

# Establishment of an Alley Cropping Demonstration on the Canadian Prairies

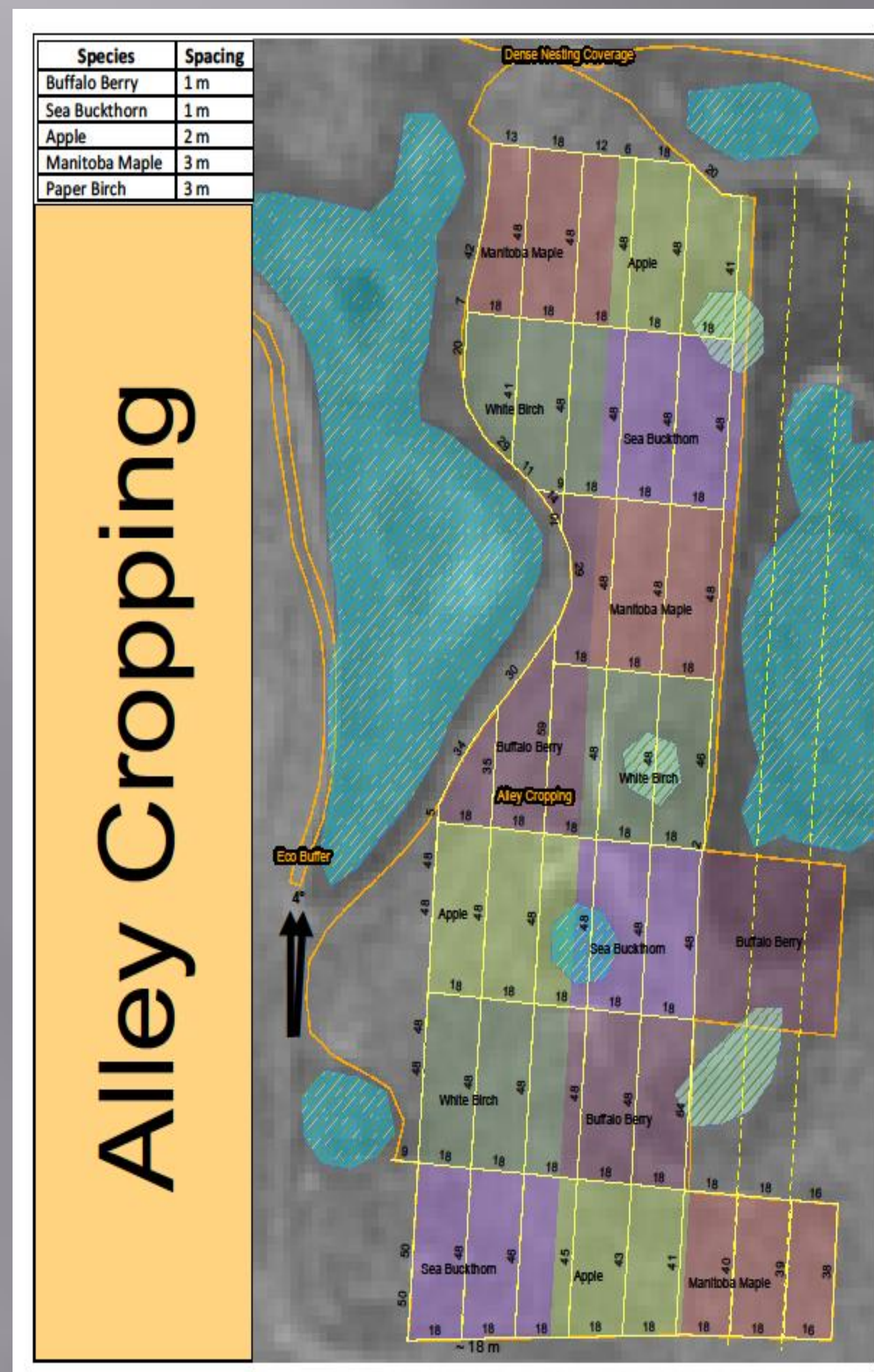
S. Poppy

“Intercropping or alley cropping, consists of planting trees at spacings that allow the cultivation of crops among them”

\*Temperate Agroforestry Systems, Gordon & Newman, 1997

## Project Details 2010

- planted June 18<sup>th</sup>
- 5 species
- 3 replicates
- 18m between tree rows
- 3.6 ha
- 1536 trees planted
- 89%-94% survival Sept.



## Location:

Central Saskatchewan

## Eco-region:

Boreal Transition

## Climate:

Cool Continental

## Soil Zone:

Black

\*Ecosites of the mid boreal ecoregions of Sask

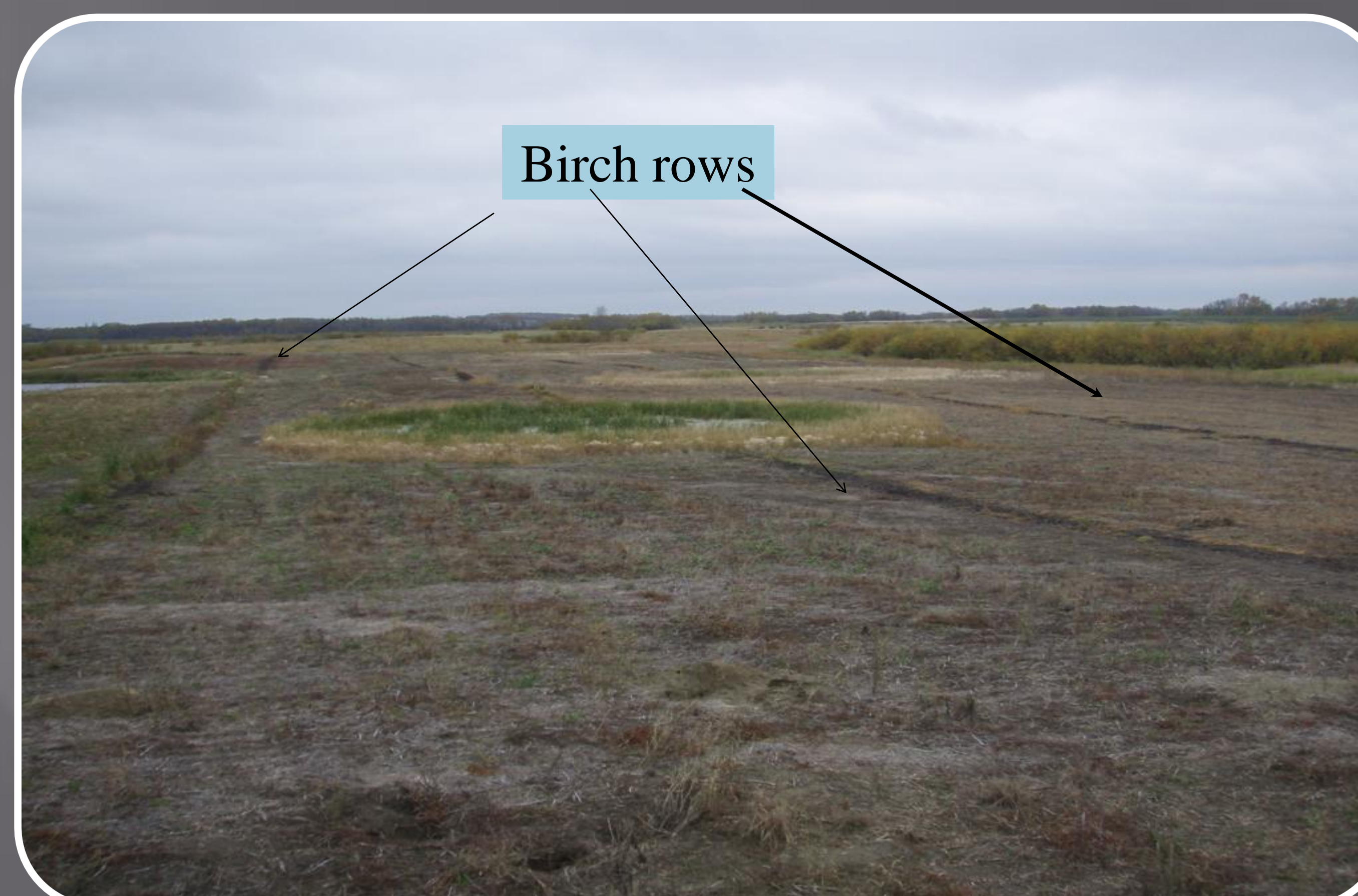


Species	Product
<i>Acer negundo</i>	Syrup
<i>Betula papyrifera</i>	Syrup/high value lumber
<i>Hippophae rhamnoides</i>	Berries (preserves and medicinal uses)
<i>Shepherdia argentea</i>	Berries
<i>Prunus sp.</i>	Fruit/ high value wood



Sea Buckthorn August 2010

**Project Purpose:** To establish the first recognized alley cropping research/ demonstration site on the Canadian Prairies. The demonstration will provide a model for First Nations, Métis, rural communities and small scale farmers that can be modified for their own lands. Adoption of similar systems has the potential to provide employment, economic, and numerous environmental benefits.



A soggy planting June 2010

**Contact Info:**  
 Shannon Poppy  
 Saskatchewan Research Council  
 101-1061 Central Avenue  
 Prince Albert, Sk.  
 poppy@src.sk.ca









