



PIGEON LAKE

watershed management plan 2018

A comprehensive, science-based strategy to coordinate action for the protection and improvement of Pigeon Lake, its shore lands and its watershed.

Working Together for a Healthy Watershed, Healthy Lake, and Healthy Community



LAND COVER
&
BIODIVERSITY



LAND USE
&
PHOSPHORUS
MANAGEMENT



CLEAN
RUNOFF



GROUND
WATER
QUALITY



SHORELINES



PIGEON LAKE
& IN-LAKE
MANAGEMENT



WORKING
TOGETHER

The Plan describes the priorities and concerns of all the communities around the Lake, has the endorsement of the Chiefs of the Maskwacis Cree Four Nations and Pigeon Lake Regional Chamber of Commerce, and has been adopted by the 12 local municipalities.

The Goal:

- Reduce the frequency and intensity of algal blooms
- Improve the health of the watershed and lake
- Improve the recreational value of the lake and economic health of the region

IMPLEMENTING THE PLAN

- Enhancing statutory plans, bylaws, agreements
- Filling knowledge gaps with science, monitoring, and technical investigations
- Advocating and providing education on best practices
- Promoting voluntary action in the community for the lake



Help preserve and protect Pigeon Lake
review the Plan & technical report
www.plwmp.ca

No silver bullet exists to reduce algal blooms. After assessing the science and extensive consultations, the community identified multiple strategies to improve the health of Pigeon Lake.



LAND COVER & BIODIVERSITY

OBJECTIVE 1: Increase land cover types (e.g. forest, wetlands) that have lower nutrient release rates, trap nutrients, and that promote biodiversity



LAND USE & PHOSPHORUS MANAGEMENT

OBJECTIVE 2: Improve phosphorus management for all land use activities to achieve a net reduction in nutrient runoff and promote biodiversity.



CLEAN RUNOFF

OBJECTIVE 3: Promote clean runoff practices to reduce the transport of nutrients to Pigeon Lake.



GROUNDWATER QUALITY

OBJECTIVE 4: Protect groundwater that feeds into Pigeon Lake.



SHORELINES

OBJECTIVE 5: Improve the health and resilience of the shoreline and near-shore areas.



PIGEON LAKE & IN-LAKE MANAGEMENT

OBJECTIVE 6: Improve knowledge about phosphorus and cyanobacteria dynamics affecting the lake to reduce phosphorus loading and the intensity of algae blooms.

OBJECTIVE 7: Investigate the feasibility and safety of in-lake options to reduce bloom formation and/or mitigate the effects of blooms and also to build local defenses against harmful invasive species.



WORKING TOGETHER

OBJECTIVE 8: Improve regional collaboration, partnerships and organizational effectiveness to promote collective action for a healthy watershed, healthy lake and healthy community.

In 2021 the Plan won two awards--an Emerald Award from the Alberta Emerald Foundation and an Alberta Professional Planners Institute Award of Planning Merit

"The merits of the Plan and the Award of Merit are strengthened by the many efforts to implement the Plan's recommendations."

Jane Dauphinee Principal & Senior Planner, Municipal Planning Services



Be part of the solution, join the Pigeon Lake Watershed Association, make a donation, assess your property or operation, and make beneficial changes for Pigeon Lake.

www.plwa.ca