

**Client**

Ms. Berta Krichker  
Stormwater and Sewer  
Engineer, Environmental  
Services Dept.  
City of London  
300 Dufferin Avenue,  
London, Ontario, Canada  
N6A 4L9  
(519) 661-4724

**Location**

London, Ontario, Canada

**Services**

- Watershed Plan
- Best Management Practices

**Date**

2003 - ongoing

**Key Personnel**

Luis Alperin  
Project Manager  
Manon Lalonde, P.Eng.  
Hydrology

**Contract Value**

\$236,000.00

## Dingman Creek Subwatershed Study Update

**Scope of Services**

This 170 kilometres square sub watershed is located in Middlesex County and consists of 30 tributaries, with the main creek converging with the Thames River. Dominant land use is agricultural with 20 percent urban use. Because the majority of the sub watershed lies within the City of London, Ontario, additional urbanization of 50 percent of the subwatershed is projected by 2050. The existing environmental health of the sub watershed is affected significantly by several erosion and flood prone areas along the main creek and adjacent degraded aquatic and terrestrial ecosystems.

**Project Description**

The City of London wanted to update the 1995 Sub Watershed Plan, prepared by Delcan because the planned multi-million dollar stormwater management facilities are based on the recommended stormwater management control criteria in Delcan’s sub watershed plan.

Delcan assembled a multi-disciplinary team of professionals in water resources, hydrogeology, geomorphology, terrestrial and aquatic ecology and revised models to establish environmental baseline conditions. Delcan redefined subwatershed objectives and strategies including a refocused fishery target and an optimized storm water management strategy. Best management practices were recommended including a City-wide urban forestry program and an improved monitoring program.



**Results**

The new Sub Watershed Plan will save several millions of dollars in future stormwater management facilities.