



**NIAGARA PENINSULA CONSERVATION AUTHORITY
FULL AUTHORITY MEETING MINUTES**

Wednesday June 15, 2016; 9:30 am
Ball's Falls Centre for Conservation-Glen Elgin Room
3292 Sixth Avenue Jordan, ON

MEMBERS PRESENT:

B. Timms (Chair)
S. Beattie
P. Dart
D. DiFruscio
J. Diodati
B. Hodgson
A. Jeffs
D. Joyner
J. Kaspersetz
B. Kenny
T. Quirk
R. Shirton

MEMBER REGRETS:

S. Annunziata (Vice-Chair)
B. Baty
F. Campion

STAFF PRESENT:

C. D'Angelo, CAO/Secretary-Treasurer
D. Barrick, Director, Corporate Services
P. Graham, Director Watershed Management
M. Brickell, Acting Director, Operations
B. Wright, Manager, Watershed Projects
D. MacKenzie, Supervisor, Construction Permits & Compliance
K. Royer, Community Outreach Coordinator
D. Deluce, Supervisor, Development Reviews
S. Miller, Supervisor, Water Resources
J. Diamond, Water Quality Specialist
G. Verkade, Manager, Information Mgmt & Technology Systems
N. Devos, Superintendent, Ball's Falls C. A.
M. Reles, Communications Specialist
L. Conte, Administrative Assistant, Office of CAO & Board

VISITORS/GUESTS:

Glen Robins

Full Authority meeting called to order at 9:41 am and Chairman Timms reminded the Board members, staff, guests and members of the public that the Full Authority board meeting is live streamed on our website, and, will be archived along with the official written minutes of the meeting. As such, comments and opinions expressed may be published and any comments expressed by individual Board Members, guests and the general public are their own, and do not, represent the opinions or comments of the Full Authority and/or the NPCA Board of Directors.

NOTE: to view the recorded meeting, please refer to the link on our website.

DECLARATION OF CONFLICT OF INTEREST

None

ADOPTION OF AGENDA:

Resolution No. FA-95-16

Moved by: T. Quirk

Seconded by: B. Kenny

THAT the agenda for the Full Authority Meeting be **ADOPTED** as presented.

CARRIED

PRESENTATIONS/DELEGATIONS:

- A. Royal Bank of Canada, cheque presentation by Kenneth Palmateer, Branch Manager at Fonthill and Fenwick Branches, donated \$5,000 through the RBC Bluewater Program in support of the Niagara Children's Water Festival. RBC staff have volunteered at the Water Festival and have been great partners and supporters of the work at NPCA.

Mr. Palmateer's comments, **attached**.

- B. Ontario Power Generation (OPG) cheque presentation by Jen Grossi, Corporate Relations and Communications; presented NPCA with a cheque in the amount of \$5,500. \$4,000 was donated for the Niagara Children's Water Festival and \$1,500 for Envirothon. OPG has been a great supporter for a number of years and we value their partnership in the educational programs that take place at the NPCA.

Ms. Grossi expressed appreciation for the support OPG provides to both Envirothon and Niagara Children's Water Festival, a great opportunity to support the children in providing education and help the environment.

- C. Presentation of the "Comfort Maple" by Marv Ens and creator of the Comfort Maple pens. The Niagara Peninsula Conservation Foundation distributed a media release about the comfort maple pens, which appeared in dozens of newspapers and online news sources across the Country including the Cape Breton Post, National Post, Winnipeg Free Press and Penticton Herald. The pens in stock, sold out quickly.

Mr. Ens created pens from the Comfort Maple with the wood that is pruned in the maintenance of the 500 year old tree and along with NPCA staff decided to use this opportunity as a fundraiser. Mr. Ens created a gavel made from the comfort maple and presented it to NPCA Chair, Bruce Timms.

Presentations of cheques and gavel were received by the Chair and the meeting reconvened following a 5 minute interval to take photos.

BUSINESS:

1. A. Approval of the Minutes - Full Authority Board Meeting May 18, 2016

B. Committee Meeting Minutes (Draft):

➤ *Cave Springs Committee Meeting – April 24, 2016*

Resolution No. FA-96-16

Moved by: D. DiFruscio

Seconded by: P. Dart

THAT the minutes of the **Full Authority Meeting** held May 18, 2016 be **APPROVED** as presented; and,

THAT the DRAFT minutes for **Cave Springs Committee** held April 24, 2016 be **RECEIVED** for information.

CARRIED

2. **Business Arising from the Minutes**

None.

3. **Correspondence**

1. NPCA letter to Lord Mayor NOTL (Jun 3)
2. Niagara Corridor RAMSAR Site Steering Committee (Jun 2)
3. City of St. Catharines – Controlling Invasive Phragmites (Jun 7)
4. CA Act – Southwestern engagement session Agenda
5. Conserving Our Future – Proposed Priorities for Renewal
6. Office of Regional Chair – letter to NPCA board (June 9)

Resolution No. FA-97-16

Moved by: D. Joyner

Seconded by: T. Quirk

THAT all items of correspondence be **RECEIVED** for information.

CARRIED

4. **Chair's Remarks**

- Chair Timms reported that the Regional staff recommended it not ask NPCA for an Audit for internal control. We did take the opportunity to provide a history of the actions of this board and this administration to address the issues raised by Councillors with regard to our internal controls and concerns with financial reporting of irregularities of the past including what was termed the inaccurate apportionment of the Niagara Region's share of the levy. We explained how this board and administration was addressing these issues.
- Timms attended several public consultations in the past month including the Floodplain mapping public meetings. Presentations were well received.
- The Chair and member Beattie attended the event "A night of wetlands and Jazz Bands" held by the Niagara Land Trust. NPCA supported this event to build and steward community forest wetlands and agricultural lands.
- Chair attended FCM in Winnipeg and one of the main topics discussed was Climate Change and the role of good floodplain mapping, including the need for larger storm water facilities, resilience in design principles in planning and public works.

- Chair attended the CA Act Review Session in London.
- Mr. Timms participated in a telephone conference discussion of the CA Act review by the AMO Conservation Act Task Force and discussed a draft report that will go to the AMO board. The focus was on the MOU's between the Municipalities and the Conservation Authorities.
- B. Timms thanked member DiFruscio for his initiative in the pollinator garden planted at Ball's Falls. The DiFruscio family, Member Beattie and Chair Timms helped Staff at Ball's Falls to plant milkweed.

5. **CAO Comments**

D'Angelo advised board that after having attended the CA Act Review session in London, he learned that the NPCA has implemented best management practices that meets the issue of open and transparent and accountable administration. C. D'Angelo chose the top ten best management practices to share with the board which NPCA is doing and that some CA's are striving to achieve;

1. Community Liaison Advisory Committee
2. Customer Service Charter
3. Dispute Resolution System
4. Budget, Financial Statements and Monthly expenses posted on the website & to the board for review,
5. Quarterly communications reports distributed to all local municipalities,
6. Live streaming of Board Meetings,
7. Orientation for Board Members at the start of the term
8. Stream line permit processing with a 30 day benchmark
9. Open door policy of the CAO and Chair for all community members who wish to meet with us in partnership with non-government organizations,
10. Memorandum of Understanding with the three funding Municipalities; Niagara Region, Haldimand County and City of Hamilton

D'Angelo commented; *"This well reflects that we are ahead of the mark and when we look at stage 2 of the consultation process, we're looking at best management practices. Our best management practices are amongst all priorities currently being communicated by the Province."*

C.A. Act Review: the NPCA Chair continues his work on the AMO Task Force, D'Angelo sits on the CAO working group organized by Conservation Ontario providing feedback. For the board's involvement, you will be receiving a staff report related to stage 2 of the Provincial Consultation Process and that will be based on feedback obtained from the CLAC and local area planners. CAO and Chair will be providing comments to the submissions made through Conservation Ontario and the Province.

The Consolidated Review: the Greenbelt Plan, the Niagara Escarpment Plan, the Growth Plan, including the Oak Ridges Moraine; D'Angelo attended the open house session in St. Catharines yesterday, staff is attending a technical session today hosted by MNRF. The technical session delves deeper into the proposed changes that are currently underway. NPCA staff and local area planners developed a list of priority questions for the Provincial staff at the technical session. The Board's involvement; based on the technical review sessions, a report will be presented to the board for review and approval which will be based on feedback received from the CLAC and the local area planners group. In addition, the CAO and Chair will include comments being submitted by Conservation Ontario.

Job Evaluation Process: As directed by the Board, HR has retained the services of a specialized HR group to conduct a job evaluation for all non-unionized staff. This is anticipated to be completed by the Fall with a staff report being presented to the Board for consideration.

NPCA Strategic Plan: 2014-2017 is the first strategic plan ever developed in the history of this Organization. A staff report will go to the board providing an update on all the deliverables completed to date and this will set the planning stage for the next strategic plan.

National Disaster Mitigation Program: We are in full public consultation with the mapping of the Welland River from the Binbrook Dam to the Niagara River. We have contacted the town of Grimsby and Town of Lincoln and the Region of Niagara at staff level, to look at conducting mapping of tributaries in those areas. The last time this was done was 1989. Application for funding has been submitted and if approved, we will come back to the board for approval should the board wish to engage in another mapping exercise in those areas.

Events Scheduled:

1. Currently in the planning stages of the 2016 Thanksgiving Festival
2. Preparing for the 2016 Second Annual Hon. John Turner Environmental Leadership Award
3. New partnership with Twenty Valley & Tourism Association in May 2017 featuring local Wineries & Eateries at Ball's Falls
4. Niagara Escarpment Commission is holding their meeting in the Niagara Region sometime in September and staff plan to bring reports to the board for approval so they can present the Cave Springs Master Plan and a revised Ball's Falls Master Plan to NEC (Niagara Escarpment Commission).

Board Comments:

- In response to member's questions about how NPCA plans to deliver information to the public, NPCA will put together a strategy to better communicate the services we are delivering.
- Member Jeffs inquired about how the Insurance Bureau will collect local data. Bruce commented that municipalities will combine their information; which is insurance claims received on flooding; and this will provide municipalities information that will help plan for building better resilience. The Municipal Risk Assessment Tool (**attached**) will be provided to board members and to members of the Watershed Floodplain Committee. Conservation Ontario currently has an insurance working group.
- Member Hodgson suggested Conservation Ontario embark on an educational piece to visually indicate how people are drowning and the damage done through storms, not just having data; and recommended Chair, Timms communicate this to Conservation Ontario.
- The Chair is scheduling to meet with Conservation Clubs and Environmental Groups to discuss their concerns about maintaining balance between conservation and stakeholders.

Reports for Information:

6. Project Status Reports:

6.1 Watershed Status Report No. 61-16

6.2 Operations Status Report No. 62-16

Member Beattie requested an update on the health of Lake Niapenco and the fish population. Direction to staff to report on the health of Lake Niapenco. Staff, Josh Diamond reported on the oxygen levels in the winter and recommended staff continue ongoing monitoring in Glanbrook Conservation Club and ourselves and keep an eye on dissolved oxygen concentration.

6.3 Corporate Services Status Report No. 63-16

7. Finance – Monthly Update – Report No. 64-16

8. 2017 Budget Timetable - Report No. 65-16

9. Forestry Update – Report No. 66-16

10. Water Quality Annual Report 2016 - Report No. 67-16

Member Beattie noted that our Water Quality is not that good, but noted action 1 “*implement best practices*” and asked what staff is doing to improve our water quality and what best practices are being implemented. It was requested by Member Beattie that staff provide a monthly or quarterly report. CAO, D’Angelo agreed to provide an update on the priority of best management practices in this regard. Although the issues identified were mostly agricultural, staff Josh Diamond recommends expanding our program to better address the non-point source pollution in terms of best management practices working with landowners in the watershed communities. Staff Direction to report on the prioritization of best Management practices.

11. Niagara Shores – NOTL Sewage Lagoon Decommissioning - Report No. 68-16

Member Kenny believes NPCA’s input in the decommissioning and naturalization of Niagara Shores should be continual and NPCA have a greater involvement. Staff, David Deluce explained that NPCA will be involved to the extent that we are able through the Environmental Assessment process, as NPCA does not lead this project, but Niagara Region does. We will provide input as documents come in for review. NPCA will also be involved should any permits be required for works to be done. Currently, the project is in the scoping stages of the Environmental Assessment.

Resolution No. FA-98-16

Moved by: P. Darte

Seconded by: D. Joyner

THAT Status Reports 61, 62, 63, 64, 65, 66, 67 and 68 be **RECEIVED** for information.

CARRIED

Reports for Consideration:

12. Proposed Amendment Section 17- Regulation #2 - Report No. 69-16

Resolution No. FA-99-16

Moved by: P. Darte

Seconded by: B. Hodgson

THAT Report No. 69-16 be **RECEIVED** for information; and,

THAT the NPCA Board **AMEND** Section 17 within the Board of Directors Policy Handbook – Regulation #2, Meeting Procedures as outlined in this report.

CARRIED

13. Development and Related Recommendations – Cave Springs - Report No. 70-16

Staff Presentation **attached**.

- It was requested that for the purpose of clarity, “Accessibility for Ontarians with Disabilities Act” be used rather than the abbreviated form AODA.
- It was noted by member Joyner that a local AODA committee be utilized for this project. There is one currently that represents Lincoln, West Lincoln and Grimsby and another committee that represents the entire Niagara Region; JAAC, Joint Access Action Committee.
- Member DiFruscio recalls a resolution by the Board a number of years ago regarding a natural springs water source on our property that had been buried so as to provide water to the camp in an adjoining property. Member DiFruscio suggested that water source be uncovered so we can have our own source on the property. Staff to search past records. CAO D’Angelo referred this matter to staff Regulations team.
- Member DiFruscio asked about the letter he requested be sent to Biosphere and further asked staff investigate through National Geographic; whether there exists a lake in the cave. D’Angelo commented that Cave Springs is currently under UNESCO (United Nations Educational, Scientific and Cultural Organization) and is protected under such designation. Staff will follow up with staff regarding member DiFruscio’s request to engage National Geographic. Mark Brickell commented that through the Management Plan there will be many initiatives and recommendations aimed at promoting Cave Springs as a UNESCO biosphere designation and further to the National Geographic suggestion, it is part of the plan that we continue to monitor such areas where we can enter into the property. We have not yet identified where there might be an underground lake, but through the plan, this will be monitored and if identified, staff will explore further.

Resolution No. FA-100-16

Moved by: S. Beattie

Seconded by: B. Hodgson

THAT Report No. 70-16 be **RECEIVED**; and,

THAT the recommendations of the Cave Springs Management Plan Steering Committee identified in this report be **APPROVED** (with the exclusion of recommendation #14 which will be considered separately in-camera) for inclusion in the Draft Management Plan.

CARRIED

Page | 7

14. OTHER BUSINESS

1. Member Beattie suggested there be an identifying plate on the gavel made from the Comfort Maple. Staff will follow up.
2. Member DiFruscio suggested having a stone/plaque memorial in recognition of the war of 1812 to the Niagara Shores presented by the NPCA and dedicated to all Canadian Veterans if the Mayor of NOTL would entertain this and put forth a motion. Member Mayor Dart seconded the motion, however will check with Parks Canada who owns the land. CAO D'Angelo respectfully asked the board to treat this as a "notice of motion", as staff's intention is to contact the Welland Regiment that's looking at implementing the Museum there and they may already have plans to place plaques due to the significance of the area. Staff will look into this prior to engaging.

Notice of Motion that NPCA present a memorial stone on behalf of NPCA in recognition of the war of 1812 and all the Canadian Veterans and soldiers who came through this property.

Member Beattie further requested staff widen out the search to include the Federal and Provincial governments who may possibly recognize this location and its significance.

Staff will report back to board on this matter.

There being no further business; the board resolved the following;

Resolution No. FA-101-16

Moved by: R. Shirton

Seconded by: S. Beattie

THAT this meeting move to closed session to receive a verbal update on violations; discuss recommendation #14 for the Cave Springs Development; receive an update on the Colbeck / Coyle Creek issue in Welland; and further, to receive a dismissal order by the Mining and Lands Commissioner.

CARRIED

CLOSED SESSION

1. **Violations Status update**
2. **Cave Springs (Report 70-16) – Recommendation #14**
3. **Colbeck Drive / Coyle Creek; Welland - Report No. CR-71-16**
4. **Mining and Lands Commissioner's Dismissal Order dated May 31, 2016**

Resolution No. FA-102-16

Moved by: S. Beattie

Seconded by: D. Joyner

THAT the meeting **RISE** from closed session.

CARRIED

PUBLIC SESSION

Note: Member Joyner declared a conflict of interest in one of the Violations cases and was excused from the meeting during such discussions.

The following resolution(s) resulted from the discussions held in closed session:

Resolution No. FA-103-16

Moved by: R. Shirton

Seconded by: B. Kenny

THAT staff follow direction of the board regarding Recommendation number 14 proposed by the Cave Springs Steering Committee; and further,

THAT direction be followed to the individual report items on enforcement regarding the dismissal order by the Mining and Lands Commission and the verbal updates on violations.

CARRIED

ADJOURNMENT

There being no further business, Chair Timms declared the Full Authority meeting adjourned at 1:28 pm.



Lisa Conte,
Administrative Assistant, Office of CAO
and Board of Directors



D. Bruce Timms
NPCA, Chair

**Remarks for 2016 RBC Blue Water Donation to Niagara Peninsula Conservation Authority
Presentation to NPCA Board
June 15 2016 9:30 AM**

Good Morning

NPCA staff, board members, and citizens of Niagara and the Global community taking responsibility for our future and the environment.

My name is Ken Palmateer, and I am here on behalf of RBC Royal Bank in Niagara, and I am the Branch Manager in the branches in the Pelham community.

I am here today to celebrate!!

To celebrate the Niagara Children's Water Festival

And

To celebrate in particular, a terrific and important partnership between RBC Royal Bank and the NPCA, with a special presentation, and our donation.

But first, I want to celebrate this incredible, as well as incredibly important and effective event. Thankyou to each and every one of the NPCA staff, community volunteers, children, parents, teachers, and RBC staff . That's because, whether we realize it or not, we are on a great journey here together. I truly believe, that when we work together, business, government, teachers, families and children, and great organizations like the Niagara Peninsula Conservation Authority, that we can make a difference in our communities and the world, and make them stronger and frankly make our lives more meaningful. Thankyou to each and every one of you!!

I want to highlight how special this event and the people involved are. With it, we are all investing in our children, in our future and in water and the environment. What better use of our time and resources can there be. That is what makes this event such a great one, and one in line with 2 of RBC's top charitable priorities – children and the environment. For those that have not been able to attend, I can tell you that all you have to do is look at the children at this event while they are learning incredible lessons to take back to their families and communities, and you will know why this is so effective. Or maybe it's the look in their eyes, when I tell them that they are drinking water that the dinosaurs may have drunk that I am seeing. A little uncomfortable but also a look of understanding their responsibility, since there is only so much water on earth, and it's the same amount as the earth had millions of years ago It's also the look of satisfaction that you see in the volunteers and presenters at the end of the day – a sence of making an impact and maybe a sence of being a little tired!!!

Today. RBC's commitment continues as we celebrate the Niagara Peninsula Conservation Authority as one of our prestigious 2016 RBC Blue Water Project Leadership/Community Action Grant Recipients.

For those of you not familiar with our environmental initiative – in late 2007, RBC unveiled the RBC Blue Water Project. This is a 10 year, \$50 million dollar commitment to ensuring people from around the world – including Canada- will have clean, fresh water today and tomorrow.

As one of Canada's largest companies and corporate donors, RBC has been focusing it's giving efforts to ensure we are making sustainable, meaningful impacts in the community and areas we support.

Now you might wonder what banking has to do with water?

At RBC, we believe that everything has to do with water, because water is fundamental to the sustainability of all life on the planet.

And the lack of access to fresh clean water is considered one of the major threats to human health and to economic development around the world.

To date, we have committed more than \$44 million dollars to over 740 organizations worldwide which are improving the quality and removing barriers to clean drinking water!

So on a personal note, I wanted to say to the NPCA that your partnership with RBC has been an enjoyable one for me, now for over 4 years, and I think a great example of how organizations can partner together. This year again, it is a real pleasure to have a large team of 14 RBC employees volunteer at this 4 day event, and a demonstration of the shared valued between our organizations and staff. I would like to thank all of these RBC Royal Bank volunteers, for their passion in living 2 of our priorities of supporting the environment and children, something this event is unique in doing both. At RBC, we believe that by focusing on our true purpose, and deep held beliefs, of helping our children and clients thrive and our communities prosper, RBC and everyone succeeds.

The work the NPCA is undertaking in Niagara is critically important, and that is why we are so pleased to announce this additional \$5000 donation today. As I have said, I think it is a great investment in our future, our children and in the preservation of water.

I applaud the work of the NPCA, as it is through hard work and dedication by groups like yours, that future generations of Canadians will be able to enjoy a cleaner, more sustainable world.

Thankyou



mrat
by tesera

Municipal Risk Assessment Tool

The Problem

A perfect storm of climate change and vulnerable infrastructure has resulted in an increase in sewer and storm water backups in Canadian communities.

\$29 billion

North American economic losses caused by natural disasters, 2015

\$123 billion

Canada's municipal infrastructure deficit, 2015

Federal Disaster Financial Assistance Arrangement (DFAA) payments expected to reach

\$229 million

between 2016 and 2021-22 to recover from damage from storms

with flooding expected to add another
\$673 million /year



Worldwide in 2015, natural disasters caused
\$92 BILLION
in economic losses

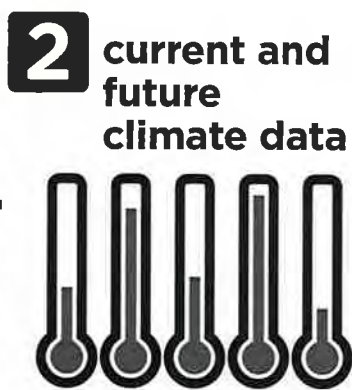
Sources: Swiss Re, Office of the Parliamentary Budget Officer

The Solution

MRAT, a web-based assessment tool that calculates the probability of current and future municipal sewer and storm water infrastructure failures.

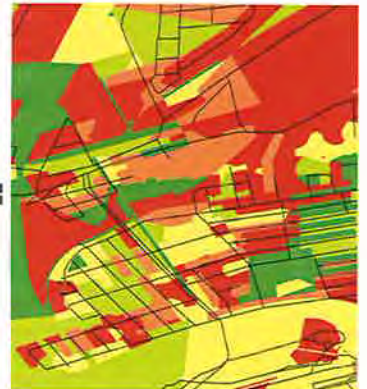
How MRAT helps municipalities

MRAT uses three kinds of data:



Risk formula placed into a GIS visualization tool to develop MRAT maps showing risk areas

Red means basement flooding is more likely
Green means basement flooding is less likely



IBC  PAC

mrat
by tesera

For more information, contact:

Tesera Systems Inc.

Bruce MacArthur
President & CEO

(403) 932-0445
bruce.macarthur@mrat.ca



mrat
by tesera

Drop by **booth #721**
to learn more about
IBC and MRAT

**JOIN IBC AT OUR INDUSTRY
EXCHANGE SESSION**

“Disaster-Proofing
Communities –
What’s Next?”

**Friday, June 3rd
4:00–5:30 p.m.**

(See program for room details)



**LEARN MORE ABOUT MRAT
AT THE TRADE SHOW**

“Setting
Priorities For
Infrastructure
Investments
Using MRAT”

**Friday, June 3rd
12:20 p.m.**

In the trade show theatre.



About Insurance Bureau of Canada

Insurance Bureau of Canada is the national industry association representing Canada’s private home, car and business insurers. Its member companies represent 90% of the property and casualty (P&C) insurance market in Canada. For more than 50 years, IBC has worked with governments across the country to help make affordable home, auto and business insurance available for all Canadians.

ibc.ca

About Tesera Systems

Tesera streamlines and connects data, processes and people across multiple devices, platforms, applications, systems and organizations. We enable people and their systems to easily and seamlessly communicate, collaborate and share data. Let Tesera help you bring together your existing municipal infrastructure data, with powerful analytic tools to better understand risks to climate change and adaptation needs.

tesera.ca

Cave Springs Management Plan



Development and Related Recommendations March 29, 2016

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 adjacent drawing be approved.

Key Features:

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

Cost: \$45,000



Cave Springs Masterplan
Entrance Concept November 2015

Prepared By
Sim Harbour Studio

Recommendation #4



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

Key Features:

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

Cost: \$105,000



Recommendation #5



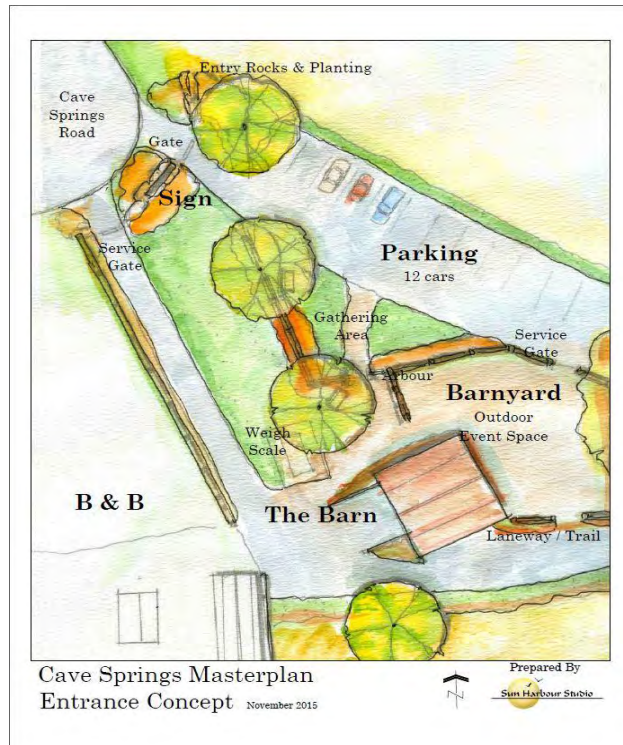
That the existing barn and surrounding area be restored to be used for special events and meetings.

Key Features:

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

Cost: \$500,000

Recommendation #6



That the gravel laneway 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



Cave Springs Masterplan
House Concept November 2015



Prepared By
Sun Harbour Studio

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**
- **Washrooms**

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



Cave Springs Masterplan
Trails Concept November 2015

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

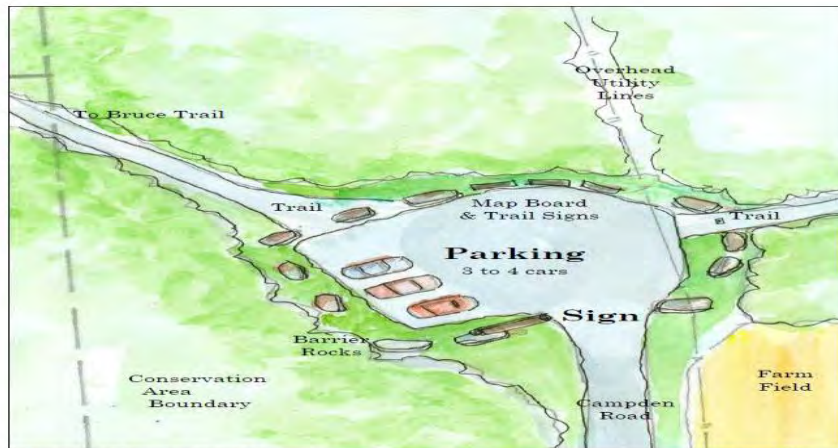
Recommendation #12

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



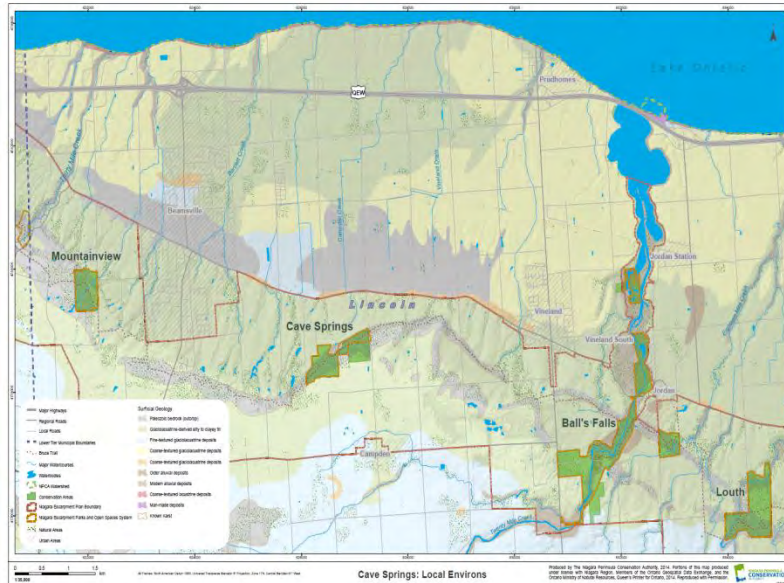
Recommendation #13

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



Recommendation #15

Cave Springs 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	
	150,000	
TOTAL	2,684,000	

That the Draft Cave Springs Development Budget be approved.