

# HYDROGEOLOGY

## TATHAM IS YOUR LOCAL EXPERT

Hydrogeology is an integral part of many projects across various industry sectors. Understanding the hydrogeology of a site is key to a project's success as hydrogeological unknowns can be a costly extra and/or halt projects.

Our team of professional engineers, geoscientists and technologists understand the importance of incorporating hydrogeology into a project as early as the planning stage continued through to project completion. Our hydrogeological team has extensive experience coordinating and collaborating with our various groups internally, as well as with regulatory bodies, including the Ministry of the Environment, Conservation and Parks (MECP), and local Conservation Authorities and Municipalities, at all stages of a project to provide our clients with a complete level of service.

## FIELD INVESTIGATIONS

- Supervision of the installation, development and decommissioning of monitoring wells
- In-situ borehole permeability testing
- Groundwater and surface water sampling
- Guelph Permeameter testing
- Design and execution of both stepped and constant rate pump tests for private, communal and/or municipal water wells

## ASSESSMENTS & REPORTING

- Local and regional scale groundwater assessments
- Source water protection planning and implementation
- Assessment of groundwater-surface water interactions
- Water budgets
- Low Impact Development (LID) assessments
- Construction dewatering plan development and review
- Compliance monitoring programs and reports
- Water well and septic system feasibility studies and "reasonable use" assessment
- Peer reviews

## PERMITTING

- Permit-To-Take-Water (PTTW) submission and/or Environmental Activity and Sector Registry (EASR) registration
- Assistance with the submission and post-submission comments pertaining to Aggregate Resources Act (ARA) applications for new pits/quarries and/or amendments to existing permits



**Alicia Kimberley, P.Geo.**  
akimberley@tathameng.com  
705-733-9037 x2252