FARMING A HEALTHIER LANDSCAPE

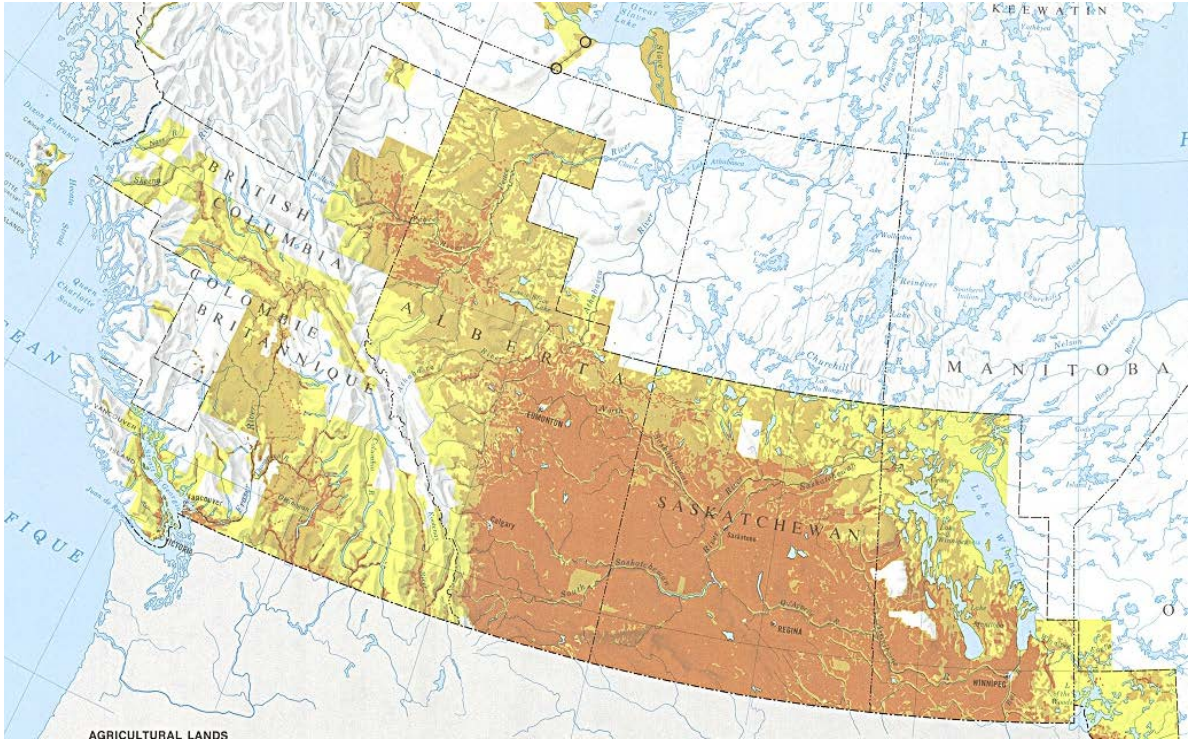
North Saskatchewan Watershed Alliance Forum
Presented by Howie Bjorge, P.Ag. - ALUS Canada Agrologist

Oct. 25, 2018 Clymont Hall – Spruce Grove, Alberta

ALUS Canada

A Weston Family Initiative

CANADIAN SETTLEMENT & DEVELOPMENT FOOTPRINT

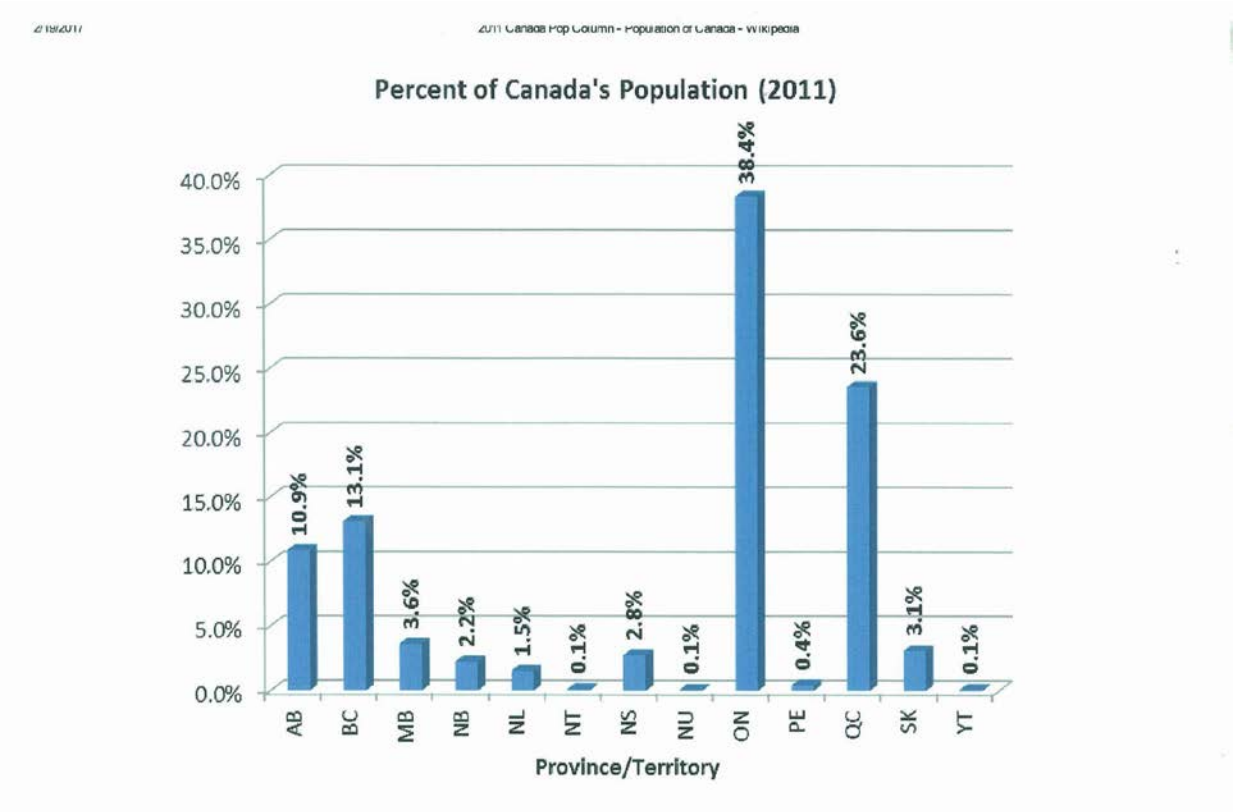


CANADIAN POPULATION

Historical population of Canada since confederation, 1867–2009

More details

PROVINCIAL POPULATION



INCREASE LANDSCAPE CARRYING CAPACITY

GREEN INFRASTRUCTURE

BALANCE BETWEEN CONSERVATION, RESTORATION (TURN BACK THE CLOCK) & ENHANCEMENT/CONSTRUCTION

WHAT HISTORIC TIMEFRAME DO WE RESTORE TO?

WILDLIFE ADAPTS TO LANDSCAPE

ALUS (ALTERNATIVE LAND USE SERVICES) IN CANADA

Producing NEW ACRES of environmental services on agricultural land in

- **PEI**
- **Quebec**
- **Ontario**
- **Manitoba**
- **Saskatchewan**
- **Alberta**

ALUS PRINCIPLES

1. COMMUNITY DEVELOPED
2. FARMER-LED AND DELIVERED
3. TARGETED
4. MARKET DRIVEN
5. VOLUNTARY
6. INTEGRATED
7. ACCOUNTABLE
8. SCIENCE-BASED

Partnership Advisory Committee ‘PAC’

ALUS Red Deer County

Complements other Conservation programs

- *Conservation Partners*
- *Green Acreages*
- *Environmental Farm Planning*
- *Growing Forward*

ECOSYSTEM SERVICES

HABITAT CREATION
RIPARIAN BUFFERS
POLLINATOR HABITAT
WINDBREAK/SHELTERBELT
EROSION CONTROL
SOIL AMENDMENT
WATER PURIFICATION
WILDLIFE CORRIDORS

WATER CONTROL
SEDIMENT CAPTURE
WATER RETENTION
FLOOD CONTROL
CARBON SEQUESTRATION
BIODIVERSITY ENHANCEMENT
AIR PURIFICATION
THE LIST GOES ON...

Twp 532A
Rge 11
SW-13-53-1-4
154.01 Acres
0.94Ha
2.31Ac
SE-13-53-1-4
152.36 Acres
5.38Ha
13.31Ac

ALUS CANADA MAJOR PROJECT AREAS

15,141 acres of wetland-related ecosystems
+4,725 since last year

13,882 acres of pollinator habitat
+3,849 since last year

3,637 acres reforested with native trees and shrubs
+960 since last year

Farmer-Delivered

Eco-buffers incorporate a variety of native trees and shrubs.

TREEz 4 BEEz

JUNE 7

Where'z it at?

Larry & Rosanne Bingham's farm (HWY 41 south of Vermilion)

When'z it happening?

June 7, 2017 from 9:30 am to 3:00 pm (includes FREE BeeBeeQ lunch!!)

What'z happening?

Help us plant the 1st MULTI-FUNCTION Eco-Buffer demonstration project for ALUS in CVR!

Guest Speakers from Agroforestry and Woodlot Extension Society, as well as Lloyd's Limb Service Inc. will talk about:

- function and importance of eco-buffers and shelterbelts
- how to design and create effective habitats for pollinators and wildlife
- tree and shrub care plus planting tips!

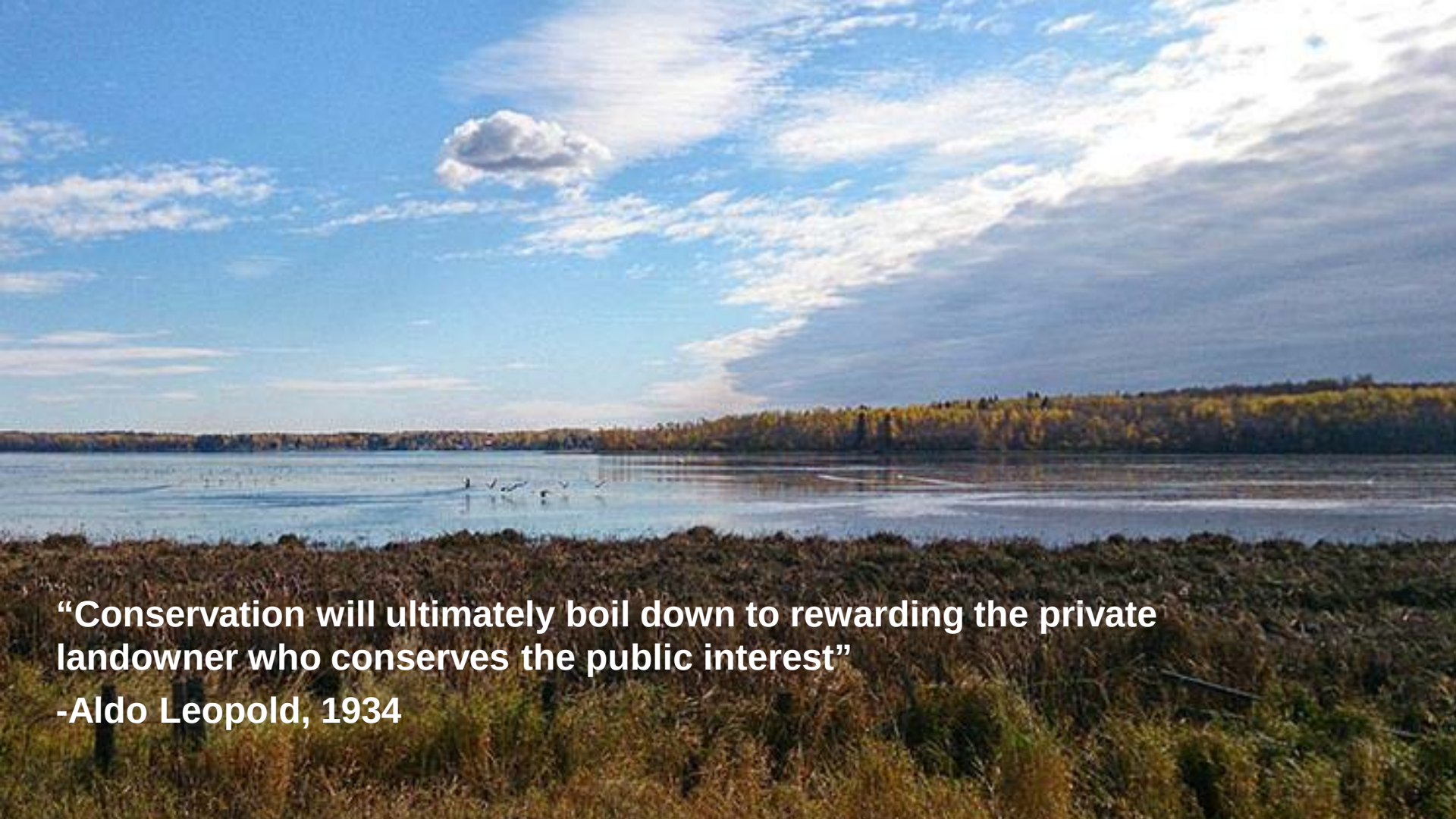
Contact Chris Elder, ALUS Coordinator at the CVR Office to REGISTER by June 1, 2017
celder@county24.com or 780-853-7844
Bring along a comfy lawn chair, gardening spade, work gloves and your enthusiasm for the environment!!
You don't want to miss this hands-on learning experience!

HOSTED by: ALUS Canada — A Weston Family Initiative; County of Vermilion River; AWES Agroforestry & Woodlot Extension Society

ECOSYSTEM SERVICES – RIPARIAN BUFFER

Sean
McGrath

Ed and Mary Parke



“Conservation will ultimately boil down to rewarding the private landowner who conserves the public interest”

-Aldo Leopold, 1934

Someone is sitting in the shade today because someone planted a tree a long time ago.
Warren Buffett

THANK YOU

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