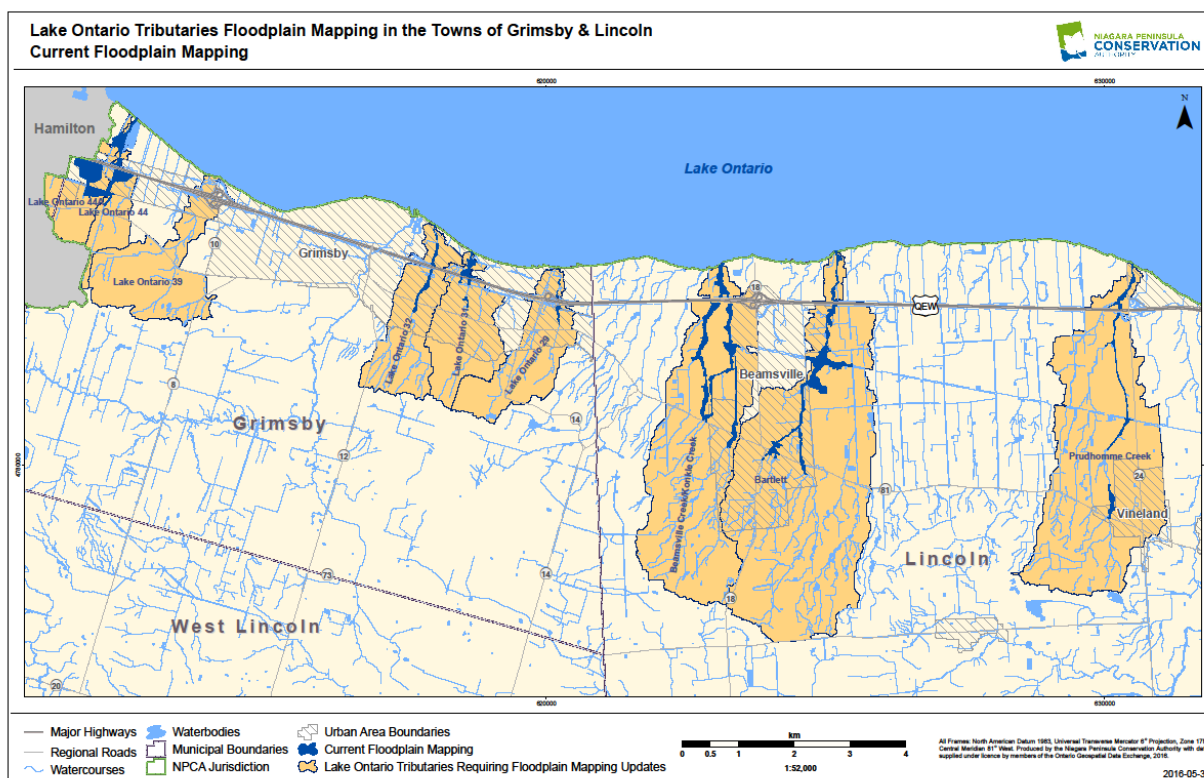
a) Flood Forecasting and Warning

- Binbrook Reservoir – The water level in the Reservoir is presently sitting approximately 14 inches (350mm) below the normal operational holding level. Due to the dry weather over the past season, water discharge from the reservoir has been greatly reduced. Staff continue to monitor reservoir water levels on a daily basis and make adjustments as warranted.
- Staff continue to monitor daily water levels at our 15 stream gauge stations, climatic data at our 15 climate stations, and undertake routine maintenance, calibration, and inspections at all 30 installations, as part of the NPCA's routine Flood Forecasting and Warning duties. The public may access this real-time water level and rainfall information through the NPCA's website.

b) Water Resource Engineering

- Staff continue to provide daily support to the Planning and Regulations program with respect to the analysis of natural hazards and the review of storm water management engineering designs.
- The NPCA was successful in obtaining a \$60,000 grant from the federal government's '*National Disaster Mitigation Program*' in order to update old 1989 floodplain mapping on watercourses in the Town of Lincoln (Bartlett Creek, Beamsville Creek, Prudhommes Creek) and the Town of Grimsby (Lake Ontario Tributaries #29, 31, 32, 39, 44 and 44a). see Figure 3. This grant will fund 50% of the anticipated \$120,000 cost of the project. The project is anticipated to begin in April 2017 and is scheduled to be completed by March 2018. Staff are in the process of compiling a RFP to issue to qualified engineering firms.

Figure 3: Current Lake Ontario Tributaries Floodplain Mapping in the Towns of Grimsby & Lincoln



4) Restoration

Project Implementation – Watershed Plans

The Watershed Restoration Program is responsible for improving water quality, water quantity and biodiversity within the NPCA Watershed. The Restoration Program advances these areas through the implementation of comprehensive watershed plans.

Watershed Plans have been developed for many of NPCA's watersheds. Each watershed plan identifies water quality/quantity and ecological objectives for that watershed, and details voluntary actions and activities that community partners and agencies can undertake to achieve those objectives.

The restoration program administers a cost-sharing program, offering local landowners financial incentives to implement water quality and habitat improvement projects on their properties. In addition to providing financial assistance to landowners, restoration staff will conduct one-on-one site visits providing technical advice.

Project Implementation – Voluntary Stewardship

Staff are completing the remaining 2016 stewardship projects. In total, 87 voluntary restoration projects have been implemented across priority watershed planning areas this year. All restoration projects include Best Management Practices (BMP's) principals. Typical BMP's are conservation farm practices, nutrient prevention and management projects, habitat naturalization, stream-bank stabilization, bioengineering, habitat diversification and rehabilitation such as wetland and riparian buffer restoration, etc.

Niagara River Remedial Action Plan (RAP)

- *RAP Re-Designation Reports* – The re-designation reports for Benthos and Eutrophication and Undesirable Algae have been completed. The Re-designation reports are required for each Beneficial Use Impairment assessment to document the issues, describe the actions taken and present the results. These reports require extensive public and stakeholder engagement before the process for de-listing can commence. Both re-designation reports will be placed on the RAP website for public comment. In addition, broad stakeholder engagement, including presentations will take place this winter.
- *Communication Plan Development* – A RAP Communication Plan has been developed to guide public outreach and engagement activities related to the re-designation of the 7 outstanding Beneficial Use Impairments (BUIs).
- Staff are planning on attending a Canada – New York Celebration with Phyllis Yaffe, Consul General of Canada in Buffalo, New York on Tuesday November 15th. The Consulate General of Canada is hosting this event with invited stakeholders from government, elected office, customs and security institutions, business, academia, and the not for profit sectors from both sides of the border. Specifically, invited officials from the Canadian Border Security Agency and other business/chambers of commerce in Canada specific to the Niagara Region. It is a reception honouring the new Consul General's first visit to the region since she began her tenure in September.

5) Special Projects

- Staff provided comments on planning applications for Niagara Region and local municipalities under the Planning Memorandum of Understanding.
- Staff assisted Operations with the Ball's Falls Sewage System and the Cave Springs Master Plan.
- Staff continued work on the Regional Bedrock Aquifer Study. In October the primary focus was collection of annual groundwater samples. Additional equipment needs were provided by the Ontario Geological Survey (OGS). Laboratory assistance was also provided by OGS, McMaster University and the Canada Centre for Inland Waters.
- Staff responded to information requests from consultants and the public, and supported the Source Water Protection program.
- Staff participated on the MOECC's provincial auditor's 5b Committee. This concerns notifying the public about naturally occurring groundwater elevated above drinking water standards.
- Staff used the Cave Springs Conservation Area to teach a groundwater field lab for Brock University Earth Science students (see photo below).



FINANCIAL IMPLICATIONS:

None

RELATED REPORTS AND APPENDICES:

None

Respectfully submitted by:

Peter Graham, P.Eng. CAO/Secretary-Treasurer

This report was prepared with consultative input from Suzanne McInnes, MCIP, RPP – Manager, Plan Review and Regulations, Brian Wright, P.Eng. – Manager, Watershed Projects, and NPCA staff.

Report To: Board of Directors
Subject: Operations Status Report
Report No: 115-16
Date: November 16, 2016

RECOMMENDATION:

THAT the NPCA Board **RECEIVE** Report No. 115-16 for information.

PURPOSE:

To provide the Board with a summary of Conservation Area activity and projects.

DISCUSSION:

❖ **Ball's Falls CA**

Providing operational support to the Thanksgiving Festival dominated the first half of the month.

	October
Adults admissions	609
Seniors/students admissions	452
Children admissions	50
Maximum - vehicles admissions	44
Membership renewals	0
Pavilion Rentals	1
Historical Tours given	0
Barn Wedding Receptions	13
Church Ceremonies	8
Centre for Conservation - wedding receptions	4
Centre for Conservation – non wedding rentals	6

❖ **Education Programs**

Girl Guides/Pathfinders:

We had one pathfinders group do our new compass orienteering course, and a LEED program.

School Visits:

We had one school visit on October 14th. This class trip was organized in conjunction with the filming of the documentary at the Comfort Maple Tree. The class first visited the tree and learned about trees and growth, and followed up with a guided hike at Ball's Falls. This program was free of charge to the school in order to accommodate the filming of students learning about the tree for the documentary.

Christmas in the Country:

Currently we have 8 schools (287 students) booked for the Christmas in the country program. Another e-mail will go out to schools in November reminding them to book their Christmas program. Currently the NCDSB is on "work to rule" and will not be booking any new class trips. This will affect the Christmas in the Country bookings as this is a very popular program with the Catholic schools.

Total programming revenue for October:	\$159.55
Total 2016 programming revenue to date:	\$27,423.34

Buildings:

All buildings have been closed for the winter as of October 31, 2016. They will reopen again in May. Some of the artifacts that are in the unheated buildings will be pulled out and put in heated buildings for the winter.

Respectfully Submitted by Nathaniel Devos, Park Superintendent at Ball's Falls Conservation Area and Jill Walters-Klamer, Program Assistant

❖ **Binbrook CA**

• **Operations**

Area water system winterization will be completed by Friday November 11th. Area maintenance is ongoing including dock/fishing pier winterization as well as equipment winterization.

Hunting blind reservations are available and hunters are continuing to see a variety of waterfowl species including wood ducks, mallards, blue bills and Canada geese. With a total of 10 available hunting blinds, Saturday occupancy averages 60-70% while Monday occupancy is around 25-30%.

- **Capital**

Splash Pad - Steady progress is being made. Concrete footings have been poured and features are being installed

Trail Upgrades – This project is about 80% complete with the remainder to be completed by the end of November.

Gazebo – At the time of this report, staff are waiting to hear from the City of Hamilton on the Building Permit.

Respectfully Submitted by Mike Boyko, Park Superintendent

❖ **Chippawa Creek Conservation Area**

- **Operations**

Camping:

The park was at seventy percent capacity for Thanksgiving weekend. Thanksgiving camping has become increasingly popular at Chippawa Creek.

Forty-two (42) seasonal campers have placed their deposit for 2017 with the deadline being December 1st.

The 2017 seasonal camping waitlist has increased to 38 people.

Honey Wagon Service:

Trailer sewage pump-outs averaged 57 for the month. This has become a very popular and convenient service for campers with additional seasonal campers expressing interest for this service in 2017.

Park Maintenance:

Staff is presently winterizing the park which includes stacking all the picnic tables, cleaning fire pits, removing fire rings from the campsites and clearing the water lines with compresses air.

Capital Projects:

Staff will begin Dils Lake walking trail rehabilitation when park winterization will be complete.

Respectfully Submitted by Rob Kuret, Park Superintendent, Chippawa Creek CA.

❖ Long Beach Conservation Area

- **Operations:**

One of the Niagara Region Public Health Inspectors, for Drinking Water, visited the site and has provided Long Beach Conservation Staff with a new Directive, for the next four years, related to drinking water at the park. This happens every 4 years. We are in full compliance.

The park closed as of Monday October 10th.

We have 9 camping trailers stored within the new compound, for the winter. This is additional revenue in 2016/17.

Staff is in the process of blowing out water lines and winterizing the gatehouse and comfort stations. Staff continues with mowing grass and general landscaping.

Respectfully Submitted by Mike MacIntyre, Park Superintendent, Long Beach CA.

❖ Central Workshop – Gainsborough CA

- **Operations:**

Staff at the Central Workshop remains busy, even after the main parks have closed for the season. Regular park maintenance of the remaining passive areas continues. Boat docks at E.C. Brown and Jordan Harbour have been removed. Staff have also been helping the main parks complete Capital and other projects.

All staff from the Central Workshop provided operational support to the Annual Thanksgiving Festival.

Staff have started to winterize equipment for the season including, boats, boat motors, mowers, tractors, and RTVs. Some equipment is being prepped for winter usage.

Respectfully Submitted by Mich Germain, Superintendent, Central Workshop

❖ ECOLOGICAL STATUS REPORT

Binbrook Lake Conservation Area:

On Saturday October 22, over 25 volunteers assisted in seeding a wild turkey habitat area at the Binbrook Conservation Area. The initiative was spearheaded and sponsored by The Canadian Wild Turkey Federation, Mount Hope Chapter. Approximately 0.4 hectares was seeded by volunteers including tall grass and forbs. This seeding will increase the diversity of species and vegetative communities at the site for improved environmental health.

Comfort Maple Conservation Area:

In anticipation of a potential Canada 150 project, fallen leaves were collected, decoupage and pressed to preserve the colour, and texture of the leaf.

Rockway Conservation Area:

The archaeological study for the site is to be completed by December 31, 2016. The final report by the selected consultant, Archaeological Research Associates Ltd. will include historical research, archaeological site assessment (via a Test Pit and document archaeological resources), and structure condition assessment and a Strategic Conservation Plan. This will assist NPCA staff in furthering the historical restoration work at the site including conservation of any significant historic features, and development and implementation of appropriate signage and educational messaging/programs related to the site's history.

Smith Ness Conservation Area:

The site restoration work of the tall grass prairie will be monitored in mid-summer to assess the success of the 2016 fall seeding. Specific to this monitoring will be the 50-80% grass to forb ratio with a minimum of three grass species, with one being 50cm or higher. Reseeding requirements will be assessed from this monitoring to ensure maintenance of the grass-forb ratio, with any reseeding to commence later the fall.

Cost estimates are being completed for the remaining original work identified at the site, including a site walking/hiking trail and 10 parking spaces. Feasibility of such features is still to be determined.

Wainfleet Bog Conservation Area:

As part of the proactive fire management of the site, all lightning strikes continue to be monitored by the Ontario Ministry of Natural Resources and Forestry Haliburton Office (OMNRF) and reported to the NPCA for site assessment and confirmation of any fires in field. For the month of October, no lightning strikes have been reported in the Wainfleet Bog.

Wainfleet Acquisition Conservation Area:

Staff are working with the adjacent landowner for coordinated efforts in completing the required Toad Habitat Enhancement Area on each site. This includes an agreement for coordinated restoration work on the adjacent land and the NPCA land.

Other Conservation Area Ecological Activity:

NPCA Hunting Program:

a) General: Hunting Permits

Staff has issued an additional 27 hunting permits for a total of 363 permits issued for the NPCA Conservation Areas for 2016, with 59 individuals residing outside of our administrative area.

b) Wild Turkey Season:

The 2016 fall hunting season for wild turkey is now closed. Reopening will be in the spring.

c) Ontario Controlled Deer Hunt. The first of the two provincial annual Controlled Deer Hunts in this area will start November 7 through November 13. The Conservation Authority usually observes an increase in hunters at its sites during this time. The site with the highest number of observed hunters during this time, is the Wainfleet Bog Conservation Area. Staff enforcement of hunting areas and permits is usually increased during the Controlled Deer Hunts to ensure adherence to site policies and regulations and well as ensure hunters have NPCA hunting permits.

Geocache:

One earthcache with two stages was approved at the Beamer Memorial Conservation Area.

These earthcaches focus on the geology of the area for educational purposes

Respectfully Submitted by Kim Frohlich

❖ **EVENTS STATUS REPORT**

Ball's Falls Thanksgiving Festival:

The Thanksgiving Festival attracted just over 22,000 guests with an additional 7-10,000 children over the course of the 4-day event. In total 175 vendors participated in the event which included two breweries and one winery, 10 Farmer's Market Vendors 17 concession vendors, and 145 Artisan vendors.

Final financial figures are still being compiled as concession fees are still being collected and invoices are still being submitted by external vendors. The December report will contain additional financial figures.

We are happy to report that we met our waste reduction goal and diverted over 95% of the waste generated at the event. At last year's event, 4082kg of garbage was generated at this event, in comparison to just 297kg at this year's event. This represents a 1300% improvement over last year. Of course, the credit for this extraordinary achievement goes to the Eco-Defender group. This team sorted each and every piece of garbage at this event with a team of volunteers. As a result of their efforts, 5214kg of organics were saved from the landfill. Further improvement can be made by ensuring vendors use bio-based materials that can be composted.

Volunteer orientation took place on October 3rd. The orientation covered aspects such as safety, event logistics and contacts, volunteer jobs, and ensured all volunteers received volunteer t-shirts. 260 volunteers were present over the course of the weekend.

The NPCA held a "vendor dinner" again this year. It was well received with 70% of survey vendors indicating they would like this practice to continue into 2017.

From the initial results of the survey, vendors indicated the biggest limitation at the event was the reliability of Wi-Fi service. Second was parking. Ninety-five percent (95%) of our vendors plan to return to the event in 2017 and over 90% were satisfied with the event.

Christmas Village:

The Christmas Village event will run December 3rd and 4th from 10am to 4pm. The event will feature Disney Characters from the movie Frozen including Elsa, Anna and Olaf. Santa will also be at the event, as well as horse drawn wagon rides.

Event Décor has been sourced and secured, with plans in motion to secure food vendors, livestock rentals, and additional character rentals.

This event will cost \$25/family.

New Event-Spring 2017:

Details for the new spring event continue to take shape. Additional meetings to determine logistics and budget will take place through November and December. The TVTA team is on board with the event taking place in the "campground" area at Ball's Falls Conservation Area.

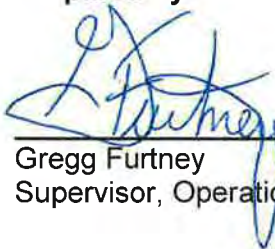
The date for this event will be May 28th& 29th 2017. Tickets are expected to be \$25

Canada 150 Celebration at Binbrook - New Event:

The initial meeting for this event took place in October. The Strategic Initiatives Manager is developing a proposal for this event. Ideas surrounding a "Pioneer Themed" event were discussed as well as offering canoe/kayak lessons for the event.

Respectfully Submitted by Brianne Wilson, Events Coordinator

Prepared by:



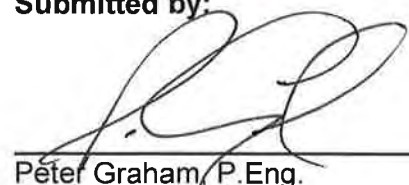
Gregg Furtney
Supervisor, Operations

Reviewed by:



Mark Brickell
Acting Director of Operations

Submitted by:



Peter Graham, P.Eng.
Acting Chief Administrative Officer/Secretary Treasurer

Report To: Board of Directors

Subject: Corporate Services Project Status Report

Report No: 116-16

Date: November 16, 2016

RECOMMENDATION:

THAT Corporate Services Project Status Report No. 116-16 be **RECEIVED** for information.

PURPOSE:

To provide the Board a summary of projects important to the Conservation Authority's business objectives.

DISCUSSION:

The project status report is to provide information pertaining to process improvements, initiatives in support of the strategic plan and supporting the organization to achieve its mission, vision and values.

Information Management & Technology Services:

- ❖ The CityView development tracking system continues implementation refinements now that it has been live for almost three months.
 - Staff is currently working on improving the letter templates in the system for the various review processes so that planning staff can start to use and depend on them more heavily as intended.
 - Staff continues to support the implementation team with the development of best management practices and expectations with using the system so that data is entered in a standardized way that will support reporting and other analysis needs that the system facilitates.
- ❖ Regulations data updates and publication were performed covering wetlands, natural heritage and hazard changes.
- ❖ Wrote and published dynamic spatial view layer of Cityview applications so the GIS system can see where CityView applications are located.
- ❖ Created digital signatures for planning and permits departments – added signatures to PDF digital stamps and to Word stored functions
- ❖ Cave Springs maps – created new series for embedding in report documents.

- ❖ Cross sections and well record graphic products for Special Projects OGS study were completed.
- ❖ FME Data Processing Automation – completed parcel update workflow (this will save staff an entire day's work quarterly). Started workflow for running wetland updates. Participated in three half day training sessions that were purchased with the software.
- ❖ Created SQL scripts and schedule jobs to automate exporting water monitoring data from the XConnect database to the database available for public access. This was necessary because it was previously done using a XConnect tool that has been failing since the last software update.

Communications

- NPCA Board Meetings - Live-Stream Results (The live stream was promoted on local Postmedia websites, NPCA website and social media channels)

Month	Peak Viewers	Average Viewers	Average View Duration
March	18	97	18:47
April	22	81	22:29
May	14	88	12:55
June	8	80	12:01
July	7	67	9:52
September	9	59	20:40
October	7	58	9:52
Monthly Combined Average	12	75.7	14:39

- The Communications Team assisted in promotion and development of materials for two public engagement sessions for the Cave Springs Management Plan and the Lakefront CA Master Plan. Both public sessions were well attended and met or exceeded the expectations of staff and organizers. Videos to promote and communicate the Cave Springs plan were created and posted in Social Media with favorable results.
- Communications has also started promotion for the upcoming Christmas event at Ball's Falls Conservation Area as well.
- The NPCA Q3 Quarterly report was distributed on November 9 to all area municipalities at all levels, website newsletter subscribers, and local media.

Foundation

- JT Gala final reports were submitted and received by the Foundation Board on Monday November 7th
- The Foundation continues to work towards its Strategic Plan formulation with the assistance of Liz Palmieri.

Human Resources:

Recruitment

Conclusion/off-boarding of summer student workers
Conclusion/off-boarding of Thanksgiving student workers

Employee Relations

Updated Workplace Harassment policy communicated in response to Bill 132
Staff training currently at 66% completion rate

Building security cards and ID cards deployed to all staff to ensure safety of employees

Health & Safety

Staff launch of MSDS Online, allowing for easy, convenient and organized access to Material Safety Data Sheets

Community Outreach and Volunteer Report

Community Liaison Advisory Committee (CLAC)

The next Community Liaison Advisory Committee meeting will be held in December 2016 – exact date to be determined.

Volunteers

The 2016 Ball's Falls Thanksgiving Festival was a tremendous success and a great deal of that is owed to the large number of volunteers that helped make this possible. **There were a total of 264 volunteers at the Festival and they contributed over 2400 hours.** Volunteers helped with vendor relief, heritage tours and demonstrations, flour sales, recycling, and Festival preparation.

Of special note is the work of the Eco-Defenders, a group of volunteers dedicated to reducing waste at events. The NPCA teamed up with the Eco-Defenders for the first time in 2016 and saw amazing results! The overall waste at the Festival was reduced from 9000lbs (4082kg) in 2015 to just 654lbs (297kg) in 2016. In 2015, 82% of our overall waste went to the landfill, in 2016 just 4.7% went to the landfill. The dedication of the Eco-Defenders was outstanding.

There was a group of Scouts from Welland and Cadets from Niagara Falls helping with the waste sorting, as well as a group from Mainstream, a non-profit organization dedicated to providing support services for adults with developmental disabilities.

Ball's Falls	2015 (not Eco-D)	% of 2015 total	2016	% of 2016 total
Recyclables	80 kg	1.5%	768 kg	12.2%
Organics	824 kg	16.5%	5214 kg	83.0%
Garbage	4082 kg	82%	297 kg	4.7%
<i>Totals</i>	<i>4986 kg</i>		<i>6279 kg</i>	

Also of note was the group of students from Niagara College's Event Management program. There were approximately 10 students from this program that volunteered every day at the Festival and were fantastic volunteers. We will be continuing this collaboration with Niagara College for future events.

The Canadian Wild Turkey Federation teamed up with a group of Cub Scouts to create and enhance Wild Turkey Habitat at Binbrook Conservation Area on October 22nd. A total of 37 volunteers attended and helped to spread native seed and plant trees on the property. The Glanbrook Conservation Committee continued their great work at Binbrook Conservation Area over the month of October, maintaining Tyneside Trail, cleaning garbage and maintaining the parking lot.

Earlier in the year, the NPCA submitted two possible video projects to Niagara College for consideration by their 3rd year TV production program. A group of students from the program chose the volunteer video as their project for 2016. The Community Outreach staff and the Communications staff have been working with the crew of six students. They are creating a 6-minute video featuring the NPCA's volunteers and highlighting the reasons why they volunteer with us.

Staff have begun the recruitment process for volunteers for the Christmas in the Country school program (November 28th-December 16th) and the Christmas Village Event (December 3rd & 4th) at Ball's Falls Conservation Area.

Overall, in the month of October, the NPCA was helped by 309 volunteers who recorded 2581 hours of volunteer time.

Community Outreach

Staff has submitted the Final Report for the Ontario Community Environment Fund grant funded by the Government of Ontario. All three pollinator gardens have been completed at Stevensville Conservation Area, St. John's Conservation Area and Smith-Ness Conservation Area. Educational signs will be installed at all three locations before the end of the year using the grant money.

Preparations for the 2017 Niagara Envirothon have begun. This program is an environmental skill testing competition for high school students. The Envirothon is part of the larger Ontario Envirothon and the North American Envirothon programs. The winning team from the NPCA watershed represents our jurisdiction at the Ontario Envirothon.

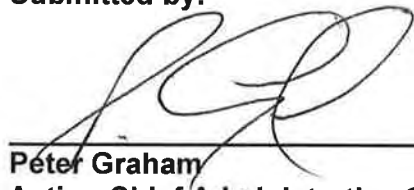
Staff has begun planning the 2016 Conservation Achievement Awards to recognize the efforts of volunteers and people doing conservation work in our community. A call for nominations for the Award of Merit and the date will be shared soon.

Prepared by:



David Barrick
Director of Corporate Services

Submitted by:



Peter Graham
Acting Chief Administrative Officer
Secretary Treasurer

This report was prepared in consultation with: Geoff Verkade, Manager, Information Management and Technology Services; Michael Reles, Communications Specialist; Genevieve-Renee Bisson, Foundation Coordinator; Misti Ferrusi, HR Generalist; and, Kerry Royer, Community Outreach Coordinator.

Report To: Board of Directors

Subject: NPCA Forestry and Tree and Forest Conservation By-law Status

Report No: 117-16

Date: November 16, 2016

RECOMMENDATION:

THAT Report No.117-16 regarding the status of NPCA Forestry activities and the Tree and Forest Conservation By-law be **RECEIVED** for information.

PURPOSE:

To provide an update on the status of Tree & Forest Conservation By-law and forestry activities being conducted by the NPCA Forester.

BACKGROUND:

By-law issues/main activities since October 7, 2016 include:

- Harvest operations approved under Good Forestry Practices (GFP) permits in woodlots located in West Lincoln and Fort Erie are in progress. Operations are being routinely monitored by the NPCA Forester to ensure conformance with permit conditions and operating conditions are suitable. Monitoring has increased because of Fall weather conditions.
- Conducted final inspection in one woodlot located in Fort Erie harvested under a GFP permit. Operations were conducted during the favourable weather conditions. Soil disturbance was minimal throughout the woodland and was confined to main skid trails. Operations were well conducted in accordance with Good Forestry Practices as outlined in the permit.
- Received a GFP permit application for a woodlot in Wainfleet. Application to be reviewed for potential operations in fall/winter 2016-17.
- Conducted a site visit with a woodlot owner in Lincoln interested in managing/harvesting their hardwood forest. Provided forestry advice on what steps could be taken and gave them instructions on how to obtain a Good Forestry Practices permit.
- Investigating a Forest Conservation Bylaw non-compliance in Niagara Falls that involves clearing of 1.3 hectares of forest.
- Submitted to our legal counsel, estimated costs to reforest a property subject to a Bylaw charge from March 2016. Also provided input on the amount of fine that should be applied. The matter is before the court.
- Assessed hazard trees on a property in St. Davids located in the NEC's Natural

Area. Several trees were on a slope and are leaning over the owner's house. Those deemed hazardous were marked and can be removed by the owner.

- Marked protected features (significant woodlands, streams, wetlands) on two properties in Thorold and Niagara-on-the-Lake that are being cleared in preparation for agricultural use. Marking involved hanging flagging tape along the boundary of the features where clearing must stop.
- Dealt with a tree cutting complaint in Thorold. Assessing the clearing work and the impact to a watercourse and wetland area to determine course of action.
- Followed up on a tree cutting complaint in St. Catharines. The amount of cutting was not considered a bylaw non-compliance.
- Received an inquiry from *Scouts Canada* that use an area for their hall at Beamer CA. They are concerned about dead/dying ash trees. These trees pose a risk as individual ash trees decline from EAB infestation. The hazardous trees were assessed and marked by the NPCA Forester and then assigned to NPCA Operations staff to deal with.
- The hazardous tree inquiries above and previous ones since March 2016 have been summarized in a work report (NPCA Ash Removal Program) to assist NPCA operations staff in tracking the number of trees to be removed and work completed.
- Commenced work on an inventory project to locate and assess hazard trees located on authority properties adjacent to private residential lots. The project will determine the scope of work needed to address hazard tree removal. The majority of the hazard trees will be dead and declining ash trees impacted by EAB. The assessment will include the level of risk each tree or groups of trees pose to private property. A high risk assessment would involve a large diameter dead tree(s) leaning towards a private property within a distance of causing damage to a structure and/or poses a safety risk. The inventory will be summarized in the work report (NPCA Ash Removal Program) and provided to NPCA operations staff to create a work plan to remove identified hazard trees. This inventory must be completed by March 31, 2017.

FINANCIAL IMPLICATIONS: None


RELATED REPORTS AND APPENDICES: None

Prepared by:

Dan Drennan

Dan Drennan,
R.P.F.; Forester

Submitted by:



Peter Graham
Acting Chief Administrative Officer
Secretary Treasurer



Report To: Board of Directors

Subject: Financial and Reserve Report – Month Ending Oct. 31, 2016

Report No: 118-16

Date: November 16, 2016

RECOMMENDATION:

THAT Report No. 118-16 be **RECEIVED** for information.

DISCUSSION:

To provide the Board a summary of operations & capital expenditures versus revenues and to provide a comparison of actual results to the budget as approved by the Board.

The report confirms the general financial oversight and compliance with Public Sector Accounting Board standards.

FINANCIAL IMPLICATIONS:


The lines of business are within budget allocations identified during the budget preparation and approval cycle.

RELATED REPORTS AND APPENDICES:

Appendix 1 – Budget Status Report: month ending October 31, 2016 (consolidated)

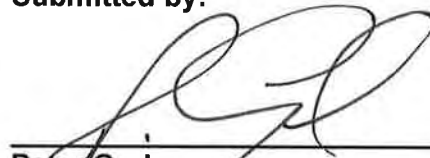
Appendix 2 - Statement of Reserves for month ending October 31, 2016

Prepared by:



David Barrick
Director of Corporate Services

Submitted by:



Peter Graham;
Acting CAO/Secretary Treasurer

This report was prepared in consultation with John Wallace, Manager of Finance.

NIAGARA PENINSULA CONSERVATION AUTHORITY
CONSOLIDATED NON CAPITAL
JANUARY 1, 2016 - OCTOBER 31, 2016

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>ANNUAL BUDGET</u>	<u>% OF BUDGET</u>
MNR TRANSFER PAYMENTS	174,496.00	174,500.00	100.0%
PROVINCIAL GRANTS - MOE	110,295	95,000	116.1%
PROVINCIAL GRANTS - OTHER	341,180	235,000	145.2%
FEDERAL GRANTS	187,061	235,000	79.6%
MUNICIPAL LEVY - GENERAL	5,145,765	5,145,765	100.0%
LEVY - SPECIAL - NIAGARA	2,172,633	2,172,633	100.0%
LEVY - SPECIAL - HAMILTON	19,700	19,700	100.0%
ADMINISTRATION FEES	313,817	355,000	88.4%
USER FEES /OTHER REVENUES	1,625,629	1,499,725	108.4%
RESERVE FUNDS	-	135,000	0.0%
LAND OWNER CONTRIBUTION	12,393	-	100.0%
MISCELLANEOUS	61,501	211,244	29.1%
	10,164,470	10,278,567	98.9%

EXPENDITURES

CAO/BOARD & CORPORATE SERVICES	3,711,984	4,149,598	89.5%
WATERSHED	2,493,879	3,225,585	77.3%
OPERATIONS	2,366,490	2,903,384	81.5%
	8,572,354	10,278,567	83.4%

**NIAGARA PENINSULA CONSERVATION AUTHORITY
CAO/BOARD AND CORPORATE SERVICES
JANUARY 1, 2016 -OCTOBER 31, 2016**

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>ANNUAL BUDGET</u>	<u>% OF BUDGET</u>
MNR TRANSFER PAYMENTS	75,796	75,800	100.0%
MUNICIPAL LEVY - GENERAL	2,325,665	2,325,665	100.0%
LEVY - SPECIAL - NIAGARA	1,563,133	1,563,133	100.0%
INTEREST INCOME	20,716	60,000	34.5%
MISCELLANEOUS	1,732	-	100.0%
RESERVE FUNDS		55,000	100.0%
CONSERVATION FOUNDATION	19,508	70,000	27.9%
	4,006,549	4,149,598	96.6%

EXPENDITURES

CAO & BOARD EXPENSES	297,431	325,073	91.5%
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CORPORATE SERVICES

CORPORATE MANAGEMENT	1,644,780	1,828,842	89.9%
OFFICE SERVICES	718,746	767,094	93.7%
FINANCIAL SERVICES	283,321	273,937	103.4%
HUMAN RESOURCES	84,520	117,590	71.9%
INFORMATION TECHNOLOGY	413,708	511,324	80.9%
CORPORATE COMMUNICATIONS	269,478	325,738	82.7%
	3,414,553	3,824,525	89.3%

**NIAGARA PENINSULA CONSERVATION AUTHORITY
WATERSHED
JANUARY 1, 2016 - OCTOBER 31, 2016**

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>ANNUAL BUDGET</u>	<u>% OF BUDGET</u>
MNR TRANSFER PAYMENTS	98,700	98,700	100.0%
PROVINCIAL GRANTS - MOE	110,295	95,000	116.1%
PROVINCIAL GRANTS - OTHER	341,180	235,000	145.2%
FEDERAL GRANTS	187,061	235,000	79.6%
MUNICIPAL LEVY - GENERAL	1,628,441	1,628,441	100.0%
LEVY - SPECIAL - NIAGARA	477,500	477,500	100.0%
LEVY - SPECIAL - HAMILTON	19,700	19,700	100.0%
ADMINISTRATION FEES	313,817	355,000	88.4%
RESERVE FUNDS	-	-	0.0%
LAND OWNER CONTRIBUTION	12,393	-	100.0%
MISCELLANEOUS	19,546	81,244	24.1%
	3,208,633	3,225,585	99.5%

EXPENDITURES

WATERSHED MANAGEMENT	232,278	326,785	71.1%
PLAN REVIEW AND REGULATIONS	928,139	1,119,381	82.9%
WATERSHED PROJECTS	1,333,462	1,779,419	74.9%
	2,493,879	3,225,585	77.3%

**NIAGARA PENINSULA CONSERVATION AUTHORITY
OPERATIONS
JANUARY 1, 2016 -OCTOBER 31, 2016**

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>ANNUAL BUDGET</u>	<u>% OF BUDGET</u>
MUNICIPAL LEVY - GENERAL	1,191,659	1,191,659	100.0%
LEVY - SPECIAL - NIAGARA	132,000	132,000	100.0%
USER FEES/OTHER REVENUES	1,625,629	1,499,725	108.4%
RESERVE FUNDS	-	80,000	0.0%
	<u>2,949,288</u>	<u>2,903,384</u>	<u>101.6%</u>
<u>EXPENDITURES</u>			
OPERATIONS MANAGEMENT	356,550	457,673	77.9%
STRATEGIC INITIATIVES	437,008	599,348	72.9%
LAND PROGRAMMING	1,443,155	1,645,863	87.7%
VEHICLES AND EQUIPMENT	129,778	200,500	64.7%
	<u>2,366,490</u>	<u>2,903,384</u>	<u>81.5%</u>

NIAGARA PENINSULA CONSERVATION AUTHORITY
CONSOLIDATED CAPITAL
JANUARY 1, 2016 - OCTOBER 31, 2016

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>% OF BUDGET</u>
FEDERAL GRANTS	-	245,000	100.0%
MUNICIPAL LEVY - GENERAL	653,248	864,845	75.5%
LEVY - SPECIAL - NIAGARA	500,000	500,000	100.0%
LEVY - SPECIAL - HAMILTON	100,000	100,000	100.0%
RESERVE FUNDS	-	694,500	0.0%
MISCELLANEOUS	-	29,000	100.0%
	1,253,248	2,433,345	51.5%

EXPENDITURES

CORPORATE SERVICES	111,108	182,500	60.9%
WATERSHED	50,721	112,500	45.1%
LAND DEVELOPMENT	727,297	1,710,876	42.5%
NIAGARA DIFFERENTIAL (RESERVE)	-	427,469	0.0%
	889,126	2,433,345	36.5%

NIAGARA PENINSULA CONSERVATION AUTHORITY
CORPORATE SERVICES - CAPITAL
JANUARY 1, 2016 - OCTOBER 31, 2016

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>% OF BUDGET</u>
MUNICIPAL LEVY - GENERAL	182,500	182,500	100.0%
	182,500	182,500	100.0%
 <u>EXPENDITURES</u>			
CORPORATE SERVICES	27,080	70,000	38.7%
GIS	84,028	112,500	74.7%
	111,108	182,500	60.9%

NIAGARA PENINSULA CONSERVATION AUTHORITY
WATERSHED CAPITAL
JANUARY 1, 2016 - OCTOBER 31, 2016

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>% OF BUDGET</u>
RESERVE FUNDS	-	112,500	0.0%
	-	112,500	0.0%
<u>EXPENDITURES</u>			
BINBROOK DAM	-	10,000	0.0%
STREAM GUAGE & MONITORING NETWORK	50,721	92,500	54.8%
GENERAL OFFICE ENHANCEMENT/MISC.	-	10,000	0.0%
	50,721	112,500	45.1%

NIAGARA PENINSULA CONSERVATION AUTHORITY
CONSERVATION LAND DEVELOPMENT - CAPITAL
JANUARY 1, 2016 - OCTOBER 31, 2016

<u>REVENUES</u>	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>% OF BUDGET</u>
FEDERAL GRANTS	-	245,000	100.0%
MUNICIPAL LEVY - GENERAL	254,876	254,876	100.0%
LEVY - SPECIAL - NIAGARA	500,000	500,000	100.0%
LEVY - SPECIAL - HAMILTON	100,000	100,000	100.0%
RESERVE FUNDS	-	582,000	0.0%
MISCELLANEOUS	-	29,000	100.0%
	854,876	1,710,876	50.0%

EXPENDITURES

LAND ACQUISITION (RESERVE)	-	600,000	0.0%
BALL'S FALLS	80,692	65,000	124.1%
BINBROOK	313,983	645,499	48.6%
CHIPPAWA CREEK	114,774	130,000	88.3%
LONG BEACH	64,212	132,000	48.6%
ECOLOGICAL PROJECTS	697	29,000	100.0%
GAINSBOROUGH CENTRAL WORKSHOP	152,939	109,377	139.8%
	727,297	1,710,876	42.5%

**NIAGARA PENINSULA CONSERVATION AUTHORITY
STATEMENT OF CONTINUITY OF RESERVES AND RESERVE FUND
PROJECTION FOR THE YEAR ENDED DECEMBER 31, 2016**

	Balance 31-Dec <u>2015</u>	Approved Budgeted <u>Inflows</u>	*Approved Budgeted <u>Outflows</u>	Projected 31-Dec <u>2016</u>
	\$	\$	\$	\$
Unexpended capital reserves				
Capital Assets				
Vehicle	210,731	0	60,000	150,731
Equipment	59,582	0	20,000	39,582
Computers & office equipment	79,522	0	0	79,522
	<u>349,835</u>	<u>0</u>	<u>80,000</u>	<u>269,835</u>
Conservation area capital reserve				
Niagara Region	1,209,346	0	804,569	404,777
City of Hamilton	136,682	0	327,250	(190,568)
Haldimand County	11,594	0	0	11,594
Niagara Levy Differential	347,000	427,469	0	774,469
Land acquisition-Hamilton	800,000	100,000	0	900,000
Land acquisition-Niagara	298,174	500,000	0	798,174
	<u>2,802,796</u>	<u>1,027,469</u>	<u>1,131,819</u>	<u>2,698,446</u>
Water management capital projects				
Welland River restoration - Niagara	242,210	0	0	242,210
Welland River restoration - Hamilton	10,676	0	0	10,676
Water Management	46,167	0	51,200	(5,033)
Watershed Studies-Niagara	3,162	0	0	3,162
Watershed Studies-Hamilton	20,260	0	0	20,260
Watershed Studies-Haldimand	22,032	0	0	22,032
Flood Protection Services	483,978	0	10,000	473,978
Resource Inventory & Monitoring	52,443	0	51,300	1,143
	<u>880,928</u>	<u>0</u>	<u>112,500</u>	<u>768,428</u>
	<u>4,033,559</u>	<u>1,027,469</u>	<u>1,324,319</u>	<u>3,736,709</u>
Operating reserves				
Conservation Areas				
Niagara Region	90,274	0	0	90,274
City of Hamilton	191,372	0	0	191,372
Haldimand County	14,931	0	0	14,931
	<u>296,577</u>	<u>0</u>	<u>0</u>	<u>296,577</u>
Conservation Land Management				
Tree Bylaw	61,765	0	0	61,765
Agreement forest	20,606	0	0	20,606
Regulations & planning services	181,647	0	0	181,647
General operating contingency	45,808	0	40,000	5,808
	<u>606,403</u>	<u>0</u>	<u>40,000</u>	<u>566,403</u>
Reserve Fund				
Accumulated sick leave	16,103	0	15,000	1,103
	<u>16,103</u>	<u>0</u>	<u>15,000</u>	<u>1,103</u>
Ontario Power Generation Funding	<u>1,906,616</u>	<u>0</u>	<u>110,244</u>	<u>1,796,372</u>

* Approved outflows include: \$394,801 from 2015 carryover capital projects

REPORTS FOR CONSIDERATION

November 16, 2016 Full Authority Meeting

Report To: Board of Directors

Subject: Long Beach Conservation Area – Water Truck Purchase or Finance

Report No: 119-16

Date: November 16, 2016

RECOMMENDATION:

1. THAT Report No. 119-16 be RECEIVED for information,
2. THAT the NPCA Board of Directors AUTHORIZE staff to purchase a new 2017 International Workstar Automatic DZ Truck, from Archer Trucking (Welland) for hauling potable water to Long Beach Conservation Area during the Operating Season, as per Option 8, with the monies coming from the Vehicle and Equipment Reserve accounts.

PURPOSE:

To seek Board approval for the purchase of a new water truck. Board approval is required for all purchases in excess of \$75,000.

DISCUSSION:

At the May 18th, 2016 Board Meeting, staff brought forward Report # 60-16, entitled “Long Beach Conservation Area Water Treatment System”. (Appendix 1). The Report documented concerns about the water treatment system at Long Beach Conservation Area, due to mechanical and biological issues which could negatively affect water quality at the campground. At that time, the Board directed staff to lease a water truck and start trucking in water to Long Beach, while assessing the potential benefit of purchasing a water truck.

Staff explored options a wide range of new and used truck options with alternative purchasing and finance options.

Ultimately, a Request for Quotation was issued on Friday September 9th, 2016, via email, to 13 separate Large Truck Dealers across Ontario. RFQs were due by 1pm on Friday September 23rd, 2016. Four submissions were received, 1 from Thomas Solutions and 3 from Archer’s Trucking in Welland.

- 1.) Thomas Solutions: 2017 4300 International 4X2, New Truck, leased to own over 10 years with a \$500 buy-out at the end of the term. With no money down, the monthly cost would be \$1,985. This truck is a Multiuse Roll-off Truck and is Automatic. It includes a 18 foot landscape deck, 20 foot Flat Deck, and an 18 foot Deck with HD Elliptical 2,635 US Gallon Tank. The purchase price is \$153,397.64 + HST.

- 2.) Archer's Trucking (Welland): 2015 Used International Workstar - \$89,148.08 + HST
- 3.) Archer's Trucking (Welland): 2017 New International Workstar - \$94,345.00 + HST
- 4.) Archer's Trucking (Welland): 2017 New International Workstar (Automatic) - \$99,543.00 + HST

Financing is available through Navistar Financing, in relation specifically to the Archer's Trucking RFQs. The NPCA could offer a down payment to any of the above RFQs to bring the monthly costs down, from the current 2016 Operations Budget.

Navistar is offering two Finance Options:

- 1.) Down Payment with a 72 month Quasi-Lease at 4.9% financing with a \$1 buy-out, OR
- 2.) Down Payment with a Conditional Sale Contract, 72 months at 4.9% with a \$1 buy-out.

Thomas Solutions offers a 7 or 10 year lease to own contract.

Monthly payments would be based on the amount of a down payment authorized by the Board of Directors in consultation with the Senior Management Team.

There is currently \$80,000 in the 2016 authorized vehicle and equipment reserve budgets. There is an additional \$270,000 in the overall vehicle and equipment reserve. Spending these dollars would require Board approval to access the additional \$32,484 necessary to make this purchase, in full.

FINANCIAL IMPLICATIONS:

- Option 1: Thomas Solutions New Automatic Transmission Multiuse DZ Truck, Lease to Own, no money down. This includes manufacture warranties, but no maintenance package. The lease can be either a Seven (7) or Ten (10) year lease.
- Option 2: Purchase the above truck from Thomas Solutions in full - \$153,397.64 + HST
- Option 3: Archer Trucking, Used 2015 International Workstar, Quasi-Lease, 72 Months, no money down, 4.9% Financing, \$1 backend buyout. OR Conditional Sales Contract, 72 Months, no money down, 4.9% Financing, \$1 backend buyout
- Option 4: Purchase the above truck from Archer Trucking in full - \$89,148.08 + HST
- Option 5: Archer Trucking, New 2017 International Workstar (10 Speed Transmission), Quasi-Lease, 72 Months, no money down, 4.9% Financing, \$1 backend buyout. OR Conditional Sales Contract, 72 Months, no money down, 4.9% Financing, \$1 backend buyout
- Option 6: Purchase the above truck from Archer in full - \$94,345.00 + HST
- Option 7: Archer Trucking, New 2017 International Workstar (Automatic Transmission), Quasi-Lease, 72 Months, no money down, 4.9% Financing, \$1 backend buyout. OR Conditional Sales Contract, 72 Months, no money down, 4.9% Financing, \$1 backend buyout

Option 8: Purchase the above truck from Archer in full - \$99,543.00 + HST (**\$112,483.59**)

** The above pricing is with no money down. In order to calculate what the monthly fees would be, with financing, staff will need to know what Down Payment the Board of Directors and the Senior Management Team is willing to give.

RELATED REPORTS AND APPENDICES:

1. Board Report 60-16, Long Beach Conservation Area Water Treatment System

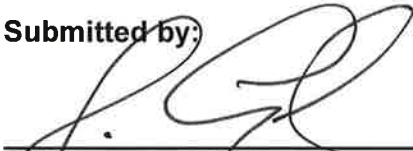
Prepared by:



Mark Brickell

Director of Operations & Strategic Initiatives

Submitted by:



Peter Graham, P.Eng.

Acting CAO / Secretary Treasurer



Report To: Board of Directors

Subject: Long Beach Conservation Area Water Treatment System

Report No: 60-16

Date: May 18, 2016

RECOMMENDATION:

That Report No. 60-16 be received; and,
That the NPCA Board of Directors direct staff to start trucking in potable water to Long Beach Conservation Area in light of the mechanical and biological issues related directly to the safe treatment and distribution of potable water to its campground patrons.

PURPOSE:

NPCA Staff is seeking direction from the NPCA Board of Directors to start trucking in water to Long Beach Conservation Area due to mechanical and biological water treatment and distribution issues with the existing Water Treatment Plant. The existing budget is not sufficient.

BACKGROUND:

The original water treatment and distribution design (by ASI in 2005) was for a Class 1 Water Treatment System, however the regulations have changed and the water treatment plant is now required to run under the new Regulation 319/08, Seasonal Small Drinking Water System.

Long Beach Conservation Area currently treats and distributes its own potable water to the campground up until approximately the first week in August. The annual Algae Bloom hits Lake Erie at that point and staff is required to truck in water for the remainder of the season, approximately 10 weeks. The existing system cannot treat Algae. Algae is very difficult to treat, even at Municipal Systems. The current operating budget for 2016 is \$7500, which has been sufficient in past years to pay for disposable operational items (i.e. UV Bulbs, various filters, etc.) plus to truck water in for the remaining 10 weeks of the season.

Upon commissioning of the water treatment plant this year, staff found that a number of key components/instruments (e.g. Turbidity Meter, Chlorine Probe Sensor, all new UV Bulbs and Sleeves, and several cases of filters.) needed to be replaced, at a cost of \$12,520.

In addition to the upfront costs of upgrading these items, the Public Health Department and Environment Canada are predicting an earlier than normal, Algae Bloom. It is suggested it may hit as early as June. The temperatures in Lake Erie are already above normal and algae are already hitting Lake Erie beaches, including the beach at Long Beach Conservation Area. This means that we will have to start trucking in water 6 to 7 weeks earlier than normal.

DISCUSSION:

In order to provide safe drinking water to Long Beach Conservation Area, the NPCA will be required to:

Option A: Repair/ replace the existing water system, at a cost of \$12,520 and then still pay to truck in water once the Algae Bloom hits, likely in June.

Option B: Truck water in for the entire season and plan for upgrades in the 2017 Capital Budget. A load of water from a 3rd party contractor is approximately \$110 per load of water.

Option C: Purchase or Lease a water truck and truck water into the park for the entire season. A load of water trucked by staff would be approximately \$70 per load.

A load of water costs the NPCA approximately \$110. If the NPCA were to truck its own water in, it would be approximately \$70 a load (includes Thomas Solutions Lease, fuel, and general truck maintenance.)

In June, September, and the first couple of weeks of October, the park averages 1.5 loads of water a day. In July and August, the park uses an average of 3 loads of water a day. A load of water is 2600 US gallons and the park has a 10,000 US gallon holding tank.

All water is currently trucked into Chippawa Creek and increasingly this is becoming the norm at campgrounds across Ontario.

The preferred staff option is Option C. Should Option C be approved, staff would recommend leasing a water truck from Thomas Solutions for the 2016 season, while assessing the potential benefit of purchasing a water truck for Long Beach CA.

FINANCIAL IMPLICATIONS:

With Option A, the NPCA will pay out \$12,520 on the outset and then pay an additional \$27,975 in loads of water. The total would be \$40,495.

With Option B, the NPCA will not pay out the upfront costs, but only pay \$35,475 for having water trucked in.

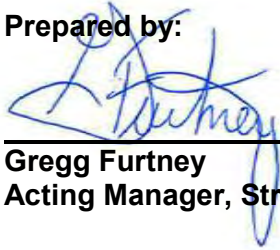
With Option C, the NPCA will not pay out the upfront costs, but only pay \$22,575 for trucking in water itself.

The existing operating budget is \$7500. All options far exceed the current budget, however, current revenue projections will serve to mitigate the financial impact.

RELATED REPORTS AND APPENDICES:

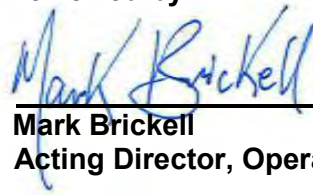
None

Prepared by:



Gregg Furtney
Acting Manager, Strategic Initiatives

Reviewed by:



Mark Brickell
Acting Director, Operations

Submitted by:



Carmen D'Angelo
Chief Administrative Officer/Secretary Treasurer

Report To: Board of Directors

Subject: 2017 Planning and Regulations Fees

Report No: 120-16

Date: November 16, 2016

RECOMMENDATION:

1. THAT Report No. 120-16 be APPROVED; and that the 2017 fee schedule take effect January 1, 2017.
2. THAT the 2017 fee schedule be posted on the NPCA website.
3. THAT a copy of this report be forwarded to the watershed municipalities.

PURPOSE:

The purpose of this report is to recommend a fee schedule for 2017 Planning and Regulations Program.

BACKGROUND:

In 2015, a major review of Planning and Regulation fees took place. At the November 2015 Board meeting a 2016 fee schedule was approved. The Board approved a recommendation to conduct a detailed evaluation of the fees every two (2) years, which is scheduled to take place in 2017. The Board also approved a recommendation to review and adjust the fees annually for cost of living based on the Consumer Price Index for Ontario.

REPORT:

Staff have reviewed the 2016 fee schedule and made two minor adjustments to the description of types of NPCA permits on Schedule B to better reflect the type of applications that are received. The first change is regarding ponds. Currently the fee schedule refers to new pond construction without channel connection. We've had applications from individuals who want to enlarge their existing ponds that are not connected to a channel. The revised wording states: "Ponds: New pond construction **or enlargement of existing pond** without channel connection. The second change deals with watercourse alterations. To better reflect the variety of applications received staff have modified the wording as follows: "Watercourse Alterations: Channels – minor intermittent drainage courses where no fish or ecological restrictions are present". The words "**cleanout of**" have been removed from that category.

In 2016, the budget projected revenues of \$355,000 from Planning and Regulation Fees (see Table 1). As of October 31, 2016, the Revenues for Planning and Regulation fees are at 88% of the budgeted revenues.

Table 1: 2016 Planning and Regulation Fees

2016 fees	Budget	Revenue*
Planning	\$ 215,000	\$ 180,137
Regulation	\$ 140,000	\$ 133,680
Total	\$ 355,000	\$ 313,817

*Revenue to October 31, 2016

Appendix 1 - 2017 Plan Review and Regulation Fees reflects a 1.5% cost of living increase, rounded to the nearest five dollars (\$5).

FINANCIAL IMPLICATIONS:

This report reflects the 2017 budget for revenues for fees collected from the Planning and Regulation program.

RELATED REPORTS AND APPENDICES:

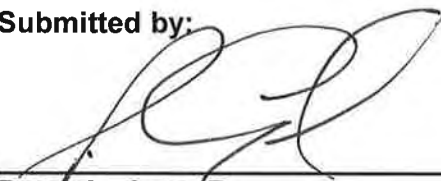
1. Report No. 121-15 (revised), November 18, 2015 (referenced only)
2. Appendix 1 2017 Plan Review and Regulation Fees

Prepared by:



Suzanne McInnes, MCIP, RPP
Manager, Plan Review & Regulation

Submitted by:



Peter Graham, P.Eng.
Acting Chief Administrative Officer
Secretary Treasurer

SCHEDULE “A” – PLAN REVIEW FEES (effective January 1, 2017)

Application Type	Fee	
Official Plan Amendments <ul style="list-style-type: none">Standard²Major³	\$570 \$2770	
Zoning By-law Amendment <ul style="list-style-type: none">Standard²Major³	\$570 \$1875	
Site Plan Control <ul style="list-style-type: none">Single ResidentialMultiple Residential, Commercial, Industrial	\$570 \$800	
Complex ⁴ Application	\$7425	
Consent	\$570	
Minor Variance	\$410	
Plan of Subdivision/Condominium (with no previous site plan circulation) <ul style="list-style-type: none">Charges for review to provision of Conditions of Draft Approval <u>only</u> on a new application; involvement subsequent to draft approval is subject to additional fees.Clearance of Conditions for Subdivision Registration (per phase)Draft Plan Modifications⁵ (alterations to site/plan layout)Draft Plan Extension⁶ (original conditions about to lapse for draft approval)	Less than 100 lots	More than 100 lots
	\$570	\$2770
	\$570	\$2300
	\$570	\$570
	\$570	\$570
Niagara Escarpment Plan <ul style="list-style-type: none">Development PermitNiagara Escarpment Plan Amendment	\$570 \$2770	
Reactivation Fee (all application types) after three (3) years of dormancy. \$205		

Interpretation

¹ Plan Review Fee is for the provision of comments to municipal planning authority or the Niagara Escarpment Commission on privately initiated site specific development applications pursuant to the Ontario Planning Act and Niagara Escarpment Plan Act. Technical Report review fees (Schedule "C") shall apply as applicable. CA Act regulatory approvals (Schedule "B") normally follow planning approvals where required. All fees are exclusive of Technical Review Fees (see Schedule "C"); supplementary Technical Report Review Fees will be added on as per issue basis in addition to any and all fees outlined in Schedule "A" herein. The "notes to Schedule "A" (below) form part of this Schedule.

² **"Standard"** - An application where no technical studies are required.

³ **"Major"** - Applications where one or more technical study is required. See Schedule "C" Technical Review Fees for applicable fees.

⁴ **"Complex"** - Planning Act (e.g. OPA/ZBA) and/or Site Plan for aggregate applications, golf courses, trailer parks, campgrounds, lifestyle communities.

⁵ **"Modification"** means alteration to layout, blocks, roads etc.

⁶ **"Extension"** means that approval is about lapse and the original conditions of approval need to be revised and updated necessitating a full review.

SCHEDULE "A" - NOTES

- A. Reviews are undertaken in accordance with the Conservation authorities mandate and are directly related to circulation requirements associated with the Ontario Planning Act, Niagara Escarpment Planning and Development Act and Provincial (MMAH) "One Window" review. Some review matters relate to Municipal Memorandums of Understanding for the provision of planning advice. Section 21(1)(m) of the Conservation Authorities Act empowers individual Conservation Authorities to charge user fees for such services.
- B. Applicants are encouraged to consult with staff prior to submission of all applications to determine the extent and nature of the information required to accompany the application and to determine the appropriate fee.
- C. Plan review applications that fall into one or more categories will be charge one fee, at the highest rate, when the applications are submitted at the same time
- D. Fees shall be paid at the time of the filing of an application with the municipality. All fees must be received prior to the release of written comments to an approval authority.
- E. Subdivisions that have several phases will be charged a separate clearance fee at the time of clearing of each phase.
- F. Additional fees – NPCA reserves the right to request additional fees should the review require a greater level of effort. Additional fees are required after the second submission for all applicant initiated revisions and for the review of reports/plans not reflecting changes as requested by the NPCA.
- G. The Consent fee may be collected for a Part Lot Control application within a plan of subdivision that was registered prior to May 4, 2006 where a new lot is created within or adjacent to a NPCA Regulated Area.

SCHEDULE “B” - PERMIT FEES (effective January 1, 2017)

**Development, Interference with Wetlands and Alterations to Shorelines and Watercourse Regulation 155/06
(Section 28 of the Conservation Authorities Act)**

Description	Fee
Fill - placement or removal of fill in excess of 25 cubic metres	\$1565
Works on a valley slope and/or erosion prone area	\$830
Public Roads - New/Replacement Bridge or Culvert Crossing - span > 3m	\$1345
Public Roads - New/Replacement Bridge or Culvert Crossing - span < 3m	\$730
Public Roads - Bridge Culvert maintenance incl. repair to soffit, wing walls & other superstructure, repair of inlet/outlet erosion	\$305
Access Crossings - new/replacement primary access (e.g. main driveway)	\$995
Access Crossings - new/replacement secondary bridge (e.g. low flow, foot bridge, golf course crossing)	\$500
Access crossings - maintenance to deck, wing walls or other superstructure	\$350
Dams: New/Replacement and major maintenance	\$3185
Dams: Maintenance	\$1200
Shoreline: New/Replacement Shoreline Protection Works (e.g. walls, stone barriers)	\$1920
Shoreline: Maintenance of wall or barrier	\$350
Ponds: New pond with diversion structure/channel connection	\$900
Ponds: New pond construction or enlargement of existing pond without channel connection	\$350
Utilities: Utility watercourse crossing (open cut)	\$1875
Utilities: Utility in floodplain or other Regulated feature	\$1405
Utilities: Storm drainage outfall construction	\$785
Utilities: Outfall Maintenance	\$305
Buildings: New Construction, reconstruction, redevelopment, additions (greater than or equal to 1000 square feet)	\$1405
Buildings: New Construction, reconstruction, redevelopment, additions (less than 1000 square feet)	\$700
Buildings: Accessory Structures (e.g. in ground pools, decks, docks, gazebos)	\$305
Watercourse Alteration: Channels - Channel works > 500 m (incl. Realignment, invert cleanout, erosion protection)	\$3185
Watercourse Alteration: Channels - Channel works < 500 m	\$1920
Watercourse Alteration: Channels repair of localized erosion failure	\$500
Watercourse Alterations: Channels - minor intermittent drainage courses where no fish or ecological restrictions are present	\$305
Other: Great Lake Dredging	\$1920
Other: Miscellaneous - small watercourse, valleyland, shoreline works not defined above	\$305
Permit Renewal Fee (if application to renew submitted within 6 months of expiry)	\$235

SCHEDULE "B" - NOTES

- A. Pursuant to the provisions of Ontario Regulation 155/06 and the NPCA's regulation policies, permission is required, prior to undertaking development in hazardous areas, in or adjacent to wetlands and before straightening, changing, diverting or interfering in any way with the existing channel of a lake, river, creek stream or watercourse or prior to changing or interfering in any way with a wetland. The Technical Review Fees (Schedule "C") does not apply to NPCA permits.
- B. Fees are approved by the NPCA Board of Directors and apply to application review only; acceptance of an application as complete is not to imply permission may be granted permission will be forthcoming only if submission address statutory requirements and are in conformity with approved CA policies in effect at the time an application is made or where allowances are granted by the NPCA Board of Directors. **All fees are payable at the time the application is submitted failing which the application cannot be deemed complete or processed.**
- C. Permit applications that fall into one or more categories will be charge one fee, at the highest rate, when the applications are submitted at the same time.
- D. **Development:** for definition see Section 28(25) of the Conservation Authorities Act of Ontario (R.S.O. 1990, Chpt. 27)
- E. **Watercourse:** for definition see Section 28(25) of the Conservation Authorities Act of Ontario (R.S.O. 1990, Chpt. 27)

SCHEDULE “C” – TECHNICAL REPORT REVIEW FEES (effective January 1, 2017)

Technical reports are routinely prepared by accredited professionals in the fields of water resources engineering, groundwater science, site servicing, geotechnical engineering, environmental assessments, ecology and planning in support of proving the feasibility of development. Such experts are familiar with professional standards and provincial and local requirements in such matters. The CA review involves a determination or the provision of advice on whether the applicable guidelines have been appropriately addressed.

Description	Fee
Stormwater Management Minor (the area is less than 5 ha)	\$585
Stormwater Management Major (the area is more than 5 ha)	\$1755
Review of Floodplain mapping prepared by applicant up to 500 linear metres	\$1345
Review of Floodplain mapping prepared by the applicant over 500 linear metres	\$2575
Grading and Drainage Plan Review Minor (the area is less than 5 ha)	\$380
Grading and Drainage Plan Review Major (the area is more than 5 ha)	\$1170
Geotechnical Report Review up to 200 linear metres of slope crest	\$505
Geotechnical Report Review over 200 linear metres of slope crest	\$1345
Hydrogeological Report Review Minor (less than 5 lots)	\$1015
Hydrogeological Report Review Major (more than 5 lots)	\$1755
Coastal Engineering Report Review (up to 200 linear m of Great Lakes shoreline)	\$505
Coastal Engineering Report Review (more than 200 linear m of Great Lakes shoreline)	\$1345
EIS Terms of Reference Review (to be deducted from EIS fee when EIS submitted)	\$350
EIS Minor (one feature e.g. watercourse)	\$1015
EIS Major (more than one feature e.g. wetland, watercourse, valley)	\$2205
EIS Third submission (Addendum)(minor changes)	\$585
EIS Third submission (Addendum)(major changes e.g. features not addressed, additional site visit or meetings required)	\$1170

SCHEDULE “C” - NOTES

- A.** Technical review fees of \$72/hour will be charged where more than two (2) reviews are required by the Conservation Authority due to submission of incomplete reports from the applicants. All fees are made payable to the Niagara Peninsula Conservation Authority.
- B.** Technical review fees also apply to the review of preliminary studies submitted prior to a formal planning, NPCA permit or municipal building permit application. If a formal planning or permit application is received by the NPCA within one (1) year of the review of the preliminary study and the proposal is the same as the preliminary one, the technical review fee will be discounted from the NPCA fee.
- C.** Where the NPCA has reviewed as part of a planning act application and the same study is needed to support a NPCA permit application, the permit fee will be one-half (1/2) of the relevant fee.

SCHEDULE “D” – INQUIRIES/MINOR WORKS (effective January 1, 2017)

Description	Fee
Solicitor, Real Estate, Appraiser	\$250
Building Permit Clearance	\$65
Minor Works Letter	\$120

SCHEDULE “D” - NOTES

- A.** Technical review fees (see Schedule C) apply to Building Permit Clearance (e.g. where municipal Zoning By-laws include overlay zones for the identification of natural heritage and/or natural hazard features)
- B.** The Building Permit Clearance fee is not collected for new homes in Registered Plans of Subdivision that have been reviewed by the NPCA.

Report To: Board of Directors

Subject: Cave Springs Management Plan Approval and Actions

Report No: 121-16

Date: November 16, 2016

RECOMMENDATION:

1. THAT Report No. 121-16 be **RECEIVED** for information.
2. THAT the Draft Cave Springs Management Plan be **APPROVED**, and the recommendations therein be **ADOPTED**, upon final approval from the Ministry of Natural Resources and Forestry.
3. THAT the CAO be **AUTHORIZED** to submit the Draft Cave Springs Management Plan to the Niagara Escarpment Commission for review and endorsement, and then to the Ministry of Natural Resources and Forestry for final approval.

PURPOSE:

The Cave Springs Management Plan Steering Committee has completed its work and is now bringing forward its final recommendations to the NPCA Board of Directors.

BACKGROUND:

At its June 2014 Board meeting, the NPCA Board of Directors authorized the initiation of a Management Plan process for its Cave Springs property, in the Town of Lincoln. The Board further directed that a cross-functional team of NPCA staff members would lead the process, in contrast to the traditional approach of hiring an external consultant.

By September 2014, project work, specifically the initiation of a 12-month Natural Heritage Study, was underway. A Technical Steering Committee, comprised primarily of NPCA staff was established and soon thereafter a Water Resource Study was initiated, as was a Cultural Heritage Study (conducted by Archaeological Services Inc.). The three studies referenced above were undertaken to assess the baseline conditions upon which the entire management plan would be based.

By January 2015, a Steering Committee comprised of Board members, CLAC members and members from the public-at-large, was established to guide and support the project.

As the property runs along the Niagara Escarpment and is part of the Niagara Escarpment Parks and Open Space System (NEPOSS), the planning process was guided by the NEPOSS Planning Manual (2012). To be certain, the requirements outlined in the NEPOSS Manual, are specific and substantial, and need to be fully documented. The entire project team embraced this challenging project and worked tirelessly to see it through to completion.

Along the way, there was extensive public engagement and involvement in the process. Stakeholders and members of the public gave generously of their time, knowledge and expertise to support and inform the project.

In October 2016, the Cave Springs Management Plan Steering Committee approved the Draft Management Plan (Executive Summary Attached) and its final recommendations to the NPCA Board of Directors.

Once the NPCA Board of Directors has approved the Draft Management Plan, as submitted by the Cave Springs Management Plan Steering Committee, the Draft Management Plan will be submitted to the Niagara Escarpment Commission for review and endorsement, before being submitted to the Ministry of Natural Resources and Forestry, for final approval.

DISCUSSION:

In 1981 and again in 2006 master plan processes were initiated but not completed due to a combination of internal and external factors. Over the past two and a half years, the project team has studied this property, as never before.

Cave Springs is a truly unique escarpment property, rich in both natural and cultural heritage. The establishment of a management plan for this property ensures that the natural and cultural heritage features and attributes of this property will be protected, enhanced and celebrated for many years to come. It also ensures that the public will have access to this beautiful property.

The management plan supports many of the goals and objectives stated in the NPCA Strategic Plan including commitments to engage the public and improve financial sustainability.

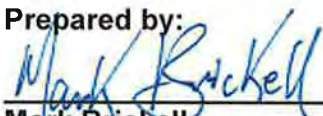
FINANCIAL IMPLICATIONS:

There are no immediate financial implications related to this report, however, a draft budget for the implementation of the plan has been developed and capital improvements to the property are expected to cost nearly \$2.7 million. A detailed breakdown of these costs is included in the Executive Summary, attached to this report.

RELATED REPORTS AND APPENDICES:

1. Cave Springs Management Plan Executive Summary, December 2016

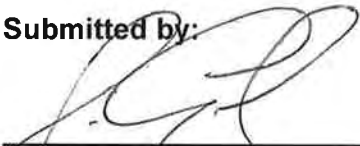
Prepared by:



Mark Brickell

Director, Operations & Strategic Initiatives

Submitted by:



Peter Graham

Acting CAO/Secretary Treasurer

CAVE SPRINGS

MANAGEMENT PLAN 2017-2047

Executive Summary

DECEMBER | 2016



Cave Springs...

A PLACE THAT IS NEVER TWICE THE SAME.



250 Thorold Road West; 3rd Floor
Welland, ON L3C 3W2

Phone: 905-788-3135 | Fax: 905-788-1121
www.npca.ca | info@npca.ca

A MESSAGE FROM...

CARMEN D'ANGELO

Chief Administrative Officer
and Secretary Treasurer, Niagara Peninsula
Conservation Authority

The Cave Springs Management Plan aligns with the legislative mandate of Conservation Authorities, which is to "...further the conservation, restoration, development and management of natural resources...". The development of the Cave Springs Management Plan also achieves the Vision of the Niagara Peninsula Conservation Authority in "Balancing conservation and sustainable development for future generations by engaging landowners, stakeholders and communities through collaboration".

It is this collaborative effort, which included consultation with the Mississaugas of the New Credit First Nations, that makes the Cave Spring Management Plan successful.

After receiving input from public meetings, consensus was reached via the diligent work of the multi-stakeholder Steering Committee.

I am grateful to the community members, Steering Committee, NPCA staff and the Board of Directors for their involvement in reaching consensus for the future of our Cave Springs property. The comprehensive consultations and unified consensus has had a positive impact on the development of the Cave Springs Management Plan. This plan can now proceed to the Ontario Ministry of Natural Resources and Forestry for final approval.

Message from the
Chief Administrative Officer and Secretary Treasurer,
Niagara Peninsula Conservation Authority

Carmen D'Angelo; BSc, MPA

STEW BEATTIE AND BILL HODGSON

Co-Chairs, Cave Springs Management
Plan Steering Committee

For the past two years, it has been our pleasure to serve as Co-Chairs of the Cave Springs Management Plan Steering Committee. In June 2014, Niagara Peninsula Conservation Authority (NPCA) staff members brought forward a recommendation to develop a Management Plan for Cave Springs. Staff also brought forward a recommendation that a cross-functional team, from within NPCA, be established to undertake the project, rather than going the traditional route of hiring an external consultant. Both recommendations were supported by the NPCA Board of Directors and by September 2014, the planning process was underway.

Over the next three months, a Steering Committee, comprised of 5 NPCA Board members, 2 representatives from the NPCA Community Liaison Advisory Committee and 4 individuals from the public-at-large, was established, to guide the project, receive project updates and ultimately recommend a final Management Plan to the NPCA Board of Directors, Niagara Escarpment Commission and Ministry of Natural Resources and Forestry. A Technical Advisory Committee, comprised primarily of NPCA staff, was also established to support the Steering Committee and coordinate project tasks and deliverables.

One of the most rewarding components of this planning process has been the level of public engagement. Individual and organizational stakeholders have given generously of their time to provide input and feedback that has informed the project and shaped final recommendations. For all parties involved, this project has been one of passion, commitment and dedication.

Today, we are pleased to submit our final report and recommendations. We are confident that the recommendations within the report will serve to protect and enhance the rich natural and cultural heritage values attributed to this property, while at the same time allowing visitors to experience the magnificence, that is, Cave Springs.

In closing, we offer our heartfelt thanks and appreciation to all who have contributed to the building of this plan. We look forward to working with you towards its full implementation.

Sincerely,

Stew Beattie and Bill Hodgson
Co-Chairs, Cave Springs Management
Plan Steering Committee

BRUCE TIMMS

Chairman of the Board of Directors,
Niagara Peninsula Conservation Authority

Over the last two years an NPCA special team has been diligently working on preparing a Management Plan for the Cave Springs Conservation Area. I am pleased with the progress of this project and its conclusions, which support the reclassification recommendation from Nature Reserve to Natural Environment. The Management Plan fits well within our Strategic Plan objectives and will ensure that the space is protected and preserved, while enabling visitors to enjoy the space in a manner that supports our commitment to outdoor passive recreational experiences, educational programming, creative engagement and opportunities for scientific research.

Our team has been working with a Steering Committee, NPCA stakeholders, and the general public to ensure that all parties with a vested interest in the Site are in support of the proposed management of the Site. It is my sincere belief and hope that the conclusions of the studies as well as the proposed Management Plan are in the best interest of Cave Springs, and that the Ministry of Natural Resources and Forestry will grant us this reclassification.

Thank you to all of those involved who, with passion and purpose, brought this research and plan into its final form for presentation.

Bruce Timms
Chairman



For more information visit

npc.ca





Cave Springs...

a cultural and ecological
gem to be experienced,
enjoyed, and celebrated.



As you step onto the property,
the stresses and worries of
day-to-day life dissipate.

The senses come alive with wonder, excitement, and anticipation. The property calls to us and draws us in. Close your eyes and you can imagine the Neutral Indians, who set-up camp hereabouts, climbing to the top of the escarpment, taking in the spectacular Lake Ontario, and the forest that was once Niagara. Close your eyes a second time, and you can picture the early European settlers discovering the rich soils below the escarpment, perfect for farming and growing food. Close your eyes yet again, and this time listen. Listen to the chirping birds and rustling trees. Listen to the water trickling through the streams, or to the children laughing at the nearby camp. Listen to the distant but distinct beating of tribal drums. Close your eyes one last time, and you may even hear Margaret Reed passing along stories and legends about the land and the people, embellished to be certain, but always aimed at bringing the property alive and allowing others to feel its heart beat. This is Cave Springs, a cultural and ecological gem to be experienced, enjoyed, and celebrated. It is a place that is never twice the same. Day after day, season after season, Cave Springs reveals itself uniquely and especially for you. We invite you on to this hallowed ground for your own unique encounter with nature, tranquility, and great beauty. May your experience be magical and inspiring and completely respectful of the encounters yet to be enjoyed by others.

Welcome to Cave Springs.



project
overview



The Cave Springs Conservation Area Management Plan is the principal guiding policy document for the planning, development and management of the Cave Springs Conservation Area.

Cave Springs Conservation Area is owned by the Niagara Peninsula Conservation Authority (NPCA) and consists of a patchwork of parcels obtained since 1981 in an effort to preserve both ecological and cultural history. The Site is nestled along the Niagara Escarpment, near the town of Beamsville, in the municipality of Lincoln, Ontario. This property can be accessed at 3949 Cave Springs Road or via the Bruce Trail Corridor. Cave Springs Conservation Area is over 44 hectares in size with 1.4 hectares of the property being leased to an adjoining farm for the growing of grapes. A further 1.9 hectares of land was farmed by the previous owner of the property, but has been allowed to naturally regenerate from the time the NPCA acquired the lands.

Cave Springs is part of the Niagara Escarpment Parks and Open Space System (NEPOSS). Upon approval of the Management Plan by the Niagara Peninsula Conservation Authority, submission will be made to the Niagara Escarpment Commission for review and endorsement and then to the Ministry of

Natural Resources and Forestry (MNRF) for review and approval.

The purpose of the Management Plan is to establish direction for the long-term protection, development and management of the conservation area. This Management Plan is based on Site investigations, various studies, public consultation, and meetings undertaken by Niagara Peninsula Conservation Authority staff and hired consultants, between June 2014 and August 2016. A number of background studies and inventories were reviewed or conducted as part of this study. Throughout the public consultation process a Public Information Workshop, one-on-one interviews, and three Open House Forums were conducted.

The Niagara Peninsula Conservation Authority, through the Cave Springs Conservation Area, will practice conservation leadership by promoting the principles of the Niagara Escarpment's United Nations Educational, Scientific and Cultural

Organization (UNESCO) Biosphere Reserve Designation. The key objectives are to protect the Niagara Escarpment’s sensitive habitats and to respect the Site’s unique cultural and natural heritage landscapes.

The Niagara Peninsula Conservation Authority, as stewards of natural and cultural history at Cave Springs, strives to be a regional leader in providing outdoor passive recreational experiences, educational programing, creative engagement and opportunities for scientific research.

The Cave Springs Conservation Area Management Plan sets out proposed park zoning and classification as well as development recommendations to guide management over the next 30 years. The Management Plan includes: updating, deconstructing and rebuilding infrastructure within existing footprints on the Site, installing a welcoming entrance and green parking area, re-establishing an existing laneway, installing a constructed wetland and septic system, ensuring that the Escarpment trail is in compliance with Accessibility for Ontarians with Disabilities Act (AODA), constructing two small viewing platforms, establishing a new entrance and parking area along Campden Road, and acquiring adjacent land to preserve.

NATURAL HERITAGE STUDY OVERVIEW

The Natural Heritage Study was completed in 2015 in order to obtain an updated comprehensive resource baseline of the plants, animals and ecosystems within the Cave Springs Conservation Area. The study was comprised of the following: observing significant wildlife habitat areas such as breeding, nursery/ rearing, forage, hibernation and migration areas; assessing Species at Risk and habitat needs for protection; recording significant plant communities in need of protection or maintenance; and noting other natural heritage resource information for land use decisions. Different ecological components of the Site that were assessed included: the Site’s Ecological Land Classification (ELC), old growth and snag trees, spring ephemerals, reptiles (snakes and turtles), amphibians (frogs, toads, and salamanders), large mammals, birds (breeding birds, owls, crepuscular), small mammals, and bats.

The results of this Natural Heritage Study highlighted key areas of critical habitat that should be considered for protection. Key observations included: eight plant communities, over 190 plant species, 46 bird species, one snake species, two turtle species, four frog/

toad species, five salamander species, seven large mammal species, seven small mammal species, and over five bat species inhabiting the Site. Of specific note were areas of high-density snag/cavity trees, shrub and dense undergrowth areas, open forage and insect areas, talus slopes and rock fissures areas, and mast tree areas. Crucial Species at Risk and their corresponding components of food, reproduction, and potential overwintering areas were identified at the Site, all of which contribute to the unique needs of the area species or ecosystem. These significant habitat components were mapped and used in the development of the recommended Site uses and policies.

CULTURAL HERITAGE STUDY OVERVIEW

Archaeological Services Inc. (ASI) was retained by the Niagara Peninsula Conservation Authority to conduct a Cultural Heritage Inventory and Planning Study in support of the Caves Springs Conservation Area Management Plan. The study was prepared according to the requirements of the Niagara Escarpment Parks and Open Space System Planning Manual.

The primary objectives of this study were to prepare and report upon background research that identified the known and potential cultural heritage resources of the property, including archaeological sites, built heritage features and cultural landscapes, and the identification of sound planning practices for the management and protection of these resources.

One archaeological site has been registered within the Conservation Area. The entire conservation area is generally considered to have potential for the presence of hitherto undocumented archaeological resources.

A minimum of eight cultural heritage landscapes, comprised of combinations of built heritage features and other forms of landmarks or human alterations to the natural landscape which serve to shape the conservation area, as it exists, and is understood today, have also been identified.

In light of these results it is proposed that the Niagara Peninsula Conservation Authority adopt the working principle that “it is an objective to avoid wherever possible the disruption or disturbance of known cultural heritage sites, features, landscapes or areas of archaeological potential within the Cave Springs Conservation Area,” within an overall management process appropriate to a “Nature Reserve,” or a “Natural Environment” classification for the area as

defined by the Niagara Escarpment Parks and Open Space System Planning Manual.

Where preservation of a significant archaeological site is not feasible, there must be salvage excavation and documentation conducted according to the requirements of the Ministry of Tourism, Culture, and Sport’s Standards and Guidelines for Consultant Archaeologists and, in appropriate circumstances, engagement with relevant First Nations as required by the Ministry’s Draft Technical Bulletin on Engaging Aboriginal Communities in Archaeology.

WATER RESOURCE ASSESSMENT OVERVIEW

The Cave Springs Conservation Area is aptly named, as a series of springs discharge groundwater along the face of the Niagara Escarpment, some from cave-like openings. These springs occur at the contact between the Gasport and Decew Formation dolostones. The springs are sustained by direct recharge to the aquifer through rain and snow entering a series of grikes above the escarpment. These grikes are long, vertical fractures in the karst pavement, parallel to the escarpment face. The springs are potable and of sufficient quantity for future needs at the conservation area as well as the Cave Springs Camp, subject to seasonal precipitation.

The Water Resource Assessment Study completed for the Management Plan provides the background and baseline information to:

- (i) “[P]rotect the quality and quantity of the water resources ensuring that the hydrologic function, not only features are protected” (NEC, 2013) such as the escarpment springs;
- (ii) “[M]aintain and enhance the quality and character of natural streams and water supplies” (NEC, 2013) such as Margaret’s Creek;
- (iii) “[M]aintain the most natural Escarpment features, stream valleys, wetlands, and related significant natural areas” (NEC, 2013) such as the mineral thicket swamp; and
- (iv) “[P]rotect, improve or restore the quality and quantity of water” (MMAH, 2014) such as a future sewage system to service the conservation area.





*a change
in
classification*

“The Niagara Peninsula Conservation Authority proposes that Cave Springs Conservation Area be reclassified from Nature Reserve to Natural Environment.”

A CHANGE IN CLASSIFICATION

The Niagara Escarpment Parks and Open Space Planning Manual requires lead agencies to confirm or change the park or open space classification each time a Management Plan is prepared or revised, based on inventories undertaken during the research phase of the planning process.

From the beginning of this project, it was made clear to all stakeholders that the recommended classification would be either the existing Nature Reserve classification, or if supported through the research phase, a Natural Environment classification. The Niagara Escarpment Parks and Open Space Planning Manual states, “Nature Reserves represent the most significant and distinctive natural areas and landforms found along the Niagara Escarpment. These areas serve to protect selected life science and earth science ANSIs.” The Manual further states, “Natural Environment lands are characterized by the variety and combination of outstanding natural heritage features, cultural heritage features and outstanding landscape.”

Management practices and uses within a Nature Reserve are focused exclusively on the protection of natural heritage features, while Natural Environmental lands provide opportunities for the protection of both important natural heritage features and cultural heritage features, and allow for a greater range of compatible activities.

The Niagara Peninsula Conservation Authority proposes that Cave Springs Conservation Area be reclassified from Nature Reserve to Natural Environment. In order to assess the viability of a reclassification, the following research was completed: Water Resource Assessment Study, a Natural Heritage Assessment study, an Asset Condition Report, literature review and public consultation conducted by Niagara Peninsula Conservation Authority staff,



and a Cultural Heritage Study conducted by ASI Archaeological & Cultural Heritage Service.

This recommended change in classification has been discussed and supported by the public-at-large, primary stakeholders, the Cave Springs Management Plan Steering Committee and the Niagara Peninsula Conservation Authority Board of Directors.

DISCUSSION

The current Nature Reserve classification gives strong recognition to the natural heritage features and values that exist on this property, and indeed may have been an appropriate classification in the absence of a Management Plan. However, to separate this land from its rich cultural heritage would be a mistake.

Students from the Willowbank School of Restoration Arts who contributed to the writing of this Management Plan concluded, “Today Cave Springs is comprised of sensitive natural environments and cultural landscapes that extend beyond its physical borders. Daily visitors, political bodies, and international agencies all have a vested interest in this Site. Despite sharp contrasts between obvious layers of natural and cultural heritage there are subtle integrations of the two. This results in a sensitive diversity of the natural and cultural elements that informs the recommendations of this Plan.”

One of the benefits of this planning process is the requirement to document all natural heritage features and values, and to establish zones that guide management directions. Thus, Nature Reserve zones may be established, monitored, protected and enhanced over the long term. This is significant. Throughout the planning process, it was always made clear that any Site modifications would be subject to the findings of the natural heritage study. This impacted and caused two development concepts to be rejected due to ecological concerns - one being the establishment of a boardwalk along the base of the escarpment rock face, the other being the establishment of a parking area within the existing naturalized thicket. In other words, the establishment of this Management Plan ensures that the sensitive Nature Reserve zones will be properly monitored and protected over time, even if the overall classification is changed.

Turning now to the significance of the cultural heritage features and values that come to life on this property, their importance cannot be overstated and are well documented in the ASI Archaeological & Cultural Heritage Services, Cultural Heritage



Inventory and Planning Study (August 5, 2015). Here, there exists a well-documented history of peoples that have traveled through this area and left their mark, including the virtually unknown “Neutral Nation” who set up camp annually during the hunting season, the arrival of European immigrants and United Empire Loyalists, Margaret Reed, the self-described “Witch of Cave Springs”, and so many more. The factual history is greatly enhanced by great legends and colorful folklore. The Site has inspired the writing of books and other forms of artistic expression including, “Cave Springs in Lore and Legend” by William F. Rannie, “Tempest in a Teapot: the Cave Springs Soap Opera”, and “The Cave Springs Mystique” by Margaret Reed, and “The Spirit of Cave Springs” by Susan Vida Schutten.

The stories of Cave Springs are extraordinary, featuring hidden treasures and artifacts, German spies, claims of an underground lake and magical waters that allow you to live for hundreds of years.

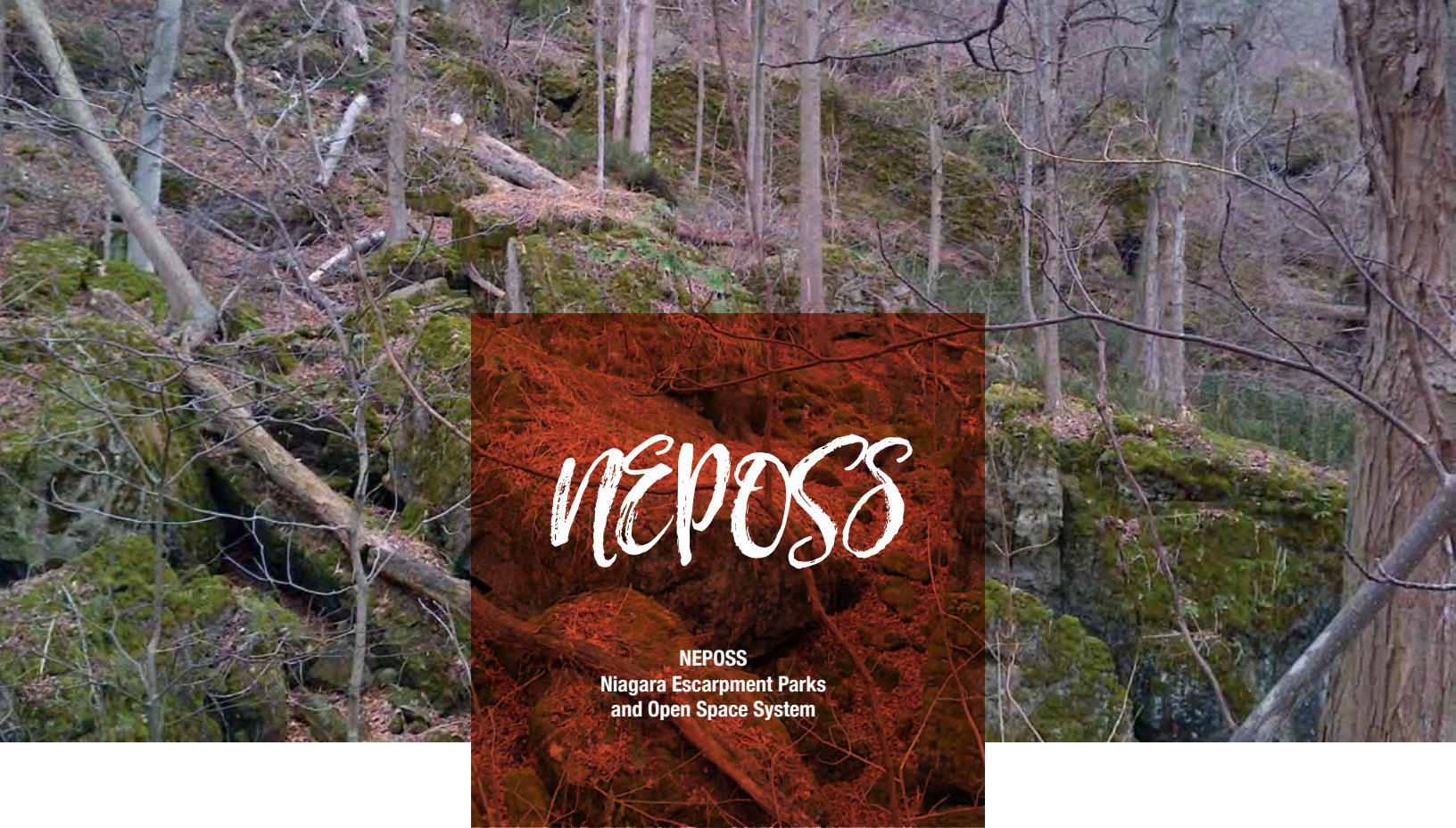
Many of these stories go back several decades or indeed hundreds of years and yet new stories are being created on a daily basis. As the project team took this project out to the public, it was fascinating to experience the need of people to share their personal experiences with this property and the surrounding area – great childhood memories of the adjacent United Church Camp and the exploration and adventures along the Cave Springs trails, personal encounters with Margaret Reed, the early establishment of the Bruce Trail, great rock-climbing adventures, moments of child-like excitement and laughter, and moments of perfect solitude.

In short, this is a special place that draws in thousands of visitors every year and still thrives as an ecological gem. The Management Plan that has been developed for this property will ensure that both its natural and cultural heritage features and

values will be protected, enhanced and celebrated over the long term. The modest development proposals put forward in this plan are consistent with these ideals. Each project will enhance the visitor experience – improving access, accessibility and safety while better protecting the natural heritage features of the property.

IT IS THE VISION OF THIS MANAGEMENT PLAN THAT CAVE SPRINGS BE A PLACE:
Of ecological appreciation and sensitivity
Where cultural heritage comes alive
For accessing the Bruce Trail and UNESCO Biosphere Reserve
Of learning and research
Of celebration, joy and laughter
Of adventures and story-telling
Of beauty and art in all of its forms
For hiking and outdoor enthusiasts
For gathering in small to mid-size groups
Of discovery and exploration
Of peacefulness and serenity
Where people learn how to be on a sensitive ecological property, respectfully

The Niagara Escarpment has been designated as a UNESCO Biosphere Reserve for being an area in the world that is deemed to demonstrate a balanced relationship between humans and the biosphere. Along the escarpment, there are few places like Cave Springs that demonstrate this balance so perfectly. The proposed change in classification, combined with the Management Plan itself will ensure that this balance is sustained and enhanced.



OVERVIEW AND PURPOSE

OVERVIEW OF THE NIAGARA ESCARPMENT

The Niagara Escarpment is a 725-kilometre ridge of fossil-rich sedimentary rock that reaches 510 meters at its highest point and bisects southern Ontario from the islands off Tobermory on the Bruce Peninsula to Queenston on the Niagara River. The Escarpment has important geological and ecological characteristics and is a designated United Nations Educational, Scientific and Cultural Organization (UNESCO) World Biosphere Reserve. In 1973, the Niagara Escarpment Planning and Development Act (NEPDA) established a planning process to ensure that the area would be protected. From this emerged the Niagara Escarpment Plan (1985; revised in 2005), which was Canada’s first large-scale environmental land use plan and set the stage for subsequent environmental land use plans, including the Greenbelt Plan (2005) and the Oak Ridges Moraine Conservation Plan (2002).

Part 3 of the Niagara Escarpment Plan (2005) (NEP) sets out policies for the Niagara Escarpment Parks and Open Space System (NEPOSS). These policies form a framework for establishing and coordinating a system of publicly owned lands on the Escarpment. The NEPOSS is owned and managed through the continued cooperation of seven conservation authorities, the Ontario Ministry of Natural Resources and Forestry (MNR), the Ontario

Heritage Trust, Parks Canada, the St. Lawrence Seaway Management Corporation, the Niagara Parks Commission, the Royal Botanical Gardens, municipalities and other bodies (e.g., the Bruce Trail Conservancy (BTC) local service clubs, approved conservation organizations). The NEPOSS is comprised of more than 140 parks and open space areas, most of which are or will be connected by the Bruce Trail. This system balances protection, conservation and sustainable development to ensure that the Escarpment will remain largely as a natural environment for future generations.

PURPOSE OF THE MANAGEMENT PLAN

The NEP requires all park and open space agencies (hereafter referred to as “agencies”) to prepare a master/management plan (hereafter “management plan”) for each park and open space in the NEPOSS. The NEP manual provides guidance to agencies on the design, development, implementation and maintenance of those management plans, and outlines the processes that agencies should follow to produce and maintain a management plan. The manual should be read in conjunction with the NEPDA and Part 3 of the NEP.

Each management plan will establish direction for long-term protection, development and management of the park or open space that meet the requirements of the Environmental Assessment Act and are consistent with the NEP. Management plans should reflect the predominant characteristics of the

property while protecting natural heritage features and cultural heritage features, creating outdoor educational and recreational opportunities, and providing public access to the Niagara Escarpment. This manual applies to parks and open spaces that are identified in Appendix 1 of the NEP and to any new parks or open spaces, and additions to existing ones, that are not cited in that Appendix.

ALL MANAGEMENT PLANS FOR NEPOSS PROPERTIES ARE EXPECTED TO DEMONSTRATE CONSIDERATION OF THE NEPOSS OBJECTIVES STATED BELOW:
1. To protect unique ecological and historical areas
2. To provide adequate opportunities for outdoor education and recreation
3. To provide for adequate public access to the Niagara Escarpment
4. To complete a public system of major parks and open space through additional land acquisition and park and open space planning
5. To secure a route for the Bruce Trail
6. To maintain and enhance the natural environment of the Niagara Escarpment
7. To support tourism by providing opportunities on public land for discovery and enjoyment by Ontario’s residents and visitors
8. To provide a common understanding and appreciation of the Niagara Escarpment
9. To show leadership in supporting and promoting the principles of the Niagara Escarpment’s UNESCO World Biosphere Reserve Designation through sustainable park planning, ecological management, community involvement, environmental monitoring, research and education. Niagara Escarpment Plan (2005), section 3.1.





public engagement

PUBLIC ENGAGEMENT

Public consultation began with the onset of the Management Plan process and has continued throughout the development of the Management Plan. The NPCA gathered information and input from members of the general public and relevant stakeholder groups on the natural heritage features, cultural features, and issues of interest. This input will help to shape the future of the Site. Public consultation has been used to explain the process of the Management Plan development, confirm natural heritage and cultural features of the Site, and to determine where there may be concerns with proposed management direction.

One of the first steps of public consultation was the development of a list of project stakeholders. This list grew as the public consultation process continued throughout the project, and included neighbours, parties who use the Conservation Area, local school boards, Brock University, Niagara College, the Niagara Bruce Trail Club, local politicians, municipalities, and decision makers, First Nations and Métis, acquaintances of Margaret Reed, local tourism associations and businesses, the Niagara Escarpment Biosphere Fund, local nature clubs, the Ministry of Natural Resources and Forestry, the Niagara Escarpment Commission and many others. The Niagara Escarpment Commission (NEC) and Ministry of Natural Resources and Forestry (MNRF) were included via conference call throughout the planning process and attended some of the Technical Advisory Committee meetings.

Public consultation and communication took place using a variety of public consultation techniques including mail/email notices, newspaper ads, website postings, social media, open houses, workshops, requests for comment/input online, one-on-one discussions, and Site visits. By using a variety of methods, the NPCA ensured that the public consultation process was transparent, accessible, and accountable. The NPCA also invited the public to sign-up for the Cave Springs Management Plan Newsletter to receive notifications of meetings, project updates and other important information with regards to the Management Plan. The NPCA consulted with the public and stakeholder groups at key points throughout the Management Plan process. The NPCA gathered public input and explored different viewpoints in order to make balanced planning decisions that support the long-term planning direction for the Cave Springs Conservation Area.





Brock Earth Science student training in hydrogeology at Cave Springs

In addition to meetings, public open houses, and workshops, the NPCA also had members of the public on the Cave Springs Management Plan Steering Committee. The composition of the Steering Committee allowed for two members of the NPCA's Community Liaison Advisory Committee (CLAC), a multi-stakeholder public engagement committee, to sit on the Cave Springs Committee and report back to the CLAC throughout the project. Steering Committee meetings were held monthly throughout the Management Plan process. At various times throughout the development of the Management Plan, Project Lead Mark Brickell presented the project status and next steps to the CLAC group and asked for feedback/comments.

OPEN HOUSE #1

Open House #1 was held April 29th 2015 at the Ball's Falls Centre for Conservation in order to inform the public of the commencement of the Management Plan process and of the NEPOSS guidelines for the process. A general questionnaire was distributed that allowed participants to comment during, and following, the meeting to share: their knowledge of the past, their vision for the Cave Springs Conservation Area, and to comment on any concerns they had with the Management Plan process. Those that were unable to attend the meeting were provided with the opportunity to review the material online at the project webpage and were invited to submit their comments through the webpage.

Niagara Escarpment Biosphere Reserve Fund led a presentation at which they explained the UNESCO designation and positioned it both in a local and global context. The NPCA Ecologist presented the ecological study of the Cave Springs Conservation Area, accomplishments to date, and next steps. The NPCA Project Lead gave a presentation about Cave Springs Conservation Area and explained NEPOSS (Niagara Escarpment Parks and Open Space System)

and how the NPCA would be moving forward with the Management Plan process. The meeting was attended by more than 100 people including NPCA Board Members, neighbouring property owners, First Nations representatives, Ontario Access Coalition, local politicians, members of the tourism sector and local wineries, acquaintances of Margaret Reed, Niagara Land Trust, Cave Springs Camp, Niagara Bruce Trail Club, Niagara Escarpment Biosphere Fund, Nature Clubs, and members of the Niagara Landowners Association.

PUBLIC WORKSHOPS

The second public consultation and engagement opportunity was a workshop held on June 16th 2015 at 1PM and 7PM at the Ball's Falls Centre for Conservation. The afternoon workshop was intended for professionals and the evening session was open to the general public. Attendees were put into small groups of three to six people and were asked to complete a survey and provide comments. The groups were also asked to brainstorm and discuss opportunities for future uses of the Site with consideration being given to the sensitive ecology of the Site. Mark Brickell, the Project Lead, gave a presentation to update the groups on the status of the Management Plan and to remind attendees about the NEPOSS guidelines. At the end of the workshop there was an open discussion about the opportunities for future use presented by each group. The surveys handed out at the workshops were put online shortly after to allow the public opportunity to comment and fill out the survey online if they were unable to attend the workshop.

A total of 70 people participated in these workshops. There was professional representation from the Niagara Escarpment Biosphere Fund, District School Board of Niagara consultant on First Nations and Métis Education, Town of Lincoln's Jordan Historical Museum, Brock University, Niagara Falls Nature Club, Bert Miller Nature Club, Friends of Short Hills, Peninsula Field Naturalists, the Mayor of the Town of Lincoln, Niagara Region planner, Mississaugas of the New Credit First Nation, Twenty Valley Tourism and Ontario Access Coalition. The evening session was attended by neighbouring property owners, Niagara Landowners Association, acquaintances of Margaret Reed, local wineries, nature clubs, Ontario Access Coalition, and NPCA Board members.

OPEN HOUSE #2

The second Open House, hosted on November 24th 2015 at Ball's Falls Conservation Area, was held in order to introduce the public to the conceptual design phase and to provide a project update. The NPCA Project Lead introduced watercolour drawings

of eight proposed concepts to the public in the form of a slideshow presentation. Following this, guests were invited to walk around the room to review the presentation boards of the drawings and discuss their ideas and comments with NPCA staff. Staff recorded comments and suggestions on easels set up around the room. Many guests stayed for quite a while after the meeting to continue discussions with



staff, and to comment on the conceptual drawings. After the meeting, the drawings were posted on the Cave Springs webpage at npca.ca where attendees and those that were not able to attend could provide feedback online. Approximately 40 people attended the second open house, including neighbouring property owners, winery staff, Niagara Bruce Trail Club, nature club members, tourism associations, Willowbank School of Restoration Arts, Ontario Access Coalition, the Mayor of the Town of Lincoln and members of the NPCA Board of Directors.

INDIVIDUAL STAKEHOLDER MEETINGS

Individual stakeholder meetings were held between the summer and fall of 2015 with Mark Brickell, Project Lead, and Kerry Royer, Community Outreach Coordinator. The Cave Springs Steering Committee approved a list of questions that were to be used during these meetings to ensure consistency. Through each stakeholder meeting, opportunities for future partnerships were discovered. These meetings helped to bring focus to the finer details regarding different aspects of the Management Plan and how the NPCA could best work with these groups to achieve common goals. Stakeholders were asked about specific elements of the Management Plan, including the deconstruction of the Margaret Reed house, and how it would be used in the future. These meetings were held specifically with representatives from the following groups, organizations, etc.: Brock University, Niagara College, Niagara Catholic District

School Board, District School Board of Niagara, Niagara Bruce Trail Club, Niagara Escarpment Biosphere Reserve Fund, Giant's Rib Escarpment Education Network, Cave Spring Cellars, Cave Springs Church Camp, Willowbank School of Restoration Arts, Neighbouring property owners, acquaintances of Margaret Reed, Niagara Nature Tours, Twenty Valley Tourism, Town of Lincoln – Mayor Sandra Easton, Town of Lincoln – Manager of Roads and Transportation, Peninsula Field Naturalists, Niagara Falls Nature Club, Bert Miller Nature Club, Ontario Access Coalition.

OPEN HOUSE #3

A third Open House was held on November 8th 2016 at Ball's Falls Centre for Conservation in order to present the Management Plan to the public.

ABORIGINAL COMMUNITY ENGAGEMENT/
DUTY TO CONSULT

From the beginning of the Management Plan process, the NPCA included First Nation and Métis as part of the key stakeholder contact list. The NPCA staff contacted ASI, the consultant conducting the Archaeological Study, in early February 2015 and was given a list of important contacts for the project area. These contacts were added to the project stakeholder list. Letters were mailed to all Aboriginal contacts with the initiation of the project, including: Métis Nation of Ontario, Mississaugas of the New Credit First Nation, Six Nations Lands and Resources Department, Six Nations of the Grand River Territory, Ministry of Aboriginal Affairs, Ministry of the Environment and Climate Change.

These letters indicated the commencement of the Management Plan process and included an invitation to the April 29th 2015 Open House at Ball's Falls.

Prior to the April 29th 2015 Open House, follow-up phone calls were placed with each of the above groups. Only one phone call was returned, the Mississaugas of the New Credit First Nation. NPCA staff met with two individuals from the Mississaugas of the New Credit First Nation, Department of Consultation and Accommodation, at the Cave Springs Conservation Area to discuss the project on April 20th 2015, a week before the first Open House. NPCA staff gave a tour of the property and identified next steps in the development of the Management Plan. The two women representing the Mississaugas of the New Credit First Nation noted that they would attend the April 29th 2015 Open House and would make every effort to attend future public sessions. Both women also attended the June 16th 2015 workshop in the afternoon session.

Another contact, Haudenosaunee Confederacy Chiefs Council, was added to the stakeholder list after a May 15th 2015 letter from the Ministry of Aboriginal Affairs identified this group as possibly having rights or interests in the project area.

The District School Board of Niagara - First Nation, Métis and Inuit Education Consultant K-12 attended the June 16 2015 workshop and indicated that there was opportunity for partnerships with the school board at the Cave Springs property.

The NPCA's Community Outreach Coordinator had a phone conversation with Métis Nation of Ontario in January 2015. The NPCA was asked to forward additional project details. The NPCA followed-up this conversation with an email and the Terms of Reference for the Cave Springs Management Plan was attached. An invitation to meet to discuss the project was extended at this point. A follow-up email was sent in June 2015 by the NPCA, prior to the workshop, to see if a Métis representative could attend the June 16 workshop. No clear response was received and no representative attended the workshop.

All Indigenous contacts were invited, by email, to all of the public consultation opportunities throughout the development of the Management Plan.

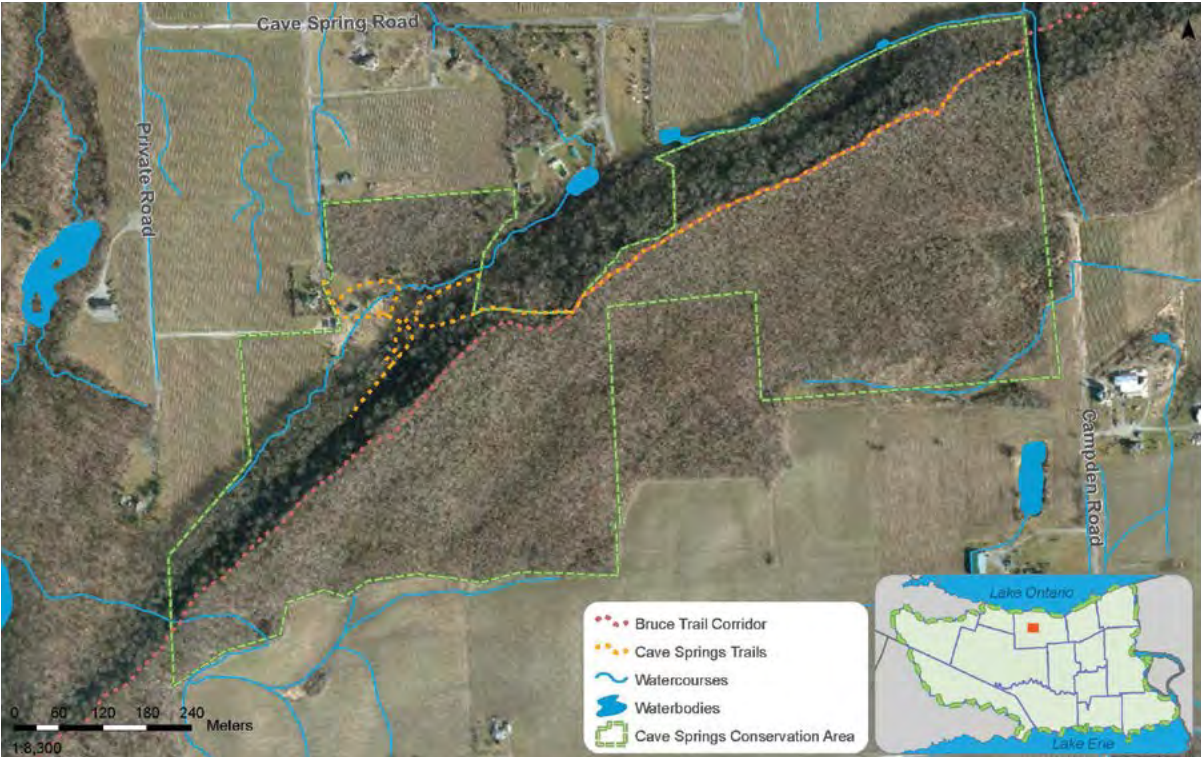
OTHER OPPORTUNITIES FOR PUBLIC ENGAGEMENT/COMMENT

Along with the three public engagement sessions held in 2015, Project Lead Mark Brickell invited anyone to submit up to 2000 words to the NPCA. This opportunity was highlighted at each meeting. The NPCA did receive a small number of submissions. In addition, the public could sign-up for the Cave Springs Management Plan Newsletter to receive notifications of meetings, project updates and other important information regarding to the Management Plan.

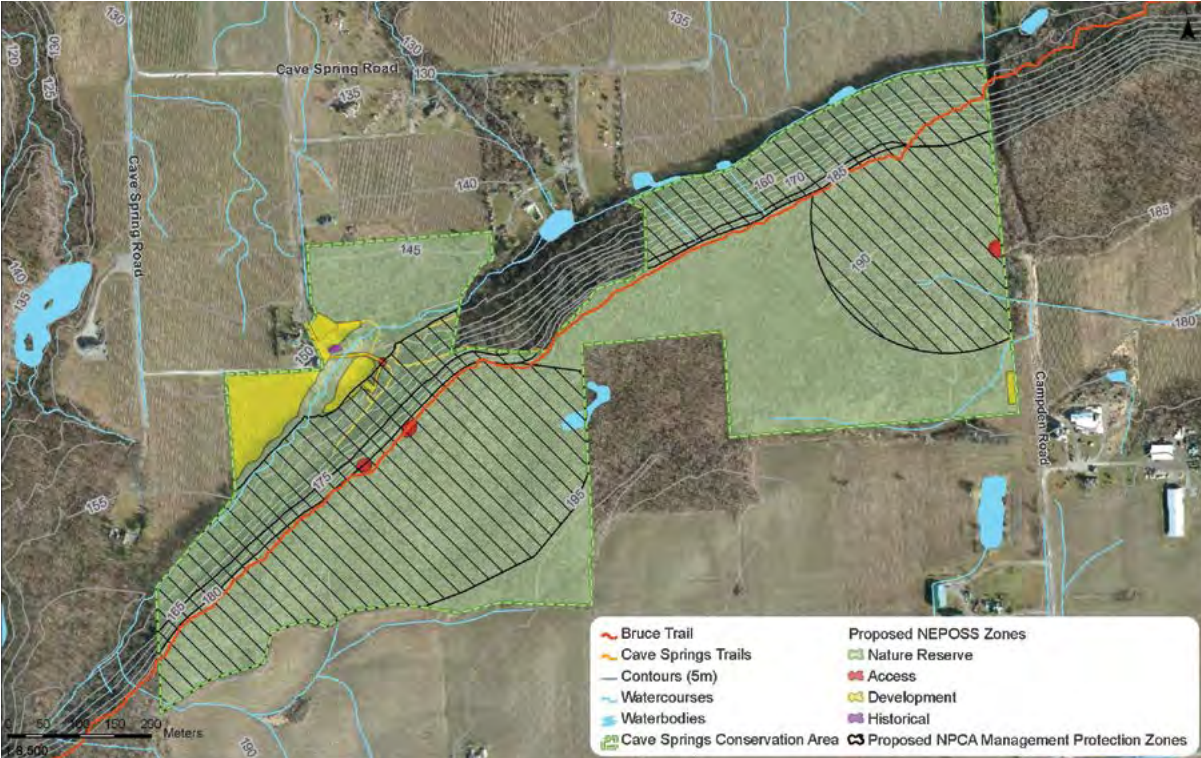
- 1 Cave Springs Masterplan | House Concept
October 2016 Prepared by Sun Harbour Studio
- 2 Cave Springs Masterplan | Trail Concept
October 2016 Prepared by Sun Harbour Studio
- 3 Cave Springs Masterplan | Entrance Concept
October 2016 Prepared by Sun Harbour Studio
- 4 Cave Springs Masterplan | Campden Entry Concept
October 2016 Prepared by Sun Harbour Studio
- 5 Cave Springs | Entrance Impression
2015 Prepared by K. Smith
- 6 Cave Springs Masterplan | Entrance Concept
October 2016 Prepared by Sun Harbour Studio



cave springs
concepts



Park Boundary



Park Zoning Map



RECOMMENDATION #1

That the Cave Springs property officially be designated as a Conservation Area.

PARKS AND OPEN SPACE CLASSIFICATIONS
NATURE RESERVE

Nature Reserves represent the most significant and distinctive natural areas and landforms found along the Niagara Escarpment. These areas serve to protect selected life science and earth science ANSI's. Access to Nature Reserve class parks will not be widely promoted due to the sensitivity of the features in them.

NATURAL ENVIRONMENT

Natural Environment lands are characterized by the variety and combination of outstanding natural heritage features, cultural heritage features and outstanding landscape. Activities may range from back-country-hiking to...day use activities in the more developed or accessible areas.

RECOMMENDATION #2

That for NEPOSS purposes, Cave Springs be classified as a **Natural Environment**.



RECOMMENDATION #3

That the Entrance Concept shown in the above drawing be approved.

Key Features:

- Cave Springs Conservation Area Sign
- Rock Wall
- Native Planting
- Gates and fencing

Cost: \$45,000



RECOMMENDATION #4

That a permeable “green” parking lot for 16-20 cars be established on the property, as represented on the below map.

Key Features:

- Permeable surface, allowing grass to grow
- Handicapped spaces
- 16-20 cars
- Native Plantings

Cost: \$105,000



RECOMMENDATION #5

That the existing barn and surrounding area be restored to be used for special events and meetings.

Key Features:

- Reinforce the foundation
- Meet Special Event Standards and Regulations
- AODA Compliant
- New restrooms
- Improved north-south views
- Fencing

Cost: \$500,000

RECOMMENDATION #6

That the gravel lane-way from the main entrance to the former Reed house be re-established

Key Features:

- Allows for emergency and service vehicle access

Cost: \$100,000

RECOMMENDATION #7

- That the former Reed house be deconstructed/ demolished

Cost: \$20,000



RECOMMENDATION #8

That a new building of similar size be built on the site of the former Reed house and that a design competition be held to determine the look of the new structure.

Key Features:

- Gathering space for 30-40 people
- Office space on upper floor
- Wrap around viewing platform with interpretive signage and benches
- Restrooms

Cost: \$800,000

RECOMMENDATION #9

That a Constructed Wetland and Septic System be established on the Cave Springs property to serve both the house and barn structures.

Cost: \$150,000

RECOMMENDATION #10

That the Escarpment Trail, at Cave Springs, be made AODA compliant.

Key Features:

- Stairs and/or alternative trail improvements
- AODA compliant, as per local AODA Committee
- 2-3 platform/rest areas with benches, interpretive signage, garbage bins
- Improved safety
- Ecological protection

Cost: \$400,000

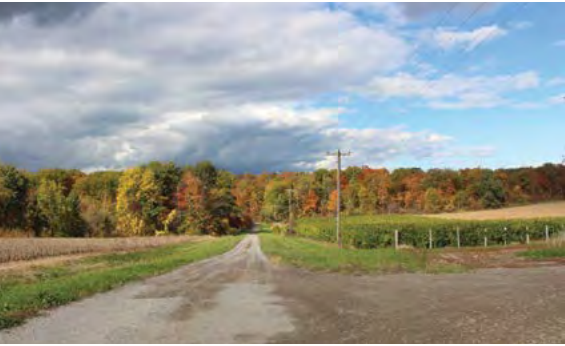
RECOMMENDATION #11

That 2 small viewing platforms be built on top of the escarpment, along the Bruce Trail.

Key Features:

- Safe viewing of spectacular vistas
- Interpretative Signage

Cost: \$120,000



RECOMMENDATION #12

That a new entrance and parking area be established along Campden Road.

Key Features:

- Room for 5-6 cars
- Rock Wall
- Native Plantings
- Signage
- Access to Bruce Trail
- Reduction of illegal dumping at this site

Cost: \$40,000

RECOMMENDATION #13

That NPCA acquire the 15-20 acres of adjacent land identified through the management plan process, should they become available at fair market value.

Key Features:

- Ecological Enhancement

Cost: Unknown

CAVE SPRINGS DRAFT DEVELOPMENT BUDGET

PROJECT DESCRIPTION	BUDGET
Demolition/Deconstruction of Existing House (Confirm stability of culvert)	\$20,000
Construction of Main Parking Area/Staging Area	\$105,000
Installation of Services (water, waste-water, electrical)	\$50,000
Constructed Wetland	\$150,000
Construction of New Building on Former House Site	\$800,000
Barn Improvements (Foundation, AODA, Fire Code, Structure)	\$450,000
Barn Yard Outdoor Event Space	\$50,000
Re-establish laneway	\$100,000
Main Entrance Enhancements	\$45,000
Campden Road Entrance Enhancements	\$40,000
Signs and Benches	\$30,000
Escarpment Stairs and Rest Areas	\$400,000
2 Viewing Platforms along Bruce Trail	\$120,000
Burying of Hydro Lines	\$50,000
Archaeological Consulting Services	\$30,000
Contingency	\$244,000
TOTAL	\$2,684,000

POTENTIAL CAVE SPRINGS SOURCES OF REVENUE

SOURCE	AMOUNT
NPCA Funding Sources	\$1,401,000
Friends of Cave Springs (Community Fundraising)	\$500,000
Senior Government Programs	\$433,000
In-kind Contributions	\$200,000
Sale of Land	\$150,000
TOTAL	\$2,684,000

OPERATIONS AND MAINTENANCE EXPECTATIONS	
	Cave Springs Conservation Area will continue to be managed and operated by the Niagara Peninsula Conservation Authority.
	All facilities and open spaces will require a level of maintenance consistent with the NPCA's operational standards that ensures that the park is usable, clean, and safe. As existing facilities are updated or new facilities are added, there is an expectation that the levels of maintenance and the operational budget will be correspondingly increased.
	General management and maintenance of the park will typically include mowing, waste management, tree pruning and care and routine trail maintenance.
	Broken or vandalized features and graffiti will be repaired as soon as possible. Increased public use, community involvement, education, monitoring and enforcement will aid in discouraging vandalism in the park.
	Hazard trees, which are located near the parking lot, trailheads, or the perimeter trail will need to be pruned or felled.

MONITORING	
	Monitoring and evaluation of the implementation of the Management Plan will be completed in order to ascertain that the baseline determined by the studies which were completed are either maintained or improved upon.
	To be compliant with the requirements of the Niagara Escarpment Plan and NEPOSS Planning Manual, the primary focus of the monitoring efforts in Cave Springs Conservation Area should be on protection of the natural heritage and cultural heritage features within the park.
	Monitoring programs will be completed by, or overseen by, the NPCA and monitoring activities will address the key concerns outlined by the Natural Heritage Study, the Cultural Heritage Study, the Water Resource Study and include any direction from applicable policies and plans. All mitigation measures will be followed accordingly.



FURTHER STUDIES AND APPROVALS

Following approval of the Cave Springs Management Plan, an Implementation Plan will be developed.

It is recognized that the NPCA is responsible for obtaining any internal and external approvals before proceeding with any planned improvements to Cave Springs Conservation Area.

Further studies and approvals may require involvement from, but not limited to, the following:

The Niagara Escarpment Plan (NEP) is the principal provincial planning document to which the Cave Springs Conservation Area Management Plan must conform. The Cave Springs Property is designated as Escarpment Natural Area and Escarpment Protection Area within the NEP. For each of its land use designations, the Niagara Escarpment Plan outlines the objectives, permitted uses and policies. If an agency is proposing a development within the Niagara Escarpment Development Control Area, a Development Permit will be required unless specifically exempted under Ontario Regulation 828/90. With a few exceptions, the Niagara Escarpment Development Control area is the area covered by the Niagara Escarpment Plan. Obtaining any needed approvals and permits under the Niagara Escarpment Planning and Development Act (NEPDA), e.g. a Development Permit may be required for grading and site alteration activities. The Conservation Authorities Act provides the means

to implement programs to manage natural resources, and to own and manage lands for parks and recreation purposes. The act also governs activities undertaken by a conservation authority as well as the general public within regulated areas. Obtaining any needed approvals and permits related hydrological and ecological features from the Niagara Peninsula Conservation Authority.

The Town of Lincoln's Official Plan identifies the Cave Springs property as being a part of Niagara Escarpment Parks System. Policies within the Official Plan support the development of the Niagara Escarpment Park System in this area. Obtaining any necessary site plan approvals, building permits, and approvals from utility companies, as required for conservation area development.

Fulfilling any requirements for archaeological assessments under the Ontario Heritage Act as the purpose of this act is to give municipalities and the provincial government powers to preserve the heritage of Ontario and to protect heritage properties and archaeological sites.

The Endangered Species Act identifies species that are at risk in Ontario, provides the tools and mechanisms to protect those species and their habitats, and promotes stewardship activities to assist in their recovery. Species at risk and their habitats have been identified within the Cave Springs property.

The Policy Framework of the Niagara Region’s Official Plan is committed to maintaining a Healthy Landscape throughout Niagara, while giving particular attention to natural features of special significance within the broader landscape (such as the Provincial Life ANSI impacting parts of the Cave Springs property which is associated with this section of the Escarpment). In addition, the Niagara Region recognizes that public and private stewardship is a key component of the protection of natural heritage features that will help achieve long-term ecosystem health and a Healthy Landscape. The Greenbelt Plan identifies areas where urban development should not occur to ensure permanent protection to the Province’s agricultural land and ecological features and their functions. The Greenbelt Plan covers a large area of land that includes the Niagara Escarpment, and the Oak Ridges Moraine. The Cave Springs property falls within the Niagara Escarpment Plan (NEP) area of the Greenbelt. Within the NEP area of the Greenbelt, the policies of the NEP supersede the policies of the Greenbelt with the exception of the Greenbelt’s policies for Parkland, Open Space and Trails, which are relevant to the Cave Springs property.

The Provincial Policy Statement (PPS) provides policy direction on matters of provincial interest related to land use planning and development. It also emphasizes the importance of parks, trails, recreation, and open spaces for strong and healthy communities. It also recognizes that negative impacts on protected areas should be minimized. While all other legislations and plans shall be consistent with the PPS, the NEP takes precedence over the PPS in the event of a conflict.



OTHER MONITORING AND REVIEW TASKS WILL INCLUDE THE DEVELOPMENT OF THE FOLLOWING:

A fundraising plan with the Niagara Peninsula Conservation Foundation

An interpretive program

The identification of Site-specific natural and cultural heritage features to include on interpretive signage

The commencement of monitoring visitor impacts

Creating an Invasive Species Management Plan

The monitoring of the natural heritage areas of off-trail use to determine whether additional trails or other management measures are needed

The monitoring and review of incidents of encroachment to determine if the approach to enforcement is achieving compliance

The monitoring of the natural systems to determine if there is overall improvement or losses

Ensure that natural, cultural and water resource considerations are followed

CAVE SPRINGS STEERING COMMITTEE FINAL RECOMMENDATIONS

- 1 That the Cave Springs Management Plan Charter be received.
- 2 That the Cave Springs Management Plan Background report be received.
- 3 That the Cave Springs Management Plan be approved and the recommendations therein be adopted.
- 4 That an Open House be convened to share the Final Cave Springs Management Plan with key stakeholders and the public-at-large.
- 5 That the Cave Springs Management Plan Charter, Background Report, and Final Management Plan be forwarded to the Niagara Peninsula Conservation Authority Board of Directors for approval and submission to the Niagara Escarpment Commission.
- 6 That a Cave Springs Management Plan Advisory Monitoring Committee be established.
- 7 That a “Friends of Cave Springs” group be established.



NEXT STEPS

The Management Plan will be submitted to Niagara Peninsula Conservation Authority Board of Directors for approval and endorsement in December 2016.

The NPCA-approved Management Plan will then be submitted, in January 2017, to the Niagara Escarpment Commission for its review and endorsement. The Management Plan will then be submitted to the Ministry of Natural Resources and Forestry for final approval.

The NPCA will develop an Implementation Plan.

A Cave Springs Management Plan Advisory Monitoring Committee will be established (meetings to be held quarterly).

A Friends of Cave Springs group will be established.

ACKNOWLEDGMENTS

PROJECT TECHNICAL COMMITTEE

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PROJECT STEERING COMMITTEE

Beattie, Stewart J.
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Willems, Adrin

WATER RESOURCE ASSISTANCE

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Howard, A.J
Kristjanson, Jamie P.Eng
White, Trevor

WILLOWBANK SCHOOL OF RESTORATION ARTS

Fleisher, Caleb
Landry, Erin
Southam, Justine

SPECIAL THANKS TO THE ADJACENT LANDOWNERS WHO PROVIDED ACCESS AND HISTORICAL BACKGROUND IN SUPPORT OF THIS PROJECT.



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Report To: Board of Directors

Subject: 2017 Meeting Schedule for NPCA Board Meetings

Report No: 122-16

Date: November 16, 2016

RECOMMENDATION:

THAT the NPCA Board of Directors **APPROVE** the NPCA Board of Directors 2017 meeting schedule.

PURPOSE:

To schedule the 2017 meeting schedule for planning and advertising purposes.

DISCUSSION:

The proposed 2017 meeting schedule was prepared taking into account council and committee meetings of both local and regional councils in Niagara, and, the council meetings of Haldimand County.

DATE	LOCATION	TIME
January 18	Ball's Falls	9:30 AM
February 15	Ball's Falls	9:30 AM
March 22	Ball's Falls (option March 29 th 9:30 am)	6:30 PM
April 19	Ball's Falls (option April 26 9:30 am)	6:30 PM
May 17	Ball's Falls	9:30 AM
June 21	Ball's Falls (option June 28 9:30 am)	6:30 PM
July 19	Ball's Falls	9:30 AM
August	NO MEETING	
September 20	Ball's Falls	9:30 AM
October 18	Ball's Falls (option October 25 9:30 am)	6:30 PM
November 15	Ball's Falls (option November 22 and cancel Dec)	9:30 AM
December 20	TENTATIVE	

FINANCIAL IMPLICATIONS:

None.

APPENDICES:

1. Niagara Region's 2017 Legislative Schedule of Regular Meetings

Prepared and Submitted by:


Peter Graham
 Acting, Chief Administrative Officer, Secretary Treasurer

2017 LEGISLATIVE SCHEDULE OF REGULAR MEETINGS

REGIONAL COUNCIL, BUDGET REVIEW COMMITTEE OF THE WHOLE,
COUNCIL BUSINESS PLANNING COMMITTEE OF THE WHOLE AND STANDING COMMITTEES

JANUARY						
S	M	T	W	T	F	S
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29	30	31				

FEBRUARY						
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26	27	28				

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APRIL						
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30						

MAY						
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28	29	30	31			

JUNE						
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JULY						
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30	31					








AUGUST						
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27	28	29	30	31		

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OCTOBER						
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NOVEMBER						
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DECEMBER						
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24	25	26	27	28	29	30
31						

 Council	 Council Business Planning Committee of the Whole - <i>At the call of the Chair</i>	 March Break
 Committee Week	 Budget Review Committee of the Whole	
 Workshop	 Stat Holiday	

** BRCOTW prior to Council on December 7, 2017 at 4 p.m. (if necessary)

AMO - August 13-16, Ottawa, ON

FCM Annual Conference - June 1-4, Ottawa, ON

ROMA Conference - Jan 29-31, Toronto, ON
OGRA Conference Feb 26-Mar 1, Toronto,

Meeting Times

Council
Committee of the Whole (includes Budget Review and Council Business Planning)
Public Works Committee
Public Health and Social Services Committee
Corporate Services Committee
Planning & Development Committee

Thursdays at 6:30pm
Thursdays at 6:30pm
Tuesdays at 9:30am
Tuesdays at 1:00pm
Wednesdays at 9:30am
Wednesdays at 1:00pm

Approved by Regional Council October 27, 2016