



Who we are

The Water Security Agency is a unique organization in Canada - bringing together all of government's core water management responsibilities in one place. We manage the province's water supply, protect water quality, ensure safe drinking water and treatment of wastewater, own and manage 49 dams and related water supply channels, reduce flood and drought damage, protect aquatic habitat and provide information about water.

What we do

Ensure sustainable water use
 Protect water quality and quantity
 Protect aquatic ecosystems
 Forecast and reduce flood and drought damage
 Ensure safe drinking water and treatment of wastewater to protect our environment
 Develop, own and manage the province's water management infrastructure

When it comes to water, we provide a one window approach for Saskatchewan citizens.

By the numbers

- 1 head office in Moose Jaw
- 15 regional, dam site, and environmental services locations
- 24 primary surface water quality stations and many project specific water monitoring sites
- 49 dams, owned and operated
- 70 monitoring wells, reporting on aquifers since the 1960s
- 130 kilometres of water channels and gates
- 205 employees
- 283 stations in our hydrometric network, collecting data on stream flows and lake levels
- 588 wastewater facilities under our regulation



Summer Jobs

Each summer we hire students of environmental sciences. These field work assignments, supporting senior ecologists, will give you an excellent perspective on the career of an ecologist and the opportunities available.

Learn more at wsask.ca

#careers
 #ecologist
 #environmentalscience
 #workthatmatters
 #agrologist
 #roomtogrow

Ecologist

Do work that matters. We offer rewarding careers for graduates of Environmental Sciences with both undergraduate and graduate degrees. Your work will help Saskatchewan balance the need for a healthy and functional ecosystem with the human need for water.



Aquatic Habitat Protection (bachelor's degree)

You'll be part of our regulatory group that protects aquatic habitat from the impact of development in, or near, water in Saskatchewan. Provincial legislation requires individuals and corporations to obtain an aquatic habitat protection permit before conducting work in, or near, water. You'll review these applications for permits. Reviews may require site inspections. You'll guide contractors, consultants and developers, the public, and conservation officers to help them minimize or eliminate impacts of human activities on aquatic habitat.

Aquatic Habitat and Population (master's degree)

Our organization manages water levels and flows in Saskatchewan's lakes and rivers. The Aquatic Habitat and Population Ecologist insures that our activities do not have a negative effect on aquatic species or their habitat. In this position, you'll also advise our engineering and hydrology teams about environmental issues and provide direction on demonstrating due diligence, measures for mitigation, and requirement for permits to comply with provincial and federal regulations. You'll also lead field research to understand and address environmental concerns related to water management.

Aquatic Macroinvertebrate (master's degree)

Aquatic macroinvertebrates act as indicators of water quality - different types of macroinvertebrates tolerate different water conditions and levels of pollution. You will collaborate with our policy, engineering and planning teams to lead projects to study surface water protection alongside human activity. You'll identify environmental problems, design studies to address these issues, find external funding, collect data, and provide recommendations about how to proceed with development while conserving aquatic habitat.

Avian (master's degree)

You'll support our environmental responsibilities through ecological research and applied management. Your research and development of species specific management plans will reduce risks associated with human activities. You'll work on projects that range from Species at Risk, to waterfowl and wetlands. In this position you'll be able to apply your technical skills, participate in field programs, collect and analyze data, and prepare reports. Your customers are colleagues, other agencies and ministries, and special interest groups.

In-Stream Flow Assessment (master's degree)

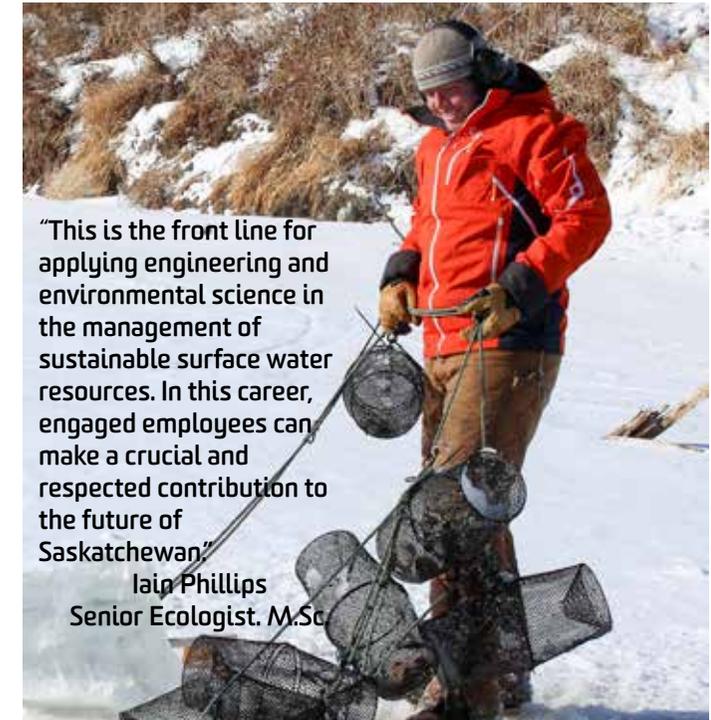
You'll examine the interface between water management and sensitive species, or Species at Risk. This work involves securing research funding from external partners and maintaining positive relationships with those partners. The four month summer field season will be busy with hiring and mentoring temporary employees and collecting data. Then you'll compile the data, analyze it, and prepare reports for funders.

Water Quality Ecologist or Scientist (Scientist requires a master's degree.)

As a Water Quality Ecologist or Scientist, you'll plan and conduct water sampling and manage and interpret the data collected. You'll be a source of technical expertise and information to colleagues and watershed stewardship groups, with your time divided between the office and the field. This position presents the opportunity to be involved in interesting data analyses and the important work of protecting water quality.

Water Resource Science (master's degree)

As a Water Resource Science Ecologist, you'll provide science and engineering expertise to inform water management decisions. The Ministry of Environment will refer to your expert reviews of environmental assessment proposals when issuing approvals for large scale resource development and industrial activities in Saskatchewan. The key objective of your work will be to minimize negative impacts of resource development and industrial activities on aquatic ecosystems.



"This is the front line for applying engineering and environmental science in the management of sustainable surface water resources. In this career, engaged employees can make a crucial and respected contribution to the future of Saskatchewan."

**Iain Phillips
Senior Ecologist, M.Sc.**

Agrologist (B.Sc. in Agriculture or Agribusiness)

Our agrologists work with agricultural producers, rural municipalities, watershed groups and First Nations on water management issues related to water quality, flooding and wildlife habitat. You'll provide technical advice, deliver incentive programs, and educate stakeholders on issues. Your work could include projects with landowners to restore wetlands, meeting with rural municipalities and regulators to help reduce the impact of agricultural drainage, advising landowners on seeding forage and reducing erosion, speaking at educational events for landowners, and conducting field work to study the impact of development on wetlands.