



The Lake Winnipeg Foundation (LWF) is a non-profit, member-based organization that advocates for change and coordinates action to improve the health of Lake Winnipeg. We are seeking exceptional candidates interested in a career that will grow along with you, as our full-time **Field and Data Technician**.

This unique opportunity will be ideal for someone comfortable with data management and analysis and a strong interest in new water-monitoring technology. This position requires the ability to adapt to challenges in the field and work with the variability of environmental data collection. This position will appeal to a detail-oriented, highly organized and motivated young professional who is looking for the opportunity to use their scientific background to make meaningful impact on environmental policies and practices. If you love exploring data sets, learning about new technology and are described as an analytical problem-solver, we want to learn all about you.

Compensation for this position will start at \$45,000 - \$50,000 per year, depending on experience.

**Our expectations:**

Reporting to the Programs Director, the Field and Data Technician will:

- Collect, manage and maintain robust, up-to date data sets of phosphorus concentration, water flow and metadata to ensure data quality, traceability, and interoperability
- Analyze water-monitoring data from multiple sources to generate credible and useful information regarding phosphorus loading to Lake Winnipeg.

Your key responsibilities will include:

1. Water monitoring field work
  - a. Support the development of effective monitoring plans and conduct water sampling activities in southern Manitoba
  - b. Prepare and distribute sampling equipment for monitoring programs and train new and returning volunteers and partners
  - c. Manage and maintain hydrological sampling equipment to collect flow and water level data
  - d. Coordinate lab analysis of community-based water monitoring samples
2. Data management

- a. Maintain databases to support the analysis and online dissemination of credible phosphorus and flow data , including quality assurance and quality control
  - b. Review, prepare and compile interoperable data sets from multiple sources for data sharing and data analysis
  - c. Support ongoing development and use of digital data collection and data sharing tools (e.g. metadata app, Lake Winnipeg DataStream)  
Regularly review and update data management procedures and protocols to ensure best practices are followed
3. Data analysis and reporting
- a. Analyze LWF data and data from other sources to better understand phosphorus sources and land-use impacts on phosphorus loading
  - b. Generate information products and data visualizations, including maps and graphs
  - c. Using established templates, compile regional and network-level reports annually
4. Administration, planning and internal communications
- a. Communicate effectively and professionally with colleagues through established workplace communications tools and processes
  - b. Identify and support the development of funding proposals
  - c. Identify and participate in relevant professional development opportunities
  - d. Participate in learning opportunities to build individual and collective understanding of treaty rights and responsibilities, anti-racism, environmental justice and the impacts of colonialism

The successful applicant must demonstrate a combination of education and experience in ecology, environmental science, chemistry, engineering or agriculture. We are looking for someone with a strong understanding of scientific methodology, research principles and experimental design, and demonstrated experience in data management and statistical analyses. We are looking for a full-time, long-term employee and offer a competitive salary, vacation and benefits package. For further information about us, please visit: [www.lakewinnipegfoundation.org](http://www.lakewinnipegfoundation.org)

For a full job description, please email [apply@lakewinnipegfoundation.org](mailto:apply@lakewinnipegfoundation.org)

We recognize that racism and colonialism – past and present – are contributors to water-quality degradation and impede our collective efforts to protect Lake Winnipeg. These same forces create barriers to employment for historically, persistently and systemically marginalized groups.

Effective environmental advocacy must be anti-racist and decolonial. LWF is committed to building diversity, equity and inclusion into our board, staff team and membership base. To advance our mission, we need a broad range of expertise, knowledge and skills.

We encourage candidates with diverse backgrounds and perspectives to apply for this position. Hiring, compensation and promotion at LWF is based on skill, ability and experience needed for the position.

Interested applicants should forward their resume and cover letter by email to [apply@lakewinnipegfoundation.org](mailto:apply@lakewinnipegfoundation.org) (Subject: Field and Data Technician).

**Applications are due by end of day, Wednesday, September 21, 2022. Thank you for your interest. Only candidates to be interviewed will be contacted.**