



ALBERTA INNOVATES

Research and Innovation Project – Knowledge Transfer Summary

Project Title:	Total Concentrations of Trace Elements in the Athabasca River: Critical Examination of their Relevance for the Protection of Aquatic Life
Project No:	2400
Project Lead:	William (Bill) Shotyk, University of Alberta
Partners:	Alberta Innovates, University of Alberta
Status:	Ongoing

Project Summary:

Discrepancies in results and interpretations of data in scientific studies on water quality in the Lower Athabasca River in the last decade can be partly attributed to differences in methodology and to differences in the indicators and reference guidelines chosen to evaluate environmental health and risk.

This project will undertake a critical review of published values of total and dissolved concentrations of trace elements in major rivers worldwide, selecting those which are geologically similar to the Athabasca River, and to compare these findings with Canadian and US guidelines values. The ultimate goal is to provide a geological perspective on the possible ecological relevance of total versus dissolved concentrations of trace metals in the Athabasca River.

Outcomes:

None available.

Links:

None available.

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