Day Two - Track Two
Thursday, March 22nd, 2018
1:00 p.m. – 1:30 p.m.

City of Toronto Stream Restoration

Presenters: Kumar Sivakumaran and Daniel McCreery, City of Toronto

Biography

Kumar Sivakumaran is an Engineer with the City of Toronto's newly formed stormwater management group in the Engineering & Construction Services Division. A graduate of the University of Peradeniya, Sri Lanka, Kumar has been with the City of Toronto for 28 years. During this time Kumar has managed numerous stormwater and stream restoration projects for the City.

Daniel McCreery is a Water Resources Engineer with the City of Toronto's newly formed stormwater management group in the Engineering & Construction Services Division. Prior to joining the City of Toronto Daniel spent 9 years working in the private sector working on water resources projects throughout North America. A graduate of the University of Guelph, Daniel is keen to team with various stakeholders to implement much needed stream restoration and stormwater management projects for the City of Toronto.

Abstract

In 2003 the City of Toronto approved the Wet Weather Flow Master Plan to improve the health of Toronto's watersheds. In an effort to increase Toronto's resiliency to Wet Weather Flow events, and better manage the growing list of stream restoration sites, Toronto created a stormwater group in its Engineering and Construction Services Division to implement stormwater and stream restoration projects. As a means of moving forward with stream restoration initiatives, this presentation will reflect on stream restoration projects completed prior to the implementation of Toronto's new stormwater group. In addition to highlighting completed City of Toronto stream restoration projects, this presentation will discuss the following topics: the different techniques used in stream restoration in the City of Toronto; the varying nature of Toronto's watersheds; the balance between protecting infrastructure and improving habitat and watercourse health; the challenges of implementing stream restoration in a highly urbanized setting. Based on a review of previously completed stream restoration projects, this presentation will act as a guide to better understanding stream restoration in the City of Toronto and assist in improving the health of Toronto's watersheds moving forward.

Learning Objectives

1. Review previously completed City of Toronto stream restoration projects to gain an understanding of the types of stream restoration projects the City undertakes;
2. Learn about the types of stream restoration techniques used in the City of Toronto; and
3. Learn about the challenges of undertaking stream restoration projects in a highly urbanized setting.