

Society for Ecological Restoration, Texas Chapter & Texas Riparian Association

Joint Conference

The New Ecology: Managing for Resilience in a Changing World

November 1-2, 2013

Texas Tech University, Llano River Field Station

Junction, Texas

Schedule of Events

TXSER/TRA Friday, November 1, 2013 Field Trips, Opening Reception, Keynote Address	
9:00 am – 4:00 pm	Field Trip 1. Texas AgriLife Research Station at Sonora. Meet at the pavilion outside of Packard Hall.
9:00 am – 12:00 pm	Field Trip 2. Riparian Workshop. Meet at Packard Hall North.
1:30 pm – 5:00 pm	Field Trip 3. Paddle the South Llano River. Meet at stone wall outside the Dining Hall.
10:00 am – 12:00 pm	Field Trip 4. Campus and Phase 1 Discovery Point Trail Tour. Meet in foyer of Academic Building B.
4:30 pm	Mixer/Opening Reception. Pavilion across from Packard Hall.
6:00 pm	Dinner. Dining Hall.
7:00 pm	Keynote Speaker. John Zak. Associate Dean, TTU College of Arts and Sciences and Professor of Soil Biology. Title: <i>Why Does Everything in Texas Have to be Big? - Understanding Ecological Responses to Climate Variability Across a Big State.</i>
8:00 – 11 pm	Resume mixer at Pavilion.
TXSER/TRA Saturday, November 2, 2013 Presentations, Posters, Business Meetings, Awards	
6:45 am – 7:45 am	Breakfast. Dining Hall (for those staying at TTU).
8:00 am	Welcome and Introduction. Tom Arsuffi, Director, Llano River Field Station, Texas Tech University.
8:25 am	Saturday Evening Raffle Overview. Emily Neiman, Native American Seed.
8:30 am	Plenary 1. Jacquelyn Duke, Senior Lecturer in Biology and the Baylor Interdisciplinary Core (BIC) Program, Baylor University. Title:
9:15 am	Plenary 1. Christine Hawkes, Associate Professor of Integrative Biology, College of Natural Resources, The University of Texas at Austin. Title: <i>Understanding and Mitigating Soil Legacies to Improve Restoration Success.</i>
10:00 am – 10:20 am	Break. Foyer Academic Building (B).

TXSER/TRA	
Session I	
Saturday, November 2, Room 115 Academic (B)	
Moderator:	
10:20	1. <i>Using Watershed Planning Activities and Technology to Convey Riparian Management Messages in the Trinity River Basin of Texas.</i> Blake Aldredge, Texas A&M University
10:40	2. <i>The New Ecology: Managing for Resilience in a Changing World.</i> Kevin Anderson, Austin Water Utility-Center for Environ. Research
11:00	3. <i>Water Quality Standards and TMDLs: Foundations of the Clean Water Act.</i> Mike Bira, Environmental Protection Agency
11:20	4. <i>Mitigating the Impacts of Oil and Gas Development in the "Last Great Habitat": The Eagle Ford Shale.</i> Chase Currie, San Pedro Ranch
11:40	5. <i>Arundo donax Control and Restoration on Lady Bird Lake in Austin, TX.</i> Mary Gilroy, City of Austin, Watershed Protection Department, Environmental Resources Management Division
12:00-1:20	Lunch & Business Meetings
Moderator:	
1:20	6. <i>Age of Residential Development and Recipient Habitat Explain the Distribution and Abundance of Invasive Woody Plants in Central Texas Woodlands.</i> Gabriel De Jong, Plant Biology, University of Texas at Austin
1:40	7. <i>Grow Zones: Function Over Form in Riparian Restoration of Urban Creeks.</i> Ana González, City of Austin, Watershed Protection Department, Environmental Resources Management Division
2:00	8. <i>Novel Landscapes: Challenges and Opportunities for Design Education.</i> Sarah Dooling, School of Architecture & Environmental Science Institute, The University of Texas at Austin
2:20	9. <i>Reconnecting a Community to the Creek: The J.J. Seabrook Stream Restoration, Rain Garden, and Urban Trail Project.</i> Kristin Pipkin and Michelle Adlong. City of Austin, Watershed Protection Dept.
2:40	10. <i>Comparing and Contrasting Grassland Conservation Efforts: Urban Prairies and Landscape-Scale Restoration.</i> Justin Fischer. University of North Texas
3:00	11. <i>Does Ecotopic-Based Genetic Diversity Improve Productivity? A Mesocosm Study with Spartina alterniflora.</i> Courtney Lee. Texas A&M University, Galveston
3:20	Break for Refreshments
Moderator:	
3:40	12. <i>Management and Control of Buffelgrass and Kleberg Bluestem to Promote Native Vegetation.</i> Eric Grahmann. CKWRI, Texas A&M University, Kingsville
4:00	13. <i>Development of a Regional Scale Tool to Assess Riparian Integrity in Austin, Texas.</i> Aaron Richter. City of Austin, Watershed Protection Department, Environmental Resource Management Division

4:20	14. <i>A Preliminary Report on Northern Bobwhite Quail Reintroduction at Lewisville Lake Environmental Learning Area (LLELA).</i> Ken Steigman, Institute of Applied Science, University of North Texas; LLELA
4:40	15. <i>Proactive Management of Aquatic Invasive Species Through a Watershed Protection Plan and Partnerships, Upper Llano River, Texas.</i> Emily Seldomridge. Llano River Field Station, Texas Tech University
5:00	16. <i>Invasive Species Data Collection: An Ecological Approach to a Complex Problem.</i> Dan Krenzelok. City of Austin, Planning and Development Review Department, City Arborist Program
5:40 – 7:00	Posters and Social Foyer Academic (B)
7:00 -	Dinner Banquet/Awards Dining Hall

TXSER/TRA Session II Saturday, November 2, Room 113 Academic (B)	
Moderator:	
10:20	17. <i>Remnant Prairie Reclamation in an Urban Landscape, Houston, Texas.</i> Stephen Benigno & Carolyn White, Harris County Flood Control District
10:40	18. <i>An Analysis of Shoreline Stabilization with Coir Logs for Austin, Texas.</i> Andrew Clamann, City of Austin, Watershed Protection Department, Environmental Resources Management Division
11:00	19. <i>Application of a Floristic Quality Index to Determine Vegetation Trend on the Clymer Meadow Preserve, Hunt County, Texas</i> Charlotte Reemts, The Nature Conservancy
11:20	20. <i>Identifying Alteration of Natural Flow Regimes to Assess Stream Health: A Summary of Two EPA Region 6 Healthy Watershed Projects.</i> Brian Fontenot, Environmental Protection Agency
11:40	21. <i>Burning and Grazing Exotic-Grass Monocultures to Manage Northern Bobwhite Habitat.</i> Eric Grahmann, CKWRI, Texas A&M University, Kingsville
12:00-1:15	Lunch & Business Meetings
Moderator:	
1:20	22. <i>Hydrologic Response of Hillslope Seeps and Headwater Streams of the Fort Worth Prairie.</i> Shannon Jones, Department of Environmental Science, Texas Christian University
1:40	23. <i>Keep off the Grass? Mechanical vs. Hand Thinning in the Eastern Hill Country.</i> Devin Grobert, City of Austin, Wildland Conservation Division
2:00	24. <i>Assessment of Riparian Vegetation Sensitivity to River Hydrology Downstream of a Major Texas Dam.</i> Blake Alldredge, Texas A&M University
2:20	25. <i>Utilizing Mechanisms of Competition to Guide Integrated Pest Management of KR Bluestem (Bothriochloa ischaemum).</i> Kelly Lyons, Department of Biology, Trinity University
2:40	26. <i>San Marcos River Habitat Conservation: An Experience in Sustainable Riparian Restoration in City Parks I.</i> Melani Howard and Vincent Debrock, Heritage Tree Care LLC, City of San Marcos
3:00	27. <i>San Marcos River Habitat Conservation: An Experience in Sustainable Riparian Restoration in City Parks II.</i> Melani Howard and Vincent Debrock, Heritage Tree Care LLC, City of San Marcos
3:20	Break for Refreshments
Moderator:	

3:40	28. <i>Slender Rush-Pea (Hoffmannseggia tenella): Conservation Through Management - A Case Study.</i> Ashley McCloughan, Department of Animal, Rangeland, and Wildlife Sciences & CKWRI, Texas A&M University, Kingsville
4:00	29. <i>Landa Lake Invasive Species Removal Project.</i> Eric Munscher, SWCA Environmental Consultants
4:20	30. <i>Detection Probability for a Cryptic, Endangered Cactus: Implications for Restoration and Conservation.</i> Charlotte Reemts, The Nature Conservancy
4:40	31. <i>Seeds of Change: A Progressive Approach to Sustainable Urban Stormwater Drainage Management.</i> Michelle Villafranca, Fort Worth Nature Center & Refuge
5:00	32. <i>Ecological and Societal Resistance to Prescribed Extreme Fire Inhibit Management Efforts to Restore Degraded Texas Rangelands: Can We Overcome These Constraints?</i> William Rogers, Department of Ecosystem Science & Management, Texas A&M University, College Station
5:40 – 7:00	Posters and Social Foyer Academic (B)
7:00 -	Dinner Banquet/Awards Dining Hall

TXSER/TRA Session III Saturday, November 2, Room 111 Academic (B)	
Moderator:	
10:20	33. <i>Alternate Prairie Restoration Strategies Implemented at Lewisville Lake Environmental Learning Area (LLELA) to Address Extended Drought Conditions.</i> Ken Steigman, Institute of Applied Science, University of North Texas; LLELA
10:40	34. <i>Arundo donax on the Blanco River.</i> Rachel Ranft, The Nature Conservancy
11:00	35. <i>Habitat Restoration Over 24 Years on a Central Texas Ranch: Methods and Results on Heavily Browsed and Over Grazed Land Invaded with Exotic Species.</i> David Mahler, Environmental Survey Consulting
11:20	36. <i>An Urban Riparian Restoration Program at the Human-Ecology Interface.</i> Mateo Scoggins, City of Austin, Watershed Protection Department
11:40	37. <i>Ecoculture: Emergence in Urban Ecology.</i> Matt Welch, City of Austin, Watershed Protection Department, Environmental Resource Management Division
12:00-1:15	Lunch & Business Meetings
Moderator:	
1:20	38. <i>Restoration of Native Submersed Aquatic Vegetation for Endangered Species: Year One.</i> Casey Williams, Bio-West, Inc.
1:40	39. <i>Drought-Induced Woody Plant Mortality and Community Composition Shifts in an Encroached Texas Savanna: Comparing the 1950s and the 2000s.</i> Carissa Wonkka, Department of Ecosystem Science & Management, Texas A&M University, College Station
2:00	40. <i>Role of Natural Resource Literacy in Ecological and Riparian Restoration Success.</i> Tom Arsuffi, Texas Tech University, Llano River Field Station
2:20	41. <i>Boggy Creek Riparian Restoration: Willowbrook Reach Case Study.</i> Staryn Wagner, City of Austin, Watershed Protection Department
2:40	42. <i>Top 5 Tips for Working on Stream Projects with Teens: Lessons from Austin Youth River Watch.</i> R. Brent Lyles, Austin Youth River Watch
3:20	Break for Refreshments
Moderator:	
3:40 – 5:40	43. <i>The Hydrologic Cycle: Restoring Hydrologic Function via Ecological Enhancement or Making the Rain That Does Fall More Effective from Healthy Uplands to Continuous Base Flow.</i> Elisabeth Welsh, Austin Youth River Watch
5:40 – 7:00	Posters and Social Foyer Academic (B)

7:00 -	Dinner/Banquet Dining Hall
--------	---

TXSER/TRA Poster Session - 5:40 – 7:00 Saturday, November 2, Foyer and Halls Academic (B)	
	<p>44. <i>Assessing Ashe's Juniper (Juniperus ashei) Mode of Removal on Grassland Species Composition in the Texas Hill Country.</i> Cade Bradshaw & Elizabeth Van Horn, Department of Biology, Trinity University</p>
	<p>45. <i>Interactive Effects of Prescribed Fire and Grazing on Woody Encroachment and Invasive Grass Abundance in a Southeastern Texas Coastal Prairie.</i> Michele Clark, Department of Ecosystem Science & Management, Texas A&M University, College Station</p>
	<p>46. <i>Quantitative and Qualitative Assessment of a Proposed Method for Chemical Abstraction of Diatoms from a Clay Soil Matrix.</i> Francisco Colon, Dept. of Natural Sciences, University of Houston-Downtown</p>
	<p>47. <i>Characteristics of Stock-Piled Topsoils in the Western Rio Grande Plains.</i> Mylea Coston, South Texas Natives & Texas Native Seed Projects, CKWRI, Texas A&M University, Kingsville</p>
	<p>48. <i>Effects of Tanglehead (Heteropogon contortus) Invasion on Ecosystem Processes in the Texas Coastal Sandsheet.</i> Joshua Grace, CKWRI, Texas A&M University, Kingsville</p>
	<p>49. <i>Diatom Succession at the Green Bayou Wetlands Mitigation Bank, The Tenth Year of a Ten-Year Study.</i> Leah Mulkey, University of Houston-Downtown</p>
	<p>50. <i>Determining Impact of Small Mammal and Insect Herbivory and Transplant Resilience of the Federally Endangered Navasota Ladies'-Tresses (Spiranthes parksii).</i> Deseri Nally, Department of Ecosystem Science and Management, Texas A&M University, College Station</p>
	<p>51. <i>Life History of the Endangered Poppy, Argemone pleiacantha Subsp. pinnatisecta, Along an Elevational Gradient.</i> Nicole Ortiz, Department of Ecosystem Science and Management, Texas A&M University, College Station</p>
	<p>52. <i>Season of Prescribed Burning on Old World Bluestems.</i> Adam Toomey, Department of Animal, Rangeland, and Wildlife Sciences & CKWRI, Texas A&M University, Kingsville</p>
	<p>53. <i>Riparian Reference Plant Composition Study and Template.</i> Staryn Wagner, City of Austin, Watershed Protection Department</p>
7:00 -	Dinner Banquet/Awards Dining Hall