



Fluvial Geomorphologist / Water Resource Engineer

Matrix Solutions Inc. is a Canadian, employee-owned environmental and engineering consulting company. Strategically located across Canada, we help our clients, employees, environment, and communities thrive. With our ability to collaborate across services, disciplines, and geographies, we deliver responsive, locally connected, and scalable solutions customized to our client's project and environmental challenges.

Our integrated approach is supported by talented professionals focused on three key areas of service: water resources assessment, remediation, reclamation and monitoring; environmental planning, assessment, and approvals. Join our team of passionate professionals and work with us to create a lasting impact.

Our **Guelph, or Mississauga, Ontario** office is seeking a **Fluvial Geomorphologist/Water Resource Engineer** to join our team.

As the successful candidate, you will work with a diverse team of fluvial geomorphologists, water resource engineers, civil engineers, ecologists, hydrogeologists, and technologists to lead, manage, and participate in a variety of projects related to river processes. These include stream restoration designs, corridor/hazard delineation studies, erosion thresholds and scour assessments, integrated monitoring, and aquatic habitat characterization. You will have the opportunity to lead and support a variety of broader water resources projects, including environmental assessments; watershed/subwatershed-level studies and management plans; and development impact evaluations.

Key Responsibilities:

- Provide technical direction and input into stream restoration/stabilization projects based on channel processes
- Review and authorize design drawings associated with stream restoration/stabilization projects, including Issued For Tender/Construction drawing sets.
- Manage a variety of projects for a diverse group of clients, including: budget/cost control; schedule tracking; and client management
- Collaborate with a multi-disciplinary team on river process-related projects including subwatershed studies and environmental assessments
- Direct and support field data collection exercises as well as data synthesis/analysis
- Provide technical support and mentoring to junior team members
- Work with regulatory agencies and clients to address project-specific challenges
- Prepare technical reports, specifications, work plans
- Support business development initiatives including drafting proposals, build strong client relationships and liaise with stakeholders
- In consultation with other disciplines and Matrix leadership, participate in developing and executing service line strategies
- Occasional travel within Ontario and to other Matrix locations to support projects or business development initiatives
- Actively participate in Matrix strong Health and Safety culture

Education, Experience, Technical Skills:

- More than 8 years of experience in fluvial geomorphology or water resources engineering, specifically related to the design, construction, and project management of water resources projects, with a particular focus on projects related to fluvial geomorphology
- Professional Geoscientist or Professional Engineer designation (or candidacy) is required
- Bachelor's degree in Physical Geography, Earth Sciences, Water Resources/Civil Engineering, or related field. A graduate degree would be considered an asset.
- Experience with natural channel design concepts, surface water management, hydraulic/hydrologic and sediment transport models

- Knowledge of current regulations and legislation
- Ability to effectively manage projects of various sizes and complexity simultaneously
- Experience in writing technical reports and proposals, and giving presentations to multi-stakeholder groups
- Strong ability to convey complex concepts in a clear and concise manner, both verbally and written
- Self-motivated individual, possessing strong interpersonal and communication skills
- Knowledge of hydrology, aquatic biology and engineering models (e.g. HEC-RAS) would be an asset
- Experience with design and drafting software such as ArcGIS and AutocAD would be an asset
- A valid Class G driver's license with no restrictions and a clean driving record.

Matrix is committed to providing a safe and productive work environment and to promoting the health, safety and well-being of our employees. In keeping with our Health & Safety Policy, individuals in safety sensitive positions are subject to pre-employment, pre-access (and in some client cases, random) alcohol & drug testing as well as drivers abstract reviews.

Are you the one we're looking for? Click the link to Apply: <https://www.matrix-solutions.com/careers/apply/>

Matrix Solutions offers a comprehensive compensation package. We are also committed to flexible work hours and schedules, team-based work, cross-training opportunities, and rewarding our star performers.

Applicants must have legal authorization to work in Canada with no restrictions.

We welcome and promote diversity and inclusion in our workplace and encourage applications from all qualified individuals. Matrix provides support in its recruitment processes to applicants with disabilities; including accommodation that takes into account an applicant's accessibility needs. Candidates requiring accommodation during the recruitment process are asked to contact Human Resources directly.

Please bookmark our careers page and visit often to learn more about what we do. Also, follow us on LinkedIn and Twitter (at Matrix Solutions Inc & ITweetMatrix respectively) for ongoing updates about our people and business. For more information about Matrix Solutions, please visit our website at www.matrix-solutions.com

While we appreciate all applications we receive, we advise that only candidates under consideration will be contacted.