

November 13, 2023

Yellow Creek Restoration and Infrastructure Protection Study

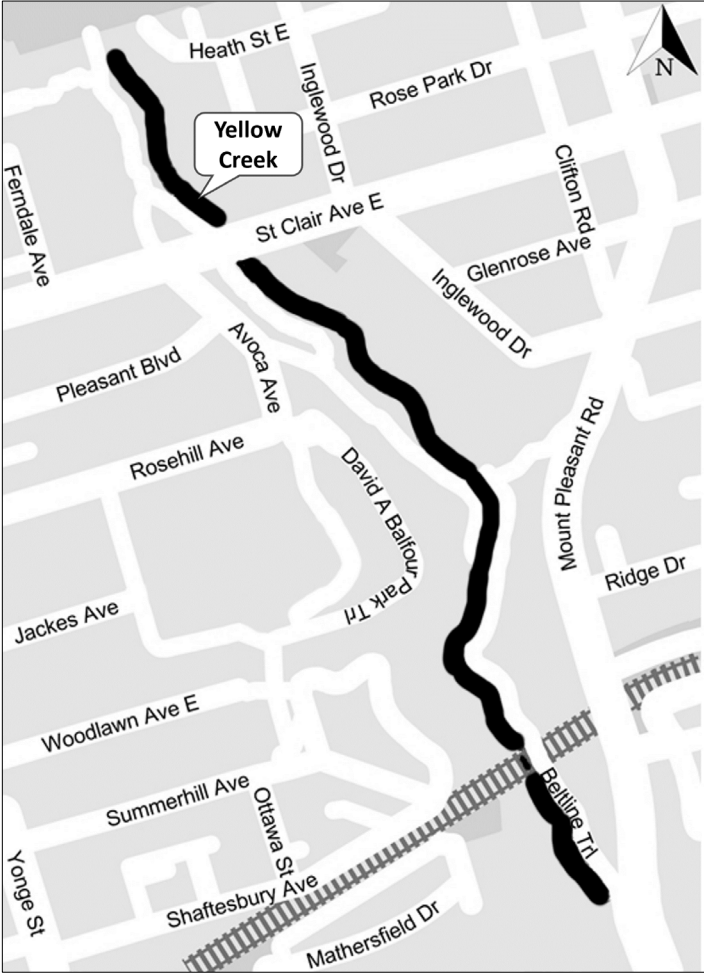
The City of Toronto is carrying out a study to identify sewer and watermain infrastructure within Yellow Creek that is at risk of damage due to erosion impacts as a result of high flows from storms and snow melt.

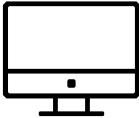
This study looks at how the City’s storm sewer and watermain infrastructure can be protected within the creek using recommended solutions to help correct existing impacts and reduce or prevent future impact. This will ensure the City’s infrastructure continues to operate and service residents and businesses. The solutions will be part of a Yellow Creek Geomorphic Systems Master Plan (GSMP) for the creek that is implemented over a multi-year period.

The public is invited to learn more about the study, ask questions and provide feedback on potential impacts of the recommended solutions.

Study Area

The study area is the 1.3 km aboveground length of Yellow Creek from south of Mount Pleasant Cemetery east of Yonge Street at Heath Street and north of St. Clair Avenue, to the southern part of David A. Balfour Park, south of Summerhill Avenue near Mount Pleasant Road.



Learn More	Attend the Virtual Event	Provide Feedback
 View project information on the website and provide feedback. toronto.ca/Yellow Creek	 Monday November 27, 2023 6:00 p.m. to 8:00 p.m. Join online or by phone. See page 2 for details.	  Complete an online survey or request a printed copy. Submit comments by email, mail or phone. Comment deadline: Sunday December 17, 2023

Study Details

The geomorphology of a creek examines how natural and human factors have shaped its form and function over time. Erosion can affect the path a creek follows (form) and the aquatic and terrestrial habitats the stream supports (function). Erosion results in gradual changes to the form and function of the creek and creek bed. Significant changes to water levels during storms have contributed to increased erosion, which poses risks to the City’s sewer and watermain infrastructure located in or adjacent to the creek.

Impacts from erosion can be corrected and further prevented through natural channel design by reconstructing the bed and bank of a stream with natural rock and/or vegetation, which allows for a new stable path for the creek. The following alternative solutions for natural channel design were evaluated for the water infrastructure sites at risk of erosion in the study area:

- Alternative 1: Do nothing (no planned interventions, only ongoing monitoring)
- Alternative 2: Improvements through local works less than 100 metres
- Alternative 3: Improvements to a segment of the creek greater than 100 metres

Study Recommendations

Based on a risk assessment of the water infrastructure sites and following a detailed evaluation of the alternative solutions, the City is recommending four projects to stabilize the creek bed and banks of the creek through natural channel design. All four recommended projects would involve improvements to a segment of the creek greater than 100 metres (Alternative 3).

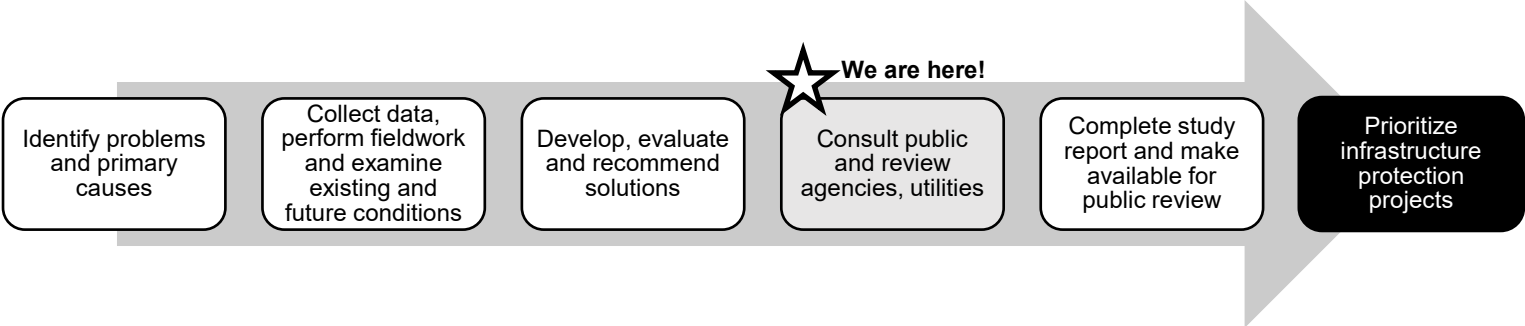
Of the infrastructure sites, one infrastructure site has been identified as moderate-high risk of damage from erosion. The project which addresses this site will be prioritised over other recommended projects for Yellow Creek.

Future implementation of the recommended projects will require tree and vegetation removal, followed by native species replanting. A restoration plan will be developed prior to construction as part of a future design phase after the study.

Temporary construction impacts will be communicated prior to construction.

Process

The study is following the Municipal Class Environmental Assessment study process for Master Plans, which is an approved planning process under the Ontario Environmental Assessment Act and includes opportunities for public input.



Next Steps

A Master Plan report will be prepared with the final study recommendations. The study report supporting the Master Plan will be posted on the project webpage for a 30-day public comment period.

Following a successful comment period, the recommended solutions will be included in the City’s Stream Restoration and Erosion Control Program and implementation will be prioritized across all GSMPs city-wide.

How to Join the Event

Join by computer, smartphone or tablet  Visit the webpage and register: www.toronto.ca/YellowCreek	Join by phone (audio only)  Dial: 416-915-6530 Access Code: 2631 517 6776 Attendee ID: 9355 6928
If you have a specific accessibility need or require accommodation, please contact us.	

More Information

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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.