

## NOTICE OF PROJECT COMMENCEMENT MUD CREEK RESTORATION – REACH 1

Toronto and Region Conservation Authority (TRCA), in partnership with Toronto Water, and Toronto Parks, Forestry & Recreation, is preparing to restore a section of Mud Creek - a tributary of the Don River - located adjacent to the Evergreen Brick Works located at 550 Bayview Avenue in the City of Toronto (**Figure 1**).



The objective of the project is to address ongoing erosion and woody debris blockages through a reconfiguration of the existing channel geometry and the replacement of failing erosion control structures with new materials appropriate for the current flow regime. Design details to develop the appropriate channel form were developed from a detailed geomorphic assessment of Mud Creek commissioned by Toronto Water in 2010.

The scope of work includes replacing existing failing gabion baskets with armourstone along the channel banks for approximately 70 metres. Downstream of this the remaining 75 metres of creek to the outlet of the Don River will be re-graded and stabilized with a vegetated buttress (quarry rock interspersed with live stakes) and native shrubs along its banks.

Several trees will need to be removed to accommodate construction equipment, re-grading and to reconstruct the channel to a stable configuration. Roughly 60% of trees to be removed are less than 19 cm dbh and over 70% of are non-native and/or highly invasive. TRCA is currently working with City of Toronto Urban Forestry staff to implement a high-quality forest management strategy to replace removed trees, increase species diversity and add to the ecological value of the Moore Park Ravine. At this site, restoration will begin with the installation of more than 6,000 live stakes and bare root shrubs over the winter and spring of 2012 to help stabilize the newly constructed channel. Following this further selective invasive tree removal up slope from the creek and aggressive replanting of numerous native trees and shrubs will occur. The site will be regularly managed to ensure proper establishment and long term success. Additional Mud Creek site management undertaken by Urban Forestry will be described on the Urban Forestry web site [www.toronto.ca/trees/ravines.htm](http://www.toronto.ca/trees/ravines.htm).

Work is proposed to start the week of January 23, 2012 pending the receipt of necessary approvals and is expected to take approximately 8 weeks to complete, excluding final site restoration, scheduled to be completed in spring 2012 as weather conditions permit.

If you would like more information about the creek restoration project please see TRCA's website at <http://www.trca.on.ca/the-living-city/green-infrastructure-projects/maintenance-projects/mud-creek-restoration-reach-1.dot> or contact:

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