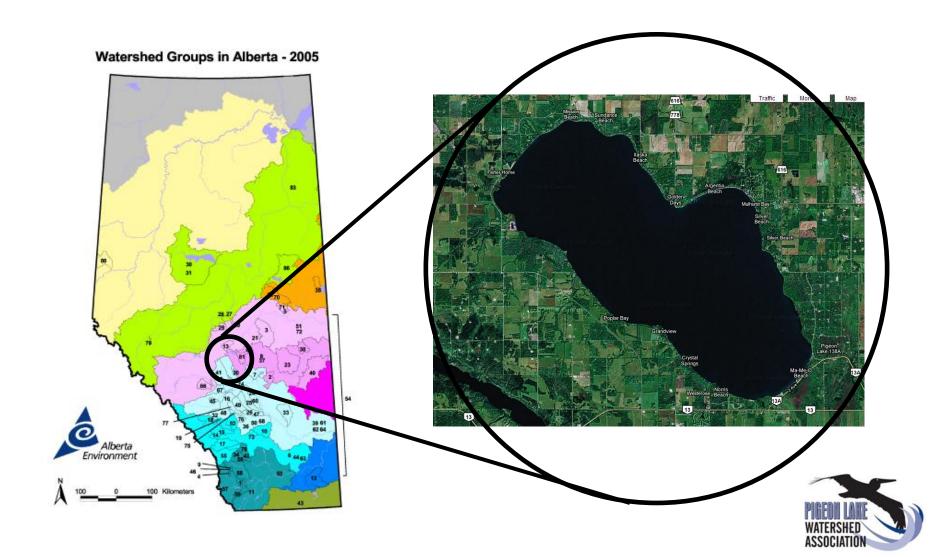


Land Use Conference 2018

Successful Partnerships in Action

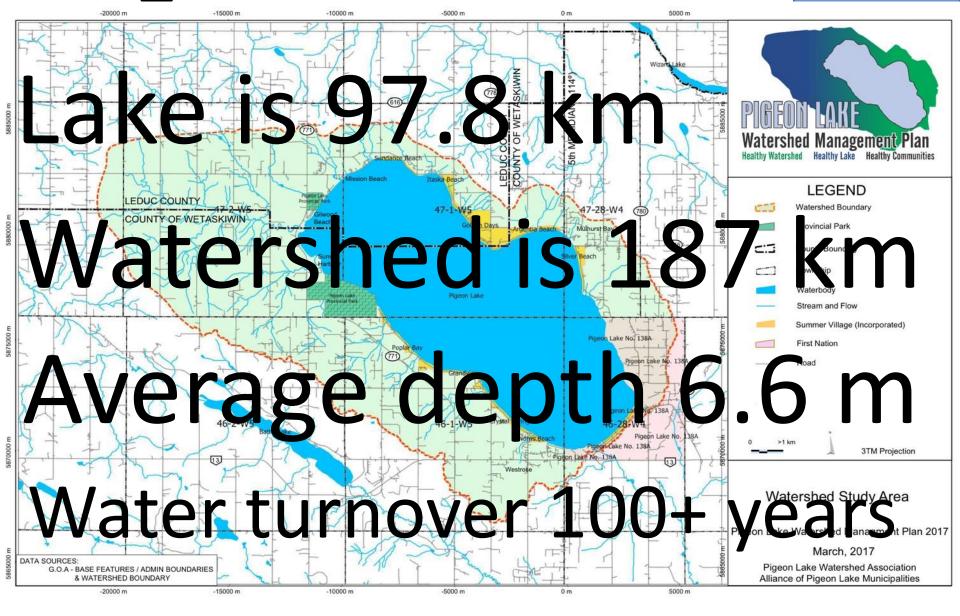


Pigeon Lake, Alberta



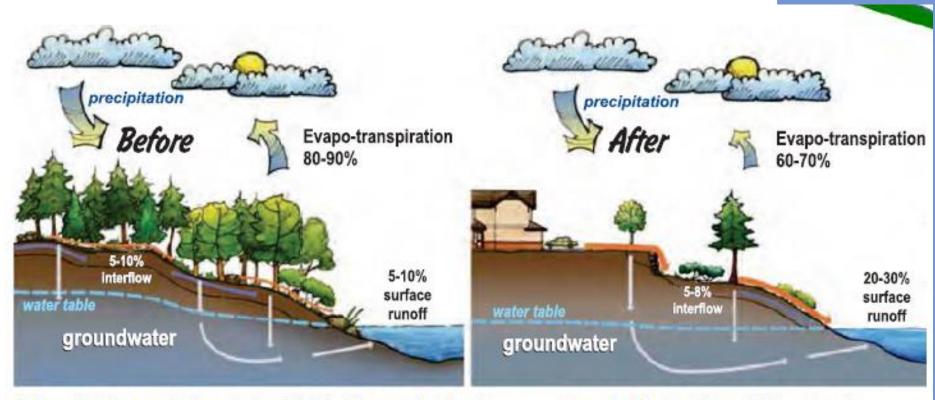


Pigeon Lake Quick Facts

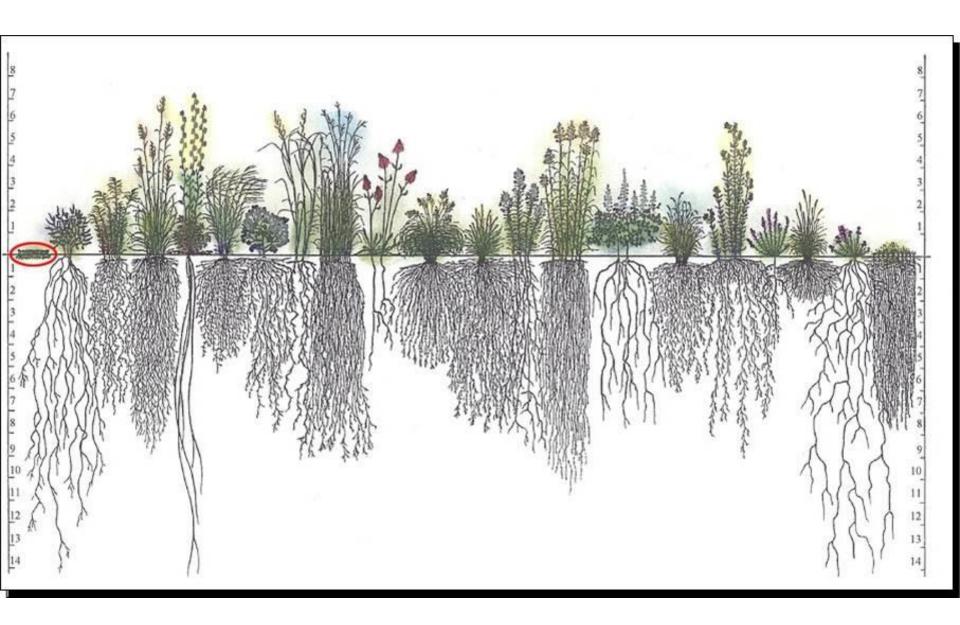


Prairie Pothole

Nutrient rich before development ...



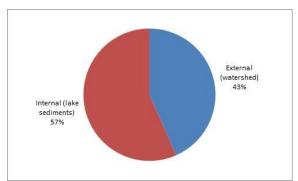
Before development almost all rainfall is taken up by plants, evaporates or infiltrates through the ground. After development, surface runoff increases significantly, carrying with it nutrients and contaminants.

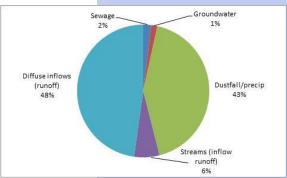


Probably most studied lake in AB

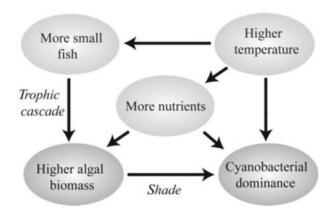
External Sources of Nutrients

(Runoff, Dustfall, Wastewater, etc.)





GoV of AB PL Phosphorus Report



Source: Global Change Biology (2012) 18 article "Warmer climates boost cyanobacterial dominance in shallow lakes cited by Dr. Vinebrooke in 2015 ALMS Conference.



PL 2008 Shoreline Assessment, GOA, ACA Environment Canada

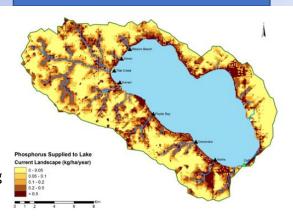
PL Phosphorus Runoff Modelling, Dr, Habib, Alberta Biodiversity Monitoring Inst 2016

Excess nutrients

In-lake dynamics

Changing Weather

Oxygen in the water columns



Living By Water (LBW) Homesite Consultations

318 Consultations
At Pigeon Lake
2008 - 2015
About 1/3 of all
consultations done
across Alberta









Tip 1: Find existing programs that could work for you too.

In 2012 and again in 2014 a developer proposed a 300 acre resort community

- 1,149 dwellings (single family, multi-family and mixed use)
- Commercial area
- Recreation area
- Hotel
- Doubled the watershed population in a few years

Collaborators

- PLWA Directors
- Summer Village Councillors
- AB Fish and Wildlife
- PLWA Members
- Other residents





Kids Healthy-Lake Education Programs

















Visit www.plwa.ca gallery to see more photos

Love the Lake Family Fun Day at the Provincial Park















Love the Lake Family Fun Day at the Provincial Park























The Team











Alliance of Pigeon Lake Municipalities

















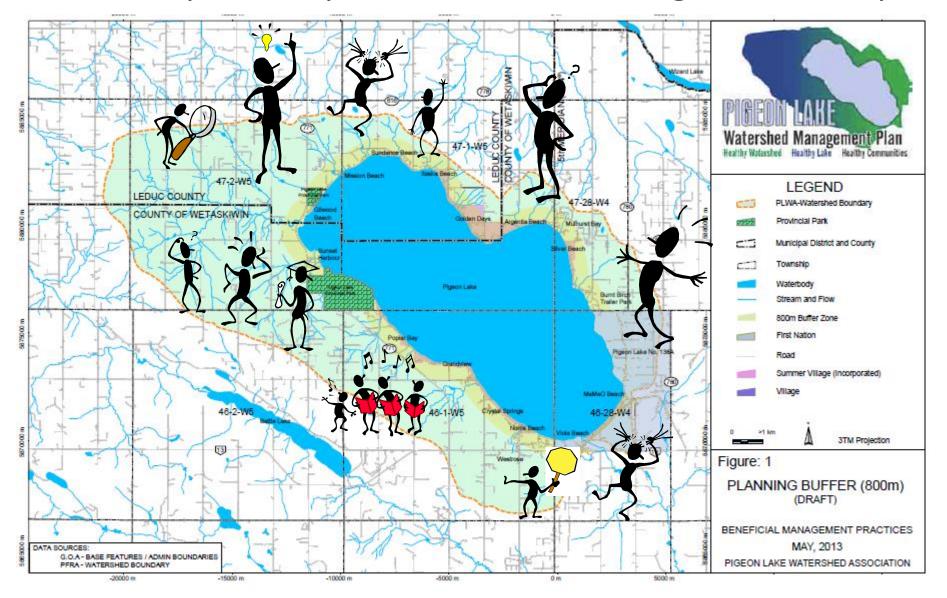






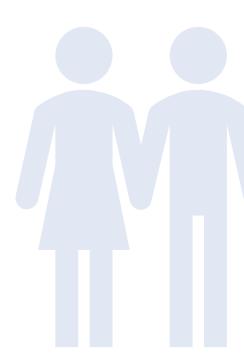


The People Complexities and Challenges are Many





Tip #2: You do not need everyone, just enough people.



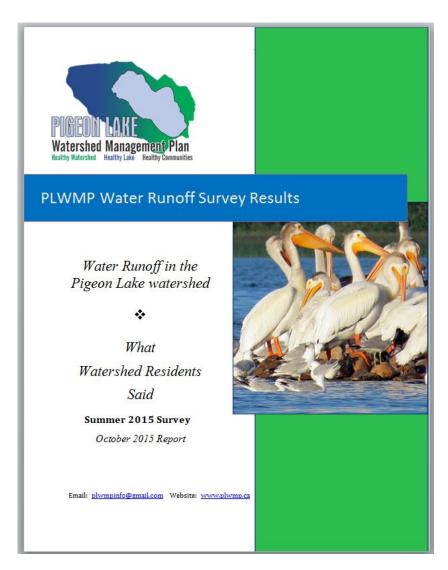
To Make Changes Happen... Enough Individuals MUST ...

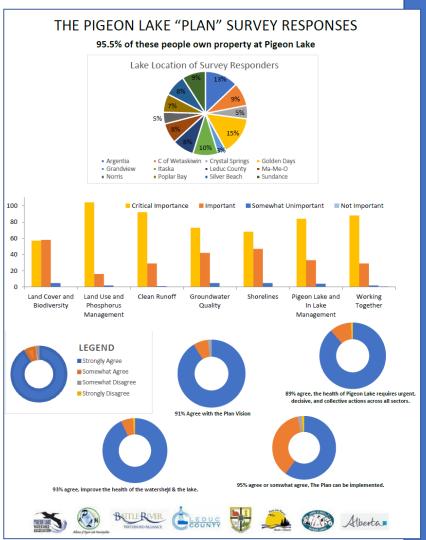


- BELIEVE changes should be made
- Be WILLING and,
- Be ABLE to make the changes

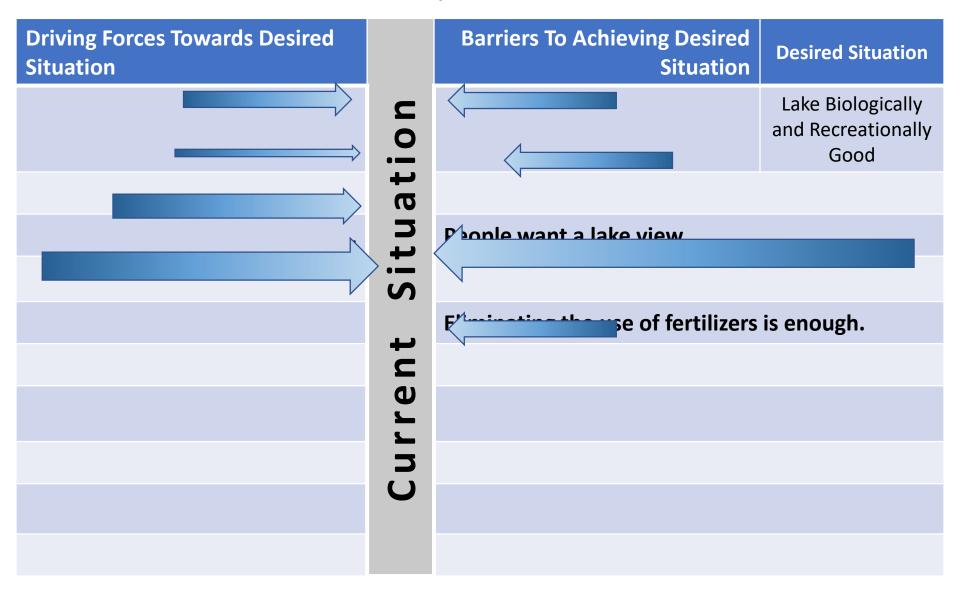


Tip 3: Ask people what they think.





Force Field Analysis (Kurt Lewin)









Get creative







Clean Runoff Survey We asked and People said ... tell us what, show and tell us how, make it easy, so that as many of us as possible will make a difference for the lake.





Preliminary Draft (March 31, 2016), For Internal Circulation and Comment





What About Mosquitoes?

Mosquitoes require water that is left undisturbed for a minimum of 7 days to successfully broad. The best way to keep the pests out entirely is by making sure the rain barrel has a lid or screen in place. Alternatively, simply stirring the water regularly will help prevent mosquito breeding. Other preventative measures include add

mosquito breeding. Other preventative measures include add soap or a half-cup of bleach to the barrel water (these minute your plants). Better yet, don't leave the water sitting there — p





















Tip 3: Seek people and organizations with expertise.

Like the ALIDP, Cows and Fish, a CA or a Judy Stewart

Build Capacity



Tip #4 Submit grants



Tip #5 Hire summer staff/students



Tip #6 Make friends with an accountant





Tip #7: Do what you can to get local leaders singing off the same song sheet.



PLWA Work is now ...

Implement the PL Watershed Management Plan recommendations.





















PLWA Recommendations The Land, the Shoreline & the Lake



LAND USE & PHOSPHORUS MANAGEMENT

PIGEON LAKE & IN-LAKE MANAGEMENT





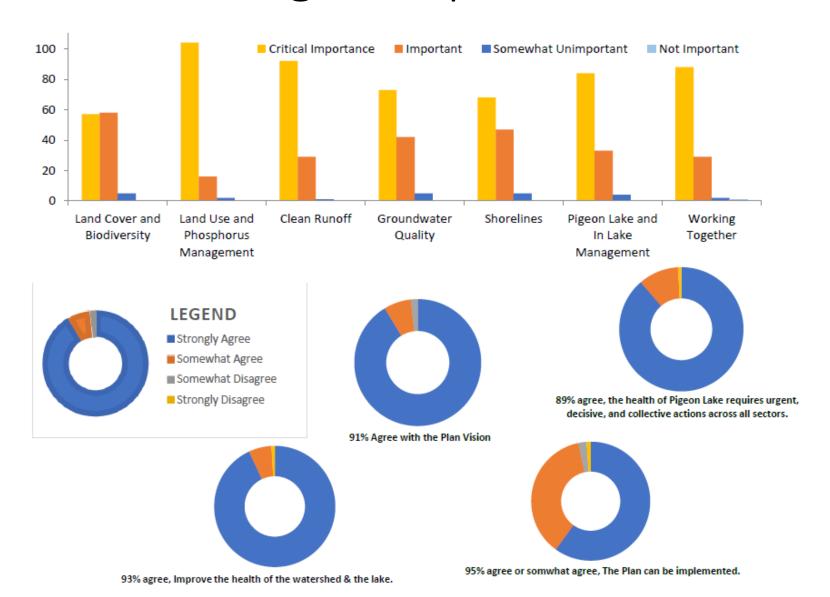
GROUND WATER QUALITY

1

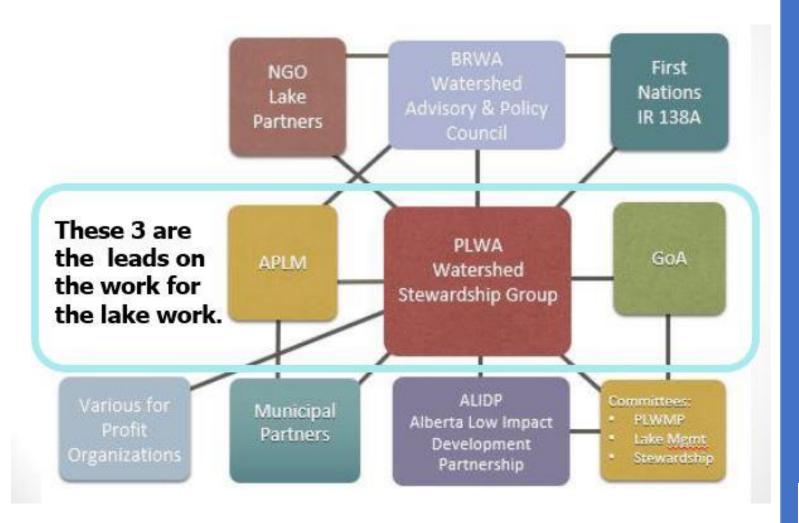
WORKING TOGETHER



Do Enough People Believe?



The Pigeon Lake Team





Engaging Communities

Heightening Awareness

Moving people to action

Growing the Support

Recognize Efforts

Motivating More People to Make Changes



Shared
Vision
Mamawo
Working
Group

Working Together





SAMSON CREE NATION

ERMINESKIN CREE NATION

LOUIS BULL TRIBE

MONTANA RAND

Final Tips

Ask Ask questions Be inclusive: Good, Be better, best practices. Spread the work Spread around. Take Take holidays Find time to enjoy Find the lake.



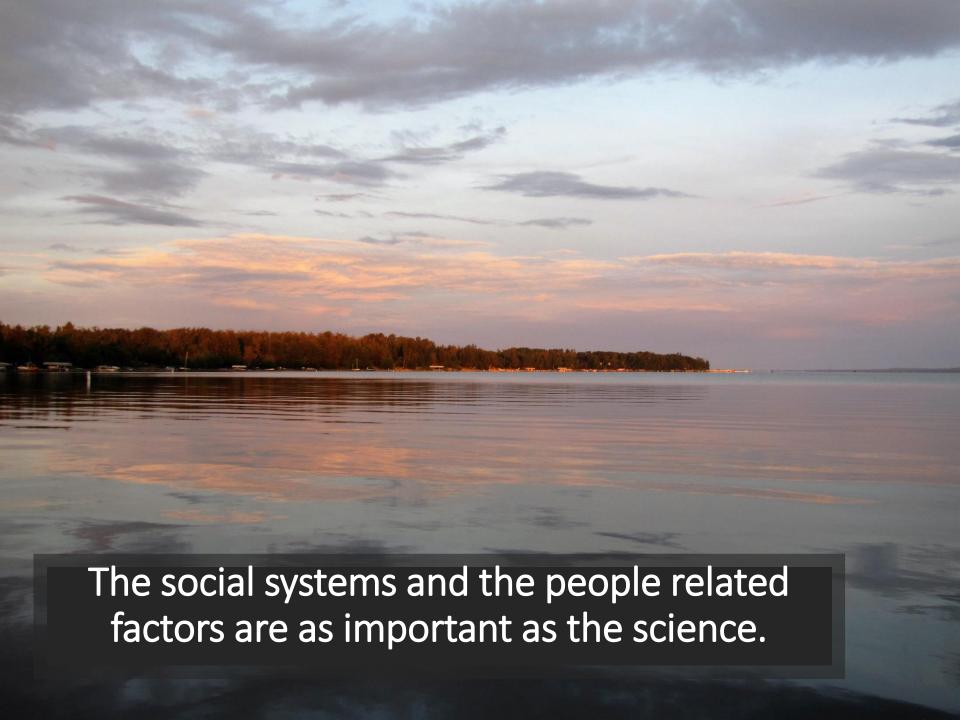


www.plwa.ca

Be Part of the Solution!







"Just a note of thanks for all of the good work you people are doing.

I'm currently involved in a couple of projects attempting to get people to do the right thing, and I've learned how difficult and thankless a task that can be.

I suspect you guys wonder at times whether or not anyone is listening, or if its making a difference.

Please know that more and more people ARE listening, and it IS making a difference."

Find more PLWA Information

www.plwa.ca

www.plwmp.ca

For further details...

See 2017 Annual Report

FB: PigeonLakeWatershedAssociation

Twitter: @PLWAinfo

