

PROGRAM SCHEDULE

Tuesday, February 19

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

Wednesday, February 20

7:30 – 8:30 am	CONTINENTAL BREAKFAST AND REGISTRATION - <i>North Centennial</i>			
8:30 – 9:30	Welcome, Conference Opening - <i>North Centennial</i>			
9:30 – 10:00	Plenary 1: Trevor Herriott. The Prairie Crisis – Moving the ledger - <i>North Centennial</i>			
10:00 – 10:20	HEALTH BREAK - <i>North Centennial</i>			
ROOMS	Wellington A	Carlton Room	Wellington B	Embassy BC
	SESSION 1: Prairie Bird Conservation 1 (R. Bazin)	SESSION 2: Prairie Butterfly Conservation (S. Petersen)	SESSION 3: Tools & models for Conservation (C. Church)	SESSION 4: Restoration Planning, Monitoring (J. Pelc)
10:20 – 10:40	1-1. Status of Red-headed Woodpecker in southern Manitoba: Can they persist without grazing? K. De Smet	2-1. Collaborative conservation for Endangered Poweshiek Skipperling: Working together to save a species. M. Grantham	3-1. 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. M. Verhage	4-1. Habitat restoration: Is it worth it? S. Beaton
10:40 – 11:00	1-2. Comparing population trends of grassland bird SAR between a large, intact native prairie & BBS data at multiple spatial scales. N. Mahony	2-2. Ex-situ prairie conservation in zoos: A case study of the Poweshiek Skipperling, an endangered grassland butterfly. L. Burns	3-2. Evaluating grassland ecological function: Manitoba's new range & pasture health assessment method. M. Elsinger	4-2. Grassland restoration & preservation: Using sound ecological principals for establishing & maintaining native grasslands. G. Koblun
11:00 – 11:20	1-3. Grassland bird diversity & abundance responses to alternative grazing practices. J. Randall	2-3. Assessment of oviposition behaviour & larval microhabitat location for potential reintroduction of endangered Poweshiek Skipperling in tall grass prairie in Manitoba. J. Henault	3-3. Is the picture worth a thousand animals? Individual differences drive space use in prairie elk populations. L. Newediuk	4-3. Rescue the Fescue: Conservation & restoration of Waterton Lakes National Park's grasslands. K. Pearson

11:20 – 11:40	1-4. Enhancing grassland bird habitat in a semi-urban landscape. R. Grilz	2-4. Pesticides & the disappearance of Threatened & Endangered prairie butterflies. E. Runquist	3-4. Are you seeing the whole picture? Applied uses for LiDAR in biodiversity conservation & land management. J. Becker	4-4. Soil nematodes as bioindicators of restoration success in a northern fescue prairie. V. Coffey
11:40 am – 12 pm	1-5. Trials & tribulations from 40 years of grassland bird monitoring in southwest Manitoba. K. De Smet	2-5. Habitat characterization of Saskatchewan's Dakota skipper population. K. Seidle	3-5. Policy instruments & incentives for conservation on working landscapes. J. Pittman	4-5. Integrating plants, roots, & soil nematodes to restore northern prairie ecosystems. R. Otfinowski
12 – 1:00 pm	LUNCH - North Centennial			
1:00 – 2:20	Plenary 2: Chay Anderson, Robin Bloom, Tom Harrison, Jeff McManus, Sue Michalsky, Beatriz Prieto. Lessons from the South of the Divide: Panel discussion, Facilitators: Sheldon McLeod with Karl Zimmer – <i>North Centennial</i>			
2:20 – 2:40	HEALTH BREAK - North Centennial			
ROOMS	Wellington A	Carlton Room	Wellington B	Embassy BC
	SESSION 5: Advancing the SARPAL approach (C. Hullick)	SESSION 6: Public Engagement 1 (M. Olynyk)	SESSION 7: Land Management Techniques (G. Suggett)	SESSION 8: Restoration - Seeds (C. Murray)
2:40 – 3:00	5-1. Conservation grazing: A last hope for grassland Species at Risk. C. Artuso	6-1. Ruminating on restoration: How a community approach to watershed health can drive success. M. Erickson	7-1. NCC's Open Standards-based approach to biodiversity conservation via adaptive grazing management. A. Greenlay	8-1. Native seed harvesting 101. J. Morgan
3:00 – 3:20	5-2. Advancing beef sustainability and supporting Species at Risk. A. White	6-2. Lake Winnipeg Indigenous Collective: Challenges & opportunities for Indigenous-led conservation efforts. D. Gladu Kanu	7-2. Water management on the Prairies: Green technology for water quality improvements. B. Friesen-Pankratz	8-2. Cheerios-Xerces-Skinner Native Seeds collaboration to rewild the working prairie with perennial pollinator habitat (Part 1). S. Frischie
3:20 – 3:40	5-3. A producer's perspective on the partnership between agriculture and conservation. C. Gervin	6-3. Stewards of Saskatchewan: A look at over 30 years of habitat conservation for grassland SAR. R. Magnus	7-3. SAR monitoring & management in Manitoba Tall-grass Prairie: Lessons Learned. M. Grantham	8-3. Cheerios-Xerces-Skinner Native Seeds collaboration to rewild the working prairie with perennial pollinator habitat (Part 2). J. Skinner
3:40 – 4:00	5-4. Should conservation groups be in the business of selling beef. T. Sopuck	6-4. Pronghorn conservation: A collaborative effort to help conserve the fastest mammal in North America. M. Jensen	7-4. Integrated invasive species management – multiple arrows in the quiver. R. Grilz	8-4. InnoTech Alberta Native Plant Program: Past learnings, current gaps & future opportunities. A. Goyal.
4:00 – 4:20	5-5. SARPAL panel discussion - questions to all speakers	6-5. Ellis Bird Farm: A success story. M. Pearman	7-5. Selective shrub mowing to maintain & enhance upland tall-grass prairie for SAR at the Manitoba Tall Grass Prairie Preserve. C. Borkowsky	8-5. A new restoration network in Manitoba. J. Pelc & M. Olynyk
4:20 – 6:00	DEDICATED POSTER SESSION AND CASH BAR – Embassy EFG			
6:00 – 9:00	BANQUET, SILENT AUCTION AND EVENING PROGRAM - North Centennial			

Thursday, February 21

7:30 – 8:15 am	CONTINENTAL BREAKFAST AND REGISTRATION - North Centennial			
8:15 – 8:30	Opening remarks of the day - <i>North Centennial</i>			
8:30 – 9:05 9:05 – 9:40	Plenary 3: Regenerative Agriculture – North Centennial P3-1. Christy Morrissey. Beyond pesticides- A systems level solution for agriculture and the environment P3-2. Ryan Boyd. Applying the principles of regenerative agriculture in Manitoba			
9:40 – 10:00	HEALTH BREAK - North Centennial			
ROOMS	Wellington A	Carlton Room	Wellington B	Embassy BC
	SESSION 9: Alternatives in Agriculture (D. Morrison)	SESSION 10: Big-picture Planning (K. DeSmet)	SESSION 11: Multiple SAR Management (C. Friesen)	SESSION 12: Biological Effects of Management (J. Kelly)
10:00 – 10:20	9-1. Effect of neonicotinoid insecticides on mass & behaviour in common farmland birds. M. Eng	10-1. Managing for diversity on MHHC Lands. T. Moran	11-1. A multiple SAR management, recovery & research framework in tall-grass prairie. C. Hamel	12-1. Influence of management strategy ecological service providing insects in the tall grass prairie ecosystem. R. Miller
10:20 – 10:40	9-2. Supporting native bees by revegetating agricultural margins with native wildflowers. M. Elsinger	10-2. Valley of grass: Conservation efforts in the grasslands of the Souris River valley. L. Kontzie	11-2. MULTISAR: Species at Risk Partnerships on Agricultural Lands (SARPAL). B. Downey	12-2. Responses to weather & land management gleaned from 20 years of monitoring of two rare tallgrass prairie orchids in Manitoba. B. Bleho
10:40 – 11:00	9-3. Beneficial insects in prairie cropping systems: synergies for biodiversity and agriculture? P. Galpern	10-3. Collaborative adaptive rangeland management: A case study in private-land stewardship. A. Dwyer	11-3. SARPAL: Voluntary management changes & the economics of alternate livestock water sources on ranches in Alberta's Grassland Natural Region. K. Cartwright	12-3. Climate & grazing effects on root biomass in Manitoba, Saskatchewan & Alberta grasslands. D. Steinaker
11:00 – 11:20	9-4. Borderland Agriculture: Our path to regenerative agriculture. B. & J. White	10-4. Coming together for recovery of multiple SAR: Grasslands National Park works with neighbours to achieve beneficial grazing. M. Sliwinski	11-4. In defence of Wildlife: Approaches to SAR management on CFB Suffield. A. Moores	12-4. Bison as ecosystem engineers in the Aspen Parkland. P. Tarleton
11:20 – 11:40	9-5. Regenerative agriculture panel – questions to all speakers	10-5. Creating habitat for multiple SAR through a collaborative grazing project. K. Williamson	11-5. Developing predictive models for the occurrence of four grassland bird species in Alberta. J. Landry-DeBoer	12-5. Anthropogenic landscape effects on wild bee diversity in southern Manitoba. E. Hanuschuk
11:40 am – 12 pm		10-6. Important Bird & Biodiversity Areas: A tool for conserving prairie ecosystems. A. Couturier	11-6. Multiple SAR panel – questions to all speakers.	12-6. Retaining prairie ponds to offset agricultural impacts on aerial insectivores: An assessment of Tree Swallow foraging habitat. A. Elgin

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