



# Toronto and Region Conservation Authority

## Board of Directors Meeting Agenda

The meeting will be conducted via a video conference  
Members of the public may view the livestream at the following link:  
<https://video.isilive.ca/trca/live.htm>

September 27, 2024  
9:30 A.M.

Pages

1. CALL TO ORDER
2. ACKNOWLEDGEMENT OF INDIGENOUS TERRITORY
3. DISCLOSURE OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF
4. MINUTES OF THE TRCA BOARD OF DIRECTORS MEETING #6/24, HELD ON JUNE 21, 2024  
[Minutes Link](#)
5. DELEGATIONS
6. PRESENTATIONS
7. CORRESPONDENCE
8. SECTION I - ITEMS FOR BOARD OF DIRECTORS ACTION

<b>8.1</b>	<b>KEATING CHANNEL DOCKWALL INSPECTION AND STRUCTURAL INVESTIGATION STUDY</b>	<b>10</b>
	Award of Request for Proposal (RFP) No. 10041335 for professional engineering consulting services to inspect and conduct structural stability analyses on the dockwalls at Keating Channel in Toronto.	
<b>9.</b>	<b>SECTION III - ITEMS FOR THE INFORMATION OF THE BOARD</b>	
<b>9.1</b>	<b>PROCUREMENTS APPROVED UNDER DELEGATED AUTHORITY OVER SUMMER RECESS IN 2024</b>	<b>16</b>
	Report procurements approved by the Chief Executive Officer (CEO) under delegated authority over the “summer recess” to ensure business continuity including support for municipal and partner supported programs and projects.	
<b>9.2</b>	<b>JULY 16, AUGUST 17, AND AUGUST 18, 2024, SEVERE WEATHER EVENTS</b>	<b>22</b>
	Significant rain events on July 16, August 17, and August 18 occurred within TRCA’s jurisdiction resulting in significant impacts in the cities of Mississauga and Toronto. These storm events exceeded the 1 in 100-year return period storm events. The report provides information on the storms, TRCA’s responses before, during, and after the events, and identifies potential improvements for subsequent consideration.	
<b>9.3</b>	<b>UPDATE ON MINISTER’S ZONING ORDERS UNDER THE PLANNING ACT IN TRCA’S JURISDICTION</b>	<b>66</b>
	To update and inform the Board of Directors on the current state of Minister’s Zoning Orders (MZOs) under the <u>Planning Act</u> in TRCA’s jurisdiction as per previous Board direction.	
<b>10.</b>	<b>MATERIAL FROM EXECUTIVE COMMITTEE MEETING</b>	
	Executive Committee Minutes	
<b>10.1</b>	<b>SECTION I - ITEMS FOR BOARD OF DIRECTORS ACTION</b>	

### 10.1.1 AGRICULTURAL LEASE WITHIN GLASSCO PARK

Seek authority to enter into a new agricultural lease with Gillian Evans on a portion of Ontario Heritage Trust (OHT) owned lands known as 'Glassco Park', currently managed by Toronto and Region Conservation Authority (TRCA), located north of Major Mackenzie Drive, and west of Pine Valley Drive, in the City of Vaughan, Regional Municipality of York, Humber River watershed (CFN22159).

(Link to report excluding appendices: [Executive Committee RES.#B 48/24](#))

*\*location has been updated to north of Major Mackenzie Drive*

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### 10.1.2 AGRICULTURE LEASE FOR PASTURE USE IN GLASSCO PARK

Seek authority to enter into a new agricultural lease with Gordon Colbourne on a portion of the Ontario Heritage Trust (OHT) owned lands known as 'Glassco Park', currently managed by Toronto and Region Conservation Authority (TRCA), located north of Major Mackenzie Drive, and west of Pine Valley Drive, municipally known as 4816 Major Mackenzie Drive, in the City of Vaughan, Regional Municipality of York, Humber River watershed (CFN22159).

(Link to report excluding appendices: [Executive Committee RES.#B 49/24](#))

*\*location has been updated to north of Major Mackenzie Drive*

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### **10.1.3 LAND LEASE RENEWAL – TOWN OF STOUFFVILLE**

Seek authority to renew the land lease with the Town of Stouffville on Toronto and Region Conservation Authority-owned land for the operation of a BMX (bicycle motocross) dirt racing course within Bruce's Mill Conservation Area located east of Warden Avenue and north of 19<sup>th</sup> Avenue, municipally known as 3291 Stouffville Road, in the Town of Stouffville, Regional Municipality of York, Rouge River watershed (RO #10021125).

(Link to report excluding appendices: [Executive Committee RES.#B 50/24](#))

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### **10.1.4 LEASE RENEWAL - MCMICHAEL CANADIAN ART COLLECTION**

Proposal from McMichael Canadian Art Collection to enter into a 20 year lease on Toronto and Region Conservation Authority (TRCA) owned and a portion of Ontario Heritage Trust (OHT) owned lands that are currently managed by TRCA, for passive recreational (trail) use located north of Major Mackenzie Drive and west of Pine Valley Drive, in the City of Vaughan, Regional Municipality of York, Humber River watershed (CFN 23032).

(Link to report excluding appendices: [Executive Committee RES.#B 51/24](#))

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**10.1.5 ACQUISITION FROM STERLING GROUP  
(CORONATION DRIVE) LIMITED PARTNERSHIP**

Acquisition of property located south of Lawrence Avenue East and east of Morningside Avenue, municipally known as 610 Coronation Drive, in the City of Toronto, under the “Greenlands Acquisition Project for 2021-2030,” Flood Plain and Conservation Component, Highland Creek watershed (CFN 71314).

(Link to report excluding appendices: [Executive Committee RES.#B 52/24](#))

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**10.1.6 DISPOSITION TO THE CORPORATION OF THE  
CITY OF PICKERING (PICKERING MUSEUM  
VILLAGE)**

Receipt of a request from The Corporation of the City of Pickering, for conveyance of lands owned by Toronto and Region Conservation Authority (TRCA) located south of Highway 7, and west of Concession Road 6, City of Pickering, Duffins Creek Watershed (CFN 62895).

(Link to report excluding appendices: [Executive Committee RES.#B 53/24](#))

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**10.1.7 DISPOSITION TO THE CORPORATION OF THE  
CITY OF PICKERING (MARKSBURY ROAD)**

Receipt of a request from The Corporation of the City of Pickering, for conveyance of lands owned by Toronto and Region Conservation Authority (TRCA) located east of Marksbury Road, west of West Shore Boulevard, and north of Lake Ontario, municipally known as 503 Marksbury Road, City of Pickering, Frenchman’s Bay Watershed (CFN 71312).

(Link to report excluding appendices: [Executive Committee RES.#B 54/24](#))

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### **10.1.8 TRCA EXECUTIVE COMMITTEE AND REGIONAL WATERSHED ALLIANCE VACANCIES**

Receipt of resignation from Toronto and Region Conservation Authority (TRCA) Executive Committee and the Regional Watershed Alliance (RWA) and recommendations on approach to fill Committee vacancies.

(Link to report excluding appendices: [Executive Committee RES.#B 55/24](#))

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## **10.2 SECTION II - ITEMS FOR EXECUTIVE COMMITTEE ACTION**

## **10.3 SECTION III - ITEMS FOR THE INFORMATION OF THE BOARD**

### **10.3.1 2024 SIX MONTH FINANCIAL REPORT**

Receipt of Toronto and Region Conservation Authority's (TRCA) unaudited expenditures as of the end of the second quarter, June 30, 2024, for informational purposes.

(Link to report excluding appendices: [Executive Committee RES.#B 56/24](#))

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### **10.3.2 2024 MID-YEAR GRANT PROGRAM UPDATE**

To provide a mid-year update to Toronto and Region Conservation Authority (TRCA) Board of Directors on the Grant Program and to highlight program successes as of July 31.

(Link to report excluding appendices: [Executive Committee RES.#B 57/24](#))

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### **10.3.3 Q2 COMMUNICATIONS, MARKETING, AND EVENTS REPORT SUMMARY (APRIL 1 - JUNE 30, 2024)**

Information report regarding Toronto and Region Conservation Authority (TRCA) corporate media communication activities during the second quarter of 2024 (April 1 - June 30, 2024).

(Link to report excluding appendices: [Executive Committee RES.#B 58/24](#))

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### **10.3.4 2024 RISK PROGRAM UPDATE**

Update on Toronto and Region Conservation Authority's (TRCA) Risk Management Program.

(Link to report excluding appendices: [Executive Committee RES.#B 59/24](#))

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## **10.4 SECTION IV - STANDARD DELEGATED PERMITS FOR RECEIPT - STAFF APPROVED AND ISSUED - SECTION 28.1**

Standard Delegated Permits are processed by Development and Engineering Services Division staff, authorized by designated staff appointed as Authorized Signatories by the Board of Directors and received monthly by the Executive Committee. Permits categorized as Standard Delegated Permits are: standard, routine infrastructure works, emergency infrastructure works, minor works, and permits after the fact/resolution of violations

**STANDARD DELEGATED PERMITS FOR RECEIPT - STAFF APPROVED AND ISSUED**

**PERMISSION FOR ROUTINE INFRASTRUCTURE WORKS FOR RECEIPT - STAFF APPROVED AND ISSUED**

**MINOR WORKS LETTER OF APPROVAL FOR RECEIPT - STAFF APPROVED AND ISSUED**

**PERMITS AFTER THE FACT/RESOLUTION OF VIOLATIONS FOR RECEIPT - STAFF APPROVED AND ISSUED**

## **10.5 SEPTEMBER 13, 2024 EXECUTIVE MEETING CLOSED SESSION ITEMS**

*(Executive Committee Closed Session Items from September 13, 2024 were dealt with on Consent during Open Session)*

### **10.5.1 2024 LITIGATION SUMMARY**

Pursuant to subsection C.4.(2)(e) of TRCA's Board of Directors Administrative By-Law, as the subject matter includes litigation or potential litigation, including matters before administrative tribunals, affecting TRCA.

### **10.5.2 2024 INSURANCE PROGRAM UPDATE**

Pursuant to subsection C.4.(2)(a) of TRCA's Board of Directors Administrative By-Law, as the subject matter includes the security of the property of TRCA.

## **11. CLOSED SESSION**

### **11.1 INFORMATION REGARDING THE LESLIE STREET SPIT LANDS**

Pursuant to Section C.4.(l) of the TRCA Board of Directors Administrative By-Law, as the subject matter consists of a position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of TRCA.

### **11.2 UPDATE REGARDING THE WETLAND INTERFERENCE AT 1802 BAYLY STREET, PICKERING**

Pursuant to Section C.4.(e) of the TRCA Board of Directors Administrative By-Law, as the subject matter consists of litigation or potential litigation, affecting TRCA.

## **12. NEW BUSINESS**

**NEXT MEETING OF THE BOARD OF DIRECTORS #8/24 TO BE HELD ON OCTOBER 25, 2024 AT 9:30AM VIA VIDEOCONFERENCE**

John MacKenzie, Chief Executive Officer

/jh



## 13. ADJOURNMENT

**Section I – Items for Board of Directors Action**

**TO:** Chair and Members of the Board of Directors  
Friday, September 27, 2024 Meeting

**FROM:** Sameer Dhalla, Director, Development and Engineering Services

**RE: REQUEST FOR PROPOSAL FOR KEATING CHANNEL DOCKWALL INSPECTION AND STRUCTURAL INVESTIGATION STUDY**  
RFP No. 10041335

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**KEY ISSUE**

Award of Request for Proposal (RFP) No. 10041335 for professional engineering consulting services to inspect and conduct structural stability analyses on the dockwalls at Keating Channel in Toronto.

**RECOMMENDATION:**

**WHEREAS** Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires professional engineering consulting services;

**AND WHEREAS** TRCA has entered into an agreement with the City of Toronto to manage Keating Channel dredging operations and with Ports Toronto to undertake backlog dredging work until 2026;

**AND WHEREAS** the Keating Channel dockwalls owned by Create TO may be impacted by dredging operations and require engineering consulting services to determine risk of failure;

**AND WHEREAS** TRCA solicited proposals through a publicly advertised process and evaluated the proposals based on the pre-established criteria;

**THEREFORE LET IT BE RESOLVED THAT** RFP No. 10041335 for Keating Channel Dockwall Inspection and Structural Investigation Study be awarded to CIMA Canada Inc. at a total cost not to exceed \$756,714, plus applicable taxes, to be expended as authorized by TRCA staff;

**AND THAT** TRCA staff be authorized to approve additional

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**expenditures to a maximum of \$75,671 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;**

**AND THAT should TRCA staff be unable to negotiate a contract with the above-mentioned proponent, staff be authorized to enter into and conclude contract negotiations with other Proponents that submitted proposals, beginning with the next highest ranked Proponent meeting TRCA specifications;**

**AND FURTHER THAT authorized TRCA officials be directed to take whatever action may be required to implement the contract, including the obtaining of necessary approvals and the signing and execution of any documents.**

### **BACKGROUND**

Sedimentation in the Keating Channel is a long-standing issue that impacts navigation and increases flood risk. PortsToronto carried out regular dredging in Keating Channel from construction in 1914 until 1975 when open water disposal of dredged material was banned in Lake Ontario. An environmental assessment was completed in 1983 to allow dredged material to be taken to confined disposal facilities at the Leslie Street Spit, and dredging resumed in 1987 which maintained the Keating Channel at its original design/maintenance depth necessary for navigation and flood conveyance.

In 1991, the City of Toronto (the “City”), PortsToronto, and Toronto and Region Conservation Authority (TRCA) entered into a tri-lateral agreement which provided equal funding from all three parties for dredging the Keating Channel. However, the annual budget and funding for annual dredging remained static while costs increased year-over-year, resulting in dredging operations not keeping up with sediment accumulation. Because of this insufficient budget for regular dredging, sediment has partially filled in Keating Channel and recent surveys have shown that approximately 120,000 cubic metres needs to be removed to reduce flood risk. Keating Channel, upon completion of the Port Lands Flood Protection Enabling Infrastructure Project (PLFP), will be critical in conveying flood flows during large storm events. To achieve required flood conveyance, the backlogged sediment must be dredged and a program for long-term and regular dredging of the Keating Channel must be formalized.

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On July 29, 2024, TRCA entered into an agreement with the City of Toronto to manage the backlog dredging at Keating Channel until 2026. Services provided by TRCA include environmental monitoring, contract administration, project management, financial tracking, and site coordination with Ports Toronto conducting dredging work. During discussions with Ports Toronto and City to prepare for dredging in 2024, CreateTO raised concerns about dredging next to the dockwalls that line Keating Channel. Dredging directly adjacent to the dockwalls is necessary to achieve flood conveyance. The dockwalls were built between 80 to 110 years ago and have exceeded their design life by many decades. CreateTO owns the majority of the dockwalls that surround Keating Channel. CreateTO has done high-level condition assessments of the dockwalls, and reports have shown that they are in very poor condition and are at risk of failure. Dredging near the dockwalls could further increase the risk of failure.

This project will require the consultant to conduct a quantitative structural assessment using values obtained from geotechnical drilling results to determine how much sediment can be removed before the dockwalls are at risk. The specific tasks for this consultant are as follows:

### Dockwall Condition and Stability Assessment

This task will require the consultant to conduct field investigations including geotechnical borehole drilling in both the channel and behind the wall, test pits, materials testing, diving inspections, sidescan sonar surveys, and stability modeling to provide a quantitative assessment of the dockwalls.

### Engineering Support and Recommendations

TRCA and Ports Toronto will require engineering support during the two-year backlog dredging project. Because of critical timing requirement to achieve flood protection, dredging and the dockwall investigation will happen concurrently. The consultant will provide recommendations and site instruction to reduce impacts to the dockwalls from dredging.

### Dockwall Monitoring

The consultant will install and operate a dockwall monitoring system that will provide near real-time data on dockwall movement that could indicate that dredging is potentially causing loss of stability and possible failure. Dredging activities can be modified if movement of the dockwalls is evident.

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### Dockwall Failure Risk Analysis

This task will look at impacts of dockwall failure to determine “no-go” zones where a failure would damage critical infrastructure such as utilities, roads, or put public safety at risk. Mitigation of risks will be included in recommendations from the consultant.

### Development of an Emergency Response Plan

An Emergency Response Plan (ERP) will be developed to prescribe actions to the various agencies involved in dredging the channel. The ERP will include communications, roles and responsibilities, site security, public protection measures, and other response activities to mitigate risk.

## **RATIONALE**

RFP documentation was posted on the public procurement website [www.bidsandtenders.ca](http://www.bidsandtenders.ca) on June 3, 2024, and closed on July 19, 2024. Four (4) addenda were issued to respond to questions received. A total of eleven (11) firms downloaded the documents and two (2) proposals were received from the following Proponents:

- Stephenson Engineering Limited
- CIMA Canada Inc.

An Evaluation Committee comprised of staff from TRCA reviewed the proposals. The criteria used to evaluate and select the recommended Proponent included the following:

<b>Criteria</b>	<b>Score</b>
Proponent's Information and Profile <ul style="list-style-type: none"><li>• Proponent has provided all requested information in a clear manner which meets all format and submission requirements.</li><li>• Project budget submitted.</li><li>• Project schedule included.</li><li>• List of subconsultants included (if applicable).</li></ul>	5
Key Personnel <ul style="list-style-type: none"><li>• Qualifications and experience of key personnel and sub-consultants, including resumes.</li><li>• Appropriate allocation of staff resources, shown in work plan.</li><li>• Project Manager's qualifications and experience related to the Scope of Work and/or Services.</li></ul>	10

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<p>Experience and Methodology</p> <ul style="list-style-type: none"> <li>• Number of projects of similar budget and scope, that are relevant to the Scope of Work and/or Services.</li> <li>• Summary of most relevant projects in proposal.</li> <li>• Demonstrates a thorough understanding of the overall Project scope and articulates this well within the proposal.</li> <li>• Demonstrates a thorough understanding of the project requirements and objectives.</li> </ul>	20
<p>Proposed Work Plan</p> <ul style="list-style-type: none"> <li>• Detailed description of the work plan including the approach and methodology for undertaking the required Scope of Work and/or Services, including innovative ideas and approaches to meet the project objectives.</li> <li>• A detailed schedule in a Gantt or Gantt-style chart which indicates start dates and anticipated duration of tasks, and timing of key milestones/meetings.</li> <li>• Demonstrates a clear understanding of the project background, existing site conditions, and review of the available information.</li> <li>• Identifies data/information gaps and provides a rationale and detailed cost breakdown for obtaining any missing data or additional required information.</li> <li>• Identifies project constraints/limitations, risks, and challenges, and proposes solutions and/or sensible approaches to handling constraints and challenges</li> </ul>	40
<b>Sub-Total</b>	80
Pricing	20
<b>Total Points</b>	100

CIMA Canada Inc. has extensive experience in dockwall investigation and repair on Toronto's waterfront. They are familiar with the Keating Channel dockwalls through previous studies and CIMA has a solid understanding of existing conditions and the risk presented by dredging. CIMA Canada Inc. staff assigned to this project have expertise unique to dockwall assessments and the design of dockwall repairs. Therefore, it is recommended that contract No. 10041335 be awarded to CIMA Canada Inc. at a total cost not to exceed \$756,714, plus 10% contingency, plus applicable taxes, it being the highest ranked Proponent meeting TRCA specifications. Proponent's scores and staff analysis of the evaluation

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results can be provided in an in-camera presentation, upon request.

### **Relationship to TRCA's 2023-2034 Strategic Plan**

This report supports the following Pillars and Outcomes set forth in TRCA's 2023-2034 Strategic Plan:

#### **Pillar 1 Environmental Protection and Hazard Management:**

- 1.1 Deliver provincially mandated services pertaining to flood and erosion hazards

#### **Pillar 4 Service Excellence:**

- 4.3 Responsive relationships and a trusted brand with a reputation for excellence

### **DETAILS OF WORK TO BE DONE**

The key deliverables and project schedule are outlined below:

- Start Keating Channel dockwall condition and stability assessment field investigations (October 2024);
- Start engineering support and recommendations (October 2024 to October 2026);
- Dockwall monitoring equipment installation (Winter/Spring 2025);
- Start dockwall risk analysis (November 2024); and
- Develop Emergency Response Plan (Winter 2025).

The Proponent staff resources dedicated to the project are as follows:

CIMA Canada Inc. has assigned eight (8) engineering experts to this project including two (2) engineers from its sub-consultant WSP Canada.

### **FINANCIAL DETAILS**

Funds for the contract are identified in account 207-01 (Keating Channel Dredging Program Account) funded by the City of Toronto.

**Report prepared by: Craig Mitchell, Senior Manager, Flood Infrastructure and Hydrometrics**

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**For Information contact: Craig Mitchell, (647) 212-2410**

**Email: craig.mitchell@trca.on.ca**

**Date: August 15, 2024**

**Section III – Items for the Information of the Board**

**TO:** Chair and Members of the Board of Directors  
Friday, September 27, 2024 Meeting

**FROM:** John MacKenzie, Chief Executive Officer

**RE: PROCUREMENTS APPROVED UNDER DELEGATED  
AUTHORITY OVER SUMMER RECESS IN 2024**  
Report back on procurements and permits approved under  
delegated authority

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**KEY ISSUE**

Report procurements approved by the Chief Executive Officer (CEO) under delegated authority over the “summer recess” to ensure business continuity including support for municipal and partner supported programs and projects.

**RECOMMENDATION:**

**IT IS RECOMMENDED THAT the information on procurements approved under delegated authority over the summer recess in 2024, be received.**

**BACKGROUND**

At the Board of Directors Meeting held on September 23, 2022, Resolution #A114/22 was approved as follows:

WHEREAS no meetings of TRCA’s Executive Committee and Board of Directors are scheduled for the months of July, August and December of each calendar year and meetings scheduled for September, October and November during a municipal election year may have difficulty reaching quorum due to conflicting obligations of municipally-appointed board members;

THEREFORE, LET IT BE RESOLVED THAT the CEO be delegated authority during the months of July, August and December of each calendar year;



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AND THAT the CEO be delegated authority during the months of September, October and November during an election year where quorum is not met three days in advance;

AND THAT the Administrative By-Law be updated to include Section 21 providing for this authority;

AND FURTHER THAT any exercise of the authorities delegated to staff through this report will be reported back to the next available meeting.

### RATIONALE

The typical Executive Committee and Board of Directors schedule does not include meetings following the meeting in June to the meeting in September for a “summer recess”. During this period, there may be sensitive procurements that would need to move forward to align with project timelines/workbacks. There may also be unexpected work requests from partners that TRCA would need to respond to on an urgent basis. As a result, during the summer recess, the CEO was granted delegated authority to approve, grant or authorize all activities in connection with acquisition of goods and services and permit approvals that would otherwise require Executive Committee or Board of Directors approval.

This year there were no meetings between June 21, 2024 and September 13, 2024. During this time, TRCA staff proceeded with time sensitive procurements and permits during the summer recess to ensure business continuity during the summer months and to prevent interruptions of project delivery and/or avoid unnecessary costs. The following chart outlines the status of all procurements and permits approved since the June 21, 2024 Board of Directors meeting. Not all procurements or permits previously identified proceeded, and as a result if these procurements move forward at a later date, they will follow the regular approval process. It should also be noted that there were no unexpected procurements that required consideration for delegated authority approval.

In the chart below, the procurements and permits approved are outlined:

Permit Condition	Proposal	Condition	Rationale	Staff Lead
None.				

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Project	Description	Type of Goods/ Services	Type of Procurement	Value of Procurement	Staff Lead
Cudmore Creek Wetland and Trailhead Project	<p>To meet the City of Toronto's milestones and reach substantial completion by December 2024, a new RFT was released for the scope, which Collaborative Structures Limited (CSL) can no longer fulfill.</p> <p>Delivered in partnership with City of Toronto.</p>	Additional scope includes the fabrication and installation of two look- out and one foot bridge.	Competitive Tender	<p>All required funding to support the project is approved by the City of Toronto and will be transferred to TRCA via Letter Agreement.</p> <p>Lowest tender bid was Pine Valley Corporation (Pine) at a value of \$488,521.69 plus HST.</p> <p>Total value of the Letter Agreement is: \$2,099,945.65.</p>	<p>Lisa Turnbull, Associate Director, Restoration and Infrastructure</p> <p>(416) 451-8536</p>
Beverly Acres German Mills Creek Erosion Control Project	TRCA Erosion Risk Management and York Region Public Works have jointly initiated the Beverly Acres German Mills Creek Erosion Control Project under a Schedule 'B' Municipal Class EA to rehabilitate the erosion control	Additional scope includes the development of a new hybrid alternative solution for the Municipal Class EA; conducting three additional meetings with the Project Team and regulatory agencies to discuss the new solution and technical requirements; and conducting 10 additional private	Competitive Tender	<p>The lowest tender bidder was Aquafor Beech Limited (ABL) at a value of \$27,870.75 plus HST.</p> <p>Total Contract value: \$274,322.75.</p> <p>Funds for the contract are identified in the 2024 York Region capital</p>	<p>David Gingerich, Associate Director, Restoration and Infrastructure</p> <p>(365) 566-2445</p>

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	system for infrastructure protection and restore the channel.	landowner meetings to discuss the project impacts.		funding under the Streambank Infrastructure Erosion Control Management Program of the Erosion Risk Management Business Unit.	
Change Order for the SWP Brimley Road South Multi-use Trail Project	Approval of change order is required to complete the design exercise as quickly as possible in order to advance commencement of construction phase which is a City priority.	Addresses new scope of work requested by City of Toronto and TRCA for the Brimley Road South Multi-Use Trail Project, including a final report updates and design revisions to resolve drainage review comments from City ECS staff; memo to TTC outlining impacts to operations during and post-construction; additional private property plans, and associated landscape design updates, for new rear access accommodation requests; additional property plans supporting on-going City-led expropriation discussions; additional hydrogeology field work, lab analysis	Competitive Tender	Egis Canada Ltd. quoted new scope of work to be \$101,560.19 which is to be approved through a change order under contract 10034734.  Total contract value: \$549,715.59	Lisa Turnbull, Associate Director, Restoration and Infrastructure  (416) 451-8536

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		<p>and report revisions; and Additional time, effort and field work to address new comments and requests from City Asset Management and Solid Waste Management staff at the 90% design stage.</p>			
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### Relationship to TRCA’s 2023-2034 Strategic Plan

This report supports the following Pillars and Outcomes set forth in TRCA’s 2023-2034 Strategic Plan:

**Pillar 4 Service Excellence:**

4.2 Provide and manage an efficient and adaptable organization

**Pillar 4 Service Excellence:**

4.4 Transparent decision making and accountable results

### FINANCIAL DETAILS

The following outlines the financial considerations for the procurements awarded:

**Cudmore Creek Wetland and Trailhead Project**

- Fully recoverable under letter agreement with the City of Toronto.  
Funds tracked in account: 117-01

**Beverley Acres German Mills Creek Erosion Control Project**

- Up to 40 percent of expenses under this contract will be recovered through federal grant funding under DMAF. Funds tracked in account: 189-03.

**Change Order for the SWP Brimley Road South Multi-use Trail Project**

- Any residual funds will be reallocated to support the associated expropriation process being undertaken by the City. Funds tracked in account: 204-17

## **Item 9.1**

**Report prepared by: Joanne Hyde, Clerk and Manager, Policy**

**Email: joanne.hyde@trca.ca**

**For Information contact: John MacKenzie, (416) 667-6290**

**Email: john.mackenzie@trca.ca**

**Date: July 15, 2024**

**Section III – Items for the Information of the Board**

**TO:** Chair and Members of the Board of Directors  
Friday, September 27, 2024 Meeting

**FROM:** Sameer Dhalla, Director, Development and Engineering Services

**RE: JULY 16, AUGUST 17, AND AUGUST 18, 2024, SEVERE WEATHER EVENTS**

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**KEY ISSUE**

Significant rain events on July 16, August 17, and August 18 occurred within TRCA’s jurisdiction resulting in significant impacts in the cities of Mississauga and Toronto. These storm events exceeded the 1 in 100-year return period storm events. The report provides information on the storms, TRCA’s responses before, during, and after the events, and identifies potential improvements for subsequent consideration.

**RECOMMENDATION:**

**IT IS RECOMMENDED THAT the Flood Risk Management Summary of the July 16, August 17, and August 18, 2024, Severe Weather Events report be received for information.**

**AND THAT TRCA Engineering Services staff meet with City of Mississauga, City of Toronto, and Region of Peel Emergency Management Offices to review the July 16, August 17, and 18, 2024, storm event responses and to adjust emergency management plans as appropriate.**

**AND THAT TRCA Engineering Services staff review the TRCA Hydrometrics program to identify potential improvements.**

**AND THAT TRCA Engineering Services staff review Flood Messaging opportunities, in collaboration with Credit Valley Conservation, including the consideration of cell phone technologies to increase accessibility.**

**AND THAT TRCA Engineering Services pursue Federal and Provincial funding opportunities to support municipal partners and advance infrastructure improvements to reduce flood impacts, or to further advance the integration of weather forecasting with flood modelling to**

**increase flood predictability across TRCA's jurisdiction.**

**AND THAT TRCA retain the services of a consultant to undertake a post-storm event analysis report.**

**AND THAT TRCA Engineering Services staff report back in 2025 on the efforts undertaken following the 2024 storm events.**

### **BACKGROUND**

Under the Conservation Authorities Act (CA Act) and Ontario Regulation 686/21: Mandatory Programs and Services, TRCA is required to provide programs and services related to the risk of natural hazards, most notably from flood and erosion. Specific activities include:

- Creating and maintaining flood plain mapping through the study of surface water hydrology and hydraulics,
- Providing flood awareness and public outreach,
- Providing Flood Forecasting and Warning (FFW) programs and services, and
- Operating and maintaining flood and erosion control infrastructure to reduce the risk of natural hazards.

TRCA's role in flood risk management is to provide services to partner municipalities to reduce flood risk from rivers, which includes creating and maintaining floodplain mapping, flood forecasting, issuing flood warning messages, operating flood infrastructure, flood mitigation through a variety of project specific service level agreements such as site-specific flood studies, and advising municipal and emergency response agencies.

In the plan review process, TRCA must, acting on behalf of the Ministry of Natural Resources (MNR) or in its capacity as a public body under the Planning Act, help to ensure that decisions under the Act are consistent with the natural hazard policies in the policy statements issued under section 3 of the Planning Act and conform to any natural hazard policies in a provincial plan. TRCA also regulates development within floodplains in TRCA's Regulated Areas in accordance with the CA Act and associated regulations.

Municipalities are responsible for emergency response, storm drainage infrastructure and urban flooding. They have the primary role for

maintaining and upgrading urban drainage systems and for setting level of service standards within their jurisdiction.

### Rain Event Details

#### **July 16<sup>th</sup>, 2024 Event**

Toronto and Region Conservation Authority experienced wetter than normal weather leading up to the events of July 2024. The month of June exceeded 100 mm of rain, and the month of July received 215.4 mm of rain, at the Toronto Pearson Airport climate station. These values were significantly greater than the average monthly rainfall expectation of approximately 75 mm for the months of June and July. The July rainfall of 215.4 mm, at the Toronto Pearson Airport station, also exceeded the monthly rainfall record which was set in October 1954 when Hurricane Hazel passed through the Greater Toronto Area (GTA).

In the week prior to the July 16, 2024, event, southern Ontario and the GTA experienced rainfall from the remnants of Hurricane Beryl on July 10 and 11 and experienced multiple thunderstorm systems between July 12-15, in varying locations and distributions. These events resulted in saturated ground conditions prior to July 16, reducing the ability of the soil to absorb additional precipitation, which resulted in increased volumes of runoff experienced across TRCA's jurisdiction.

On July 16, sustained heavy rainfall lasted for 3-4 hours between approximately 8:00 AM and 12:00 PM, with the most intense rainfall being experienced within the municipalities of Mississauga and Toronto. Total rainfall amounts received, within TRCA's watersheds, varied between 8 mm and 102 mm, with the highest amounts concentrated in the west and southern areas. Rainfall intensities also varied between 5 mm/hr and 58 mm/hr, as recorded at TRCA's precipitation stations. Storm event return period calculations, which compare storm intensity and storm duration against historical data, varied across the TRCA jurisdiction with the largest return period measured in the Little Etobicoke Creek sub-watershed at TRCA's Rathwood precipitation station. In this location, the return period exceeded what the definition is for a 100-year return period storm by a small amount. The rainfall amounts, intensities, and locations are summarized in Attachments 1 and 2 which are appended to this report.



### August 17 and 18, 2024 Events

On Saturday, August 17, TRCA watersheds experienced multiple slow-moving severe thunderstorms with torrential downpours over a short period of time. On August 17, most of the rain fell within 4 hours between 1:00 PM and 5:00 PM, and rainfall totals ranged from 3 mm to 136 mm with an overall average of 36 mm across TRCA's precipitation stations. The heaviest rain was recorded in the south-west portion of TRCA's jurisdiction, similar to the July 16 storm event. However, instead of a broader jurisdiction wide storm event, the distribution from this event was a narrow south-west to north-east band along Highway 401, within Mississauga and Etobicoke. The highest amount of rainfall was recorded at TRCA's Rathwood precipitation station in Mississauga within the Little Etobicoke Creek sub-watershed near Tomken Road and Eglinton Avenue. Rainfall intensities recorded from these slow-moving thunderstorms ranged from 2 mm to 84 mm per hour, with an average intensity of 20 mm per hour.

Toronto Pearson International Airport recorded and set a new daily total rainfall record of 128.3 mm on August 17, which surpassed the previous record set on July 8, 2013, for the most rain in one day at this location.

On Sunday, August 18, rainfall was scattered throughout the jurisdiction and thunderstorm cell sizes were smaller than the previous day. Rainfall measured at TRCA's precipitation gauge stations, ranged from 1 mm to 39 mm, with the highest amounts being recorded in the upper portions of watersheds including the upper Humber, Don, and Rouge Rivers. The Etobicoke Creek watershed also received over 30 mm of additional rainfall at two locations within Mississauga. Rainfall daily totals and maximum hourly rain intensities for both the August 17 and August 18 events are provided in Attachments 3, 4, and 5, which are appended to this report.

### **RATIONALE**

The roles and responsibilities for ensuring public safety during flood events are shared between various levels of government, conservation authorities, and individuals. Municipalities are legislated, through the provincial Emergency Management and Civil Protection Act, to develop emergency plans and undertake response actions, including road closures and evacuations.

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TRCA operates a Flood Forecasting and Warning program (FFW) in accordance with the Ministry of Natural Resources (MNR) Provincial Flood Forecasting and Warning Guidelines and Ontario Regulation 686/21: Mandatory Programs and Services. TRCA's FFW program supports municipalities with their obligations under the Emergency Management and Civil Protection Act.

The TRCA FFW program is designed to:

- Support municipal emergency planning,
- Monitor weather and watershed conditions daily and maintain a local data collection network,
- Issue flood messages to municipalities, applicable agencies, media and the public, to advise of potential flooding when appropriate,
- Operate TRCA dams and flood control structures to reduce the effects of flooding, and
- Maintain communications with municipalities and the MNR Surface Water Monitoring Centre during a flood event.

To fulfil its role, TRCA works closely with partner municipalities and agencies, as well as with meteorological agencies such as the Ontario Storm Prediction Centre (OSPC) operated by Environment and Climate Change Canada (ECCC).

### **TRCA's Emergency Response - July 16, and August 17 & 18, 2024**

#### **July 16, 2024 Event**

During the July 16, 2024, event, TRCA acted in accordance with provincial incident management protocols and with the MNR guidelines for flood event messaging. The following provides a chronology of the steps taken during and following the event of July 16.

On July 15, TRCA issued an active *Watershed Conditions Statement – Water Safety* (yellow) message, in response to forecasted thunderstorm activity for that same day. The *Water Safety* message continued to be valid on July 16 and was set to expire at the end of day on July 16.

At 9:35 AM on July 16, TRCA's Flood Duty Officer (FDO) upgraded the Water Safety flood message to a *Flood Watch* (orange) category, in

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response to the FFW program's daily assessment for flood risk, which included consideration of ECCC weather forecasts and alerts for severe weather and verbal information from the OSPC. A *Flood Watch* message is issued when flooding is possible and is intended to advise municipalities, emergency services, and individuals in flood vulnerable areas to prepare for possible impacts.

At 10:50 AM, TRCA's FFW on-call staff activated the Emergency Operations Centre (EOC) and assigned Engineering Services staff specific roles in accordance with the Incident Management System (IMS) to assist with the fast-developing weather situation.

At 11:35 AM, the TRCA FDO issued a *Flood Warning* (red) category, which is the highest level of messaging, to municipal partners, agencies, school boards, media, and the public. The *Flood Warning* was issued due to the rainfall amounts received and the observations of fast rising water levels, particularly within Etobicoke Creek, Humber River, Black Creek, and the Don River. A *Flood Warning* is issued when flooding is imminent or already occurring. TRCA's *Flood Warning* message cited that significant rainfall amounts of up to 70mm in 3 hours had already been received, and that low lying areas and areas with poor drainage had already flooded or were going to flood. The message specifically identified the Lower Don River, Little Etobicoke Creek, and the Lower Humber River as areas that had flooded or were at imminent risk of flooding.

In addition to the publication of *Water Safety*, *Flood Watch*, and *Flood Warning* messaging, affected municipalities and agencies were contacted by phone at each instance of the TRCA flood message being upgraded. Direct communications were made to the City of Mississauga Emergency Management Office, Toronto Emergency Management Office, Toronto Transportation Central Dispatch, GO Transit Control Centre and the Evergreen Brick Works facility. These direct communications followed previously established emergency plans and agreements.

Throughout, and following the event, TRCA was actively involved in responding to media requests, including to CityNews, CBC The National, Toronto Star, CBC Radio, and CP24.

### August 17 & 18, 2024 Event

TRCA flood duty staff issued a *Watershed Conditions Statement – Water Safety* (yellow category) flood message on Friday, August 16 at 3:00 PM, following a Special Weather Statement issued by Environment Canada that cited an unstable weather pattern moving into the Golden Horseshoe area over the weekend. The *Water Safety Statement* warned the public about the dangers of being close to rivers and streams during severe weather and to avoid recreational activities in, on and around watercourses due to expected higher than normal water levels and flows.

TRCA's FDO upgraded the *Water Safety* flood message to a *Flood Watch* (orange category) at 2:00 PM on August 17, due to the amount of rainfall being received on the west side of the TRCA jurisdiction, specifically in Mississauga, with one rain gauge having recorded over 80 mm of rain in one hour. TRCA remained in a *Flood Watch* category for the duration of the weekend, including on August 18 before it was cancelled on Monday, August 19 at 10:30 AM.

TRCA communicated with municipal agencies about the weather events and their associated flood risks on August 17 and 18, including the City of Mississauga Emergency Management Office, Toronto Emergency Management Office, Toronto Transportation Central Dispatch, GO Transit Control Centre, the City of Markham, and Evergreen Brick Works.

### Comparison of the July 16<sup>th</sup> and August 17<sup>th</sup>, 2024 Storm Events

Both events consisted of a series of individual thunderstorms moving slowly and recurring, which are known as 'training thunderstorms' that resulted in high rainfall amounts with most rain falling within a 4-hour period. Rainfall intensities differed between the events, with the August 17 rainfall reaching as high as approximately 40-80 mm per hour, and the July 16 rainfall reaching as high as approximately 30 mm per hour. Conversely, the July 16 event had a larger geographical extent than the August 17 event, which was more localized.

In both events, received rainfall amounts were much higher than the forecasted amounts, which is an ongoing challenge for flood forecasting thunderstorm activity, and the issuance of flood messages prior to events taking place.

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On July 16, flood impacts were widespread, impacting both the cities of Toronto and Mississauga, while on August 17 and August 18, significant flooding was mostly experienced within the City of Mississauga. Flooding impacts consisted of both riverine and urban sources of flooding.

Comparison of the storm events provides an example of the effect of saturated ground conditions on the magnitude of flooding impacts. The drier conditions in the days preceding the August 17 and 18 storm events meant that even though the rainfall intensities were greater than July 16, the flooding impacts were not substantively different. If the soil conditions had been saturated like the preceding July 16 event, both urban and riverine flooding could have been worse.

### **Flooding Impacts**

During the storm events, the riverine flooding impacts occurred, to varying extents, within 4 of TRCA's 40 flood vulnerable clusters (i.e. areas with a high concentration of buildings and roads in a floodplain). These areas included the Little Etobicoke, Dixie-Dundas, Brickworks and Lower Don flood vulnerable clusters and these areas are illustrated in Attachment 6 which is appended to this report. The following sections summarize the flooding impacts by watershed for the three events of July 16, August 17, and August 18.

### **Etobicoke Creek Watershed**

On July 16, the Little Etobicoke and Dixie-Dundas flood vulnerable clusters were impacted with the Little Etobicoke Creek tributary of Etobicoke Creek reaching critical levels and overtopping its banks in multiple locations. The dominant spill from Little Etobicoke Creek occurred in the vicinity of Queen Frederica Drive, in Mississauga, adjacent to the Dixie Road and Dundas Street intersection. This spill flowed beyond the TRCA boundaries and impacted downstream communities within the Credit Valley Conservation jurisdiction in the City of Mississauga. The experienced flooding was consistent with impacts from the flood event of July 8, 2013, and aligned with TRCA's past modelling efforts for Little Etobicoke Creek. A comparison of recorded water levels within Little Etobicoke for the three events is included as Attachment 7, which is appended to this report.

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Following the storm event of July 8, 2013, which highlighted the need to provide a higher level of stormwater management service, the City of Mississauga initiated an Environmental Assessment study to reduce flood risk in the Dixie-Dundas area. This study was completed in the spring of 2024 and sets the stage for the design and construction of infrastructure solutions that when implemented can significantly lower the flood risks for the communities heavily impacted by the 2024 storms. More information regarding this study can be found on the City of Mississauga's website at: <https://www.mississauga.ca/projects-and-strategies/environmental-assessments/dixie-dundas-flood-mitigation-study/>, and on TRCA's website at: [Living in a Flood Vulnerable Area: Dixie-Dundas - Toronto and Region Conservation Authority \(TRCA\)](#).

Significant urban flooding was evidenced during the three storm events due to a combination of the storm events overwhelming municipal drainage systems and the overtopping of watercourses. Of note, the Tyndall Seniors Residence, which is located upstream of the Dixie-Dundas area in the City of Mississauga, was significantly flooded during the July 16 and August 17 storm events. A private flood wall was constructed in 1991 to reduce the risk of flooding at the Tyndal Seniors Residence but it was overtopped during both the July 16<sup>th</sup> and August 17<sup>th</sup> events. The wall was not designed to protect against the magnitude of events that occurred on July 16 and August 17, and post-event inspections showed that flow on the nearby road outflanked the flood wall and flooded the residence. During the events, evacuations were required and the building incurred significant flooding damage. As the senior's home is scheduled to be demolished and replaced with a new building, which is located at a higher elevation outside the flood plain, improvements to the Tyndall Flood Wall are likely not required. Decommissioning of the flood wall will be needed in the future, complete with riverbank re-establishment to restore natural river flow, subsequent to the completion of the new senior's residence. TRCA permitting for the new building which is currently under construction was issued in February 2024.

### **Don River Watershed**

During the storm of July 16, the lower reaches of the Don River experienced flooding with the most significant impacts being the closure

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and flooding of the Don Valley Parkway, Bayview Avenue extension, the Richmond Hill GO line, and the Evergreen Brick Works. During the July 16, 2024 event, TRCA's flood messages and communications led to Metrolinx closing the affected train lines thereby avoiding a repeat of the July 8, 2013, storm event whereby a train was overcome by floodwaters. Road closures by the City of Toronto further minimized impacts, however several vehicles, primarily on the Don Valley Parkway, were still trapped by floodwaters. Discussions with the City of Toronto Emergency Management Office and City of Toronto Transportation Services regarding this event are still underway.

Also, during the July 16 storm event, Mud Creek, which is located adjacent to the Evergreen Brick Works facility in the City of Toronto, experienced a bank failure leading to creek flows and debris being diverted into the nearby wetlands. Emergency repairs were instituted by the City of Toronto and TRCA in the days following the event thereby limiting damage to the Evergreen Brick Works wetlands. Permanent repairs will need to be designed and implemented, with the City of Toronto leading the repair efforts as Mud Creek is a Toronto owned watercourse. TRCA will provide support services, such as ecological, environmental monitoring, and permitting services, as the repair solution is designed and implemented.

On August 17, the Don River experienced significant rainfall and elevated flows but to a smaller degree than on July 16. During this event, the Don River breached its banks in the Todmorden Mills area and Bayview Avenue extension at Pottery Road was closed. In the lower reaches of the Don Valley Parkway near Dundas Street, the Don River did not overtop, however, the City of Toronto closed the on-ramp to the DVP as a precaution for a few hours. Also, as a precaution, the Evergreen Brick Works was evacuated on August 17.

The storm event of August 18 did not have significant effects on the Don River watershed and no flooding was reported to TRCA.

TRCA's G. Ross Lord dam was in storage mode for all three events to reduce flows further downstream. In all instances, the dam was able to accommodate the rainfall that was received, and it was not necessary to increase dam release rates until after the events had passed and water levels had receded downstream.

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Large storms often result in significant movement of sediments within a river system. Erosion can be a problem when infrastructure and buildings are at risk of failure, and erosion can be a problem as the eroded sediments are deposited elsewhere potentially creating flooding in other areas. Within the Don River watershed, high flows resulted in significant movement of sediments within the Keating Channel, near Lake Ontario. Fortunately, dredging operations are already underway to manage sediments within the Keating Channel and the storm did not negatively impact the dredging plans and backlog dredging operations in this location that are now underway.

### **Mimico Creek Watershed**

During the July and August storm events, Mimico Creek did not directly flood communities within the Mimico Creek watershed, however, significant urban flooding was noted within the Malton community in Mississauga. TRCA has been working with the City of Mississauga to assist with their flooding investigations.

The urban flooding experienced in Malton was consistent with observed impacts from the flood event of July 8, 2013, and aligned with TRCA's past modelling efforts within the Malton community.

### **Rouge River Watershed**

During the event of July 16, the Rouge River watershed is not known to have experienced riverine flooding.

However, during the event of August 17, Bruce Creek, a tributary of the Rouge River watershed, near Unionville, reached high water levels. The City of Markham was notified, however no significant flooding impacts were reported.

### **Humber River Watershed**

During all three storm events, the Humber River responded with high and fast flows, however, no critical levels were exceeded, and no significant riverine based flooding was reported, including along Black Creek and further downstream through to, and including the Lower Humber River. In



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the upper reaches of the Humber River, specifically in the City of Vaughan, some park trails and river crossings were closed to the public due to ponding in low-lying areas.

Within the Humber River watershed, TRCA's flood control structures were not damaged by the July 16, August 17, or August 18 flood events, except for two instances, namely that of sedimentation upstream of the Black Creek Dam and damages to channel linings within the Scarlett Flood Control Channel near Scarlett Road.

Black Creek Dam is located at Jane St. and Sheppard Ave. on Black Creek, which is tributary of the Humber River, and was constructed in 1959 to reduce flows downstream. A preliminary inspection following the rain events revealed a significant accumulation of sediments within the upstream reservoir. Sediment accumulation is expected during rain events, but this summer's storm events have accelerated the need for sediment management activity.

The Scarlett Road flood control channel was constructed in 1959, is located at Black Creek and Scarlett Road, and is a trapezoidal concrete channel design. During the July 16 event, several concrete panels lining the channel downstream of Scarlett Road failed due to the erosion of sub-grade material. This damage occurred within the vicinity of the Rockcliffe flood vulnerable area where channel improvements are currently being pursued by the City of Toronto.

### **TRCA's Response Post-Event**

Large storm events provide an opportunity to learn and prepare for future storm events. This learning is accomplished through the collection of field data to validate flood event projections, the analysis of rain and streamflow measurement systems, the review of communications, and the review of emergency response actions to improve response times.

While TRCA's role in flood risk management resides primarily within the Mitigation and Preparedness phases of Ontario's Flooding Strategy (<https://files.ontario.ca/mnrf-2020-flood-strategy-en-2020-03-10.pdf>), TRCA has also undertaken actions under the Response phase. These actions include the collection of information to support future mitigation and preparedness activities as well as the provision of support to municipal

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partners as they recover and rebuild after the storm events. Some of TRCA's response activities are described below.

Immediately following the storm events, TRCA staff began data collection activities to record high water marks at approximately 60 locations and the verification and archiving of watercourse flow, watercourse level, and precipitation information. Once compiled and checked, the intention is to share this information with our partners and the public using TRCA's Open Data portal.

TRCA staff also followed up with municipal partners at the cities of Mississauga, Brampton, Vaughan, Markham, and Toronto, to discuss and advise on municipal flood event response activities, locations of flood impacts and to identify potential improvements and collaboration opportunities on emergency planning and preparedness. As part of this work, numerous site visits and meetings have occurred involving TRCA staff and public officials to discuss the impacts of localized flooding and long-term and short-term strategies for mitigating future impacts. Public meetings have taken place, and more public meetings are planned with the TRCA participating in such meetings as appropriate.

### **Relationship to TRCA's 2023-2034 Strategic Plan**

This report supports the following Pillars and Outcomes set forth in TRCA's 2023-2034 Strategic Plan:

#### **Pillar 1 Environmental Protection and Hazard Management:**

- 1.1 Deliver provincially mandated services pertaining to flood and erosion hazards

#### **Pillar 4 Service Excellence:**

- 4.3 Responsive relationships and a trusted brand with a reputation for excellence

### **FINANCIAL DETAILS**

Funds for Flood Forecasting and Warning operations during flood events are available in operating account 115-60 (Flood Warning Program). Post event data collection, analysis, and reporting will be tracked and managed

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through account 157-03 (July 16th, 2024, Flood Event Data Collection and Documentation) with supporting funds from accounts 107-02 (Flood Protection and Remedial Capital Works) and 129-19 (Flood Remedial Works).

### **DETAILS OF WORK TO BE DONE**

#### **Emergency Services Reviews**

Preparedness is an essential element for effective emergency response, and preparedness is enhanced through iterative review and improvement of emergency response plans and training programs. Effective emergency response also relies on effective communication and coordination amongst partners.

TRCA staff have already begun meeting with the City of Mississauga, Region of Peel, and City of Toronto Emergency Management Offices, and CVC to discuss lessons learned from the flooding events. These discussions are expected to result in changes to site specific flood risk packages as discussions continue into and through the Fall of 2024. These discussions are also expected to influence training procedures and exercises. Specifically, the Don Valley Parkway and the Dixie Dundas community will be areas of focus. Lessons from these exercises may also result in adjustments to TRCA's FFW program, and in enhancements to public education and awareness surrounding flood risk.

Procedure and program improvements will be introduced directly within emergency preparedness procedures and programs as they are identified. Should these changes result in a TRCA financial impact, a subsequent report will be prepared for TRCA Board consideration.

#### **Hydrometric Program**

With the support of TRCA's municipal partners, TRCA has developed an extensive and sophisticated hydrometric program, consisting of a collection of rain gauges, stream flow and level gauges, dam flow and level gauges and cameras with collected information being made available through a publicly accessible website. The information collected by the program prior to and during storm events is used to inform the flood messaging provided

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to the public and emergency services personnel. As thunderstorms are difficult to predict by weather forecasting, the real time measurement of field conditions is critical when deciding to issue Flood Watch and Flood Warning messaging.

Information from TRCA's hydrometric monitoring network is openly shared with external parties and is regularly used by municipal emergency management services and infrastructure planning groups. Since 2006, the program has expanded from 4 gauges to over 100 today, with the hydrometric program being operated in accordance with Water Survey Canada standards and procedures to ensure quality control and assurance. The monitoring program is a Category 1 (Mandatory) service provided by TRCA in accordance with Ontario Regulation 686/21.

During the storms of July 16, August 17, and August 18, the hydrometric program performed well and allowed TRCA to provide advance warning thereby limiting storm impacts. The storms also revealed opportunities for improvement with our and our partner's systems. For example, large website traffic on July 16<sup>th</sup> meant that the TRCA gauging website was not accessible at times. In addition, high water levels meant that some gauge locations were at risk of being damaged. We also noted that differing municipal, regional, and conservation authority approaches to data sharing and data quality control complicated some analyses and communications. These opportunities for improvement are now being addressed. Furthermore, TRCA's neighbouring conservation authorities and municipal and agency partners have expressed an interest in working with the TRCA on a review of these opportunities. While it will take some time to consult with partners on these areas of identified improvements, TRCA's Engineering Services staff is aiming to provide a report on TRCA's hydrometric program in 2025 following this consultation and a more detailed program review. This review will also include examining current funding arrangements with partners and comparing these with identified needs to sustain and improve the program to address areas for continuous improvement.

Data from TRCA's rain gauges, streamflow gauges, stream water level gauges, dam water level gauges, and cameras is publicly available via TRCA's website and at <https://trcagauging.ca/>.

### **Flood Forecasting & Warning Messaging**

TRCA issues different types of flood messages in accordance with MNR requirements, including Watershed Conditions Statement (Water Safety and Flood Outlook), Flood Watch, Flood Warning, as well as messages specifically for the Lake Ontario Shoreline within TRCA's jurisdiction. Since the July 8, 2013, storm event, TRCA has made considerable investment to improve ease of access to flood information for the public, including an online flood plain map viewer, digital content on specific flood risk areas and a sign-up process where members of the public can sign up to receive TRCA flood messages via email.

While improvements have been made and online resources are available, in discussions following the 2024 storm events, we have in consultation with partners and officials identified opportunities to increase public awareness and usage of TRCA's flood warning messaging system. As advance warning gives the public an opportunity to move to safety and avoid flood vulnerable areas, expanding flood risk awareness is critical for achieving improved outcomes. TRCA will review the opportunity to employ cell phone technologies, such as apps and government warning systems such as the federal Alert Ready system to make warning messaging more accessible to the public. TRCA will also work directly with local councillors and municipal staff to spread knowledge of the TRCA's warning systems to affected and interested communities. This effort will include collaboration with neighbouring conservation authorities, municipalities, and the MNR to develop systems and approaches that can be standardized. An update for the TRCA Board will be provided in 2025 regarding these efforts.

### **Infrastructure Management**

The 2024 storm events have created a need for accelerated investment for TRCA's assets. Specifically, Black Creek Dam and the Scarlett Road Channel were impacted by the storms as described below.

The Black Creek Dam's reservoir requires periodic dredging and was last dredged in 2018 at a cost of \$1.05 million. The 2024 storm events have increased the amount of deposition upstream of the dam beyond the average rate of deposition thereby accelerating the need for dredging. The July 16<sup>th</sup> event required the TRCA to undertake emergency dredging

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operations at the dam inlet to restore flow through the control structure, and the August 17<sup>th</sup> event partially filled in the reservoir inlet again. Site access challenges and the cost of removing and disposing of sediment complicates maintenance activities and increases costs. Reduced reservoir capacity, resulting from sedimentation, decreases the dam's effectiveness at reducing downstream flooding risk. One option is to plan for the dredging of the reservoir within the next 1-2 years. Another option is to introduce design changes to the dam to more easily allow the natural movement of sediment downstream and reduce overall dredging costs. An analysis of options is planned and a recommendation for the next steps will be presented for consideration as part of TRCA's annual budgeting process. Emergency removal of sediments is not required, but planned action is likely required within the next 2 years and should be viewed as an unfunded priority budget need.

The Scarlett Road flood control channel requires short term stabilization and a long-term repair due to the July 16, 2024, storm event. TRCA is in the process of evaluating the damage and will be looking to temporarily stabilize the channel until a permanent solution can be implemented. At this point in the investigation, the channel lining failure is not believed to increase flood risk but a near term solution will be needed to prevent further damage due to watercourse erosion. An analysis of temporary stabilization options is planned, and a recommendation will be presented for consideration as part of TRCA's annual budgeting process. The permanent solution is anticipated to be part of the Scarlett Road bridge replacement works that are already in the planning stages by the City of Toronto.

### **External Program Funding**

A strength of TRCA is its ability to leverage federal and provincial sources of funding for flood risk mitigation. TRCA has both obtained funding to further its own projects and has assisted in obtaining funding for municipally led initiatives.

TRCA's floodplain mapping efforts have relied upon the federal governments' Flood Hazard Identification Program (FHIMP). This funding has fostered technological advancement and has allowed the TRCA to undertake, or as required, to hire consultants to update hydrological and hydraulic modelling which has led to the TRCA having the majority of its floodplain mapping being within the 10-year service level target. TRCA

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applies to this program for funding during most intake years. Application success depends on the competition for funding across the country and TRCA's internal ability to manage new or additional projects.

Infrastructure improvements have also benefitted from provincial and federal funding grants. For example, the improvements to Black Creek in Toronto are benefitting from the federal Disaster Mitigation Adaptation Fund (DMAF), and the Riverwalk project in Downtown Brampton is benefitting from DMAF and the provincial Housing Enabling Water Systems Fund. TRCA's efforts in collaboration with our partners have contributed to the high success rates in obtaining funding.

Competition for funding grants is high and success can be increased by aligning project specifics with provincial or federal program goals. For example, the Black Creek project aligned with the federal government's interest in reducing disaster recovery costs. Conversely, Brampton's Riverwalk project creates conditions for housing development which is a provincial priority. TRCA will continue to identify and apply for provincial and federal funding for risk reduction projects across its jurisdiction. TRCA understands the urgency and need to advance improvements within the Dixie-Dundas area of Mississauga and will continue its efforts to pursue provincial and federal funding support in collaboration with the City of Mississauga and the Region of Peel, as grant program opportunities become available. TRCA's collaboration with the City of Mississauga will include modelling services to identify the optimal phasing and extent of works in the Dixie-Dundas area to maximize the speed at which risk reduction can be achieved. TRCA will also continue its efforts to advocate for the creation of new grant programs given the large need for such programs across Ontario and Canada.

### **Storm Event Analysis Report**

Storm impacts vary from storm to storm and developing a thorough understanding of the relationship between extreme rainfall and flooding impacts is an important step in preparing emergency services for future events and in developing accurate floodplain mapping. The best way to develop and document the lessons from an extreme storm event is to prepare and publish a storm event analysis report. Such a report was last prepared by the TRCA for the July 8, 2013, storm event and this report is available through TRCA's website (<https://trca.ca/conservation/flood-risk->

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management/modeling-references-section/).

During and following the significant storm events of 2024 numerous statements have been observed in the media regarding the expected frequency of significant storm events or of significant flooding events and of the influence of climate change. A storm event analysis report can serve as a statistical foundation to identify whether the current 100-year storm event definition remains valid and can inform municipal infrastructure storm event design standards. TRCA will lead the preparation of storm event analysis report, using the services of an external consultant, through a competitive procurement process, to prepare a single report discussing the events of July 16, August 17, and August 18. This report will be prepared in collaboration with the Cities of Mississauga and Toronto, Region of Peel, and Credit Valley Conservation, and will contain analysis and discussion on the following:

- Storm event return periods characterization (i.e. How do these storms compare to the 100-year design storm events and Hurricane Hazel?),
- Flood event return period characterization (i.e. Undertake a flood frequency and hydrologic analysis to understand the effect of compounding risks),
- Intensity Duration Curves (IDF) (i.e. Is a 100-year storm still a 100-year storm?). This analysis would include comments on the influence of these storm events on existing municipal and regional IDF definitions, and the development of a process for more frequent IDF updates),
- A meteorological assessment to understand what conditions led to such significant rainfall occurring. This assessment would include a characterization of the local climate within this pocket of TRCA's jurisdiction which has experienced 3 events which exceeded the 100-year storm within the last 11 years, and
- Inclusion of detailed storm event data to allow easy access for use in floodplain modelling and infrastructure design by TRCA and stakeholders, with the report being available for public use.



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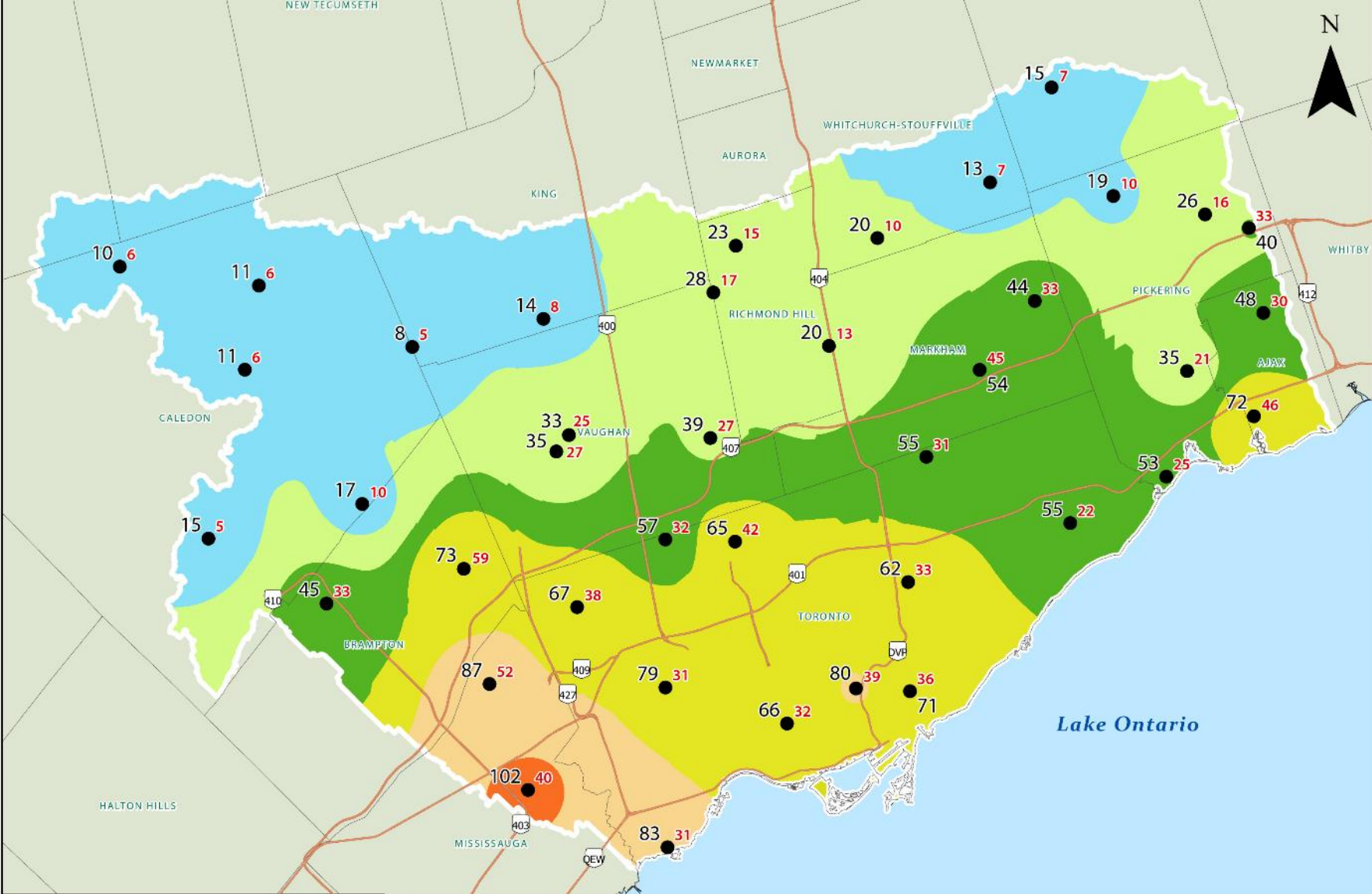
Attachment 1 - Rainfall Totals - July 16 Storm Event  
Attachment 2 - Rainfall distribution map for July 16, 2024  
Attachment 3 - Rainfall Totals – August 17-18, 2024  
Attachment 4 - Rainfall distribution map for August 17, 2024  
Attachment 5 - Rainfall distribution map for August 18, 2024  
Attachment 6 - TRCA Flood Vulnerable Clusters Map  
Attachment 7 - Water level comparison chart for Little Etobicoke Creek

# July & August 2024 Storm Event Summary

July 16, August 17-18 Flooding

Presented By: David Kellershohn – Associate Director, Engineering Services

September 27, 2024



**Forecasted Rainfall:**

- Most likely 15-25 mm, with a maximum of 70-80 mm being possible.
- Forecasts increased and reached a max. of 125 mm.

**Actual Rainfall:**

- 102 mm at Rathwood gauge

July 16, 2024	Total Rainfall	Hourly Intensity
Min	8 mm	5 mm/hr
Avg	43 mm	25 mm/hr
Max	102 mm	59 mm/hr

July 16th, 2024 - Rainfall Storm Event - TRCA Jurisdiction



**Legend:**

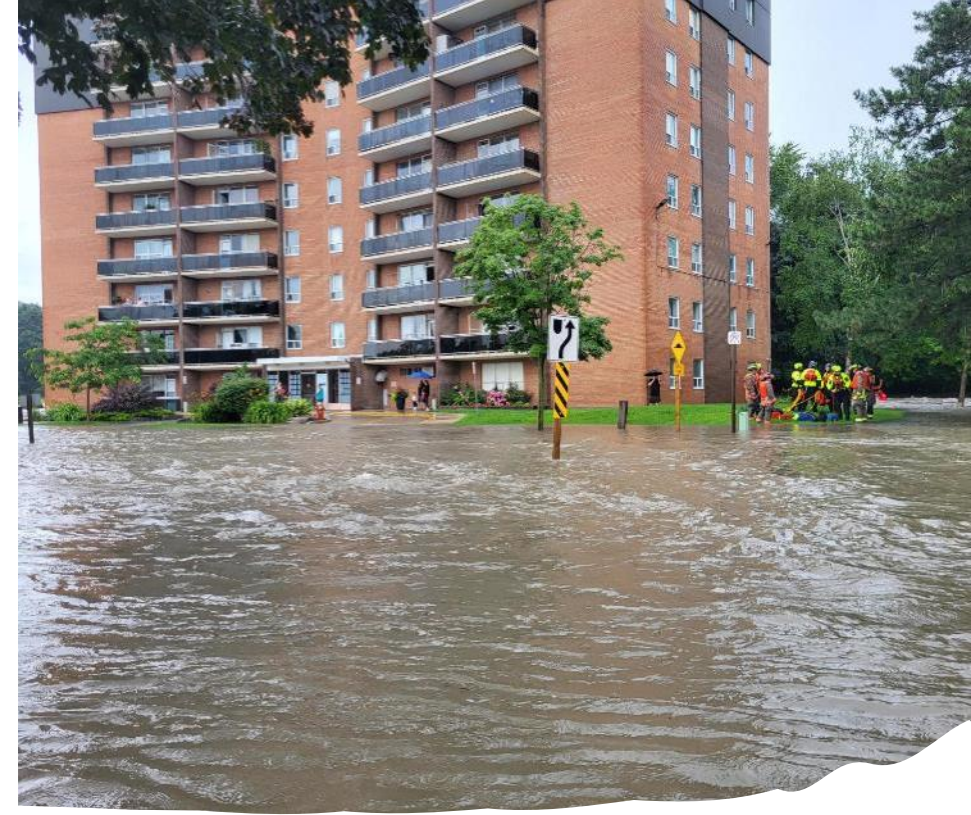
Municipalities (grey outline)  
 Highways (red line)  
 July 16th, 2024, Rain Gauge Measurements - total (mm) in black & Max 1hr intensity (mm/hr) in red (black dot)

**July 16 Storm Event total (mm)**

- <20 (light blue)
- 20 - 40 (light green)
- 40 - 60 (medium green)
- 60 - 80 (yellow-green)
- 80 - 100 (yellow)
- >100 (orange)

Scale: 0 2 4 8 12 16 20 km

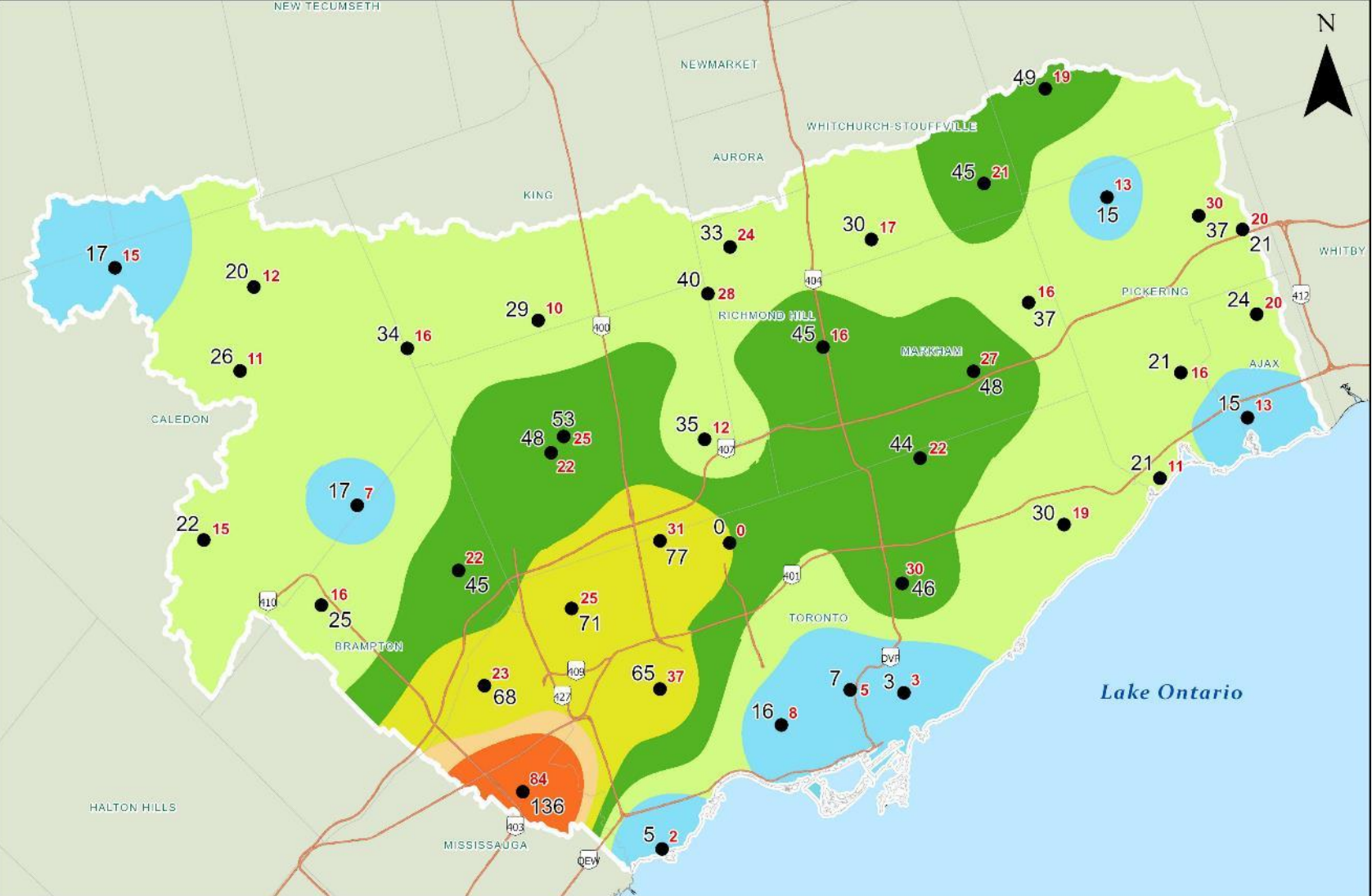
**Disclaimer:** The data used to create this map was compiled from a variety of sources and dates. Toronto and Region Conservation Authority (TRCA) takes no responsibility for errors or omissions in the data and retains the right to make changes and corrections at anytime without notice. For further information about the data on this map, please contact the TRCA Information GIS Department: 416.661.6600  
 Coordinate System: NAD1983 UTM Zone 17N; Projection: Transverse Mercator  
 Date: 8/20/2024



# Little Etobicoke Creek at Dixie Dundas, Mississauga – July 16



## Don River at Dundas and DVP, Toronto – July 16



**Forecasted Rainfall:**

- Most likely 10-20 mm, with a risk of a thunderstorm
- Prediction increased rapidly, reaching as high as a forecast of 100-200 mm.

**Actual Rainfall:**

- 136 mm at Rathwood gauge

August 17, 2024	Total Rainfall	Hourly Intensity
Min	3 mm	2 mm/hr
Avg	36 mm	20 mm/hr
Max	136 mm	84 mm/hr

August 17, 2024 - Rainfall Storm Event - TRCA Jurisdiction

**Legend:**

- Municipalities
- Highways
- Aug 17, 2024, Rain Gauge
- Measurements - total (mm) in black & Max 1hr intensity (mm/hr) in red

**Aug 17 Storm Event Total (mm)**

- <20
- 20 - 40
- 40 - 60
- 60 - 80
- 80 - 100
- >100

**Scale:** 0 2 4 8 12 16 20 km

**Disclaimer:** The data used to create this map was compiled from a variety of sources and dates. Toronto and Region Conservation Authority (TRCA) takes no responsibility for errors or omissions in the data and retains the right to make changes and corrections at anytime without notice. For further information about the data on this map, please contact the TRCA Information GIS Department 416.661.6600. Coordinate System: NAD1983 UTM Zone 17N ; Projection: Transverse Mercator Date: 2024-08-06





*Railway bridge overpass, Dixie Rd south of Dundas St., Mississauga – August 17. Photo credit: G. MacDonald*



*Flooding on Queen Frederica Dr, Mississauga – August 17*

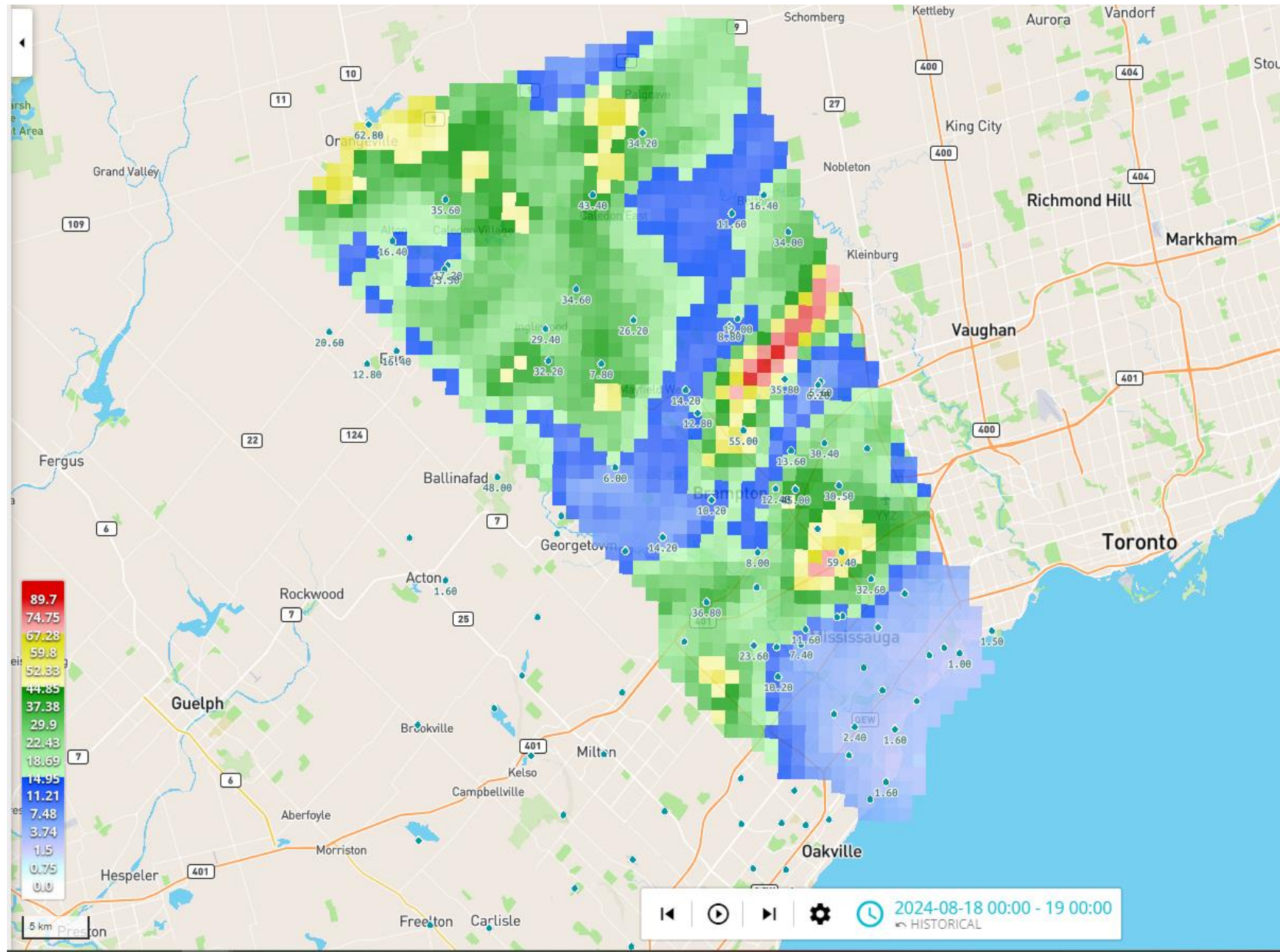


*Flooding on Bayview Ave. extension near Pottery Rd, Toronto – August 17*

## August 17 – Mississauga and Toronto

# GARR\* product – August 18, 2024

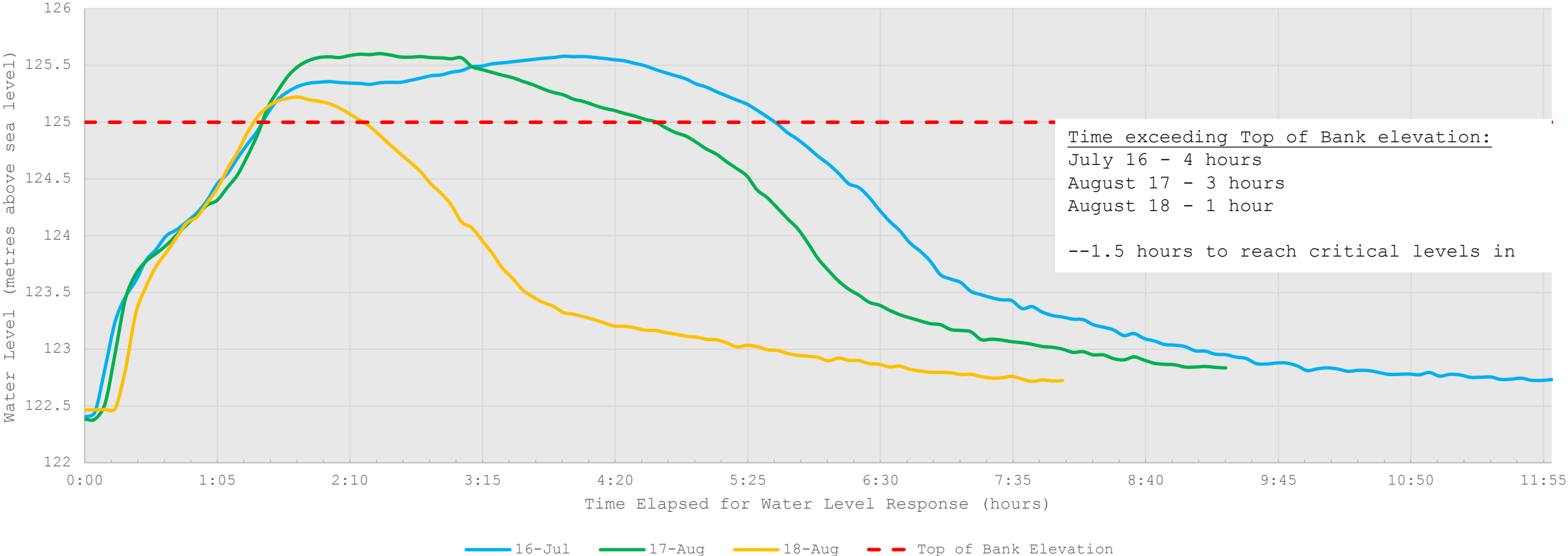
\*Gauge Adjusted Radar Rainfall





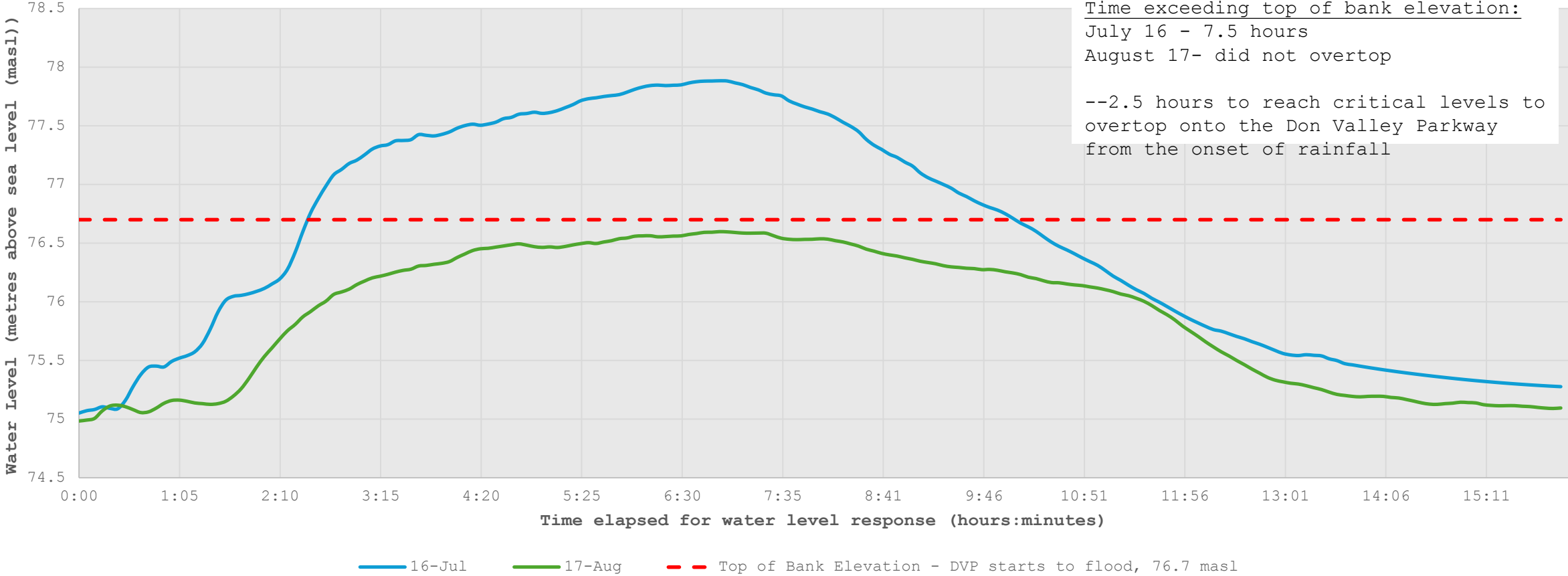
# TRCA Little Etobicoke Stream Gauge Water Level Data

Water Level Comparison at TRCA Little Etobicoke Creek Stream Gauge - July 16, August 17-18, 2024

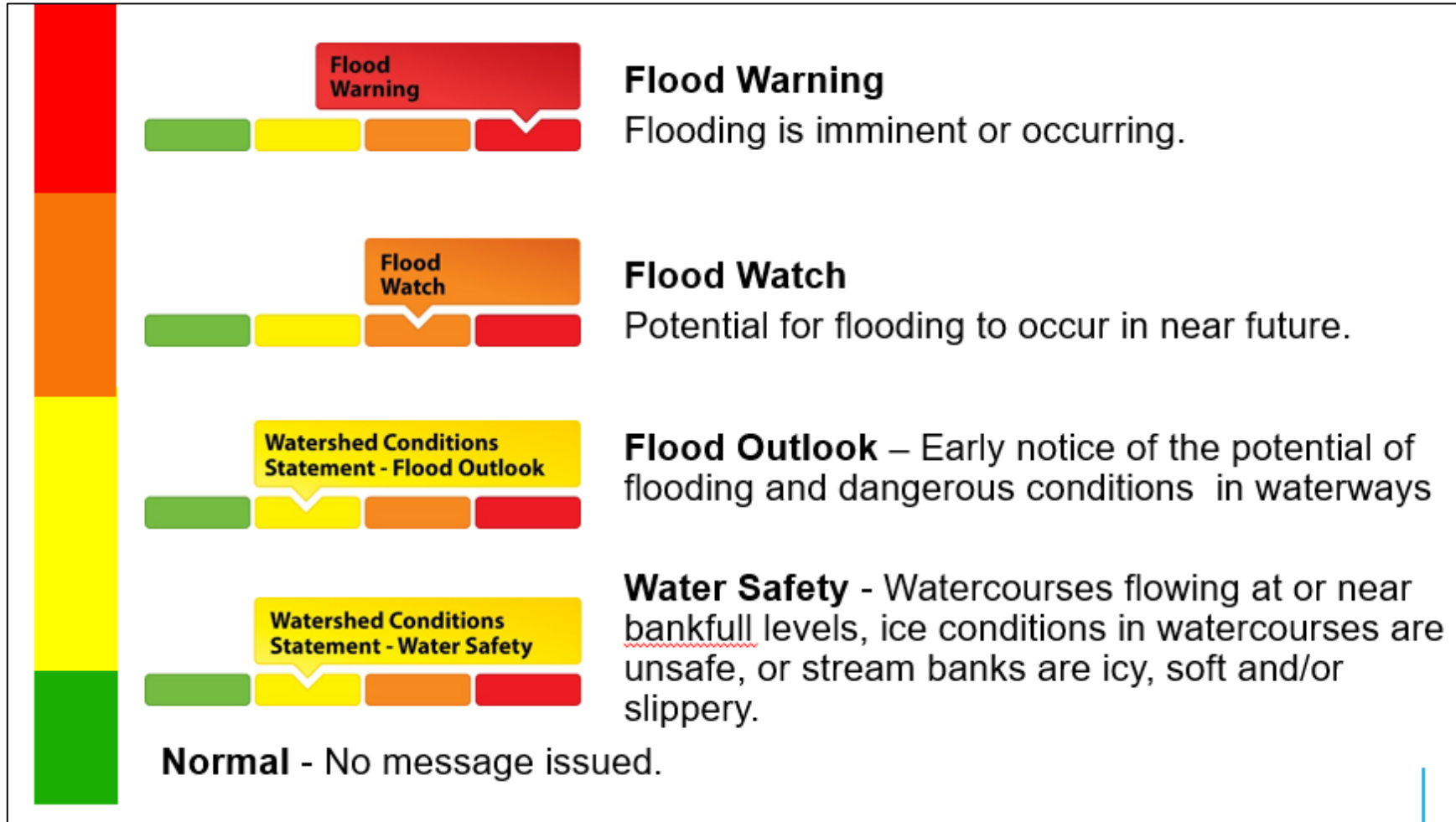


# TRCA Don at Dundas Stream Gauge Water Level Data

Water Level Comparison at TRCA Don at Dundas St. Stream Gauge - July 16 and August 17, 2024



# TRCA Flood Messaging was issued during all three storm events.



An opportunity exists to increase awareness amongst the public, of what the various messages mean.

# Storm Event Probabilities

A storm return period is a statistic, where at any given location, a storm of a certain size, will have a 1 in 100 chance (1/100) or 1% chance of occurring in a given year.

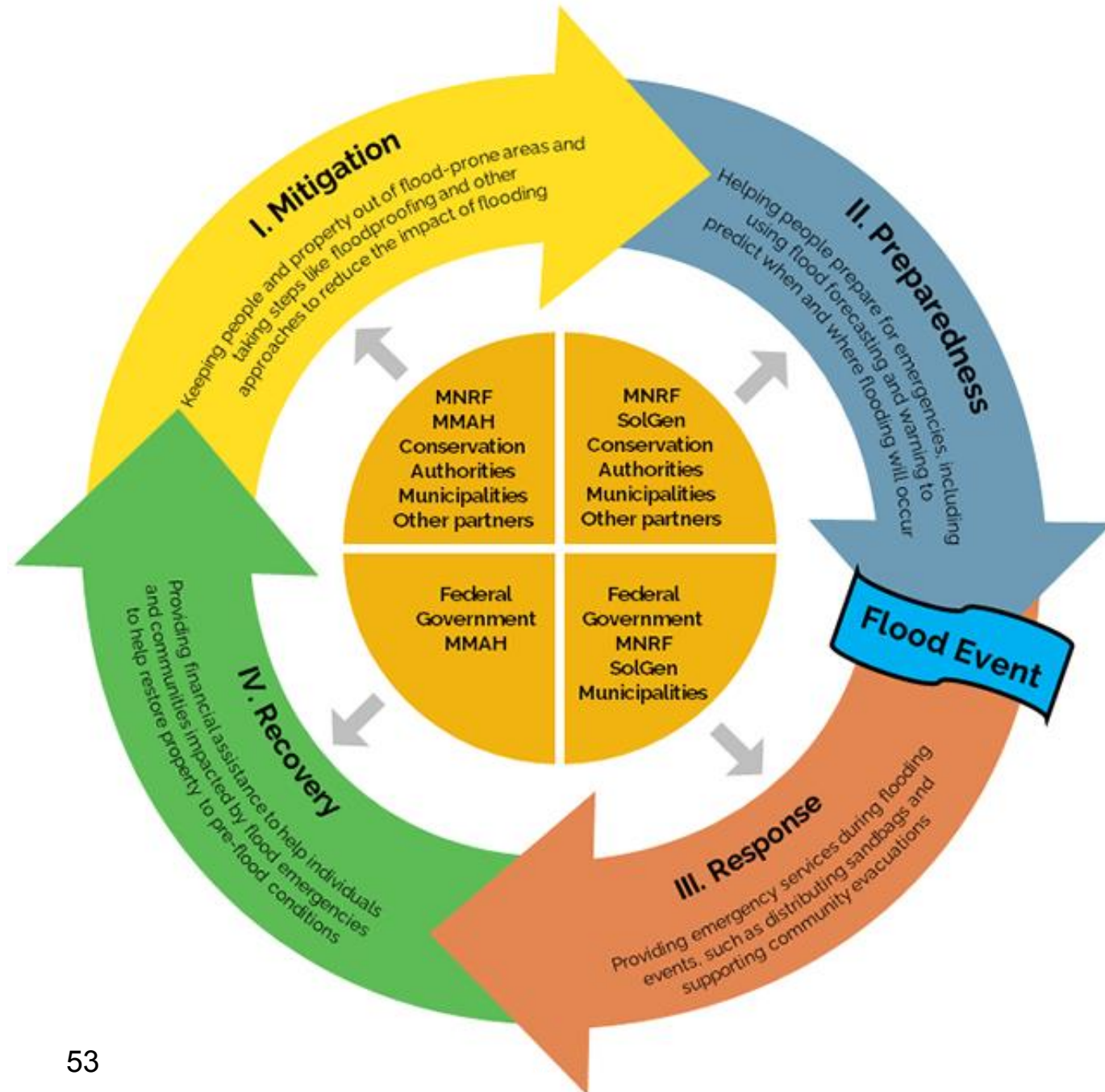


## Things that are also true;

- There is a 26% chance of a 100-year storm happening during a 30-year period (e.g. length of a mortgage).
- Roads & Sewers are sized according to a storm return period.
- Using a different rain gauge will create a different rain event definition (a 100-year storm is not necessarily a 100-year storm).

## Next Steps

- Emergency Services Review
- Hydrometric Program
- Flood Forecasting and Warning Messaging
- External Program Funding
- Storm Event Analysis Report



# Questions?

Attachment 1: Rainfall Totals - July 16 Storm Event  
Report September 27, 2024

**Table 1: Rainfall Totals July 10-15 and July 16, 2024**

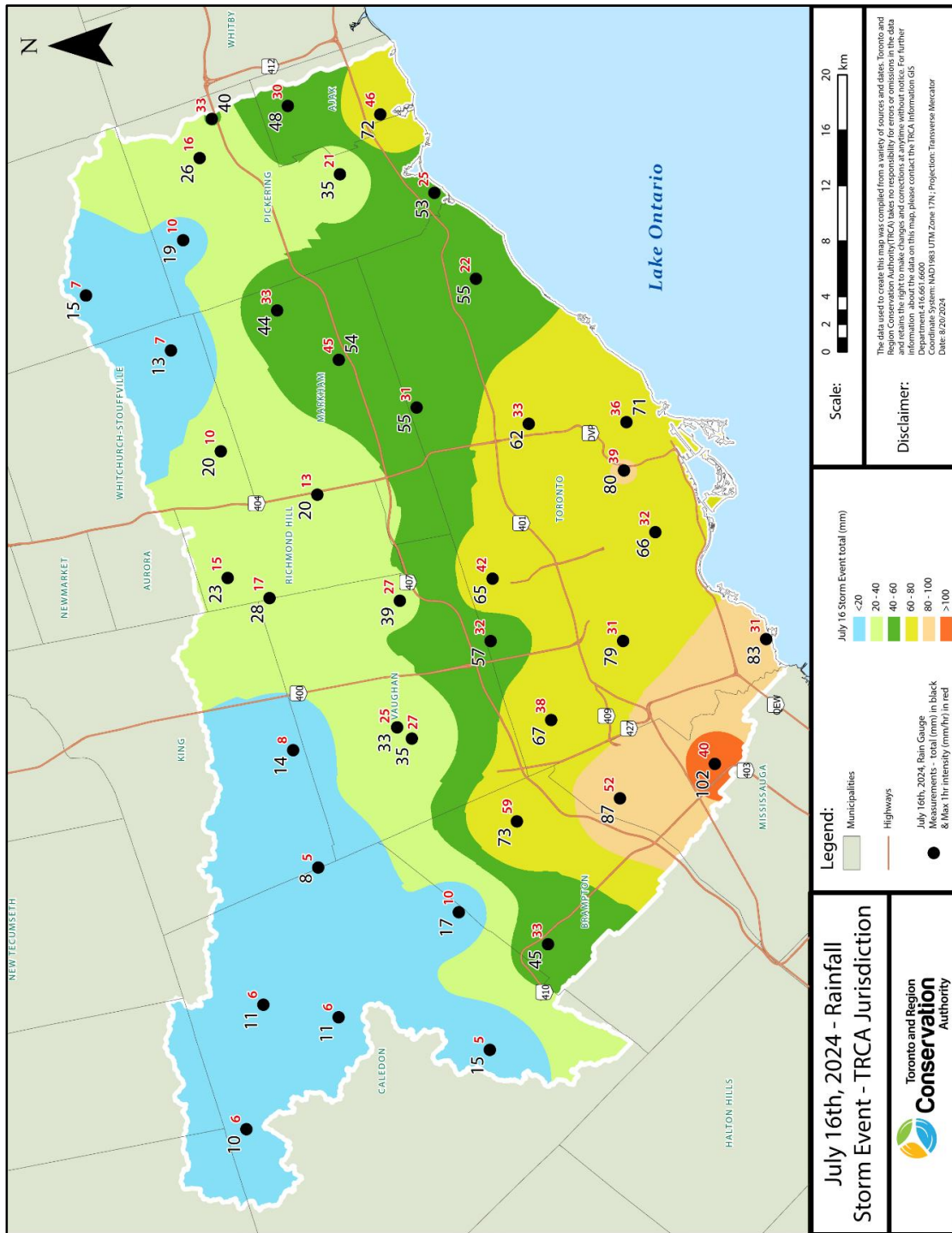
Location	Municipality		6-day total July 10-15	July 16 Storm Event total (mm)	July 16, Max 1hr intensity (mm/hr)	7-Day Total July 10-16
Bayly and Church	Durham	Ajax	62.8	<b>72.0</b>	<b>46.4</b>	134.8
Durham Works Yard	Durham	Ajax	42.2	<b>47.9</b>	<b>29.9</b>	90.1
Balsam at 407	Durham	Pickering	43.3	<b>40.1</b>	<b>32.8</b>	83.4
Brock West Landfill	Durham	Pickering	63.4	<b>34.7</b>	<b>20.9</b>	98.1
Claremont Nature Centre	Durham	Pickering	47.2	<b>26.0</b>	<b>16.4</b>	73.2
Petticoat Works Yard	Durham	Pickering	62.2	<b>53.3</b>	<b>25.2</b>	115.5
Transport Canada	Durham	Pickering	46.6	<b>19.4</b>	<b>10.4</b>	66.0
Goodwood Pumping Station	Durham	Uxbridge	59.2	<b>14.6</b>	<b>7.0</b>	73.8
Heart Lake CA	Peel	Brampton	64.0	<b>44.8</b>	<b>33.2</b>	108.8
West Humber at Hwy7	Peel	Brampton	74.6	<b>73.0</b>	<b>58.6</b>	147.6
Albion Hills	Peel	Caledon	88.3	<b>10.7</b>	<b>6.0</b>	99.0
Caledon East Soccer Complex	Peel	Caledon	75.0	<b>10.6</b>	<b>6.0</b>	85.6
Glen Haffy	Peel	Caledon	99.0	<b>10.4</b>	<b>5.8</b>	109.4
Laidlaw Bus Depot	Peel	Caledon	58.0	<b>17.0</b>	<b>9.8</b>	75.0
Sue Grange Farm	Peel	Caledon	63.6	<b>15.4</b>	<b>5.2</b>	79.0
Mississauga Works Yard	Peel	Mississauga	73.5	<b>86.8</b>	<b>51.6</b>	160.3
Rathwood	Peel	Mississauga	84.7	<b>101.5</b>	<b>39.6</b>	186.2
Alex Duff Memorial Pool	Toronto	Toronto	70.4	<b>65.8</b>	<b>31.6</b>	136.2
Black Creek Pioneer	Toronto	Toronto	66.6	<b>57.4</b>	<b>32.0</b>	124.0

Village						
Brickworks	Toronto	Toronto	81.5	<b>80.3</b>	<b>39.1</b>	161.8
Broadlands Community Centre	Toronto	Toronto	90.5	<b>62.3</b>	<b>32.9</b>	152.8
Danforth and Coxwell	Toronto	Toronto	88.2	<b>70.6</b>	<b>36.4</b>	158.8
G Ross Dam	Toronto	Toronto	61.0	<b>65.4</b>	<b>41.6</b>	126.4
Kennedy Pump Station	Toronto	Toronto	63.1	<b>54.7</b>	<b>31.3</b>	117.8
Morningside Works Yard	Toronto	Toronto	92.2	<b>54.8</b>	<b>21.8</b>	147.0
RL Clark WTP	Toronto	Toronto	93.7	<b>83.0</b>	<b>31.2</b>	176.7
Westmount Park	Toronto	Toronto	76.6	<b>78.6</b>	<b>31.2</b>	155.2
East Humber at Mill Road	York	King	71.6	<b>14.0</b>	<b>7.8</b>	85.6
King and Albion-Vaughan	York	King	71.6	<b>8.2</b>	<b>5.0</b>	79.8
Little Rouge at 16th	York	Markham	62.0	<b>44.0</b>	<b>33.0</b>	106.0
Milne Dam	York	Markham	57.4	<b>54.2</b>	<b>44.6</b>	111.6
Oak Ridges	York	Richmond Hill	81.4	<b>22.7</b>	<b>15.2</b>	104.1
York Pumping Station	York	Richmond Hill	82.4	<b>28.4</b>	<b>16.8</b>	110.8
York Region Works Yard	York	Richmond Hill	56.4	<b>20.2</b>	<b>13.2</b>	76.6
Dufferin Reservoir	York	Vaughan	74.0	<b>39.4</b>	<b>26.5</b>	113.4
Kortright	York	Vaughan	78.8	<b>33.0</b>	<b>25.2</b>	111.8
Restoration Services	York	Vaughan	71.0	<b>35.2</b>	<b>27.0</b>	106.2
Bruces Mill CA	York	Whitchurch-Stouffville	53.8	<b>20.1</b>	<b>10.1</b>	73.9
Stouffville Dam	York	Whitchurch-Stouffville	40.3	<b>13.0</b>	<b>7.1</b>	53.3
<b>Minimum value</b>			<b>40 mm</b>	<b>8 mm</b>	<b>5.0 mm/hr</b>	<b>53 mm</b>



<b>Average rainfall and intensity</b>	<b>69 mm</b>	<b>43 mm</b>	<b>24.8 mm/hr</b>	<b>112 mm</b>
<b>Maximum value</b>	<b>99 mm</b>	<b>102 mm</b>	<b>58.6 mm/hr</b>	<b>186 mm</b>

Attachment 2: Rainfall distribution map for July 16, 2024  
 Report September 27, 2024



**Figure 1: TRCA rainfall distribution map for July 16<sup>th</sup> event – totals and maximum rainfall intensities**

Attachment 3: Rainfall Totals – August 17-18, 2024  
Report September 27, 2024

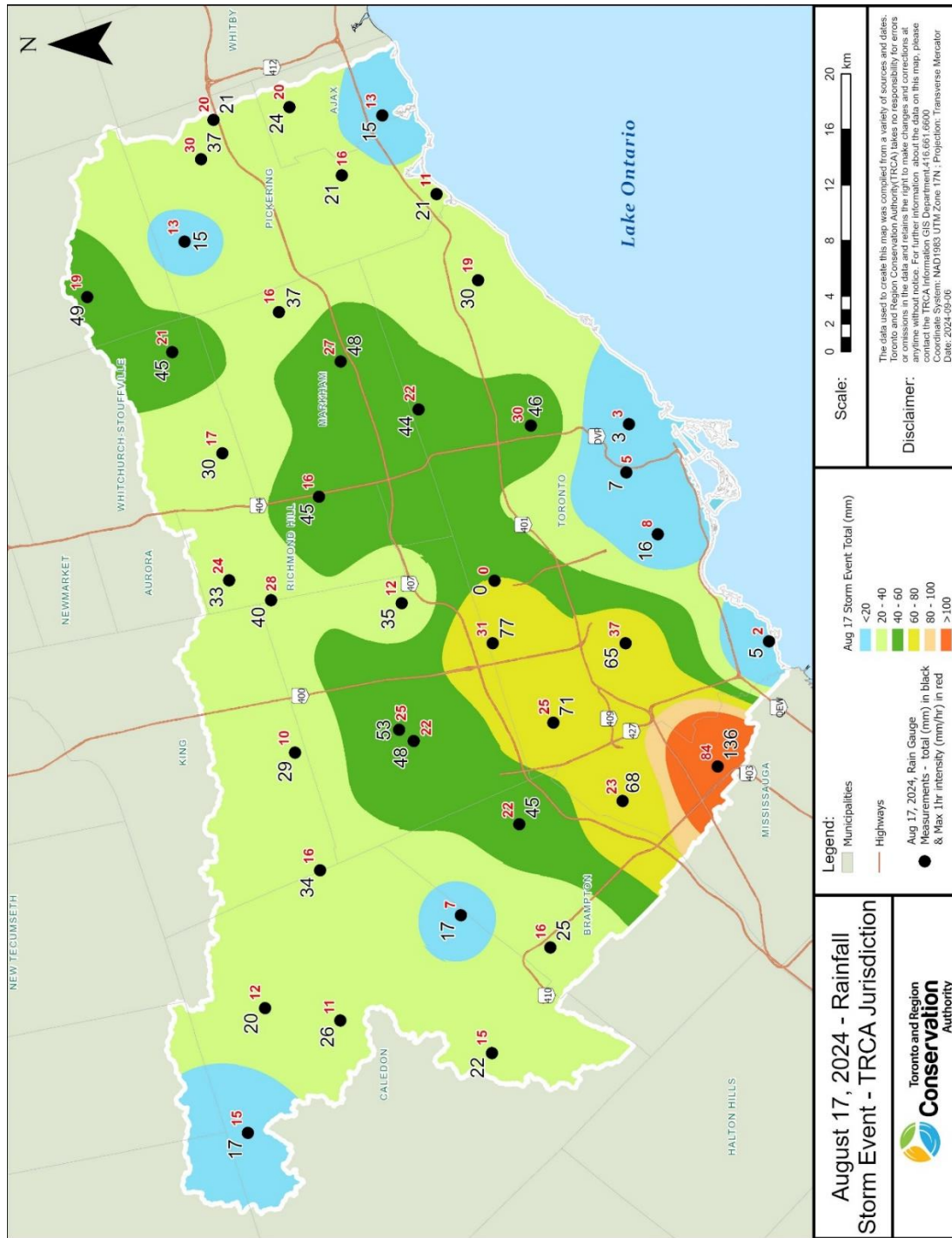
**Table 2: Rainfall Totals August 17-18, 2024**

Location	Municipality		August 17 Storm Event Totals (mm)	August 17 Max 1-hr intensity (mm/hr)	August 18 Storm Event Totals (mm)	August 18 Max 1-hr intensity (mm/hr)	2-day total August 17-18 (mm)
Bayly and Church	Durham	Ajax	15.2	13.4	5.2	4.6	20.4
Durham Works Yard	Durham	Ajax	24.2	20.4	1.1	0.7	25.3
Brock West Landfill	Durham	Pickering	21.4	15.5	0.6	0.3	22.0
Transport Canada	Durham	Pickering	15.2	13.4	5.2	4.6	20.4
Petticoat Works Yard	Durham	Pickering	21.4	11.4	1.4	0.7	22.8
Balsam at 407	Durham	Pickering	21.4	20.2	2.2	1.0	23.6
Claremont Nature Centre	Durham	Pickering	37.0	30.2	1.6	1.4	38.6
Goodwood Pumping Station	Durham	Uxbridge	48.6	19.0	25.4	19.6	74.0
Heart Lake CA	Peel	Brampton	25.4	16.0	12.8	4.2	38.2
West Humber at Hwy7	Peel	Brampton	44.8	21.8	6.2	2.0	51.0
Albion Hills	Peel	Caledon	20.2	12.3	34.2	20.4	54.4
Glen Haffy	Peel	Caledon	17.2	14.6	26.0	19.0	43.2
Laidlaw Bus Depot	Peel	Caledon	16.6	6.9	8.8	2.8	25.4
Sue Grange Farm	Peel	Caledon	22.2	14.6	45.4	29.8	67.6
Caledon East Soccer Complex	Peel	Caledon	25.6	10.8	21.8	11.0	47.4
Mississauga Works Yard	Peel	Mississauga	67.8	23.0	30.5	28.2	98.3

Rathwood	Peel	Mississauga	<b>135.7</b>	83.9	<b>32.6</b>	29.6	168.3
Alex Duff Memorial Pool	Toronto	Toronto	<b>15.6</b>	7.8	<b>1.8</b>	1.2	17.4
Brickworks	Toronto	Toronto	<b>6.6</b>	4.8	<b>5.9</b>	4.9	12.5
Danforth and Coxwell	Toronto	Toronto	<b>3.4</b>	3.0	<b>2.0</b>	0.6	5.4
G Ross Dam	Toronto	Toronto	Data Unavailable from this station				
Kennedy Pump Station	Toronto	Toronto	<b>43.5</b>	22.3	<b>3.2</b>	1.6	46.7
Morningside Works Yard	Toronto	Toronto	<b>30.2</b>	19.0	<b>2.4</b>	0.8	32.6
RL Clark WTP	Toronto	Toronto	<b>4.9</b>	2.0	<b>1.4</b>	0.8	6.3
Westmount Park	Toronto	Toronto	<b>64.6</b>	36.6	<b>4.0</b>	2.2	68.6
Black Creek Pioneer Village	Toronto	Toronto	<b>77.2</b>	30.8	<b>5.8</b>	2.1	83.0
Broadlands Community Centre	Toronto	Toronto	<b>46.4</b>	30.2	<b>4.0</b>	2.9	50.4
Elmbank Community Centre	Toronto	Toronto	<b>71.0</b>	25.0	<b>17.3</b>	14.9	88.3
King and Albion-Vaughan	York	King	<b>33.6</b>	16.2	<b>26.0</b>	12.4	59.6
East Humber at Mill Road	York	King	<b>29.0</b>	10.2	<b>10.2</b>	3.8	39.2
Little Rouge at 16th	York	Markham	<b>36.6</b>	15.8	<b>5.6</b>	4.0	42.2
Milne Dam	York	Markham	<b>48.2</b>	27.0	<b>3.2</b>	2.0	51.4
York Pumping Station	York	Richmond Hill	<b>39.8</b>	28.4	<b>21.0</b>	12.4	60.8
York Region Works Yard	York	Richmond Hill	<b>45.4</b>	15.8	<b>16.8</b>	10.8	62.2
Oak Ridges	York	Richmond Hill	<b>32.8</b>	24.0	<b>19.0</b>	10.0	51.8
Dufferin Reservoir	York	Vaughan	<b>35.1</b>	12.2	<b>32.5</b>	23.1	67.6

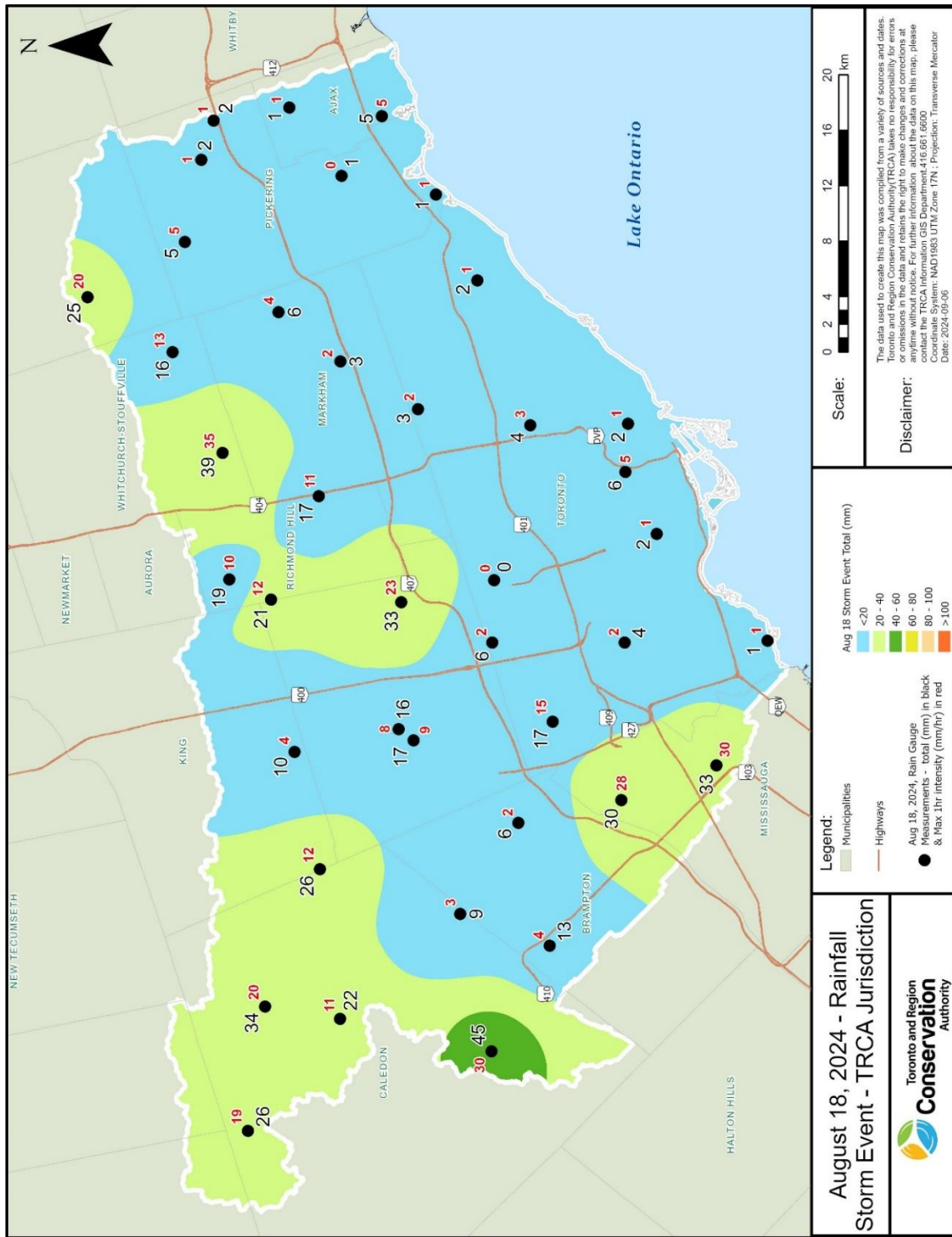
Kortright	York	Vaughan	<b>53.2</b>	24.8	<b>16.4</b>	8.0	69.6
Restoration Services	York	Vaughan	<b>48.2</b>	22.4	<b>16.8</b>	9.2	65.0
Bruces Mill CA	York	Whitchurch-Stouffville	<b>30.1</b>	17.2	<b>39.4</b>	35.3	69.5
Stouffville Dam	York	Whitchurch-Stouffville	<b>44.6</b>	21.1	<b>16.3</b>	12.9	60.9
<b>Minimum value</b>			<b>3 mm</b>	<b>2.0 mm/hr</b>	<b>&lt;1 mm</b>	<b>0.3 mm/hr</b>	<b>5 mm</b>
<b>Average rainfall and intensity</b>			<b>36 mm</b>	<b>19.6 mm/hr</b>	<b>14 mm</b>	<b>9.1 mm/hr</b>	<b>50 mm</b>
<b>Maximum value</b>			<b>136 mm</b>	<b>83.9 mm/hr</b>	<b>45 mm</b>	<b>35.3 mm/hr</b>	<b>168 mm</b>

Attachment 4: Rainfall distribution map for August 17, 2024  
 Report September 27, 2024



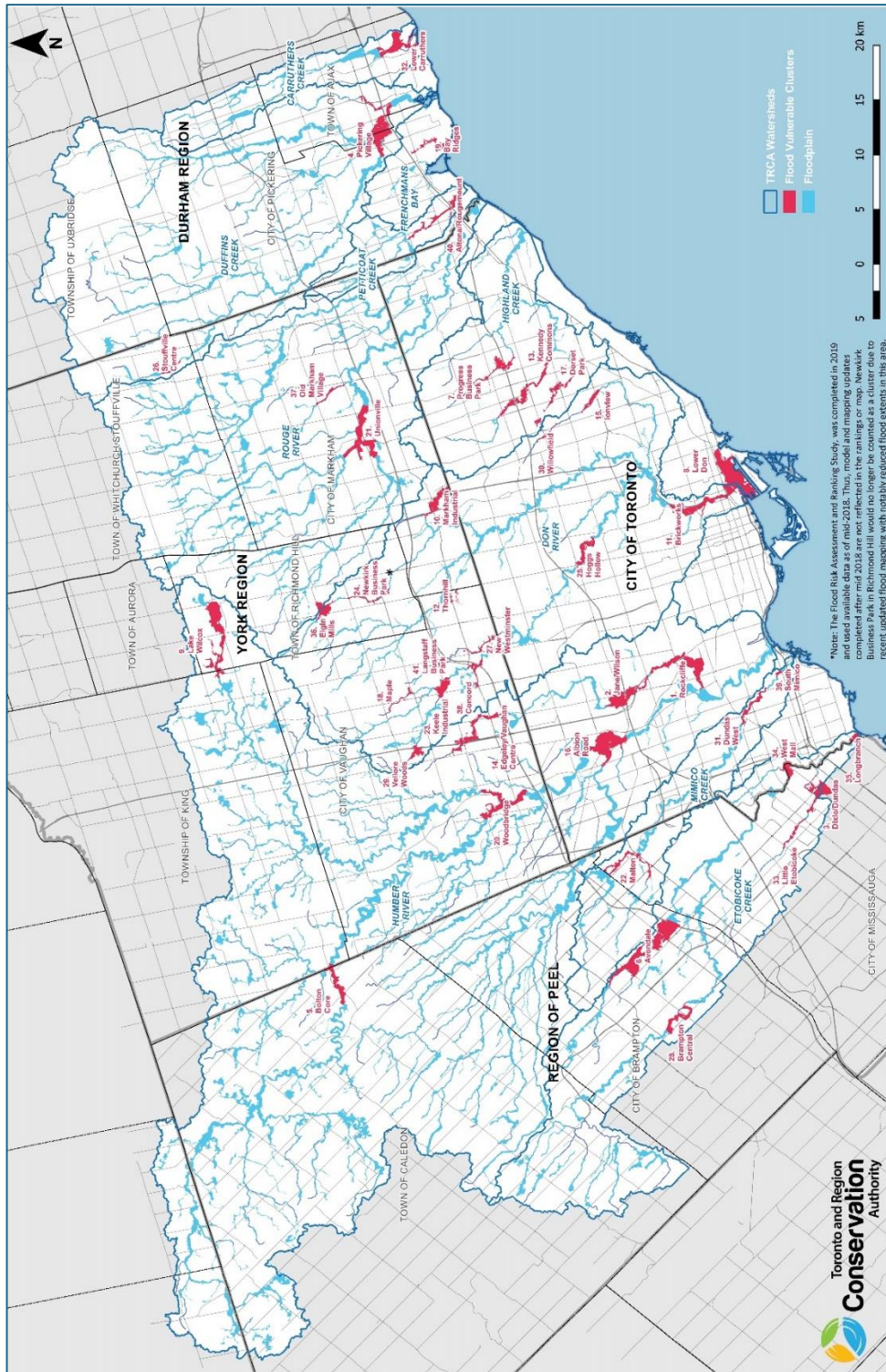
**Figure 2:** TRCA rainfall distribution map for August 17<sup>th</sup> event – totals and maximum rainfall intensities

Attachment 5: Rainfall distribution map for August 18, 2024  
 Report September 27, 2024



**Figure 3:** TRCA rainfall distribution map for August 18<sup>th</sup> event – totals and maximum rainfall intensities

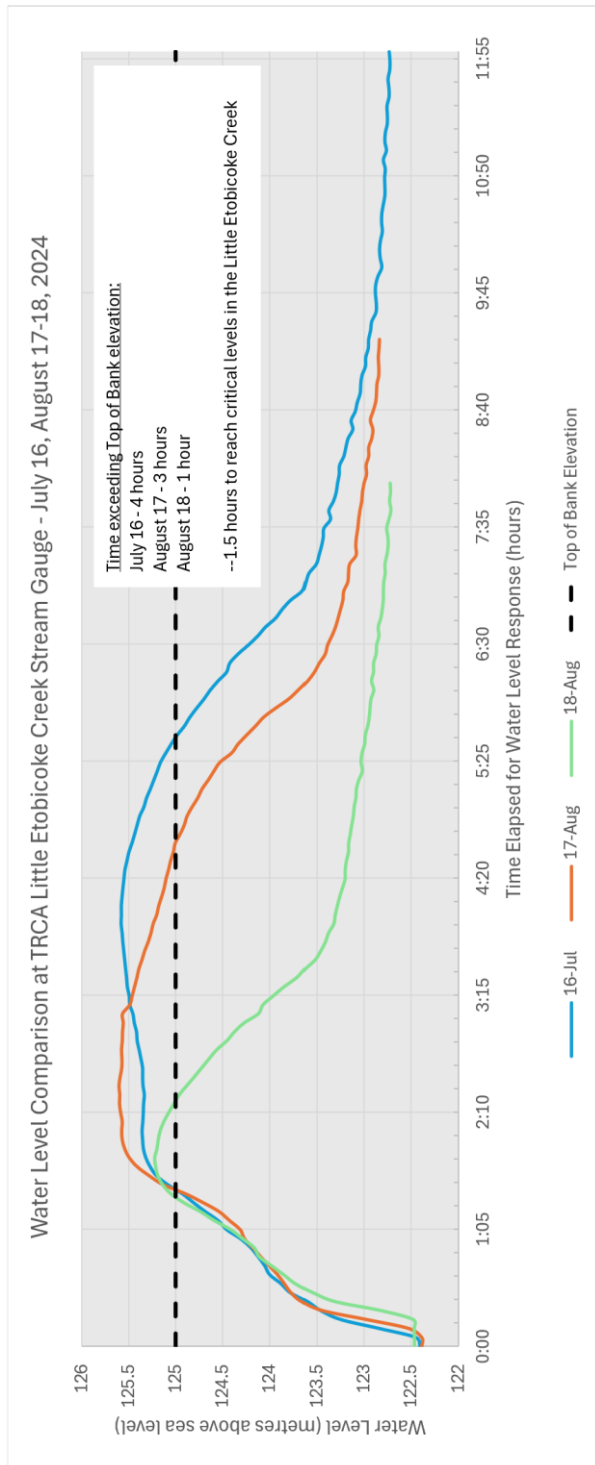
# Attachment 6: TRCA Flood Vulnerable Clusters Map Report September 27, 2024



**Figure 4: TRCA's Flood Vulnerable Clusters**



# Attachment 7: Water level comparison chart for Little Etobicoke Creek Report September 27, 2024



**Figure 5: Water level comparison chart for Little Etobicoke Creek**

**Section III – Items for the Information of the Board**

**TO:** Chair and Members of the Board of Directors  
Friday, September 27, 2024 Meeting

**FROM:** Laurie Nelson, Director, Policy Planning

**RE: UPDATE ON MINISTER’S ZONING ORDERS UNDER THE  
PLANNING ACT IN TRCA’S JURISDICTION**

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**KEY ISSUE**

To update and inform the Board of Directors on the current state of Minister’s Zoning Orders (MZOs) under the Planning Act in TRCA’s jurisdiction as per previous Board direction.

**RECOMMENDATION:**

**IT IS RECOMMENDED THAT this report on the state of Minister’s Zoning Orders (MZOs) under the Planning Act in Toronto and Region Conservation Authority’s (TRCA’s) jurisdiction, be received.**

**BACKGROUND**

Section 47 of the Planning Act authorizes the Minister of Municipal Affairs and Housing (“the Minister”) to make zoning orders (MZOs) that regulate the use of land in Ontario. On July 21, 2020, legislative changes to the Planning Act were enacted through Bill 197, the COVID-19 Economic Recovery Act, to provide the Minister with enhanced zoning powers across the province (e.g., remove municipal use of site plan control), with the exception of lands within the Greenbelt Area. The Planning Act was further amended on April 12, 2021, through Schedule 3 of Bill 257, the Supporting Broadband and Infrastructure Expansion Act, 2021, so that an MZO does not have to be consistent with the Provincial Policy Statement (PPS). This amendment does not apply to lands located within the Greenbelt Area. In addition, the changes provided that any existing MZOs never had to be consistent with the PPS.

**TRCA’s Role Related to Plan Review and Minister’s Zoning Orders**

TRCA works in collaboration with our regional and local municipalities, the building industry, provincial ministries, agencies, and stakeholders to advance a coordinated review and approval process that is informed by the latest watershed science and technical information. With the most

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highly urbanized and urbanizing watersheds in the province, TRCA recognizes the importance of efficiency, certainty, transparency and accountability in planning and design review processes, so that development and infrastructure projects can occur in a timely and environmentally sustainable manner and protect people and property from the risks of natural hazards.

Through participation in the review of development applications, TRCA strives to ensure that municipally approved development under the Planning Act can also meet the regulatory requirements governing the issuance of permits under the Conservation Authorities Act (CA Act). Key to this process is ensuring that natural hazard mapping and policies are reflected in municipal official plans and zoning by-laws consistent with the PPS and CA Act regulatory requirements. In addition, TRCA encourages the municipality to include our staff in pre-consultation meetings and to help set Terms of Reference (TOR) for technical studies as part of a complete Planning Act application and to meet TRCA's regulatory permitting requirements.

It has been TRCA's experience that municipally led strategic, comprehensive and coordinated planning processes that incorporate integrated watershed management through technical studies and analysis facilitate timely, safe, and resilient development and infrastructure to protect new and intensifying communities. In accordance with Section 21.1(1) of the CA Act and Ontario Regulation 686/21: Mandatory Programs and Services, TRCA is required to provide programs and services related to the risk of natural hazards within its jurisdiction. TRCA must, acting on behalf of the Ministry of Natural Resources (MNR) or in its capacity as a public body under the Planning Act, ensure that decisions under the Planning Act are consistent with the natural hazard policies of the PPS and conform to any natural hazard policies in a provincial plan.

TRCA is also mandated to undertake its duties, functions, and responsibilities to administer and enforce the provisions of Parts VI and Parts VII of the CA Act related to permits.

On December 8, 2020, the CA Act was amended by Bill 229, Protect, Support and Recover from COVID-19 Act (Budget Measures), 2020, with the addition of Section 28.0.1 specific to developments authorized by an MZO under the Planning Act, within an area regulated under Section 28(1) of the CA Act, (the Regulated Area) outside of the Greenbelt. As a result, a conservation authority is compelled to issue a permit, shall not

## Item 9.3

refuse a permit, and may only impose conditions on the permit.

Section 28.0.1 of the CA Act was further amended on November 28, 2022, by Bill 23, the More Homes Built Faster Act, 2022. The tests of “pollution” and “conservation of land” were replaced with “unstable soil or bedrock” for permits related to MZO and Community Infrastructure and Housing Accelerators (CIHA) and new provisions were included enabling the Minister of Natural Resources (MNR), by regulation to limit conditions to be applied to such permits.

On April 1, 2024, further amendments to the CA Act were proclaimed into force. There were no changes to the provisions of Section 28.0.1, however, the section was renumbered to Section 28.1.2.

The current in-force provisions of the CA Act related to MZO permits are summarized below:

- The Conservation Authority (CA) shall issue a permit.
- The CA may only impose conditions to the permit, including conditions to mitigate:
  - Any effects the development project is likely to have on the control of flooding, erosion, dynamic beaches or unstable soil or bedrock;
  - Any conditions or circumstances created by the development project that, in the event of a natural hazard, might jeopardize the health or safety of persons or result in the damage or destruction of property; or
  - Any other matters that may be prescribed by regulation.
- An applicant has the right to a Hearing if there is an objection to the permit conditions being imposed by the CA.
- If the applicant still objects to conditions following a decision of the Hearing Board, the applicant has the option to either request a Minister’s review (MNR) or appeal to the Ontario Land Tribunal (OLT).
- All MZO-related CA permits must have an agreement with the permittee (can include additional parties, e.g., municipalities, on consent of applicant).
- The agreement shall set out actions that the holder of the permission must complete or satisfy to protect and/or compensate for ecological impacts (where applicable), and any other impacts

that may result from the development project.

- The agreement must be executed before works commence on the site.

In summary, TRCA must issue a permit for development projects on lands subject to an MZO, outside of the Greenbelt and can make that permission subject to conditions and must enter into an agreement with the landowner/applicant. Consistent with current practice, Board/Executive Committee approval is required for all TRCA MZO permit applications.

### **RATIONALE**

#### **Analysis of MZOs in TRCA's Jurisdiction**

Due to the potential for projects involving MZOs to be located within the TRCA's Regulated Area, TRCA staff have used publicly available information (e.g., Environmental Registry of Ontario (ERO), reviews of municipal council agendas), as well as engagement of TRCA staff on specific files, to monitor and track MZOs issued by the Minister or requested through a municipal council resolution since 2020.

The last MZO [status report](#) was provided to the Board of Directors on February 25, 2022. The following is a summary of the status of issued and requested MZOs in TRCA's jurisdiction as of August 30, 2024, and as set out in more detail in the attachments to this report.

Attachment 1: Issued MZOs in TRCA Jurisdiction (Within Regulated Area) Since 2020

Attachment 2: Issued MZOs in TRCA Jurisdiction (Outside of Regulated Area) Since 2020

Attachment 3: Requested MZOs in TRCA Jurisdiction (Since 2020)

Attachment 4: Map of Issued and Requested MZOs in TRCA Jurisdiction (Since 2020)

The tables in the attachments include links to the issued MZO regulation and associated schedule, related ERO postings and TRCA Authority/Executive related permit reports. As noted, staff depend on publicly available information to identify and monitor MZOs within TRCA's jurisdiction. As such, this information may not be complete and should not

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be relied upon as legal or professional advice in connection with any particular matter. The Province or applicable municipality should be consulted to confirm specific details on an MZO approval or request.

Where an MZO request is known, TRCA proactively communicates policy, technical and regulatory interests in a timely manner to municipal and provincial officials and the applicants. In several cases, TRCA has been engaged in upfront discussions with municipal staff to identify conditions of approval for TRCA permits associated with MZOs (e.g., technical studies and environmental protection, rehabilitation and/or ecosystem compensation plans where applicable).

Based on staff analysis, 61 MZOs have been issued by the Minister in TRCA's jurisdiction since January 2020, of which 29 are located partially or entirely within TRCA's Regulated Area. To date, TRCA has approved 23 permits related to 14 MZO developments. In a number of instances, TRCA generally had no objection to the MZO in principle, given that a number of projects had been previously subject to municipal review through Planning Act processes (e.g., municipally initiated secondary plan processes involving TRCA review) or where TRCA's interests would be satisfactorily addressed through the subsequent stages of the planning approvals process or CA Act permitting process.

In other instances, TRCA staff were not notified prior to an MZO request and/or consulted prior to the Minister's issuance of an MZO within a TRCA regulated area despite TRCA's mandatory roles for managing the risks associated with natural hazards, and CA Act regulatory authority. For some of these files, the CEO and senior staff reached out to staff in MMAH, MNR, Ministry of Environment, Conservation and Parks (MECP) and Ministry of Transportation (MTO), to apprise them of TRCA concerns and regulatory interests, and to encourage or facilitate coordination to avoid any potential conflict with various provincial approval processes.

### **Provincial Review of Past MZO Decisions**

As directed by the Board of Directors, TRCA staff submitted correspondence to MMAH on November 28, 2023, in response to the Minister's October 23, 2023 announcement to review past MZO decisions. Based on staff's experience with MZO files and to address challenges, TRCA recommended that:

- Given the potential risk to public health and safety or property from

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natural hazards and the growing risks from climate change and extreme weather events, the approval of an MZO be consistent with the PPS and that the Planning Act be amended accordingly;

- If an MZO is being considered within a regulated area under the CA Act within TRCA's jurisdiction, that MMAH staff consult with TRCA in order that the requirements of obtaining a CA Act permit are considered and can be satisfied, prior to approval of the MZO by the Minister; and
- That an approved MZO schedule accurately reflect the natural hazards and features on the subject lands and that the schedule be included with the MZO for clarity and certainty (schedules are not posted with the regulations on e-laws). Furthermore, that the provisions of an MZO acknowledge the requirements of the CA Act (e.g., development setbacks, technical and flood remediation studies, ecosystem compensation, etc.).

On December 23, 2023, the Minister of Municipal Affairs and Housing consulted through the ERO ([019-8001](tel:019-8001)) on several proposals to potentially revoke, amend or enhance monitoring for specific MZOs where limited progress has been made towards implementation of the proposed project. TRCA submitted comments to the ERO on three proposed revocations, one proposed amendment and three proposed enhanced monitoring of issued MZOs. Links to the relevant postings are noted in the attachments to this report.

### **New Zoning Order Framework**

On April 10, 2024, MMAH released a new zoning order framework to guide how requests for zoning orders under Section 47 of the Planning Act are submitted and considered. The framework includes intake thresholds, submission expectations, and the process for ministry assessments and decision-making (including public consultation). The following is a summary of the information found on the Province's Zoning Order Framework [webpage](#).

The Minister will consider requests for zoning orders that meet at least one of the following intake thresholds:

- requests that deliver on a provincial priority that is supported by a minister (e.g., long-term care, hospitals, transit-oriented communities, educational facilities, housing priorities, economic development, manufacturing, etc.)

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- requests that are supported by a single-tier or lower-tier municipality (e.g., through a municipal council resolution or a letter from a mayor where the municipality has been designated with strong mayor powers).

Submission expectations for consideration of a request include:

- a description of the project and how it supports governmental objectives;
- a map and description of the subject lands;
- a copy of the draft zoning order;
- a description of consultation with the public and engagement with Indigenous communities;
- for municipally supported zoning order requests, evidence of municipal support for the proposed project and information related to land ownership and name of the requestor;
- rationale on why the project requires ministerial zoning relief rather than following municipal planning processes;
- a description of any licenses, permits, approvals, permissions or other matters that would be required for the project after the zoning order is made;
- justification for the exemption of the application of provincial and local land use policies to downstream approvals, where requested;
- anticipated timelines related to applying for downstream approvals (for example, site plan, plan of subdivision, building permit);
- anticipated timing for project completion;
- justification for the use of any the enhanced authorities, where requested;
- information related to how and when servicing (water/wastewater) will be addressed; and
- a commitment that if a zoning order is made, the landowner will notify the Minister 30 days in advance of the sale of any land to which it applies.

MMAH will assess requests for zoning orders that meet at least one of the intake thresholds and may ask for additional information to be provided to make a decision. Requests that have met zoning order framework requirements are posted as a public notice on the ERO for a minimum of 30 days, except where the request for the zoning relief is deemed time



sensitive.

If the Minister chooses to make a zoning order, it becomes a regulation under the Planning Act once filed and is published on e-Laws. If a request is refused, the requestor will be notified. The process to amend or revoke a zoning order is also described in the framework.

As stated on the webpage, zoning orders address the zoning of a site. They do not provide a proponent with approval to start construction and do not exempt them from obtaining other downstream approvals such as plan of subdivision approval, environmental approvals, building permits and other applicable permits.

### **Community Infrastructure and Housing Accelerator Orders**

On June 6, 2024, through Bill 185, the Cutting Red Tape to Build More Homes Act, the Province repealed the provisions in the Planning Act for the Minister to make Community Infrastructure and Housing Accelerator (CIHA) orders. While no CIHA orders will be made going forward from this date, the Minister may instead consider making an MZO in response to this request, provided there is municipal support and other information outlined in the zoning order framework is provided. As noted in Attachment 3, there have been CIHAs requested in TRCA's jurisdiction, of which four are within regulated areas.

### **Relationship to TRCA's 2023-2034 Strategic Plan**

This report supports the following Pillars and Outcomes set forth in TRCA's 2023-2034 Strategic Plan:

#### **Pillar 1 Environmental Protection and Hazard Management:**

- 1.1 Deliver provincially mandated services pertaining to flood and erosion hazards

#### **Pillar 1 Environmental Protection and Hazard Management:**

- 1.4 Balance development and growth to protect the natural environment ensuring safe sustainable development

#### **Pillar 2 Knowledge Economy:**

- 2.3 Advocacy and adaptability in the face of policy pressures

#### **Pillar 2 Knowledge Economy:**

- 2.4 Integrate environmental considerations and science into decision making

### FINANCIAL DETAILS

Staff are engaged in this policy analysis work per the normal course of duty, with funding support provided by TRCA's participating municipalities to account 120-12. Programs and services related to ensuring that TRCA satisfies its responsibilities under the Planning Act and its duties, functions, and responsibilities to administer and enforce the provisions of Parts VI and VII of the CA Act and any regulations made under those Parts, are mandatory under O. Reg. 686/21.

### DETAILS OF WORK TO BE DONE

Staff will continue to monitor, and track issued and requested MZOs within TRCA's jurisdiction. Accordingly, staff will proactively advise municipalities, proponents and the Province, consistent with O. Reg. 686/21 and the permitting provisions related to MZOs in Section 28.1.2 of the CA Act. TRCA staff are committed to working collaboratively with municipalities, provincial ministries and agencies, the building industry and stakeholders in a manner that is informed by the latest watershed science and achieves safe and resilient communities.

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**Email: laurie.nelson@trca.ca**

**Date: August 30, 2024**

**Attachments: 4**

Attachment 1: Issued Minister's Zoning Orders (MZOs) in TRCA Jurisdiction (within Regulated Area) Since 2020

Attachment 2: Issued Minister's Zoning Orders (MZOs) in TRCA Jurisdiction (Outside Regulated Area) Since 2020

Attachment 3: Requested Minister's Zoning Orders (MZOs) in TRCA Jurisdiction Since 2020

Attachment 4: Map of Issued and Requested MZOs in TRCA Jurisdiction Since 2020

**Attachment 1: Issued Minister’s Zoning Orders (MZOs) in TRCA Jurisdiction (within Regulated Area) Since 2020**  
**(As of August 30, 2024)**

**Regulated Area:** Areas within the Toronto and Region Conservation Authority (TRCA) jurisdiction governed by paragraph 2 of subsection 28 (1) of the Conservation Authorities Act and section 4 of Ontario Regulation 41/24: Prohibited Activities, Exemptions and Permits

**\*Total # of MZOs issued within TRCA Regulated Area – 29**

MZO O. Reg. #	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<b>Regional Municipality of York</b>						
<a href="#">Ontario Regulation 172/20</a>	<a href="#">11776 Hwy 48 (north of Hamlet of Dickson Hill), Whitchurch-Stouffville / Markham</a>	Apr 24, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-1686</a> . Through <a href="#">ERO Posting 019-8020</a> the Ministry will closely monitor the progress of MZO 172/20 over the next 18 months and consider a potential revocation or amendment in the future if a lack of progress towards completion is not made.	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 173/20</a>	<a href="#">11110 Jane St, 10520 Jane St and 3180 Teston Rd, Vaughan</a>	May 22, 2020, Amended Apr 29, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-1685</a> Amending MZO: <a href="#">Ontario Regulation 456/22</a> and <a href="#">ERO Posting 019-5379</a>	<a href="#">Executive Committee Meeting: April 9, 2021</a>
<a href="#">Ontario Regulation 643/20</a>	<a href="#">2901 Rutherford Rd, Vaughan</a>	Jun 11, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-2704</a>	<a href="#">Executive Committee Meeting: November 3, 2023</a>
<a href="#">Ontario Regulation 644/20</a>	<a href="#">Vicinity of Teston Rd &amp; Weston Rd, Vaughan</a>	Jun 11, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-2694</a>	<a href="#">Executive Committee Meeting: June 11, 2021</a> <a href="#">Executive Committee Meeting: June 9, 2023</a> <a href="#">Board of Directors Meeting: June 23, 2023</a>
<a href="#">Ontario Regulation 445/20</a>	<a href="#">7231 Martin Grove Rd, Vaughan</a>	Aug 12, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-2279</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 610/20</a>	<a href="#">11776 and 11882 Hwy 48 (near Hwy 48 and 19<sup>th</sup> Ave), Whitchurch-Stouffville</a>	Oct 30, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-2541</a> . Through <a href="#">ERO Posting 019-8020</a> the Ministry will closely monitor the progress of MZO 610/20 over the next 18 months and consider a potential revocation or amendment in the future if a lack of progress towards completion is not made.	<a href="#">Executive Committee Meeting: June 9, 2023</a>
<a href="#">Ontario Regulation 698/20</a>	<a href="#">1577-1621 Major Mackenzie Dr East, Richmond Hill</a>	Dec 2, 2020, Amended on May 12, 2023	Endorsed	Yes	<a href="#">ERO Posting 019-2812</a> Amending MZO: <a href="#">Ontario Regulation 90/23</a> and <a href="#">ERO Posting 019-6896</a>	<a href="#">Board of Directors Meeting: June 25, 2021</a> <a href="#">Executive Committee Meeting: May 6, 2022</a> <a href="#">Executive Committee Meeting: April 14, 2023</a>

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MZO O. Reg. #	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<a href="#">Ontario Regulation 169/21</a>	<a href="#">36 Apple Creek Blvd, Markham &amp; 8885 Woodbine Ave, Markham</a>	Mar 5, 2021, Amended on Jun 16, 2023	Endorsed	Yes	<a href="#">ERO Posting 019-3323</a> Amending MZOs: <a href="#">O. Reg. 550/21</a> and <a href="#">ERO Posting 019-4116</a> ; <a href="#">O. Reg. 164/22</a> and <a href="#">ERO Posting 019-5178</a> ; <a href="#">O. Reg. 492/22</a> and <a href="#">O. Reg. 28/23</a> and <a href="#">ERO Posting 019-6640</a> . These four (4) MZOs amended <a href="#">O. Reg. 169/21</a> and <a href="#">ERO Posting 019-3323</a>	<a href="#">Board of Directors Meeting: April 28, 2023</a>
<a href="#">Ontario Regulation 172/21</a>	<a href="#">5474 19<sup>th</sup> Ave and 5662 19<sup>th</sup> Ave, Markham</a>	Mar 5, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-3318</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 170/21</a>	<a href="#">1950, 1970, 2160, 2180 and 2200 Hwy 7 and 137,163 &amp; 175 Bowes Rd, Vaughan</a>	Mar 5, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-3284</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 599/21</a>	<a href="#">3143 19<sup>th</sup> Ave, Markham</a>	Aug 27, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-4281</a> Amending MZO filed as Ontario Regulation 599/21 <a href="#">ERO Posting 019-7994</a> and <a href="#">associated map</a> . On April 10, 2024, the Minister decided not to proceed with revoking Ontario Regulation 599/21.	<a href="#">Executive Committee Meeting: May 6, 2022</a>
<a href="#">Ontario Regulation 770/21</a>	<a href="#">11861 and 12045 McCowan Rd, Whitchurch-Stouffville</a>	Nov 15, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-4649</a> . Through <a href="#">ERO Posting 019-8020</a> the Ministry will closely monitor the progress of MZO 770/21 over the next 18 months and consider a potential revocation or amendment in the future if a lack of progress towards completion is not made.	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 39/22</a>	<a href="#">Vogell Rd (Southwest of Major Mackenzie Dr. E and Hwy 404), Richmond Hill</a>	Jan 28, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-4997</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 156/22</a>	<a href="#">11260 &amp; 11424 Jane St (near Kirby Rd &amp; Hwy 400), Vaughan</a>	Mar 4, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-5186</a>	<a href="#">Executive Committee Meeting: March 8, 2024, and March 11, 2024</a>
<a href="#">Ontario Regulation 345/22</a>	<a href="#">Yonge St. &amp; Langstaff Rd. E, Markham</a>	Apr 14, 2022	Provincially initiated MZO - <a href="#">Report on Bridge Station Transit Oriented Community (TOC) Program Agreement in Principle before Council (Apr 25, 2022)</a>	Yes	<a href="#">ERO Posting 019-5405</a>	<a href="#">Executive Committee Meeting: October 7, 2022</a>

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MZO O. Reg. #	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<a href="#">Ontario Regulation 482/22</a>	<a href="#">3565 19<sup>th</sup> Ave, Markham</a>	Sep 9, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-5802</a> <a href="#">ERO Posting 019-8001</a> . Amending MZO filed as Ontario Regulation 482/22 <a href="#">ERO Posting 019-7991</a> and <a href="#">associated map</a> . On April 10, 2024, a decision was made to revoke the MZO filed as Ontario Regulation 482/22 due to limited progress. The site in question is subject to the in effect applicable municipal zoning by-laws.	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 327/24</a>	<a href="#">8083 Jane Street</a> <a href="#">Part of Lot 8. Concession 4, Vaughan</a>	Aug 16, 2024	Endorsed	Yes	<a href="#">ERO Posting 019-8616</a> : On August 16, 2024, MMAH filed a Minister's Zoning Order, made pursuant to clause 47(1)(a) of the Planning Act. <a href="#">Committee of the Whole (2) Report</a> (CIHA.23.001). <a href="#">ERO Posting 019-8616</a> : The Ministry is in receipt of a request for a Minister's Zoning Order to facilitate a mixed-use community in the City of Vaughan. If made, the Minister's Zoning Order would apply to the lands located at 8083 Jane Street.	Permit application has not yet come forward to TRCA Board/Executive
<b>Regional Municipality of Durham</b>						
<a href="#">Ontario Regulation 607/20</a>	<a href="#">1802 Bayly St, 1902 Bayly St and 2028 Kellino St, Pickering ("Durham Live")</a>	Oct 30, 2020, Amended on Jul 2, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-2655</a> Amending MZO: <a href="#">Ontario Regulation 515/21</a> and <a href="#">ERO Posting 019-3960</a> <a href="#">ERO Posting 019-8001</a> . Amending MZO filed as Ontario Regulation 607/20. <a href="#">ERO Posting 019-7993</a> and associated <a href="#">Notice Map</a> . On April 10, 2024, a decision was posted that with the filing of O. Reg 164/24, O. Reg 607/20 has been amended and the portion of the site removed from O. Reg. 607/20 is now fully subject to the in effect applicable municipal zoning by-laws.	<a href="#">Executive Committee Meeting: February 5, 2021</a>
<a href="#">Ontario Regulation 773/21</a>	<a href="#">221 Church St S, Ajax</a>	Nov 15, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-4651</a>	<a href="#">Board of Directors Meeting: June 24, 2022</a>
<b>Regional Municipality of Peel</b>						
<a href="#">Ontario Regulation 171/20</a>	<a href="#">Northeast corner of Queen St and The Gore Rd, Brampton</a>	Apr 24, 2020	Endorsed	Yes	<a href="#">ERO Posting 019-1693</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 362/20</a>	<a href="#">Mayfield Rd &amp; McLaughlin Rd, Caledon</a>	Jul 10, 2020, Amended on Nov 4, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-2090</a>	<a href="#">Executive Committee Meeting: February 3, 2023</a> <a href="#">Executive Committee Meeting: June 9, 2023</a> <a href="#">Board of Directors Meeting: June 23, 2023</a>
<a href="#">Ontario Regulation 171/21</a>	<a href="#">Bolton GO Station Study Area (North of King St, east of Humber Station Rd) Caledon</a>	Mar 5, 2021	Endorsed	Yes	<a href="#">ERO Posting 019-3285</a>	Permit application has not yet come forward to TRCA Board/Executive

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MZO O. Reg. #	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<a href="#">Ontario Regulation 38/22</a>	<a href="#">5253 Countryside Dr / Coleraine Dr, Brampton</a>	Jan 28, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-4989</a> Amending MZO filed as Ontario Regulation 38/22 <a href="#">ERO Posting 019-7990</a> and <a href="#">associated map</a> . On April 10, 2024, a decision was made to revoke the MZO filed as Ontario Regulation 38/22 due to limited progress. The zoning orders that were identified for consultation were those where the proposed development had made limited progress on either advancing subsequent planning and development approvals or in addressing water and wastewater servicing on the lands subject to the zoning order in a reasonable timeframe to realize the project. The site in question is subject to the in effect applicable municipal zoning by-laws.	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 157/22</a>	<a href="#">12035 and 0 Dixie Rd, (Northeast corner of Dixie Rd and Mayfield Rd), Caledon</a>	Mar 4, 2022	Endorsed	Yes	<a href="#">ERO Posting 019-5173</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 483/22</a>	<a href="#">12245 Torbram Rd, Caledon (RICE)</a>	Sep 9, 2022	<a href="#">MZO request before Council referred back to staff with direction to engage TRCA and Peel Region (Jan 17, 2022)</a> . MZO was not endorsed by Council.	Yes	<a href="#">ERO Posting 019-5999</a>	<a href="#">Board of Directors Meeting: June 23, 2023</a> <a href="#">Executive Committee Meeting: May 10, 2024</a>
<b>City of Toronto</b>						
<a href="#">Ontario Regulation 450/20</a>	<a href="#">51 Panorama Court, Toronto</a>	Aug 12, 2020	MZO issued w/o Council endorsement.	Yes	<a href="#">ERO Posting 019-2278</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 170/20</a>	2075 Bayview Ave, Toronto	Apr 24, 2020, Amended on Jan 20, 2023	MZO issued at City's request, but w/o Council discussion.	Yes	<a href="#">ERO Posting 019-1700</a> Amending MZO: <a href="#">Ontario Regulation 6/23</a> and <a href="#">ERO Posting 019-6529</a>	Permit application has not yet come forward to TRCA Board/Executive
<a href="#">Ontario Regulation 329/22</a>	<a href="#">21 Don Roadway, 30 Booth Ave, 375 &amp; 385 Eastern Ave, Toronto (East Harbour TOC)</a>	Apr 8, 2022	Draft Plan of Subdivision Application) and Zoning proposal submitted to City; MZO not formally requested through Council.	Yes	<a href="#">ERO Posting 019-5395</a>	<a href="#">Board of Directors Meeting: June 21, 2024</a>
<a href="#">Ontario Regulation 194/24</a>	<a href="#">955 Lake Shore Blvd W, Toronto</a>	May 17, 2024	Provincially (IO) initiated eMZO	Yes	<a href="#">ERO Posting: 019-8704</a>	Permit application has not yet come forward to TRCA Board/Executive

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**Attachment 2: Issued Minister’s Zoning Orders (MZOs) in TRCA Jurisdiction (Outside Regulated Area) Since 2020**  
**(As of August 30, 2024)**

**\*Total # of MZOs issued outside TRCA Regulated Area – 32**

MZO (O. Reg. #)	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<b>Regional Municipality of York</b>						
<a href="#">Ontario Regulation 449/20</a>	<a href="#">50 Bloomington Rd, Aurora</a>	Aug 12, 2020	<a href="#">Council requested MZO be revoked</a> on Mar 30, 2021, but MZO remains in effect.	No	<a href="#">ERO Posting 019-2286</a>	N/A
<a href="#">Ontario Regulation 344/22</a>	Yonge St. and High Tech Rd. ( <a href="#">Richmond Hill Centre</a> ), <a href="#">Richmond Hill</a>	Apr 14, 2022	<a href="#">Council received staff report and designated staff to finalize IAP with Province (April 20, 2022)</a>	No	<a href="#">ERO Posting 019-5404</a>	N/A
<a href="#">Ontario Regulation 326/24</a>	<a href="#">661 and 681 Chrislea Road</a> <a href="#">Lots 33 and 34 Plan 65M-2588</a> <a href="#">Part of Lot 10, Concession 5, Vaughan</a>	Aug 16, 2024	Endorsed	No	<a href="#">ERO Posting 019-8617</a> : On August 16, 2024, MMAH filed a Minister's Zoning Order, made pursuant to clause 47(1)(a) of the Planning Act. <a href="#">Committee of the Whole (2) Report (CIHA.23.002)</a> <a href="#">ERO Posting 019-8617</a> : The Ministry is in receipt of a request for a Minister’s Zoning Order to facilitate a mixed-use community in the City of Vaughan. If made, the Minister’s Zoning Order would apply to the lands located at 661 and 681 Chrislea Road in the City of Vaughan.	N/A
<b>Region of Durham</b>						
<a href="#">Ontario Regulation 475/20</a>	<a href="#">580 Harwood Ave S, Ajax</a>	Aug 28, 2020	Endorsed	No	<a href="#">ERO Posting 019-2338</a>	N/A
<a href="#">Ontario Regulation 438/20</a>	<a href="#">1401 Harwood Ave N, Ajax</a>	Jul 31, 2020, Amended on Apr 29, 2022	Endorsed	No	<a href="#">ERO Posting 019-2033</a> Amending MZO filed as <a href="#">Ontario Regulation 455/22</a> <a href="#">ERO 019-5422</a> and <a href="#">associated map</a> . <a href="#">ERO Posting 019-8511</a> : The Ministry is in receipt of a request for a Minister’s Zoning Order to facilitate a residential community in Town of Ajax. If made, the Minister’s Zoning Order would apply to 3 hectares at 1401 Harwood Ave North in the Town of Ajax. A decision was posted on August 30, 2024, noting that the MZO request has been formally withdrawn.	N/A
<a href="#">Ontario Regulation 125/23</a>	<a href="#">1955 Valley Farm Road, Pickering</a>	June 9, 2023	N/A - The Minister of Long-Term Care requested that the	No	<a href="#">ERO Posting 019-7206</a>	N/A

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MZO (O. Reg. #)	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
			Minister consider making the Zoning Order			
<b>Regional Municipality of Peel</b>						
<a href="#">Ontario Regulation 448/20</a>	<a href="#">Eglinton Ave E and Hwy 403 Interchange, Mississauga</a>	Aug 12, 2020	Endorsed	No	<a href="#">ERO Posting 019-2280</a>	N/A
<a href="#">Ontario Regulation 248/22</a>	<a href="#">380 Fernforest Dr, Brampton</a>	Apr 1, 2022	Endorsed	No	<a href="#">ERO Posting 019-5322</a> . Through <a href="#">ERO Posting 019-8020</a> the Ministry will closely monitor the progress of <b>MZO 248/22</b> over the next 18 months and consider a potential revocation or amendment in the future if a lack of progress towards completion is not made.	N/A
<b>City of Toronto</b>						
<a href="#">Ontario Regulation 474/20</a>	<a href="#">2111 Finch Ave W, Toronto</a>	Aug 28, 2020, Amended on Apr 6, 2021	Endorsed	No	<a href="#">ERO Posting 019-2341</a>	N/A
<a href="#">Ontario Regulation 343/20</a>	<a href="#">11 Macey Ave, Toronto</a>	Jul 2, 2020	Endorsed	No	<a href="#">ERO Posting 019-2073</a>	N/A
<a href="#">Ontario Regulation 354/20</a>	<a href="#">150 Harrison St, Toronto</a>	Jul 8, 2020	Endorsed	No	<a href="#">ERO Posting 019-2077</a>	N/A
<a href="#">Ontario Regulation 358/20</a>	Applies to <u>all lands</u> in <b>Toronto</b> (CafeTO)	Jul 8, 2020	Endorsed	N/A	<a href="#">ERO Posting 019-2108</a> . Note: This Regulation was revoked on November 16, 2020. (See: O. Reg. 358/20, s. 7).	N/A
<a href="#">Ontario Regulation 596/20</a>	<a href="#">Vicinity of Front St &amp; Cherry St, Toronto</a>	Oct 22, 2020	MZO issued without Council endorsement.	No	<a href="#">ERO Posting 019-2626</a>	N/A
<a href="#">Ontario Regulation 594/20</a>	<a href="#">Vicinity of Mill St &amp; Cherry St, Toronto (125R Mill St West Don Lands, Block 20)</a>	Oct 22, 2020	MZO issued without Council endorsement.	No	<a href="#">ERO Posting 019-2629</a>	N/A
<a href="#">Ontario Regulation 595/20</a>	<a href="#">Vicinity of Eastern Ave &amp; Rolling Mills Rd, Toronto</a>	Oct 22, 2020	MZO issued without Council endorsement.	No	<a href="#">ERO Posting 019-2625</a>	N/A
<a href="#">Ontario Regulation 547/21</a>	<a href="#">20 Bracebridge Ave, Toronto</a>	Jul 30, 2021	Endorsed	No	<a href="#">ERO Posting 019-4160</a>	N/A
<a href="#">Ontario Regulation 546/21</a>	<a href="#">877 Yonge St, Toronto</a>	Jul 30, 2021	Endorsed	No	<a href="#">ERO Posting 019-4143</a>	N/A
<a href="#">Ontario Regulation 545/21</a>	<a href="#">222 Spadina Ave, Toronto</a>	Jul 30, 2021	Endorsed	No	<a href="#">ERO Posting 019-4142</a>	N/A

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MZO (O. Reg. #)	Location / MZO Map Schedule	e-Laws Date Filed/Amended	Municipal Status	Regulated by TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<a href="#">Ontario Regulation 42/22</a>	<a href="#">55 Eastern Ave, Toronto</a>	Jan 28, 2022	Endorsed	No	<a href="#">ERO Posting 019-4981</a>	N/A
<a href="#">Ontario Regulation 339/22</a>	<a href="#">1 Jefferson Ave &amp; 2-20 Atlantic Ave, Toronto</a>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5387</a>	N/A
<a href="#">Ontario Regulation 338/22</a>	<a href="#">1 Atlantic Ave, Toronto</a>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5387</a>	N/A
<a href="#">Ontario Regulation 337/22</a>	315/327 Royal York Rd. & 27-39 Newcastle St., <b>Toronto</b>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5400</a>	N/A
<a href="#">Ontario Regulation 336/22</a>	265-271 Front St. E, <b>Toronto</b>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5389</a>	N/A
<a href="#">Ontario Regulation 335/22</a>	250-260 Front St. E, <b>Toronto</b>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5389</a>	N/A
<a href="#">Ontario Regulation 334/22</a>	<a href="#">443-455 Queen St. W, Toronto</a>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5397</a>	N/A
<a href="#">Ontario Regulation 333/22</a>	165 Spadina Ave, <b>Toronto</b>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5397</a>	N/A
<a href="#">Ontario Regulation 332/22</a>	<a href="#">King St. W and Bathurst St. (SE corner) Toronto</a>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5406</a>	N/A
<a href="#">Ontario Regulation 331/22</a>	<a href="#">King St. W and Bathurst St. (NE corner) Toronto</a>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5406</a>	N/A
<a href="#">Ontario Regulation 330/22</a>	20 Overlea Blvd., <b>Toronto</b>	Apr 8, 2022	Provincially initiated MZO	No	<a href="#">ERO Posting 019-5396</a>	N/A
<a href="#">Ontario Regulation 10/24</a>	170 Elizabeth Street and 36 Queen Street East (Sick Kids Hospital and St. Michael's Hospital), <b>Toronto</b>	Jan 26, 2024	Provincially and municipally initiated MZO	No	<a href="#">ERO Posting 019-8199</a>	N/A
<a href="#">Ontario Regulation 9/24</a>	<a href="#">100 Thorncliffe Park Drive, Toronto</a>	Jan 26, 2024	Provincially and municipally initiated MZO	No	<a href="#">ERO Posting 019-7466</a>	N/A
<a href="#">Ontario Regulation 8/24</a>	<a href="#">399 and 347 Bathurst Street (Toronto Western Hospital), Toronto</a>	Jan 26, 2024	Provincially and municipally initiated MZO	No	<a href="#">ERO Posting 019-8136</a>	N/A

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### Attachment 3: Requested Minister’s Zoning Orders (MZOs) in TRCA Jurisdiction Since 2020

(As of August 30, 2024)

\*Total # of MZOs Requested in TRCA jurisdiction – 14

\*Total # of CIHAs Requested in TRCA Jurisdiction – 4

MZO Requestor	Location/ MZO Schedule	e-Laws Date Filed/Amended	Status	Regulated By TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
<b>Regional Municipality of York</b>						
Privately initiated - <b>Denied</b>	Between Hwy 404 & Leslie St, North of Stouffville Rd, <b>Richmond Hill</b> (Gormley)	N/A	<a href="#">MZO request endorsed by Council (May 13, 2020)</a> , denied by Province (Jan 27, 2021).	Yes	N/A	N/A
Privately initiated	<a href="#">465 Rupert Ave, Whitchurch-Stouffville</a>	N/A	<a href="#">MZO request endorsed by Council (Jul 20, 2021)</a> .	No	N/A	N/A
Privately initiated	<a href="#">2005 Bethesda Rd, Whitchurch-Stouffville</a>	N/A	<a href="#">MZO request endorsed by Council (Jun 16, 2020)</a> .	No	N/A	N/A
Municipally initiated	<a href="#">Southwest of Highway 407, north of holy Cross Catholic Cemetery, and east of Cedar Avenue, Markham</a>  Langstaff Gateway East Area (Ward 1)	N/A	<a href="#">City requested MZO on June 25, 2024</a> .	No	N/A	N/A
Privately initiated - <b>Deferred</b>	15th Sideroad & Keele St, <b>King</b> (King City)	N/A	<a href="#">Deferred by Council (Dec 14, 2020)</a> .	Yes	N/A	N/A
Privately initiated - <b>Deferred</b>	12650 Hwy 27, <b>King</b> (Nobleton)	N/A	<a href="#">Deferred by Council (Dec 14, 2020)</a> .	Yes	N/A	N/A
<b>Region of Durham</b>						
CIHA requested by the Town of Ajax	Southeast corner of Salem Rd. N and Kerrison Dr. E, <b>Ajax</b>	N/A	<a href="#">Council motions to request MZOs passed by Ajax (Jan 23, 2023) and report carried by Durham (Mar 1, 2023)</a>	No	<a href="#">ERO Posting 019-8519</a> : While no CIHA orders will be made going forward, the Minister may consider making an MZO in response to this request.	N/A
CIHA requested by the Town of Ajax	250 Rossland Rd. E, <b>Ajax</b>	N/A	<a href="#">Council motions to request MZOs passed by Ajax (Jan 23, 2023) and</a>	Yes	<a href="#">ERO Posting 019-8516</a> : While no CIHA orders will be made going forward, the Minister may consider making an MZO in response to this request.	N/A

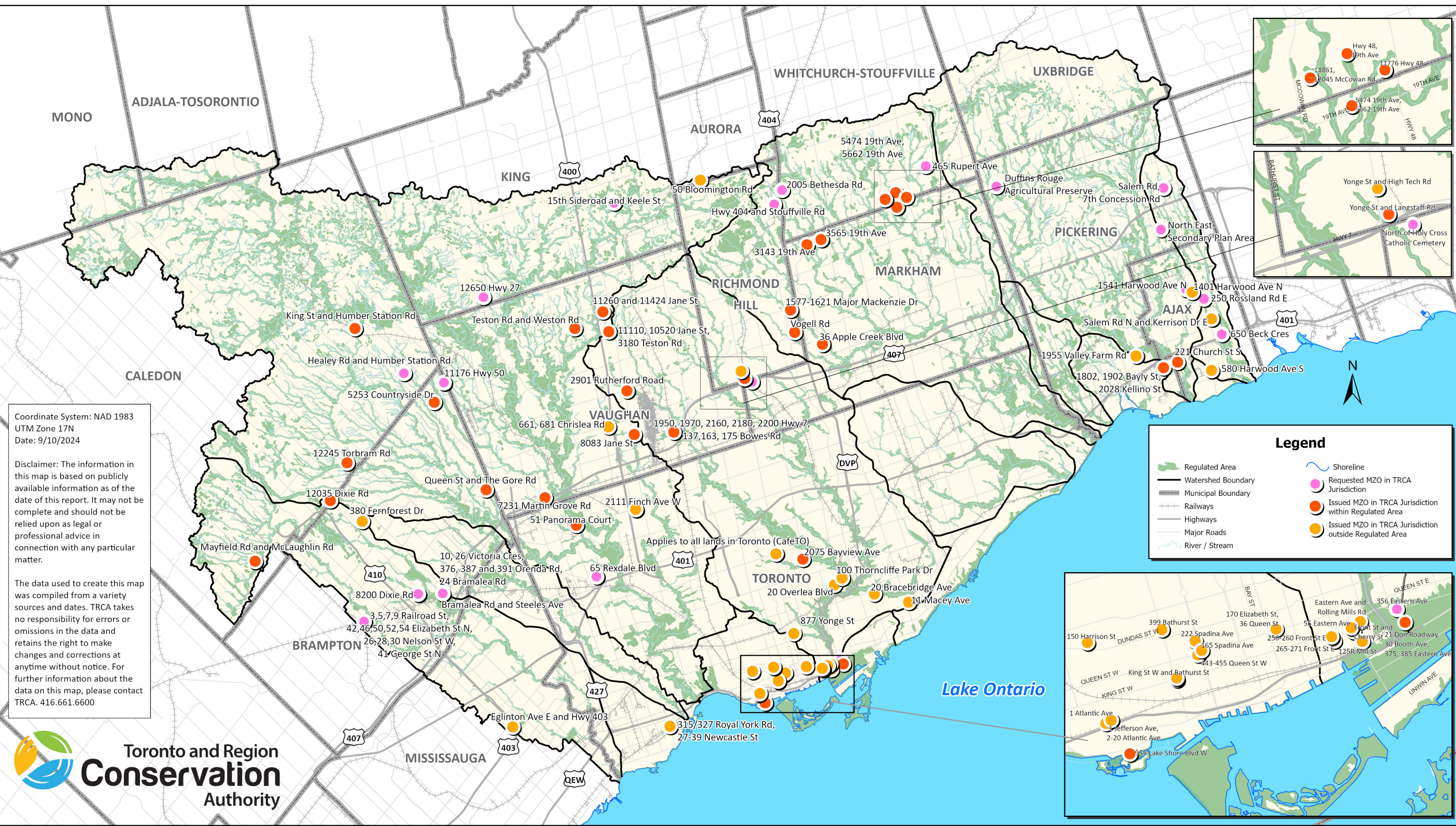
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MZO Requestor	Location/ MZO Schedule	e-Laws Date Filed/Amended	Status	Regulated By TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
			<a href="#">report carried by Durham (Mar 1, 2023)</a>			
CIHA requested by the Town of Ajax	650 Beck Cres., <b>Ajax</b>	N/A	<a href="#">Council motions to request MZOs passed by Ajax (Jan 23, 2023) and report carried by Durham (Mar 1, 2023)</a>	No	<a href="#">ERO Posting 019-8517</a> : While no CIHA orders will be made going forward, the Minister may consider making an MZO in response to this request.	N/A
CIHA requested by the Town of Ajax	1541 Harwood Ave. N, <b>Ajax</b>	N/A	<a href="#">Council motions to request MZOs passed by Ajax (Jan 23, 2023) and report carried by Durham (Mar 1, 2023)</a>	No	<a href="#">ERO Posting 019-8514</a> : While no CIHA orders will be made going forward, the Minister may consider making an MZO in response to this request.	N/A
Privately initiated - <b>Denied</b>	Salem Rd & 7 <sup>th</sup> Concession Rd, ("Veraine/ Dorsay"), <b>Pickering</b>	N/A	MZO requested by City at proponent's request. Durham Region objected. Adjacent landowners objected. Minister denied MZO request.	Yes	N/A	N/A
<a href="#">Ontario Regulation 102/72</a>	<a href="#">North-East Pickering</a>	1972, Amended on Jul 2, 2021	Endorsed	Yes (partially)	<a href="#">ERO Posting 019-8707</a> : On May 22, 2024 - Following the receipt of a request from the City of Pickering, the Minister of Municipal Affairs and Housing is consulting on a proposal to amend a Minister's Zoning Order in the City of Pickering, Region of Durham, filed as Ontario Regulation 102/72. The City of Pickering requested that the Minister consider revoking the Zoning Order.	N/A
<b>Regional Municipality of Peel</b>						
Privately initiated	Bramalea Rd and Steeles Ave, (GO Station) <b>Brampton</b>	N/A	<a href="#">MZO request endorsed by Council (Oct 22, 2021)</a> . Council endorsed a <a href="#">revised resolution (#C411-2021) to extend MZO boundary</a> . MZO proposal modified (Jan 19, 2022) to reduce the quantity of parcels from 43 to 12.	Yes	N/A	N/A

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MZO Requestor	Location/ MZO Schedule	e-Laws Date Filed/Amended	Status	Regulated By TRCA?	Refer to ERO Posting for Development Proposal (ERO Postings & Amendments)	TRCA Board of Directors/ Executive Committee Permit Approval
Privately initiated	11176 Hwy 50, <b>Brampton</b>	N/A	<a href="#">MZO request endorsed by Council (Oct 20, 2021). Proponent is making another MZO request before Council (Apr 19, 2023)</a>	Yes	N/A	N/A
Privately initiated	3,5,7,9 Railroad St, 42,46,50,52,54 Elizabeth St N, 26,28,30 Nelson St W and 41 George St N, <b>Brampton</b>	N/A	<a href="#">MZO request endorsed by Council (Jan 26, 2022).</a>	Yes	N/A	N/A
Privately initiated	8200 Dixie Rd, <b>Brampton</b>	N/A	<a href="#">MZO request endorsed by Council (Jan 26, 2022).</a>	Yes	N/A	N/A
Privately initiated	South of Healey Rd., east of Humber Station Rd., north of Mayfield Rd., ("Option 6 Lands"), <b>Caledon</b>	N/A	MZO request referred to Town staff for further review. Town staff and TRCA staff were directed to provide accompanying reports when <a href="#">this request goes back to Council.</a>	Yes	N/A	N/A
<b>City of Toronto</b>						
Municipally initiated	<a href="#">65 Rexdale Boulevard, Toronto</a>	N/A	Municipally endorsed	No	<a href="#">ERO Posting 019-9080</a> : The Ministry is in receipt of a request for an MZO to facilitate the conversion of an area of employment to a mixed-use residential development.	N/A

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Coordinate System: NAD 1983  
 UTM Zone 17N  
 Date: 9/10/2024

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The data used to create this map was compiled from a variety of sources and dates. TRCA takes no responsibility for errors or omissions in the data and retains the right to make changes and corrections at anytime without notice. For further information about the data on this map, please contact TRCA. 416.661.6600

### Legend

- Regulated Area
- Watershed Boundary
- Municipal Boundary
- Railways
- Highways
- Major Roads
- River / Stream
- ~ Shoreline
- Requested MZO in TRCA Jurisdiction
- Issued MZO in TRCA Jurisdiction within Regulated Area
- Issued MZO in TRCA Jurisdiction outside Regulated Area



## Issued and Requested Minister's Zoning Orders (MZO) in TRCA Jurisdiction (since 2020)

