# Alberta Conservation Association 2020/21 Project Summary Report

Project Name: Final Report Series

## Information, Education, and Communications Program Manager: Don Myhre

Project Leader: Don Myhre

Primary ACA staff on this project: Charmaine Brunes, Don Myhre, and Sue Peters

## Partnerships: N/A

## **Key Findings**

- Published:
  - Three Wildlife reports: Comparison of Water and Sediment Sampling Techniques for the Evaluation of Amphibian eDNA in Lentic Waterbodies in Alberta; Garter Snake (Thamnophis spp.) Surveys at Historical Den Sites in Alberta, 2017–2019; State of Knowledge for Alberta's Wolverine Population 2020: Literature Review, Density Estimate, and Gap Analysis
  - Three Fisheries reports: Angler Survey in the Berland River Watershed, Alberta, 2019; Angler Survey on the Clearwater and North Raven rivers, Alberta, 2019; Eastern Slopes Fisheries Inventory, 2018 2019

## Abstract

ACA's Fisheries and Wildlife Programs are responsible for submitting reports every year on the projects they have been working on to describe the findings of the work. Communications is responsible for coordinating the editing, proofing, and formatting of these reports and making sure they are available to the public and our stakeholders and partners through our website. Three Wildlife reports and three Fisheries reports were completed for 2020/21.

#### Introduction

Alberta Conservation Association's (ACA's) Fisheries and Wildlife Programs are responsible for submitting reports every year on the projects they have been working on to describe the findings of the work. Communications is responsible for coordinating the editing, proofing, and formatting these reports and making sure they are available to the public and our stakeholders and partners through our website.

#### Methods

Final reports are edited, proofed, formatted, and then posted on our website.

#### Results

Six reports from 2020/21 were posted on our website.

#### Conclusions

Once published, our project reports inform the public and our stakeholders about the results of our fish, wildlife, and habitat studies; recognize the efforts of our staff and the support of our contributing partners; and increase the public's recognition of ACA as a valuable conservation organization in Alberta.

#### Communications

- Posted reports on our website as they were completed (www.abconservation.com/publications/report-series/).
- Social media posts linking back to the online reports produced.



Comparison of Water and Sediment Sampling Techniques for the Evaluation of Amphibian eDNA in Lentic Waterbodies in Alberta



Alberta Conservation Association

Even for biologists, finding amphibians in a murky wetland can be tough. That's where environmental DNA or eDNA comes in. eDNA may be used to delect cryptic, rare, nocturnal and transient species, as well as individuals hidden from view, without the need to actually see the species. Read more in our final reports here -

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## Alberta Conservation Association

As part of the Eastern Stopps Fisheries Inventory project, we analyzed 987 fish This included 90 bulk trout ranging in size from 41 mm to 504 mm. This study provides current information on stream habitats, and the abundance and distitution of species within the James River and its information of species within the James River and its information of any stream of the species within the James River and its species that are particularly sensitive to habitat degradation, including bull trout.

Read the full report here -



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Despite their critical role in the lifecycle of Alberta's snakes, little is known about the conditions in snake dens.

Debaining reliable information on the location and occupancy of snake dens in Alberta is an important first step to minimize snake mortality and destruction of these important habitats. Check out the final 3-year project report "Gatter Snake Surveys at Historical Den Sites in Alberta" here -

