

We're Hiring!

At GEO Morphix, we are a team of professional geoscientists and environmental experts focused on geomorphology, earth surface processes, and watershed science. Our team specializes in river and shoreline restoration, erosion hazard delineation and mitigation, environmental monitoring and hydrometrics, and projects that require an in-depth understanding of erosion, sedimentation, and sediment transport. Our team of industry leaders provide observation-rich answers based on a balanced application of quality science and years of experience to achieve practical, implementable, and innovative solutions for all stakeholders. A successful project is one that meets or exceeds our client's objectives.

Given that our team members work throughout southern Ontario and in the Ottawa region, we offer a hybrid office model that provides flexibility for staff working from home and extends our geographic reach to clients and project work.



Position Description

Intermediate River Scientist/Geomorphologist (Campbellville/Ottawa, ON)

We are seeking an Intermediate River Scientist/Geomorphologist to join our dynamic team. The successful candidate would have a deep understanding of fluvial geomorphological processes. They would be responsible for studying the processes and patterns of rivers and streams, assessing erosion sensitivity and potential impacts of a variety of project types, and providing expert advice and solutions for managing river systems. This role requires a strong understanding of fluvial systems, proficiency in data analysis and modeling, and the ability to communicate complex scientific concepts effectively to varying audiences.

Responsibilities

- Conduct field investigations of river systems and shorelines, including the application of standard rapid and detailed geomorphological assessment techniques, sediment composition and transport analyses, and characterization of channel morphology and floodplain dynamics
- Analyze and interpret field data collected from surveys, remote sensing imagery, and other sources, to understand the behavior and changes in river systems over time and associated implications for a variety of project types
- Use specialized software for developing models to analyze and simulate fluvial processes, including hydraulic modeling, sediment transport modeling, and erosion modeling
- Collaborate with interdisciplinary teams to integrate fluvial geomorphology principles into river management and restoration projects, considering ecological, hydrological, and engineering requirements
- Prepare technical reporting and presentations based on project deliverables, and provide technical input to proposals for public and private sector clients
- Provide expert advice and guidance on river-related issues to clients, stakeholders, and government agencies
- Participate in environmental impact assessments and contribute to the development of sustainable river management strategies
- Stay up to date with the latest research, advancements, and best practices in fluvial geomorphology and related fields



Qualifications

- Diploma or degree specializing in Environmental Science, Geomorphology, Geology, Physical Geography, Water Resources Engineering, or similar field
- Minimum 2-3 years of professional experience in geomorphology or a closely related field
- Strong knowledge of fluvial processes, river dynamics, sediment transport, and channel morphology
- Proficiency with Microsoft Office (Outlook, Word, Excel, PowerPoint, Teams)
- Proficiency in using GIS software for spatial analysis and mapping (e.g., ArcGIS, QGIS)
- Experience with 2D/3D flow modeling software (e.g., TUFLOW, River 2D, or similar)
- Excellent data analysis and quantitative skills, including statistical analysis and numerical modeling
- Experience with programming languages is an asset (e.g., Python and R)
- Ability to conduct fieldwork in various conditions and physically demanding environments
- Strong written and verbal communication skills, with the ability to effectively convey complex scientific concepts to both technical and non-technical audiences
- Strong multi-tasking, organization, and time management skills
- Valid G Class driver's license

Rewards

GEO Morphix understands the importance of employee well-being and job satisfaction. Productive and energized staff are the key to a successful company. In support of this goal GEO Morphix offers:



GEO Morphix promotes and provides a friendly and accepting work atmosphere. We are committed to workplace diversity, inclusion, and equal opportunity, and recognize the associated benefits of different perspectives.



We offer a competitive compensation package including: health benefit plan, employer sponsored Group Registered Retirement Savings Plan, and a performance-based bonus program.



We encourage our team to never stop learning. We support professional development in a variety of ways including an employee Professional Development Benefit and a Healthy Living Benefit to promote professional and personal advancement.



GEO Morphix has adopted a hybrid work model. We recognize work-life integration is important.



As a small-medium sized company, we value social and volunteering events and activities.

We thank all applicants for their interest in working at GEO Morphix Ltd. Only those candidates selected for an interview will be contacted. Please send inquiries and resume to opportunities@geomorphix.com

Accessibility

GEO Morphix Ltd. is committed to workplace diversity, inclusion, equal opportunity, and is in compliance with the Accessibility for Ontarians with Disabilities Act and the Ontario Human Rights Code. Accommodations are available on request for candidates taking part in all aspects of the selection process.