



NOTICE: Effective January 15th the OPS will be posting new job advertisements on the eCareers website daily. New job advertisements will be posted throughout the week, Monday through Friday. Please check the site regularly to see new opportunities available within the OPS.

Please note that the **job alert** function is temporarily unavailable. We are working on correcting the issue, but in the meantime, please check the website regularly for updated job posting details. We will post an updated message on the site when the job alert function is functional again.

Job Specification

Position Title: SOCIAL SCIENCE ANALYST
Job Code: OPSEU - Biologist 2B, 14024
Job ID: 18848

Purpose of Position:

Under general supervision of the Research Scientist - Human Dimensions of Resource Management, and in a team environment, to provide professional support to CNFER research that addresses requirements of the Forest Management Class E.A. and other OMNR research priorities. Assists in the planning and implementation of laboratory and field studies, conducts analyses and synthesis of social science data and models, leads projects and writes reports. Provides group leadership by training and supervising staff in methodologies and protocols for field sampling, surveying, laboratory work and data analysis.

Duties/Responsibilities:

1. Under the science direction of the Research Scientist and within a team framework, provide modeling, analytical and logistical support to the Human Dimensions of Resource Management research program by:

- Assisting in the establishment of a human dimensions research program according to specified sampling designs;
- Coordinating data base management and procurement of social science and spatial datasets and layers;
- Conducting spatial analyses using GIS and other spatial analysis tools as well as other resource management models and software tools;
- Conducting and overseeing field, laboratory and office work for quality assurance, data integrity and adherence to budgets, timelines and deliverables;
- Providing literature searches, data synthesis, statistical analysis and interpretation of results including writing of data summaries, technical reports and contributing to peer-reviewed manuscripts for primary scientific journals;
- Assisting in development of research proposals and submissions for internal and external funding.

2. Working with First Nations, industry representatives, NGOs, research collaborators and partners, contractors and MNR and other government staff to ensure delivery and coordination of research initiatives.

- Coordinating the planning, site selection and implementation of monitoring and surveying approaches;
- Planning work schedules and logistics and coordinating partner involvement in data collection and analyses;
- Organizing, documenting and analyzing data, and developing partner-accessible databases;
- Providing group leadership to contract field crews including on-site instruction for data collection protocols, use of sampling and locational equipment, and for health and safety concerns;
- Preparing oral and written reports and presentations on research work to ensure regular project updates to staff and partners and provide recommendations for project enhancement;
- Developing contract proposals and oversee delivery of service contracts.

3. Preparing and presenting science transfer materials to effectively communicate progress on the program within MNR, to project partners and other industry and stakeholder groups.

- Delivering presentations and reports on the results of research in support of enhancements to management guides or other OMNR policy documents, and in response to requests for information.
- Assisting in the planning and delivery of science workshops, training sessions and conferences.
- Developing and giving public presentations and for key stakeholder groups on research results.
- Participating in science forums, working groups or other committees in support of OMNR priorities.

The incumbent shall, work in compliance with the Occupational Health and Safety Act and its regulations and any workplace practices as directed by the employer. The incumbent shall ensure that workers take

precautions to protect the health and safety of themselves and others by complying with such acts, codes, policy, procedures or accepted workplace practices as may be appropriate. The incumbent shall advise workers of actual and potential dangers in the workplace and take the required precautions. Managers have the right to assign additional duties.

Knowledge:

Job requires extensive knowledge of concepts and practices related to human dimensions of resource management with regards to outdoor recreation, forest management, resource based tourism and public participation areas of inquiry. Demonstrated experience in the application of surveys of people, behavioural and economic models, assessment of public participation, and techniques for monitoring human behaviours.

Good knowledge of natural resource management principles and the legislation, manuals, guides and Environmental Assessment conditions that direct forest management and fish and wildlife management in Ontario. Experience in the analysis and interpretation of data in support of policy development and testing for criteria and indicators, standards, guides and best management practices.

Job requires demonstrated experience in laboratory and field procedures, experimental design and surveying for research in the human dimensions of resource management with a focus on human behaviours, attitudes and values, and providing public participation opportunities in Ontario

Job requires proven abilities in database management, statistical analysis, and use of computer software packages (e.g., MS Word, MS Access, MS Excel, MS Power Point, PROCITE, SPSS and other database, statistical, spatial analysis and modeling software). Job requires experience with GPS technology and use of GIS for mapping, data/information display, analysis and modeling.

Job requires group leadership skills to assign work to students and unclassified staff on behalf of the supervisor, including training, assigning daily work, monitoring the quality and quantity of work, and reporting on progress or any issues.

Job requires that the incumbent shall work in compliance with the Occupational Health and Safety Act and its regulations and any workplace practices as directed by the employer. The incumbent shall ensure that workers take precautions to protect the health and safety of themselves and others by complying with such acts, codes, policy, procedures or accepted workplace practices as may be appropriate. The incumbent shall advise workers of actual and potential dangers in the workplace and take the required precautions.

Staffing and Licensing Requirements:

Valid drivers license.

Must have or the ability to obtain a small watercraft certificate for vessel operation.

Skills:

Job requires analytical and problem solving skills to make project-level decisions to determine the nature and extent of deviations from existing data collection standards and protocols and recommend corrective action; review standards, policies and procedural guidelines, acts and regulations to determine the approach to a task or to resolve an issue, or to apply them to program operations in field conditions (e.g. sampling from a population of individuals); resolve technical problems in operational field situations by gathering/analyzing information on site, determining options, selecting a course of action and documenting position/rationale (e.g. quality assurance inspections in data collected from surveys); and to deal with issues and problem situations, particularly in remote field situations.

Job requires group leadership skills to assign work to students and unclassified staff on behalf of the supervisor, including training, assigning daily work, monitoring the quality and quantity of work and reporting on progress.

Job requires interpersonal skills and a knowledge base to deal with requests and concerns of clients/partners (e.g. contractors, consultants, other MNR staff and the forest industry). Must have interpretive skills and ability to communicate effectively, orally and in writing. A demonstrated ability to show initiative and good judgment.

Highly developed skills in human dimensions of resource management research involving laboratory, field and surveying procedures.

Ability to instruct others in the use of survey methods, computer software as well as sophisticated field and laboratory equipment such as field mapping systems and surveying instruments, digital cameras and accessories, electronic test instruments, and electronic traffic monitoring devices. Ability to use equipment (e.g. all-terrain vehicles, boats and motors, snowmobiles) and undertake physically demanding field work in all types of weather conditions.

Job requires oral and written communication skills to respond to resource industry and internal inquiries

to provide reports, resource data and maps; make presentations, communicating and sharing information with professional staff and clients in resource management programs and partnerships; conduct field tours, training sessions and represent the Ministry at displays; and to present information/ideas and recommendations when dealing with industry, contractors and consultants.

Job requires planning and coordinating skills to organize, schedule and coordinate human and equipment resources (e.g. boats/motors, vehicle transportation, aircraft, base camp equipment) for field projects (e.g. interviewing users of forested environments) with resource agencies involved in natural resources assessment and management.

Freedom of Action:

Work is performed under the supervision/guidance of Research Scientist. Job works within the procedures and protocols of the research program design and works independently in coordinating the field study of the Human Dimensions of Resource Management research program. Work is reviewed as necessary for quality control and accuracy of data.