

Career Opportunity

Junior or Intermediate Fluvial Geomorphologist

Location: Kitchener, Ontario

Availability: Immediate

About Ecosystem Recovery

Established in 2013, Ecosystem Recovery Inc. is a professional engineering and geoscience company specializing in water resources. Centrally located in Kitchener, Ontario, the office is well positioned to serve London, the GTA, the Golden Triangle, and the Golden Horseshoe areas. With a focus on client service, technical proficiency, and cost value, Ecosystem Recovery delivers specialized services for public and private sector organizations.

Ecosystem Recovery Inc. is at an exciting stage in its development and provides an opportunity for an enthusiastic, talented, and dedicated professional to contribute to projects and to help build our fluvial geomorphology capabilities and related services.

Position Description

As a member of the team you will work alongside, and be mentored by senior staff. You will become involved in all aspects of the fluvial geomorphology work plans including desktop review and analyses, field investigations, data collection and analyses, risk assessments, restoration design, report preparation and natural channel design. You will also be provided opportunity to develop skills and experience in other project support roles that may include, asset management, environmental assessments, engineering assignments, channel flow monitoring and channel construction site review. Your unique skills are expected to enhance our capabilities and contribute to the continued growth and development of the team.

The candidate will draw on their technical training, skills, experience, and initiative to fulfill the following responsibilities and expectations:

- Report to the senior geomorphologist or water resources engineer as an enthusiastic and engaged member of the team;
- Complete field assessments and surveys;
- Undertake fluvial geomorphic related studies, analyses, and natural channel design;
- Produce written reports and correspondence to a high level of technical and compositional quality;
- Interact with clients and co-consultants; and
- Assist team members with various administrative tasks, as required.

As a Junior or Intermediate Fluvial Geomorphologist with Ecosystem Recovery, you can expect to be involved in a variety of tasks and projects, including:

- Geomorphic study and investigations;
- Stream erosion inventory;
- Environmental Assessments;
- Meander belt delineations;
- Erosion threshold analyses;
- Infrastructure crossing assessments;
- Subwatershed studies;
- Erosion and hazard assessments;

- Flow and geomorphic monitoring;
- Sediment mobility and transport analyses;
- Fish passage assessment and design;
- Hydraulic analysis; and
- Stream restoration planning, design and implementation.

Qualifications and Experience

The following qualifications and capabilities are involved for this position:

- Undergraduate/graduate degree in Geomorphology, Physical Geography, Geology or Environmental Science with a focus on fluvial geomorphology (form and processes).
- Registered as 'Geoscientist -In-Training' or eligible for/working towards registration with the Association of Professional Geoscientists of Ontario (APGO).
- Demonstrate experience and understanding of river functions and processes from the drainage network to individual sites; and of the micro-, meso- and macro-scales of channel form.
- Aptitude for, and experience in, field data collection through all seasons.
- Demonstrate a willingness to travel for field work.
- Experience in aerial photograph interpretation and analyses as it pertains to watercourses and landforms.
- Understanding of, and analytical skills in, sediment transport, planform development, flow hydraulics, and river mechanics.
- Knowledge of the multi-disciplinary linkages of biogeography, aquatic and ecological sciences, and water resources engineering.
- Excellent oral, written and interpersonal communication skills.
- Ability to work independently within a supportive team environment.
- Adaptability to respond to, and engage in, skill development as needed to support ERI staff and the project needs of the firm.
- Flexibility to meet project needs.
- Access to a vehicle and a valid driver's license.

The following skills will be considered assets:

- Background in stratigraphy.
- Knowledge of/experience in digital cartography (GIS, AutoCAD).
- Experience in flow monitoring.
- Experience in channel restoration and 'natural channel design'.
- Familiarity with permits and approvals pertaining to streams in southern Ontario.

Compensation will be commensurate with the applicant's level of qualifications and experience. ERI offers a competitive salary, bonus program and full benefits.

If you feel that you are qualified for this position and interested in joining an engaging work environment, please send your current resume, along with a cover letter by email to:

mariette.pushkar@ecosystemrecovery.ca

We thank all candidates for their interest. However, only those selected for an interview will be contacted.

For more information on how you can develop your professional career as part of our team, please visit our website at www.ecosystemrecovery.ca