

NOTICE TO

CLOCA BOARD OF DIRECTORS

Please find enclosed the Agenda and supporting documents for the **CLOCA Board of Director's** meeting on **Tuesday, June 18, 2019, 5:00 p.m.**, at 100 Whiting Avenue, Authority's Office Boardroom.

The list below outlines upcoming meetings and events for your information.

UPCOMING MEETINGS & EVENTS

DATE	TIME	EVENT	LOCATION
Tuesday, June 18/19	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom
Friday, June 21/19	8:00 p.m. to 10:00 p.m.	Firefly Night Hike	Purple Woods CA 38 Coates Road East, Oshawa
Tuesday, July 16/19 (tentative)	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom
Tuesday, September 18/19	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom
Tuesday, October 15/19	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom
Tuesday, November 19/19	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom
Tuesday, December 17/19 (tentative)	5:00 p.m.	CLOCA Board of Director's Meeting	100 Whiting Avenue Authority's Office Boardroom

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“Healthy Watersheds for Today and Tomorrow”

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

A G E N D A

AUTHORITY MEETING

Tuesday, June 18, 2019 - 5:00 P.M.

MEETING LOCATION: 100 WHITING AVENUE, OSHAWA
AUTHORITY'S ADMINISTRATIVE OFFICE, BOARDROOM

CIRCULATION LIST

Authority	Bob Chapman, Chair	Authority	C. Darling Chief Administrative Officer
Members:	Ron Hooper, Vice Chair	Staff:	B. Boardman, Administrative Assistant/Recording Secretary
	Dave Barton		H. Brooks, Director, Watershed Planning & Natural Heritage
	Janice Jones		R. Catulli, Director, Corporate Services
	Chris Leahy		D. Hope, Land Management & Operations Supervisor
	Sterling Lee		C. Jones, Director, Planning & Regulation
	Tito-Dante Marimpietri		P. Lowe, Director, Community Engagement
	Ian McDougall		P. Sisson, Director, Engineering & Field Operations
	Don Mitchell		R. Wilmot, GIS Systems Supervisor
	Rhonda Mulcahy		
	John Neal		
	Brian Nicholson		
	David Pickles		
	Corinna Traill		
	Steve Yamada		

**SUPPORTING
DOCUMENTS**

AGENDA ITEM:

1. **DECLARATIONS** of interest by members on any matters herein contained
2. **ADOPTION OF MINUTES** of April 16, 2019 (Confidential) and May 14, 2019 pg. **1**
3. **DELEGATIONS** - *None*
4. **CORRESPONDENCE**
 - (1) Correspondence from Conservation Ontario pg. **11**
Re: Council Meeting Minutes – April 1, 2019
5. **PRESENTATIONS** – *None*
6. **DIRECTOR, DEVELOPMENT REVIEW & REGULATION**
 - (1) Staff Report #5649-19 pg. **21**
Re: Permits Issued for Development, Interference with Wetlands and
Alteration to Shorelines and Watercourses – May 1 to May 31, 2019
7. **DIRECTOR, WATERSHED PLANNING & NATURAL HERITAGE**
 - (1) Staff Report #5650-19 pg. **24**
Re: Conservation Lands Master Plan Project: Public and Stakeholder Consultation and
Engagement Results
 - (2) Staff Report #5652-19 pg. **30**
Re: Natural Heritage Restoration Prioritization Model

Cont'd

8. DIRECTOR, ENGINEERING & FIELD OPERATIONS

- (1) Staff Report #5654-19 pg. **57**
Re: Redside Dace Compensation Works at Heber Down Cosnervation Area

9. DIRECTOR, COMMUNITY ENGAGEMENT

- (1) Staff Presentation – Overview of CLOCA’s Community Engagement Responsibilities
(2) Staff Report #5648 pg. **61**
Re: Proposed Conservation Areas Trail Steward Program

10. CHIEF ADMINISTRATIVE OFFICER

- (1) Staff Report #5651-19 pg. **63**
Re: Petition for Watermain Construction on Range Road and Ontoro Boulevard, Town of Ajax
(2) Staff Report #5653-19 pg. **65**
Re: Request for Durham Region Funding to Support CLOCA’s Natural Hazard Management Program

11. CONFIDENTIAL MATTERS - *None*

12. NEW AND UNFINISHED BUSINESS

- (1) Status of Unfinished Business pg. **67**

13. ADJOURNMENT

A G E N D A
SUPPORTING DOCUMENTS

MEETING OF:	Authority
DATE:	Tuesday, June 18, 2019
TIME:	5:00 p.m.
LOCATION:	100 Whiting Avenue, Oshawa

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

MINUTES NO. 5

AUTHORITY MEETING

Tuesday, May 14, 2019 - 5:00 P.M.MEETING LOCATION: 100 WHITING AVENUE, OSHAWA
AUTHORITY'S ADMINISTRATIVE OFFICE, BOARDROOM**Present:**

Members	Bob Chapman, Chair	Staff	C. Darling Chief Administrative Officer
	Ron Hooper, Vice Chair		H. Brooks, Director, Watershed Planning & Natural Heritage
	Janice Jones		R. Catulli, Director, Corporate Services
	Chris Leahy		D. Hope, Land Management & Operations Supervisor
	Sterling Lee		C. Jones, Director, Planning & Regulation
	Ian McDougall		P. Lowe, Director, Community Engagement
	Don Mitchell		P. Sisson, Director, Engineering & Field Operations
	Rhonda Mulcahy		M. Stauffer, Administrative Assistant/Recording Secretary
	John Neal		
	Brian Nicholson	Others:	Nigel Allen, BDO Canada
	David Pickles		
	Corinna Traill		
	Steve Yamada		

Absent:

Dave Barton
Tito-Dante Marimpietri

The Chair called the meeting to order at 5:01 p.m.

DECLARATIONS of interest by members on any matters herein contained - *None*

ADOPTION OF MINUTES of April 16, 2019 (Agenda pg. 1)

Res. #47 Moved by D. Pickles
 Seconded by J. Neal

THAT the Authority minutes of April 16, 2019 be adopted as circulated.
CARRIED

Res. #48 Moved by D. Pickles
 Seconded by I. McDougall

THAT the Agenda be altered to hear Staff Report #5645-19, Draft 2018 Audited Financial Statements.
CARRIED

DELEGATIONS – *None*

DIRECTOR, CORPORATE SERVICES

(1) Staff Report #5645-19 (Agenda pg. 58)
 Re: Draft 2018 Audited Financial Statements

Mr. Allen of BDO Canada inquired if any Board Members had any knowledge regarding any lawsuits, damages or suspected fraud affecting the organization. None were identified.

Cont'd

Res. #49 Moved by B. Nicholson
Seconded by R. Hooper

***THAT the Auditor's Letter to the Board letter be received; and,
THAT the Audited Financial Statements for the year ended December 31, 2018 be approved as presented.***

THAT BDO Canada be appointed as CLOCA Auditors for the year ending December 31, 2019.

CARRIED

CORRESPONDENCE

(1) Correspondence from Ministry of Natural Resources & Forestry (Agenda pg. 3)
Re: Notification of 2019-20 Transfer Payment Funding

C. Leahy arrived at 5:05 p.m.

Discussion ensued regarding funding cuts and liability. C. Darling will bring forward an appropriate recommendation at the June 18, 2019 Board Meeting.

Res. #50 Moved by D. Mitchell
Seconded by R. Hooper

THAT the above correspondence be received for information.

CARRIED

(2) Correspondence from Forests Ontario (Agenda pg. 4)
Re: Cancellation of 50 Million Tree Program

B. Nicholson noted that he has read in the media that nurseries will be destroying seedlings that were intended for this program, and wondered if Conservation Authorities could look into purchasing the seedlings, or have them donated to assist in conservation reforestation programs. C. Darling will look into this.

S. Yamada arrived at 5:09 p.m.

Res. #51 Moved by D. Mitchell
Seconded by R. Hooper

THAT the above correspondence be received for information.

CARRIED

(3) Correspondence from Invading Species Awareness Program, OFAH (Agenda pg. 5)
Re: Reduction to Funding – Invading Species Hit Squad 2019

(4) Correspondence from Ontario Invasive Plant Council (Agenda pg. 6)
Re: OIPC will not receive MNRF Funding for 2019/20

(5) Correspondence from Janice Leschinsky (Agenda pg. 8)
Re: The Late John Goodwin

Res. #52 Moved by D. Mitchell
Seconded by R. Hooper

THAT the above correspondence be received for information.

CARRIED

R. Mulcahy arrived at 5:10 p.m.

PRESENTATIONS - None

DIRECTOR, DEVELOPMENT REVIEW & REGULATION

- (1) Staff Report #5640-19 (Agenda pg. 9)
 Re: Permits Issued for Development, Interference with Wetlands and
 Alteration to Shorelines and Watercourses – April 1 to April 30, 2019

Res. #53 Moved by C. Leahy
 Seconded by I. McDougall

THAT Staff Report #5640-19 be received for information.
CARRIED

- (2) Staff Report #5639-19 (Agenda pg. 11)
 Re: Proposed Provincial Changes to CLOCA's Development Regulation

Res. #54 Moved by C. Leahy
 Seconded by I. McDougall

THAT the Analysis Commentary in Staff Report 5639-19 be endorsed and submitted to the Province of Ontario and Conservation Ontario as CLOCA's comments regarding Environmental Bill of Rights Registry Posting 013-4992; and,
THAT the Minister of Natural Resources and Forestry be requested to share any proposed regulations in draft form with CLOCA for meaningful consultation prior to enactment;
THAT Staff Report 5639-19 be circulated to Watershed Municipalities, Members of Provincial Parliament, Members of Parliament and adjacent Conservation Authorities for their information.
CARRIED

- (3) Staff Report #5643-19 (Agenda pg. 18)
 Re: Proposed Provincial Excess Soil Regulations and Changes to Provincial
 Enforcement Powers

Res. #55 Moved by C. Leahy
 Seconded by I. McDougall

THAT Staff Report 5643-19 and the specific amendments and comments in the Discussion and Analysis Section be endorsed as CLOCA's comments on the Proposed Excess Soil Regulatory Package (Environment Registry Nos. 013-5000 and 019-0023); and,
THAT Staff Report 5643-19 be circulated to watershed Members of Provincial Parliament, Members of Parliament, the Region of Durham, watershed municipalities and Conservation Ontario.
CARRIED

- (4) Staff Report #5644-19 (Agenda pg. 24)
Re: Modernizing Ontario's Environmental Assessment Program

Res. #56 Moved by C. Leahy
Seconded by I. McDougall

THAT Staff Report #5644-19 be received for information.
CARRIED

DIRECTOR, WATERSHED PLANNING & NATURAL HERITAGE

- (1) Staff Report #5635-19 (Agenda pg. 25)
Re: Conservation Lands Master Plan Project: Progress Update

Res. #57 Moved by C. Leahy
Seconded by I. McDougall

THAT Staff Report #5635-19 be received for information.
CARRIED

- (2) Staff Report #5636-19 (Agenda pg. 26)
Re: CLOCA Comments on Proposed Changes to Ontario's Endangered Species Act

Res. #58 Moved by C. Leahy
Seconded by I. McDougall

THAT Staff Report #5636-19 be received;
THAT CLOCA's comments on the Proposed Changes to Ontario's Endangered Species Act be endorsed and sent to Conservation Ontario for consideration in the submission of consolidated comments to the Province; and,
THAT Staff Report #5636-199 be distributed to Durham Region and the local municipalities.
CARRIED

DIRECTOR, ENGINEERING & FIELD OPERATIONS

- (1) Staff Report #5637-19 (Agenda pg. 41)
Re: Winter 2018/Spring 2019 Conservation Areas Update

Res. #59 Moved by D. Mitchell
Seconded by C. Leahy

THAT Staff Report #5637-19 be received for information.
CARRIED

- (2) Staff Report #5638-19 (Agenda pg. 45)
Re: Update on Flooding – Lake Ontario Water Levels

Res. #60 Moved by C. Traill
Seconded by J. Jones

THAT Staff Report #5638-19 be deferred to the end of the meeting.
CARRIED

DIRECTOR, COMMUNITY ENGAGEMENT

- (1) Staff Report #5641-19 (Agenda pg. 48)
Re: 2019 Purple Woods Maple Syrup Festival

Res. #61 Moved by J. Neal
Seconded by S. Lee

THAT Staff Report #5641-19 received for information.
CARRIED

DIRECTOR, CORPORATE SERVICES

- (2) Staff Report #5646-19 (Agenda pg. 59)
Re: 2019 Budget

Res. #62 Moved by B. Nicholson
Seconded by C. Leahy

THAT Staff Report #5646-19 be received for information;
THAT the proposed 2019 budget be approved, as presented; and,
THAT copies of the 2019 Budget Report, as approved, be circulated to the Region of Durham and lower tier municipalities for their information about the projects and programs of the Central Lake Ontario Conservation Authority in 2019.
CARRIED

Res. #63 Moved by B. Nicholson
Seconded by D. Pickles

THAT Staff reach out to local municipalities and other Durham Region Conservation Authorities for a joint approach to the Region of Durham to find replacement funding for the Provincial flood management cuts.
CARRIED

CHIEF ADMINISTRATIVE OFFICER

(1) Staff Report #5642-19 (Agenda pg. 61)
 Re: Modernizing Conservation Authority Operations

Res. #64 Moved by I. McDougall
 Seconded by R. Mulcahy

THAT the Analysis Commentary in Staff Report #5642-19 be endorsed and submitted to the Province of Ontario and Conservation Ontario as CLOCA's comments regarding Environmental Registry Posting 013-5018;

THAT the Minister of Environment, Conservation and Parks be requested to share any proposed regulations in draft form with CLOCA for meaningful consultation prior to enactment; and,

THAT Staff Report #5642-19 be circulated Watershed Municipalities, Members of Provincial Parliament, Members of Parliament and adjacent Conservation Authorities for their information.

CARRIED

Res. #65 Moved by C. Traill
 Seconded by J. Neal

THAT the Board take a 5 minutes break.

CARRIED

REFERRAL

Staff Report #5638-19 (Agenda pg. 45)

Re: Update on Flooding – Lake Ontario Water Levels

Res. #66 Moved by C. Traill
 Seconded by R. Hooper

- 1. Refer the matter back to Staff for comment on the role Plan 2014 has played in the regulation of Lake Ontario water levels, including answering whether it was a contributing factor to flooding;***
- 2. What role CLOCA can play re: working with United Shoreline Ontario, a grassroots community based organization which has the mandate of uniting residents and municipalities of the North shore of Lake Ontario;***
- 3. Provide further information on the areas of flooding outlined in Report 5638-19 and propose solutions to the issue of flooding, with specific reference to the areas mentioned in the final paragraph but also including northern Municipalities;***
- 4. That the report appear on the September 17 2019 agenda.***

C. Trail requested a recorded vote.

Cont'd

MEMBER	YEA	NAY	CONFLICT	ABSENT
D. Barton				X
B. Chapman	X			
R. Hooper	X			
J. Jones	X			
C. Leahy	X			
S. Lee	X			
T-D Marimpietri				X
I. McDougall	X			
D. Mitchell	X			
R. Mulcahy	X			
J. Neal	X			
B. Nicholson	X			
D. Pickles	X			
C. Traill	X			
S. Yamada	X			
TOTAL	13			2

CARRIED

CONFIDENTIAL MATTERS - *None*

NEW AND UNFINISHED BUSINESS

R. Hooper noted a motion from the Municipality of Clarington Planning & Development Committee to go to Council next week:

Whereas as the Province of Ontario has announced the initiation of an internal task force that will consult with municipalities on ways to improve flood resiliency;

Whereas the federal, provincial and municipal governments have a joint interest in natural disaster mitigation, climate change adaptation, and the reduction of risks to public safety and infrastructure;

Whereas on June 19, 2017, Clarington Council resolved that "the provincial and federal governments be requested to strike a committee to review mitigation and safety plans for the communities fronting the Great Lakes and St. Lawrence Seaway" and that "Clarington be invited to participate on the committee";

Whereas the Municipality of Clarington experienced first-hand in 2017 the devastating effects of flooding, and in 2019 is again being impacted by recent and on-going flooding conditions;

Whereas the flooding experienced by Clarington residents has resulted in impacts to their private property and presented safety concerns;

Whereas the Municipality of Clarington has expended significant staff and financial resources in aiding area residents, ensuring their safety;

Cont'd

Whereas the Municipality of Clarington and impacted residents have worked together to learn from past experience and strengthen flood response and resilience, resulting in the development of a flood preparedness guide, as well as the adoption of a Clarington Flood Response Plan and a municipal standard for response during flooding that has been effective during recent flooding events;

Whereas climate change modelling done by the Regional Municipality of Durham projects a wetter future climate for Durham Region, and accordingly, it is conceivable and reasonable to anticipate future flooding in the community;

Now therefore be it resolved that,

1. The Municipality of Clarington Council thanks the provincial government for taking action to better plan for and reduce the impacts of flooding;
2. The provincial task force consider, as part of their work plan, the provision of adequate funding to support the mitigation of flooding and safety planning for flood vulnerable areas of communities;
3. The Municipality of Clarington be invited to participate in the work of the task force to allow for input on what is needed to make our communities more resilient to increasingly frequent flood events;
4. The province's internal task force undertake an engagement session in the Municipality of Clarington to hear directly from local residents impacted by flooding in 2017 and now in 2019; and
5. This resolution be distributed to the Premier, Minister of Natural Resources and Forestry, Ministry of Municipal Affairs and Housing, our local MPPs and MPs, Central Lake Ontario Conservation Authority, Ganaraska Region Conservation Authority, and the Regional Municipality of Durham for their endorsement and support.

ADJOURNMENT

Res. #67 Moved by J. Neal
 Seconded by S. Lee

THAT the meeting adjourn.
CARRIED

The meeting adjourned at 6:15 p.m.

COUNCIL MEETING

Minutes from Meeting #1/19

April 1, 2019

Black Creek Pioneer Village

Voting Delegates Present:

Chair: Don MacIver, Credit Valley

Brian Horner, Ausable Bayfield
 Alan Revill, Cataraqui Region
 Geoff Rae, Cataraqui Region
 Rick Cerna, Catfish Creek
 Chris Wilkinson, Catfish Creek
 Chris Darling, Central Lake Ontario
 Karen Ras, Credit Valley
 Deb Martin-Downs, Credit Valley
 Richard Wyma, Essex Region
 Linda Laliberte, Ganaraska Region
 Joe Farwell, Grand River
 Cathy Little, Grey Sauble
 Sonya Skinner, Grey Sauble
 Susan Fielding, Hamilton
 Lisa Burnside, Hamilton
 Ted Smith, Kawartha
 Mark Majchrowski, Kawartha
 Elizabeth VanHooren, Kettle Creek
 Wayne Emmerson, Lake Simcoe Region
 Scott MacPherson, Lake Simcoe Region
 Mike Walters, Lake Simcoe Region
 Michael Columbus, Long Point Region
 Judy Maxwell, Long Point Region
 Mark Peacock, Lower Thames Valley
 Jim Alyea, Lower Trent
 Glenda Rodgers, Lower Trent

Dave Turton, Maitland Valley
 Jeff Atkinson, Mississippi
 Sally McIntyre, Mississippi
 Dave Bylsma, Niagara Peninsula
 Diana Huson, Niagara Peninsula
 Gayle Wood, Niagara Peninsula
 Lin Gibson, Nickel District (Con.Sudbury)
 Carl Jorgensen, Nickel District (Con.Sudbury)
 George Watson, Nottawasaga Valley
 Doug Hevenor, Nottawasaga Valley
 Andy Mitchell, Otonabee
 Dan Marinigh, Otonabee
 James Flieler, Quinte
 Frank Prevost, Raisin Region
 Richard Pilon, Raisin Region
 Pieter Leenhouts, Rideau Valley
 Sommer Casgrain-Robertson, Rideau Valley
 Dan Gieruszak, Saugeen
 Maureen Couture, Saugeen
 Wayne Brohman, Saugeen
 Bill Smirle, South Nation
 George Darouze, South Nation
 Angela Coleman, South Nation
 Joe Faas, St. Clair Region
 Brian McDougall, St. Clair Region
 Sandy Levin, Upper Thames River
 Ian Wilcox, Upper Thames River

Members Absent:

Lakehead Region
 Mattagami Region

Guests:

Geoff Dawe, Lake Simcoe Region
 Phil Beard, Maitland
 Mark Burnham, Mississippi Valley
 Brad McNevin, Quinte

CO Staff:

Kristin Bristow
 Kim Gavine
 Nicholas Fischer
 Bonnie Fox
 Chitra Gowda

Jane Lewington
 Nekeisha Mohammed
 Leslie Rich
 Jo-Anne Rzadki
 Rick Wilson

1. Welcome from the Chair

- Introductions
- Glenda Rodgers Retirement Acknowledgement
- Matthew Millar – CO staff - Acknowledgement
- Gayle Wood – NPCA Biennial Tour – ***noted that the tour is delayed to September 2020***
- Council Survey – additional question regarding location
- Don MacIver thanked the outgoing CO Board members for their contributions and asked them for a brief address on their experiences

2. Adoption of the Agenda

#01/19 Moved by: Lin Gibson Seconded by: Bill Smirle

THAT the Agenda be adopted as amended.

CARRIED

3. Declaration of Conflict of Interest

4. Approval of the Minutes of the Previous Meeting

#02/19 Moved by: Cathy Little Seconded by: Dan Gieruszak

THAT the minutes from the meeting December 10, 2018 be approved.

CARRIED

5. Business Arising from the Minutes

6. Adoption of the 2018 Audited Financial Statements, Final Report to the Budget and Audit Committee & Appointment of Auditors for 2019

#03/19 Moved by: Richard Pilon Seconded by: Alan Revill

THAT the Final Report to the Conservation Ontario Budget & Audit Committee be received;

THAT Conservation Ontario accept the Budget and Audit Committee's recommendation that the Financial Statements of Conservation Ontario for the year ended December 31, 2018 be approved;

AND THAT Conservation Ontario appoint BDO as its auditor for the 2019 audit.

CARRIED

7. Conservation Ontario's 2018 Annual Report & Presentation

Don MacIver provided an overview of the Annual Report presentation with some detail about the process and related to that report.

#04/19 Moved by: Joe Farwell Seconded by: George Watson

THAT Conservation Ontario Council adopt the 2018 Annual Report.

CARRIED

8. Council Voting Delegates & Alternates

The following corrections were made to the Voting Delegate List:

Ausable Bayfield Conservation:

Alternate: Doug Cook

2nd Alternate: Brian Horner

Lake Simcoe Region Conservaton Authority:

Alternate: Scott MacPherson

2nd Alternate: Mike Walters

Grand River Conservation Authority:

Voting Delegate: Helen Jowett

Alternate: Joe Farwell

Quinte Conservation:

Alternate: James Fleiler

2nd Alternate: Janice Maynard

Saugeen Valley Conservation:

Alternate: Maureen Couture

#05/19 Moved by: Pieter Leenhouts

Seconded by: Cathy Little

THAT the Voting Delegates and Alternates List be accepted as amended.

CARRIED

9. Orientation for New Council Members

Jane Lewington provided Council members with an orientation which is attached to the minutes.

10. Election of Conservation Ontario Chair, 2 Vice Chairs and 3 Directors

The proceedings were handed over to Kim Gavine (CO). All the positions were declared vacant for 2019 and the election procedures were reviewed.

#06/19 Moved by: Lin Gibson

Seconded by: Joe Farwell

THAT Jane Lewington and Rick Wilson be appointed as scrutineers in the event of a vote.

CARRIED

Kim Gavine called for nominations for Chair of Conservation Ontario for 2019.

Karen Ras nominated Wayne Emmerson

Kim Gavine called a second and third time for nominations and hearing none called for a motion to close the nominations.

#07/19 Moved by: Bill Smirle

Seconded by: Pieter Leenhouts

THAT the nominations for Chair of Conservation Ontario for 2019 be closed.

CARRIED

Wayne Emmerson accepted his nomination and was declared Chair of Conservation Ontario for 2019.

Kim called for nominations for Vice Chairs of Conservation Ontario for 2019.

Cathy Little nominated Lin Gibson

Pieter Leinhouts nominated Alan Revill

Kim called a second and third time for nominations and hearing none called for a motion to close the nominations.

#08/19 Moved by: Joe Farwell

Seconded by: Mark Peacock

THAT the nominations for Vice Chairs of Conservation Ontario for 2019 be closed.

CARRIED

Lin Gibson and Alan Revill accepted their nominations and were declared Vice Chairs for Conservation Ontario for 2019.

Kim Gavine called for nominations for the Directors (staff positions) for 2019.

Joe Farwell nominated Richard Wyma

Jim Alya nominated Linda Laliberte

Wayne Emerson nominated Deb Martin-Downs – ***Deb Martin-Downs stood aside for this position***

Kim Gavine called a second and third time for nominations and hearing none called for a motion to close the nominations.

#09/19 Moved by: Jim Alyea

Seconded by: Ted Smith

THAT the nominations for staff Directors of Conservation Ontario for 2019 be closed.

CARRIED

Linda Laliberte and Richard Wyma accepted their nominations and were declared Directors of Conservation Ontario.

Kim called for nominations for Director for Conservation Ontario for 2019.

Wayne Emmerson nominated Deb-Martin Downs

Kim Gavine called a second and third time for nominations and hearing none called for a motion to close the nominations.

#10/19 Moved by: Joe Farwell

Seconded by: Linda Laliberte

THAT the nominations for the Director of Conservation Ontario for 2019 be closed.

CARRIED

Deb Martin-Downs accepted her nomination and was declared Director of Conservation Ontario.

Wayne Emmerson presided as Chair for the remainder of the meeting.

11. Standing Committee Representatives

#11/19 Moved by: Deb Martin-Downs

Seconded by: Alan Revill

THAT the appointment of the Budget and Audit Standing Committee membership (as identified below) be ratified.

THAT the appointment of the Group Insurance and Benefits Committee membership (as identified below) be ratified.

THAT the appointment of the Occupational Health and Safety/Risk Management Committee membership (as identified below) be ratified.

CARRIED

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

#12/19 Moved by: Joe Farwell

Seconded by: Lin Gibson

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

CARRIED

13. Discussion Items

(Item 14b) from Consent Agenda

Conservation Ontario's Comments on the "Consultation: Increasing Housing Supply in Ontario" (ERO #013-4190) and Conservation Ontario's Blog Post "Putting Growth in the Right Spot Ensures Public Health and Safety: A Response to the Housing Supply Consultation"

C.W. #01/19 Moved by: Deb Martin-Downs

Seconded by: Joe Farwell

THAT Conservation Ontario's comments on the "Consultation: Increasing Housing Supply in Ontario" (ERO #013-4190) dated January 29, 2019 be endorsed.

CARRIED

a) General Manager's Report

Deb Martin-Downs noted that retaining Strategy Corp was a positive decision for our strategic government relations work.

Wayne Emmerson noted that the BILD connection with CO is a positive one and that the meeting with Minister Phillips is an important one to have.

C.W. #02/19 Moved by: Lin Gibson

Seconded by: Dan Gieruszak

THAT Council Ontario Council receives this report as information.

CARRIED

b) Proposed Collective Conservation Authority Core Mandate and Objectives; and Conservation Ontario Client Service and Streamlining Initiative; and Representatives for leadership and support Committees

i) C.W. #03/19 Moved by: Jennifer Innis Seconded by: Alan Revill

THAT Conservation Ontario Council endorse the "Collective Conservation Authority Mandate and Objectives" for consistent use by CAs;

CARRIED

John Mackenzie commented on the lack of reference to CA education programs in the core mandate. It was explained that the core mandate and objectives are communicated at a high level and education was intended to be covered by the "connect people to the natural environment" but that it could be made more explicit.

ii) C.W. #04/19 Moved by: Andy Mitchell

Seconded by: Scott MacPherson

WHEREAS the provincial government intends to increase the supply of housing and streamline the land use planning and development approval process to achieve this goal;

AND WHEREAS the Conservation Authorities play an important role in the planning and development review process with respect to watershed protection and hazard lands;

AND WHEREAS Conservation Authorities support and can help deliver the Government's objective not to jeopardize public health and safety or the environment;

THEREFORE BE IT RESOLVED THAT Conservation Ontario Council endorse the Client Service and Streamlining Initiative (as amended) and that the resolution be sent to our clients, represented by Ontario Homebuilders Association (OHBA), Building Industry and Land Development Association (BILD) and Association of Municipalities of Ontario (AMO) and to the Ministers of Municipal Affairs and Housing; Environment, Conservation and Parks; and, Natural Resources and Forestry;

AND THAT Conservation Ontario Council request that all Conservation Authority Boards endorse a commitment to pursue streamlining and client service measures in order to contribute to achieving provincial priorities and to send such a resolution to local Municipal Councils and MPPs;

CARRIED

Bonnie directed the Council to the detailed report in the agenda and provided an overview of the three action areas (1.Improve client service and accountability; 2. Increase speed of approvals; and, 3. Reduce red tape and regulatory burden) identified in the CO Client Service and Streamlining Initiative (Attachment 2, pp66-67). Further to discussion, Bonnie noted that the committee recommendations will be guidelines and best practices for all CAs to consider in their local context and not requirements for all CAs. For clarity, Council requested that each of the three client service and streamlining action areas, identified to help the Province address the demand for housing supply, include a reference to 'protecting public health and safety, and, the environment'. The resolution includes "...endorse the Client Service and Streamlining Initiative (as amended)..." to enable incorporation of this amendment.

iii) C.W. #05/19 Moved by: Bill Smirle Seconded by: Susan Fielding

THAT Joe Farwell (Grand River Conservation Authority); Mike Walters (Lake Simcoe Region Conservation Authority); Chris Darling (Central Lake Ontario Conservation Authority); Brian Tayler (North Bay-Mattawa Conservation Authority); Deborah Martin-Downs (Credit Valley Conservation); Sommer Casgrain-Robertson (Rideau Valley Conservation Authority); and, Angela Coleman (South Nation Conservation) be endorsed as members of the Conservation Ontario Client Service and Streamlining Initiative Steering Committee

CARRIED

iv) C.W. #06/19 C.W. #07/19 Moved by: Lin Gibson Seconded by: Joe Farwell

THAT Alison McDonald (South Nation Conservation); Barbara Veale (Conservation Halton); Chris Jones (Central Lake Ontario Conservation Authority); Glen McDonald (Rideau Valley Conservation Authority); Michael Nelson (Essex Region Conservation Authority); Nancy Davy (Grand River Conservation Authority); Paula Scott (North Bay-Mattawa Conservation Authority); Rob Baldwin (Lake Simcoe Region Conservation Authority); Sameer Dhalla (Toronto and Region Conservation Authority); and, Tracy Annett (Upper Thames River Conservation Authority) be endorsed as the Conservation Ontario Timely Review and Approvals Task Force

CARRIED

c) Special Projects Budget 2019

C.W. #08/19 Moved by: Linda Laliberte

Seconded by: Dave Turton

THAT the 2019 Special Projects Budget in the amount of \$1,186,977 be approved as presented and as recommended by the Budget and Audit Committee.

CARRIED

d) Annual Report: April 2018-March 2019 Conservation Ontario (CO) Representatives and Conservation Authorities Program Discussion Group List

C.W. #08/19 Moved by: Scott MacPherson

Seconded by: Alan Revill

THAT Conservation Ontario Council receives this report.

CARRIED

e) Program Updates

i. Drinking Water Source Protection

Chitra Gowda provided an overview of the program update for the DWSP program.

C.W. #09/19 Moved by: Karen Ras

Seconded by: Dave Bylsman

THAT Conservation Ontario Council receives this report as information.

CARRIED

ii. Marketing & Communications

Jane Lewington provided an overview of the program update for the Marketing and Communications program. Nekeisha Mohammed provided an overview or the Conservation Ontario Guide to Ontario's Conservation Areas.

C.W. #10/19 Moved by: Susan Fielding

Seconded by: Dan Gierusak

THAT Conservation Ontario Council receives this report as information.

CARRIED

iii. Business Development & Partnerships

Jo-Anne Rzaeki provided a slide presentation and overview of the Business Development and Partnership program.

C.W. #11/19 Moved by: Rick Cerna

Seconded by: Scott MacPherson

THAT Angela Coleman (General Manager, Secretary Treasurer-SNC); Tim Mereu (Director, Watershed Management-CVC); Melinda Bessey (Acting Manager, Planning-LSRCA); Ashlea Brown (Senior Environmental Regulations Analyst/Capital Projects Analyst – LSRCA) and Jo-Anne Rzaeki (Business Development and Partnerships Coordinator –CO) be endorsed to represent Conservation Ontario on the Federal Flood Risk Land Use Advisory Committee

AND THAT Mark Peacock (CAO/Secretary Treasurer -LTVCA) be endorsed to represent Conservation Ontario on the Natural Research Council Federal Building Code Committee to review changes to address climate change and flood resilience.

CARRIED

iv. Information Management

Rick Wilson provided an overview of the program update for the Information Management program.

C.W. #12/19 Moved by: Bill Smirle Seconded by: Cathy Little

THAT Conservation Ontario Council receives this report as information.

CARRIED

14. Consent Items

C.W. #13/19 Moved by: Ted Smith Seconded by: Lin Gibson

THAT Council approve a consent agenda and endorse the recommendations accompanying Items 14a, 14c – 14m.

CARRIED

- a) Conservation Ontario's comments on Schedule 10 of Bill 66: Restoring Ontario's Competitiveness Act, 2018 (ERO#013-4293); the Proposed open-for-business planning tool (ERO#013-4125) and the New Regulation under the Planning Act for open-for-business planning tool (ERO#013-4239)

THAT the comments on Schedule 10 of Bill 66: Restoring Ontario's Competitiveness Act, 2018 (ERO#013-4293); the Proposed open-for-business planning tool (ERO#013-4125) and the New Regulation under the Planning Act for open-for-business planning tool (ERO#013-4239) submitted to the Ministry of Economic Development, Job Creation and Trade on January 18, 2019, be endorsed.

- ~~b) Conservation Ontario's Comments on the "Consultation: Increasing Housing Supply in Ontario" (ERO #013-4190) and Conservation Ontario's Blog Post "Putting Growth in the Right Spot Ensures Public Health and Safety: A Response to the Housing Supply Consultation"~~

- c) Conservation Ontario's comments on "Preserving and Protecting our Environment for Future Generations: A Made-in-Ontario Environment Plan" (ERO#013-4208)

THAT the comments on "Preserving and Protecting our Environment for Future Generations: A Made-in-Ontario Environment Plan" (ERO#013-4208) submitted to the Ministry of the Environment, Conservation and Parks on January 28, 2019, be endorsed.

- d) Conservation Ontario's Comments on the "Proposed Amendment to the Growth Plan for the Greater Golden Horseshoe, 2017" (ERO #013-4504)

THAT Conservation Ontario's comments on the "Proposed Amendment to the Growth Plan for the Greater Golden Horseshoe, 2017" (ERO #013-4504) dated February 28, 2019 be endorsed.

- e) Conservation Ontario's comments on the "10th Year Review of Ontario's Endangered Species Act: Discussion Paper" (ERO#013-4143)

THAT the comments on the “10th Year Review of Ontario’s Endangered Species Act: Discussion Paper (ERO#013-4143) submitted to the Ministry of the Environment, Conservation and Parks on March 4, 2019, be endorsed.

- f) Provincial Flood Forecasting and Warning Committee (PFFWC) and Ontario Hydrometric Program Coordinating Committee (OHPCC) Representatives

THAT Steve Jackson (MVCA) be endorsed as the South West representative on the Provincial Flood Forecasting and Warning Committee and Dwight Boyd (GRCA) be endorsed as an alternate representative.

AND THAT Kurtis Romanchuk (NBMCA) be endorsed as the Northern CA representative on the Provincial Flood Forecasting and Warning Committee.

AND THAT Iryna Shulyarenko (KC) be endorsed as the Central CA representative on the Provincial Flood Forecasting and Warning Committee and Sameer Dhalla (TRCA) be endorsed as an alternate representative.

AND THAT Steve Jackson (MVCA) be endorsed as the CO representative on the Ontario Hydrometric Coordinating Committee and Dwight Boyd (GRCA) be endorsed as an alternate representative.

- g) Certified Crop Advisors Representation

THAT Conservation Ontario (CO) Council thank Mark Eastman (CVC) for his contributions as Conservation Ontario representative on the Certified Crop Advisor Association Board of Directors since 2013;

AND THAT CO Council endorse Michael Dick (ERCA) as CO representative on the Certified Crop Advisor Association Board of Directors.

- h) Conservation Ontario’s comments on the “Proposed regulatory amendments to Ontario Regulation 267/03 under the Nutrient Management Act (ERO#013-4388)

THAT the comments on the “Proposed regulatory amendments to Ontario Regulation 267/03 under the Nutrient Management Act” (ERO#013-4388) submitted to the Ministry of Agriculture, Food and Rural Affairs and the Ministry of the Environment, Conservation and Parks on February 22, 2019, be endorsed.

- i) Submission of Conservation Ontario’s 2018 Annual Effectiveness Monitoring Report on the Class Environmental Assessment for Remedial Flood and Erosion Control Projects

THAT Conservation Ontario’s “2018 Annual Effectiveness Monitoring Report on the Class Environmental Assessment for Remedial Flood and Erosion Control Projects” be received as information.

- j) Update on the Memorandum of Understanding between Conservation Ontario and Hydro One

THAT Conservation Ontario Council receives this report as information.

- k) Great Lakes Water Quality Agreement Executive Committee and Annex Sub-Committees Updates and Decision Items (i) Conservation Ontario’s Comments on “2019 Progress Report of

the Parties” and (ii) Conservation Ontario Representatives for Lake Erie Action Plan (LEAP) Implementation Team

- i. *THAT Conservation Ontario Council receives this report and, THAT Conservation Ontario’s comments dated January 31, 2019 on “2019 Progress Report of the Parties” be endorsed*
 - ii. *THAT Richard Wyma (ERCA); Brian McDougall (SCRCA) (Nicole Drumm (SCRCA-Alternate)); Joe Farwell (Grand River) (Sandra Cooke (Grand River-Alternate); Ian Wilcox (UTRCA) (Chris Harrington, Karen Maaskant (UTRCA –Alternates)); Mark Peacock (LTVCA) (Jason Wintermute (LTVCA –Alternate)) and Jo-Anne Rzadki (CO) be endorsed as Conservation Ontario’s representatives on the Lake Erie Action Plan Implementation Team*
- l) Dam Owners Advisory Committee letter to Minister re: Red Tape Reduction – *Lakes and Rivers Improvement Act*

THAT this report and attached letter to Minister Yakabuski dated January 9, 2019 be received by Conservation Ontario Council for information.

- m) Correspondence
- Ottawa River Watershed CAs to Minister of Environment and Climate Change Canada
 - Minister of Environment, Conservation and Parks to Conservation Ontario

15. Motion to Move from Committee of the Whole to Full Council

#13/19 Moved by: Joe Farwell

Seconded by: Linda Laliberte

CARRIED

16. Council Business – Council Adoption of Recommendations

#14/19 Moved by: Dave Turton

Seconded by: James Fleiler

THAT Conservation Ontario Council adopt Committee of the Whole (C.W.) Recommendations: C.W. #01/19 to C.W. #13/19.

CARRIED

17. New Business

Deb Martin-Downs provided an overview for Latornell November 19-21, 2019, and asked for auction items from CAs for the Dream Auction. It was noted that Leadership nominations are pending, and the call for those nominations will go out the second week of April.

18. Adjourn

15/19 Moved by: Bill Smirle

Seconded: Pieter Leenhouts


THAT the meeting be adjourned.

CARRIED

REPORT

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: RPRG3974
S.R.: 5649-19
TO: Chair and Members, CLOCA Board of Directors
FROM: Chris Jones, Director, Planning & Regulation
SUBJECT: **Permits Issued for Development, Interference with Wetlands and Alteration to Shorelines and Watercourses – May 1 to 31, 2019**

APPROVED BY C.A.O. 

Attached are the Development, Interference with Wetlands and Alterations to Shorelines and Watercourses applications, pursuant to Ontario Regulation 42/06, as approved by staff and presented for the Members' information.

RECOMMENDATION:

THAT Staff Report #5649-19 be received for information.

CJ/bb
Attach


Permits To Be Ratified for 5/1/2019 to 5/31/2019

Row #	Municipality	Owner / Applicant	Street / Lot / Con	Permit No.	Description
1	CLARINGTON DARLINGTON	TRANS NORTHERN PIPELINES INC. /STANTEC CONSULTING	LOT 07/CON 03	C18-187-GW	DEVELOPMENT ACTIVITIES ASSOCIATED WITH PIPELINE INTEGRITY DIGS
2	CLARINGTON DARLINGTON	1728589 ONTARIO INC./CANDEVCON LIMITED	AVONDALE DR & TRULLS RD/LOT 30/CON 02	C19-027-G	DEVELOPMENT ACTIVITIES ASSOCIATED WITH SITE ALTERATION WORKS INCLUDING GRUBBING, REMOVAL OF TREE STUMPS/ROOTS AND EARTHWORKS 10,000 CUBIC METRES OF NATIVE, EXISTING FILL TO BE MOVED WITHIN THE SITE
3	CLARINGTON DARLINGTON	MUNICIPALITY OF CLARINGTON/CIMA	LOT 07/CON 01	C19-031-GB	DEVELOPMENT ACTIVITIES ASSOCIATED WITH 1.) THE EXTENSION OF BASELINE ROAD BETWEEN LAMBS RD AND BENNETT ROAD 2.) THE RECONSTRUCTION OF A PORTION OF LAMBS RD. 3.) CHANNEL RE-ALIGNMENT OF A PORTION OF A WATERCOURSE LOCATED AT THE NORTHWEST CORNER OF BASELINE RD AND LAMBS RD
4	CLARINGTON DARLINGTON	MUNICIPALITY OF CLARINGTON/CIMA	LOT 07/CON 01	C19-032-G	DEVELOPMENT ACTIVITIES ASSOCIATED WITH PLACING OF EXCESS TOPSOIL ONTO EXISTING AGRICULTURAL LANDS. TOPSOIL TO BE SOURCED ONLY FROM CLARINGTON MUNICIPAL INFRASTRUCTURE WORKS RELATED TO EXTENSION OF BASELINE RD AND LAMBS ROAD RECONSTRUCTION
5	CLARINGTON DARLINGTON	MUNICIPALITY OF CLARINGTON/CIMA	LOT 07/CON 01	C19-033-G	DEVELOPMENT ACTIVITIES ASSOCIATED WITH STRIPPING EXISTING TOPSOIL, PLACEMENT OF ENGINEERED FILL, REPLACEMENT OF TOPSOIL, WITHIN EXISTING AGRICULTURAL LANDS. IMPORTED FILL TO BE SOURCED ONLY FROM CLARINGTON MUNICIPAL INFRASTRUCTURE WORKS RELATED TO EXTENSION OF BASELINE RD AND LAMBS ROAD RECONSTRUCTION
6	CLARINGTON DARLINGTON	PROPERTY OWNER/ANDELWOOD HOMES	1500 CONCESSION 10/LOT 33/CON 10	C19-059-B	DEVELOPMENT ACTIVITIES ASSOCIATED WITH BUILDING OF A SINGLE FAMILY DWELLING
7	CLARINGTON DARLINGTON	PROPERTY OWNER	2725 TAUNTON ROAD/LOT 09/CON 04	C19-068-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH CONSTRUCTION OF A DETACHED GARAGE
8	CLARINGTON DARLINGTON	COURTICE TRUNK SANITARY SEWER EA/REGION OF DURHAM		C19-069-GB	DEVELOPMENT ACTIVITIES ASSOCIATED WITH THE INSTALLATION 1) A 1650MM TRUNK SANITARY SEWER FROM BEATRICE STREET TO COLDSTREAM DRIVE 2) A 300MM WATERMAIN FROM DUNCAN AVE TO TO COLDSTREAM DRIVE 3) A 300MM STORM NEWER NEAR TAUNTON ROAD EAST
9	CLARINGTON DARLINGTON	PROPERTY OWNER	81 MCLELLAN COURT/LOT 33/CON 03	C19-070-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH INSTALLING AN INGROUND POOL AND RELATED LANDSCAPING
10	CLARINGTON DARLINGTON	ROGERS COMMUNICATIONS CANADA INC.	TRULLS ROAD, NORTH OF HWY 2/LOT 30/CON 02	C19-071-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH DIRECTIONAL BORE TO INSTALL TWO 75 MM CONDUITS
11	CLARINGTON DARLINGTON	ROGERS COMMUNICATIONS CANADA INC.	NASH ROAD AND TRULLS ROAD/LOT 30/CON 02	C19-072-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH DIRECTIONAL BORE TO INSTALL TWO 75MM CONDUITS
12	CLARINGTON DARLINGTON	ROGERS COMMUNICATIONS CANADA INC.	NASH ROAD AND FOURTH AVENUE/LOT 30/CON 02	C19-073-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH DIRECTIONAL BORING TO INSTALL TWO 75MM CONDUITS
13	CLARINGTON DARLINGTON	ROGERS COMMUNICATIONS CANADA INC.	NASH ROAD, EAST OF COURTICE ROAD/LOT 28/CON 02	C19-074-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH DIRECTIONAL BORE TO INSTALL TWO 75MM CONDUITS
14	OSHAWA	CITY OF OSHAWA/CHISHOLM, FLEMING AND ASSOCIATES	COLUMBUS ROAD BETWEEN WILSON ROAD AND HARMONY ROAD/LOT 06/CON 07	O18-229-B	DEVELOPMENT ACTIVITIES ASSOCIATED WITH REPLACEMENT OF A CULVERT AT COLUMBUS ROAD APPROXIMATELY 110 METERS EAST OF WILSON ROAD IN THE CITY OF OSHAWA
15	OSHAWA	CITY OF OSHAWA/GRECK AND ASSOCIATES LIMITED	BRITANNIA AVENUE, 55M FROM PINDAR CRESCENT/LOT 10/CON 05	O19-010-A	IN STREAM CHANNEL WORKS TO CONTROL ONGOING EROSION WITHIN APPROXIMATELY 75 METERS OF THE OSHAWA CREEK EAST BRANCH, INCLUDING STABILIZATION OF BANKS, AND INSTALLATION OF VEGETATED STONE REVETMENTS, IN ASSOCIATION WITH THE BRITANNIA AVENUE EAST BRIDGE CROSSING
16	OSHAWA	PROPERTY OWNER/HANCOCK ENGINEERING SERVICES INC	4490 THORNTON ROAD NORTH/LOT 17/CON 08	O19-028-B	THIS PERMIT AUTHORIZES THE PREVIOUSLY CONSTRUCTED GAZEBO, WHICH WAS CONSTRUCTED WITHOUT APPROVAL. MODIFICATIONS TO EXISTING STRUCTURE REQUIRED STRUCTURAL REINFORCEMENTS

17	OSHAWA	PROPERTY OWNER	1181 SALMERS DRIVE/LOT 02/CON 04	O19-060-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH CONSTRUCTION OF A POOL AND ASSOCIATED LANDSCAPING
18	OSHAWA	ROGERS COMMUNICATIONS CANADA INC.	WINDFIELDS FARM DRIVE WEST OF BRIDLE ROAD SOUTH/LOT 11/CON 05	O19-065-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH DIRECTIONAL BORE 1-75MM CONDUIT
19	OSHAWA	ENBRIDGE GAS INC.	1089 NELSON STREET/LOT 07/BFC	O19-066-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH PROPOSED NPS 4 ST YJ HP GAS SERVICE INSTALLATION
20	PICKERING	PROPERTY OWNER/BONAVISTA POOLS LTD.	3435 AUDLEY ROAD/LOT 02/CON 05	P19-056-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH AN IN-GROUND SWIMMING POOL
21	WHITBY	NORDIK IMMOBILIER CHELSEA INC./GHD	4015 COCHRANE STREET/LOT 28/CON 04	W19-040-GFHA	DEVELOPMENT ACTIVITIES ASSOCIATED WITH THE REHABILITATION OF A STORMWATER OUTFALL
22	WHITBY	TOWN OF WHITBY/GEO MORPHIX LTD.	LOT 24/CON 02	W19-049-FR	DEVELOPMENT ACTIVITIES ASSOCIATED WITH STRUCTURAL REPAIRS AND MODIFICATIONS TO TWO PEDESTRIAN BRIDGES CROSSING CORBETT AND PRINGLE CREEKS
23	WHITBY	PROPERTY OWNER/ACCUBUILT CONSTRUCTION LTD.	124 RAGLAN STREET/LOT 30/CON 02	W19-061-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH PROPOSED MAIN FLOOR ADDITION AND ACCESSORY DETACHED STRUCTURE
24	WHITBY	TRANSCONTINENTAL	201 SOUTH BLAIR STREET/LOT 24/BFC	W19-064-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH THE BUILDING ADDITON
25	WHITBY	PROPERTY OWNER	30 RESOLUTE CRESCENT/LOT 30/CON 02	W19-078-GBH	DEVELOPMENT ACTIVITIES ASSOCIATED WITH THE DEMOLITION OF AN EXISTING DECK AND THE CONSTRUCTION OF A NEW DECK

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: LALP1
S.R.: 5650-19
TO: Chair and Members, CLOCA Board of Directors
FROM: Jamie Davidson, Conservation Areas Coordinator
 Heather Brooks, Director Watershed Planning and Natural Heritage
SUBJECT: **Conservation Lands Master Plan Project: Public and Stakeholder Consultation and Engagement Results**

APPROVED BY C.A.O. 

Background

In May 2019, the CLOCA Board of Directors received Staff Report #5635-19, which provided a general update on the progress of the Conservation Lands Master Plan (CLMP) project, and highlighted a number of major milestones that had been achieved to date with the project; some of which included completion of community consultation and engagement activities. A suite of consultation methods were used including a widely distributed and very successful public survey campaign. A total of 517 surveys were completed, which exceeds the number of responses (500) often targeted during Durham Region master planning exercises as providing a reasonable representation of the views and opinions of the broader population. A well-attended community stakeholder consultation and engagement session was conducted in Heritage Hall at Purple Woods Conservation Area, and three public information and learning sessions were held across the CLOCA jurisdiction were also held as part of the engagement process. This suite of consultation and engagement methods generated input from a range of people including valued conservation area visitors, and residents that have limited or no awareness of CLOCA.

Through all forms of engagement, some consistent themes appeared. This report provides a brief introduction to these themes and highlights some of the interesting results. Attachment 1 to the report provides more detail on the results of the survey and engagement exercises and offers some initial analysis and recommendations. Overall, the results of this engagement effort offers important insight with respect to the community's understanding of the role, responsibility and the services that CLOCA delivers.

Common Themes from CLMP Community Consultation and Engagement

As mentioned, the consultation and engagement activities generated input from a wide range of individuals with diverse backgrounds and varying interests in greenspace and conservation land management. Despite this diversity, a number of common themes emerged:

- **Natural Resource Protection through Ownership, Improved Connectivity and CLOCA'S Leadership is Valued:**
 - CLOCA is seen as a regional leader in natural resource protection and restoration;
 - protecting greenspace is extremely important;
 - acquisition of additional conservation lands is a top priority;
 - strengthen the greenspace system by establishing greater connectivity (ex. between wildlife habitats, sensitive natural features, recreation, etc.), and
 - CLOCA should be the regional leader in the planning, protection and management of conservation lands for the benefit of climate change resiliency, watershed and community health, and individual mental and physical health.

- **Natural Areas are Important in Achieving Healthy Communities**
 - conservation lands play a critical role in maintaining broader community health (watershed/ecological health, human mental health, and human physical health) – this in turn contributes to vibrant, liveable, and complete communities.
- **Environmental Education/Literacy and Equitable Access are Desired**
 - conservation lands provide incredible forums for environmental education;
 - special events and guided activities within the conservation lands are highly sought after by the community;
 - public access to conservation lands must be preserved and more broadly distributed across the jurisdiction to accommodate a wide range of community needs; and
 - public access needs to be properly balanced and controlled so that sensitive natural features are protected.
- **Quality Facilities = Quality Experiences**
 - diverse trail networks, well maintained infrastructure and facilities, and “natural / wild” settings (i.e. not manicured) provide visitors with quality experiences.
- **Importance of Fostering Partnerships**
 - conservation lands and greenspace management must occur in partnership with the broader community (government, NGOs, community groups, and individual community members), improving the return on investment in these community assets.
- **Communication and Marketing Builds Support**
 - increasing awareness will increase community knowledge, and build future support. CLOCA could do more to promote itself and the work it does with its conservation lands.

These themes are consistent with CLOCA’s Strategic Plan to Communicate, Educate and Inspire; be Leaders in Integrated Watershed Management; to Operate Responsibly and Sustainably; to Collaborate and Partner; and to Advance Watershed Science and Knowledge; reaffirming that CLOCA’s conservation land program is an integral component in achieving CLOCA’s vision and mission.

Meaningful Survey Results

The following are some survey results that will inform the development of the CLMP, and provide interesting insights for other CLOCA programs and for our watershed partners.

- **94% of respondents stated that protecting greenspace and conservation lands for the future was extremely important**
- **97% of respondents expressed strong support for CLOCA to continue to protect greenspace through land acquisition**
- **69% of respondents felt that conservation lands play a very important role in maintaining watershed health**
- **“Connecting with nature” was the highest ranked experience that respondents were looking for when visiting a conservation area (over 63%), with relaxation (47%), and exercise (44%) as the next highest priorities**
- **52% of respondents placed a higher importance on the role that conservation lands play in maintaining their mental health, compared to maintaining their physical health (47%)**

- **96%** of conservation area visitors prefer accessing the conservation areas during the **summer months**, but **over 60%** of respondents **also visit during the spring and fall seasons**
- **Overwhelming, visiting conservation lands is a local experience.** Close to 73% of survey respondents who have visited a CLOCA conservation area do not visit conservation areas outside the CLOCA watershed, while those who do (27%) mainly listed other conservation areas within Durham Region.
- Just **over 26%** of respondents stated that they **were not familiar** at all **with CLOCA's mandate, or that CLOCA owns and manages conservation land** in Durham Region; **however, many of these same people reported that they have visited CLOCA conservation areas** on a semi or regular basis.

These survey results bring to light the significant level to which residents value natural areas and the need to continue to protect these areas. Survey results also provided excellent information regarding when people use our areas and for what purpose, including showing a strong correlation between the use of these areas for reducing stress and improving mental health.

Conclusion

The consultation and engagement work completed for the CLMP generated strong public opinion, a range of very specific feedback with regards to the future management of CLOCA's conservation lands, and some significant high level themes that were viewed as being consistently important to the broader community. This information will feature prominently in the development of the final Conservation Lands Master Plan.

RECOMMENDATION:

THAT Staff Report 5650-19 be received for information.

Attach.

KEY RESULTS FROM THE PUBLIC SURVEY AND COMMUNITY ENGAGEMENT ACTIVITIES

The results and feedback received from the public survey, and the public and stakeholder consultation and engagement sessions were analyzed independently as part of this exercise. The following provides an overview of how each activity was conducted, and outlines the key results obtained through each activity.

1. Conservation Lands Master Plan Survey

A public survey was carried out across the Central Lake Ontario Conservation Authority (CLOCA) jurisdiction as part of the Conservation Lands Master Plan (CLMP) project. The purpose of the survey was to gauge public opinion, and invite comments on various conservation land and greenspace related topics. The survey was broadly promoted, and a number of methods were used to deliver the survey in order to ensure that the results adequately reflected a wide range of the population, and not just avid visitors to our conservation areas. These methods included:

- Hosting the survey online so that it could be easily accessed by anyone, anywhere using the SurveyMonkey platform
- CLOCA staff hosted pop-up displays at the entrances of all of its active conservation areas and at a number of public festivals and events across the jurisdiction between June and September 2018 to deliver the survey in person, and to provide information about the CLMP project.
- CLOCA staff, with the help of its municipal partners, installed comment boxes in 30 municipal facilities (town halls, arenas, libraries, community and fitness centres, and seniors' centres) across its jurisdiction.

. Key results from the survey include:

- Just over 26% of respondents stated that they were not familiar at all with CLOCA's mandate, or that CLOCA owns and manages conservation land in Durham Region; however, many of these same people reported that they have visited CLOCA conservation areas on a semi or regular basis. This lack of knowledge about CLOCA by over one-quarter of respondents suggests that there is additional work that needs to be done to increase public knowledge of the work being done by CLOCA, particularly at its conservation areas.
- 94% of respondents stated that protecting greenspace and conservation areas for the future was extremely important. Similarly, 97% of respondents expressed strong support in favour of CLOCA continuing to protect key greenspace through land acquisition. This strong public opinion suggests that the resources that CLOCA has put into past and future efforts to acquire, protect and manage conservation lands is well warranted, and is consistent with the views of the community members living within its jurisdiction.
- "Connecting with nature" was the highest ranked experience (over 63%) that respondents were looking for when visiting a conservation area, with relaxation (47%), and exercise (44%) as the next highest priorities. These findings seem to support the growing science that recognizes peoples need to have access to nature for mental health reasons, and not just for the benefits of physical exercise. While family time and finding adventure are still important reasons to visit conservation areas for some, the majority of people visit conservation areas because of the benefits associated with mental and physical health. Future conservation land and engagement programs and services need to be properly aligned with this growing realization.
- Approximately 56% of the respondents visit CLOCA conservation areas on either a weekly or monthly basis. 28% of the respondents only visited a CLOCA conservation area to participate in a special event (ex. Purple Woods Maple Syrup Festival). Information and messaging provided at conservation areas in the future needs to be directed to the weekly and monthly visitor segment. Tailored conservation land messaging also needs to be developed and presented to the special events attendees, as this may be the only opportunity that CLOCA has to connect with this segment of the population and increase their knowledge around the work CLOCA's does around conservation land program and watershed management.
- 96% of conservation area visitors prefer accessing the conservation areas during the summer months, but over 60% of respondents also visit during the spring and fall seasons.
- 69% of respondents felt that conservation areas play a very important role in maintaining watershed health, which suggests that a large majority of visitors to our conservation areas are in tune with the main message

that CLOCA has been promoting about its conservation areas for many years. 52% placed a higher importance on the role that conservation areas play in maintaining their mental health, compared to maintaining their physical health (47%). Conservation authority messaging has historically focused on the important role that conservation lands play in supporting physical health in the community by providing public access to its conservation areas; however, the responses from this survey are in line with a growing body of research that is showing the critical role that proximity to and access into greenspace plays in maintaining personal and community mental health.

- Close to 73% of survey respondents who have visited a CLOCA conservation area reported that they do not visit conservation areas outside the CLOCA watershed, while those who do (27%) mainly listed other areas that were still within the Durham Region. The results suggest that the majority of respondents rely on access to CLOCA conservation areas to meet their greenspace / natural area access needs, while those that do access other greenspaces regularly do not travel very far outside the CLOCA jurisdiction to access these alternative natural spaces. Residents within the CLOCA jurisdiction who are looking for access to greenspace obviously have a high fidelity for conservation areas that are in close proximity to where they live. As a result, the population within the CLOCA jurisdiction is relying heavily on CLOCA conservation areas to satisfy their current and future greenspace needs.
- When asked to provide additional thoughts on how to improve the work CLOCA does with its conservation land program, responses could generally be categorized into Operations related (35%), Natural Resource Protection and Management related (30%), Community Engagement and Communications related (24%), and general positive comments (9%). Future management and project planning should consider and integrate these specific recommendations where possible.
- Respondents were given the opportunity to prioritize where and how CLOCA should be investing in its conservation land program in the future. Significant weight should be given to this priority ranking, as future investments made in line with these recommendations are likely to be well supported by the public, and in turn political representatives. The priority rankings were as follows in descending order:
 1. (77% of respondents) natural resource protection and management (protecting and restoring significant features and functions) should be the first and highest priority for investment in CLOCA's conservation land program area
 2. Acquisition of additional conservation lands
 3. (Tie) Appropriate enforcement of conservation land rules & regulations; natural heritage education and interpretation
 4. outdoor recreation enhancement
 5. infrastructure enhancements

2. Public Consultation and Engagement Sessions

CLOCA hosted 3 public consultation and engagement sessions in the fall of 2018 in the Town of Whitby, the City of Oshawa, and the Municipality of Clarington. During the interactive sessions, attendees from the general public were asked to provide their thoughts on a series of questions, which included suggestions on guiding principles and vision for the CLMP, strengths that currently exist with CLOCA's conservation land program, opportunities for enhancement, and issues that could be addressed in the future. Key results from these public sessions included:

- Guiding Principles/Vision: ensure the amount of conservation land be increased through acquisition, and that regional connectivity between greenspaces be improved; that conservation land be increased and managed with long term horizons in mind to benefit future generations; that conservation lands remain in a natural state; that management include natural restoration and protection of sensitive features; that public access be controlled so that the health of sensitive natural areas is protected; that public access to conservation lands continue to be accommodated across the CLOCA conservation land network.
- Issues: improve promotion and public awareness of the work CLOCA does, and the role that its conservation areas play in maintaining community health; the need for specific facility improvements (ex. washrooms); concerns with specific natural restoration and management issues (ex. invasive species); the amount of CLOCA owned conservation land is not enough considering current and future development

pressure; the need for robust and extensive monitoring on conservation lands and throughout the watersheds.

- Strengths: unique events and engagement opportunities; great trails and related facilities; good strategic planning initiatives that have facilitated good partnerships with other levels of government (ex. Lynde Shores Conservation Area Waterfront Trail connection).
- Opportunities: increase the number of interactive public activities and events; leverage the willingness of community members and groups to act as volunteers for citizen science and management activities, and as trail stewards/ambassadors.

3. Community Stakeholder Consultation and Engagement Session

A well-attended stakeholder consultation and engagement session was held at the end of November 2018 in the Purple Woods Conservation Area Heritage Hall. The attendees represented a wide range of community organizations with a connection to the CLOCA jurisdiction, including indigenous representatives, local and regional municipal councillors, staff and advisory committee members, school boards, non-governmental organizations, community groups, industry associations (ex. land developers and aggregate producers), agricultural and residential tenants of conservation lands, and academic institutions among others. Like with the public sessions, stakeholders were led through a series of facilitated brain-storming sessions that focused on the same specific questions, which included suggestions on guiding principles and vision for the CLMP, strengths that currently exist with CLOCA's conservation lands program, opportunities for enhancement, and issues that could be addressed in the future. Key results from this stakeholder session included:

- Guiding Principles/Vision: that conservation lands and greenspace management must occur in partnership with the broader community (government, NGOs, community groups, and individual community members; that greater connectivity (ex. between wildlife habitats, sensitive natural features, recreation, tourism...) will strengthen the whole greenspace system in a wide range of ways; that equitable access to conservation lands be considered throughout future planning work; that public access to conservation lands is an important part of a healthy, liveable community; that conservation lands provide incredible forums for environmental education; that CLOCA should aim to be the regional leader in the protection and management of conservation lands for the benefit of climate change resiliency, watershed and community health, and individual mental and physical health.
- Issues: that specific facility, trail, and signage issues can degrade overall experience when visiting certain conservation areas; user group conflicts can create safety and liability issues (ex. dogs off leash, speed on trails); CLOCA's extensive datasets for its lands and other greenspace are not well leveraged or made publicly available; passive and active recreation definitions need to be better defined for conservation lands, and management guidelines reflecting these definitions need to be developed; concerns over CLOCA's capacity to manage current and future natural heritage restoration needs considering current funding frameworks (ex. invasive species); limited promotion and marketing of CLOCA organization and its conservation lands to public, which limits public awareness and support; limited promotion of the important relationship between natural greenspace and mental and physical health; a deficit in the amount of greenspace currently owned by CLOCA, the need to acquire additional lands, and the limited financial supports currently in place to adequately manage newly acquired lands.
- Strengths: CLOCA staff was seen as a significant strength (responsive, professional, local experts, creative, and seen as leaders in the conservation community); a range of public events that engage community members (more needed).
- Opportunities: Increasing regional greenspace connectivity and establishing important nodes; conservation lands provide lots of opportunities to improve on educations, outreach, communication, engagement, community volunteering, and community group partnerships; enhancements to specific facilities, adjusting operational practices, and utilizing new management techniques could generate significant added value to the conservation lands where appropriate; enhancing/broadening existing partnerships with municipalities around greenspace management; tapping into corporate partnerships for new funding streams; acquisition of additional conservation lands will help to support future watershed health, increase regional resilience to climate change; conservation lands provide a forum to build on indigenous relationships.

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: HREM1
S.R.: 5652-19
MEMO TO: Chair and Members, CLOCA Board of Directors
FROM: Diana Shermet, Terrestrial Biologist
 Heather Brooks, Director, Watershed Planning & Natural Heritage
SUBJECT: **Natural Heritage Restoration Prioritization Model**

APPROVED BY C.A.O. 

Background

With a large jurisdiction having a variety of significant natural areas and features and the continuation of threats placing pressures on the natural heritage system, it is imperative that CLOCA address restoration in a strategic and holistic approach. To that end, CLOCA has developed a Natural Heritage Restoration Prioritization model that will guide the decision-making process for determining where to implement restoration on the landscape. This model will enable CLOCA to approach restoration proactively, targeting areas that would benefit most from restoration.

The Model

CLOCA staff have consulted other conservation authorities in the development of the model. Peer reviewed literature was also consulted to support the methodology. The model uses a catchment-based approach that considers both the terrestrial and aquatic conditions, focusing on the ecological conditions of the landscape.

The Natural Heritage Restoration Prioritization model identifies priority areas for restoration, using a standardized, repeatable approach from which projects can be developed that will lead to the critical enhancement of ecosystem function of natural features within the CLOCA jurisdiction. Taking into consideration existing conditions of the landscape and combining CLOCA's Watershed Action Plan methodologies and ecological datasets into one cohesive product, the model identifies areas that would benefit most from restoration.

The model has been developed in three phases. The first phase utilizes several of CLOCA's watershed action plan methodologies, data sets, and GIS layers to determine the condition of the natural system within each catchment. Using this information, the second phase identifies priority catchments to focus restoration efforts. The third and final phase is the development of a web-based mapping application that combines the results of the first and second phase. This enables the user to review the priority catchments and assess catchment-scale existing conditions on one interface. The model has been tested on the Black, Soper and Bowmanville Creek watersheds and will be expanded to the entire CLOCA jurisdiction by September 2019. Details regarding the model is contained in Attachment 1 of this report.

Discussion

Prioritization of catchments for restoration was based on the principle of growing the areas in CLOCA's jurisdiction that have high ecological quality. Taking this approach helps to enhance the quality of these catchments, supporting significant habitat areas and biodiversity. While this model identifies locations based on

FILE: HREM1
S.R.: 5652-19

June 18, 2019

a holistic ecological approach, it is not meant to restrict where restoration can occur if opportunities arise. It is important to supplement the natural heritage restoration prioritization model with expert judgement and sound program planning to allow for successful restoration outcomes. It is this additional information and detailed site level investigation that will identify specific restoration projects at a selected location.

Development of the Natural Heritage Restoration Prioritization model implements a number of CLOCA's Strategic Plan goals and actions. Specifically:

- the model identifies restoration efforts that support the enhancement and resiliency of natural features within CLOCA's jurisdiction;
- the model is based upon well-founded science resulting in a greater impact on restoration investment;
- the model will be shared with community members to encourage stewardship in areas that would benefit most from restoration

This model is but one tool in the tool box that can be utilized by CLOCA, municipal partners and its various non-profit partners involved in restoration. It will support CLOCA's efforts to approach restoration proactively, targeting areas that would benefit most from restoration. Implementation of the Natural Heritage Restoration Prioritization Model will significantly assist CLOCA's efforts in improving watershed health and climate resiliency.

RECOMMENDATION:

THAT Staff Report #5652-19 be received and the Restoration Prioritization Model approved.

Attach.



Natural Heritage Restoration Prioritization Model

A METHODOLOGY

WATERSHED PLANNING & NATURAL HERITAGE

JUNE 2019

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Introduction

CLOCA has a large jurisdiction consisting of over 639 km², with a variety of significant natural areas and features. Presently, many of CLOCA's 4 major and 18 minor watersheds are not meeting the minimum targets for watershed health as a result of significant existing and future development pressures, invasive species, climate change and a historical legacy of impacts. In addition, with limited financial and staff resources to undertake restoration, CLOCA needs to be strategic about where to invest in restoration to ensure we receive the greatest ecological return. The Natural Heritage Restoration Prioritization model helps us overcome this financial and ecological challenge. The model uses the existing conditions of the landscape to determine what areas would benefit most from restoration, which is an important and often overlooked component to restoration success (Wickham, et al, 2017). The model will satisfy the first step of the *Conservation and Restoration Planning Framework* (CLOCA, 2019) and will help guide the decision-making process for determining where to implement restoration on the landscape. It identifies priority areas for restoration, using a standardized, repeatable approach from which projects can be developed that will lead to the critical enhancement of ecosystem function of natural features within the CLOCA jurisdiction. The model combines CLOCA's Watershed Action Plan methodologies and ecological datasets into one cohesive product and summarizes the results at the 30 hectare (ha) catchment scale. Prioritization of catchments for restoration was based on the principle of growing the areas in CLOCA's jurisdiction that have high ecological quality. In doing so, an emphasis has been placed on expanding overall habitat, improving habitat connectivity and protecting CLOCA's headwaters.

This model will enable CLOCA to approach restoration proactively, targeting areas that would benefit most from restoration. It is recognized that restoration is often opportunistic and this model will identify locations based on a holistic ecological approach; but it is not meant to restrict where restoration can occur if opportunities arise, nor will it identify specific restoration projects at the site level. It is one tool in the tool box that can be utilized by CLOCA, municipal partners and its various non-profit partners involved in restoration. It is important to supplement the natural heritage restoration prioritization model with expert judgement, sound program planning and project management to allow for successful restoration outcomes.

The document below identifies the methodology for developing the Natural Heritage Restoration Prioritization model for the Black, Bowmanville and Soper creek watersheds. It is intended to be a living document that will be updated as necessary to reflect new implementation strategies, latest datasets and new information as acquired. The methodology was first tested on the Black, Bowmanville and Soper Creek watersheds before being extended to cover CLOCA's full jurisdiction.

Methodology

The Natural Heritage Restoration Prioritization model has been developed in three phases and the detailed methodology is provided below. The first phase utilizes several of CLOCA's existing watershed action plan methodologies, data sets, and GIS layers to create a map of existing conditions. The second phase prioritizes catchments from the existing conditions dataset to identify priority catchments to focus restoration efforts. The third and final phase is the development of an online mapping tool that combines the existing conditions and priority catchments to enable the user to review the priority catchments and assess catchment-scale conditions. If the user needs to go beyond the priority

catchments, the existing conditions data can be refined to address a user's specific objectives and queries.

Phase I: Existing Conditions

Each watershed in CLOCA's jurisdiction was broken down into 30 ha catchments. This allows for catchments to be aggregated up to a coarser resolution, while also providing manageable sized areas to allow for appropriate assessment and engagement opportunities (Wickham, et al, 2017; TRCA, 2015). To determine the existing conditions for each catchment, three categories were created to describe the natural systems: Natural Cover; Natural Heritage Connectivity, and Aquatic conditions. Each category was then assigned with multiple metrics that represent a measurable attribute reflective of the ecological condition (Table 1). Metrics were scored as a percentage between 0-100, where data was available and averaged within catchments. The final existing conditions provides a combined score out of 100 for each 30 ha catchment. Higher scoring catchments are considered least impaired, while lower scoring catchments are considered most impaired.

CLOCA has robust datasets that have been used to characterize existing conditions. Spatial data is available for wetland and terrestrial cover in the form of aerial photography and Ecological Land Classification (ELC) mapping (Lee, et al, 1998); CLOCA's ELC layer was last updated using 2017 aerial orthophotography. In addition to this, three watershed action plans have been developed that identify potential restoration opportunities spatially across the jurisdiction. These action plans are the Wildlife Corridor Protection & Enhancement Plan (CLOCA, 2015), In-stream Barrier Action Plan (CLOCA, 2017), and the Riparian Corridors Restoration Plan (CLOCA, 2017). To prevent any duplication of effort, the same methodologies and datasets that were used to develop the action plans and identify restoration opportunities have been used as metrics for their associated natural system category. In addition to this, CLOCA used existing aquatic monitoring data to support the metrics for the aquatic conditions category.

Natural System Category	Metric	Measure
Natural Cover	Terrestrial cover	Percent cover of specified community types
	Wetland cover	Percent cover of specified community types
Natural Heritage Connectivity	Wildlife Habitat Corridor (WHC)	Percent of vegetated WHC that exists within the total WHC
	Riparian Corridor	Percent of stream length with adequate riparian corridor
Aquatic Conditions	Golden Horseshoe Fish Index	Multi-metric tool characterizing stream health based on fish community composition
	Barriers	Quantitative scoring of known barriers obstructing or limiting aquatic connectivity and stream hydrology and function
	In-stream temperature	Percent of time a stream reach was considered cold water

Table 1: Natural System categories and associated metrics

Natural Cover

Natural cover refers to natural features on the landscape, including forest, wetland, successional and beach bluff communities as defined by Ecological Land Classification (Lee, et al., 1998) and is represented as a score out of 100. Natural cover has been separated into two metrics; terrestrial cover and wetland cover. The calculations completed for each metric are mutually exclusive to reduce any overlap, therefore the sum of terrestrial and wetland cover is the total natural cover per catchment.

Terrestrial Cover

CLOCA's ELC data for forest and successional habitat types was used to calculate the percent cover for each 30 ha catchment. Community types used include forests (coniferous, deciduous and mixed) and cultural communities (plantation, meadow, thicket, savannah and woodland).

Wetland Cover

Wetland cover uses CLOCA's ELC data for wetland community types. Wetland communities included in this metric include: fens (open, shrub and treed), bogs (open, shrub and treed), marsh (meadow and shallow), shallow aquatic (submerged, mixed and floating), swamps (coniferous, mixed, deciduous and thicket) and open water aquatic. Similar to terrestrial cover, this metric is calculated as percent cover for each 30 ha catchment.

Natural Heritage Connectivity

Natural heritage connectivity includes both riparian and wildlife habitat corridors. Both metrics play important functions on the landscape. Wildlife habitat corridors are a necessity for wildlife, as they often require more than one habitat type to complete their life cycle. Riparian corridors play a significant role in improving and maintaining water quality, water temperature, fish habitat and diversity; they also provide connectivity across the landscape. These metrics are scored individually as a percentage out of 100 for each 30 ha catchment and are combined into the final catchment score.

Riparian Corridor

Adequate riparian corridor is defined as 30 m of vegetation extending perpendicular from each side of a watercourse. This metric uses the methodology identified in CLOCA's Riparian Corridors Restoration Plan (2017). Areas with 30 m riparian vegetation on both sides of the stream were mapped and calculated. The percent of adequate riparian corridor was calculated as a function of the total stream length for each 30 ha catchment. Figure 1 shows a catchment with adequate riparian along 33% of the stream length (shown in red); the riparian corridor score for this catchment is 33%.

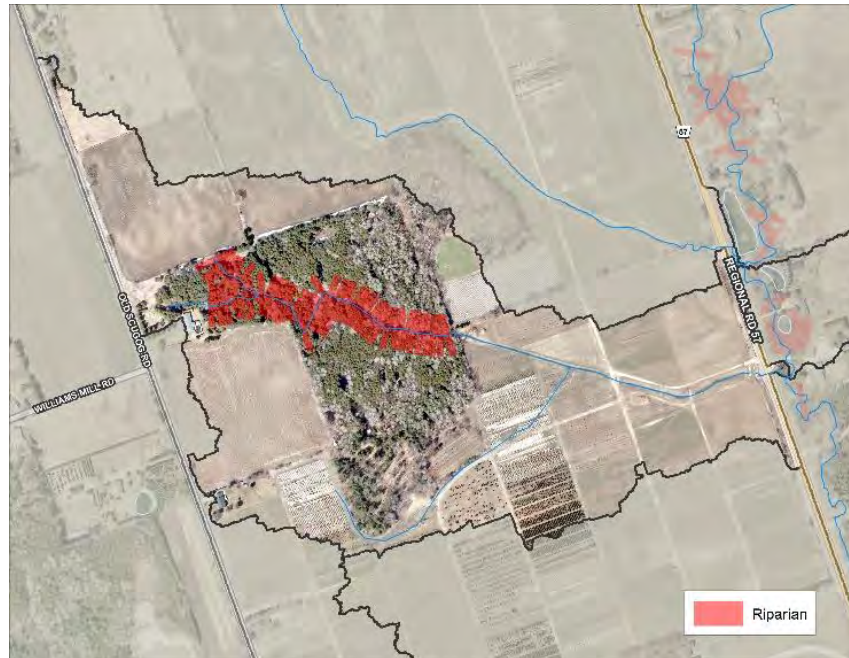


Figure 1: Riparian Calculation Example

Wildlife Habitat Corridor

This metric uses the methodology defined in CLOCA's Wildlife Corridor Protection & Enhancement Plan (2015) which identifies a series of corridors connecting key wildlife habitat areas within CLOCA's jurisdiction. This series of corridors includes existing and potential corridors (potential corridors are areas that require restoration) and together they are the wildlife habitat corridor (WHC) used in this model. Local corridors are defined as minor pathways within watersheds connecting secondary habitats to the overall Wildlife Habitat Network with a recommended width of 60 m. Landscape corridors are major pathways within watersheds connecting core habitat areas, with a recommended width of 100 m. Regional corridors are major pathways between watersheds and have not been included in this metric.

Catchment score is based on the percent of existing wildlife habitat corridor within the total wildlife habitat corridor of each catchment. Figure 2 below provides an example of the WHC calculation; this catchment scored 29% for WHC because that is the existing (vegetated) wildlife corridor present (shown in orange), leaving approximately 71% available for restoration. Some catchments may not have WHC identified within it, and as a result receive a "null" value and this criteria is not calculated in the final score.

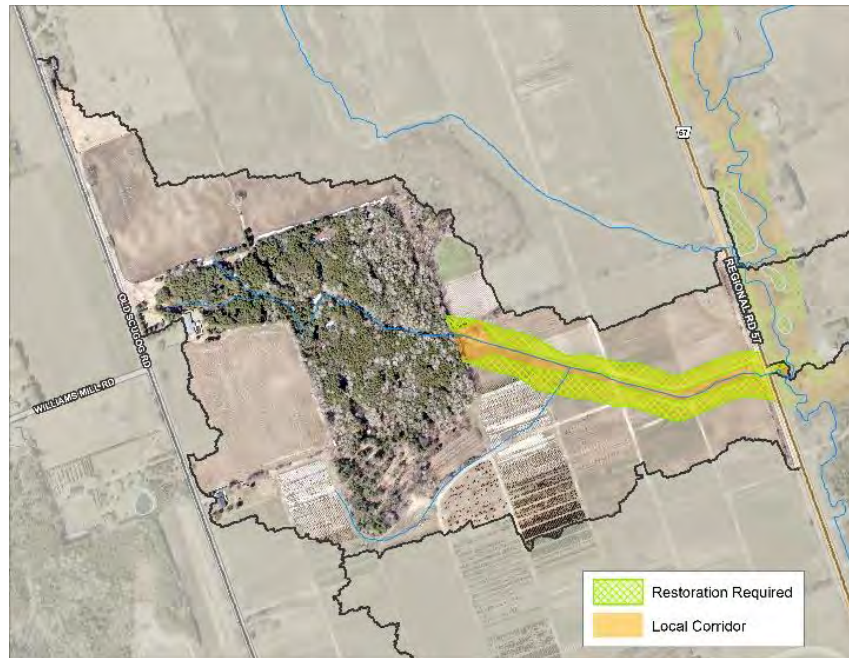


Figure 2: Wildlife Habitat Corridor Calculation Example

Aquatic Conditions

Three metrics are used to represent aquatic conditions; Golden Horseshoe Fish Index, Barriers, and In-stream temperature. These metrics are scored individually for each 30 ha catchment and are combined into the final catchment score.

Golden Horseshoe Fish Index

CLOCA has been collecting fisheries data for over twenty years across the jurisdiction. Due to limitations around landowner access, habitat conditions (e.g. non-wadable sections) and availability (e.g. intermittent streams) the fisheries data does not cover all 30 ha catchments.

For this reason, only catchments with fisheries data points were scored. Catchments lacking data resulted in “null” value, and this criteria was not averaged in the final existing conditions score.

Catchment scores use the Golden Horseshoe Fish Index (GHFI) to determine stream condition based on the fish community composition. Catchments with multiple data points or years of data were averaged.

Barriers

The In-stream Barrier Action Plan (2017) identified 72 known barriers. This was not an exhaustive list as access to some barriers is restricted or limited and evaluation of all culverts across the jurisdiction assessing fish passage has not been completed. Within this action plan five categories were looked at to determine the priority score for each barrier, four were quantitative and one was qualitative.

The four quantitative categories are: quality of biotic life; extent of barrier; quantity of habitat; and quality of habitat. The qualitative category questions whether there are other considerations for removal (e.g. invasive species or sensitive species (e.g. Brook Trout) partition). The in-stream barrier action plan ranks highest scoring barriers as priority for removal. The scoring has been reversed to suit the needs and methodology of this model. Barriers that are a priority for removal score lower, thus bringing down the total score of the catchment.

Similar to fish scores, data was not available for all 30 ha catchments. For this reason, any catchment lacking data resulted in “null” values and this criteria was not tallied in the final prioritization score. Most 30 ha catchments do not have more than one barrier; however, in the rare case of multiple barriers the barrier with the highest score (maximum) represented the score for the catchment.

In-stream temperature

Thermal data from CLOCA’s in-stream temperature loggers was used to determine the percent of time a stream reach was considered cold water (19°C and below) during summer months (July and August). Temperature data from each logger was used to characterize the reach upstream of that point to the next logger or to the end of the stream length. In cases where there were multiple reaches with different temperatures in a catchment, the average temperature was taken relative to stream length.

Final Score: Existing Conditions

Once all the calculations were run for each metric, the scores were averaged per catchment. Higher scoring catchments are considered the least impaired, while lower scoring catchments are more impaired. The map below shows the total score for existing conditions.

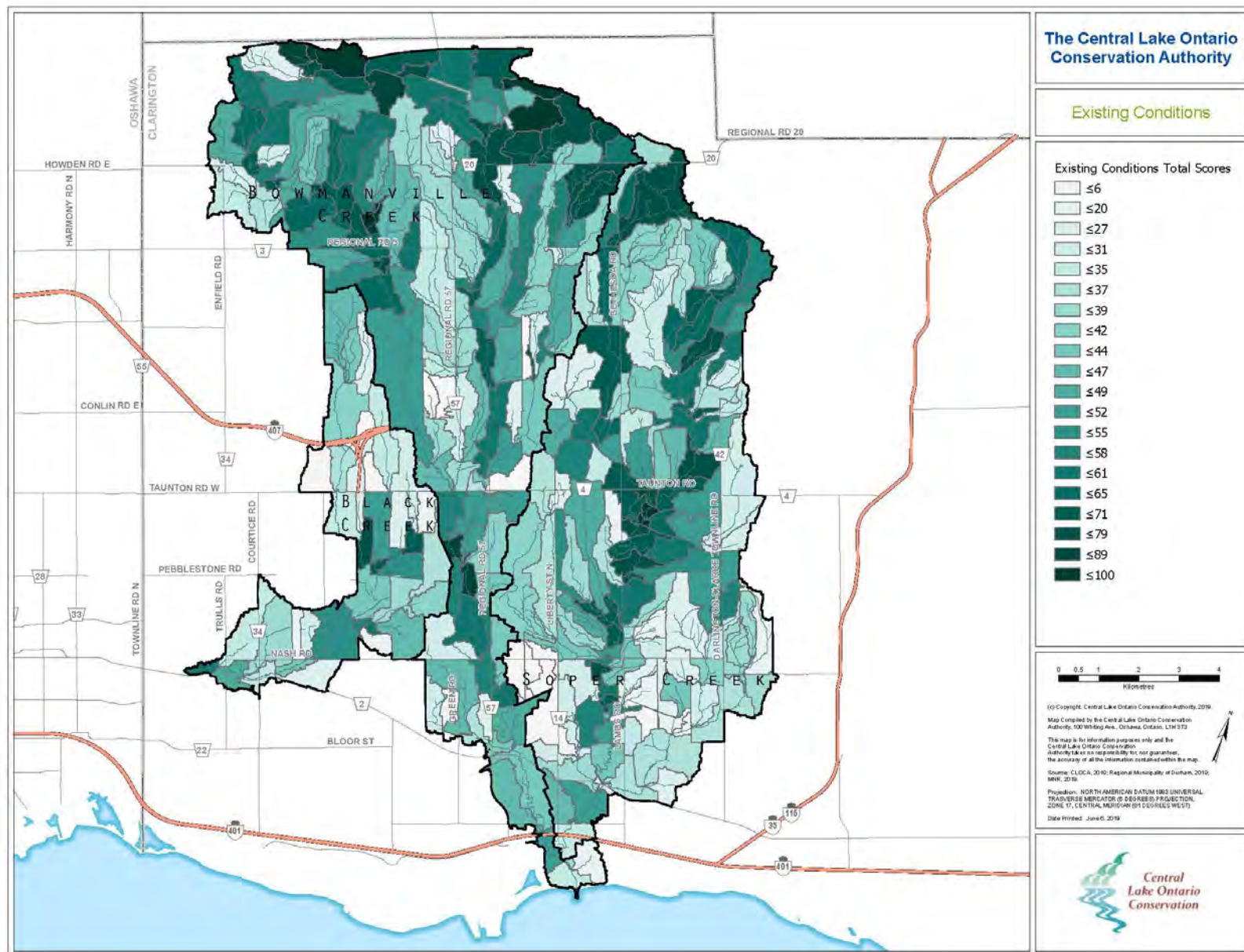
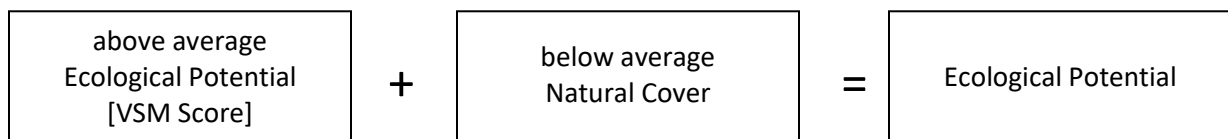


Figure 3: Total Score for Existing Conditions at a 30 ha catchment scale for the Bowmanville, Soper and Black creek watersheds

Phase II: Prioritizing Catchments

The Natural Heritage Restoration Prioritization model focuses on the ecological components of the catchments. CLOCA's prioritization rationale aims to increase size, cover and connectivity of natural features within its jurisdiction while also aiming to reduce the impacts of threats and stressors placed on these features. This approach will be applied on a spatial scale, targeting catchments adjacent to least impaired catchments for restoration. Taking this approach will help to enhance the quality of these catchments, supporting significant habitat areas and biodiversity.

To identify CLOCA's priority catchments, TRCA's Integrated Restoration Prioritization (2015) ecological potential metric was adapted for CLOCA's watersheds. This metric was created using CLOCA's value surface model (VSM) and average natural cover calculations. The VSM is a raster layer that scores each 10mx10m grid cell based on 15 criteria (CLOCA, 2010). The VSM was used to quantify the ecological value (TRCA, 2015) at the catchment scale and represents the protection and restoration values of the entire landscape (CLOCA, 2010). A high VSM score represents a higher quality area, a lower VSM represents a lower quality area.



Ecological potential identifies catchments that have above average ecological value (VSM), and below average natural cover. This was calculated by comparing catchment averages to watershed averages. Therefore, if a catchments VSM score was greater than the watershed VSM score, and the catchment natural cover was below the watershed natural cover average, the catchment is said to have ecological potential, Figure 4 (TRCA, 2015). For example, an area with high ecological value, but low natural cover would be seen as an area with ecological potential and would benefit from restoration since it already has a solid ecological foundation that can be improved upon by increasing natural cover.

To rank CLOCA's priority catchments, each catchment with ecological potential was given a score based on the average existing conditions score of all catchments adjacent to it. Therefore, CLOCA catchments with highest priority are those with ecological potential adjacent to catchments that are least impaired. These priority catchments have been displayed below, represented in three categories: high priority, medium priority and low priority (Figure 5).

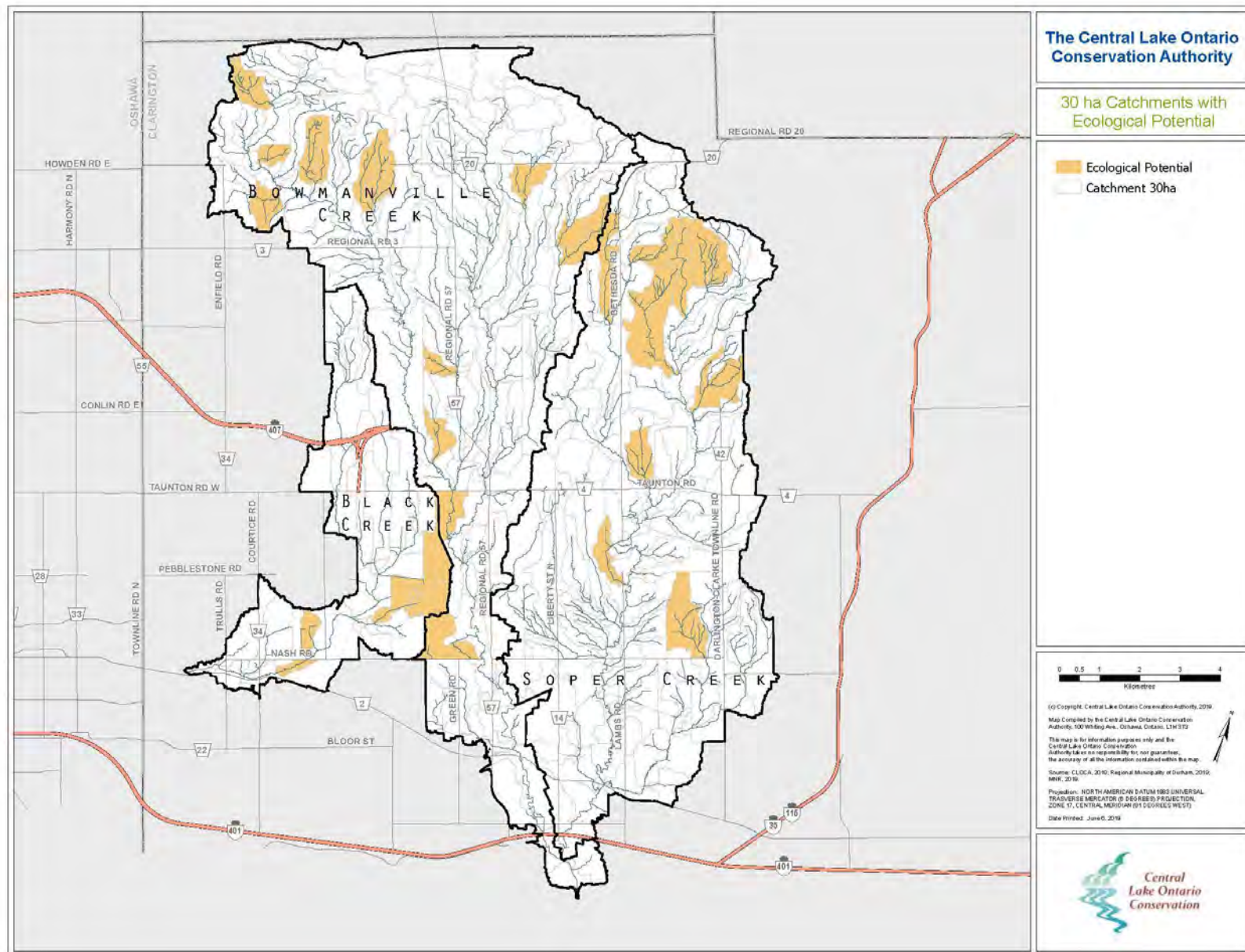


Figure 4: 30 ha catchments with ecological potential for the Bowmanville, Soper and Black creek watersheds

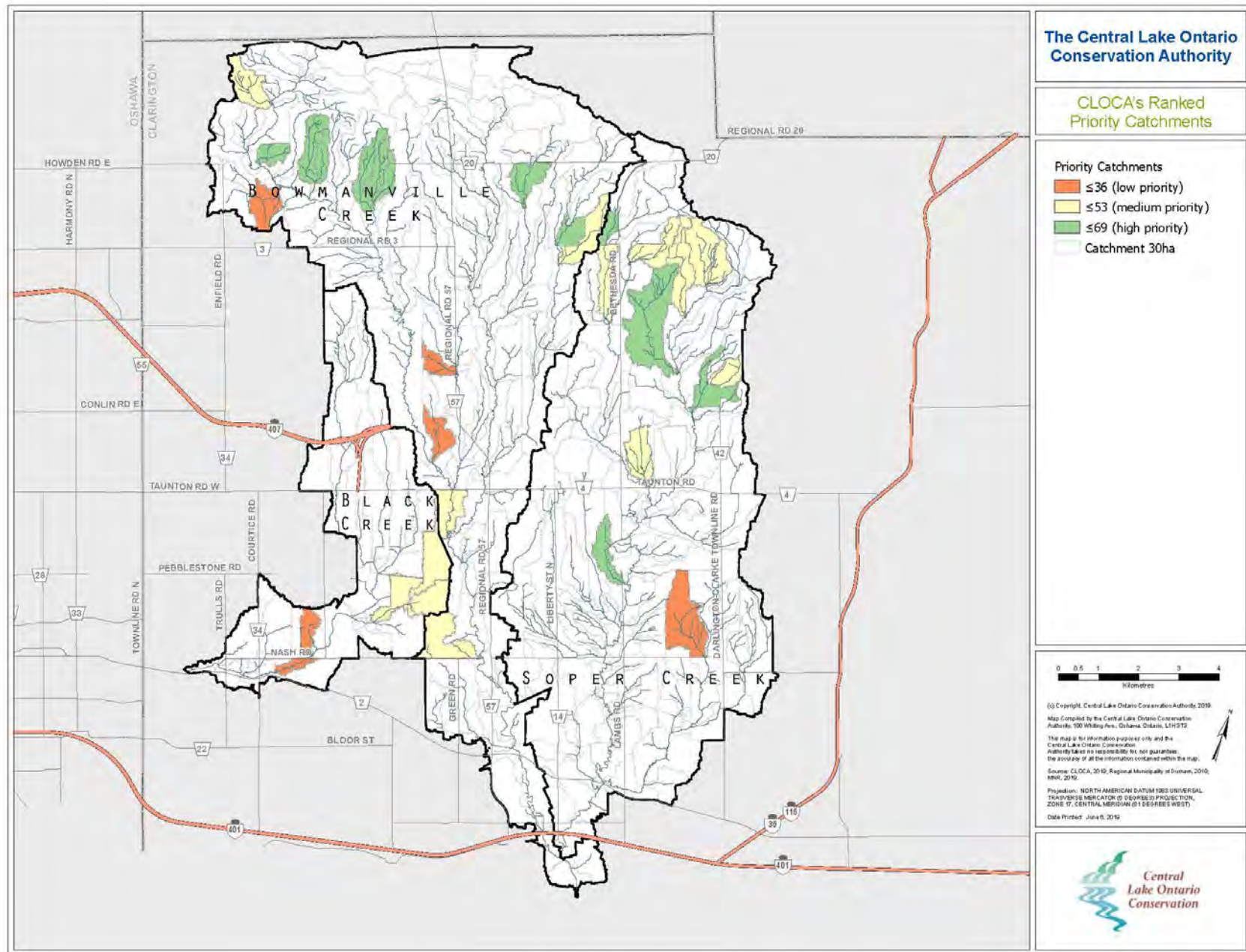


Figure 5: CLOCA's ranked priority catchments for the Bowmanville, Soper and Black creek watersheds

Phase III: Restoration Prioritization Web Application

The last component of the Natural Heritage Restoration Prioritization model takes all existing data, priority catchments and additional data layers and puts them into one web-based product that can be used to help guide restoration initiatives.

This product is a web-based application where users can apply queries, add and remove layers and mark up maps to assist in the restoration planning phase. The application has been developed for the Bowmanville, Soper and Black creek watershed pilot project. Upon completion of the full model, the application will be created for the entire CLOCA jurisdiction.

Layers included in the initial web-based application include:

- Priority Catchments
- Existing Conditions - Total Score
 - Terrestrial Cover
 - Wetland Cover
 - Riparian corridors
 - Wildlife Habitat Corridor
 - Golden Horseshoe Fish Index
 - Barriers
 - In-stream Temperature
- Base data for metrics
 - Wildlife Habitat Corridor mapping
 - Wildlife passage point data
 - Barrier point data
- NHS Targeted layer
- Percent Imperviousness
- Landownership data
 - CA land holdings
 - Public Lands (excluding CA lands)
 - Private lands

Assumptions & Limitations

Through the development of this model, it was identified that there are some basic assumptions made and inherent limitations. These assumptions and limitations are stated below and accepted as part of the development process. The level of risk these assumptions and limitations represented were deemed acceptable, as the associated data was important enough to be included as part of this model.

Natural Cover

The natural cover category has two metrics to represent it, wetlands and terrestrial habitats. Due to anthropogenic influences, their quantity and distribution across the landscape continues to decline. In addition, not all vegetation communities are equally represented across the landscape as a result of the variations in natural geology and hydrology within the CLOCA jurisdiction. As such these two metrics have a lower average score and standard deviation compared to metrics within the other natural

systems categories. Due to these variations in quantity and distribution, expertise from technical staff will be required to identify what restoration should occur within each priority catchment.

Ecological Potential

CLOCA's focus for determining existing conditions and prioritizing catchments has been driven predominantly by ecological factors (natural systems categories). The VSM used to calculate ecological potential relies on CLOCA's GIS and spatial data, it also takes into account certain socio/political attributes. These attributes include proximity to a provincially significant wetland (PSW), areas of natural and scientific interest (ANSI), environmentally sensitive area (ESAs), Generic Regulation areas, CLOCA owned conservation lands, Oak Ridges Moraine (ORM) and Greenbelt designated lands. While these attributes are not negative, it was determined that CLOCA's focus should be on identifying all the biologically significant elements first, with as little socio/political influence as possible. Despite this, it was decided to use the VSM in its entirety instead of removing socio-political components. Ecological potential is the only criteria that includes socio/political attributes, and the influence on the overall results of the model are low.

Null Values

The model has assigned null values to specific metrics where data does not exist in some catchments. Nulls do not equate to poor data sets or metric choices but occur as a result of a few circumstances. Due to the smaller catchment area (30 ha) being used for this modeling exercise there is not always data collected for certain metrics within some catchments which may result in nulls. Monitoring and data collection efforts are distributed across the CLOCA jurisdiction based on value and resources, which means that data is not collected for every part of the watershed. This provides CLOCA the opportunity to enhance our datasets in areas where data for certain metrics are lacking. In addition, nulls may also be assigned to a certain catchment because the feature does not exist or was not identified in that catchment through other planning exercises. An example of this is the Wildlife Habitat Corridor (WHC) (identified in part through desktop exercises) and in-stream barriers (limited access to private property may limit the identification of all barriers). While the Natural Heritage Restoration Prioritization Model may not identify any opportunities for WHC or in-stream barrier restoration in a particular catchment based on the available data, technical expertise will be used to identify other potential restoration opportunities that can be pursued within the catchment and adjacent catchments.

Case Studies

Case study 1

The catchment highlighted below (Figure 6) scored as high priority for restoration. Looking at the individual scores, this catchment would benefit from increasing adequate riparian. In addition to this, the catchment would benefit from additional terrestrial cover. Although terrestrial cover sits at 37%, it is predominantly cultural thicket with a small portion of cultural woodland and deciduous forest.



Figure 6: Case Study 1 - High Priority Catchment

Case study 2

The catchment shown in Figure 7 was also identified as a high priority for restoration. This catchment would benefit from increased riparian to help cool stream temperatures; additional assessment of the site would be required to determine potential mitigation of the online pond. There may also be opportunity to increase wetland cover and terrestrial cover, enhancing the shape and size of the terrestrial features.

Case study 3

The catchment shown in Figure 8 was identified as a lower priority for restoration, however is still considered a priority. This catchment would benefit from improving wildlife habitat connectivity and adequate riparian corridors. Through these measures terrestrial cover would also increase. Additional reconnaissance to assess the cause of lower stream temperature scores would provide insight on how to mitigate the potential negative affects on aquatic conditions.



Figure 7: Case Study 2 - High Priority Catchment

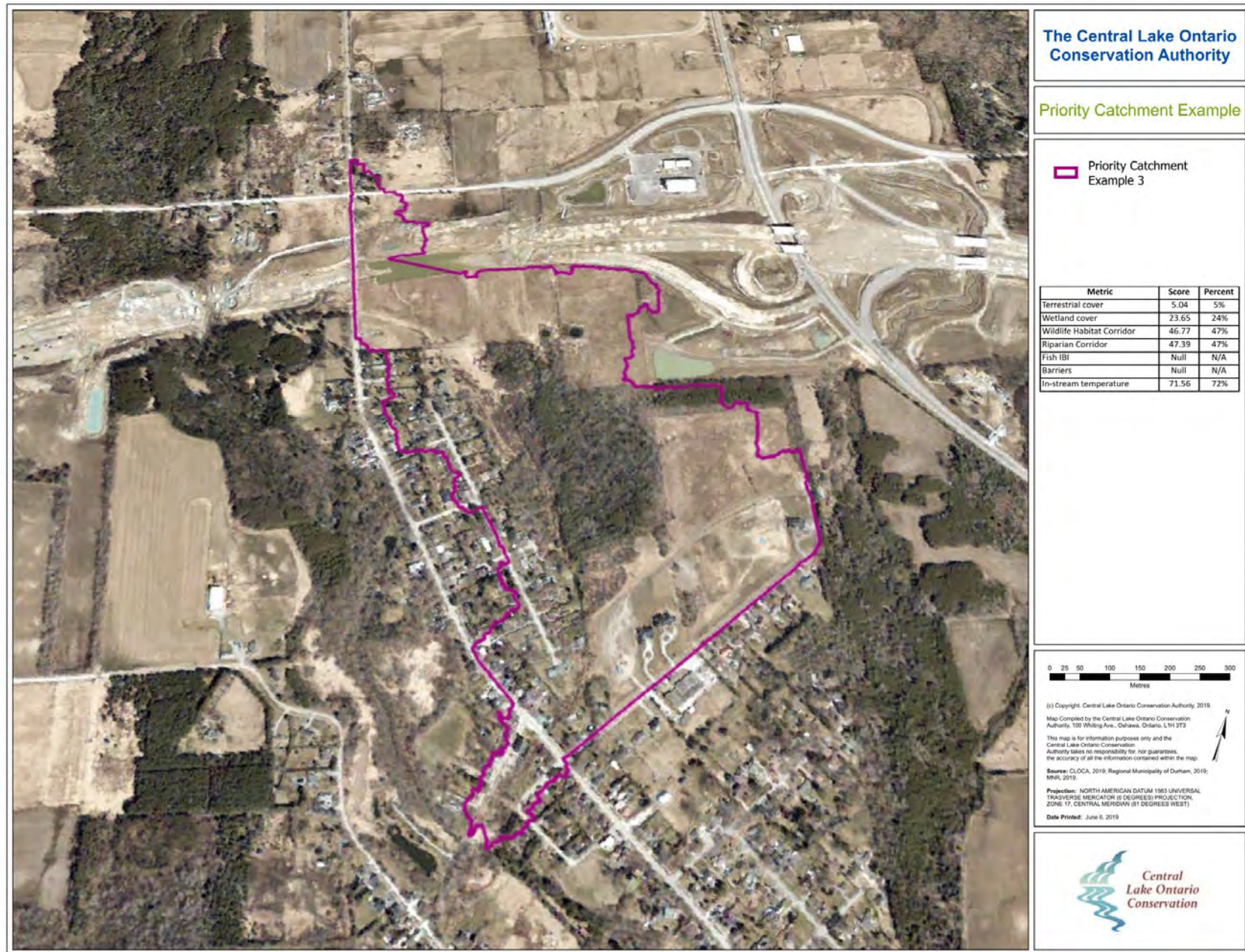


Figure 8: Case Study 3 - Low Priority Catchment

Next Steps & Recommendations

This model and document are a living project and will need to be updated on a regular basis to ensure restoration decisions are made on the most up to date science available. As such, the following recommendations are suggested to be reviewed on an on-going basis:

- Run the model for the entire CLOCA jurisdiction (September 2019)
- Continuously review and grow the model to capture additional data layers as they emerge
- Review additional platforms to enhance the functionality of the web application
- Update the model to reflect the latest information, keeping existing conditions updated (at least on a five year rotational basis)
- Add CLOCA's Restoration Tracking database as an additional layer once completed
- Consult with other CLOCA Departments for potential expansion and adaptation of the model to incorporate other forms of restoration (eg. Green Infrastructure)
- Consult with municipalities to promote knowledge of model

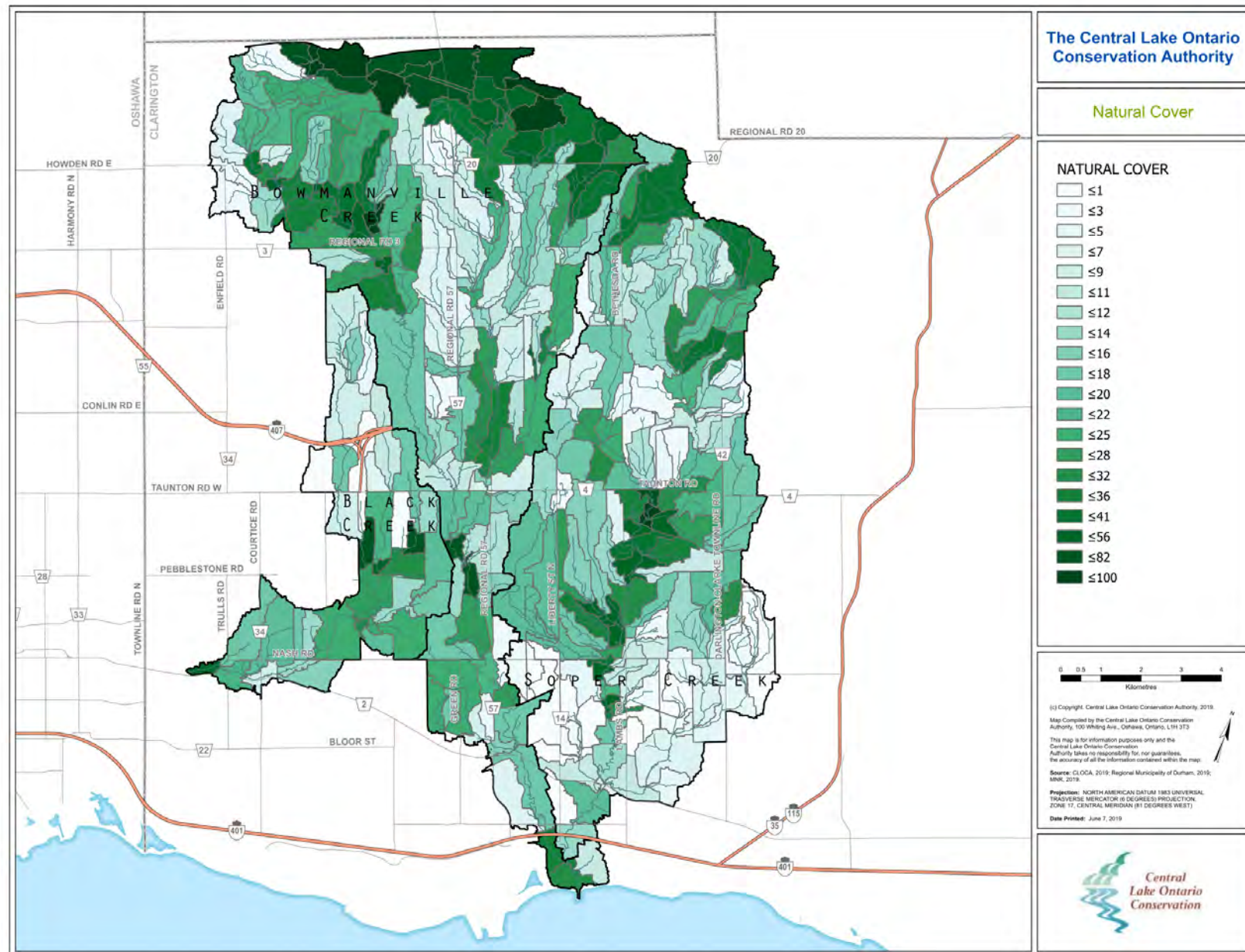
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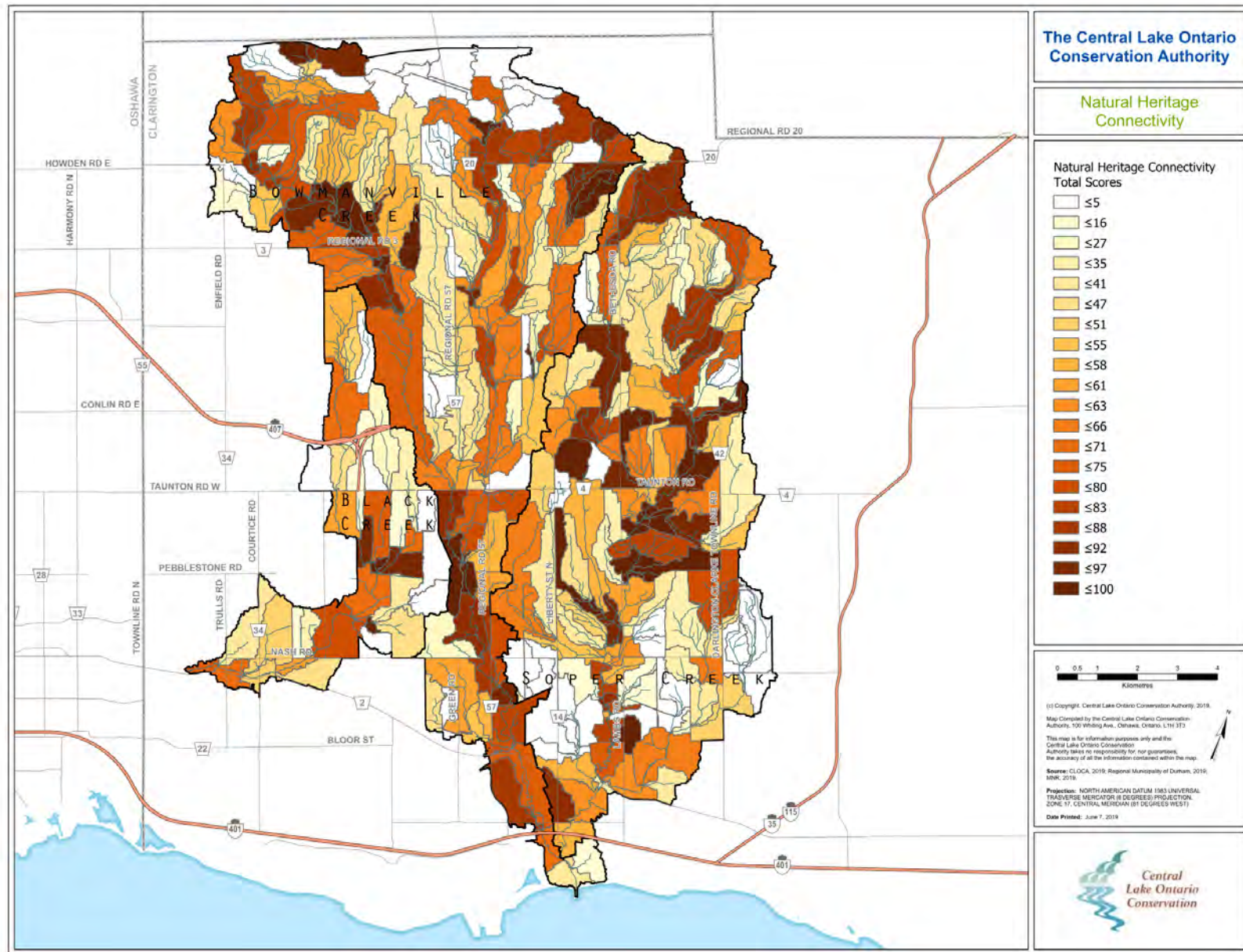
Appendix 1: Summary of data processing for metrics

Natural System Category	Data name	Description	Data Analysis	Year
Natural Cover	Wetland Cover	ELC data queried for only wetlands (FEO, FES, FET, BOO, BOS, BOT, MAM, MAS, OAO, SAS, SAM, SAF, SWT, SWC, SWD, SWM) - data should be mutually exclusive, riparian zone removed from wetland and forest/successional, etc.	% cover for 30ha catchments	2017
	Terrestrial Cover	ELC data queried for only forest and successional habitat (FOC, FOD, FOM, CUP, CUM, CUT, CUS, CUW) - data should be mutually exclusive, riparian zone removed from wetland and forest/successional, etc.	% cover for 30ha catchments	2017
Natural Heritage Connectivity	Riparian Cover	ELC data queried for only riparian cover (following action plan methodology) - data should be mutually exclusive, riparian zone removed from wetland and forest/successional, etc.	% cover for 30ha catchments	2017
	Wildlife Habitat Corridor (WHC)	Wildlife Habitat Corridor portion of the Wildlife Habitat Network	-use only landscape corridor & local corridor Calculate: -existing WHN -Total WHN (to be restored and existing) Final Output: -% existing WHN of Total WHN	2015
Aquatic Conditions	Golden Horseshoe Fish Index	Multi-metric tool characterizing stream health based on fish community composition	GHFI score per catchment -if multiple data points, average scores per catchment	1998 to 2018
	Barriers	Quantitative scoring of known barriers obstructing or limiting aquatic connectivity and stream hydrology and function	In-stream barrier scores, reversed (eg. An original score of 80% is now 20%)	2017
	In-stream temperature	Percent of time a stream reach was considered cold water	percent of time a stream reach was considered cold water (19°C and below) for July & August	2005 to 2016
Score for each catchment			Average of all scores	
Prioritizing				
Ecological Potential		use Landscape Analysis Model/VSM to calculate average scores for watershed and catchment areas	Calculate: -Mean VSM for watershed -Mean VSM for 30ha catchment -Natural cover %cover for watershed -Natural cover %cover for 30ha catchment -Natural Cover =Wetland+Riparian+Terrestrial Final Output: -if catchment vsm < watershed vsm =0; if catchment vsm > watershed vsm AND catchment Natural Cover < watershed Natural cover=1; otherwise 0 If score =1, transparent crosshatch layer	2019
Priority Catchment		Catchments with ecological potential, scored based on the average existing conditions score of all catchments adjacent to it	-use only catchments with ecological potential -select all catchments adjacent to catchment with ecological potential Calculate: -average the total existing conditions score for all catchments selected (excluding the target catchment) -this average score is the priority catchment score for the target catchment	2019

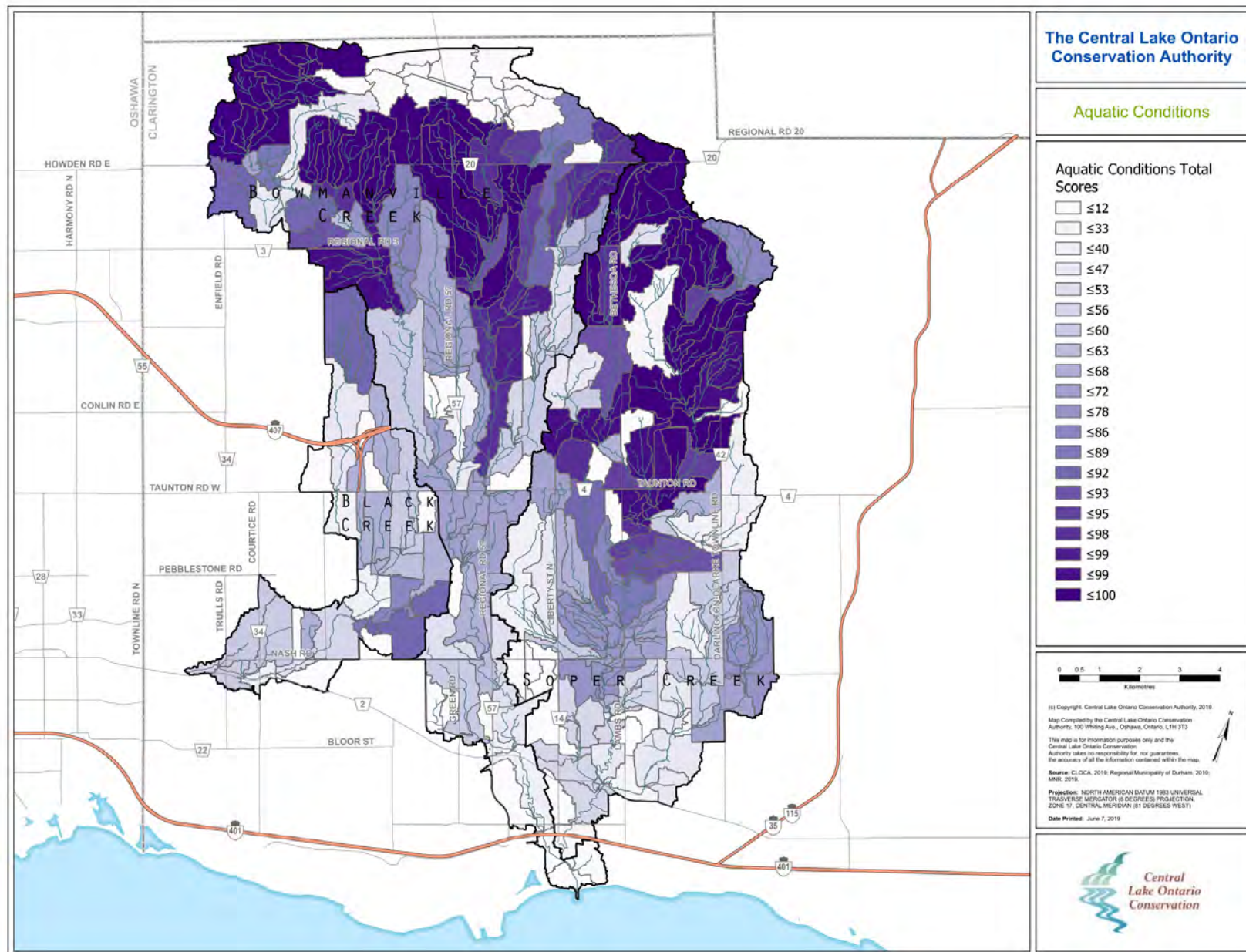
Appendix 2: Natural Cover



Appendix 3: Natural Heritage Connectivity



Appendix 4: Aquatic Conditions



CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: PGDG13
S.R.: 5654-19
MEMO TO: Chair and Members, CLOCA Board of Directors
FROM: Perry Sisson, Director, Engineering & Field Operations
SUBJECT: **Redside Dace Compensation Works at Heber Down Conservation Area**

APPROVED BY C.A.O. 

The CLOCA Board of Directors received Staff Report 5338-16 in February 2016 (Attachment 1) regarding proposed works on CLOCA lands as compensation for impacts to species at risk from construction of highway 407. In particular, CLOCA staff proposed a suite of works at the Heber Down Conservation Area including:

- Removal of gabion lined stream bank and restoration of stream banks
- Replacement of two pedestrian bridges to enable stream restoration
- Rehabilitation of the Devil's Den pond
- Enhancement of the stream riparian zone

The proposed works were determined to be suitable compensation for Hwy 407 works within Redside Dace habitats, and to provide overall benefit for the species. The Ministry of Transportation of Ontario (MTO) was to be responsible for all aspects for the work; including, design, construction and contract administration.

Work on the project has not significantly advanced since that time. More recently, CLOCA staff met with MTO staff, and a draft agreement has been prepared that would allow CLOCA to implement the project including site survey, detailed design and engineering, approvals, tendering, construction inspection and contract administration. The budget for the project is \$900,000, with approximately 20% of the budget anticipated to be required for design and administration costs, with the remaining 80% for construction costs. CLOCA staff from our Natural Heritage, Engineering, GIS, and Conservation Areas departments will be involved with the project implementation.

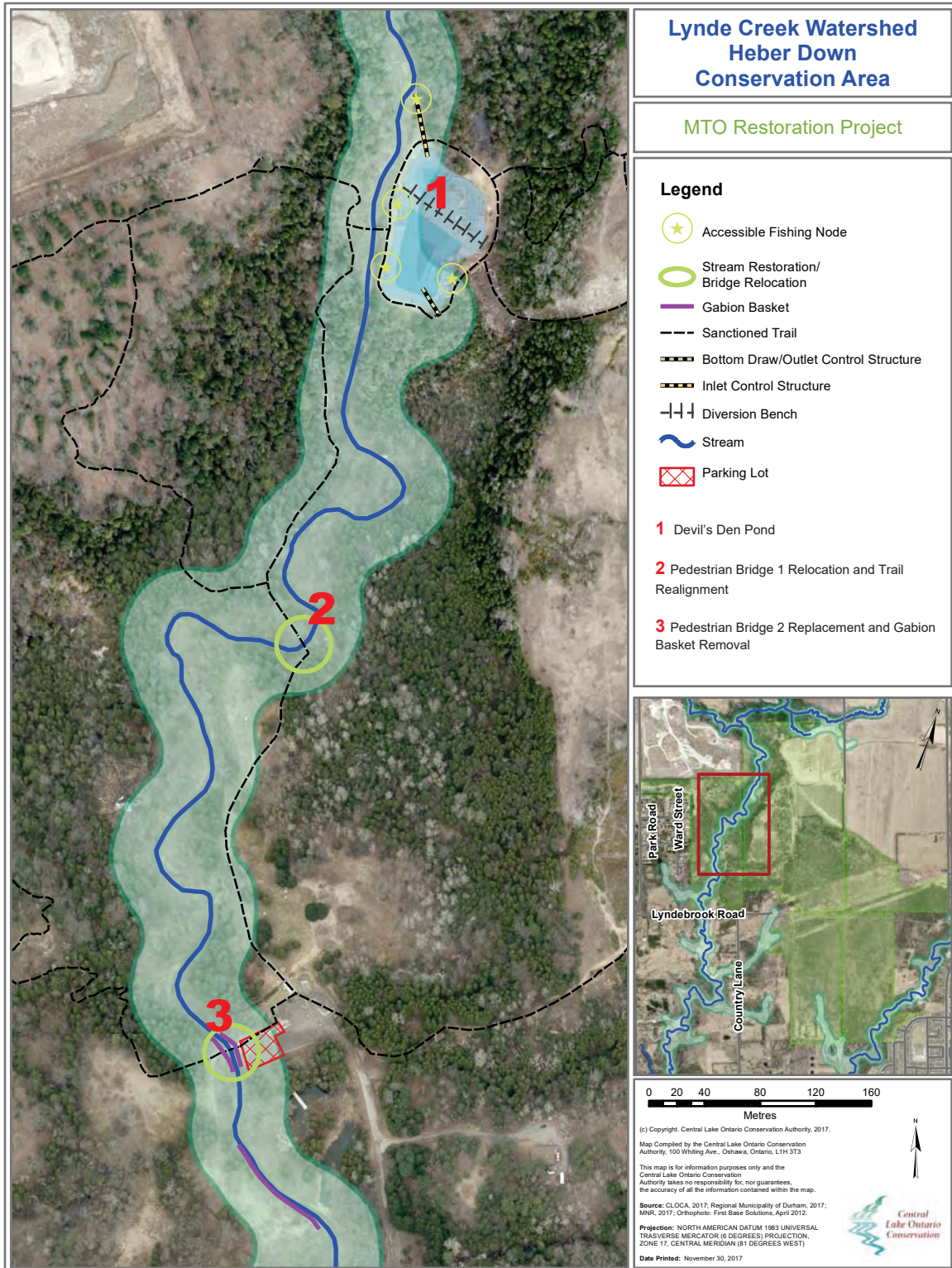
CLOCA staff would commence with the project upon reaching an Agreement with MTO, and would project a project completion in 2020.

RECOMMENDATIONS

THAT Report 5654-19 be received; and,

THAT CLOCA staff be authorized to enter into an agreement with MTO for the completion of the restoration projects.

Attach.



REPORT**CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY**

DATE: February 23, 2016
FILE: PGDG13
S.R.: 5338-16
MEMO TO: Chair and Members, CLOCA Board of Directors
FROM: Heather Brooks, Director, Watershed Planning & Natural Heritage
Perry Sisson, Director, Engineering & Field Operations
SUBJECT: Hwy 407 East Environmental - Compensation Works on CLOCA Lands

APPROVED BY C.A.O.



Considerable time and effort have been spent by CLOCA staff over the past number of years on the Highway 407 project. CLOCA has reviewed and commented on the EA documents, the design and construction reports, and the various frameworks that have been prepared. There is no doubt that this infrastructure development will have an immediate social, cultural and environmental impact on CLOCA's watersheds. These impacts are being addressed by a suite of measures including EA conditions and legislative requirements.

CLOCA staff have been working with MTO to identify other opportunities that will help to offset some of the environmental impacts of this infrastructure project. Through commitments established in the Environmental Assessment, MTO have committed to compensate for:

- Loss of forest
- Loss of wetland
- Loss of grassland (nesting habitat for Species At Risk)
- Impacts to Species At Risk fish (Redside dace) habitat

Considerations in the identification of appropriate restoration opportunities included having a beneficial enhancement to CLOCA's natural heritage system and watershed health, and that the restoration sites will not succumb to changing land ownership and land use overtime. Although the majority of the environmental compensation work will be completed within the MTO land associated with the Hwy 407 corridor, MTO propose to undertake 2 restoration projects within CLOCA Conservation Areas as follows.

Tree Planting in Enfield and Enniskillen Conservation Areas

MTO will be committing \$400,000 to planting a mix of tree species on 37.8 ha of land in Enfield and Enniskillen Conservation Areas in 2016-2017 (Attachment 1). The planting sites were identified by CLOCA and planting plans prepared by MTO's forestry consultant, McWilliams & Associates (Attachment 2). The chosen reforestation sites are consistent with CLOCA's management objectives for these conservation areas. MTO will be responsible for the pre-planting site preparation, planting, and post planting maintenance and monitoring.

Restoration Works in Heber Down Conservation Area

Further to deliberations with CLOCA staff, MTO propose to refurbish the Devils Den pond, and complete stream and riparian zone restoration works to the Lynde Creek between the Devil's Den pond and the main parking lot (see attachment 3 and 4). The work may also include alteration or relocation of existing pedestrian bridges. These works are providing overall benefit compensation for Redside dace as required in accordance with the MNRF's permit issued under the Endangered Species Act. These works will be carried out in 2016/2017.

cont'd

MTO will be responsible for all aspects of the work including design, construction, and contract administration, and will provide necessary insurance and indemnification to CLOCA. CLOCA staff will continue to be involved in the further design and planning of these projects and will provide oversight when the restoration activities are undertaken.

RECOMMENDATIONS

THAT Report 5338-16 be received;

THAT the two restoration projects as identified in this report be endorsed; and

THAT CLOCA staff be authorized to enter into the necessary agreements with MTO for the completion of the restoration projects.

Attach.

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: NSTP9
S.R.: 5648-19
TO: Chair and Members, CLOCA Board of Directors
FROM: Patricia Lowe, Director, Community Engagement
 Perry Sisson, Director Operations and Engineering
SUBJECT: Proposed Conservation Areas Trail Steward Program

APPROVED BY C.A.O. 

Background

Central Lake Ontario Conservation (CLOCA) owns, manages and operates public use infrastructure at 8 conservation areas across our jurisdiction. Currently these areas are open to the public daily, from dawn to dusk, providing 50 kilometres of diverse trails. The length of these trails varies from 300 metres to 3.7 kilometres, averaging about 1.5 kilometres. CLOCA staff routinely plan, budget, and complete improvements to our trail and public use infrastructure and provide inspection and maintenance of our trails as outlined in our Conservation Areas Inspection Policy (CLOCA 2016). Visitors and trail usage in our conservation areas continues to increase each year resulting in increased management needs such as litter cleanup, trail maintenance, education and awareness and enforcement.

CLOCA is fortunate to have many dedicated community volunteers who provide an important support function for many of our stewardship and outreach programs and services such as tree plantings, invasive species management and festival support. A Conservation Areas Trail Stewardship (CATS) Program will provide a focused and organized volunteer resource to assist in ensuring that our trails remain safe and enjoyable.

The Program will provide an opportunity for individuals and organizations who enjoy nature and our conservation areas to participate in maintaining the quality of our trails. Taking on the stewardship of a trail is a privilege and it is important that volunteers be provided with the training and resources required to ensure they are prepared to undertake the responsibilities. Upon applying for the Program and being accepted, they will be required to complete a CATS training program to include orientation, health & safety and hands-on training related to the tasks. Volunteers would be asked to commit to a minimum of one monthly, 2 to 3 hour visits to their specific Conservation Area from April to December. The frequency and type of maintenance would vary based on the season, type of trail and habitat in which the trail is located. The CATS Program will also serve as an early warning system before serious problems develop. Should maintenance issues beyond the scope of the volunteer arise, they are reported to the Program Coordinator or Operations staff so that corrective action can be taken. Reporting forms will assist us in effectively documenting, tracking, communicating and responding to issues.

Volunteer trail stewardship responsibilities will include the following:

- Removing litter
- Clearing small debris
- Replacing trail signs and markers
- Education and outreach on matters such as wildlife feeding, on leash dogs, and general nature appreciation
- Noting and reporting on inappropriate behavior, hazardous litter, and vandalism
- Participating in specific restoration activities such as tree plantings and invasive species management

FILE: NSTP9
S.R.: 5648-19

June 18, 2019

All work will be performed in a manner to protect the environment, natural resources and recreational and nature experience of users. CATS volunteers are expected to act in the spirit of partnership as CLOCA ambassadors to the general public visiting our conservation areas. A CATS Handbook is in development and will clearly outline volunteer responsibilities, along with information on insurance coverage, a recommended volunteer schedule, reporting requirements, trail maintenance basics, how to use specific tools to conduct the maintenance, health & safety considerations, hazards & risks, what to wear and how to interact with the public. Reporting, agreement and consent and waiver forms will be provided in hard copy and online formats. We will also provide social media guidelines for volunteers to share their experience with us so we can post their stories and experiences. The CATS Handbook will also include a list of trails, trail length, difficulty and availability, poisonous plant identification, maps and brochures to promote the conservation area where they volunteer.

Volunteers will receive a safety vest that identifies them as a volunteer for the CATS Program. They will also receive a stewardship kit with tools, Personal Protective Equipment (PPE) and a parking pass that allows them free parking at the conservation area in which they have selected for their volunteer work.

As part of the community engagement function, the volunteer will receive area brochures and other printed information and products to engage visitors in best practices on trails. For example, a CATS volunteer assigned to the Lynde Shores Conservation Area may receive tick kits and don't feed wildlife brochures to distribute for education and information purposes. At Enniskillen, the volunteer may receive a BARK kit to support positive actions for dog owners on trails.


It is proposed that the program be initially introduced at Lynde Shores Conservation Area in 2019. A survey of the volunteers, users and staff will be conducted to evaluate the Program benefits prior to rolling out to our other Conservation Areas.

RECOMMENDATION:

THAT the Board of Directors approve a Conservation Areas Trail Stewardship Program.

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: PSSE56
S.R.: 5651-19
TO: Chair and Members, CLOCA Board of Directors
FROM: Chris Darling, Chief Administrative Officer
SUBJECT: **Petition for Watermain Construction on Range Road and Ontoro Boulevard, Town of Ajax**

APPROVED BY C.A.O. 

Reference is made to the attached correspondence. At the November 20, 2018 Board Meeting the Board approved the following resolution:

Moved S. Collier
 Seconded by D. Pickles

THAT the Region of Durham is requested to provide a one-time special levy in the amount of \$84,472.48 to fund CLOCA's portion of the cost for a watermain on Ontoro Boulevard and Range Road in the event the CLOCA Board decides to support the petition and the petition is subsequently successful.

Regional Council subsequently approved the following motion at their March 27, 2019 meeting:

That the one-time budget request from the Central Lake Ontario Conservation Authority (CLOCA) for Ontoro Blvd/Range Road be funded from reserves.

As stated in the attachment, the formal petition package is expected in late June with a requested response on or before July 19, 2019. Regional staff have confirmed that CLOCA's estimated frontage charge for the construction remains the same as it was in the 2018 petition (\$84,472.48). In accordance with Regional Council's decision, the frontage charge will be funded through Regional reserves. Based on this information, it is recommended that the Board of Directors authorize the Chief Administrative Officer to respond to the petition in favour of the construction of the watermain.

RECOMMENDATION:

THAT the Chief Administrative Officer be authorized to respond in favour to the petition, circulated from the Durham Region, for the construction of the watermain on Range Road and Ontoro Boulevard, in the Town of Ajax.

Attach.



June 3, 2019

Central Lake Ontario Conservation Authority
Attn.: Chris Darling, CAO & Signing Officer
100 Whiting Avenue
Oshawa, Ontario
L1H 3T3

The Regional
Municipality
of Durham

Works Department

605 ROSSLAND ROAD EAST
PO BOX 623
WHITBY, ON L1N 6A3
CANADA

905-668-7711
1-800-372-1102
Fax: 905-668-2051
Email: works@durham.ca

durham.ca

Susan Siopis, P.Eng.
Commissioner of Works

**Re: Petition for Watermain construction on Range Road
and Ontoro Boulevard, In the Town of Ajax**

This letter will advise you that Regional Council have directed staff to conduct a petition for the construction of a watermain, in order to service approximately 44 properties on Ontoro Boulevard and Range Road, in the Town of Ajax.

A petition package will be mailed directly to you on June 27, 2019. A response must be received on or before July 19, 2019. Not receiving a petition package is likely a result of having incorrect information within the Service Ontario database. We would be happy to provide you with information on amending your Service Ontario records should you wish to have it updated.

When responding to the petition, please answer only the questions included on the petition response form. Any additional comments or stipulations to the petition will make your ballot null and void.

If you have any questions or comments on the above, please contact myself or Tracey Reid (extension 3516) at your convenience.

Yours truly,

Mike Hubble, P.Eng.
Development Approvals Engineer

Email: mike.hubble@durham.ca
Phone: 905 668 7711 extension 3460

CLOCA

-06-04 2019

RECEIVED

If this information is required in an accessible format, please contact
1-800-372-1102.



REPORT

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

DATE: June 18, 2019
FILE: AGRA32
S.R.: 5653-19
TO: Chair and Members, CLOCA Board of Directors
FROM: Chris Darling, Chief Administrative Officer
SUBJECT: **Request for Durham Region Funding to Support CLOCA's Natural Hazard Management Program**

APPROVED BY C.A.O. 

1. Purpose and Background

This report seeks approval to request funding from the Region of Durham in the amount of \$60,388 to support CLOCA's Natural Hazard Management Program.

CLOCA delivers a Natural Hazard Management Program that is critical to the protection of people and property from flooding and erosion and includes the following main activities:

- Flood forecasting, warning and low water response
- Floodplain mapping, modelling and monitoring
- Reviewing and commenting on planning policy documents and development proposals under the Planning Act for consistency with the Provincial Policy Statement natural hazard policies.

The province historically provided funding through transfer payments to assist in the delivery of this Program. Since 1996, CLOCA received \$124,833 annually from the province for this Program. In April of this year, the province announced cuts to the transfer payments of approximately 50% for the 2019-20 fiscal year, reducing the funding to \$64,444.

In response to the funding cut, the Board of Directors at the May Board Meeting approved the following resolution:

Res. #63 Moved by B. Nicholson
 Seconded by D. Pickles

THAT Staff reach out to local municipalities and other Durham Region Conservation Authorities for a joint approach to the Region of Durham to find replacement funding for the Provincial flood management cuts.

CARRIED

2. Resolution Follow-up

Staff had discussions with area municipalities and Durham Region conservation authorities regarding approaching the Region of Durham to replace the loss in funding from the province for our Natural Hazards Management Program. Local municipal city managers and Chief Administrative Officers were consulted and all acknowledged the importance of CLOCA's Hazard Management Program and no objections or concerns were raised regarding approaching the Region for replacement funding.

Discussions with the Durham Region conservation authorities have been mixed. Kawartha Region CA supports a joint approach to the funding request. Lake Simcoe Region CA and Ganaraska Region CA have indicated that they will not be requesting that Durham cover their loss in transfer payment. Toronto Region CA has not yet had an opportunity to bring this matter to their Board for direction.

Cont'd

Accordingly, there will not be a joint submission from all of Durham's conservation authorities. Given the importance of our Natural Hazard Program and the direction from the Board of Directors, it is recommended that CLOCA proceed with a request to the Region to cover the 2019 loss in funding from the province.

3. Potential Implications of Funding Cuts on Liability

At the May Board meeting, there was also discussion and requested follow-up regarding potential increased liability to conservation authorities as a result of the funding cuts. Although we have obtained a legal opinion, the funding cuts have been discussed with our insurer and they have indicated premium increases (as a result of potential increased liability) would only be expected to develop if funding cuts turn into;

- reduced maintenance and loss prevention spending which in turn result in higher frequency of claims.
- Increased layoffs which result in an increased frequency and/or severity of Employment Practice claims

As a result, increased liability is not expected provided conservation authorities continue to provide the same level of services and due diligence in the delivery of the natural hazard programming – certainly highlighting the importance of continued funding levels for this program area.

It is also noted that, as part of Bill 100 Protecting What Matters Most Act (Budget Measures), 2019, the province introduced Schedule 17 Crown Liability and Proceedings Act, 2019 that reduces the provinces liability. The amended legislation increases the legal threshold necessary to proceed with civil litigation, including class action lawsuits, against the provincial government. It extinguishes any tort claim against the crown for negligence in performing duties of a legislative nature as well as the making of policy and regulatory decisions provided these decisions are made in "good faith".

RECOMMENDATIONS:

WHEREAS Conservation Authorities deliver Natural Hazard Management Programs to protect people and property from flooding and erosion by providing real-time flood forecasting, issuing flood watches and warnings, monitoring stream flows and Lake Ontario water levels, preparing floodplain mapping, regulating development activity in areas vulnerable to flooding and erosion;

WHEREAS we are experiencing more severe and frequent weather events impacting our communities;

WHEREAS the recent provincial budget has reduced the Provincial Transfer Payment to all Conservation Authorities for Natural Hazard Programming by approximately 50%

BE IT RESOLVED THAT the Region of Durham be requested to provide supplemental 2019 funding to Central Lake Ontario Conservation Authority in the amount of \$60,388.47 to cover the reduction in funding from the Province for Natural Hazard Management Programming.

UNFINISHED BUSINESS

#	Subject	Origin	Direction	Responsible	Expected Response
1.	Update on Flooding – Lake Ontario Water Levels	SR #5638-19	<ol style="list-style-type: none"> 1. Refer the matter back to Staff for comment on the role Plan 2014 has played in the regulation of Lake Ontario water levels, including answering whether it was a contributing factor to flooding; 2. What role CLOCA can play re: working with United Shoreline Ontario, a grassroots community based organization which has the mandate of uniting residents and municipalities of the North shore of Lake Ontario; 3. Provide further information on the areas of flooding outlined in Report 5638-19 and propose solutions to the issue of flooding, with specific reference to the areas mentioned in the final paragraph but also including northern Municipalities; 4. That the report appear on the September 17 2019 agenda. 	P. Sisson C. Jones	September 17, 2019