

FOR OFFICE USE ONLY		Attention: Regional Clerk Regional Municipality of Peel 10 Peel Centre Drive, Suite A Brampton, ON L6T 4B9 Phone: 905-791-7800 ext. 4582 E-mail: council@peelregion.ca	
MEETING DATE YYYY/MM/DD 2023/06/22	MEETING NAME Regional Council		
DATE SUBMITTED YYYY/MM/DD 2023/06/07			
NAME OF INDIVIDUAL(S) Quentin Hanchard, John MacKenzie			
POSITION(S)/TITLE(S) Chief Administrative Officer, Chief Executive Officer			
NAME OF ORGANIZATION(S) Credit Valley Conservation Authority, Toronto and Region Conservation Authority			
E-MAIL victoria.kramkowski@trca.ca	TELEPHONE NUMBER (647) 920-1632	EXTENSION	
INDIVIDUAL(S) OR ORGANIZATION(S) ADDRESS 101 Exchange Avenue, Vaughan, ON, L4K 5R6			
REASON(S) FOR DELEGATION REQUEST (SUBJECT MATTER TO BE DISCUSSED) 2023 Mid-Year Update Presentation - delivered in-person jointly between CVC and TRCA.			
A formal presentation will accompany my delegation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Presentation format: <input checked="" type="checkbox"/> PowerPoint File (.ppt) <input checked="" type="checkbox"/> Adobe File or Equivalent (.pdf) <input type="checkbox"/> Picture File (.jpg) <input type="checkbox"/> Video File (.avi,.mpg) <input type="checkbox"/> Other <input type="text"/>			
Additional printed information/materials will be distributed with my delegation : <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Attached			
Note: Delegates are requested to provide an electronic copy of all background material / presentations to the Clerk's Division if possible 72 hours, but not less than 24 hours, prior to the meeting start time. Delegation requests and/or materials received after 9:30 a.m. on the Wednesday prior to the meeting will not be provided to Members. Delegation requests received less than 72 hours prior to the meeting start time that relate to an item listed on the agenda will be added to the agenda only upon the approval of Council or Committee at the meeting. Delegates should make every effort to ensure their presentation material is prepared in an accessible format. Once the above information is received in the Clerk's Division, you will be contacted by Legislative Services staff to confirm your placement on the appropriate agenda. In accordance with Procedure By-law 56-2019, as amended, delegates appearing before Regional Council or Committee are requested to limit their remarks to 5 minutes and 10 minutes respectively (approximately 5/10 slides). Delegations may only appear once on the same matter within a one-year period, unless a recommendation pertaining to the same matter is included on the agenda within the one-year period and only to provide additional or new information.			
Please save the form to your personal device, then complete and submit via email attachment to council@peelregion.ca			

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(Municipal Freedom of Information and Protection of Privacy Act)

Personal information contained on this form is authorized under Section 5.4 of the Region of Peel Procedure By-law 56-2019, as amended, for the purpose of contacting individuals and/or organizations requesting an opportunity to appear as a delegation before Regional Council or a Committee of Council. The completed Delegation Request Form will be redacted and published with the public agenda. The Procedure By-law is a requirement of Section 238(2) of the Municipal Act, 2001, as amended. Please note that all meetings are open to the public except where permitted to be closed to the public under legislated authority. All Regional Council and Committee meetings are live streamed via the internet and meeting videos are posted and available for viewing subsequent to those meetings. Questions about collection may be directed to the Manager of Legislative Services, 10 Peel Centre Drive, Suite A, 5th floor, Brampton, ON L6T 4B9, (905) 791-7800 ext. 4462.

Please save the form to your personal device, then complete and submit via email attachment to council@peelregion.ca

2023 Mid-Year Update Presentation

Conservation Authorities in Region of Peel

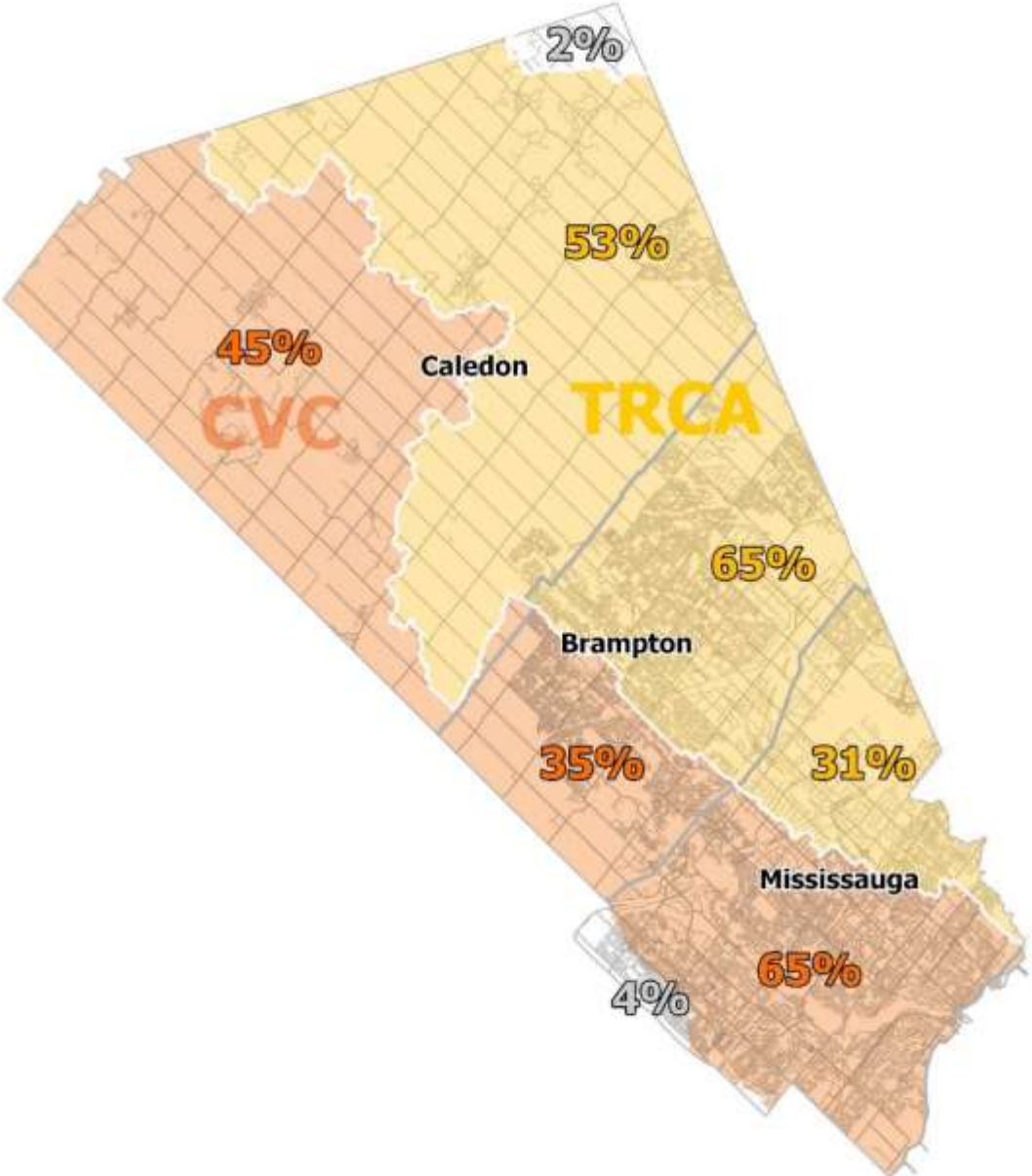
Presented by:

Quentin Hanchard, Chief Administrative Officer, Credit Valley Conservation; and
John MacKenzie, Chief Executive Officer, Toronto and Region Conservation Authority

June 22, 2023



Conservation Authorities in Peel Region

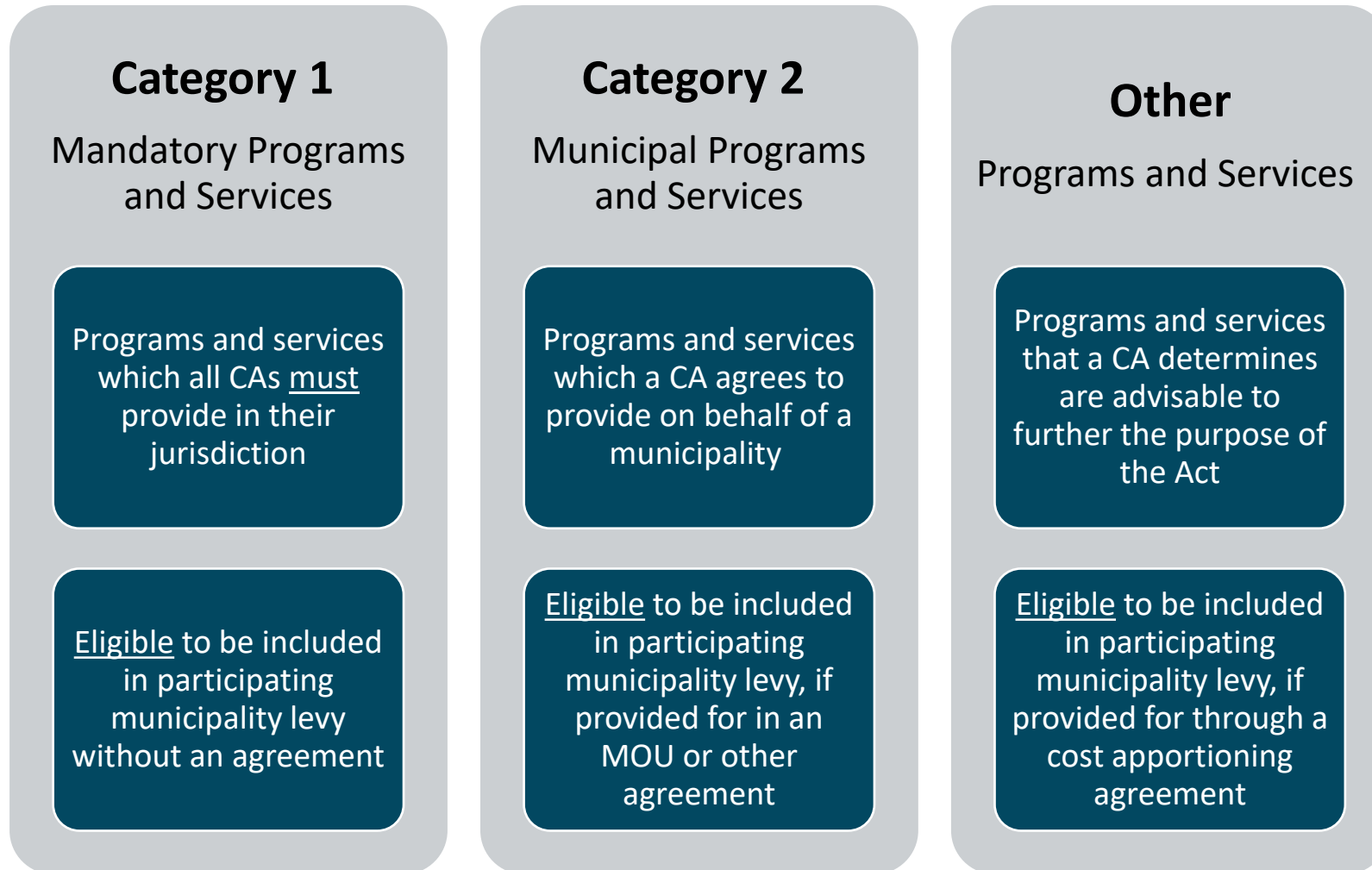


Conservation Authority	Region of Peel Current Value Assessment (CVA)	2023 Total (\$)
CVC	91.66%	26,682,407
TRCA	10.88%	20,154,221

	Anticipated Brampton CVA	Anticipated Caledon CVA	Anticipated Mississauga CVA
CVC	22.10%	4.87%	64.69%
TRCA	5.28%	0.84%	4.76%

Conservation Authority Programs and Services

(Sections 21.1, 21.1.1, and 21.1.2 of the Act)



Memorandums of Understanding (MOUs)

- CAs and participating municipalities are required by the Conservation Authorities Act to enter into MOUs in order for CAs to deliver Category 2/municipally-requested services by **January 1, 2024**
- CVC, TRCA and Region of Peel have a collaborative and transparent budget process to identify and deliver joint priorities
- MOUs allow municipally-requested services to continue to be delivered and funded through existing budget processes with participating municipalities
- CAs and Peel Region must enter into MOUs to cover the 2024 budget year

Category 1 Priorities

Flood

Managing Risk

Flood Risk Identification

Mitigation

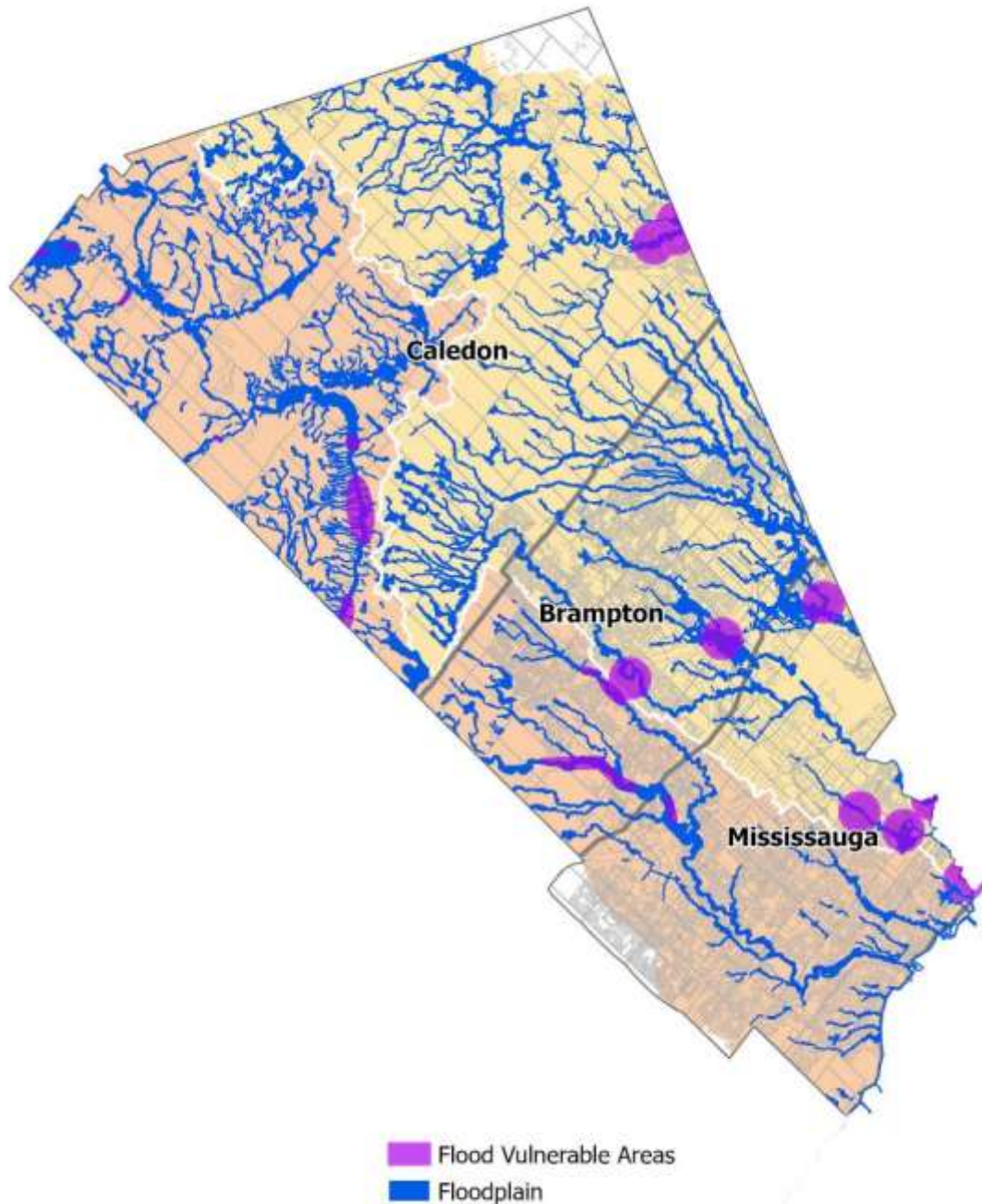
Minimize the Loss of Life & Property

Flood Forecasting and Warning Centre

Flood Remediation Projects

Flood Control Infrastructure

Public Awareness





TRCA - Flood

- Flood Infrastructure Asset Management Plan draft complete, State of Repair report public
- Flood Vulnerable Road & Crossing Hydraulic Capacity Assessment
- Glen Haffy Dam Feasibility Study (Caledon)
- Claireville Dam Wing Wall Repair (Brampton)
- Palgrave Dam Spillway: CCTV flood monitoring camera install complete in Q3, deficiency repair report received in draft (Caledon)
- Management and dissemination of **97** flood line maps and supporting hydrologic/hydraulic models for Peel Region

CVC - Flood

- Flood Forecasting & Warning Program: new River Watch App, built flood alarms on gauge network, ongoing support for Churchville flood response
- Water Infrastructure Program: Dam Safety Review and improvements for Wolf Lake, multiple maintenance projects at Island Lake, Erindale Ice Control Structure maintenance (Mississauga)



Erosion

Managing Risk

Protecting Life & Property

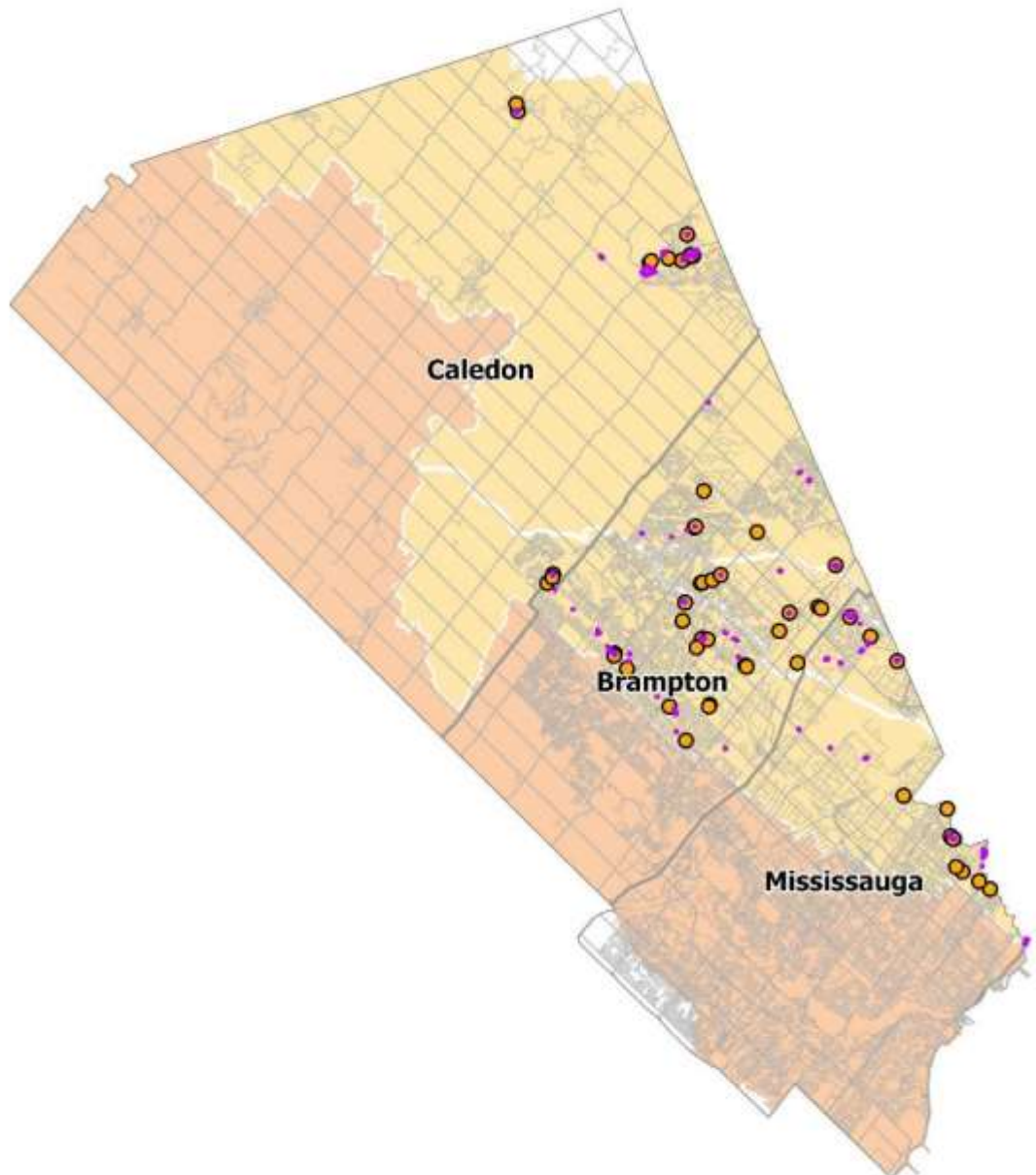
Erosion & Slope Instability

Erosion Identification

Assessment & Remediation Services

Conservation Authority Owned Assets,
Municipal, Provincial & Private Property

Public Awareness



■ Erosion Projects
● Erosion Hazards

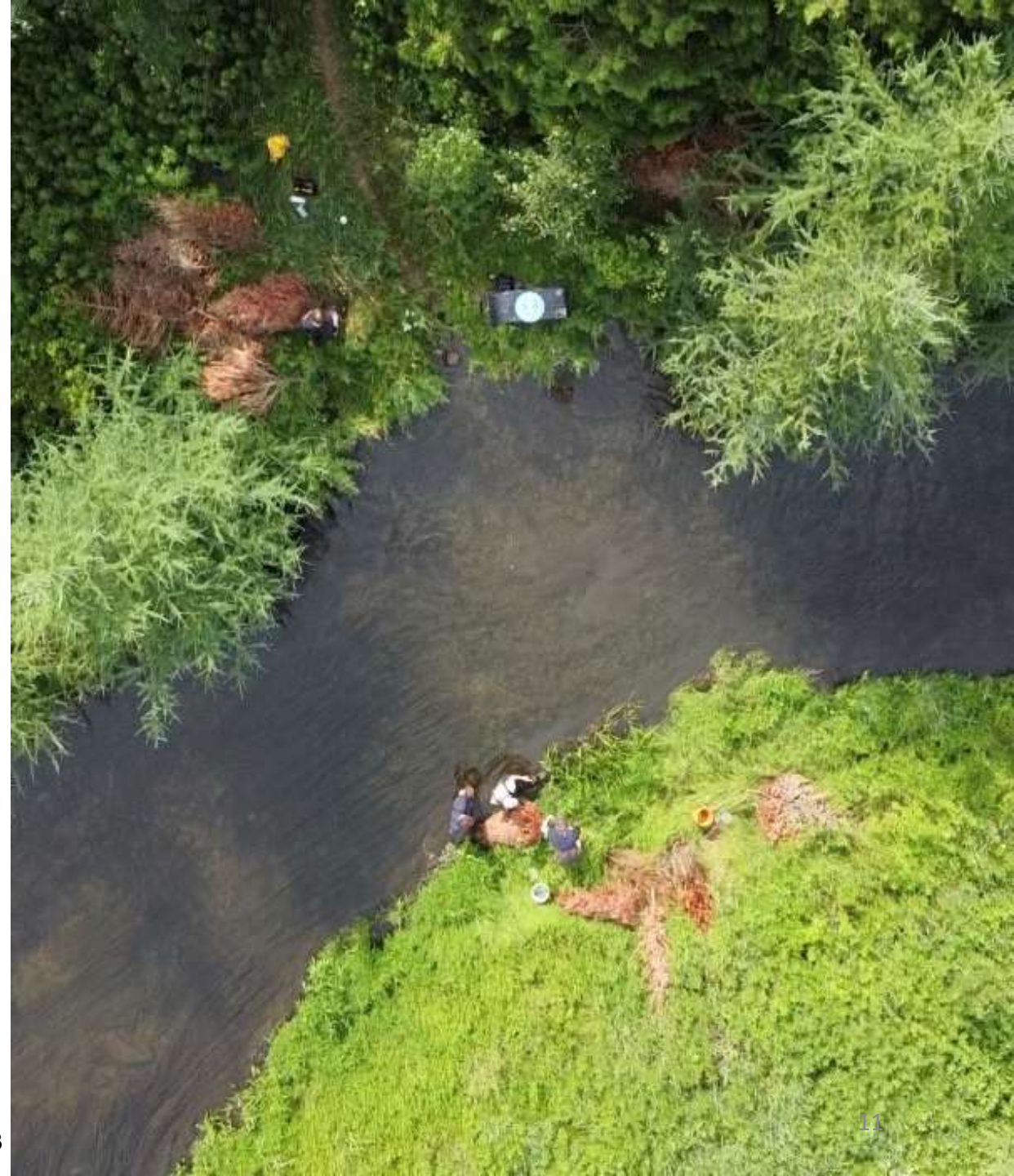


TRCA - Erosion

- Implementation of bank stabilization and sanitary infrastructure protection:
 - 3 sites (2 critical priority) at Hazelwood Park South (Brampton)
 - 1 site at the watercourse near Bramalea Rd. & Queen St. (Brampton)
- Planning and design of 8 sites for future implementation:
 - Crawley Park (Brampton)
 - Derry Greenway (Mississauga)
 - Jayfield Park (Brampton)

CVC - Erosion

- Expanding stream power mapping tool to 3rd order watercourses to support erosion management across the watershed
- Fletcher's Creek erosion inventory (Brampton)
- Continuing to manage erosion hazards through the permit review process



CA-Owned Greenspaces

Strategic Conservation Land Acquisition

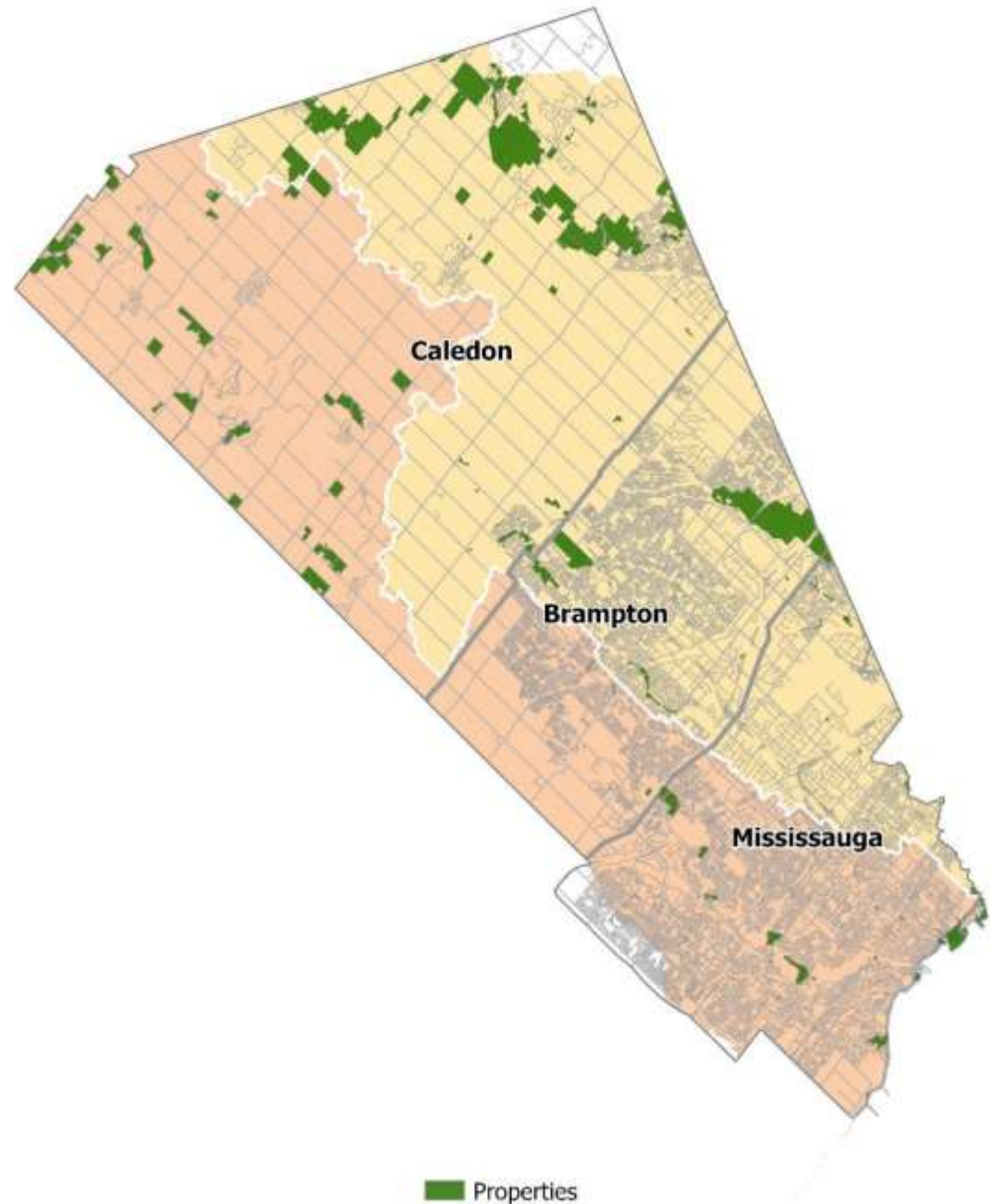
Leverage natural systems and natural heritage protection

Management CA owned lands

Passive & Nature-Based Recreation

Public Access

Conservation Area Strategy





TRCA - Greenspaces

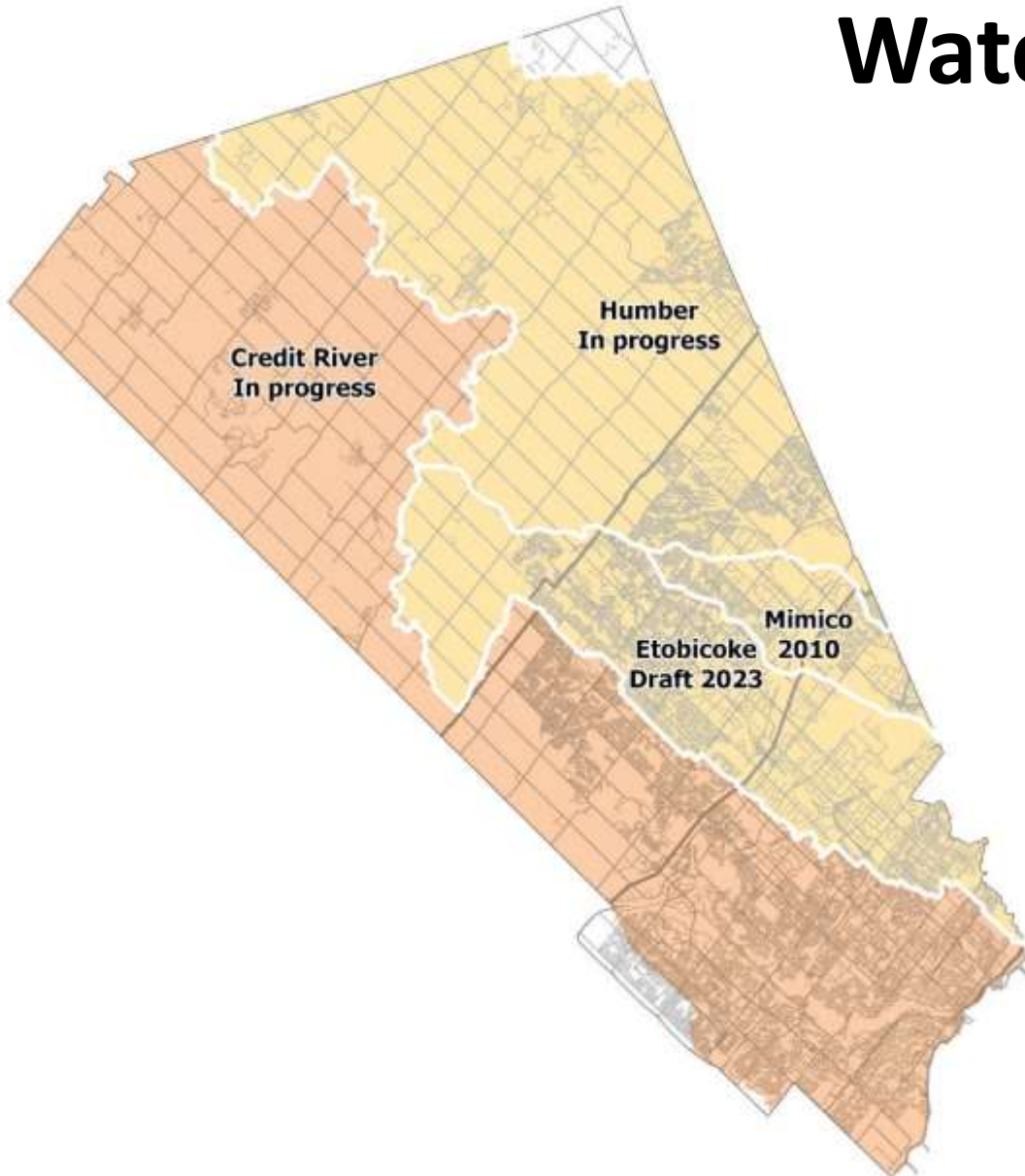
- Glen Haffy and TRCA Niagara Escarpment Parks and Open Space System Properties Master Plan (Caledon)
- Ongoing Albion Hills Master Plan implementation (Caledon)
- Claireville North Multi-use Trail completion (Brampton)
- **200 km** trails at conservation parks and lands maintained
- Construction of Bolton Camp site entrance to be completed with **\$750k** funding through Canada Community Revitalization Fund (Caledon)

CVC - Greenspaces

- **\$4M** Active Transportation Grant to support Jim Tovey Lakeview Conservation Area Public Realm Design (Mississauga)
- Pits to Parks Master Planning
- Growing our Greenspace - Prazares
- New building, trails & boardwalks at Ken Whillans CA (Caledon)
- Crane Gathering Space at ILCA/CVT Northern Trailhead (**\$750k** grant through Canada Community Revitalization Fund)
- New Pylon Signs – Head Office and Ken Whillans (Mississauga and Caledon)



Watershed Planning and Knowledge



Watershed-based, Comprehensive Planning & Reporting

Risk Assessment

Natural Hazard & Natural Resource Management

Ecosystem Management Research

Wetlands, Rivers/Streams, Shoreline Areas, Unstable Soils

Groundwater Monitoring Program

Provincial Stream Monitoring Program

Biodiversity Monitoring



TRCA - Watershed Planning

- Etobicoke Creek Watershed Plan (Caledon, Brampton, Mississauga)
 - Draft document complete,
 - Engagement planned for Q3
 - Pilot watershed planning hub **75%** complete, anticipated Fall release
- Humber River Watershed Plan (Caledon, Brampton, Mississauga)
 - Current state characterization **95%** complete, future management scenarios assessment **20%** complete
- Framework for integrating climate change science & adaptation measures more strongly into watershed plans & monitoring programs



TRCA - Knowledge

- Operate **12** real-time stream and precipitation gauge stations, **5** remote stream, **3** precipitation gauges and collect monthly water quality samples at **51** Surface Water Quality stations (**13** Provincial Water Quality Monitoring sites)
- CTC Source Protection Plan implementation & update to TRSPA Assessment Report
- Conservation authority planning and knowledge protects property, people & investments through safe, suitable and science-backed development decisions

CVC – Watershed Planning

- Credit River Watershed Plan Phase 1 and Phase 2 (Caledon, Brampton, Mississauga)
- Accelerating the delivery of watershed planning implementation tools
- Source water protection outreach continues with webinars, newsletters, social media and on-site well and septic assessments.

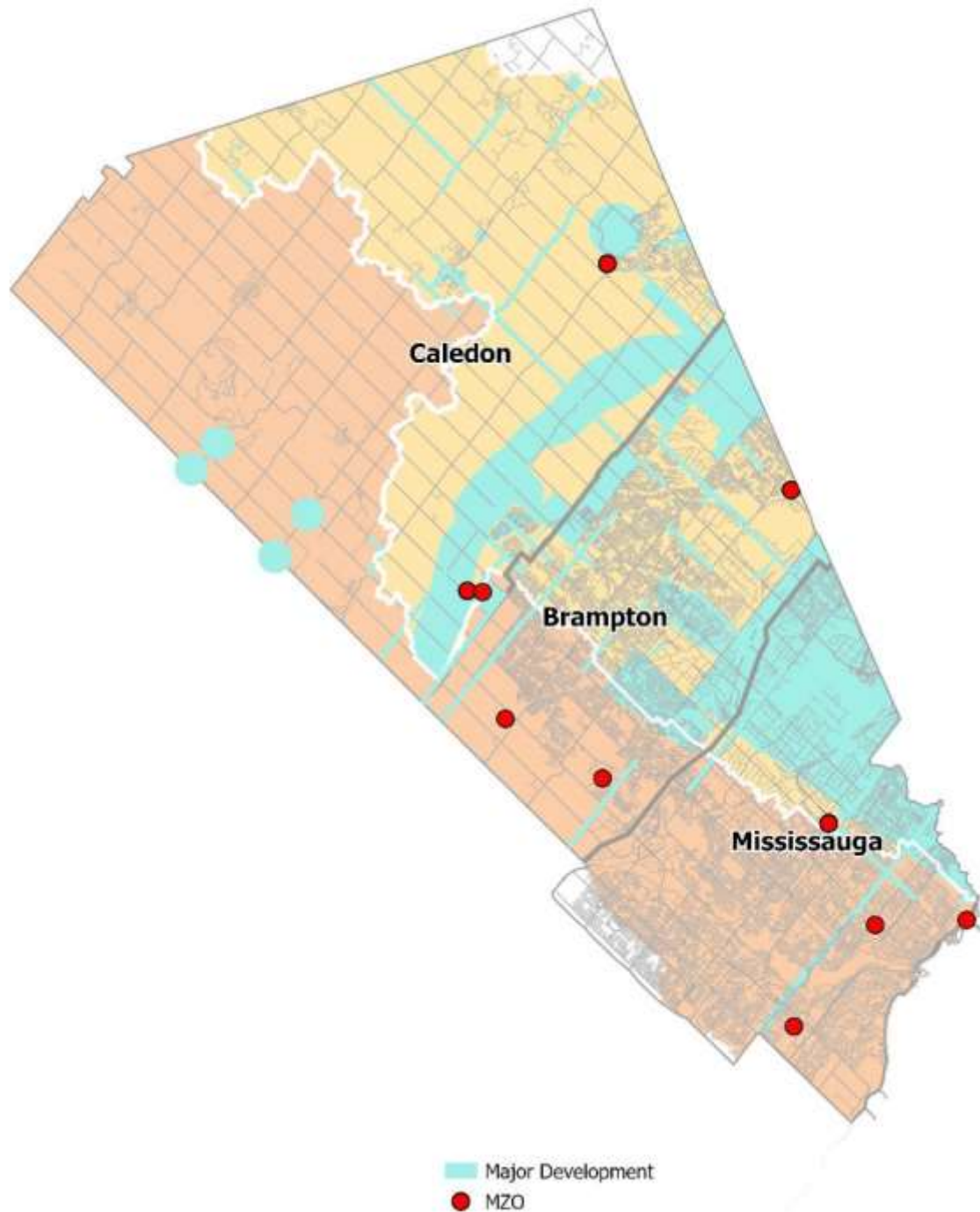


CVC - Knowledge

- Operate **32** real-time streamflow stations, **11** real-time water quality stations, long-term monitoring program includes **30** forest sites, **30** wetland sites, **92** stream sites, **15** groundwater sites, **8** climate sites
- Technical guidance and support: mapping updates, NHS, urban forests, road and valley crossing, ecosystem offsetting, watershed planning
- Exploring forward-looking technology to inform decision making and in the ground actions – remote sensing, drone technologies, LiDAR.



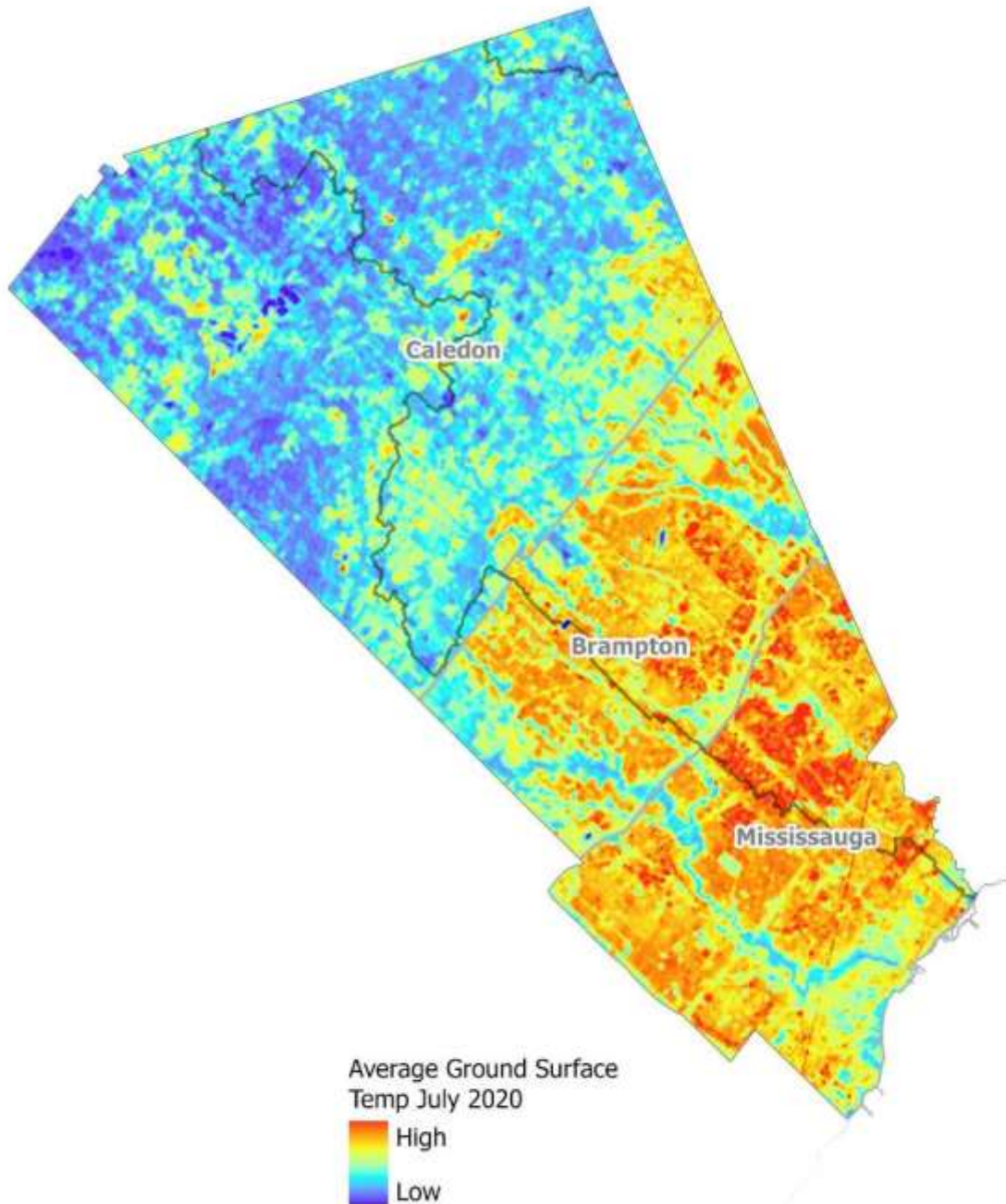
Major Developments



- Peel Region Municipal Comprehensive Review (MCR) – Official Plan Conformity
- Monitor and advise on MZOs
- Complete update to TRCA Planning and Development Procedural Manual

Hazards

Understanding Natural Hazards Risks
Climate Change Impacts, Extreme Weather
Increase Resilience
Watersheds & Natural Systems
Forest Management
Policy Development & Review
Development Planning & Regulation
Permitting
Environmental Assessments





TRCA – Hazards

- Inventorying, strategizing, mitigating and adapting to hazards (inc. heat), through research and plans for forest cover and natural green infrastructure
- CAs commenting role for development and infrastructure approvals under Planning Act and EA Act
- Providing Development Review and Supporting Implementation of Environmental Planning Policy direction for Secondary Planning
- Complete annual updates to TRCA Regulation mapping

CVC - Hazards

- Updating Flood Hazard Mapping for Fletcher's Creek (Mississauga, Brampton)
- Updating Flood Hazard Mapping for Levi Creek (Mississauga, Brampton)
- Updating Flood Hazard Mapping for Mullet Creek (Brampton)
- Hydraulic Capacity Assessment for Region of Peel Flood Vulnerable Road Crossings



Category 2 Priorities

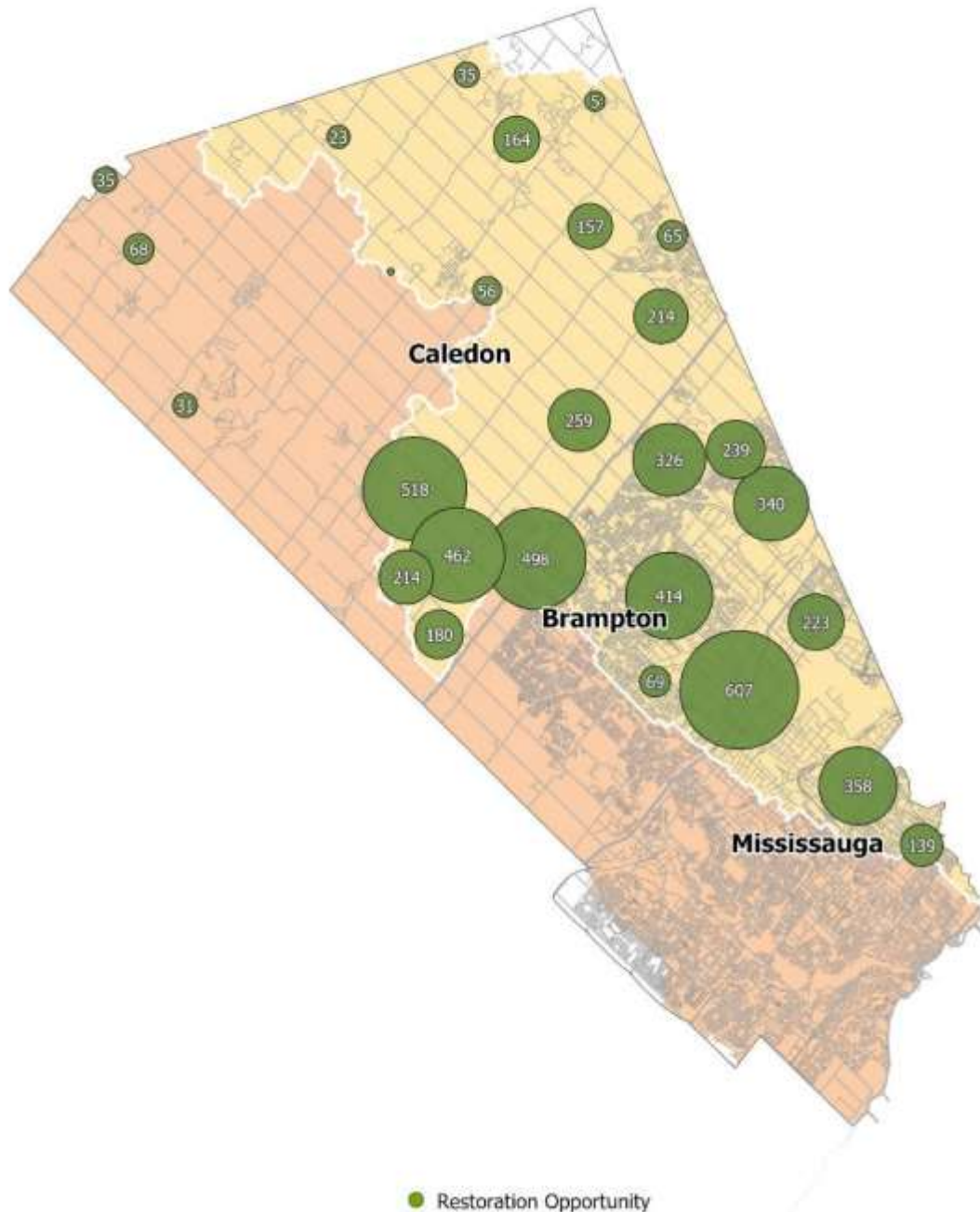
Restoration

Comprehensive & Integrated
Environmental Restoration Services

CA Owned Assets, Public Sector
Partners & Private Clients

Protecting, Conserving, Rehabilitating &
Managing Natural Heritage

Comprehensive & Integrated Forest
Management, Reforestation





TRCA - Restoration

- Eastbourne Park conceptual designs completed, channel naturalization construction initiated, **50%** completion in 2023, **100%** by Fall 2024 (Brampton)
- Detailed designs for remainder of Eastbourne and Fallingdale underway (Brampton)
- Invasive Species Management at Albion Hills, Claireville and Heart Lake (Caledon, Brampton):
 - **4 ha** managed
 - **1.5 ha** field of European buckthorn removal & new infrastructure
- **45m** bank stabilization complete including plantings at Paul Coffey Park (Mississauga)
- **\$2.5** million awarded in 2023 across **5** grants in Peel, leveraging over **\$3.3** million municipal funds for community impact

CVC - Restoration

- Caledon Creek Forest plantation thinned (2 other sites marked for 2023)
- **19,165** trees and shrubs planted at **8** properties
- **10.2 ha** of grassland and meadow habitat creation with **4** private landowners engaged
- **3** priority hemlock stands surveyed for Hemlock Woolly Adelgid (2 CAs and Forks of the Credit Provincial Park)
- **22 ha** Invasive species management inventoried at 5 CAs
- East Credit Dam decommissioning Feasibility Study completed and detailed design underway (Caledon)



Stewardship

Engage Stakeholders

Residents, New Canadians, Government,
Private Sector And NGOs

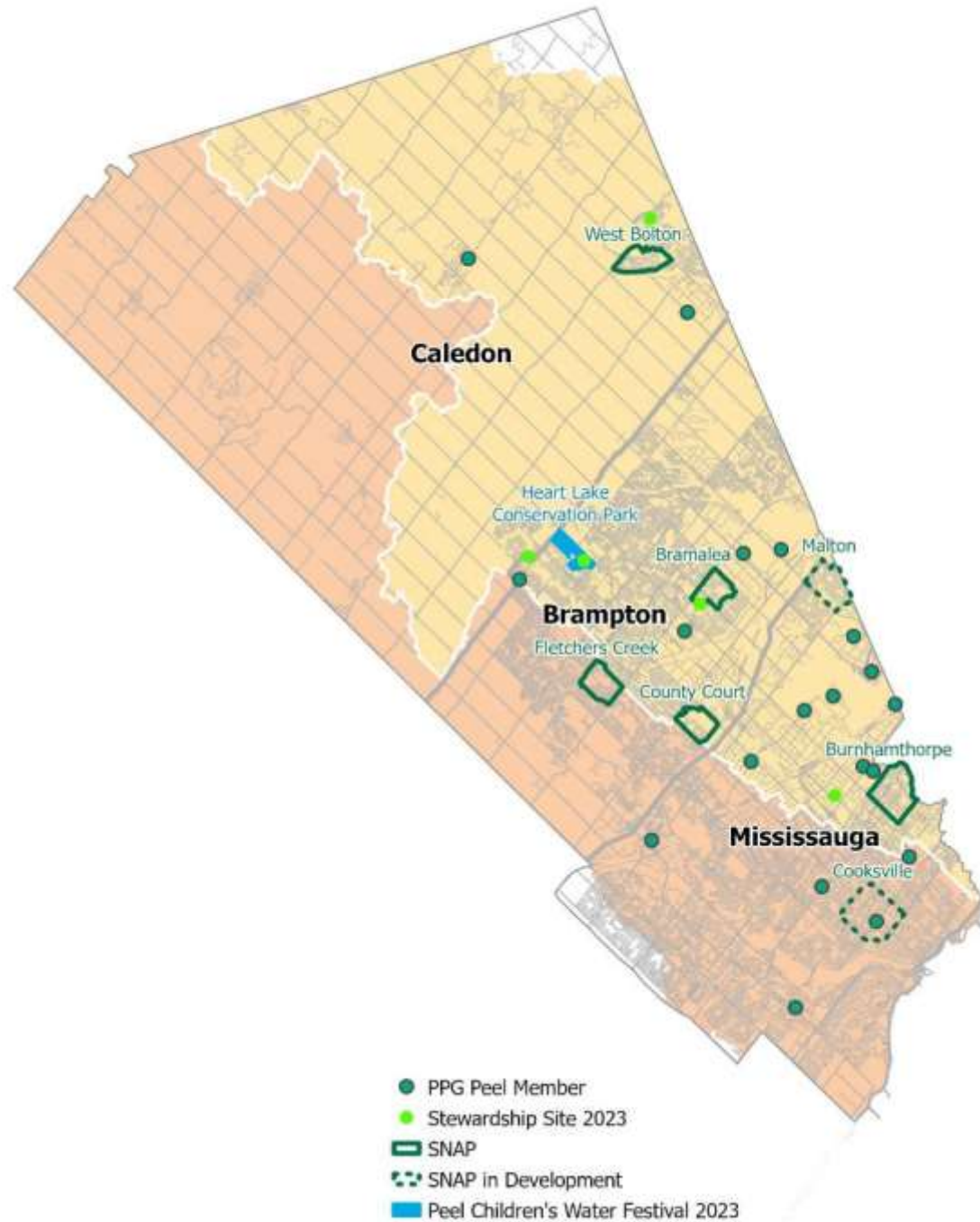
Achieving Healthy Ecosystems

Community Well-being

Regional Sustainability

Resilience Development

Climate Consortium, Partners in Project
Green, Rural Clean Water





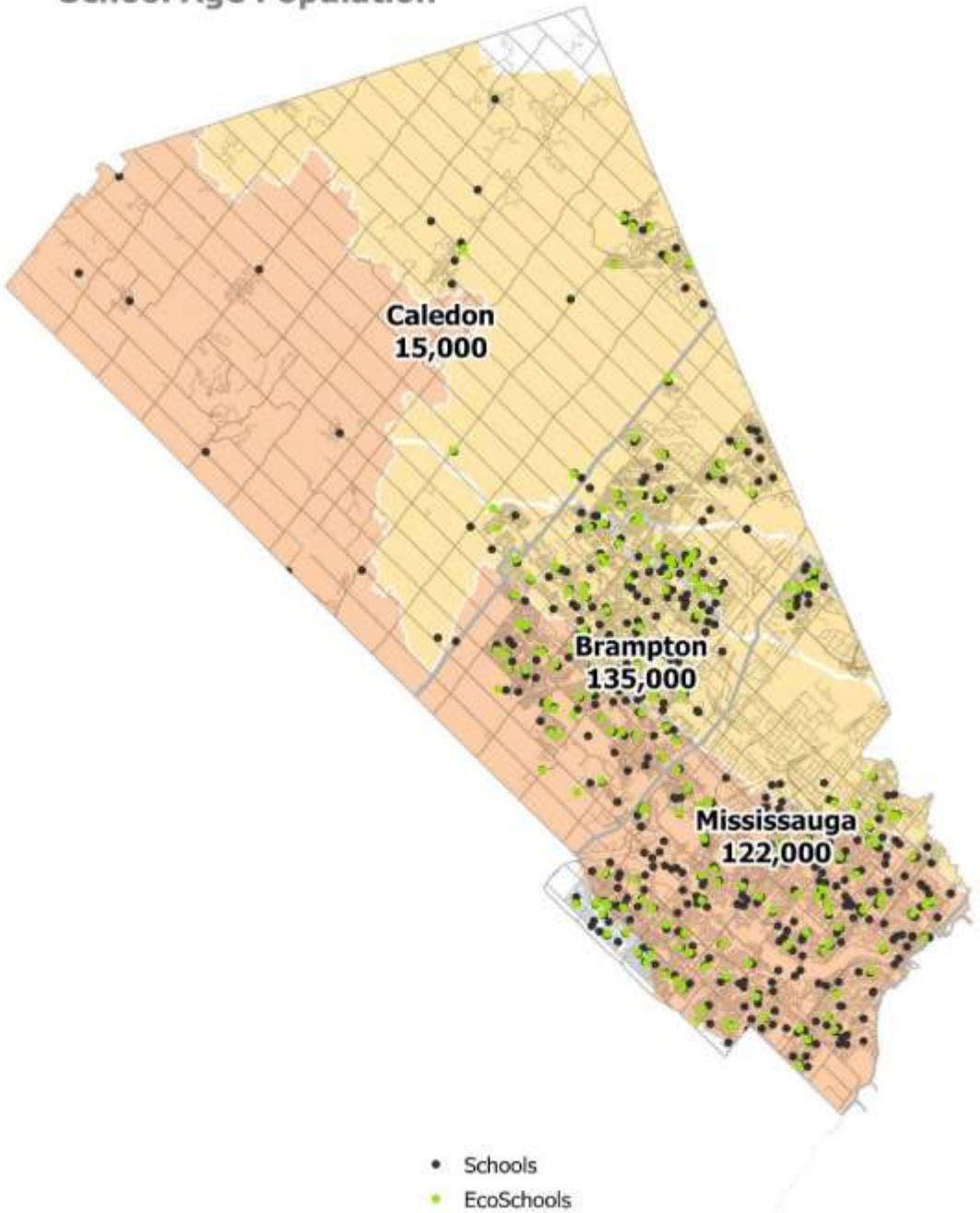
TRCA - Stewardship

- SNAP Locations: Chelsea Gardens (Brampton), Stationview Place and Jane's Place (Caledon)
 - Concept Plans
 - Advancing Growing Healthy Towers
 - Tenant Engagement
- Collaborating with the Black Youth Farming Collective at the McVean farm to support their training program and highlight the importance of local food
- **1k** participants planted **4k** trees and shrubs across **26** events in Peel
- **4k** children from **56** schools participated in Peel Children's Water Festival

CVC - Stewardship

- **1.8k** youth, community, and corporate volunteers planted **4k** trees, picked up **600lbs** of litter, and restored **3 ha** of land at **50** events (Caledon, Brampton, Mississauga)
- ALUS Peel pilot program had **18 ha** of private land enrolled (Caledon)
- 2023 target for private land tree planting met and launched a campaign to enroll more.
- Urban home tree planting on track to reach **450** homeowners in Fletchers Creek SNAP and **3** priority wards of Mississauga
- Sustainable landscaping assessments at **6** corporate sites and implementation of **5** green infrastructure projects (Mississauga)





Education

Environmental Education

Complement Ontario Curriculum

Tailored: Classroom, Community, Field
Trip Locations

Programming at CA Lands & Facilities

Family & Community

Integration & Support Services



TRCA - Education

- EcoSchools engages with **226k** students and **24k** staff, representing two of the Region of Peel's largest employers
- Environmental Leaders of Tomorrow Program: **20** classes and **520** students, targeting priority communities for access to environment learning services
- Redevelopment of former TDSB operated Etobicoke Field Studies Centre at Claireville Conservation Area as the Claireville Nature Centre with year-round programs (Brampton)
- Enhanced programming at Albion Hills

CVC - Education

- **2.6k** kindergarten to grade 5 students took field trips to Terra Cotta Conservation Area's Education Centre
- **620** grade 6-12 students received in-school Branch Out presentations (Caledon, Brampton, Mississauga)
- **75** highschool youth participated in the EcoBuzz Conference and CVC's Frontline Leadership Program (Caledon, Brampton, Mississauga)
- **6k** people engaged in family-friendly community education activities at the Maple Syrup Festival, community booths, and multicultural programs



Sustainable Communities

Sustainability

Resilience Development

Healthy Ecosystems

Community Well-being

Climate Consortium, Partners in Project

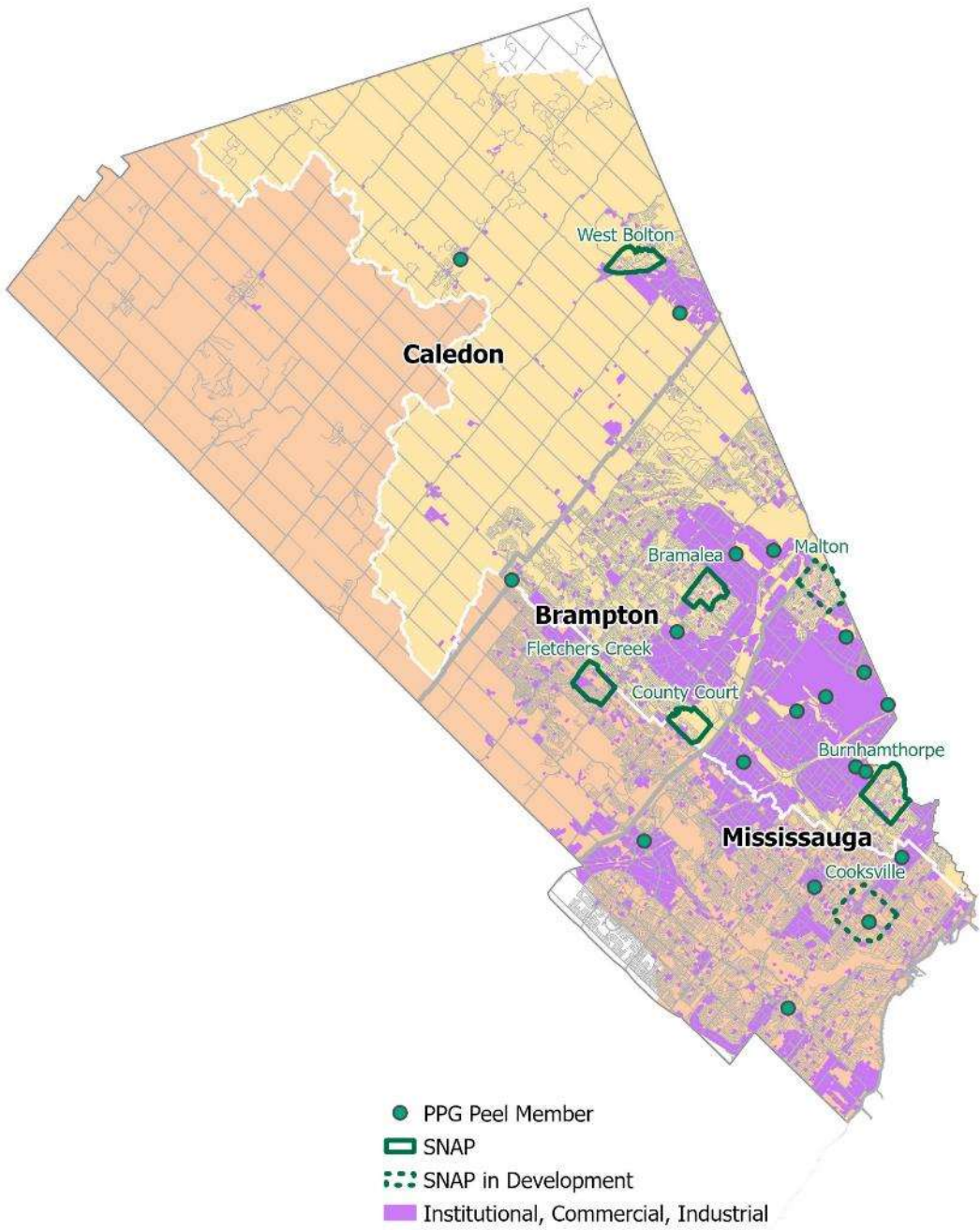
Green, Sustainable Technology

Evaluation Program, Rural Clean Water

Engagement

Residents, Government, Private Sector,

NGOs





CVC & TRCA

Green Infrastructure

- Supporting Peel inventory and condition assessment of existing assets
- Services inc. design review, inspections, support tools for Peel LID sites
- Peel stormwater pond training scheduled
- Air source heat pump install subsidization pilot in single family homes
- **12** technologies being evaluated
- **29** knowledge sharing events hosted
- Launched Mississauga Climate Leaders Program - helping reduce greenhouse gas emissions and advancing corporate sustainability goals for local businesses (Mississauga)



CVC & TRCA

- **23** Peel properties inventoried LID features for (**36+** features)
- Developed LID inspection methodology to evaluate maintenance needs
- Developed contractual language/ special provisions for LID design for the Design and Construction Group
- Performed technical peer review of LID designs and trained Peel staff
- Prepared LID acceptance inspection reports for **3** road projects
- Together with Town of Caledon, expanding GreenBiz Caledon Resource Hub in late 2023 through Partners in Project Green (Caledon)

Next Steps

Next Steps

- 2024 Conservation Authority Budget Presentations – November
- MOU Approvals – Ongoing
- Working with Region of Peel on Transition 2025 - Ongoing





**Credit Valley
Conservation**
inspired by nature



Toronto and Region
Conservation
Authority