

Barrie Creek Flow Monitoring

Client: City of Barrie

Year: 2012



SERVICES PROVIDED

In 2012, the City retained CCTA to monitor stream flows and water levels on six creeks draining through Barrie's downtown core. As step one, CCTA reviewed and evaluated the 2011 monitoring locations and if deemed necessary, selected alternative monitoring sites for the City's frontline (Stingray portable depth-velocity meters) and redundancy (Solinst Leveloggers) monitoring equipment. Following the installation of the monitoring equipment, CCTA visited each creek bi-weekly to: offload data, collect in situ stream flow measurements (for calibration), and perform routine maintenance. After each site visit, the stream flow data was processed, calibrated, cross-referenced to the City's rain gauge data, and analyzed for accuracy.

The 2012 monitoring program generated calibrated sets of stream flow data for all six creeks suitable for hydrologic model calibration and environmental modeling. The City retained CCTA to continue the work for 2013.

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