



The Alberta Lake Management Society
PO Box 4283
Edmonton AB
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alms.ca

Position Title: LakeWatch Technician

Closing Date: February 16, 2025

Location: Edmonton, AB

JOB SUMMARY

The Alberta Lake Management Society (ALMS) is seeking an energetic individual with a biology or environmental science background for our LakeWatch Technician position. There are two positions to be filled. The position is best suited for new or recent graduates from a Bachelor of Science or technical diploma program. The work term will run for 5-6 months (full time from May to mid-October). The successful candidate will travel to select lakes throughout Alberta to collect water quality data in partnership with local citizen scientists. LakeWatch Technicians will be responsible for coordinating citizen scientists who are essential for data collection. The position has a strong fieldwork component and, though based in Edmonton, will involve considerable driving throughout the province. The primary responsibility of the LakeWatch Technician will be the delivery of the LakeWatch program, however the successful candidate will also support the delivery of additional ALMS summer programs related to lake monitoring and outreach initiatives. This position requires excellent personal skills, including communication and organization, to manage monitoring of the assigned lakes.

ESSENTIAL FUNCTIONS:

- Conducting water quality sampling and data collection for physical, chemical, and biological parameters from personal watercraft at lakes across Alberta.
- Coordinating and working alongside citizen scientists to assist with the collection of water quality samples.
- Educating local stewards and citizen scientists on water quality monitoring protocols and lake ecology.
- Collecting water samples for the early detection of aquatic invasive species including Dreissenid mussels, spiny water flea, and Eurasian watermilfoil.
- Calibrating and maintaining water quality monitoring equipment including multi-meters.
- Maintaining positive working relationships with volunteers and office staff.
- Timely processing, preservation, and delivery of water quality samples.

- Data and sample collection and validation according to Alberta Environment's Environmental Monitoring and Science Division protocols.

JOB QUALIFICATIONS:

- Suited to individuals looking for a challenging and rewarding summer experience where they can develop technical skills in water quality and utilize their interpersonal abilities.
- Possess a background in biology/environmental science (water quality/limnology experience is an asset).
- Exceptional communication skills to coordinate volunteers, and effectively communicate with supervisor and colleagues.
- Strong organizational skills and the ability to adapt to last minute schedule changes.
- Strong attention to detail in regards to protocol, documentation.
- Must be able to work independently and possess enthusiasm for working in various outdoors conditions (insect activity, inclement weather, rain, etc.).
- Willingness to camp (camping experience is an asset).
- Must be personable and be able to work collaboratively with co-workers, volunteers, and partner organizations.
- Must have a flexible schedule to accommodate field work (including potential weekends/evenings/holidays over the summer).
- Must be available full time from May to mid-October.
- Must possess a valid driver's license.

ASSETS:

- Knowledge of lake science including topics related to water chemistry, eutrophication, phytoplankton, zooplankton, invasive species, and/or hydrology.
- Experience conducting environmental education and outreach.
- Experience conducting environmental fieldwork.
- Work/volunteer experience related to public education/interaction.

WAGE:

\$23.00/hour.

Please submit a cover letter with résumé as one document to **Brittany Onsyk** at **programs@alms.ca** by 11:59 PM on February 16, 2025. In your cover letter, please indicate your

availability and highlight relevant education, work, and volunteer experience that demonstrate your qualifications for this position. Please also highlight your personal qualities suitable for this position and working with the public. Please clearly indicate how you meet the job qualifications.