

Intermediate Geomorphologist

Beacon Environmental Limited is currently seeking an Intermediate Geomorphologist or Geomorphic Systems Analyst to work out of our Guelph office. The primary role of this person will be to provide support to various geomorphology related tasks, including the design and implementation of natural channel design projects, desk-based research and analysis, fieldwork and report writing. Junior and intermediate staff take a technical role in their area of expertise while working on multidisciplinary teams, and act as key support staff in project management. There may also be opportunities to provide support to other ecological restoration and environmental monitoring initiatives in various Beacon offices.

Beacon offers a competitive compensation package including ownership opportunities, a performance bonus system, health benefits, and RRSP matching. Our inclusive corporate culture is carefully designed to make us an exceptionally competitive firm, and a fulfilling place to pursue a career in the dynamic industry of environmental consulting.

QUALIFICATIONS

- Secondary education in physical geography, earth sciences, water resources engineering or equivalent program; a Master's Degree in Science with a focus on geomorphology and / or river restoration is strongly preferred.
- Minimum of three to five years of practical experience; consulting experience is an asset.
- Strong organization, oral and written communication skills.
- Experience and competence in environmental data collection, management, and analysis.
- Ability to read, review and understand ecological, landscape architecture, and engineering drawings.
- Knowledge of applicable acts and regulations, including associated permits: *Endangered Species Act*, *Conservation Authorities Act*, *Fisheries Act*, Permit to Take Water, etc.
- Excellent problem-solving abilities.
- Strong attention to detail and quality control.
- Good understanding of current Microsoft suite of software.
- Ability to work on multiple projects and meet deadlines.
- Valid Ontario driver's licence.

RESPONSIBILITIES

- Aerial photo interpretation.
- Conduct field surveys (topographic, geomorphic data collection, dripline, etc.) in support of projects, as required. Data processing (including processing of survey data, sediment entrainment modelling, instream flow calculations).
- Data analysis (including determination of erosion thresholds, evaluation of hydrologic and hydraulic model output, exceedance analysis).
- Meander belt width delineation.
- Development of natural channel design drawings in support of environmental projects.
- Liaison with project partners, regulatory and agencies.
- Proposal and report preparation.

- Report to Project Managers on the status of projects on a regular basis.
- Provide field support to Beacon ecology staff, as required.

ADDITIONAL QUALIFICATIONS THAT WOULD BE AN ASSET

- Registered as a G.I.T. or P.Geo., or eligible for membership with the Association of Professional Geoscientists of Ontario.
- Working knowledge of AutoCAD LDD/Civil 3D software.
- Practical experience using ESRI suite of software, or equivalent software.
- Working knowledge of hydrological and/or hydraulic modeling (HEC-RAS)
- Experience using RTK GPS technology and Total Station survey equipment.
- Certifications: CISEC, MNRF Electrofishing, and Pleasure Craft Operator.