



Saskatchewan
Prairie Conservation
Action Plan

Prairie's Got the Goods Week!



The role of prairie lakes, wetlands and dugouts as carbon sources or sinks

Tuesday March 17th, 2020 at 12:00pm MST (GMT-06)
Presenter: Dr. Kerri Finlay, Associate Professor, Department of Biology,
University of Regina

Register for Free: <https://attendee.gotowebinar.com/register/3397470443645083138>
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More Information: SK PCAP: 306.352.0472 pcap@sasktel.net or www.pcap-sk.org

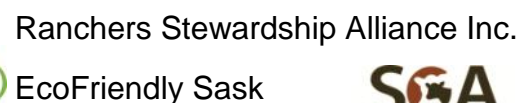
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Presentation Summary:

Aquatic ecosystems can act as either carbon sources and sinks, depending on their underlying biology and chemistry. Our research has found that water bodies in Saskatchewan, including lakes, wetlands, and dugouts, tend to be sinks of carbon dioxide in summer, but seasonal variability, and the consideration of other greenhouse gases (methane and nitrous oxide), can make some of these water bodies net sources. In this talk, I will discuss under what conditions lakes, wetlands, and dugouts act as net carbon sinks, and the management possibilities to maximize carbon uptake in prairie water bodies.

About Dr. Finlay:

Dr. Kerri Finlay is an Associate Professor in the Department of Biology at the University of Regina. Her research interests include water quality and greenhouse gases in small prairie water bodies, including lakes and small agricultural ponds (dugouts). She is currently investigating potential management options for improved water quality on farmland, and quantifying the potential of dugouts to act as carbon offsets. In 2017, Kerri initiated Citizen Science program for water quality testing, which has expanded to include over 40 sites across the province in 2019. This work engages local volunteers to sample and monitor lake and pond water quality.