



Job Posting – Ongoing

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| Job Title | Water Resource Engineer |
| Reports to: | Manager, Plan Review & Permitting Services |
| Salary: | \$83,573 to \$98,321 |
| Type: | Full Time Permanent |

Who we are

Otonabee Conservation is a community-centred environmental agency dedicated to protecting, restoring, and managing the natural resources of the Otonabee Region watershed. In collaboration with our eight member municipalities, we strive to create a healthy, diverse, and sustainable watershed that:

- Enhances the quality of life for residents
- Makes our area more appealing to visitors and new business
- Supports a thriving regional economy

Our team consists of dedicated professionals, including scientists, engineers, researchers, educators, planners, and environmental stewards, all passionate about preserving and enriching our natural environment while ensuring responsible, sustainable and safe development.

Who you are

You want to be a part of an organization with an environmental goal. You want the work you do to make a difference. You like a team environment where everyone has an opportunity to contribute to achieving a shared goal, no matter their background or level of education and experience. You like problem solving, expanding your horizons and making even the smallest positive impact on your community and the planet.

Why would you want to join our team

Otonabee Conservation encourages work-life balance and offers tailored work hours, opportunity

to work from home up to two days a week and an Employee Assistance Program. Our team feels a connection to their work, each other and the community we serve. Our administrative office is in the north end of Peterborough, the gateway to the beautiful Kawartha Lakes.

We offer staff development plans and open doors to help advance your career. Otonabee Conservation employees benefit from being a part of the Ontario Municipal Employees Retirement System (OMERS).

Working at Otonabee Conservation offers the opportunity to contribute to the conservation, protection, and enhancement of a healthy natural environment within the Otonabee Region watershed.

Otonabee Conservation celebrates a highly positive and collaborative working relationship with its member municipalities, community groups, and residents and delivers programs and services that support environmental sustainability. Employees are part of a dedicated team that manages conservation lands, provides outdoor recreational opportunities, assists in planning healthy and safe communities, and fosters community stewardship. The organization fosters a respectful, welcoming, and inclusive environment.

Joining Otonabee Conservation means being part of a mission-driven organization committed to making a positive impact on the local environment and community.

Overview of the Opportunity

The Water Resource Engineer is responsible for delivering and supporting key technical programs, including watershed hydrology and mapping and the study of Natural Hazards. Flood mitigation and preparedness initiatives and technical reviews related to development and natural hazards.

In addition, this position will serve as a Flood Duty Officer for the Authority, overseeing flood forecasting, emergency response coordination, and communication during flood events.

Primary Responsibilities (This is not an exhaustive list)

- Manages, updates and monitors regulatory mapping including hydrologic and hydraulic modelling and associated reporting.
- Provide technical review of the engineering aspects of development applications circulated under the *Planning Act*, Section 28 of the *Conservation Authority Act* and other applications/proposals as directed, consistent with natural hazard management principles, Provincial, Municipal and Authority guidelines, and accepted engineering standards.
- Prepare for senior leadership's approval, updates to the Natural Hazard Study and Mapping Strategy which incorporates erosion hazard priorities and other mapping objectives.
- Review flood plain mapping and natural hazard feature assessments to support development review and S28 regulations.

- Provide expert testimony on hydrologic, hydraulic, civil engineering and fluvial geomorphologic issues as required.
- As a flood duty officer, ensure the successful operation of the Authority's Flood Forecasting and Warning Program. Liaise with other agencies and represent the Authority on regional/provincial networks and committees as required.
- Maintain the Authorities Information Management System for the administration of the planning and regulations programs.
- Prepare court documents and evidence during Ontario Land Tribunal, or the proceedings of any other related tribunal/hearing as required.
- Remain current in water resources, engineer principles and practices and government or professional guidelines.
- Assist in the collection of field data in support of Authority's programs and services.

Skill

- Member in good standing with the Professional Engineers Ontario.
- Minimum five years of relevant progressive experience.
- Proficiency in hydrology and hydraulic methods and modeling programs such as HYMO-based packages, SWMM derivatives, HEC-HMS, Mike Flood and HEC-RAS.
- Knowledge and working experience with continuous hydrology modelling and 2D flood modelling.
- Current knowledge of the relevant legislation and technical guidelines including River & Stream Systems technical guides, Stormwater Management Planning and Design Manual, Low Impact Development Stormwater Management Planning and Design Guide.
- Ability to interpret earth processes, natural features and land uses from a variety of maps and plans, and use of air photo interpretation in the field.
- Knowledge of applied fluvial geomorphology, natural channel design non-structural erosion control and bioengineering techniques.
- Proficiency with Microsoft 365, GIS applications, and GPS technology.
- Maintain the Authorities Information Management System for the administration of the planning and regulations programs.
- Provide technical and engineering assistance to projects design, work plan development, survey methods and techniques and contract management.
- Valid Ontario Class G driver's license and clean driving record.
- Satisfactory Criminal Background Record Check

Please contact Don Allin, Manager of Plan Review & Permitting Services at dallin@otonabeeconservtion.com with any questions regarding this opportunity.

This posting will remain open until a suitable candidate is found. Candidates are encouraged to express their interest as applications will be reviewed on an ongoing basis.