

## PROGRAM SCHEDULE

### Tuesday, February 19

ROOMS	Wellington AB	North Centennial	West Entrance Foyer	Embassy EF
2:00 – 5:00 pm	Art show setup	Poster board set-up Exhibit set-up	Registration	Pre-conference facilitated exercise by <b>Dr. Jeremy Pittman</b> : New & traditional conservation tools
6:30 – 9:00	Opening reception and art show	Poster set-up	Registration	

### Wednesday, February 20

7:30 – 8:30 am	<b>CONTINENTAL BREAKFAST AND REGISTRATION</b> - <i>North Centennial</i>			
8:30 – 9:30	Welcome, Conference Opening - <i>North Centennial</i>			
9:30 – 10:00	<b>Plenary 1: Trevor Herriott.</b> The Prairie Crisis – Moving the Ledger - <i>North Centennial</i>			
10:00 – 10:20	<b>HEALTH BREAK</b> - <i>North Centennial</i>			
ROOMS	Wellington A	Carlton Room	Wellington B	Embassy EF
	<b>SESSION 1: Prairie Bird Conservation 1 (R. Bazin)</b>	<b>SESSION 2: Prairie Butterfly Conservation (S. Petersen)</b>	<b>SESSION 3: Tools &amp; models for Conservation (C. Friesen)</b>	<b>SESSION 4: Restoration Planning, Monitoring (J. Pelc)</b>
10:20 – 10:40	<b>1-1.</b> Status of Red-headed Woodpecker in southern Manitoba: Can they persist without grazing? <b>K. De Smet</b>	<b>2-1.</b> Collaborative conservation for Endangered Poweshiek Skipperling: Working together to save a species. <b>M. Grantham</b>	<b>3-1.</b> MULTISAR – Enhancing habitat conservation strategies with GIS Solutions. Applying ArcGIS Model Builder & GVI to expedite wildlife surveys for SAR & management plans for producers in southern Alberta. <b>M. Verhage</b>	<b>4-1.</b> Habitat Restoration: Is it worth it? <b>M. Neumann</b>
10:40 – 11:00	<b>1-2.</b> Comparing population trends of grassland bird SAR between a large, intact native prairie & BBS data at multiple spatial scales. <b>N. Mahony</b>	<b>2-2.</b> Ex-situ prairie conservation in zoos: A case study of the Poweshiek skipperling, an endangered grassland butterfly. <b>L. Burns</b>	<b>3-2.</b> Evaluating grassland ecological function: Manitoba's new range & pasture health assessment method. <b>M. Elsinger</b>	<b>4-2.</b> Grassland restoration & preservation: Using sound ecological principals for establishing & maintaining native grasslands. <b>G. Koblun</b>
11:00 – 11:20	<b>1-3.</b> Grassland bird diversity & abundance responses to alternative grazing practices. <b>J. Randall</b>	<b>2-3.</b> Assessment of oviposition behaviour & larval microhabitat location for potential reintroduction of endangered Poweshiek Skipperling in tall grass prairie in Manitoba. <b>J. Henault</b>	<b>3-3.</b> Is the picture worth a thousand animals? Individual differences drive space use in prairie elk populations. <b>L. Newediuk</b>	<b>4-3.</b> Rescue the Fescue: Conservation & restoration of Waterton Lakes National Park's grasslands. <b>K. Pearson</b>
11:20 – 11:40	<b>1-4.</b> Enhancing grassland bird habitat in a semi-urban landscape. <b>R. Grilz</b>	<b>2-4.</b> Pesticides & the disappearance of Threatened & Endangered prairie butterflies. <b>E. Runquist</b>	<b>3-4.</b> Are you seeing the whole picture? Applied uses for LiDAR in biodiversity conservation & land management. <b>J. Becker</b>	<b>4-4.</b> Soil nematodes as bioindicators of restoration success in a northern fescue prairie. <b>V. Coffey</b>

11:40 am – 12 pm	<b>1-5.</b> Trials & tribulations from 40 years of grassland bird monitoring in southwest Manitoba. <b>K. De Smet</b>	<b>2-5.</b> Habitat characterization of Saskatchewan's Dakota skipper population. <b>K. Seidle</b>	<b>3-5.</b>	<b>4-5.</b> Integrating plants, roots, & soil nematodes to restore northern prairie ecosystems. <b>R. Otfinowski</b>
12 – 1:00 pm	<b>LUNCH - North Centennial</b>			
1:00 – 2:20	<b>Plenary 2: Chay Anderson, Robin Bloom, Tom Harrison, Jeff McManus, Sue Michalsky, Beatriz Prieto.</b> Lessons from the South of the Divide Conservation: Panel Discussion Facilitators: Sheldon McLeod & Karl Zimmer – North Centennial			
2:20 – 2:40	<b>HEALTH BREAK - North Centennial</b>			
<b>ROOMS</b>	<b>Wellington A</b>	<b>Carlton Room</b>	<b>Wellington B</b>	<b>Embassy EF</b>
	<b>SESSION 5: Advancing the SARPAL approach (C. Hullick)</b>	<b>SESSION 6: Public Engagement 1 (M. Olynyk)</b>	<b>SESSION 7: Land Management Techniques (G. Suggett)</b>	<b>SESSION 8: Restoration - Seeds (C. Murray)</b>
2:40 – 3:00	<b>5-1. C. Hullick, C. Graham, C. Artuso, &amp; producers TBD.</b> Panel discussion with audience	<b>6-1.</b> Ruminating on restoration: How a community approach to watershed health can drive success. <b>M. Erickson</b>	<b>7-1.</b> NCC's Open Standards-based approach to biodiversity conservation via adaptive grazing management. <b>A. Greenlay</b>	<b>8-1.</b> Native Seed Harvesting 101. <b>J. Morgan</b>
3:00 – 3:20	questions on how to advance SARPAL (Species At Risk Partnership on Agricultural Lands) & similar	<b>6-2.</b> Lake Winnipeg Indigenous Collective: Challenges & opportunities for Indigenous-led conservation efforts. <b>D. Gladu Kanu</b>	<b>7-2.</b> Water management on the Prairies: Green technology for water quality improvements. <b>B. Friesen-Pankratz</b>	<b>8-2.</b> Cheerios-Xerces-Skinner Native Seeds collaboration to rewild the working prairie with perennial pollinator habitat (Part 1). <b>S. Frischie</b>
3:20 – 3:40	approaches to incentivise ranching & conservation collaboration in grasslands.	<b>6-3.</b> Stewards of Saskatchewan: A look at over 30 years of habitat conservation for grassland SAR. <b>R. Magnus</b>	<b>7-3.</b> SAR monitoring & management in Manitoba Tall-grass Prairie: Lessons Learned. <b>M. Grantham</b>	<b>8-3.</b> Cheerios-Xerces-Skinner Native Seeds collaboration to rewild the working prairie with perennial pollinator habitat (Part 2). <b>J. Skinner</b>
3:40 – 4:00		<b>6-4.</b> Pronghorn conservation: A collaborative effort to help conserve the fastest mammal in North America. <b>M. Jensen</b>	<b>7-4.</b> Integrated invasive species management – multiple arrows in the quiver. <b>R. Grilz</b>	<b>8-4.</b> InnoTech Alberta Native Plant Program: Past learnings, current gaps & future opportunities. <b>A. Goyal.</b>
4:00 – 4:20		<b>6-5.</b> Ellis Bird Farm: A Success Story. <b>M. Pearman</b>	<b>7-5.</b> Selective shrub mowing to maintain & enhance upland tall-grass prairie for SAR at the Manitoba Tall Grass Prairie Preserve. <b>C. Borkowsky</b>	<b>8-5.</b> A new restoration network in Manitoba. <b>J. Pelc &amp; M. Olynyk</b>
4:20 – 6:00	<b>DEDICATED POSTER SESSION AND CASH BAR - North Centennial</b>			
6:00 – 9:00	<b>BANQUET, SILENT AUCTION AND EVENING PROGRAM - North Centennial</b>			

## Thursday, February 21

7:30 – 8:15 am	<b>CONTINENTAL BREAKFAST AND REGISTRATION - North Centennial</b>	
8:15 – 8:30	Opening remarks of the day - <i>North Centennial</i>	
	<b>Plenary 3: Regenerative Agriculture – North Centennial</b>	
8:30 – 9:05	P3-1. <b>Christy Morrissey.</b> Beyond pesticides- a systems level solution for agriculture and the environment	
9:05 – 9:40	P3-2. <b>Ryan Boyd.</b> Applying the Principles of Regenerative Agriculture in Manitoba	
9:40 – 10:00	<b>HEALTH BREAK - North Centennial</b>	

ROOMS	Wellington A	Carlton Room	Wellington B	Embassy EF
	<b>SESSION 9: Regenerative Agriculture (D. Morrison)</b>	<b>SESSION 10: Big-picture Planning (K. DeSmet)</b>	<b>SESSION 11: Multiple SAR Management (C. Church)</b>	<b>SESSION 12: Biological Effects of Management (J. Kelly)</b>
10:00 – 10:20	<b>9-1.</b> Effect of neonicotinoid insecticides on mass & behaviour in common farmland birds. <b>M. Eng</b>	<b>10-1.</b> Managing for diversity on MHC Lands. <b>T. Moran</b>	<b>11-1.</b> A multiple SAR management, recovery & research framework in tall-grass prairie. <b>C. Hamel</b>	<b>12-1.</b> Influence of management strategy ecological service providing insects in the tall grass prairie ecosystem. <b>R. Miller</b>
10:20 – 10:40	<b>9-2.</b> Supporting native bees by revegetating agricultural margins with native wildflowers. <b>M. Elsinger</b>	<b>10-2.</b> Valley of grass: Conservation efforts in the grasslands of the Souris River valley. <b>L. Kontzie</b>	<b>11-2.</b> MULTISAR: Species at Risk Partnerships on Agricultural Lands (SARPAL). <b>B. Downey</b>	<b>12-2.</b> Responses to weather & land management gleaned from 20 years of monitoring of two rare tallgrass prairie orchids in Manitoba. <b>B. Bleho</b>
10:40 – 11:00	<b>9-3.</b> Beneficial insects in prairie cropping systems: synergies for biodiversity and agriculture. <b>P. Galpern</b>	<b>10-3.</b> Collaborative adaptive rangeland management: A case study in private-land stewardship. <b>A. Dwyer</b>	<b>11-3.</b> SARPAL: Voluntary management changes & the economics of alternate livestock water sources on ranches in Alberta's Grassland Natural Region. <b>K. Cartwright</b>	<b>12-3.</b> Climate & grazing effects on root biomass in Manitoba, Saskatchewan & Alberta grasslands. <b>D. Steinaker</b>
11:00 – 11:20		<b>10-4.</b> Coming together for recovery of multiple SAR: Grasslands National Park works with neighbours to achieve beneficial grazing. <b>M. Sliwinski</b>	<b>11-4.</b> In Defence of Wildlife: Approaches to Species at Risk Management on CFB Suffield. <b>A. Moores</b>	<b>12-4.</b> Bison as ecosystem engineers in the Aspen Parkland. <b>P. Tarleton</b>
11:20 – 11:40	<b>9-5.</b> Regenerative Agriculture Panel – questions to all speakers	<b>10-5.</b> Creating habitat for multiple SAR through a collaborative grazing project. <b>K. Williamson</b>	<b>11-5.</b> Developing predictive models for the occurrence of four grassland bird species in Alberta. <b>J. Landry-DeBoer</b>	<b>12-5.</b> Anthropogenic landscape effects on wild bee diversity In Southern Manitoba. <b>E. Hanuschuk</b>
11:40 am – 12 pm		<b>10-6.</b> Important Bird & Biodiversity Areas: A tool for Conserving Prairie Ecosystems. <b>A. Couturier</b>	<b>11-6.</b> Multiple SAR panel – questions to all speakers.	<b>12-6.</b> Retaining prairie ponds to offset agricultural impacts on aerial insectivores: An assessment of Tree Swallow foraging habitat. <b>A. Elgin</b>
12 pm – 1 pm	<b>LUNCH - North Centennial</b>			
1:00 – 1:40	<b>Plenary 4: Shaunna Morgan Siegers. What is Indigenous-Led Conservation? – North Centennial</b>			
ROOMS	Wellington A	Carlton Room	Wellington B	Embassy EF
	<b>SESSION 13: Public Engagement 2 (C. Mroz)</b>	<b>SESSION 14: Public Pastures (C. Meuckon)</b>	<b>SESSION 15: Tools, Policy for Land Securement (S. Carlyle)</b>	<b>SESSION 16: Insect Conservation (S. Semmler)</b>
1:40 – 2:00	<b>13-1.</b> Environmental Farm Plan SAR tool. <b>P. Watson</b>	<b>14-1.</b> Preserving publicly-owned grasslands. <b>B. Gjetvaj</b>	<b>15-1.</b> Policy instruments & incentives for conservation on working landscapes. <b>J. Pittman</b>	<b>16-1.</b> Effects of non-ionizing electromagnetic pollution on invertebrates, including pollinators such as honey bees. <b>M. Friesen</b>

2:00 – 2:20	<b>13-2.</b> Reconnecting language, land, & people: Place names of posâkanacik aski (Touchwood Hills) Plains Cree & Saulteaux communities, central Saskatchewan. <b>A. Miller</b>	<b>14-2.</b> Spy Hill-Ellice Community Pasture: An agricultural oasis for prairie SAR. <b>Z. Fredbjornson &amp; C. Artuso</b>	<b>15-2.</b> Conservation agreements/easements to conserve wildlife habitat. <b>C. Hullick</b>	<b>16-2.</b> Habitat filtering affects plant-pollinator interactions in prairie ecosystems. <b>D. Bizecki Robson</b>
2:20 – 2:40	<b>13-3.</b> Diversity in engagement: Stewardship of Manitoba's Important Bird & Biodiversity Areas. <b>T. Poole</b>	<b>14-3.</b> The Prairie Commons Project. <b>K. Doke Sawatzky</b>	<b>15-3.</b>	<b>16-3.</b> Missourians For Monarchs: A model for collaboration & engagement of diverse audiences to develop a framework for successful implementation of monarch habitat in Missouri. <b>B. Vandeloecht</b>
2:40 – 3:00	<b>HEALTH BREAK - North Centennial</b>			
<b>ROOMS</b>	<b>Wellington A</b>	<b>Carlton Room</b>	<b>Wellington B</b>	
	<b>SESSION 17: Prairie Bird Conservation 2 (T. Poole)</b>	<b>SESSION 18: Habitat Enhancement (T. Moran)</b>	<b>SESSION 19: Adaptive Management Planning with Open Standards (C. Hamel)</b>	
3:00 – 3:20	<b>17-1.</b> Oil & natural gas development influence nest-site selection & nest survival of upland-nesting waterfowl & shorebirds. <b>S. Ludlow</b>	<b>18-1.</b> Restoring dry-mixed native grasslands: Silver Sage Conservation Site. <b>B. Downey</b>	<b>19-1.</b> Open Standards for the Practice of Conservation: A brief overview. <b>C. Hamel</b>	
3:20 – 3:40	<b>17-2.</b> Effects of oil development on perceived & realized habitat quality for three grassland songbirds. <b>P. Des Brisay</b>	<b>18-2.</b> GMO prairies: the importance of seed source in prairie restoration. <b>J. Morgan</b>	<b>19-2.</b> Open Standards: Benefits to NCC conservation planning in Saskatchewan. <b>R. Dudragne</b>	
3:40 – 4:00	<b>17-3.</b> Review of & advances in the captive propagation & conservation of the western Burrowing Owl in B.C, 1983-2017. <b>L. Meads</b>	<b>18-3.</b> A stitch in time saves nine: using habitat enhancement as a tool to prevent extirpation of Greater Sage-grouse from Grasslands National Park. <b>L. Gardiner</b>	<b>19-3.</b> Open Standards for the Practice of Conservation as a framework for integrated, landscape-scale conservation planning. <b>R. Neufeld &amp; C. Chilton</b>	
4:00 – 4:20	<b>17-4.</b> The Manitoba Burrowing Owl Recovery Program: Working to help recover Burrowing Owl populations in southwestern Manitoba. <b>A. Froese</b>	<b>18-4.</b> From black to green to gold: Repairing the prairie apiary. <b>K. Tulloch</b>	<b>19-4.</b> Open Standards: A partnership approach to conservation planning in the Saskatoon region. <b>R. Grilz</b>	
4:20 – 4:45	<b>CLOSING THE CONFERENCE - North Centennial</b>			