

Texas Conservation Symposium 2018

Registration will take place in the lobby of the Olin Building, Southwestern University. All talks will take place in Olin 105.

7:30 am	Registration
8:30 am	Welcome to the Texas Conservation Symposium 2018 Gary Boyd, Director, Environmental Programs at Williamson County Welcome to Southwestern University Alisa Gaunder, Dean of the Faculty, Southwestern University
8:40 am	Keynote Address: Responses of Central Texas rainfall to various climate forcings and mean states in the late Quaternary. Christopher R. Maupin, Ellen Bartow-Gillies, E. Brendan Roark, Jenny Chou, Chuan-Chou Shen, Stephen Van Kampen-Lewis, Kemble White
9:30 am	Surface and subsurface abundance of Barton Springs salamanders. Nathan F. Bendik
9:45 am	Genomic approaches provide insights into conservation of Texas <i>Eurycea</i> . Andrew Corbin, Andy Gluesenkamp, Todd Castoe, Paul Chippindale
10:00 am	Occupancy and distribution of Jollyville Plateau Salamanders (<i>Eurycea tonkawae</i>) within and outside of designated critical habitat units. Zachary C. Adcock and Michael R.J. Forstner
10:15 am	Preliminary observations: Documenting aquatic vertebrates that inhabit floating, invasive macrophytes in Spring Lake, San Marcos, Texas. Austin Bohannon and Michael Forstner
10:30 am	Break
10:45 am	An unusual occurrence of the Jollyville Plateau Salamander (<i>Eurycea tonkawae</i>) and its paleoenvironmental context: Davis Spring, Williamson County, Texas. S. Christopher Caran

11:05 am	Update and implications of spring restoration project at San Gabriel Park, Georgetown, TX. William Andrew Carman (Drew) and Ashley Wall
11:25 am	Reexamination of the historic range of the Houston Toad (<i>Bufo houstonensis</i>). Andrew R. MacLaren and Michael R.J. Forstner
11:40 am	Evaluating the detection of seasonally present, pond-breeding amphibians using environmental DNA: a case study with the Houston Toad (<i>Anaxyrus houstonensis</i>). William Keitt, Dittmar Hahn, David Rodriguez, and Michael R.J. Forstner
12:00 pm	Lunch
12:50 pm	A history of fire, woodlands, and carbon for the Balcones Canyonlands National Wildlife Refuge. Joseph D. White, William C. Hockaday, Rebecca J. Sheesley, and Darrel B. Murray
1:10 pm	Fire, woodlands, and atmospheric carbon emissions during burns in the Balcones Canyonlands National Wildlife Refuge. Tommy Watson, Subin Yoon, Marie Stephenson, Joseph D. White, William C. Hockaday, and Rebecca J. Sheesley
1:30 pm	Soil black carbon erosion and sediment black carbon accumulation at Balcones Canyonlands National Wildlife Refuge. William Hockaday, Joseph White, Jian Yao, Eugenie Schieve, Rebecca Sheesley
1:45 pm	Using a robust capture-mark-recapture model to estimate population size of the Rio Grande Cooter (<i>Pseudemys gorzugi</i>) at the Devils River in Texas. Shashwat Sirsi, Andrew R. MacLaren, Daniel H. Foley III, and Michael R.J. Forstner
2:00 pm	Conservation genetics of Texas horned lizards (<i>Phrynosoma cornutum</i>). Dean A. Williams, Amanda M. Hale, Ashley E. Wall, and Daniella Biffi

2:15 pm	When specialists generalize: modified diets of Texas Horned Lizards (<i>Phrynosoma cornutum</i>) living in small Texas towns. Rachel Alenius and Dean Williams
2:30 pm	Dunes Sagebrush Lizard and the Endangered Species Act: an update on potential threats, possible conservation measures, and a new status review. Amanda Aurora, Nicole Smolenksy, and Shelby Frizzell
2:45 pm	How the H-Snake lost its Hs: Mendelian inheritance and geographic distribution of the Blonde- phase of the Trans-Pecos Ratsnake (<i>Bogertophis subocularis</i>). Dustin D. Rhoads
3:00 pm	Break
3:15 pm	Update: Assessing challenges and identifying strategies for managing localized contributions/effects of the Monarch migratory flyway. Katie Boyer
3:25 pm	Understanding the Balcones Fault Zone – implications for biogeography and conservation in Central Texas. Kemble White
3:45 pm	Status update for the Bone Cave Harvestman (<i>Texella reyesi</i>) under the Endangered Species Act. Stephen Van Kampen-Lewis and Rebecca Barho
4:05 pm	Methods in low visibility freshwater mussel surveys. David McBee
4:25 pm	Impacts of conservation and mitigation on rates of Golden-cheeked Warbler (<i>Setophaga chrysoparia</i>) habitat change. Nancy A. Heger
4:45 pm	Refugia efforts associated with the Edwards Aquifer Habitat Conservation Plan. Chad Furl
5:00 pm	Announcement of winners of student presentations. Wrap up of symposium.

NOTES:

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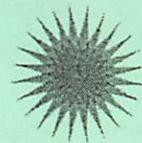
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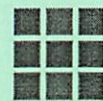
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