



SURFACE WATER

Skelton Brumwell & Associates offers specialized services for water resource analysis in rural and urban environments for the aggregate industry, private development and municipal clients. Our project experience throughout Southern Ontario has led to a familiarization with hydrological matters associated with watershed studies, interference assessment of water resource features, mobile-bed fluviology, drought flow (7Q20) determination, estimation of threshold flow for protection of aquatic habitat, assessing maximum water taking rates, water balance and sustainability, hydrometric and climate monitoring, hydrologic and hydraulic modeling, fluorescent dye tracing and stormwater management quality and quantity controls.

In addition we facilitate Environmental Compliance Approvals (ECA) for Surface Water Category 2 and 3 Permits to Take Water and Industrial Sewage Works, undertake designs for river re-alignment and restorations, channel and shoreline erosion controls, pipeline water crossings, drainage and flood management channels, hydrolic jump stilling basins and vertical drop structures, industrial wash ponds and stormwater ponds, and implement automated climate station equipment and data logger installations.

www.skeltonbrumwell.ca

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SKILLS & EXPERTISE

- + Discharge Environmental Compliance Approval
- + Surface Water Permits to Take Water
- + Scoped Hydrological Assessment
- + Interference Assessment on Surface Water Features
- + Drainage & Flood Management Works
- + Mobile-Bed Fluviology
- + Stormwater Management Studies
- + Expert Testimony
- + Water Balance & Sustainability
- + Hydrometric & Climate Monitoring
- + Stream Classification
- + Drought Flow Determination
- + Creek Threshold Assessment
- + Hydrologic & Hydraulic Modelling