

Master Drainage Plan Study



Client: City of Barrie

Location: Dyments Creek

Services: Class Environmental Assessment, Hydraulic Analysis and Modeling



The City of Barrie retained the services of The Jones Consulting Group to undertake the Dyments Creek Master Drainage Plan Study Update. Dyments Creek is approximately 553 hectares in size. It flows through the central urbanized section of the City of Barrie. Past development within the watershed has caused storm runoff to increase in both magnitude and frequency. Development has also impacted base flow conditions and severely affected the physical characteristics of the natural watercourse.

Earlier studies identified drainage structure capacity concerns and degradation of the systems' natural environment. Accordingly TJCG undertook a new study to address changes in the land use throughout the watershed area as well as government policies on storm-water management. The study includes a comprehensive review of background information, OTHYMO hydraulic modeling, backwater computations and the development of a SWM implementation plan. The study followed the Class Environmental Assessment Process, and was completed in late 2004.

