

**Alberta Conservation Association  
2007/08 Project Summary Report**

**Project name:** *Alberta Biodiversity Monitoring Institute (ABMI) River and Lake Data Collection Program*

**Project leader:** Tyler Johns

**Primary ACA staff on this project:** Nathan Carruthers, Marco Fontana, Tyler Johns, Jason Leatham, Chad Lyttle, and Jesse McNabb.

**Partnerships:**

This program was completely funded by the Alberta Biodiversity Monitoring Institute (ABMI).

**Key Findings**

- Six lakes and six rivers were sampled in 2007.
- Fish and invertebrate sampling was conducted.
- Limnological and aquatic habitat data was collected at all sampling sites.
- A complete listing of results is available on ABMI's website ([www.abmi.ca](http://www.abmi.ca)).

**Introduction**

This program is continuation of a partnership between the Alberta Conservation Association (ACA) and the Alberta Biodiversity Monitoring Institute (ABMI) developed in 2007 under which the ACA Fisheries Program manages and delivers the rivers and lakes sampling component of the ABMI aquatic program. Data collected as part of this program will be used to describe the state of Alberta's biodiversity and will facilitate the responsible management of our resources. A more detailed description of the program can be found on ABMI's website at [www.abmi.ca](http://www.abmi.ca).

**Methods**

We sampled a total of six lakes and six rivers across the province (Table 1) following methods described in the *River and Lake Data Collection Protocols* developed by ABMI (2007a,b). We collected fish using electrofishing, gill netting and seining. We also collected invertebrate samples and a variety of limnological and aquatic habitat measurements. ABMI conducted data analyses and complete results are available online at [www.abmi.ca](http://www.abmi.ca).

Table 1. List of ABMI rivers and lakes sampled in 2007.

Lakes	Rivers
Long Lake	Wabasca River
Shunda Lake	North Saskatchewan River
Shiningbank Lake	Paddle River
Unnamed Lake in Chinchaga Wildland Park	Chinchaga River
Kenilworth Lake	Vermillion River
Saskatoon Lake	Wapiti River

### Literature cited

Alberta Biodiversity Monitoring Institute. 2007a. River field data collection protocols, version 2007-12-20. Alberta Biodiversity Monitoring Institute, Edmonton, Alberta, Canada. Report available at: [abmi.ca](http://abmi.ca).

Alberta Biodiversity Monitoring Institute. 2007b. Lake field data collection protocols, version 2007-12-20. Alberta Biodiversity Monitoring Institute, Edmonton, Alberta, Canada. Report available at: [abmi.ca](http://abmi.ca).



ACA staff collecting aquatic data as part of the Alberta Biodiversity Monitoring Institute Program. Left to right: Jesse McNabb collecting aquatic invertebrates and Tyler Johns collecting algae. (Photo: Marco Fontana)



Jesse McNabb holding a burbot captured using electrofishing in the North Saskatchewan River.  
(Photo: Marco Fontana)



A helicopter in the process of slinging equipment to a remote reach on the Chinchaga River.  
(Photo: Jesse McNabb)