

**Application of Water Resources Inventory Model (WRIM) on Etobicoke watershed**  
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WRIM is the detail hydrographical approach to combination of water balance and budget of watershed to establish water quality and quantity control. Etobicoke Creek watershed was divided on 34 hydrographical units for which all possible components of water balance and budget were estimated. Environment Canada (for water balance) and Yellow Pages (for water budget) were the sources of information to run this model. Based on obtained water balance-budget and published by TRCA available water quality data, amount of substances brought by Etobicoke Creek into Lake Ontario a year was obtained. There are (in tones) phosphorus (1.9), alkaloids (11 872), chlorides (12 160), nitrates (53.2), nitrites (3.0), suspended sediments (1007), faecal coliform ( $107 \cdot 10^{12}$  counts) and phenols ( $51.8 \cdot 10^9$  counts). Obtained result shows WRIM as an excellent base for water quality and quantity control.