ECS Lunch and Learn

Supporting internal knowledge transfer within TRCA



June 23, 2021

Watershed and Ecosystems Reporting Hub

Introduction and Demo of TRCA's New Reporting Hub

Presented by: Shari Dahmer Project Manager, Watershed Planning & Reporting



June 23, 2021

Background

- TRCA issues The Living City Report Card (LCRC) and Conservation Ontario Watershed Report Cards every 5 years.
- Desire from TRCA's BOD and partners for more frequent and less technical reporting.
- TRCA recently launched the Watershed and Ecosystems Reporting Hub, which will be the modern version of the LCRC.





Acknowledgements

The development of the Reporting Hub required contributions from 30+ staff across the organization, including:

- Watershed Planning and Ecosystem Science
- Information Technology and Records Management
- Engineering Services
- Erosion Risk Management
- Sustainable Technologies Evaluation Program (STEP)
- Communications, Marketing and Events



Highlights

- Enables regular updates to watershed and waterfront condition reporting.
- Provides users with plain language orientation to the results of a broad array of TRCA monitoring data.
- Allows users to interactively explore data at various scales, including municipal.
- Reporting data is linked to TRCA's Open Data platform.

Environmental Indicators



Flooding *Riverine Flooding* • *Lake Ontario Shoreline Flooding* **Erosion** *Riverine Erosion* • *Lake Ontario Shoreline Erosion*



Future Precipitation Annual Average Precipitation • Annual Extreme Precipitation • Seasonal Extreme Precipitation **Future Temperature** Annual Average Temperature • Extreme Heat



Low Impact Development (LID) LID Supportive Policies and Programs

Environmental Indicators (cont'd)



Natural Cover

Natural Cover Quantity • Natural Cover Quality **Terrestrial Biodiversity** Forest Vegetation • Forest Birds • Wetland Vegetation • Wetland Birds • Frogs and Toads • Meadow Birds



Aquatic Communities and Habitats

Fish Communities in Streams • Benthic Communities in Streams • Stream Temperature **Groundwater Quantity** Groundwater Levels

Environmental Indicators (cont'd)



Stream Water Quality *Water Quality Index* **Groundwater Quality** *Chlorides in Groundwater* • *Nitrates in Groundwater*



Area of Concern Status Beneficial Use Impairments (BUIs) • BUI: Degradation of Aesthetics • BUI: Beach Closures Nearshore Fisheries Nearshore Fish Communities Western Durham Nearshore Water Quality Nearshore Total Phosphorus • Nearshore E.coli

Each Section Contains:

- Contextual Information
- Reporting on Indicators
 - Targets: Where do we want to be?
 - Current Conditions: Where are we now?
 Below Target
 Achieved Target
 - Trends: How are conditions changing?
 Improving: Conditions are getting better over time.
 Stable: Conditions are generally not changing over time.
 Declining: Conditions are getting worse over time.
 - Dashboards: Dynamic visualization of the data



Reporting Hub Demonstration





Next Steps

- Annual updates to data (where available)
- New indicators
- Incorporation of watershed planning
 - Enable tracking of progress against watershed plan implementation.



Request to TRCA Staff

- Help promote the Reporting Hub through your network.
- Let us know how you are referencing the Reporting Hub in your daily work.
- Help us improve the platform by providing feedback.

Feedback

- Have you explored the Reporting Hub? Did you find it was easy to navigate?
- Are there specific pages and/or indicators that you find most useful?
- Are there additional indicators that you would like to see incorporated into the Reporting Hub?
- Do you have any additional feedback you would like to provide?

If you have any questions or feedback please contact us at: reportinghub@trca.ca



Upcoming ECS Lunch and Learns!

Wednesday, July 14 11:00am-12:00pm TRCA's Water Resource System

By Jonathan Ruppert

Wednesday, August 4 11:00am-12:00pm

Broadview and Eastern EA and Port Lands Flood Protection Implementation

> By Meg St John and Maryam Iler

Tuesday, September 14 11:00am-12:00pm

TRCA's Road Ecology Program

By Lyndsay Cartwright, Namrata Shrestha, Andrew Chin, David Lawrie

Learning Management System

🚹 Home

💄 Work

រ Earnings

Benefits

E Learning

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New! Scientific Knowledge Sharing Hub

Staff Hub Conservation Authority	lub Spaces Staff Directory Tools & Resources Logou
Home CEO Update News HR Recognition Support - More -	Search the Staff Hub
Home > Scientific Knowledge Sharing	Knowledge Sharing: Learn More
Evidence-based decision making is at the core of what TRCA does. Several of our Business Units engage in generating new scientific knowledge to support watershed management actions and decisions.	 Watershed and Ecosystems Reporting Hub Environmental Monitoring Research and Science Working Group TRCA Research Agenda Development and Engineering Services Hub Space
It is critical that the knowledge generated is effectively shared.	
The Scientific Knowledge Sharing platform is dedicated to sharing the latest scientific knowledge generated by TRCA and our partners. It is a place where staff can learn about and engage in the scientific work TRCA is undertaking.	SUBMIT A RESOURCE
PLEASE NOTE: There are several TRCA teams engaged in generating new scientific knowledge. Currently the content on the platform is specific to the Watershed Planning and Ecosystem Science business unit. Additional content from other TRCA teams will be added as the platform develops.	
	Knowledge Sharing: Latest
	Updates Knowledge Sharing - Climate Change Analysis at the Local Scale April 19, 2021 by Hub Admin (Featured)

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Thank you

For questions about the ECS Lunch and Learn Series, please contact:

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