

January 5, 2021

## Yellow Creek Geomorphic Systems Master Plan



The City of Toronto has initiated a study to identify sewer and watermain infrastructure in Yellow Creek that is at risk of erosion from high flows due to storms and snow melt runoff. The study will evaluate and recommend solutions to reduce these erosion risks through an assessment of Yellow Creek’s geomorphology (stream processes).

The geomorphology of a creek examines how natural and human factors have shaped its form and function over time. For example, how erosion can affect the path a creek follows (form) and the aquatic and terrestrial habitats the stream supports (function).

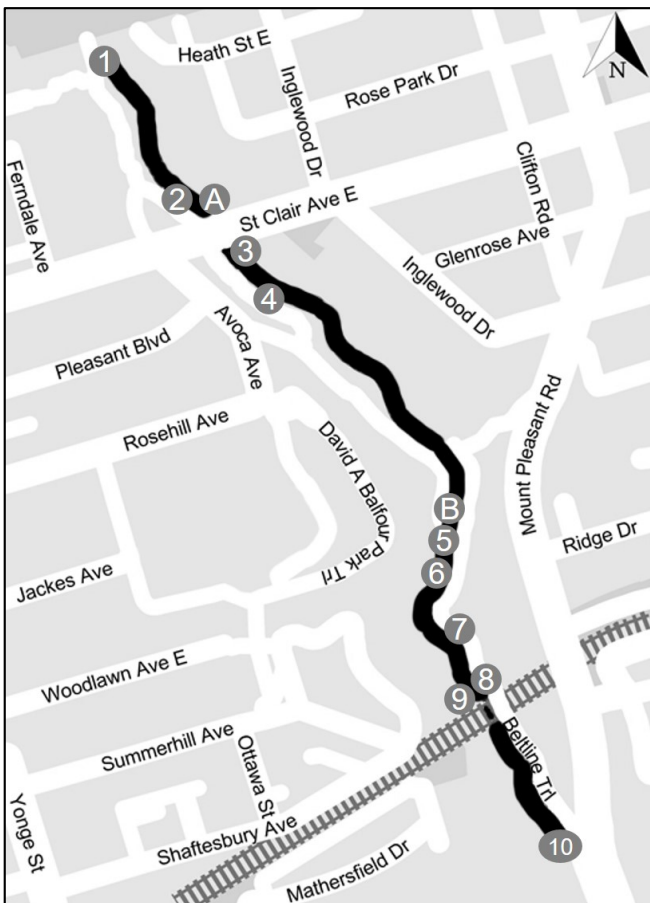
The study will focus on:


- Identifying sewers, watermains and outfalls located within Yellow Creek that are at risk from erosion caused by flows from storms and snow melt runoff
- Developing, evaluating and recommending solutions to reduce erosion impacts on sewers and watermains, while improving aquatic and terrestrial habitats

The study will not examine trail conditions or recommend improvements to trails, forestry or ravine amenities. The City will undertake separate efforts in the future to address these features.

### City infrastructure within Yellow Creek

The City’s storm sewer drainage system is designed to manage rainwater and snow melt runoff by conveying storm-water runoff to nearby watercourses.

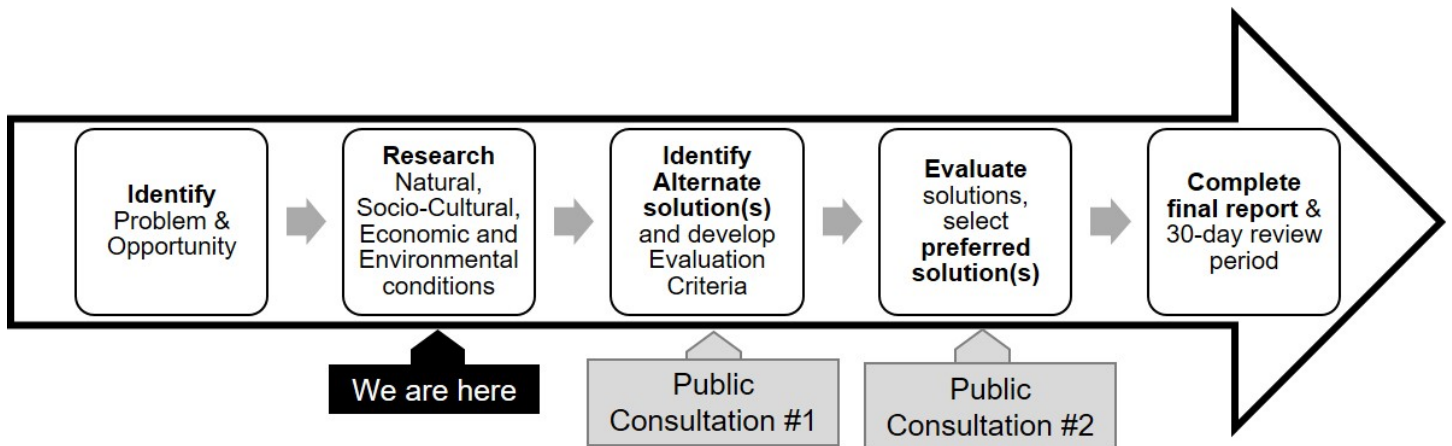


Map Point	Label
1	Source Storm Sewer Outfall
2	Storm Sewer Outfall
3	Storm Sewer Outfall
4	Storm sewer outfall
5	Discharge Outfall – Rosehill Reservoir
6	Watermain Crossing
7	Storm Sewer Outfall
8	Watermain Adjacent Creek
9	Storm Sewer Outfall
10	Storm Sewer Inlet
	Yellow Creek Stream/Channel
A	Monitoring Site
B	Monitoring Site

## What is a Master Plan?

A Master Plan is a long-range plan that examines the needs within a geographic area and provides a framework and vision to implement recommended improvements.

The study will follow the Municipal Class Environmental Assessment study process, an approved planning process under the Ontario Environmental Assessment Act, which includes providing opportunities for public input at key stages. A study report will be prepared at the end of the process.



## Other Works in Yellow Creek

**Storm Sewer Outfall Repair south of St Clair Avenue East:** Work to rehabilitate a storm sewer outfall has started and will be completed this winter. A public notice for this work can be found at [www.toronto.ca/improvements/ward11.htm](http://www.toronto.ca/improvements/ward11.htm)

**Yellow Creek Emergency Works east of Summerhill Gardens:** Toronto and Region Conservation implemented works to address significant channel erosion and slope instability east of Summerhill Gardens starting in August 2019 with completion in May 2020. TRCA is planning to undertake maintenance of the newly created erosion control structures in Winter 2021. The goal of this project is to protect structures at the top of slope while addressing stream erosion concerns that threaten public safety and aquatic habitat. Please visit this webpage to learn more:

<https://trca.ca/conservation/erosion-risk-management/restore/yellow-creek/>

**Yellow Creek west of Heath Street East Erosion Control and Slope Stabilization Project:** TRCA has proposed to undertake remedial flood and erosion control works on the slope and within the stream channel west of Heath Street East and just south of the Mt. Pleasant Cemetery. The purpose of this project is to provide long-term protection to essential structures identified to be at-risk from the hazards of erosion and slope instability. Please visit this webpage to learn more:

<https://trca.ca/conservation/erosion-risk-management/restore/heath/>

## Help us monitor erosion and flows

As you walk through Yellow Creek, we ask you to share photos at two monitoring locations shown on the map, points A and B (reverse side). Your photos can help us to track the water flow changes and effects of stream bed and bank erosion that may impact storm sewer outfalls and aquatic habitat.

Click on the interactive map link on the project webpage or send your photos directly to [yellowcreek@toronto.ca](mailto:yellowcreek@toronto.ca). Please avoid taking photos that include personal identifiable features.

## For more information, contact:

Public participation is an important part of this study. We welcome your feedback via participation at public events, or by phone, mail and email. Contact us to receive updates by email.

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Information will be collected in accordance with the Municipal Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.