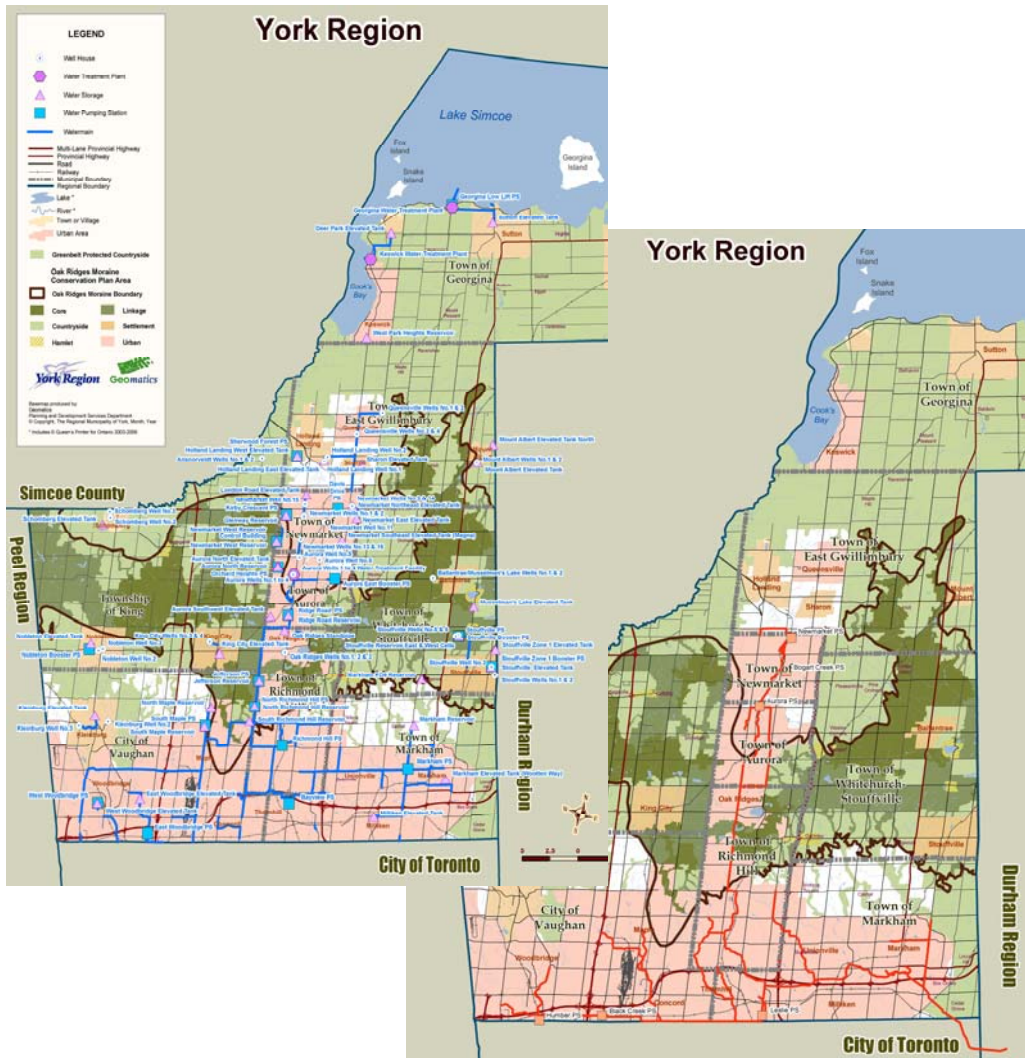




# The Regional Municipality of York



## Water and Wastewater Master Plan Baseline Report July 2008



GENIVAR



## Quality Assurance/Quality Control Report Preparation and Review Process

### 1st Draft

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May 17, 2007

### 2nd Draft

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March 18, 2008

### Final Draft

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July 4, 2008

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Transmittal Letter

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## 1. Introduction

York Region has retained GENIVAR Ontario Inc. and XCG Consultants, along with Hardy Stevenson to undertake a Class Environmental Assessment to develop a Water and Wastewater Master Plan for their serviced communities within the regional boundaries. The Master Plan will be based on existing infrastructure and projected residential, commercial, and industrial growth in the area.

At present, the major urban centres of Markham, Richmond Hill, and Vaughan are on a surface water supply called the York Water System (YWS). This system is being expanded into Aurora and Newmarket where groundwater has been prevalent. Most of the water supply comes from the City of Toronto and the Region of Peel (83%) with a small portion from local wells in the north (17%). The wastewater from these communities is conveyed through the York Durham Sewage System (YDSS) to the Duffin Creek Treatment Plant. The smaller communities are supplied by groundwater only. The wastewater is treated by various methods within the communities.

This Baseline Review Report will outline the existing water and wastewater systems that will be documented for the final report. This report establishes the baseline or starting point in the assessment of the water and wastewater systems to service the existing and projected development. In some instances, works are in various stages of planning which is important in understanding what is being assumed to be in place for servicing. For the purpose of this report, the status of works is for January 2008.

Also, the discussion establishes the base condition for infrastructure for the hydraulic models for water and wastewater systems.

Where possible, it is intended to take into consideration the condition of the existing infrastructure in the future expansion.