



Mayatan Lake Management Association 2025 Annual General Meeting President's Report

Some highlights from the past year



Lakes of the Carvel Pitted Delta

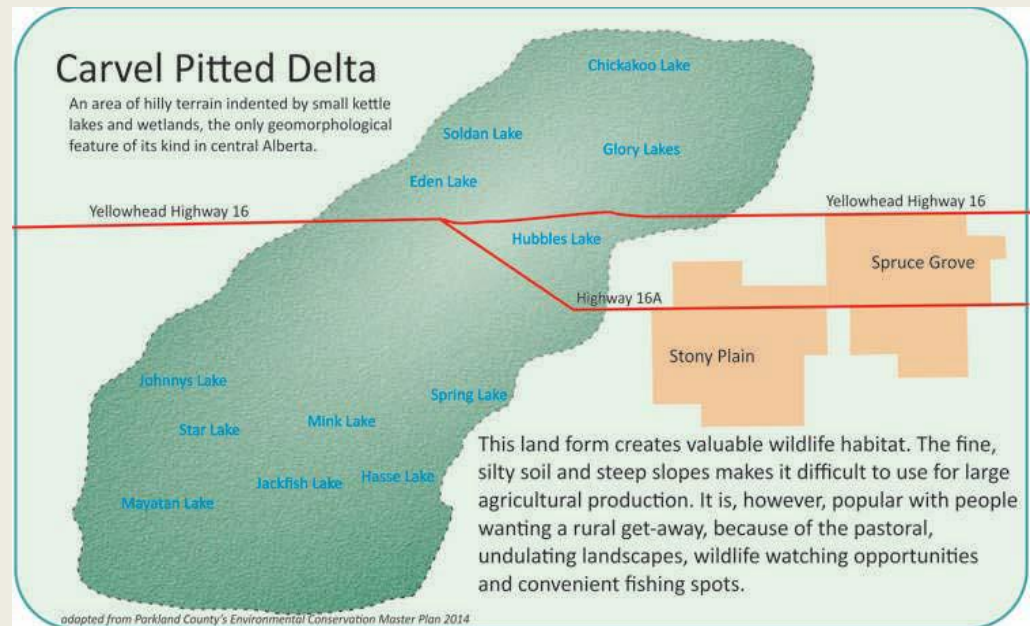


- Goals:
 - Develop a regional overview of the lakes in the Carvel Pitted Delta
 - Connect with landowners and other interested parties
 - Increase linkage with Parkland County
- Led by Dave Trew
 - 78 lakes surveyed since 2020
 - 7 dugouts surveyed in partnership with Parkland County's ALUS team



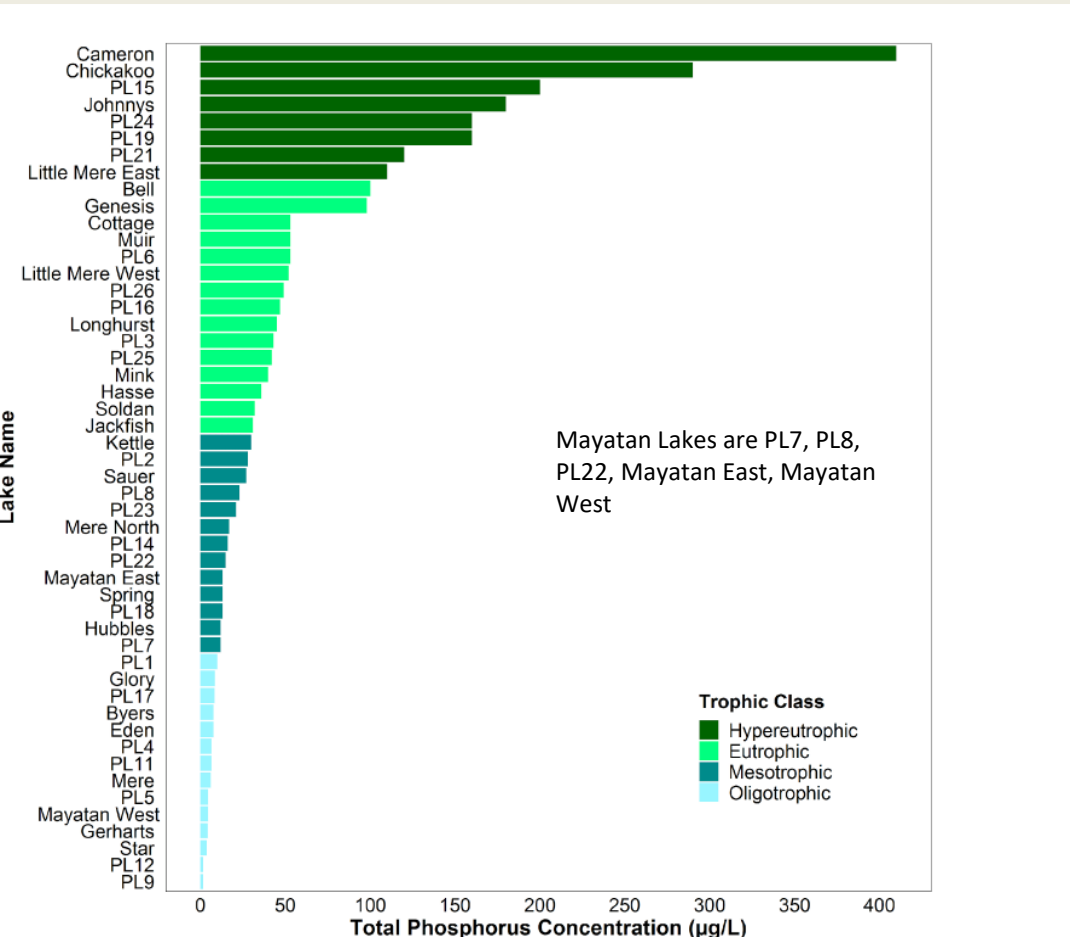
The Carvel Pitted Delta

- Unique landform within Parkland County
- Formed by the last ice age
- Over 100 water bodies
- All water quality data entered in datastream.org





The lakes in the survey vary greatly in

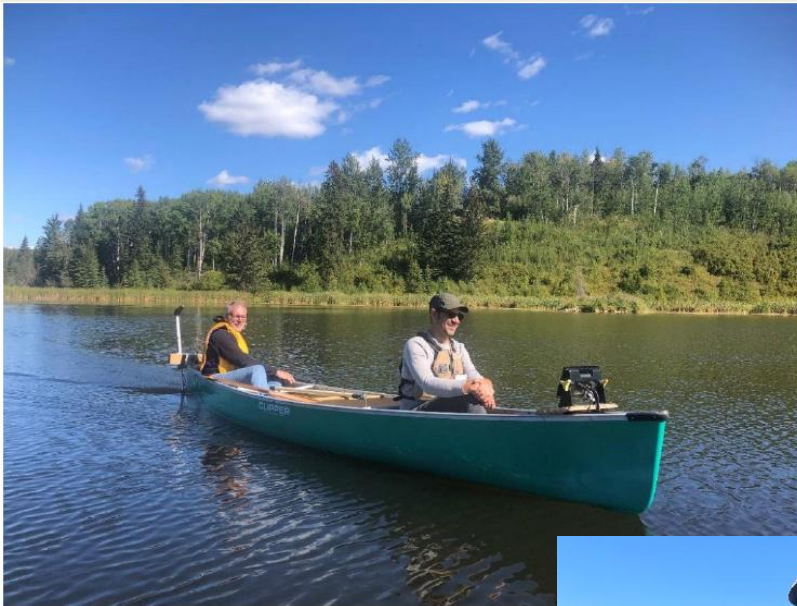


- Depth
 - Trophic Status
 - Water quality conditions
 - Hydrology
-
- Shown: Trophic status based on Total Phosphorus concentration (2023 Report)

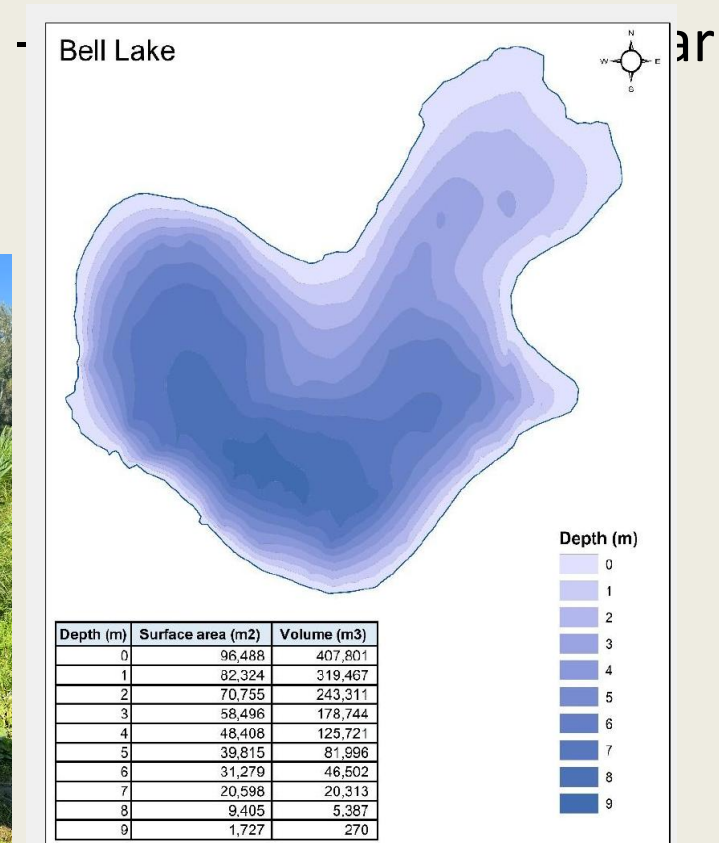


Bathymetry

- Bathymetry completed on over 35 lakes
- Led by Dave Mussell



Dave Mussell and Brian Smerdon





Reports

- Final Overview Report (est. Dec 2025)
 - Summarizes the work over the past five years
- Stand-alone Bathymetry Report (est. January 2026)
- Winter Testing Report



Lakes of the Carvel Pitted Delta -Stony Plain Region-



Overview Report (2025)



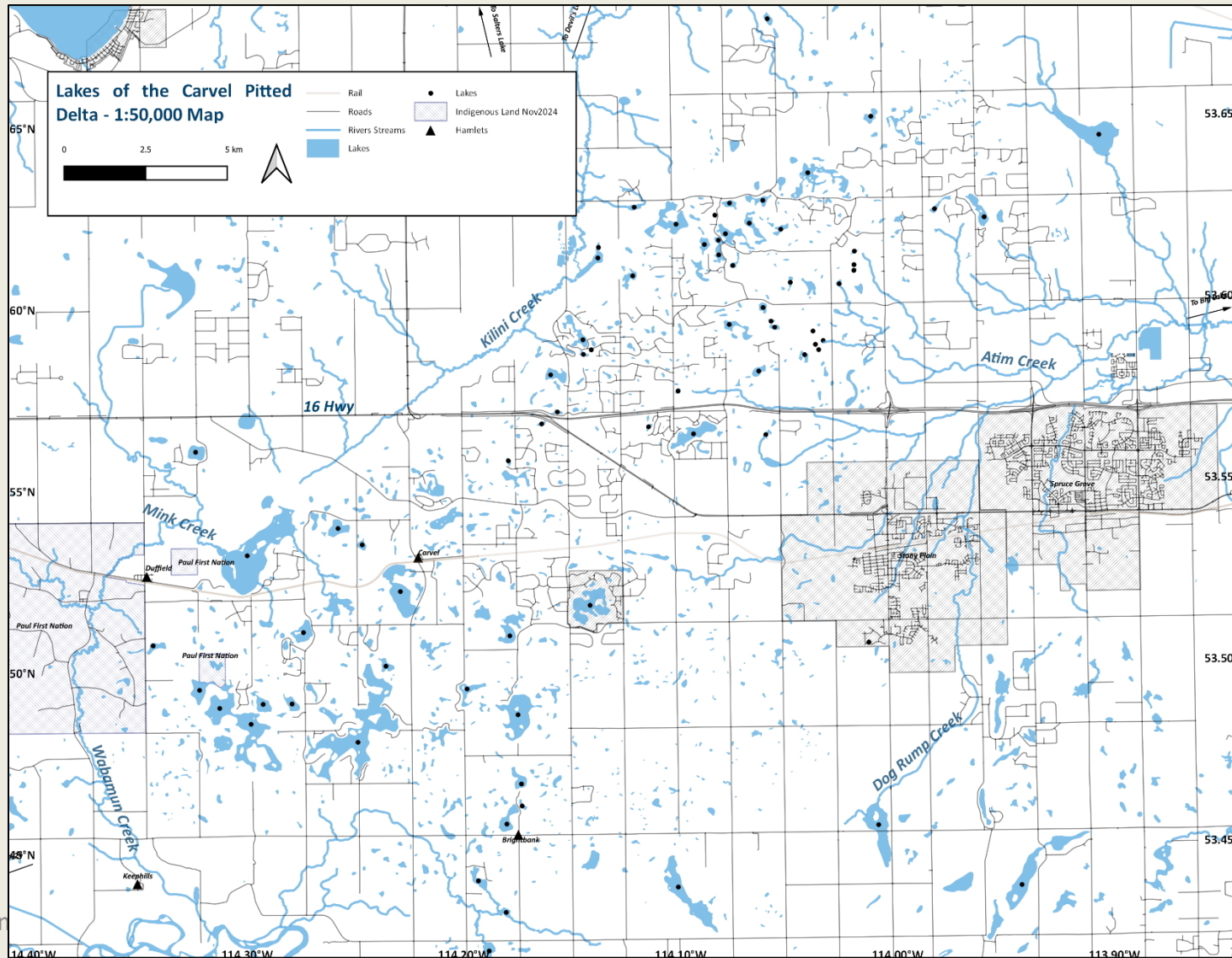
Video Production

- Four videos produced by Dave Mussell
- One new video in 2025
- First viewing today!





Many new maps produced

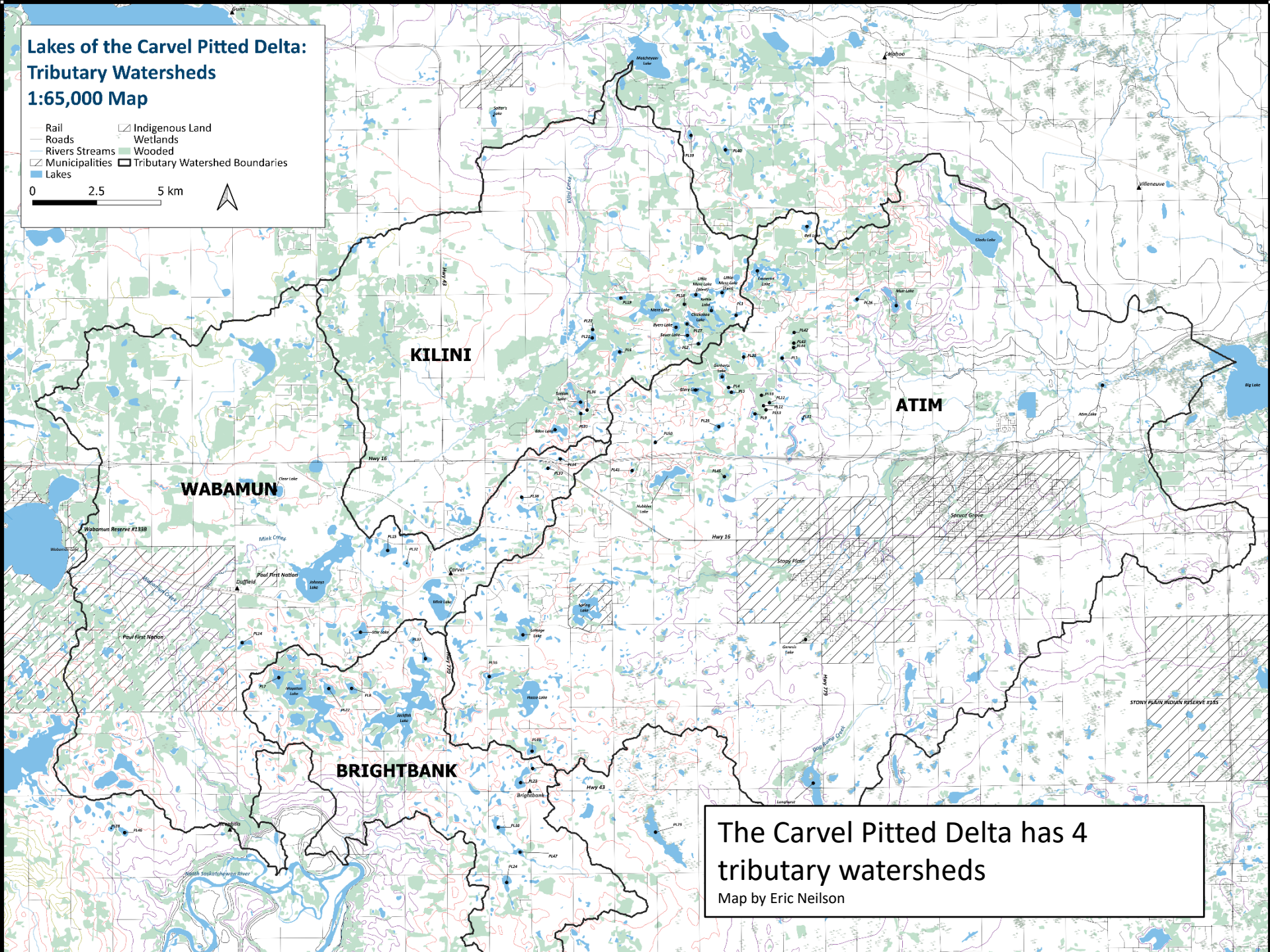


Map by Eric Neilson

Lakes of the Carvel Pitted Delta: Tributary Watersheds 1:65,000 Map

- Rail
- Roads
- Rivers Streams
- Municipalities
- Lakes
- Indigenous Land
- Wetlands
- Wooded
- Tributary Watershed Boundaries

0 2.5 5 km



The Carvel Pitted Delta has 4
tributary watersheds

Map by Eric Neilson



All products available on ALMS website

- <https://alms.ca/carvel-pitted-delta/>

Lakes of the Carvel Pitted Delta
-Stony Plain Region-



Summer Field Program - 2021

Classification: Protected A

Lakes of the Carvel Pitted Delta
-Stony Plain Region-



Summer Field Program - 2022

Classification: Protected A

Lakes of the Carvel Pitted Delta
-Stony Plain Region-



Summer Field Program - 2023



Review of Mayatan Lake Watershed Management Plan

- General Meeting April 6, 2025 to review goals of the plan
 - Member review confirmed the goals in the plan
 - Advice going forward:
 - Continue to focus on education and outreach
 - Continue to work on filling information gaps
 - Put more emphasis on projects at Mayatan Lake

 North Saskatchewan Watershed Alliance

Mayatan Lake Watershed Management Plan



July 2016

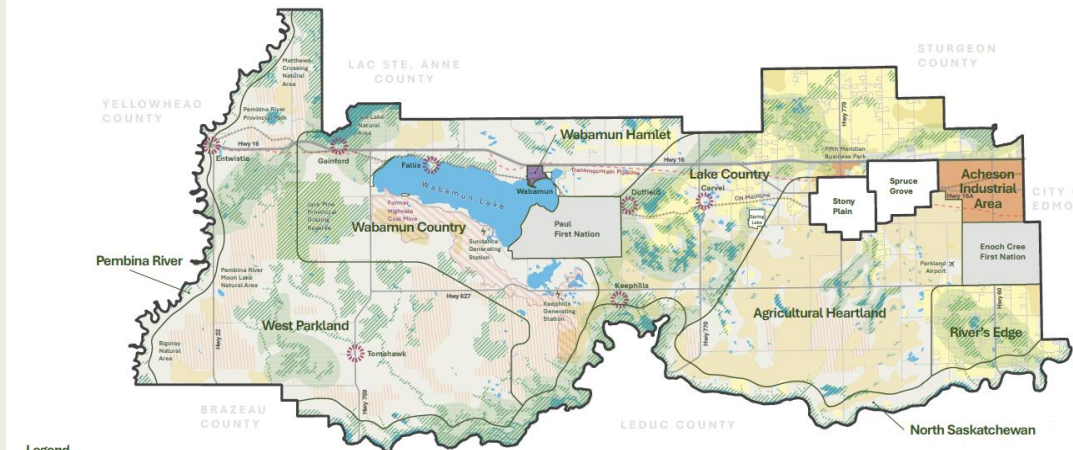


Parkland County MDP/LUB Update

- Provided input to Parkland County on updates to MDP and LUB
 - MDP now contains “Lake Country” Plan Area
 - *MDP states County should “Collaborate with lake management groups to monitor and manage lake health and encourage lake stewardship.”*

Parkland County Municipal Development Plan - Map Appendix

A. Development Concept





Mayatan Lake Level Monitoring (8th year)



- Star Lake and Johnnys Lake monitored for first time
- Lower lake levels in 2025
- Thanks to Al and Sandy Steinke, Pat and Tina Bichel, Myrna Neilson for recording



Boat launch and Roadside Clean-up

May 3, 2025



- Ditch cleanup at Mayatan Lake boat launch, along RR30, and on TwpRd 524 from Mink Lake to the Duffield Road
- Thanks to
 - Tara Doell for organizing
 - Parkland County for supplying materials and funding.



Parkland County Pond Days



- May 28-30, 2025
- 8 stations, two facilitated by MLMA
 - Pond Studies
 - Plant Identification
- Duffield, Graminia, and Westfield Schools
- Thanks to Tara Doell, Marilyne Allen, Dave Mussell, Conny Schuster





Summer Fun at Mayatan



- Get-together at Mayatan Lake August 30, 2025
- Entertainment supplied by Floyd Young and Dave Mussell
- Thanks to Rod and Jane Simpson for hosting





Presentation to ALMS Annual Conference

September 24-25, 2025

- Presented Details of the Carvel Pitted Delta Lakes Project
- Challenged ALMS to take a larger role in managing Alberta lakes





What's next for 2026?

- Complete Overview, Bathymetry reports
- Develop strategy for promotion and distribution of videos, reports
- New lake surveying:
 - eDNA?
 - More lakes
- Get to know new Parkland County Council
- Pond Days
- Roadside cleanup
 - For 2026: need more volunteers!
- Summer get-together
- ??? Input needed!



Fall survey of new lakes

Thanks to our sponsors and partners!



- Land Stewardship Center
- Parkland County
- ALMS
- NSWA
- University of Alberta
- Stony Plain Fish & Game Association
- Cabela's



Thank you!

