



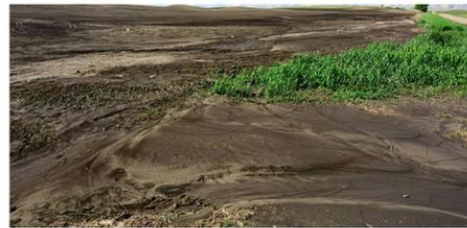
Saskatchewan  
Prairie Conservation  
Action Plan



*Virtual*

# NPRRW

Native Prairie Restoration Reclamation Workshop



**FEBRUARY  
8-10, 2022**

**RESTORATION, RECLAMATION, RESILIENCE -  
IMPROVING SOIL, WATER AND HABITAT**

# Downloadable Event Program

## 9<sup>th</sup> Native Prairie Restoration/Reclamation Workshop Schedule

All times are in Central Standard Time (CST)

	Tuesday, Feb 8 <sup>th</sup>	Wednesday, Feb 9 <sup>th</sup>	Thursday, Feb 10 <sup>th</sup>
9:00 – 9:30	Tradeshow/Poster session	Tradeshow/Poster session	Tradeshow/Poster session
	1. Session: Soil	5. Session: Water	9. Session: Habitat
9:30 AM	Welcome and housekeeping	Welcome and housekeeping	Welcome and housekeeping
9:40-10:30	Soil/Agriculture	Water/ Agriculture	Habitat/Agriculture
	1. a) Working together to build resilient soils and communities <b>Melissa Arcand, U of Saskatchewan</b>	5. a) Droughtproofing With the Stream Team <b>Rob Gardner</b>	9. a) Contribution of non-legume forbs to forage quality in mixed native grasslands <b>Roy Vera-Velez, U of Saskatchewan</b>
10:30-10:35	Break	Break	Break
10:35-11:25	Soil / Industry	Water/ Industry	Habitat/Industry
	1. b) Using Smart. Soil. Science. to Restore and Reclaim Hydrocarbon Contaminated Soil <b>Steven Siciliano, Environmental Material Science</b>	5. b) Phyto-remediation of Water Using Native Wetland Plants for Floating Islands and Constructed Wetlands <b>Steven Tannas, Tannas Conservation Services</b>	9. b) Use of access mats for the mitigation of industrial activities on mixedgrass soils and vegetation <b>Karen Thompson, Trent University</b>
11:25-11:30	Break	Break	Break
11:30-12:20	Soil/General Restoration	Water/ General Restoration	Habitat/General Restoration
	1. c) The why, what, and how of incorporating biocrusts into restoration <b>Mandy Slate, U of Colorado Boulder</b>	<i>Introduction provided by The Mosaic Company</i> 5. c) Natural wetland and constructed agricultural ponds as potential carbon sinks <b>Kerri Finlay, U of Regina</b>	9. c) Indigenous perspectives on Conservation Management <b>Kyle Bobiwash, U of Manitoba</b>
12:20-1:20	Lunch break/Tradeshow/Poster session	Lunch break/Tradeshow/Poster session	Lunch break/Tradeshow/Poster session

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	Concurrent Case studies		Concurrent Case studies			Concurrent Case studies		
1:20-3:30	<b>2. Julie MacKenzie - Forage U-Pick Activity</b>	<b>4. Steven Tannas - Ecological Health Assessment Protocol</b>	<b>6. Kathryn Hull, Cows and Fish - Bragg Creek Restoration</b>	<b>7. Melanie Toppi - Weed management</b>	<b>8. Student Meet and Greet</b>	<b>10. Bryana Nicolas, Native Plant Selection</b>	<b>11. Scott Beaton, Manitoba Habitat Heritage Corporation</b>	<b>12. Wrap-Up Discussion with Shirley Bartz</b>
3:30-4:00						NPRR Grant Announcement and Closing remarks		

**Case studies and discussion groups (detailed descriptions can be found on the PheedLoop platform)**

2. Case study: HELP! What's going to grow? *WE have a tool for that! Learning to use Forage U-Pick*  
Leader: Julie MacKenzie, Sask Forage Council
4. Case study: Ecological Health Assessment Protocol  
Leader: Steven Tannas, Tannas Conservation Services
6. Case study: West Bragg Creek Collaborative Stewardship Initiative and Riparian Restoration  
Leader: Kathryn Hull, Cows and Fish
7. Case study: Managing Leafy Spurge on a Southwest Saskatchewan Ranch  
Leader: Melanie Toppi, SODCAP Inc. & FWRWMA
8. Discussion Group: Student Meet and Greet  
Leaders: Becky Magnus, Renny Grilz, Lois Miller, Leanne Carlson, Heather Facette
10. Case study: Native Plant Selection  
Leader: Bryana Nicolas, Native Plant Solutions
11. Case study: Restoration of Cropland to Wildlife habitat - Balancing Conservation goals with Carbon Sequestration potential  
Leader: Scott Beaton, Manitoba Habitat Heritage Corporation
12. Discussion Group: Wrap-up Discussion  
Leader: Shirley Bartz

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**Participant Sponsors:** | Whitson Innovations Inc and Society for Range Management – Prairie Parkland Chapter

*Gamification Code: SUPPORT*

## Greetings from our Sponsors

### Greetings from the Eastern Irrigation District

The **Eastern Irrigation District** is pleased to support Saskatchewan Prairie Conservation Action Plan's Native Prairie Restoration/Reclamation Workshop. The Eastern Irrigation District encompasses an area of 1.5 million acres in southeastern Alberta and owns approximately 600,000 acres of this land with the majority being native grassland. The balance within the District's boundaries mostly consists of deeded dryland pasture and irrigated agriculture. Land owned by the Eastern Irrigation District is privately owned but managed with a multi-use philosophy and the majority of this land is leased to community grazing associations in support of our irrigators and the local cattle industry. Energy development, selected industrial development, wildlife habitat development, and public access are also allowed on our private lands in support of the local economy.

The Eastern Irrigation District is dedicated to providing water security and managing the District's diverse resources in a manner that will provide the greatest economic, social, and environmental benefit. We divert and convey water through a maintained and continually improved infrastructure system while providing good stewardship of District lands and promotion of agriculture and the local economy in a collaborative, informed, sustainable, and fiscally responsible manner through District policy and practices.

The Eastern Irrigation District would like to thank PCAP and the organizers for hosting such a valuable opportunity to share our knowledge and experiences. Enjoy the conference!



### Greetings from Enbridge

**Enbridge** has deep roots in Saskatchewan with significant assets and operations running from the Alberta border west of Kerrobert to the Manitoba border near Maryfield. We have a 65-plus-year history of contributing to Saskatchewan's economy and safely transporting the energy people want and need to support their everyday lives, to heat their homes, drive their cars and power industry.

That's why we're proud to support environment and education stewardship initiatives like the 2022 Native Prairie Restoration/Reclamation virtual workshop. Bringing a broad spectrum of stakeholders together, virtually, to exchange knowledge, share lessons learned and address challenges in native prairie restoration/ reclamation is particularly important during a time of climate change and a global pandemic.



## Greetings from the Faculty of Science at the University of Regina

On behalf of the **Faculty of Science at the University of Regina**, it is our pleasure to welcome participants to the Virtual Native Prairie Restoration and Reclamation Workshop and to be a sponsor of the Workshop. Although the conditions under which you meet this year are modified somewhat because of COVID, I am sure that the Workshop will continue to be the high-quality, informative event that it has always been. I commend you for your commitment to prairie issues, and I look forward to hearing about the outcomes of this year's Workshop. I wish you a successful meeting.



**Thank you to all of our speakers, case study and discussion group leaders and experts who have contributed their time and knowledge to this workshop!**

Melissa Arcand (University of Saskatchewan), Steven Siciliano (Environmental Material Science), Mandy Slate (University of Colorado Boulder), Rob Gardner, Steven Tannas (Tannas Conservation Services), Kerri Finlay (University of Regina), Roy Vera-Velez (University of Saskatchewan), Karen Thompson (Trent University), Kyle Bobiwash (University of Manitoba), Julie MacKenzie (M-over-C Land & Cattle Co. Ltd.), Kathryn Hull (Cows and Fish), Melanie Toppi (SODCAP Inc. & FWRWMA), Becky Magnus (Nature Saskatchewan), Renny Grilz (Meewasin Valley Authority), Lois Miller (Trace Associates), Leanne Carlson and Heather Facette (Parks Canada Agency), Bryana Nicolas (Native Plant Solutions), Scott Beaton (Manitoba Habitat Heritage Corporation) and Shirley Bartz (Balanced Environmental Consulting)

## **SK PCAP would like to acknowledge our NPRRW gamification prize donors:**

Acorn Naturalists, American Meadows, Blazing Star Wildflower Seed Company, Bushnell, Native Plant Society of Saskatchewan, Native Plant Solutions, Nature Saskatchewan, Regina Symphony Orchestra, Shakespeare on the Saskatchewan, Skinner Native Seeds, South of the Divide Conservation Action Program, Tunnels of Moose Jaw, The Better Good Store

### **9th Native Prairie Restoration/Reclamation Workshop Planning Committee**

Carolyn Gaudet (chair)	Saskatchewan Prairie Conservation Action Plan
Caitlin Mroz-Sailer	Saskatchewan Prairie Conservation Action Plan
Ashley Syrgiannis	SaskEnergy
Kayla Burak	Nature Conservancy of Canada
Laura James	Indigenous Services Canada
Rebecca Magnus	Nature Saskatchewan
Renny Grilz	Meewasin Valley Authority
Sean Asselin	Agriculture and Agri-food Canada
Sheila Taillon	Buffalo Head Environmental
Shirley Bartz	Balanced Environmental Consulting

This conference would not have been possible without the steering committee who dedicated countless hours during their work and personal time to plan this conference.

SK PCAP would not have been able to plan this workshop without their contributions and support.

### **Society of Ecological Restoration – Certified Ecological Restoration Practitioner Continuing Education Credits**

If you are part of the Society of Ecological Restoration – Certified Ecological Restoration Practitioner program, please note that the 8th Native Prairie Restoration/Reclamation Workshop was approved for 10 continuing education credits. To be eligible for credit, email Caitlin (caitlinmroz@hotmail.com) and we will track attendance at presentations to see if you are eligible for the continuing education credits. Upon request, your attendance sheets will be sent directly to SER for the credits.

*Gamification Code: REMEDIATION*