54th Annual Meeting
of the
Texas Chapter
of The Wildlife Society

The Relevance of Conservation to a Diverse Society….How to Make It a Reality

9–11 February 2018
Dallas, Texas
2017-2018 Executive Board

Executive Director  Don Steinbach
President          Corey Mason
President-elect   Jena Moon
Vice President    Tyler Campbell
Past President    Randy DeYoung
Secretary         John Kinsey
Treasurer         Terry Blankenship
Board Member-at-Large  Justin Dreibelbis
Archivist         Alan Fedynich

Program
John Silovsky and T. Wayne Schwertner

Local Arrangements
Bill Adams

Posters
Heather Mathewson and Penny Wilkerson
Meeting Schedule

Friday, 9 February 2018

8:00 AM – 5:00 PM Registration
8:00 AM – 3:00 PM Poster Set-up
8:00 AM – 4:00 PM James G. Teer Leadership Institute
7:30 AM Prescribed Fire Workshop Participants Meet
8:00 AM – 5:00 PM Prescribed Fire Workshop
8:00 AM – 10:00 AM TWS Certification Workshop
8:00 AM – 12:00 PM Program R Workshop
10:00 AM – 12:00 PM Mobile Application Symposium
10:00 AM – 12:00 PM TCTWS Executive Board Meeting
1:00 PM – 3:00 PM Student Plant ID Contest
1:00 PM – 5:00 PM Prescribed Fire Workshop
1:00 PM – 10:00 AM TWS Certification Workshop
8:00 AM – 12:00 PM Program R Workshop
10:00 AM – 12:00 PM Mobile Application Symposium
10:00 AM – 12:00 PM TCTWS Executive Board Meeting
1:00 PM – 3:00 PM Student Plant ID Contest
1:00 PM – 5:00 PM Presentation Submission
1:00 PM – 5:00 PM Art and Photo Contest Submission
2:00 PM – 4:00 PM TCTWS Business Meeting
3:15 PM – 5:15 PM Student Quiz Bowl Competition
4:00 PM – 5:00 PM East Foundation Reception
4:00 PM – 5:00 PM Southwest Section TWS
5:00 PM – 6:00 PM SRSU Alumni and Borderlands Reception
5:00 PM – 6:00 PM Women of Wildlife and Women of the Land
5:15 PM – 6:30 PM Student Poster Judging
6:30 PM – 10:00 PM President’s Reception and Student-Mentor Mixer

Saturday, 10 February 2018

6:30 AM – 7:30 AM Student Breakfast
7:30 AM – 5:00 PM Presentation Submission
7:30 AM – 5:00 PM Raffle and Silent Auction
7:30 AM – 5:00 PM Registration
7:30 AM – 1:45 PM Professional Plant ID Contest
8:00 AM – 10:15 AM Plenary Session
8:00 AM – 10:00 AM Art and Photo Contest Submission
10:15 AM – 10:45 AM Break
10:45 AM – 12:15 PM Cottam Award Presentations
10:30 AM – 4:00 PM Voting for Photo and Art Contest
12:15 PM – 1:45 PM Lunch (On Your Own)
12:30 PM – 1:45 PM Past-Presidents Luncheon (Invitation Only)
1:45 PM – 3:15 PM Technical Session A1
1:45 PM – 3:15 PM Technical Session B1
1:45 PM – 3:00 PM Technical Session C1
1:45 PM – 3:00 PM Technical Session D1
1:45 PM – 3:45 PM Conservation Affairs Committee
3:15 PM – 3:45 PM Break
3:45 PM – 5:00 PM  Technical Session A2  Dallas Ballroom A3
3:45 PM – 5:00 PM  Technical Session B2  Dallas Ballroom D3
3:45 PM – 4:45 PM  Technical Session C2  Dallas Ballroom A1
3:45 PM – 5:00 PM  Technical Session D2  Dallas Ballroom D1
4:00 PM – 5:30 PM  Art and Photo Contest Pick-up  The Grand Hall
5:30 PM – 7:00 PM  Awards Ceremony  Dallas Ballroom BC
7:00 PM – 10:00 PM  Awards Reception  The Grand Hall

Sunday, 11 February 2018
7:00 AM – 7:30 AM  Fellowship of Christian Conservationists  Pearl 1*
7:30 AM – 10:00 AM  Registration  The Grand Hall
8:00 AM – 9:30 AM  Technical Session A3  Dallas Ballroom A3
8:00 AM – 9:30 AM  Technical Session B3  Dallas Ballroom D3
8:00 AM – 9:30 AM  Technical Session C3  Dallas Ballroom A1
8:00 AM – 9:30 AM  Technical Session D3  Dallas Ballroom D1
9:30 AM – 10:00 AM  Break  The Grand Hall
10:00 AM – 11:30 AM  Technical Session A4  Dallas Ballroom A3
10:00 AM – 11:30 AM  Technical Session B4  Dallas Ballroom D3
10:00 AM – 11:00 AM  Technical Session C4  Dallas Ballroom A1
8:00 AM – 2:00 PM  James G. Teer Leadership Institute  Cityview 7*
8:00 AM – 10:00 AM  Poster Removal  The Grand Hall
9:00 AM – 11:00 AM  TCTWS Executive Board Meeting  Chaparral Boardroom*
11:30 AM  Adjourn

*Rooms marked with an asterisk are located in the Sheraton Hotel. All others are in the convention space.
Venue Layout
PLenary session
Dallas Ballroom BC
Moderator: John Silovsky

Saturday, 10 February 2018

8:00 Welcome and Introduction – Corey Mason, President, Texas Chapter of the Wildlife Society
8:10 Steve Williams – President, Wildlife Management Institute
8:35 Greg Simons – Owner, Wildlife Systems, Inc.
9:00 John McDonald – President, The Wildlife Society
9:25 Tina Yturria Buford – Director of Education, East Foundation
9:50 Panel Discussion and Q&A
10:15 Break

Clarence Cottam Award Competition
Dallas Ballroom BC
Moderator: John Kinsey

10:45 Breeding Bird Response to Post Oak Savanna Restoration in Eastern Texas 8 Year Post-management, Courtney K. McInnerney, Christopher Comer, and Jeffery Gunnels
11:00 The Importance of Unbiased Sampling for Informing Conservation Policy: A Case Study with Jollyville Plateau Salamanders, Zachary C. Adcock and Michael R. J. Forstner
11:30 Taking Them Under My Wing: Integrating Wild Bird Conservation Curriculum into the Sixth and Seventh Grade Classroom, Janel L. Ortiz, April A. Torres Conkey, Leonard A. Brennan, La Vonne Fedynich, Marybeth Green
11:45 Factors Affecting Detection Probability and Abundance of White-winged Doves in Texas, Conor J. McInnerney, Heather A. Mathewson, Thomas W. Schwertner, Shaun L. Oldenburger, Mike Frisbie, Jared D. Hall
12:00 Modeling Translocation Strategies for Pronghorn Populations in the Trans-Pecos, Texas, Philip J. Boyd, Patricia Moody Harveson, Louis A. Harveson, Whitney J. Gann, Shawn S. Gray
12:15 Lunch
SESSION A1: CONSERVATION AND MANAGEMENT OF QUAIL
DALLAS BALLROOM A3
MODERATOR: JIM RAY


2:00 Influences of Temperature on Resource Selection by Northern Bobwhites, Brandon J. Palmer, Benjamin R. Olsen, Ellart J. Vreugdenhil, Geron G. Gowdy, Timothy E. Fulbright, Eric D. Grahmann, Fidel Hernandez, Michael W. Hehman, and David B. Wester

2:15 Monitoring Changes in Northern Bobwhite Density and Vegetation Structure Within a Large-scale Experimental Grazing Study in South Texas, Andrea Bruno, Leonard A. Brennan, Michael L. Morrison, Eric D. Grahmann, and Andrew N. Tri


2:45 Foraging Site Selection of Montezuma Quail in the Capitan Mountain of New Mexico, Karlee D. Cork and Ryan S. Luna

3:00 Canopy Cover Selection of Montezuma Quail in the Capitan Mountains of New Mexico, Elizabeth Oaster, Karlee Cork, Ryan S. Luna, Ryan O'Shaughnessy, and Dan Foley

SESSION B1: CONSERVATION AND MANAGEMENT OF NONGAME AND NON-NATIVE MAMMALS
DALLAS BALLROOM D3
MODERATOR: WHITNEY GANN

1:45 Exploring Detailed GPS Collar Data Analysis of Movements to Approximate Visual Observation Results Using Dama Gazelle as the Subject, Elizabeth Cary Mungall and Christian Mungall

2:00 MATLAB-based Analysis Techniques for Detailed Investigations of Group Constitution and Daily Movements of Gazelles, Christian Mungall and Elizabeth Cary Mungall

2:30 Baseline Activity of Cave Myotis Colonies Prior to the Arrival of White-nose Syndrome, Lilianna K. Wolf, Melissa B. Meierhofer, Brian L. Pierce, Joseph M. Szewczak, Jonah W. Evans, and Michael L. Morrison

2:45 Baseline Data on Overwintering Bats and Roosts in Texas, Melissa B. Meierhofer, Krysta D. Demere, Brian L. Pierce, Joseph M. Szewczak, Jonah W. Evans, Michael L. Morrison

3:00 Naturalization of North American Porcupines in Texas, Effects of Rangeland, and Management Techniques, Andrea E. Montalvo and Roel R. Lopez

SESSION C1: HUMAN DIMENSIONS AND HUMAN-WILDLIFE CONFLICTS I
DALLAS BALLROOM A1
MODERATOR: RICHARD HEILBRUN


2:00 An Analysis of Factors Associated with Wildlife Road Mortalities in South Texas, Trinity D. Livingston, Kevin Ryer, Richard J. Kline, and John Young, Jr.

2:15 Analytical Comparison of Carnivore-Human Conflict Management, Elliott A. Foxley

2:30 Wildlife and Habitat Management Program at Dallas/Fort Worth International Airport, Texas: Mitigation Efforts to Minimize Wildlife Strikes with Aircraft, Hannah M. Ashbaugh, and Catherine A. Boyles

2:45 Nuisance American Alligators and Evaluation of Translocation as a Management Strategy, Cord B. Eversole, Scott E. Henke, Selma N. Glasscock, Randy L. Powell, David B. Wester, and Bart M. Ballard

3:00 Vacant

SESSION D1: HABITAT AND VEGETATION MANAGEMENT
DALLAS BALLROOM D1
MODERATOR: DEVIN ERXLEBEN

1:45 Comparison of Season of Burning Effects on Mortality and Recruitment of Gulf Cordgrass, Jose S. Avila-Sanchez, Victoria L. Haynes, Sandra Rideout-Hanzak, David B. Wester, Jose A. Ortega-S, and Tyler A. Campbell

2:00 Regrowth of Angleton Bluestem Following Warm Season Prescribed Burning, Jose S. Avila-Sanchez, Zachary Pearson, Heather N. Sanders, Chase H. Walther, Sandra Rideout-Hanzak, David B. Wester, and Terry Blankenship
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<tr>
<td>2:15</td>
<td>Transforming Mesquite-Texas Wintergrass-Dominated Plant Communities into Native Grassland Bird Habitat</td>
<td>Michael F. Machart, Darrel B. Murray, and James P. Muir</td>
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<td>2:30</td>
<td>Analysis of Unmanned Aerial System Imagery to Map Emergent Aquatic Vegetation in a Constructed Wetland</td>
<td>Kristy A. Kollaus, Thomas C. Heard, Rachel Williams, Lucas Chavez, Matthew Symmank, and Thomas B. Hardy</td>
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<td>2:45</td>
<td>Use of Ground Juniper in Wildlife and Livestock Feeds</td>
<td>Jessica L. Glasscock, David G. Hewitt, Travis R. Whitney, Susan M. Cooper, Fred C. Bryant, and Christina M. Toenjes</td>
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<td>3:00</td>
<td>Vacant</td>
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**SESSION A2: CONSERVATION AND MANAGEMENT OF MIGRATORY GAMEBIRDS**

**DALLAS BALLROOM A3**

**MODERATOR: BRIAN PIERCE**

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<td>3:45</td>
<td>Annual Survival, Recover, and Molt Chronology of White-winged Doves in Texas</td>
<td>Jared D. Hall, Heather A. Mathewson, Shaun L. Oldenburger, Thomas W. Schwertner, and Mike Frisbie</td>
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<td>4:00</td>
<td>An Examination of Long-distance Flights of Sandhill Cranes During Winter on the Southern High Plains of Texas and New Mexico</td>
<td>Kathryn J. Brautigam, Blake A. Grisham, William P. Johnson, Dan P. Collins, Shaun Oldenburger, Jude Smith, and Warren C. Conway</td>
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<td>4:15</td>
<td>Autumn and Wintering Movement Ecology of Gulf Coast Subpopulation Sandhill Cranes</td>
<td>Emily D. Wells, Bart M. Ballard, Shaun L. Oldenburger, Daniel P. Collins, David A. Brandt, Aaron T. Pease, Humberto L. Perotto-Baldivieso, and David Wolfson</td>
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<td>4:45</td>
<td>Winter Movements and Habitat Use by Greater White-fronted Geese</td>
<td>Jay A. VonBank, Bart M. Ballard, Kevin J. Kraai, Mitch D. Weegman, Daniel P. Collins, and Humberto L. Perotto-Baldivieso</td>
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**SESSION B2: CARNIVORE ECOLOGY AND MANAGEMENT**

**DALLAS BALLROOM D3**

**MODERATOR: JOHN TOMECEK**

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4:00  Assessment of the Condition of Artificial Escape Dens and Use by Swift Foxes 10 Years Post-establishment, Colton D. Laws, Greg Pavur, Philip S. Gipson, John T. Baccus, Souparno Ghosh, and Kevin Mulligan

4:15  Spatial Ecology and Landscape-Scale Behavior of Coyotes in South Texas, Justin T. French and John M. Tomecek

4:30  Environmental Factors Affecting Mesopredator Occupancy in an Urban Area on the Southern High Plains of Texas, Christopher R. Carter, Warren C. Conway, Mark C. Wallace, and Robert D. Bradley

4:45  Simulation of Black Bear Dispersal from Populations in Louisiana, Arkansas, and Oklahoma to Areas of Suitable Habitat in East Texas, Tanh T. Nguyen, Caitlin Glymph, Christopher E. Comer, and Daniel G. Scognamillo

SESSION C2: HUMAN DIMENSIONS AND HUMAN-WILDLIFE CONFLICTS II

DALLAS BALLROOM A1
MODERATOR: APRIL CONKEY

3:45  The Influence of Livestock Protection Dogs on Mesocarnivore Activity in the Edwards Plateau of Texas, Nick Bromen, John M. Tomeček, and Justin French

4:00  Public Duck Hunter Demographics at Richland Creek Wildlife Management Area, Texas, Matthew E. Symmank


4:30  Recovering America’s Wildlife Act: A Game-Changing Opportunity to Expand Wildlife Management in Texas, John Shepperd

4:45  Vacant

SESSION D2: INNOVATIONS IN WILDLIFE MANAGEMENT I

DALLAS BALLROOM D1
MODERATOR: DARREL MURRAY


4:00  Using Morphological Measurements to Distinguish Between Sexes of Grassland Birds in the Chihuahuan Desert, Texas, Jacob C. Locke, Kaitlyn M. Williams, and Ryan S. Luna
4:15 Reducing Cowbird Control Costs at Fort Hood: Implications for Black Capped Vireo Recovery, Scott G. Summers and David A. Cimprich

4:30 Improving Avian Species Distribution Models by Incorporating Biotic Interactions, Rachel R. Fern, Michael L. Morrison, Jeremy Baumgardt, and Tyler A. Campbell


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Sunday, 11 February 2018

SESSION A3: CONSERVATION AND MANAGEMENT OF NONGAME BIRDS I

DALLAS BALLROOM A3

MODERATOR: JIM MUELLER

8:00 Wintering Plover Use of a Public Beach After Hurricane Harvey: Preliminary Observations on Changes in Habitat and Human Disturbance, Amanda D. Hackney, Susan Heath, Kacy Ray, and Kristen Vale

8:15 Interactive Effects of Severe Drought and Grazing on the Life History Cycle of a Bioindicator Species, Sarah Fritts, Blake Grisham, Robert D. Cox, Clint W. Boal, David A. Haukos, Patricia McDaniel, Christian A. Hagen, and Daniel U. Greene

8:30 The Influence of Age Structure on Pairing and Territory Success of an Endangered Songbird, Drew S. Finn

8:45 Conservation and Mitigation Effects on Rates of Golden-cheeked Warbler Habitat Loss, Nancy A. Heger and Tom Hayes

9:00 Influences of Catastrophic Weather Events on the Endangered Attwater’s Prairie Chicken, Jennifer M. Romero, Michael L. Morrison, and Michael E. Morrow


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SESSION B3: CONSERVATION AND MANAGEMENT OF BIG GAME I

DALLAS BALLROOM D3

MODERATOR: DONALD BEARD

8:00 Status Update: The Collaborative Trans-Pecos Pronghorn Restoration Effort, Whitney J. Gann, Louis A. Harveson, and Shawn S. Gray

8:30  Rangeland Suitability Model for the Texas State Bison Herd in Caprock Canyons State Park, a’Lisa M. McAnally, Heather A. Mathewson, Thomas W. Schwertner, Jeff B. Breeden, Hemanta Kafley, and Donald Beard


SESSION C3: CONSERVATION AND MANAGEMENT OF REPTILES AND AMPHIBIANS I
DALLAS BALLROOM A1
MODERATOR: MIKE MILLER

8:00  Population Structure, Distribution, and Habitat Use of American Alligators at an Urban Coastal Site, Cord B. Eversole, Scott E. Henke, Selma N. Glasscock, Randy L. Powell, David B. Wester, and Bart M. Ballard


8:45  Neonate Cottonmouth Spatial Ecology and Habitat Selection: From Parturition to Hibernation, Zackary J. Delisle, Dean Ransom, Lani Lyman-Henley, and Johanna Delgado-Acevedo

9:00  Niche Overlap in a Coastal Texas Aquatic Snake Community, Logan D. Ediger, Richard T. Kazmaier, and Daniel P. Walker

9:15  Functional Distance and Establishment of Non-native Species with Complex Life Cycles, Christopher M. Schalk, Carmen G. Montana, Kelsey Kralman, and Daniel J. Leavitt
SESSION D3: INNOVATIONS IN WILDLIFE MANAGEMENT II
DALLAS BALLROOM D1
MODERATOR: BLAKE MURDEN


8:15  Potential Strike Hazard Posed by White-winged Doves to Military Aircraft in Central Texas, Melanie R. Colon, Clay Thompson, and Ashley M. Long

8:30  Evaluations of Distance Sampling and Occupancy Modeling as Targets for a Long-term Monitoring Program for Bird Populations, Jeremy A. Baumgardt, Michael L. Morrison, Leonard A. Brennan, and Tyler A. Campbell

8:45  Using Acoustic Monitors to Assess At-risk Species in Survey Locations with Limited Access, Sarah J. Turner, Brian L. Pierce, Charles E. Dixon, Francisco A. Cartaya, and Krysta D. Demere

9:00  Environmental Influences on Age Differences Between Cementum Annuli and Tooth Replacement and Wear in White-tailed Deer, Oscar Cortez, Aaron Foley, Charlie DeYoung, David G. Hewitt, and Randy DeYoung

9:15  Tooth Wear of White-tailed Deer Consuming Pelleted Ration and Browse Diet, Sterling G. Spilinek and Floyd W. Weckerly

SESSION A4: CONSERVATION AND MANAGEMENT OF NONGAME BIRDS II
DALLAS BALLROOM A3
MODERATOR: WARREN CONWAY

10:00  Partitioning of Foraging Habitat Amongst Kingfishers Along the South Llano River, Texas, Griffin D. Chodacki and Ben R. Skipper

10:15  Effects of Cover Type on Presence and Distribution of Grassland Birds in the Oaks and Prairies Region of Texas, Helen Davis, Meta Griffin, James Giocomo, Kenneth Gee, Steven Riley, Anna Matthews, M. Clay Green, Jeff Raasch, and Robert Perez

10:30  Scaled Quail and Grassland Birds as Indicators of Grassland Health in the Chihuahuan Desert, Kaitlyn M. Williams, Katherine J. Sauer, Ryan S. Luna, Ryan O'Shaughnessy, and Warren C. Conway

10:45  Habitat Associations of Migratory Birds in South Texas, Samantha J. Wolfe, Arlene J. Arnold, Bart M. Ballard, Matthew J. Schnupp, and John T. Edwards
11:00 Selection of Island Habitat by a Texas Population of Purple Martin During the Non-breeding Season, James D. Ray, Kevin C. Fraser, Auriel Fournier, and Amanda Shave

11:15 Vacant

SESSION B4: CONSERVATION AND MANAGEMENT OF BIG GAME II
DALLAS BALLROOM D3
MODERATOR: JEFF BREEDEN

10:00 Roosevelt Elk Use and Selection of a New Meadow in Redwood National and State Parks, Aaron S. McGuire and Floyd W. Weckerly

10:15 Social Dominance Affects Pelleted Feed Consumption by White-tailed Deer in South Texas, Emily H. Belser, David G. Hewitt, Timothy E. Fulbright, Charles A. DeYoung, Thomas W. Boutton, David B. Wester, and Don A. Draeger


10:45 Effects of White-tailed Deer Density and Feeder Density on Antler Growth, Ryan M. Rothstein, Charles A. DeYoung, David G. Hewitt, Timothy E. Fulbright, Lindsey M. Phillips, and Donnie A. Draeger

11:00 Effects of White-tailed Deer and Supplemental Feeder Density on Wood Species Composition, Onalise R. Hill, Lindsey M. Phillips, Timothy E. Fulbright, David G. Hewitt, Charles A. DeYoung, David B. Wester, and Don A. Draeger

11:15 Does White-tailed Deer Browsing Result in Browse Lines and Changes in Mast Production of 3 Preferred South Texas Woody Plants? Lindsey M. Phillips, Onalise R. Hill, Timothy E. Fulbright, David G. Hewitt, Charles A. DeYoung, and Don A. Draeger

SESSION C4: CONSERVATION AND MANAGEMENT OF REPTILES AND AMPHIBIANS II
DALLAS BALLROOM A1
MODERATOR: CONOR MCINNERNEY

10:00 Relationships Between Canopy Cover and Herpetofauna in an Eastern Texas Woodland, Erin E. Stiede and Richard T. Kazmaier

10:15 Phylogeographic Structure of Spot-tailed Earless Lizards: 1 Species or 2? Toby J. Hibbitts, Wade A. Ryberg, Johanna Harvey, Gary Voelker, Michelle Lawing, Connor S. Adams, Dalton B. Neuharth, Drew E. Dittmer, C. Michael Duran, Brad D. Wolaver, Jon Paul Pierre, Benjamin J. Labay, and Travis J. LaDuc
10:30  Home Range and Habitat Associations of the Spot-tailed Earless Lizard, Danielle K. Walkup, Shelby Frizzell, Dalton Neuharth, Connor S. Adams, Timothy Johnson, Wade A. Ryberg, and Toby J. Hibbitts


11:00  Peeping Herpetology: How to Spy on Black-spotted Newts and Other Herpetofauna, Evan Bare and Richard Kline

11:15  Vacant

POSTER SESSION

5:00 PM – 6:30 PM FRIDAY, 9 FEBRUARY (JUDGING)
8:00 AM – 5:30 PM SATURDAY, 10 FEBRUARY (DISPLAY ONLY)

GRAND HALL

ORGANIZERS: HEATHER MATHEWSON AND PENNY WILKERSON

01. Calling Phenology of the Common Pauraque in the Northernmost Part of Its Range, Cory K. Adams, Daniel Saenz, Clifford E. Shackelford, and James D. Childress


04. Effects of Prescribed Fire on Texas Horned Lizard Habitat and Food Supply, Wyatt L. Bagwell, Darrel Murray, David Kattes, and Heather Mathewson

05. Range Distribution Modeling for the Black-Spotted Newt, Evan Bare, Richard Kline, Andrew Gluesenkamp, and Luis J. Peña

06. Effects of the Synthetic Estrogen, 17α-ethinylestradiol, on Fountain Darter Populations, Jennifer M. Borski, Andrew Richardson, Hsiao-Hsuan “Rose” Wang, and William E. Grant

07. Cost Analysis of Coyote Removal to Aid Cattle Production in Texas, Kyle Brewster, Scott E. Henke, Alfonso Ortega-Santos, Benjamin L. Turner, and John M. Tomecek

08. Survey of Rancher Perceptions of Livestock-predator Conflicts in Texas, Kyle Brewster, Scott E. Henke, Alfonso Ortega-Santos, Benjamin L. Turner, and John M. Tomecek

09. Pig Diets: Pig Tails Tell the Tale, Julia K. Burchsted, David G. Hewitt, Thomas L. Boutton, Nathan P. Snow, Heather N. Sanders, and Humberto L. Perotto-Baldivieso


11. Estimation of Anthropogenic and Catastrophic Effects on Florida Manatee, Katherine Carbajal, Paola Camposeco, Jasmin Diaz-Lopez, Hsiao-Hsuan Wang, and William E. Grant

13. Abundance, Activity Patterns, and Interactions Among Felids, Cattle, Nilgai, Feral Hog, and Javelina, Shelby B. Carter, Michael E. Tewes, Jason V. Lombardi, John P. Leonard, and Tyler A. Campbell

14. Using Goals and Profitability to Determine What to Plant in Pastures, Megan K. Clayton, A. Mac Young, Mac Young, Larry A. Redmon, and Forrest S. Smith


21. Genetic Evaluation of White-tailed Deer Associated with Chronic Wasting Disease in Medina County, Texas, Jae Edlin, Randy W. DeYoung, Damon L. Williford, and Mitch A. Lockwood

22. Prey Preferences of Western Cottonmouths in a Constructed Wetland in Northeast Texas, Eric W. Engelhardt, Zackary Delisle, Lani Lyman-Henley, and Johanna Delgado-Acevedo


24. Predator and Mesocarnivore Occurrence at Protein Feeders in the Trans-Pecos, Texas, Christian A. Guajardo and Thomas S. Janke

25. Direct Impact from Hurricane Harvey on Gamebirds in the Coastal Prairie of Texas, Nicole A. Hansen


27. Rapidly Increasing Invasion by Chinese Tallow in Southeast United States, Samantha M. Heldman, Miranda Peterson, Christopher Vasquez, Zakary Derouen, Hsiao-Hsuan "Rose" Wang, William E. Grant, and William E. Rogers


30. Determining a Sustainable Harvest Rate for Collared Peccary, Matthew Hewitt, Austin Killam, Randy DeYoung, David Hewitt, and Stephen Lange
31. Infectivity and Transmission of Reticuloendotheliosis Virus in Northern Bobwhite, Melissa K. Hopkins, Brittany Stewart, Camille Trautman, Josh Katuri, Thomas W. Schwertner, Jeff Breeden, and Dustin Edwards
32. Modeling Foraging Habitat for Shorebirds in the Laguna Madre, Mikayla M. House and Bart M. Ballard
33. Effects of Red Imported Fire Ants on the Arthropod Community Associated with Green-flowered Milkweed Plants Occupied by Monarch Butterfly Eggs and Larvae, Kalynn L. Hudman, Howard Crenshaw, Jeremy Mayhew, and Jeff Kopachena
34. Growth Patterns of Captive Hatchling Alligators, Javier Huerta, David Campbell, Scott E. Henke, and Cord B. Eversole
37. Estimation of Deepwater Horizon Oil Spill Effects on Population Dynamics of the Loggerhead Sea Turtle, Madeline L. Jones, Hannah Gerke, Hsiao-Hsuan "Rose" Wang, and William E. Grant
38. Social Hierarchy Position of Lactating White-tailed Does in an Enclosed Population at Pelleted Feed Stations, Austin K. Killam, Ty Elliott, Emily H. Belser, David G. Hewitt, Timothy E. Fulbright, Charles A. DeYoung, David B. Wester, and Don A. Draeger
39. Influence of Forest Structural Characteristics on Hardwood Growth in Open Pine Woodlands, Megan L. Knippers, Landon R. Emmert, Tamara B. Wood, Christopher E. Comer, and Roger W. Perry
42. Understanding Human and Livestock Use of Space in Tiger Habitat in Chitwan National Park, Nepal: An Occupancy Modeling Approach, Tiffany C. Leitner and Hemanta Kafley
43. Macro- and Micro-habitat Effects of Ocelot Occupancy, Jason V. Lombardi, Michael E. Tewes, Humberto L. Perotto-Baldivieso, Jose M. Mata, Shelby Carter, Daniel Kunz, and Tyler A. Campbell
45. Biological Invasion and Coexistence in the Southeast United States, Yovana Marinkovic, Alexandra Bishop, Katherine Carbajal, Hsiao-Hsuan “Rose” Wang, Tomasz E. Koralewski, and William E. Grant
48. Evaluations of Morbillivirus Exposure to Bottlenose Dolphins Following the Deepwater Horizon Oil Spill, Annie M. Montgomery, Hsiao-Hsuan "Rose" Wang, and William E. Grant
50. American Kestrel Nest Survival and Productivity in the Llano Estacado of Texas, Madeleine Thornley, Shea Mullican, and Clint Boal
55. Overwinter Survival and Habitat Use of Baird's and Grasshopper Sparrows in the Marfa Grasslands, Texas, Denis J. Perez-Ordonez, Fabiola Baeza-Tarin, Mieke Titulaer, Louis A. Harveson, and Erin H. Strasser
56. Prevalence of Avian Trichomoniasis in 3 Species of Dove in and around the City of San Angelo, Texas, USA, Kelly A. Persinger and Ben R. Skipper
57. Returning the Louisiana Pine Snake to Restored Habitat, Josh B. Pierce, Craig Rudolph, Steve Reichling, and Emlyn Smith
58. Home Range of Translocated Pronghorns in the Trans-Pecos Region of Texas, Howell A. Pugh, Louis A. Harveson, Whitney J. Gann, and Shawn S. Gray
60. Assessing Wildlife Permeability of a South Texas Highway, Joshua D. Renner, Michelle E. Adcock, Michael C. Green, and Thomas R. Simpson
61. Wildlife Use of Road Mitigation Structures Pre- and Post-construction Along a South Texas Highway, Anna D. Rivera, Tiffany Cogan, Kevin Ryer, John H. Young, and Richard J. Kline
62. Roost Use by Rafinesque’s Big-eared Bats in an Upland Forest of South Carolina, Jacob A. Rogers, Eric A. Winters, and Susan C. Loeb
63. Sifting Through the Soup: Developing an Environmental DNA Assay for Threatened Amphibians, Krista Ruppert, Evan Bare, Richard Kline, and Saydur Rahman

64. Landscape Genetic Analysis of Mule Deer to Guide Management for Chronic Wasting Disease, Gael A. Sanchez, Randall W. DeYoung, Damon L. Williford, David G. Hewitt, Timothy E. Fulbright, Humberto Perotto-Baldivisco, Louis A. Harveson, and Shawn Gray

65. Effects of Livestock Grazing on Grassland Abundance and Ecosystem Health, Katherine J. Sauer, Kaitlyn M. Williams, Ryan O'Shaughnessy, Ryan S. Luna, and Dan Collins


67. Landscape Connectivity for Lesser Prairie Chickens on the Southern High Plains of Texas and New Mexico, Lucas J. Schilder, Nancy E. McIntyre, Samuel Harryman, Christian A. Hagen, Russell Martin, Blake A. Grisham, and Clint W. Boal


69. Survey of Helminth Parasites in Scaled Quail from Southern Texas, Taylor R. Shirley, Nicole J. Traub, and Alan M. Fedynich


74. Effects of Food Enrichment on Aggressive Behavior of Captive Northern Bobwhite, Cameron Strey, Stefanie G. Aguallo, Kari D. Waddle, Heather A. Mathewson, and Kimberly A. Guay

75. The Use of Prescribed Fire, Herbicide Application, and Native Plants to Restore Bottomland Blackland Prairie in a Constructed Wetland Matrix, Canaan A. Sutton and Johanna Delgado-Acevedo

76. Investigating Factors that Influence Northern Bobwhite Chick Survival, Veronica A. Urbanczyk, Brad Dabbert, and Theron Terhune

77. Weather Patterns and Vegetation Structure Affect the Spatial Distribution of Small Mammals in a Lubbock, Texas Rangeland Site, Katelyn R. Vedolich, and Kerry L. Griffis-Kyle

78. Quail Habitat Restoration in Areas Dominated by Non-native Grass, Ellart J. Vreugdenhil, Alexandra M. Sigg, Brandon J. Palmer, Geron G. Gowdy, Benjamin R. Olsen, Timothy E.
Fulbright, Eric D. Grahmann, Michael W. Hehman, Fidel Hernandez, Keith Pawelek, Forrest Smith, and David B. Wester

79. Migration, Wintering Movements, and the First Return to the Breeding Range of Fledgling Swainson's Hawks, Katheryn A. Watson, Clint W. Boal, and James D. Ray

80. Testing Efficacy of Acoustic Deterrents for Reducing Bat Fatalities in Southern Texas, Sara P. Weaver, Cris D. Hein, and Ivan Castro-Arellano

81. Chorioptic Mange in White-tailed Deer, Tiffany Weisheit-Pope, Scott E. Henke, and Clay Hilton

82. Factors Influencing Nesting Success of Songbirds in a Bison-grazed Landscape, Daniel C. Wilcox, Heather Mathewson, and Conor Mclnerney

83. Accumulation of Radiocesium in Bullfrog Tadpoles in a Contaminated Effluent Canal on the Savannah River Site, Kaitlin C. Wilms, James C. Leaphart, Albert L. Bryan, and James C. Beasley

84. Effects of Several Flavors on Feed Selection Behavior in Feral Hogs, Mikayla R. Wommack, J. Baker, and Kimberly A. Guay

85. A Carrying Capacity Estimate for Pronghorn Populations in the Trans-Pecos Region of West Texas, Autumn E. Yarosz, Whitney J. Gann, Louis A. Harveson, and Shawn S. Gray

86. Spatial Distributions of Nilgai Antelope Latrines: Implications for Control of Cattle Fever Ticks, Lisa D. Zoromski, Randy W. DeYoung, John A. Goolsby, Aaron A. Foley, J. Alfonso Ortega-S, David G. Hewitt, and Tyler A. Campbell

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The USDA-Natural Resources Conservation Service works one-on-one with landowners across the nation to help them improve wildlife habitat while still meeting their agriculture production goals. They offer both financial and technical assistance to implement conservation practices.

The Texas A&M AgriLife Extension booth will focus on a program called ‘Reversing the Quail Decline Initiative’, which seeks to address the decades-long decline of quail populations in Texas by providing access to educational resources for quail conservation and management.
Texas A&M University Press was established in 1974 to support the university’s goals of stimulating scholarly discourse; we are today counted among the top public university presses in America. We publish more than 60 titles a year, which are available in print, on-demand, and electronic editions. Our publications consistently win competitive grants and prestigious awards.

Texas Brigades is a 501©3 organization with a vision of building conservation leaders in every community. Our mission is to education and empower youths with leadership skills and knowledge in wildlife, fisheries, and land stewardship to become conservation ambassadors for a sustained natural resource legacy across Texas.

Texas Agricultural Land Trust (TALT) promotes the conservation of open space, wildlife habitat, and natural resources on Texas’ private working lands, partnering with landowners to conserve 225,887 acres. Created by farmers and ranchers, for farmers and ranchers, Texas Ag Land Trust is proud to play a role in conserving part of Texas’ legacy of wide open spaces.

Texas Parks and Wildlife Department's (TPWD) mission is to manage and conserve the natural and cultural resources of Texas and to provide hunting, fishing, and outdoor recreational opportunities for the use and enjoyment of present and future generations. Texas Nature Trackers tracks the status of wild plant and animal populations throughout Texas.
Texas Parks and Wildlife Foundation’s mission is to provide private support to Texas Parks and Wildlife Department to ensure that all Texans, today and in the future, can enjoy the wild things and wild places of Texas.

The Department of Natural Resources Management at Texas Tech University offers graduate (M.S. and Ph.D.) and undergraduate (B.S.) degrees for students seeking careers in range, wildlife, or fisheries.

Texas Wildlife Association (TWA) is a statewide membership organization that serves Texas wildlife and its habitat, while protecting property rights, hunting heritage, and the conservation efforts of those who value and steward wildlife resources.

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**Sight Glass Flights** is a drone service company with a passion for wildlife stewardship. We are leading advancements in survey methodology through the use of high-resolution drone-mounted thermal sensors. This non-intrusive, safe and effective method is proving to be highly accurate. We are excited about providing reliable survey data to ranch owners, managers, and biologist across Texas.
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