

Delivering Benefits: City's Partnership with University of Toronto and Sheridan College

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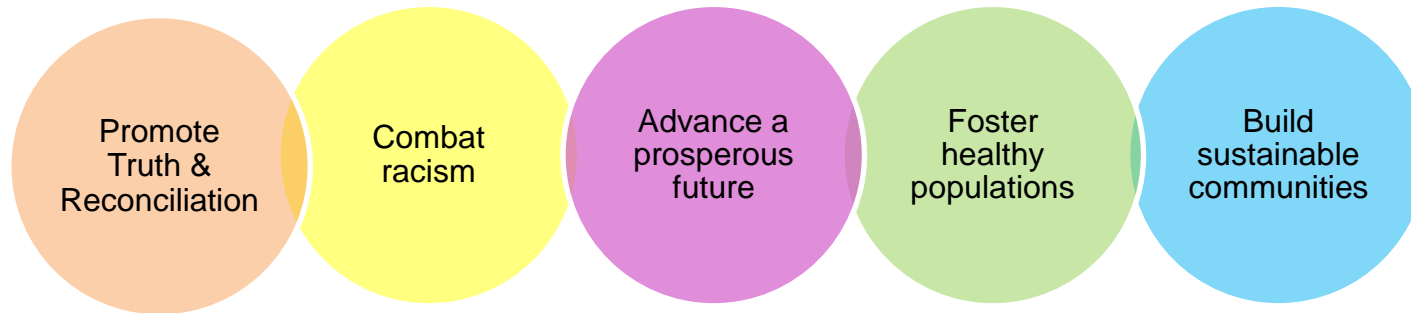


UNIVERSITY OF TORONTO

The City signed a memorandum of understanding with the University of Toronto effective June 1, 2023 till 2028.

It means that both parties are combining efforts to tackle shared challenges, achieve mutual goals, and ultimately put Mississauga on the map as a primary destination for research, business and innovation.

UofT - MOU Shared Goals



- Promote truth and reconciliation in a city with, and in support of Indigenous peoples
- Combat racism, and in particular anti-Black racism to address broad inequities and systemic racism and discrimination
- Advance a prosperous future through talent to support a creative, innovation-based and globally connected economy
- Build sustainable communities connected through social mobility, and a culture of diversity, learning and arts
- Foster healthy populations for all people in Mississauga

Sheridan

The City signed a memorandum of understanding with Sheridan College effective June 1, 2023 till 2028.

It will enable both organizations to leverage current successes and look at future possibilities for collaboration with the shared goal to strengthen Mississauga's position as a place to live, learn and prosper.

Sheridan - MOU Shared Goals & Collaborative Areas of Focus



- Continue to work towards reconciliation and strengthening the relationship with Indigenous peoples
- Address systemic racism and discrimination towards Black and other racialized communities
- Ensure students living in the city are "good neighbours" and feel a sense of belonging/are embraced.
- Enable safe, connected, engaged and inclusive communities where people thrive
- Empower communities to mobilize for innovation, change and future leadership
- Establish Mississauga as a centre for highly skilled, resourceful and creative people, business and communities
- Catalyze a workforce, industry, and businesses to drive the City's economy

Partnership Structure and Outcomes

Staff Liaisons:

- City Director of Strategic Communications & Initiatives
- City Director of Economic Development
- UTM Director of Executive Director, Public Affairs (Interim)/Sheridan Director of Government and Community Relations

Partnership Tables:

- Strategic Collaborations – address Strategic Collaborative Activities; membership as needed
- Operational Collaborations – address housing, traffic, transit, fire, enforcement etc.; membership as needed

Accountability:

- Regularly scheduled meetings
- One progress report, minimum, within 5 year renewable term
- This work is meant to amplify, celebrate, and grow collaboration – not to stop it or be a barrier to it.

Case Studies

Case Study #1: Summer Research Awards

- 5 students to research city challenges
- Representation from stormwater, recreation, and environment, and emergency management
- Students would be matched with a faculty advisor that had relevant expertise to supervise their research

Cost to the University: \$50,000, and faculty supervision.*

Cost to the City: \$0, outside of scoping projects, 10 hours of staff time and light project coordination.

*it is expected the City would split costs for sustainability in the future.

Case Study #1: Summer Research Awards Program – Groundwater

“How might the City best determine groundwater levels across Mississauga and identify higher groundwater levels locally or by neighbourhood, that may pose risks to development and/or implementing and managing stormwater infrastructure?”

Groundwater is the water found underground in the cracks and spaces in soil, sand and rock. It is stored in and moves slowly through geologic formations of soil, sand and rocks called aquifers.

- This was a commitment in the Stormwater Master Plan
- No resources had been allocated or planned for this commitment
- There was a lot of open data sources that could support their work and provided additional avenues to explore

1st month

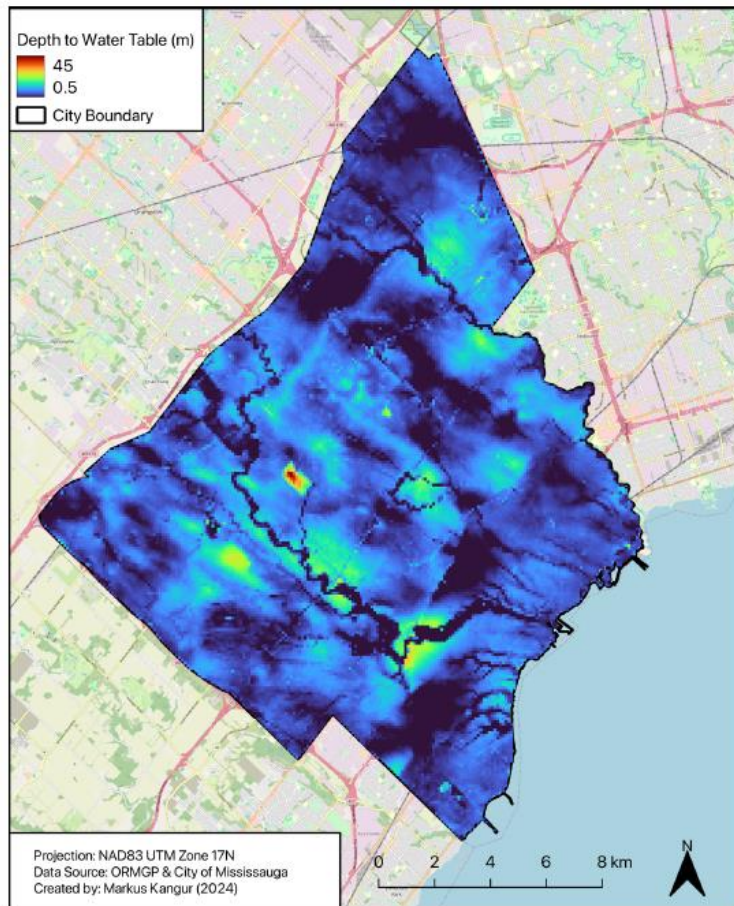


Figure 1: Modelled depth to water table surface for the City of Mississauga.

- Thorough Literature Review
- Evaluated open data sources and developed a draft map.
- Identified regional access to valuable data source, City was able to gain direct access to accelerate work, and data source may support work across different teams.

2nd & 3rd month

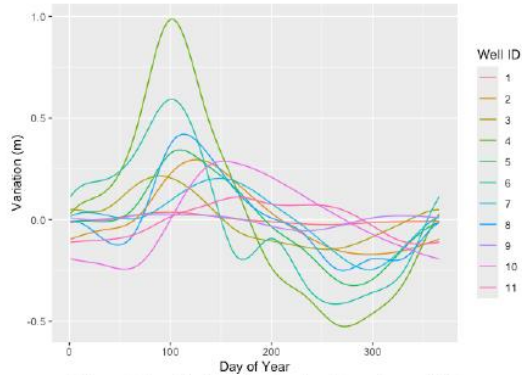


Figure 5: Partial effect plots for day of year (seasonality).

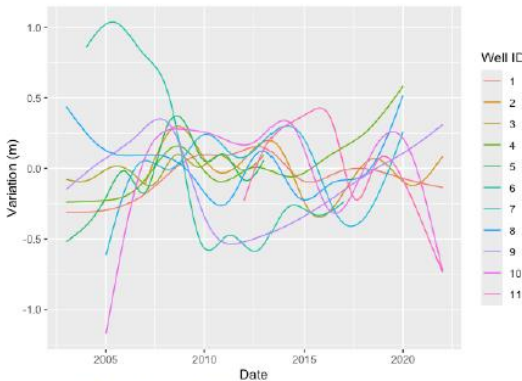


Figure 6: Partial effect plots for year (long-term trend).

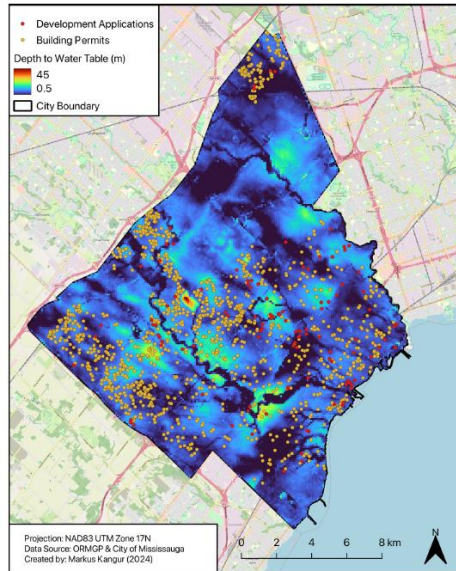


Figure 10: Residential building permits from 2022-2023 and active residential development applications along with modelled depth to water table.

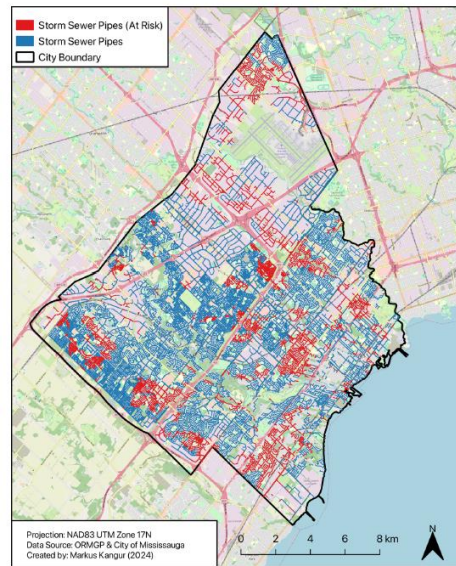


Figure 8: Storm sewers at risk of groundwater infiltration.

- Refined map with better data
- Removed outliers in data
- Statistical analysis to identify trends and potential correlations with variables like seasonality
- Layered in:
 - Stormwater infrastructure
 - Building Permits
 - Building Applications
- Identified areas for future exploration
- Identified that patterns don't change substantially and could be a resource for 3-5 years.
- Identified next steps for the City to have a better understanding of groundwater.

4th month?

Finished the research and left on an early approved leave to Estonia



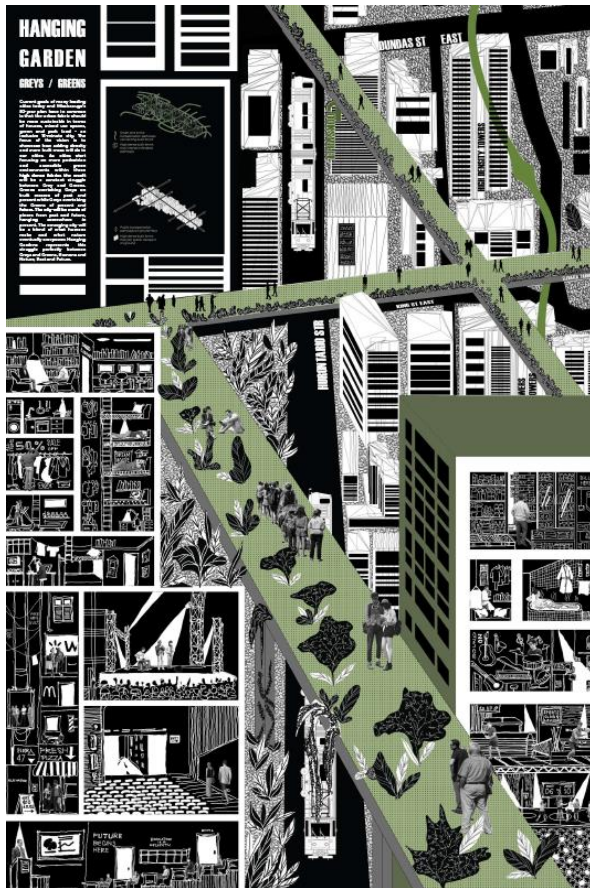
Benefits - Summer Research Awards Program

- If the City had allocated \$10,000 it would not achieve these results at this speed or in this scope. It might not have even gone out to market if it was an RFP.
- Had access and support to do deep literature reviews
- City did not have to allocate administrative or management resources to oversee work
- Researcher had access to expertise they could turn to verify their work
- A Master Plan commitment has been completed
- City gained access and training to a regional source of data
- Groundwater data does not shift significantly each year, so this work can be used over a number of years.

Case Study #2: FutureSauga (Sheridan College)



250+ visualizations and students engaged over 1 year



CELEBRATE

PRESENTING **Future of Wellness: Spaces, Community, and Mental Health**

Discover how housing, community dynamics, emotions and mental health intersect through the urban fabric in our upcoming lecture. Learn about novel housing solutions, creating supportive work environments, and building inclusive communities. Don't miss this opportunity to explore some creative ways to make our cities healthier and more welcoming for everyone.

Panel Speakers:

- Sara Cumming, PhD
Professor of Sociology at Sheridan College and Executive Director of Home Suite Hope
- Colin Ellard, PhD
Professor at University of Waterloo and Director of Urban Realities Lab
- Veroy Clarke
Community Development Coordinator for HMCL at the Open Windows Hub

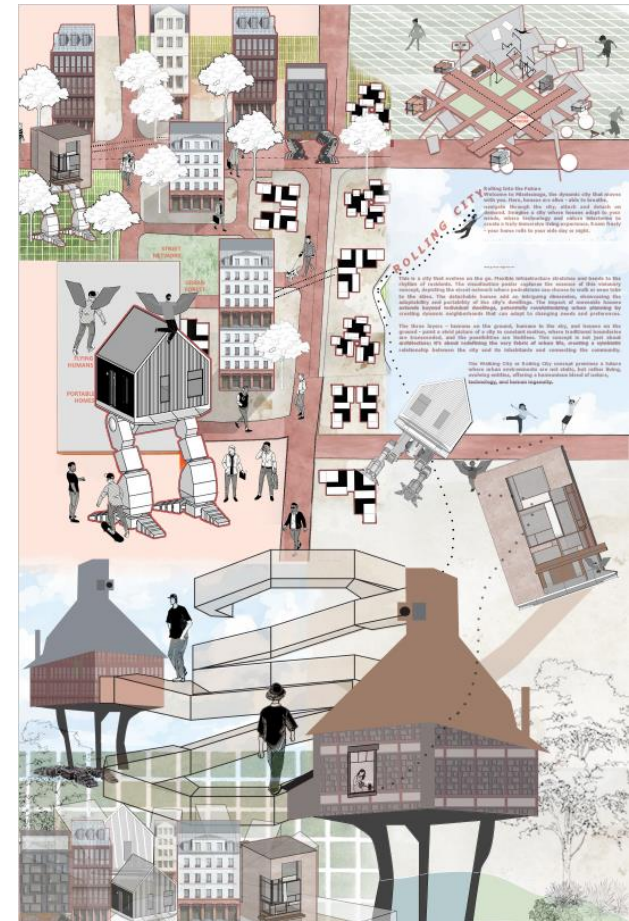
Hosted By: Stewart MacDonald, Architectural Technology Student at Sheridan College

Open to the public, no registrations required!

INTRODUCING **NEW PRESENTERS EVERY MONTH**

Date: Friday, April 05, 2024
Time: 12PM-1PM
Location: Basement of Hazel McCallion Central Library
302 Burnhamthorpe Rd W, Mississauga, ON L5B 3Y3

MISSISSAUGA
Sheridan



Case Study #3: MUI Capstone Projects (UTM)

2024:

- Vision Zero: building and inclusive education campaign
- Heritage: reimagining heritage

2023:

- Active Transportation: Enhancing Active Transportation in Mississauga
- Strategic Initiatives: Marketing and Promotion Plan for the Mississauga Waterfront

2022:

- EDI: Building an Equity, Diversity and Inclusion Lens Tool

What is next?

- Recruiting for 2025 summer research awards
- Exploring potential collaboration with Sheridan and UofT
- Capturing the true value of these initiatives - how they support and help achieve future initiatives, and long-term impact around talent?
- Tapping into grants and longer term projects

Questions?