



JOB DESCRIPTION

POSITION TITLE	Environmental Water Technician	STATUS	Full-Time, Indeterminate
DEPARTMENT	Lands, Resources and Heritage	LEVEL	7
SUPERVISOR	Manager, Lands and Resources	REVISED	December 18, 2025

Context Statement

As an order of government in Canada, FNNND has the authority and responsibility to manage lands and resources within its Traditional Territory for the benefit of present and future generations, in accordance with the FNNND Final Agreement, Self-Government Agreement and FNNND Constitution.

Job Overview

Reporting to the Manager, Lands and Resources, the Environmental Water Technician supports and delivers environmental programming (for example, water chemistry and flow, fisheries, wildlife and vegetation) that supports decision-making to protect the lands and waters within FNNND's Traditional Territory. This includes collection and analysis of environmental data, data organization and interpretation, and reporting findings to FNNND, stakeholders, the Yukon Government and federal agencies. This role supports the Department's stewardship of FNNND's Traditional Territory and various long-term initiatives by providing technical environmental support. The incumbent requires strong wilderness travel skills and a willingness to be in the field across all seasons.

Main Duties and Responsibilities

1. Water Monitoring

- Collaborate with Department staff, partner organizations and consultants to develop and deliver annual and long-term water quality monitoring programs.
- Coordinate shared monitoring with the Government of Yukon, Carleton University and other partners that are co-developing and co-delivering water and environmental monitoring programs within FNNND's Traditional Territory.
- Procure and manage external funding in support of environmental and water monitoring needs.
- Develop systems to improve field data collection and environmental equipment maintenance.
- Provide training to Environmental Monitors and Land Guardians on improved monitoring and maintenance systems.
- Manage relationships with third-party labs conducting water quality analyses, including procurement and quality control.
- Ensure water quality sample integrity through appropriate storage, handling and chain-of-custody procedures.

2. Water & Environmental Laboratory

- Manage procurement, delivery and setup of laboratory unit and supplies.
- Manage consultants who are providing technical support, including procurement, licensing and the development of operations and training manuals.
- Coordinate with the Director of Capital and Infrastructure to manage contractors providing carpentry, plumbing and electrical services.

- Deliver training on operational procedures and safe work practices (developed by technical consultants) to Department staff and other laboratory unit users within the FNNND Government.
- Coordinate and conduct the setup of the laboratory unit, including storage of specialized and sensitive water quality monitoring equipment, chemicals and water quality testing equipment.
- Maintain, calibrate and track environmental monitoring equipment and field gear in accordance with established procedures.

3. Data Management

- Coordinate and collaborate on data management activities with the Aquatics Analyst.
- Manage all incoming water and environmental data from internal monitoring and monitoring conducted by industry, other governments and researchers.
- Conduct analyses of water quality data to support environmental assessments, land use planning and emergency/disaster responses.
- Collaborate with the Government of Yukon’s Water Resources Branch to ensure access to Government of Yukon’s water data.
- Assist in the procurement of environmental and water data management software that ensures safe and efficient storage of data.
- Develop a system for water and environmental data management using procured software.
- Train Department staff and consultants in using an environmental and water data management system.
- Develop and ensure smooth connections between existing data management systems (for example, CKK and Survey123) and new environmental and water data management software to ensure ease of access to information by Department staff.
- Prepare technical summaries, maps and monitoring reports to support internal decision-making, regulatory reviews and partner reporting requirements.

4. Environmental Assessment

- Review project proposals submitted through YESAB, Government of Yukon consultation and the Yukon Water Board, and provide comments that represent FNNND’s interests, rights and values and are consistent with technical knowledge and expertise in hydrology and environmental engineering.
- Advocate for FNNND’s interests, rights and values in meetings with YESAB, territorial and federal regulators and the Yukon Water Board.
- Support tracking and interpretation of water licence and permit conditions relevant to monitoring programs, as directed.
- Support scheduling, coordination and documentation of monitoring activities across multiple projects and partners.

Education and Experience

- Completion of a degree, diploma or certificate in environmental studies, science, resource management or a related field, along with 2–3 years of experience working in a lands and resources management setting (preferably in a First Nation government); an equivalent combination of education, work experience and on-the-job training may be considered.
- Experience in applying and working with environmental management legislation and regulatory regimes (Federal, Territorial and First Nation) in the Yukon.
- Experience working with the Government of Canada and the Government of Yukon on environmental and/or resource management matters.
- Knowledge of environmental issues in the Yukon, particularly related to mining and placer developments.
- Proficiency with Microsoft 365, including Word and Excel.
- Knowledge of the FNNND Self-Government Agreement and Constitution.
- Knowledge and understanding of FNNND and CYFN structures and role in national issues is an asset.
- Knowledge of FNNND culture, governance and community is an asset.

Management Skills

- Ability to work in an office and cross-cultural team environment with minimum supervision.
- Strong organizational skills and the ability to stay focused and on track.
- Strong written and oral communication skills.
- Strong research and records management skills.
- Able to handle confidential or sensitive information appropriately.
- Reliable and steady, with good judgement and a strong sense of ethics when making decisions.

Interpersonal Skills

- Able to deal with people sensitively, tactfully, diplomatically and professionally at all times.
- Good people and customer service skills, with the ability to communicate clearly in person and in writing.
- Use of tact and good judgement.

Direction/Decision-Making

While the Manager, Lands and Resources establishes the goals, objectives, priorities and expectations of this position, the incumbent is responsible for managing day-to-day workload requirements and achieving established goals and objectives. The incumbent's work is conducted in accordance with established scientific methodologies and established laws, policies and procedures. The incumbent works with project proponents on issues that are complex, and routinely deals with confidential information, which requires strict confidentiality.

Impact and Accountability

The incumbent's work directly supports FNNND's ability to steward and protect the natural environment in accordance with its laws, agreements and community priorities. Accurate monitoring, documentation and reporting are essential to informing decision-making, compliance oversight and environmental management. Errors or omissions may result in delays, increased risk to lands or waters, or the need for additional follow-up by the Department or Council. The incumbent exercises sound judgment within established procedures and seeks direction from the Director when issues arise that fall outside their authority or require clarification.

Working Conditions

The incumbent works both in the field and in an office environment, with a requirement to work and travel in inclement weather conditions, including long hours and weekends. Overtime may be periodically required, as is the need to respond to on-the-land emergencies. The incumbent may experience stress in meeting critical deadlines that require significant mental concentration, as well as when encountering angry or upset individuals with differing views on environmental issues. The role requires periodic travel in cramped, uncomfortable conditions (e.g. plane, all-terrain vehicles and snowmobiles), and requires handling and carrying field equipment (water quality monitoring, soil sampling, etc.) while walking long distances over rough terrain.

Key Personal Contacts and Contact Nature

Contact	Nature
Elders	Ensure traditional cultural rules are applied
Council	Provide Project related information.
Executive Director	Provide Project related information.
Manager of Lands and Resources	Direct supervisor, receive direction, provide reports.
Project Proponents	Exchange technical information and reports.

Supervised Employees

- none

Conditions of Employment

- pass a Criminal Records Check
- valid Class 5 Driver's License and Driver's Abstract (preferably Class 4).
- First Aid and CPR Level C (Wilderness First Aid preferred).
- Boat Operator Certificate (or willing to obtain).
- All-Terrain Vehicle (ATV) and Snow machine Operations Certificate (or willing to obtain).
- Electrofishing Certification (or willing to obtain).
- willingness to take training pertaining to the position.