

THEME 2 **Projects by Watershed**

Projects supported by Alberta Innovates are protecting healthy aquatic ecosystems across Alberta's major river basins.





MUNICIPAL **FORESTRY**



ENVIRONMENT



AGRICULTURE

[PRIMARY WATERSHED]



NORTH SASKATCHEWAN RIVER BASIN



University of Alberta A geospatial tool for assessing watershed integrity and aquatic ecosystem health

SOUTH SASKATCHEWAN RIVER BASIN





University of Lethbridge Expanding functional flows —floods, floodplains and groundwater



University of Lethbridge Sustaining healthy river valleys: health assessment tools for the South Saskatchewan River Basin





University of Waterloo Wetland ecosystem functions—drivers, evaluation and management implications



Miistakis Institute

Supporting municipalities in the ecological management of water systems





Eastern Irrigation District Method development to apply potash to irrigation pipelines for the control of invasive mussels

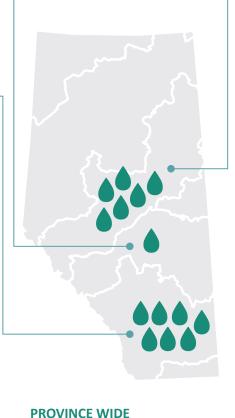




Alberta Agriculture and Forestry Nutrient objectives for small streams in agricultural watersheds of Alberta



Alberta Agriculture and Forestry Nutrient objectives for small streams in agricultural watersheds—Phase II



ATHABASCA RIVER BASIN





University of Alberta Trace elements in the Athabasca river and their relevance for the protection of aquatic life





University of Calgary COSIA-NSERC AI IRC Wetland Reclamation





University of Alberta Mammalian and zebrafish toxicity of raw and treated oil sands process-affected waters





Characterization of oil sands process-affected water fractions and their toxicity



University of Alberta

Bioavailability of trace elements in natural and industrial particles of the Lower Athabasca





Meta Analytical

Using passive samplers for ecological hazard assessment of oil sands process-affected water



testing into an Alberta-wide community-based monitoring program



University of Alberta

Integrating DNA-based

for Alberta



Ducks Unlimited Canada Alberta Wetland

Classification System Field Guide



C-FER Technologies Improving technologies for detecting submerged oil



University of Alberta Rapid multi-parameter assessment of natural recreational waters in Alberta

