



Cumulative (Environmental) Effects Specialist

Location: Waterloo or Collingwood, Canada

Description: One (1) Full-time Position

Closing Date: September 29, 2017

Background

Greenland International Consulting Ltd. (Greenland) is a Canadian, award winning enterprise that works in the environmental, clean energy and low impact development sectors and specifically projects with an integrated watershed management and infrastructure planning/design; information technology; and, public-private partnership focus. Greenland is a member of the GREENLAND® Group of Companies (www.grnland.com) which includes other professional engineering and 'Smart Product' affiliates. Through the dedication of multi-disciplinary teams, Greenland provides full-service engineering, urban design planning and landscape architecture. The company's business model and corporate brand are unique because of commitments to innovation; attention to detail; and, the personality of a "*Canadian enterprise with a global impact*". Greenland's client base includes all levels of government; Indigenous Peoples; utility and resource sector industries; railways; and, land developers.

In 2012, Greenland expanded its consulting services and proprietary tools with partners in the United States, South America, Pacific Rim and Europe. Canadian offices are located in Collingwood, Greater Toronto Area and Region of Waterloo. The company also has Alberta-based business partners. The Board of Directors includes key employees, First Nation and (former) Public Sector professionals.

Greenland became a member of the Communitech Hub in 2013 and currently operates a satellite office from this Internet-of-Things (IoT) Centre of Excellence. Communitech is the organization that provides services to the Waterloo Region's technology sector and has been referred to as "Canada's Silicon Valley". Greenland strongly believes that developing 'Smart' decision support systems with a watershed sustainability and cumulative effects focus; using them for strategically growing its niche consulting services; and, being retained by clients on a long-term basis to maintain, run and train staff with these new systems, Greenland will continue to contribute to Canada's economy.

Greenland has undertaken many integrated watershed planning and Class Environmental Assessments (EA) infrastructure projects. First and foremost, Greenland is a municipal infrastructure design and construction management firm with integrated environmental engineering and software development expertise. However, Greenland's business units rely on spatial analysis, data processing and visualization tools, and open data using in-house software. Greenland also offers second-to-none capabilities in developing the "next evolution" of Decision Support Systems (DSS) in partnership with universities. Partners include the University of Guelph, University of Waterloo, Lund University (Sweden) and Penn State University (U.S.). Our industry recognized tools have included the first Environment Canada watershed systems database packages; Visual OTTHYMO© (a Canadian stormwater management model); and, proprietary Internet-GIS modeling platforms, such as **CANWET™**, **THREATS™** and **ISWMS™**.

Company growth and new technology targets have also been achieved involving private and public sectors, as well as trusted / respectful partnerships with Canada's Indigenous Peoples.



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Description of Full-time Position

Cumulative effects project partnerships have recently been secured in Canada and will include the use of new in-house decision support systems developed by Greenland's software team. Other projects have also been identified to expand the use of our proprietary tools.

In response to this growing workload, Greenland is seeking an intermediate Environmental Specialist with cumulative effects assessment experience to join its collaborative teams operating in Ontario and Western Canada.

Qualifications:

Candidates must meet the following minimum requirements:

- Postgraduate degree in cumulative effects management, geography, geomatics, landscape ecology, land use planning, resource management planning or related fields of study and several years of progressively responsible experience or an equivalent combination of education and experience;
- Knowledge of theories and practices for cumulative effects modelling, assessment, and management; geomatics (i.e., Geographic Information Systems (GIS) and including geodatabase management, geospatial statistics, and remote sensing); and, landscape ecology including renewable resource dynamics, natural disturbance patterns and emulation, and climate change adaptation;
- Experience with large data access and management including developed partnerships with data providers (e.g. federal and provincial governments, industry, NGOs, etc.) would be an asset; and,
- Advanced level environmental monitoring knowledge, analytical and statistical skills (preferably R) in environmental effects assessment, with a publication record related to cumulative effects assessments for multiple environmental media.

Responsibilities:

The successful candidate will:

- Build, adapt and apply Greenland decision support systems for examining land management scenarios, evaluate the risks and benefits of various options, and develop and recommend appropriate management options; and,
- Present analytical modelling results to various audiences, and provide key technical inputs for land use planning engagement processes and management recommendations.



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Skills:

Relevant skills needed for the position includes:

- Organized individual capable of producing results and meeting deadlines;
- Refined analytical and problem solving skills;
- Excellent communication (both oral and written) and presentation skills;
- Excellent data management skills;
- Ability to establish effective working relationships with colleagues and clients;
- Ability to effectively multi-task and work in a fast paced, high change environment;
- Good initiative and attention to detail;
- Expected to manage work with minimum supervision; and,
- Ability to travel in Canada and overseas.

We offer an exceptional professional working environment and culture as well as a competitive salary package.

Please email your resume in confidence to greenland.resumes@grnland.com and to the attention of R. Mark Palmer, P. Eng., President / CEO. While we thank all applicants, only those contacted for an interview will be acknowledged.

The Greenland Group is committed to an inclusive, barrier-free selection process. If contacted regarding this competition, please advise the interview coordinator of accommodation measures you may require during our selection process. Information received relating to accommodation needs of applicants will be addressed confidentially. The Greenland Group supports diversity, equity and a workplace free from harassment and discrimination. Personal information contained in applications will be used for recruitment purposes and collected as per Freedom of Information (F.O.I.) And Protection of Privacy Act, 1987.