

# 1.0 Background

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The purpose of this report is to identify and document environmental constraints, recreational opportunities, servicing constraints and develop options for stormwater management to assist City of Ottawa in making decisions in and around the Kanata Lakes Natural Environment Area (NEA) within the context of ongoing development pressures.

The Kanata Lakes NEA is located in Lots 6, 7, 8 and 9 of Concessions 2 and 3 and is centered at 45° 20'N, 75° 56'W. It encompasses the area east of proposed extension of Terry Fox Drive and extends to north edge of the Kanata Lakes development, Goulbourn Forced Road runs through the centre of the area.

As part of the scope of work, CH2M HILL was asked to investigate the feasibility of expanding the Kanata Lakes NEA between the First Line Road Allowance and the proposed extension of Terry Fox Drive. The environmental, planning and stormwater analysis includes the land in the area of the proposed NEA expansion.

The Natural Environment Area includes a diverse mix of environmental features including forested areas, wetland areas, bedrock outcrops and a stormwater facility commonly referred to as the Beaver Pond. The Kanata Lakes NEA has significant recreational value with a well established trail network used extensively by the public for walking, hiking, jogging, mountain biking, cross-country skiing, orienteering, photography, investigating natural history and birdwatching.

Several reports completed on the subject lands have been reviewed, and their recommendations were considered in the development of the preliminary options discussed in this report. The reports include:

- *Kanata Lakes North Serviceability Update (Cumming Cockburn Limited, 2000)*
- *Kanata Lakes Storm Drainage Report (Oliver, Mangione, McCalla, 1985)*
- *Report on Sanitary Sewer Master Drainage Plan for Kanata Lakes (J.L. Richards, 1986)*
- *Terry Fox Drive Environmental Study Report (Dillon Consulting, J.L. Richards, 2000)*
- *Kanata Lakes Study Area, Natural Environment Assessment (Brunton, 1992)*
- *South March Highlands Study Area, Natural Environment Assessment (Brunton, 1992)*
- *Shirley's Brook and Watts Creek Subwatershed Study (Dillon 1999)*
- *Master Drainage Plan/ Stormwater Management Study for the new community of Marchwood-Lakeside (Cumming Cockburn Limited 1984)*
- *Kanata Lakes, Beaver Pond, Urban Stormwater Quality Control (Cumming Cockburn Limited 1994)*