

**North Dakota Chapter of the Wildlife Society
Annual Meeting
2018 - Habitat Needs of Pollinators and Game Species
FEBRUARY 7-9, 2018**



Featuring sessions on:
**Habitat Needs of Pollinators,
White-tailed Deer,
Wild Turkeys, Pheasants, and Ducks**

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BREAKS, AND THE STUDENT COSTS FOR ATTENDING THE 11TH ANNUAL
STUDENT/PROFESSIONAL LUNCHEON.*

2018
NDCTWS ANNUAL CONFERENCE
FEBRUARY 7 – 9, 2018
BAYMONT INN AND SUITES, MANDAN, NORTH DAKOTA

“Habitat Needs of Pollinators and Game Species”

WEDNESDAY, FEBRUARY 7, 2018

- 8:00-10:30 Executive Board Meeting – Executive Room 1
10:00-5:00 Registration - Lobby
12:00-1:00 Lunch (on your own)
1:00-1:10 Welcome and Opening Remarks – Pier 7 Room
Rick Nelson, President, NDCTWS

Session One – Pier 7 Room: Habitat Needs of Pollinators (Invited Speakers)

Session Moderator: Dr. Dan Svedarsky, University of Minnesota – Crookston (UMC)

- 1:10-1:30 **Restoring and Enhancing Urban Pollinator Habitat in the Dakotas.**
Sarah Hewitt, Audubon Society
- 1:30-1:50 **Managing Prairies Invaded with Smooth Brome and Kentucky
Bluegrass – Thoughts on Increasing Native Plant Composition.**
Cami Dixon, US Fish and Wildlife Service (USFWS)
- 1:50-2:10 **Management is the Important Part.** Curt Bradbury, US Department
of Agriculture (USDA)
- 2:10-2:30 **What’s On Your Landscape?** Jay Fuhrer (USDA)
- 2:30-2:50 **Break**

**Session Two – Pier 7 Room: Wildlife Habitat Needs in an Agricultural Landscape
(Invited Speakers).**

Session Moderator: Dr. Dan Svedarsky, University of Minnesota - Crookston

- 2:50-3:10 **Habitat Needs of a White-tailed Deer.** Eric Michel South Dakota State
University (SDSU), Jon Jenks (SDSU), and Bill Jensen, North Dakota Game and
Fish Department (NDGF)
- 3:10-3:30 **Habitat Needs of a Pheasant.** Jesse Kolar (NDGF), and
Rodney Gross (NDGF)
- 3:30-3:50 **Habitat Needs of a Wild Turkey.** Rodney Gross (NDGF), and
Jesse Kolar (NDGF)
- 3:50-4:10 **Habitat Needs of a Duck.** Andrew Dinges (NDGF), and
Mike Szymanski (NDGF)

- 4:10-4:30 **Bringing the Threads Together: Pollinators and Game Management.**
Dan Svedarsky (UMC)
- 4:30 **Announcements** - Rick Nelson (USFWS)
- 5:00-6:15 **UND Alumni Social - Executive Room 1**
- 6:00-7:00 **Fund Raising Social - Pier 7 Room**
- 7:00-10:00 **Fundraising Buffet and Auction - Pier 7 Room**

THURSDAY, FEBRUARY 8, 2018

- 8:10 Announcements - Pier 7 Room

Session Three – Pier 7 Room: Posters

Session Moderator: Clint Otto, Northern Prairie Wildlife Research Center (NPWRC)

- 8:15-9:30 **The Lightning Round**
(2-minute project overviews to introduce posters)
- 9:30-10:10 **Poster Viewing – Nautilus Room**

Session Four – Pier 7 Room: Student Research Presentations

Session Moderator: Kristine Askerooth.

- 10:10-10:30 **Evaluating Blackbird Behavioral Response Toward Unmanned Aircraft Systems (UAS).** Conor C. Egan, North Dakota State University (NDSU), Bradley F. Blackwell (USDA-APHIS), Esteban Fernandez-Juricic, Purdue University, and Page E. Klug (USDA-APHIS)
- 10:30-10:50 **Importance of invertebrate communities to nesting common eiders (*Somateria mollissima*): Investigating possible techniques to study bird diets.** Tanner J. Stechmann, University of North Dakota (UND), Andrew Barnas (UND), Samuel D. Hervey (UND) Scott R. McWilliams, University of Rhode Island, Robert F. Rockwell (Am. Museum of Nat. Hist.), Brian J. Darby (UND), and Susan N. Ellis-Felege (UND)
- 10:50-11:10 **Evaluation of movements and habitat use of suburban striped skunks (*Mephitis mephitis*) in the Northern Great Plains.** Anna Schneider (UND), Amy Gilbert (USDA), Susan Ellis-Felege (UND), Gregory Vandeberg (UND), and Jason Boulanger (UND)
- 11:10-11:30 **Shorebird Parental Behaviors in Response to Research Activities.** Alicia K. Andes (UND), Terry L. Shaffer (NPWRC), Mark H. Sherfy (NPWRC), Colin M. Dovichin (NPWRC), and Susan N. Ellis-Felege (UND)
- 11:30-11:50 **Conservation Notes.** Rick Nelson (USFWS), Mike McEnroe (USFWS-Retired), Al Sapa (USFWS-Retired), and Dave DeWald, Natural Resource Conservation Service (Retired)
- 11:50 **Announcements** – Rick Nelson
- 11:50-1:00 **Annual Student / Professional Luncheon – Nautilus Room**
Moderator: Steffanie Brewer (UND), NDCTWS student liaison

Business Meeting (1:10 to 4:00) – Pier 7 Room

- 1:15-2:30 **Old Business**
- 2:30-2:45 **Introductions of 2018 Executive Board Candidates and Remarks from President Elect Candidate(s)**
Call for nominations from the floor
- 2:45-3:15 **Cast Ballots and Poster Viewing while counting ballots**
- 3:15-4:00 **New Business - Student Liaison**
- 4:00-6:00 **Professional Women in Natural Resources Social – Nautilus Room**
- 6:00-7:00 **Awards Social – Pier 7 Room**
- 7:00-10:00 **Awards Banquet – Pier 7 Room**

FRIDAY, FEBRUARY 9, 2018

Session Five – Pier 7 Room: Wetland Ecology Presentations

Session Moderator: Mandy Jo Guinn, United Tribes Technical College

- 8:05-8:25 **Landscape Genetics Reveal Possible Drought and Ice Age Refugia Drive Population Subdivision of the Northern Leopard Frog Populations in North Dakota.** Justin Waraniak (NDSU), Justin Fisher (NDSU), Kevin Purcell (NDSU), David Mushet (NPWRC), and Craig Stockwell (NDSU)
- 8:25-8:45 **Initial Biodiversity of Arthropods Available to Song Birds in an Arctic Tundra.** Morgan Thomas, University of Jamestown (UJ), Kathleen Schnaars Uvino (UJ), and Joy Newton, University of Nevada – Reno
- 8:45-9:05 **Landscape-Level Habitat Selection by Uplands-Nesting Shorebirds in the Prairie Pothole Region of North Dakota.** Neal Niemuth (USFWS) and Brian Wangler (USFWS)
- 9:05-9:25 **Potential Homogenization of Prairie-Pothole Wetland Habitats.** Kyle I. McLean (NPWRC and NDSU), Jon N. Sweetman (NDSU), and David M. Mushet (NPWRC)
- 9:25-9:45 **Break**

Session Six – Pier 7 Room: Habitat Develop, Protection, and Partnerships in North Dakota

Session Moderator: Rick Warhurst, ND Natural Resources Trust (NDNRT)

- 9:45-10:05 **Richard Ranch and Badlands Partnerships.** Nate Harling (NDGF)
- 10:05-10:25 **Cover Crops: Improving Every Acre for Farms, Water Quality and Wildlife.** Matthew Olson, 319 Watershed Coordinator, Wild Rice Soil Conservation District.
- 10:25-10:45 **Building Bridges to Better Futures: UND Biological Field Stations as NDGF Wildlife Management Areas Enhance Ecological Education, Research, and Conservation Value.** Robert Newman (UND), Kathryn Yurkonis (UND), Susan Ellis-Felege (UND), Jay Boulanger (UND), Brian Darby (UND), and Jeb Williams (NDGF)
- 10:45-11:05 **Outdoor Heritage Funds.** Terry Allbee (NDNRT).

- 11:05-11:15 **Awards for Best Student Presentation and Best Student Poster** - Jason Boulanger (UND)
- 11:15-11:30 **Closing Remarks and Adjournment** - Rick Warhurst, President, NDCTWS

POSTERS

1. **Prairie Restoration Guide Book.** Cami Dixon (USFWS), Paula Comeau (NDSU), Kristine Askerooth (USFWS), Jack E. Norland (NDSU), and Kevin Sedivec (NDSU) (Professional Poster)
2. **The Camera Never Lies: Summer Activities of Nesting Mallards (*Anas platyrhynchos*) In Central North Dakota Using Surveillance Cameras.** Allicyn Nelson (UND), Jaylin Solberg (UND), Ryann Cressey (DU), Mason Sieges (DU), Kaylan Carrlson (DU), and Susan Ellis-Felege (UND) (Undergraduate Student Poster)
3. **Identifying Pollinator Communities with High-Throughput Molecular Sequencing.** Abby L. Keller (UND), Madison Jochim (UND), Josephine Moe (UND), Brian J. Darby (UND), Rebecca Simmons (UND) (Undergraduate Student Poster)
4. **Comparison of knowledge on conservation issues through social media followers and non-followers.** Mason Lombard (UND,), Collin Riley (UND), Sarah Cavanah (UND), Ryann Cressey (DU), Mason Sieges (DU), Kaylan Carrlson (DU), and Susan Ellis-Felege (UND) (Undergraduate Student Poster)
5. **Migratory passerines and Senior citizens: A citizen science endeavor.** Annabel Jiran (UJ), Teagan Skunberg (UJ), and Kathleen Uvino (UJ) (Undergraduate Student Poster)
6. **Environmental Influences on Development of Branchiate and Cannibalistic Morphs in *Ambystoma Tigrinum*.** Amanda Eijansantos (UJ), Lucas Shirley (UJ), Brianna Kulla (UJ), and Kathleen Schnaars Uvino (UJ) (Undergraduate Student Poster)
7. **Busy Children and Moving Birds: A Citizen Outreach Experience.** MacKenzie Gerszewski (UJ), Kade Thompson (UJ), and Kathleen Uvino (UJ) (Undergraduate Student Poster)
8. **Inter-Disciplinary Graduate School Opportunities Through the Environmental & Conservation Sciences Graduate Program at NDSU.** Kevin Cortes (NDSU), Justin Waraniak (NDSU), and Craig Stockwell (NDSU) (Graduate Student Poster)
9. **Measuring Spatial Threats to Apiaries in the Prairie Pothole Region of North Dakota and South Dakota Using InVEST's Habitat Quality Model.** Daniel Dixon (UND), Haochi Zheng (UND), and Clint Otto (NPWRC) (Graduate Student Poster)
10. **Nesting and Predation Phenology of Breeding Waterfowl in North Dakota.** Jaylin Solberg (UND), Allicyn Nelson (UND), Mason Sieges (DU), Ryann Cressey (DU), Kaylan Carrlson (DU), and Susan Ellis-Felege (UND) (Undergraduate Poster)

11. **Behavioral Response of *Myotis lucifugus* and *Eptesicus fuscus* to Restraint Related Stress.** Hanna Karevold (NDSU), Kevin Cortes (NDSU), and Erin Gillam (NDSU) (Undergraduate Poster).
12. **Chemical Repellents for Reducing Blackbird Damage: Further Evaluation of an Anthraquinone-based Repellent on Mature Sunflowers.** Brandon Kaiser (NDSU), Burton Johnson (NDSU), and Page Kluge (USDA-APHIS) (Graduate Poster).