



CLIMATE CHANGE ADAPTATION PROGRAM

Runoff, Drainage & Erosion Project

Project Summary

Funding for this project has been provided by the Governments of Canada and British Columbia through the Canadian Agricultural Partnership, a federal-provincial-territorial initiative. The program is delivered by the Investment Agriculture Foundation of BC.

Opinions expressed in this document are those of the author and not necessarily those of the Governments of Canada and British Columbia or the Investment Agriculture Foundation of BC. The Governments of Canada and British Columbia, and the Investment Agriculture Foundation of BC, and their directors, agents, employees, or contractors will not be liable for any claims, damages, or losses of any kind whatsoever arising out of the use of, or reliance upon, this information.

DELIVERED BY

FUNDING PROVIDED BY



Date:
October 2019

Factsheet #1

Peace Agricultural Adaptation Strategies Working Group

The working groups consist of representatives from many Peace agriculture organizations including:

- ⇒ BC Branch Canadian Seed Growers Association
- ⇒ BC Grain Producers Association
- ⇒ BC Ministry of Agriculture
- ⇒ Peace Region Forage Seed Association
- ⇒ Peace River Forage Association of BC
- ⇒ Peace River Regional Cattlemen's Association
- ⇒ Peace River Regional District

The Peace Agricultural Adaptations Strategies Working Group is committed to delivering Climate Action projects in the Peace Region.

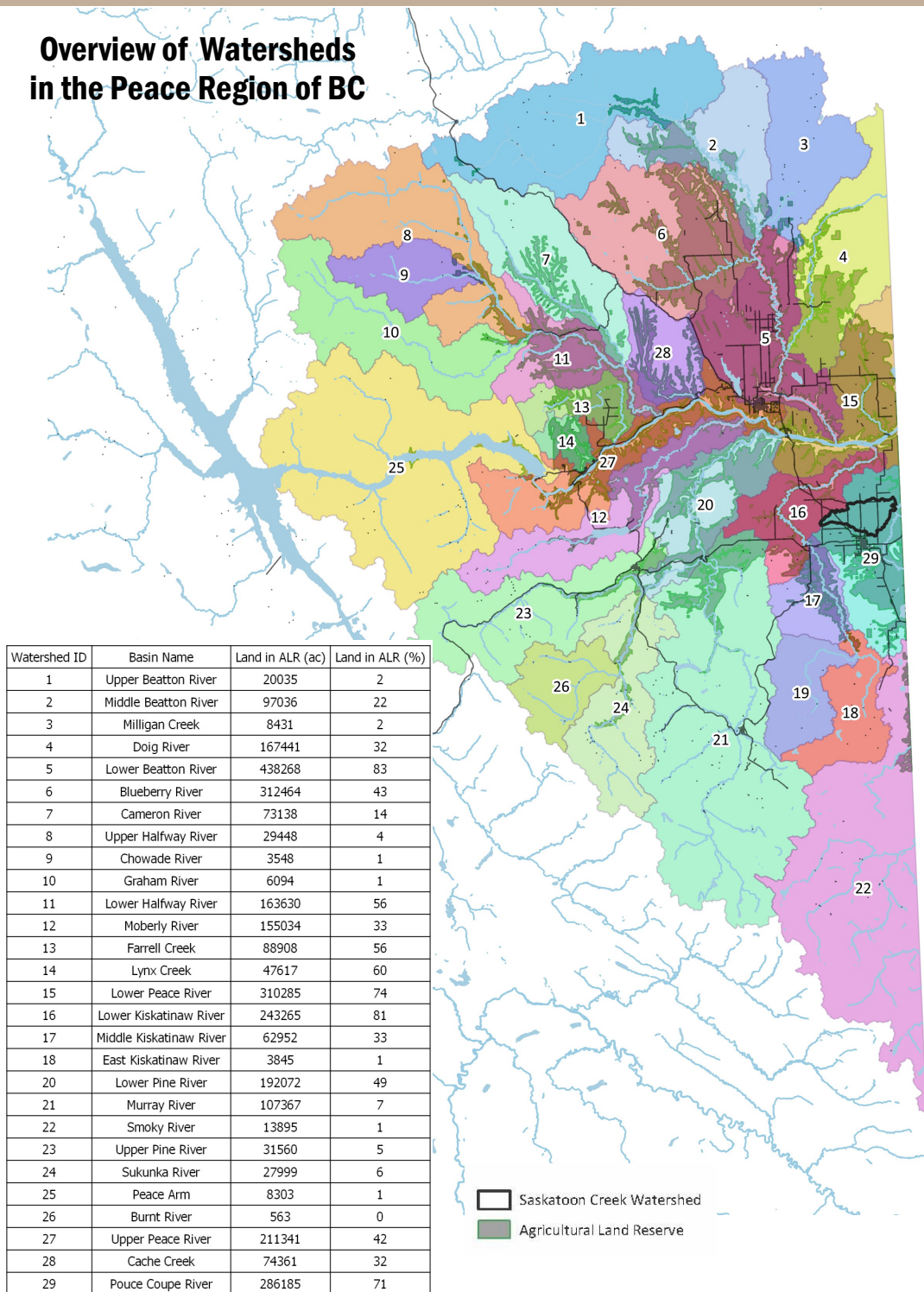
Project Factsheets:

- #1: Runoff, Drainage & Erosion Project
- #2: Erosion Risk Mapping
- #3: Conversations About Runoff, Drainage & Erosion
- #4: Soil, Water & Residue Management Tools

For More Information:

Factsheets & more info at
www.bcgrain.com
www.peaceforageseed.ca
www.peaceforage.bc.ca

Overview of Watersheds in the Peace Region of BC



Project Objectives:

1. Assess the extent and nature of current runoff, drainage and erosion management practices currently in use in the Peace.
2. Review & summarize relevant management practices that are not currently used in the Peace Region (but have potential for adoption).
3. Identify the management practices with the greatest potential (high applicability & economic feasibility) for adoption in the Peace Region.
4. Deliver information to producers through effective knowledge transfer.

Lead Contractor:

Julie Robinson
Forage Friendly Enterprises
julie@foragefriendly.ca
250 262 7576

Collaborators:

Matthias Loeseken, Blackbird Environmental
Sandra Burton, First Resource

Administered by:

BC Grain Producers Association

Overview of Project

This factsheet is a part of the deliverables for the Runoff, Drainage & Erosion Project. There are four factsheets in this series. (see side bar on front page)

The project term was from February 2019 to October 2019. The focus of the project was to summarize the current state of knowledge and management practices in the Peace Region. Contractors consulted with producer groups and individuals as well as industry specialists. A scan of other jurisdictions was also completed to identify management practices with potential application in the Peace. A summary document has recommendations for the next steps in research, pilot projects and on farm demos.

Background research relevant to the issues was compiled. A watershed approach was used and we learned there are 29 diverse and separate watersheds in the region (see map page 1). The Saskatoon Creek Watershed was chosen for a pilot to demonstrate how erosion and drainage risk maps can be produced (see Factsheet #2). It was then demonstrated how using a watershed and landscape approach can help target conversations about better management practices (see Factsheet #3).



2019 spring runoff in Saskatoon Creek Watershed.

Information was shared with producers about tools to reduce runoff and erosion (see Factsheet #4). At the time of writing, the feasibility of webinar technology is being explored to further extend the messages from this project.

Geographic Applicability

This study was conducted in the Peace River Region of BC and the approaches taken can be applied to other areas in BC.

Commodity Relevance

This study was conducted on agricultural lands in the Peace Region. It was cross commodity in scope with relevance to cattle / livestock operations, grain/ oilseeds, forage /grazing, and legume / grass seed production.

Project Timeline

February 2019 to October 2019

Compiled by: Julie Robinson, Matthias Loeseken & Sandra Burton

With contributions from: BC Grain Producers Association, Peace River Forage Association of BC, Peace Region Forage Seed Association, Canadian Seed Growers Association, Peace Region Cattlemen's Association, PRRD

Published & Circulated through: Runoff, Drainage & Erosion Project, a BC Climate Action Initiative Project

Funding for this project has been provided in part by the governments of Canada and British Columbia under the Canadian Agricultural Partnership, a federal-provincial-territorial initiative. Funding is administered by the Investment Agriculture Foundation of BC and the BC Agricultural Research & Development Corporation. This project is part of the Regional Adaptation Program delivered by the BC Agriculture & Food Climate Action Initiative.



Climate Action Initiative
BC AGRICULTURE & FOOD

