

CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

MINUTES NO. 4

AUTHORITY MEETING

Tuesday, May 16, 2023 - 5:00 P.M.

MEETING LOCATION: HYBRID – Virtual through Zoom and/or in person at 100 Whiting Avenue, Oshawa

Authority	Elizabeth Roy – Chair	Authority	C. Darling, Chief Administrative Officer
Members:	Bob Chapman – Vice Chair	Staff:	A. Cunning, Financial Services Coordinator
	Marilyn Crawford		B. Boardman, Executive/Accounting Administrator
	Bruce Garrod		R. Catulli, Director, Corporate Services
	Ron Hooper		J. Davidson, Director, Watershed Planning & Natural Heritage
	Rick Kerr		L. Hastings, Communications Specialist
	Chris Leahy		D. Hope, Conservation Lands & Education Manager
	Rhonda Mulcahy		C. Jones, Director, Planning & Regulation
	John Neal		D. Moore, Aquatic Biologist
	David Pickles		P. Sisson, Director, Engineering & Field Operations & Education
	Corinna Traill		L.Vaja, Executive Assistant/Health & Safety Administrator/ Recording Secretary
	Steve Yamada		R. Wilmot, Information Management & Technology Manager

Absent:	Sami Elhajjeh	Others:	Nigel Allen, BDO
	Tito-Dante Marimpietri		Adam Delle Cese, BDO
	Ian McDougall		

The Chair called the meeting to order at 5:02 p.m.

LAND ACKNOWLEDGEMENT STATEMENT

Chair Roy recited the Land Acknowledgement Statement on the Fund Agenda.

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

ADOPTION OF MINUTES (Agenda pg. 1)

Res. #36 Moved by B. Garrod
Seconded by B. Chapman

THAT the Authority minutes of April 18, 2023, be adopted as circulated.
CARRIED

PRESENTATIONS

D. Moore gave a staff presentation on Integrated Watershed Monitoring Program Update.

M. Crawford arrive at 5:06 p.m.
D. Pickles joined virtually at 5:09 p.m.
C. Traill joined virtually at 5:14 p.m.

CORRESPONDENCE – *None*

DIRECTOR, PLANNING & REGULATION

(1) Staff Report #5828-23 (Agenda pg. 3)
Re: Permits Issued for Development, Interference with Wetlands, and Alteration to Shorelines
and Watercourses – April 1 to 30, 2023

Res. #37 Moved by R. Kerr
Seconded by B. Garrod

THAT Staff Report #5828-23 be received for information.
CARRIED

DIRECTOR, PLANNING & REGULATION (Cont'd)

- (2) Staff Report #5829-23 (Agenda pg. 5)
Re: Provincial Consultation on Replacing Provincial Policy Statement and Growth Plan

Res. #38 Moved by D. Pickles
Seconded by R. Hooper

THAT the Commentary in Staff Report #5829-23 and attachments be endorsed and submitted to the Province of Ontario and Conservation Ontario as CLOCA's comments regarding Environmental Registry Posting 019-6813;
THAT Staff Report #5829-23 be circulated to Members of Provincial Parliament, Members of Parliament, Conservation Ontario and adjacent Conservation Authorities for their information.
CARRIED

DIRECTOR, WATERSHED PLANNING & NATURAL HERITAGE

- (1) Integrated Watershed Monitoring Program Update – Wildlife Monitoring (staff presentation)

Res. #39 Moved by R. Kerr
Seconded by B. Garrod

THAT the Staff Presentation be received for information.
CARRIED

- (2) Staff Report #5831-23 (Agenda pg. 78)
Re: Integrated Watershed Monitoring Program Update

Res. #40 Moved by M. Crawford
Seconded by B. Chapman

THAT Staff Report #5831-23 be received for information.
CARRIED

Councillor Neal inquired about that residents reported last year that illegal water taking was occurring and if this was corrected, or if any notices or memos that might have gone out. Chris Darling responded indicating that he was not aware of any recent concerns from the public regarding illegal water taking.

- (3) Staff Report #5832-23 (Agenda pg. 83)
Re: CLOCA 2023 Earth Day Event: Bowmanville Westside Marshes

Res. #41 Moved by C. Traill
Seconded by R. Hooper

THAT Staff Report #5832-23 be received for information.
CARRIED

R. Hooper thanked the staff, sponsors and volunteers for hosting the Earth Day event.

DIRECTOR, ENGINEERING AND FIELD OPERATIONS

- (1) Staff Report #5830-23 (Agenda pg. 86)
Re: Winter / Spring 2023 – Conservation Areas Update

Res. #42 Moved by M. Crawford
Seconded by R. Kerr

THAT Staff Report #5830-23 be received for information.
CARRIED

DIRECTOR, CORPORATE SERVICES

(1) Staff Report #5833-23 (Agenda pg. 91)
Re: 2023 Budget

Res. #43 Moved by B. Chapman
Seconded by B. Garrod

***THAT the recommended 2023 budget be approved, as presented;
THAT copies of the 2023 Budget Report, as approved, be circulated to the Region of Durham; and
THAT a copy of the approved budget be posted on the Authority's website.***
CARRIED

(2) Staff Report #5834-23 (Agenda pg. 136)
Re: Draft 2022 Audited Financial Statements

Res. #44 Moved by R. Mulcahy
Seconded by B. Chapman

***THAT the Audited Financial Statements for the year ended December 31, 2022, be approved as presented;
THAT a copy of the 2022 Audited Financial Statements be posted on the Authority's website and forwarded to the Region of Durham; and
THAT BDO Canada be appointed as CLOCA Auditors for the year ending December 31, 2023.***
CARRIED

CHIEF ADMINISTRATIVE OFFICER – None

CONFIDENTIAL MATTERS – None

NEW AND UNFINISHED BUSINESS

B. Garrod inquired to the Chair if there was opportunity to change the time of day the Board Meetings are held. Chair Roy advised that staff will send out a poll to enquire if an earlier time is agreeable first then narrowing down a suitable time is there is consensus and will remain the third Tuesday of each month. C. Leahy noted that he would like to keep the meetings as is. C. Darling clarified that a poll was done several years ago and at that time, it was determined to keep it as it is.

C. Traill asked it to be noted on the record, since Home Hardware in Bowmanville was granted their MZO to proceed with constructing their flagship facility in Bowmanville, C. Traill is advised that CLOCA has been singularly unhelpful with respect to their proceeding in a timely manner. The latest that C. Traill has been advised of is that Home Hardware has been asked to plant several trees even though almost no mature trees were destroyed during the construction and wanted the Board to know that Home Hardware has devised over the last 30 years a province-wide tree-planting program. C. Traill would like staff to follow up with her as to why this requirement was put in place when it does not seem to make sense and also it does not give any consideration to the fact that Home Hardware has in fact planted something around 40,000 trees across Ontario just out of its own corporate governance, good corporate citizenship. C. Traill noted again that she would like this noted on the record because she doesn't know if it's because of the Ministerial Zoning Order that perhaps there has been some push back on this but going forward, in light of their extensive contributions to beautifying the Province through free tree planting, she'd like it on the record that she doesn't think the current requirement makes any sense.

C. Darling noted that the requirement for the tree planting on the Home Hardware site was a municipal requirement and not a CLOCA requirement and noted that her concerns should be directed to the municipality

ADJOURNMENT

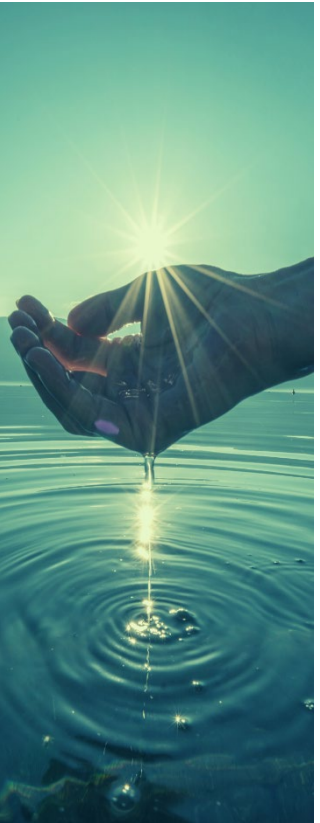
Res. #45 Moved by J. Neal
 Seconded by C. Leahy

THAT the meeting adjourns.
CARRIED

The meeting adjourned at 5:25 p.m.


ELIZABETH ROY, CHAIR


CHRIS DARLING, CHIEF ADMINISTRATIVE OFFICER



Integrated Watershed Monitoring Program Update





Purpose of the Integrated Watershed Monitoring Program

How is ecosystem health responding as changes in CLOCA's watersheds occur?





Ecosystems we monitor



Streams

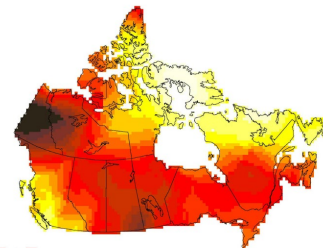


Coastal Wetlands



Forests

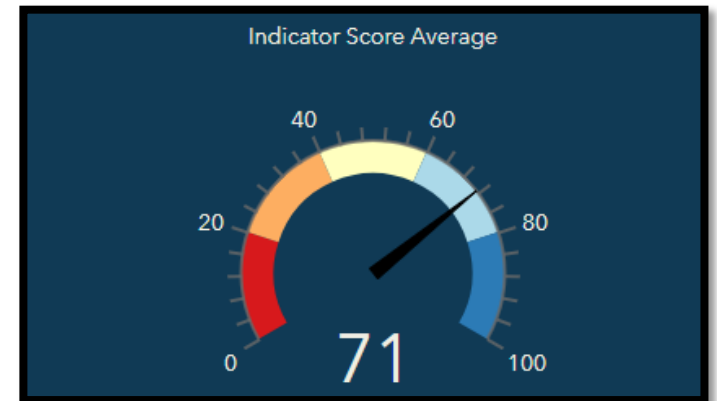
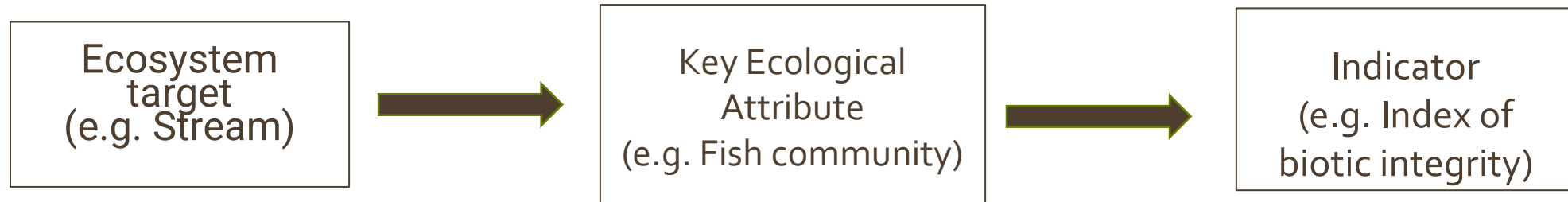
Climate data



Environment and
Climate Change Canada / Environnement et
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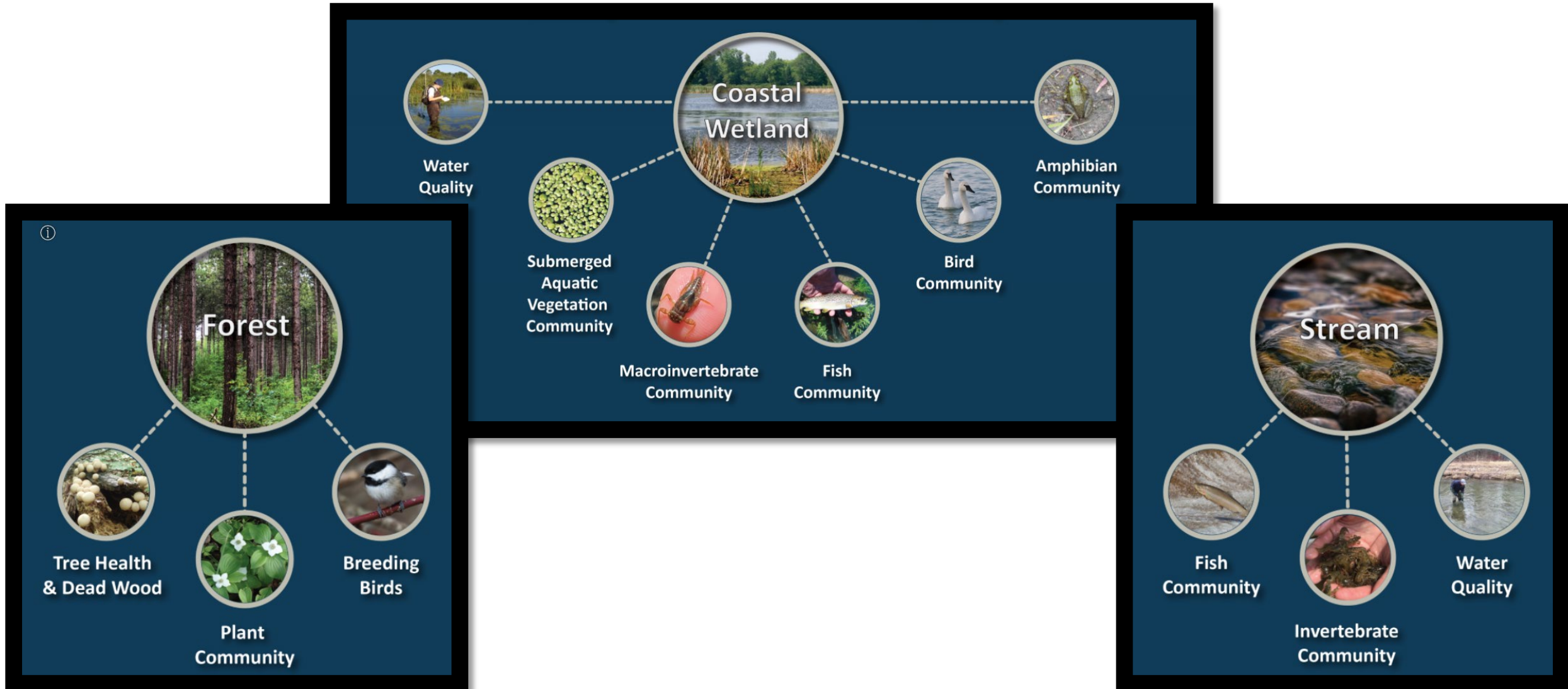


How we measure ecosystem health





Ecosystems we monitor





Why monitor?



Determine Ecosystem Health
Important Ecosystems and Species
Changing conditions?
Enhance Resilience





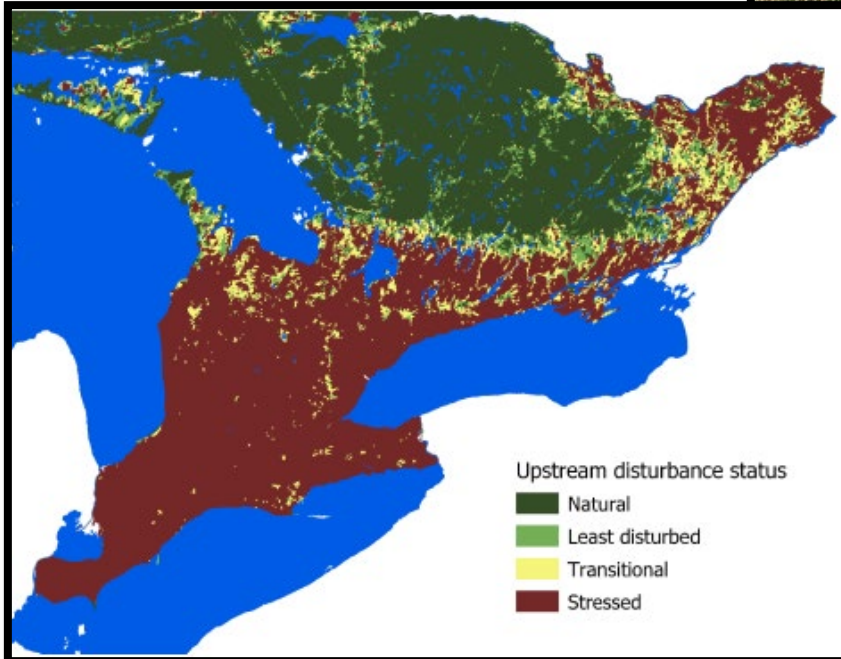
Why monitor?



Stressed Ecosystems

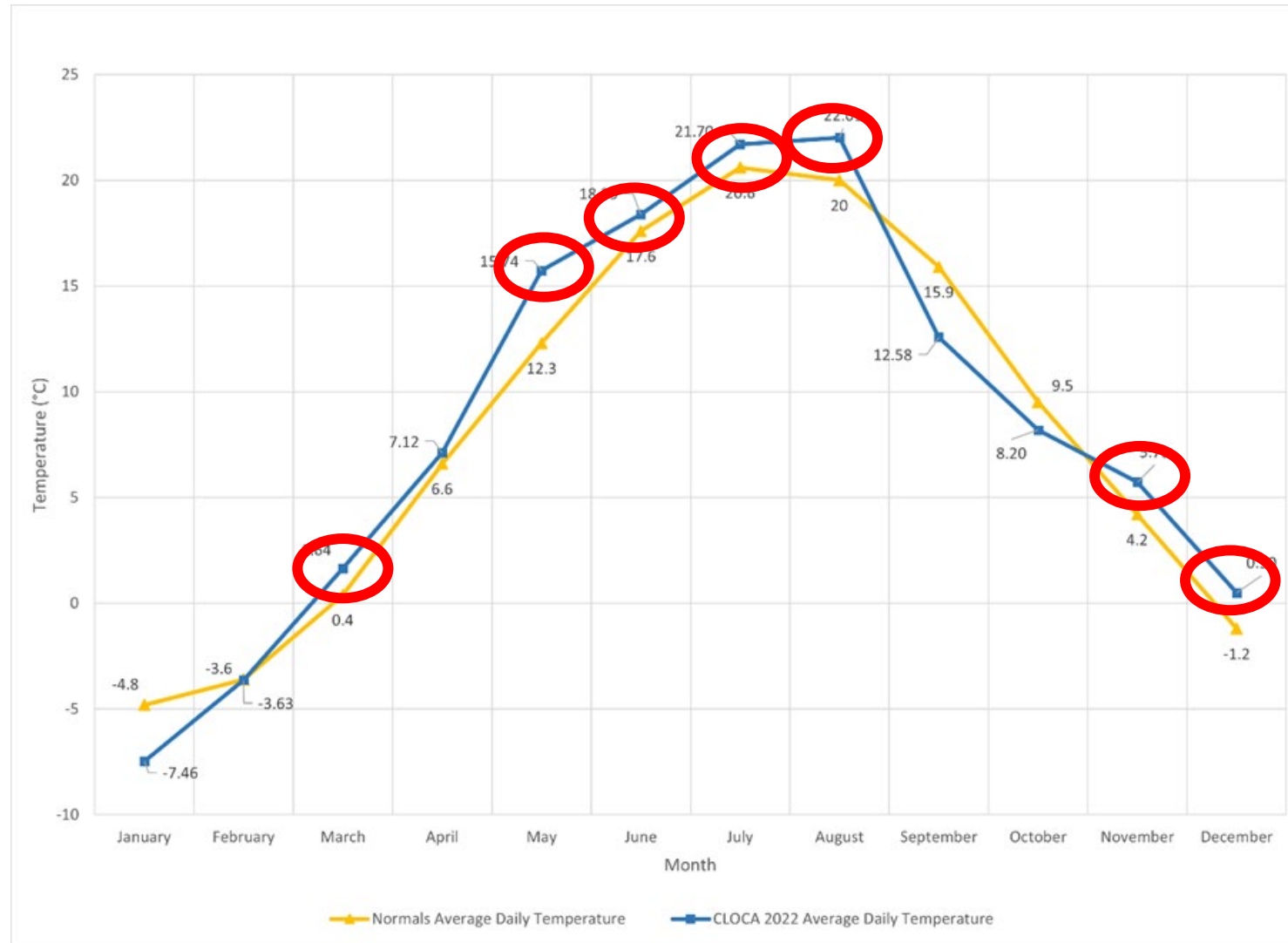
Invasive species

More extreme weather



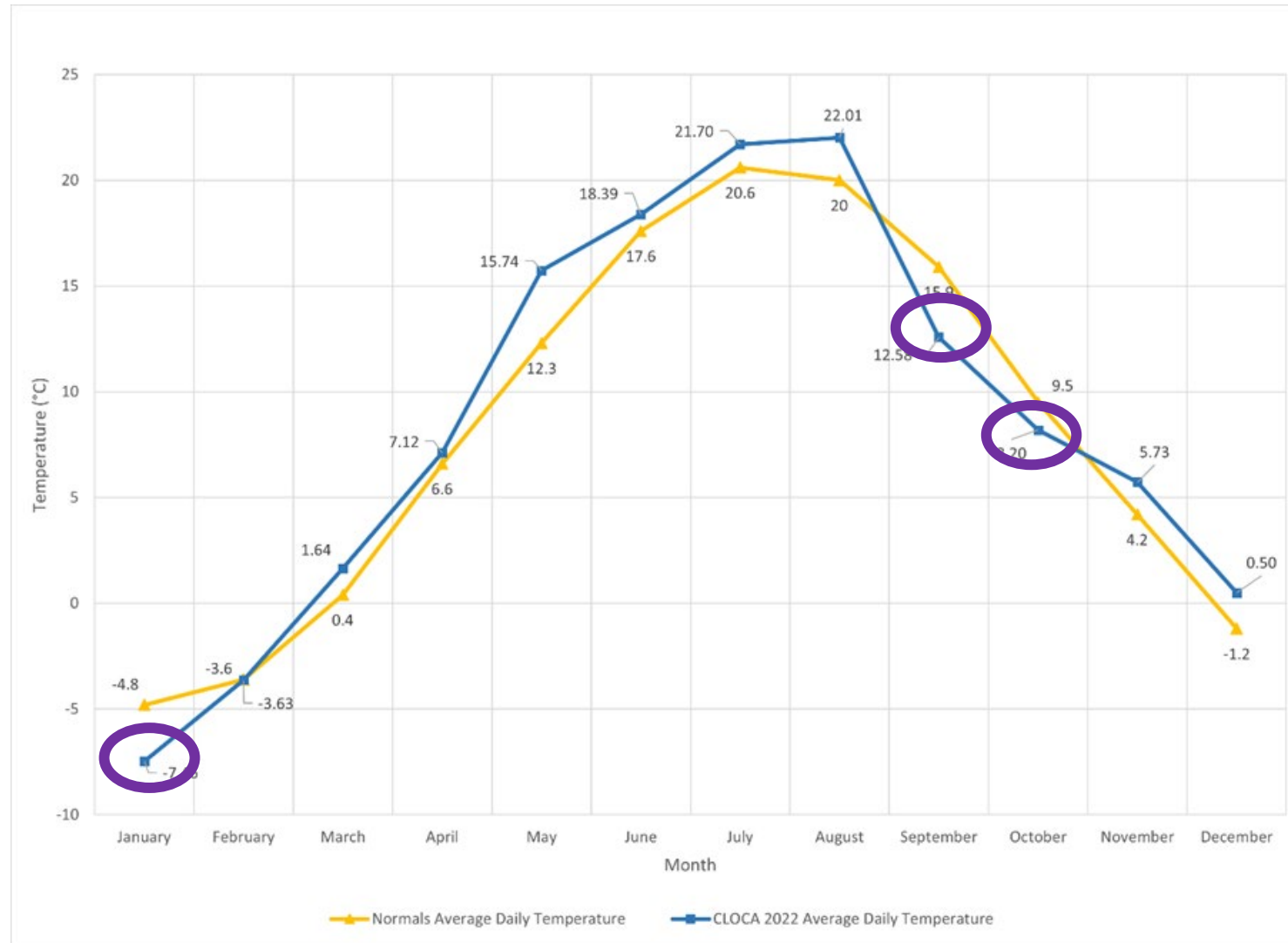


What we found - climate



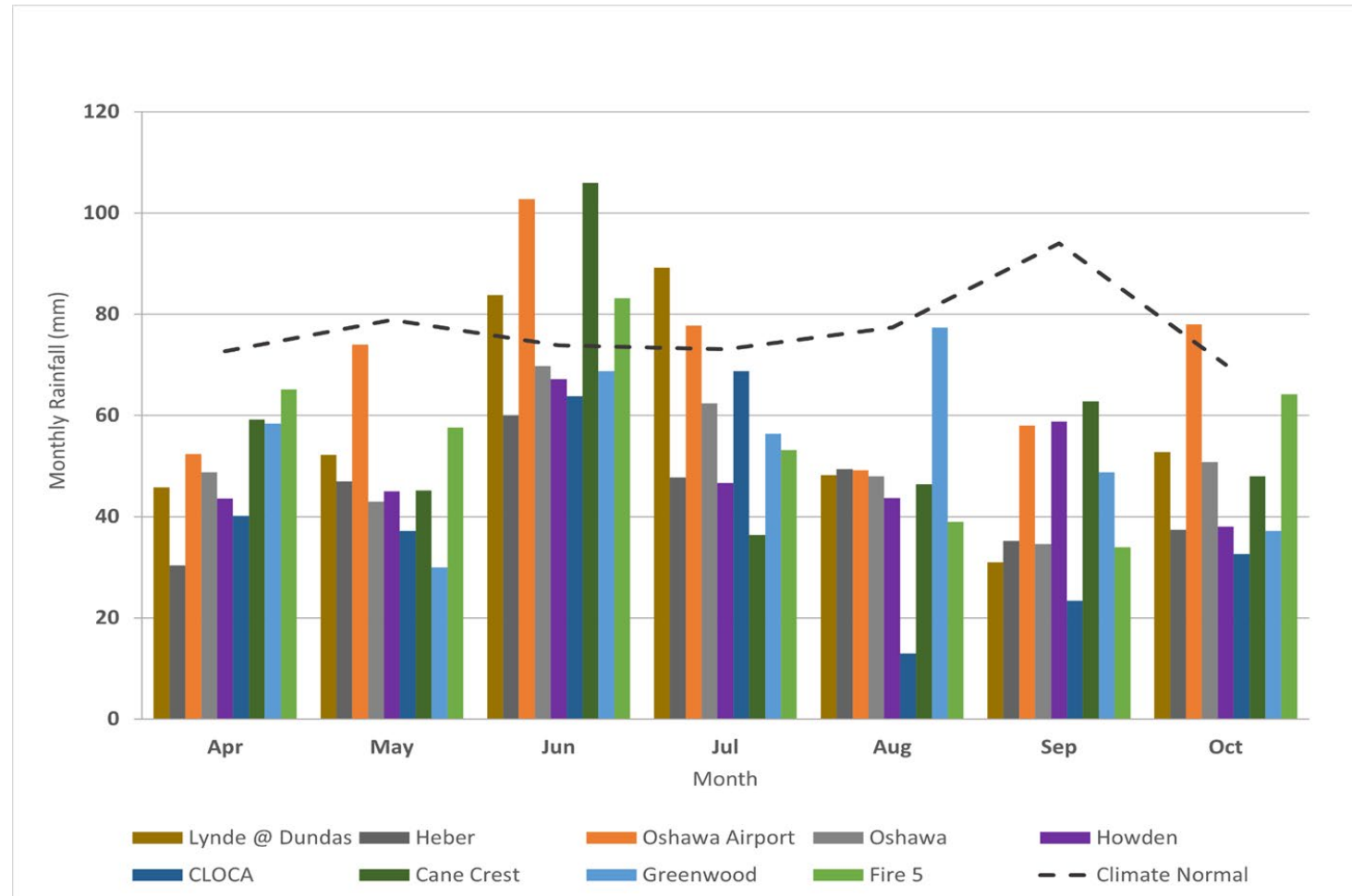


What we found - climate



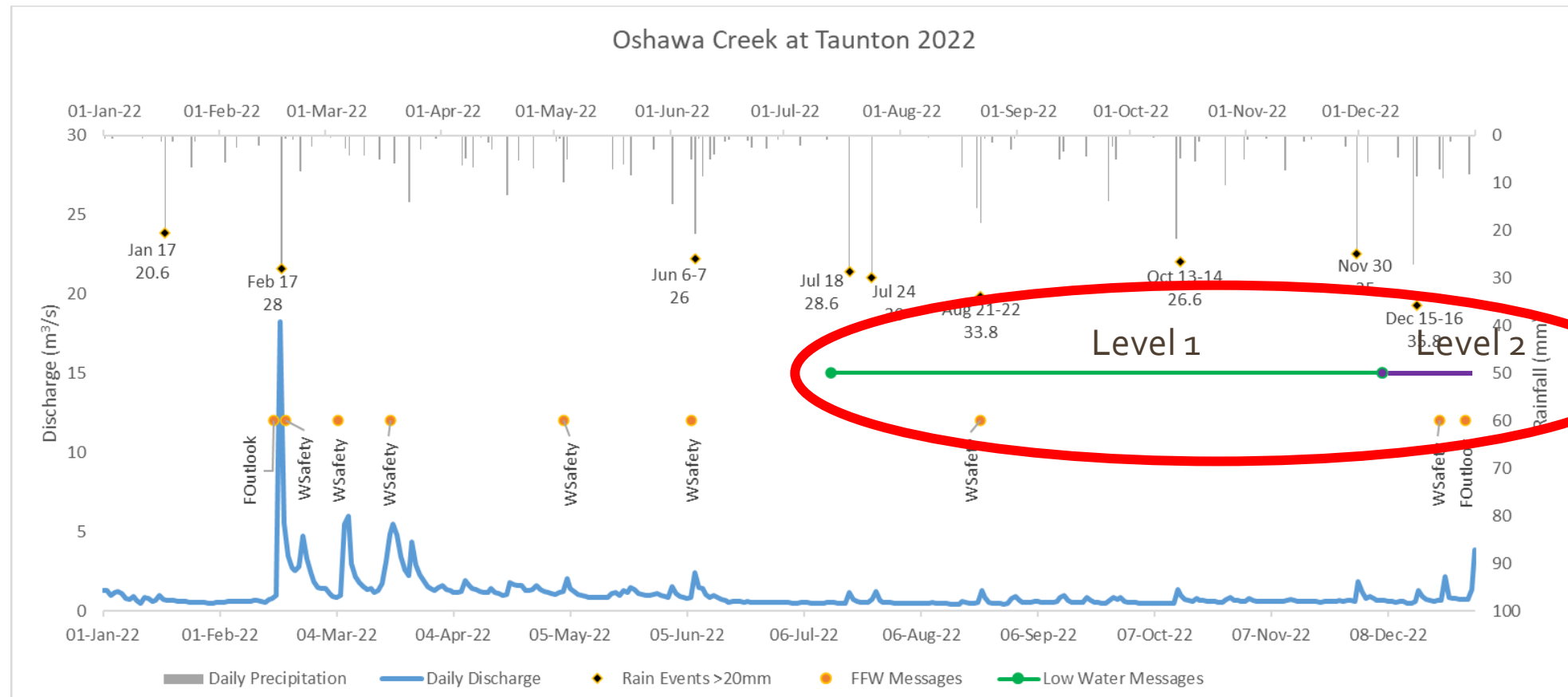


What we found - climate





What we found - climate





What we found - forests

- Fair to Good Scores, generally Stable Trend
- Forest Patch Size is important
- May Derecho Impact



Ecosystem	Health Score 2022	Trend
Forest Health	FAIR	Stable
Bird Community	FAIR	Decline
Tree Health	GOOD	Stable
Plant Community	GOOD	Stable



What we found - streams

- Poor to Good Scores, generally Stable Trend
- Over 4600 fish, 11,000 invertebrates, and 576 water quality samples taken
- Chloride exceeded guidelines at 44% of sites, E.Coli at 39% of sites



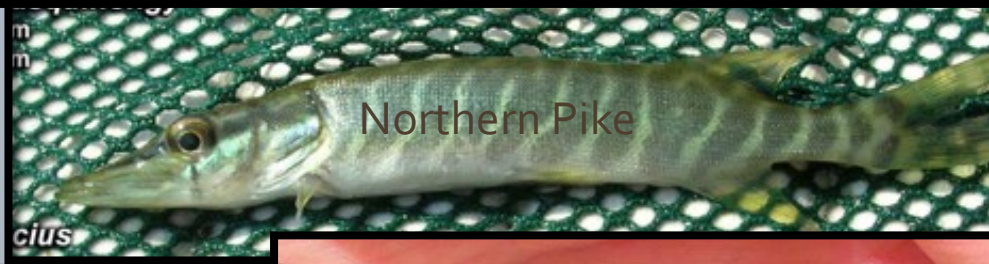
Ecosystem	Health Score 2022	Trend
Stream Health	FAIR	Stable
Fish	POOR	Stable
Benthic Invertebrates	FAIR	Stable
Water Quality	GOOD	Improving



A few fish species utilizing CLOCA creeks



Brook Stickleback



Northern Pike



Rainbow Trout

Photo Credit:
Dave (Gio) Giordano



Smallmouth Bass



Longnose Dace



Chinook Salmon



Rainbow Darter



Northern Redbelly Dace

© Robert J Eakins



Longnose Gar



What we found - wetlands

- Poor to Fair Scores, generally Stable or Increasing Trend
- Lots of challenges and opportunities for these important features



Ecosystem	Health Score 2022	Trend
Wetland Health	FAIR	Stable
Fish	FAIR	Stable
Benthic Invertebrates	FAIR	Stable
Water Quality	POOR	Increasing
Birds	FAIR	Increasing
Aquatic Vegetation	POOR	Increasing

SOURCES OF WATER POLLUTION



Low Total Suspended Solids
Low Turbidity

High Light Availability
Thriving Aquatic Ecosystem

High Total Suspended Solids
High Turbidity

Low Light Availability
No Plant Life



Astronomical light pollution reduces the number of visible stars

Unshielded lights can cause both astronomical and ecological light pollution

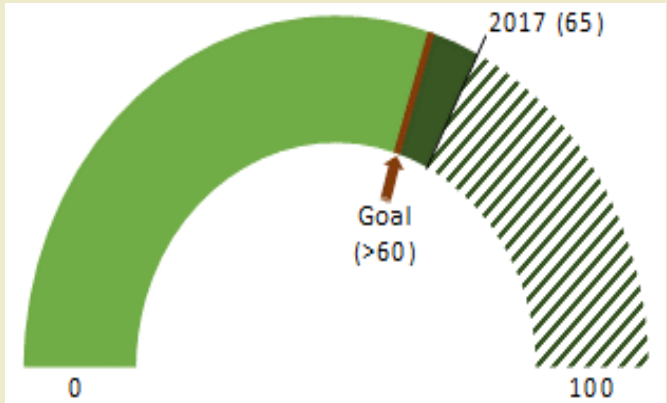
Sky glow from cities disrupts distant ecosystems

Tall, lighted structures are collision hazards

Shielded lights reduce astronomical light pollution but may still cause ecological light pollution



How we use the data

Conservation Target	Attribute	Indicator	Goal	Current Status
Forest Health	Breeding Birds	Breeding Bird Index of Biotic Integrity (IBI)	By 2040, achieve and maintain a minimum Breeding Bird IBI score of 60 in the Western Zone.	

Watershed Planning Process



How we use the data

Whitby Harbour Habitat Opportunity Plan

March 30, 2023



Prepared by CLOCA on behalf of Fisheries and Oceans Canada



Natural Heritage Restoration Prioritization Model

A METHODOLOGY

WATERSHED PLANNING & NATURAL HERITAGE

JUNE 2019

Restoration and Enhancement Action Plans



How we use the data

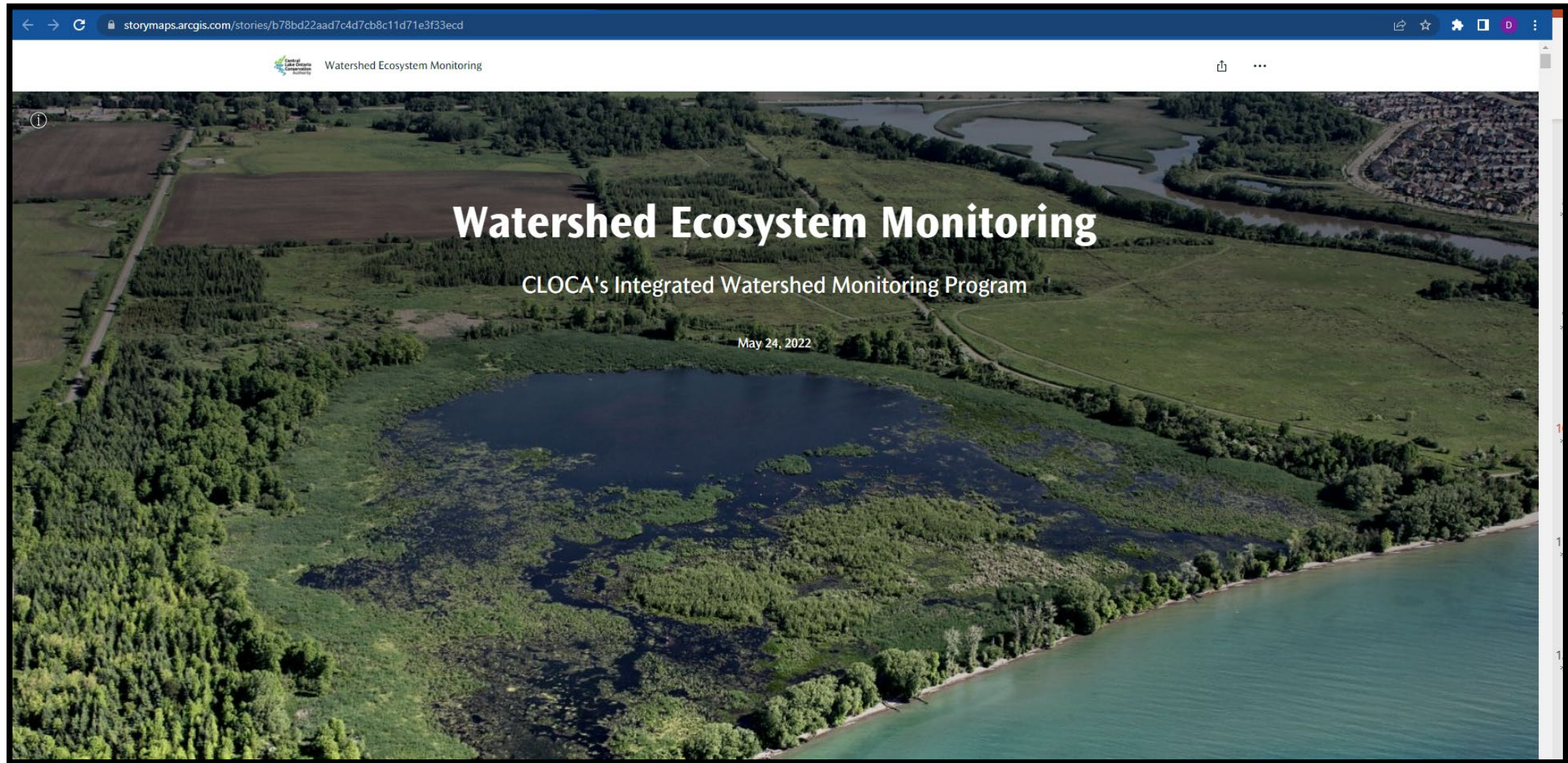
Restoration and Management

- Afforestation
- Managed Forest Tax Incentive Program
- Trees for Rural Roads
- Invasive Species Controls
- Erosion Control
- CA Land Management
- Urban Stewardship





CLOCA IWMP Storymap



Thank you!

For more information, contact dmoore@cloca.com