

July & August 2024 Storm Events

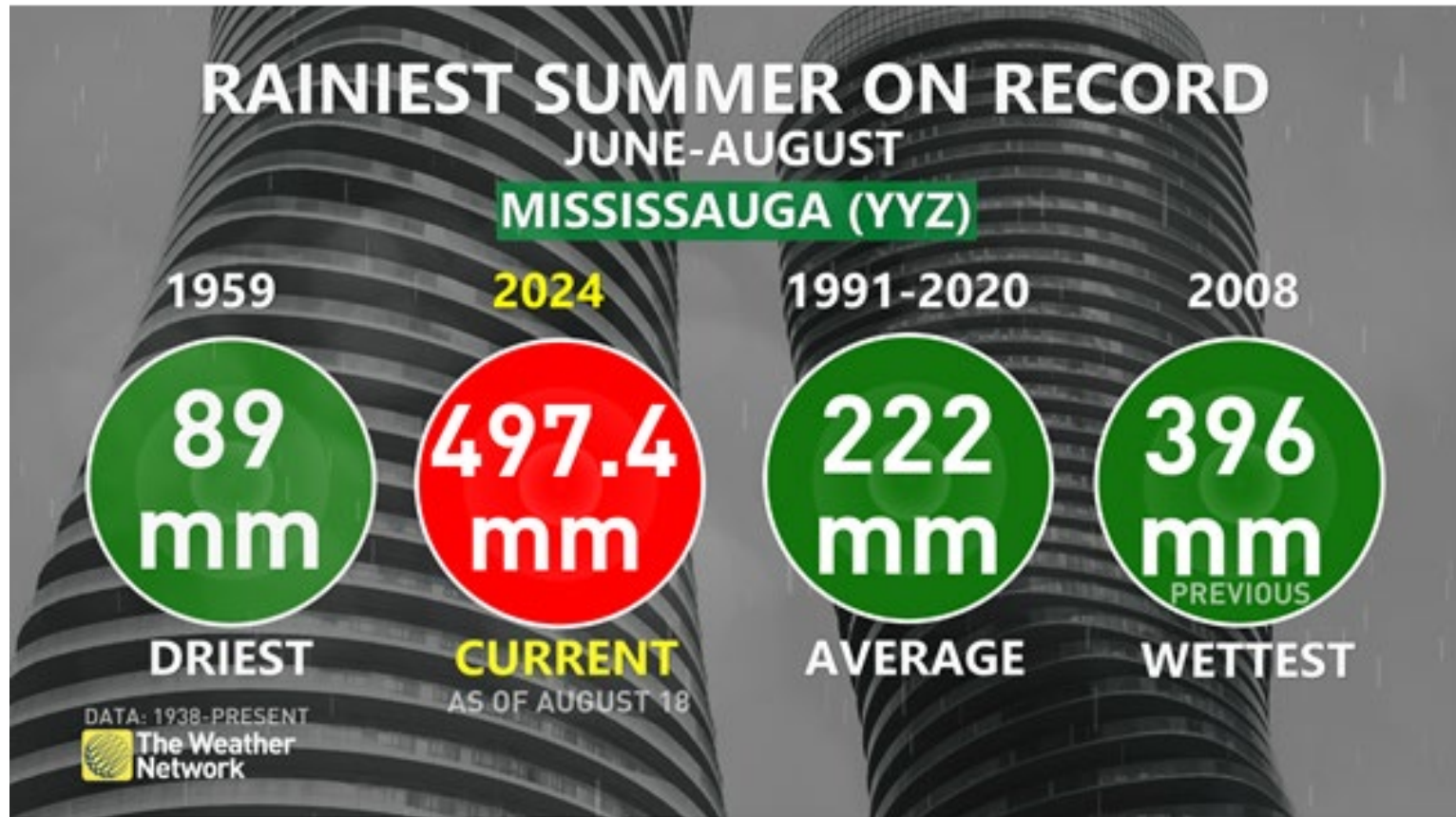
September 18, 2024

Emma Calvert

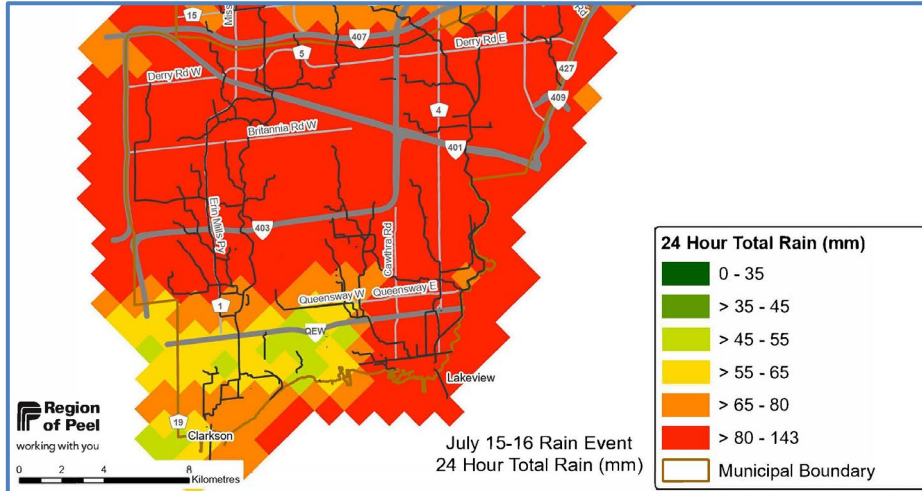
Acting Director, Infrastructure Planning & Engineering Services



Mississauga Summer Rainfall

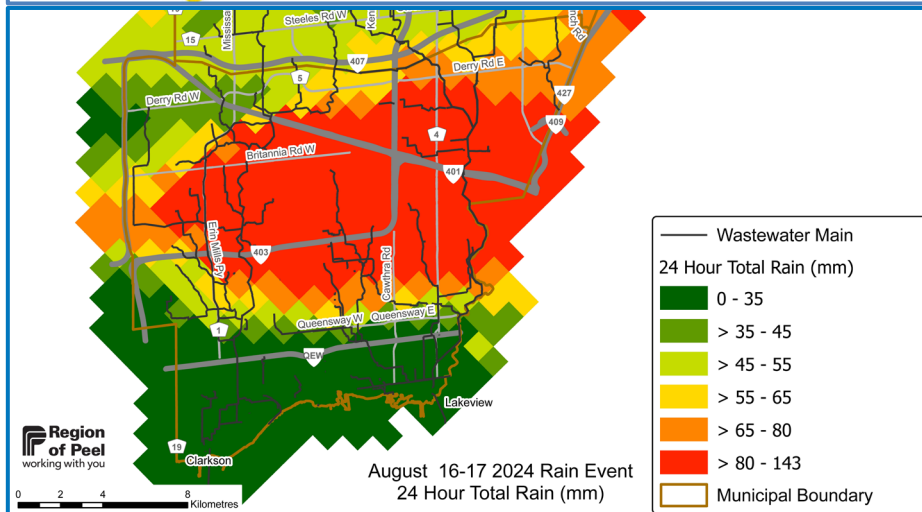


Rain Events (July & August)



July 16, 2024

Max amount: 106 mm
Min amount: 7.6 mm



August 17, 2024

Max amount: 172 mm
Min amount: 6.2 mm

Incident Response



Lake Saigon
Functioning at Full Capacity



Road Closure
King St. E at Cooksville Creek



Rescue
Queen Frederica Dr. and Dundas St. E.

Stormwater Infrastructure Investment

- Since 2016, the City has invested \$231 million in stormwater infrastructure
- Current 10-year capital plan includes an additional \$308 million



Lake Saigon



Cooksville Creek



Cactus Gate Pumping Station

Action Plan - Immediate



Inlet North of The Queensway

- Repair damaged stormwater infrastructure and remove debris
- Accelerate the design and construction of the Dixie-Dundas Flood Mitigation Project
- Coordinate with TRCA to expand the Emergency Management Plan to more areas impacted by the Little Etobicoke Creek spill
- Hold a City-wide public information session in October 2024

Action Plan – Short Term (1 - 3 years)

- Continue with capital projects to support flood relief (Dixie-Dundas, Malton, Lisgar, Cooksville, Streetsville, City Centre, etc.)
- Report back to Council with details and recommendations on a basement flooding subsidy program and a financial assistance program
- Improve the weather alert system where warnings can reach a wider audience, and enhance weather forecasting, flood detection and flood response
- Enhance the information collection process for flood events to assist with post-storm analysis
- Re-assess the condition of storm sewers for rehabilitation and review frequency of infrastructure inspections



Malton Drainage Improvements

Action Plan – Medium (3 – 5 years) & Long Term (5+ years)

- Continuation of the Dixie-Dundas Flood Mitigation Project
- Storm Sewer Improvements – Applewood Watershed
- Undertake a detailed assessment of overland flow routes
- Review storm drainage development standards



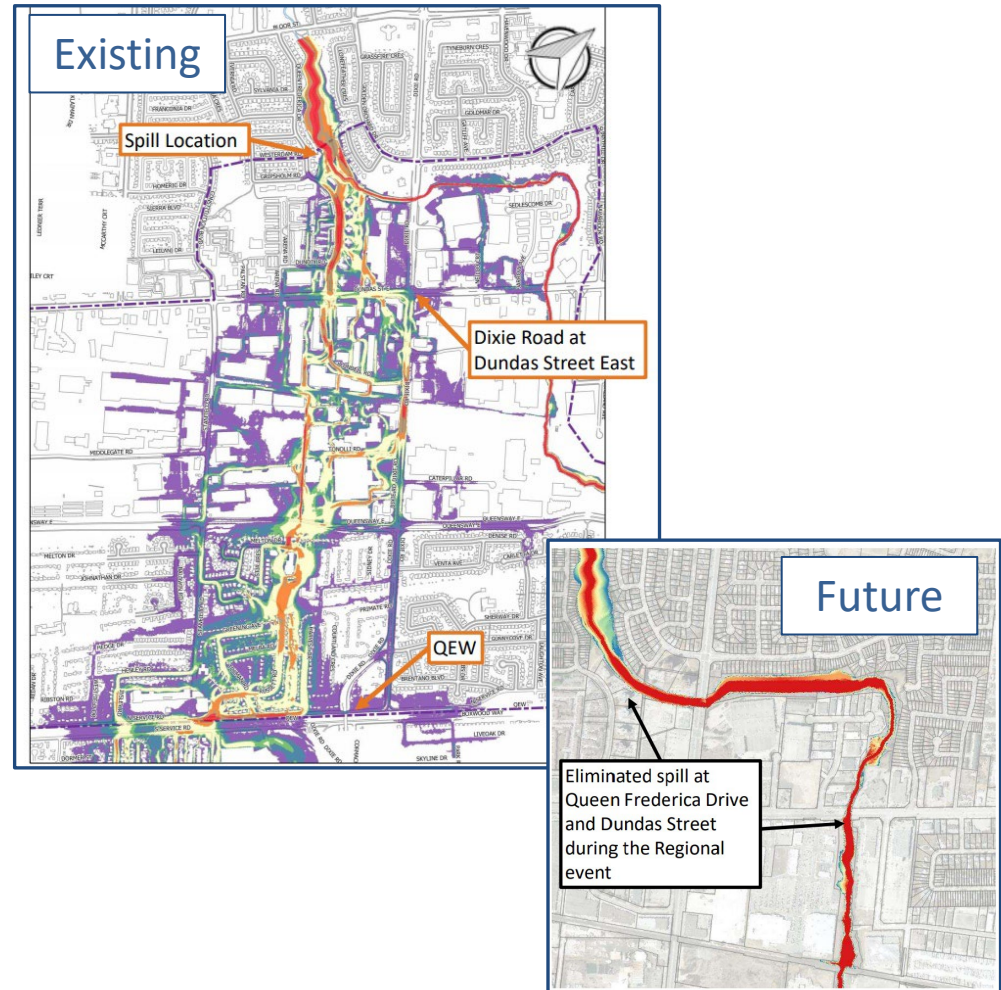
Underground Storage Facility



Storm sewer Improvements

Dixie-Dundas Flood Mitigation Project

- Little Etobicoke Creek spills upstream of Dixie Road near Queen Frederica Drive, where flood water causes flooding in the Dixie-Dundas and Applewood neighborhoods
- The EA is complete and the City is undertaking preliminary design of the comprehensive flood mitigation solution to contain the spill and reduce or eliminate flooding for over 1,000 properties
- The City is accelerating the design and construction of this project at a cost of between \$70 million and \$80 million



Financial Relief Programs

- Staff conducted a preliminary benchmarking of municipalities offering compassionate financial assistance and subsidies related to flooding
- There is no standard financial assistance or subsidy program and eligibility criteria vary among municipalities
- Staff will report back to Council with details and recommendations on a financial relief program and/or basement flooding subsidy program

Government Support

- The City has been engaged with the Ministry of Municipal Affairs and Housing (MMAH), who is responsible for the Disaster Recovery Assistance for Ontarians (DRAO) program
- Conduct assessments in the 16 Mile Creek (Lisgar, Churchill Meadows), Mimico Creek (Malton), and Mullet Creek (Central Erin Mills) areas
- A Provincial Disaster Assessment Team (PDAT) was deployed in Mississauga and conducted interviews with a sample of residents who were impacted by the July 16, 2024 event
- No decision has been made as to whether MMAH intends to activate the DRAO program in Mississauga

Government Support

- The City will be making a submission on the second intake of the Provincial Housing-Enabling Water Systems Fund by the November 1, 2024 deadline and Housing-Enabling Municipal Roads and Bridges by the October 18, 2024 deadline
 - Staff will update Council once the submission has been developed
- The City was unsuccessful in past applications to the Federal Disaster Mitigation and Adaptation Fund (DMAF)
 - Program is now closed

Conclusion

- Continuing to invest in stormwater infrastructure is vital to the safety of our communities
- The recommended action plan outlined in the report highlights the City's continued efforts and commitment to help mitigate the impacts of extreme weather events



Thank You