



TAMARISK COALITION'S
RESEARCH AND MANAGEMENT CONFERENCE

ADVANCING RIPARIAN RESTORATION IN THE WESTERN U.S.

FEBRUARY 10-12, 2015

AGENDA

MONDAY, FEBRUARY 9, 2015

5:00 pm - 7:00 pm	Optional Pre-Conference Check-In located at Garduño's Restaurant & Cantina in Hotel Albuquerque	Say hello, check-in and pick up conference materials. A note to our presenters and exhibitors: avoid the morning rush - upload your presentation with us or set up your poster or exhibit during this time.
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TUESDAY, FEBRUARY 10, 2015

7:00-8:00	Registration and Light Breakfast - North Atrium	
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Time	Speaker	Presentation Title
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ALVARADO, ROOM D

8:00-8:15	Stacy Beaugh, Tamarisk Coalition	Welcome and Opening Remarks
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8:15-8:40	Everette Chavez, Santo Domingo Pueblo	Keynote Address
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Plenary Session

THE PULSE OF THE WEST - ALVARADO, ROOM D

8:40-9:10	Peter Culp, Squire & Sanders	Minute 319 Negotiations
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9:10-9:40	Jennifer Pitt, Environmental Defense Fund	Conjuring a River: The 2014 Pulse Flow in the Colorado River Delta
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9:40-10:10	Osvel Hinojosa Huerta, Pronatura Noroeste	Restoration on the Delta
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10:10-10:35	BREAK - 25 minutes	
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Concurrent Session

PARTNERSHIP AND COMMUNITY - ROOM D		CHANGES OVER TIME - ROOM A/B	
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10:35-11:00	Dan Shaw, Bosque School	Citizen Science and a Labor of Love: The Labor is Not Free Yet They Love Their Science	Paul Tashjian, Fish and Wildlife Service	Historic Landform Process Models: A Key to Successful Wetland and Riverine Restoration
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11:00-11:25	Mike Wight, Southwest Conservation Corps & Dave Bastian, Utah Conservation Corps	Restoration Innovation: Conservation Corps in the 21st Century	Eduardo González, Université de Toulouse, CNRS, University of Denver	A World Context for the Evaluation of Success in <i>Tamarix</i> Control Projects
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11:25-11:50	Mark Taber, Bureau of Land Management, Grand Junction Field Office	TBD	Raul Campos-Marquetti, Nathan Schroeder, Pueblo of Santa Ana, & Kim Eichhorst, Bosque Ecosystem Monitoring Program	Seeing the Forest without the Trees: Changes Following a Sudden Cottonwood Die-off in the Bosque
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11:50-12:15	Elizabeth Verdecchia, International Boundary and Water Commission	Collaborative Partnerships for Riparian Habitat Restoration of the Rio Grande	Conor R. Flynn, SWCA Environmental Consultants	Riparian Restoration In a Time of Changing Hydrographs: La Jencia Creek, NM
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12:15- 12:35	Peter Mueller, The Nature Conservancy	From Weeds to Willows, How Conservation Interests Partnered with Conservation Corps Groups and the BLM to Implement Landscape Scale Restoration on the Dolores River	Cynthia Dott, Fort Lewis College	Dynamics and History of Russian Olive Invasion on the San Juan River, Southeastern Utah
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12:35-1:35	LUNCH BREAK - 1 HOUR - BALLROOM E					
Concurrent Session						
RESTORATION CASE STUDIES - ROOM D				RESTORING FOR BIRDS - ROOM A/B		
1:35-2:00	Matthew Grabau, GeoSystems Analysis, Inc.	Non-Native Vegetation Clearing to Promote Native Tree Establishment following the Minute 319 Ecological Pulse Flow		Trevor Fetz, Hawks Aloft	Avian Response to Restoration Efforts in the Middle Rio Grande Bosque, Including Wetland Creation, and Potential Impacts of Current Restoration Activities on the Avian Community	
2:00-2:25	Karen Schlatter, Sonoran Institute	Large-Scale Restoration of the Colorado River Riparian Corridor in Mexico		Sean Mahoney, Northern Arizona University Biology Department	Investigating the Effects of Biocontrol of an Invasive Species on Riparian Bird Communities	
2:25-2:50	Ondrea Hummel, U.S. Army Corps of Engineers	Riparian Restoration in the Middle Rio Grande		Max Smith, USDA Forest Service Rocky Mountain Research Station	Wildfire, Climate Change, and Riparian-Nesting Birds in New Mexico	
2:50-3:15	Beth Bardwell, Audubon New Mexico	Rio Grande Environmental Water Transaction Program		Charles van Riper III, US Geological Survey & School of Natural Resources and the Environment	Influences of the Tamarisk Leaf Beetle (<i>Diorhabda carinulata</i>) on Birds Along the Dolores River in Southwest Colorado	
3:15-3:40	BREAK - 25 minutes					
Concurrent Sessions						
RESTORATION TOOLS - ROOM D			NEW MEXICO RIVER CASE STUDIES ROOM A/B		SUSTAINABLE FUNDING - ROOM F/G	
3:40- 4:05	Todd Caplan, GeoSystems Analysis, Inc.	Applied Research and Restoration Techniques for Creating Willow Wetland Habitat Along Regulated Rivers in the Southwestern United States		Steve Harris, Far-Flung Adventures/Rio Grande Restoration	Rio Chama Flow Project, a Collaborative, Multi-disciplinary Approach to Environmental Flows and Ecosystem Restoration	Jamie Nielsen, Tamarisk Coalition and Anna Schrenk, Verde Watershed Restoration Coalition The True Costs of Restoration
4:05- 4:30	Matthew Alan Bowker, Northern Arizona University	Restoring the Living Skin of the Earth: Can We Grow Biological Soil Crusts?		Dale Lyons, Dave Gori, Robert Findling, & Steven Bassett, The Nature Conservancy, New Mexico	SAN JUAN RIVER PANEL DISCUSSION: San Juan River Historical Habitat Assessment; San Juan Agricultural Efficiency Analysis; Habitat Restoration Projects on the San Juan River in the Navajo Nation and Monitoring protocols for the listed fish	Kristen Jespersen, Tamarisk Coalition Strategies for Achieving Sustainable Funding in Restoration
4:30-4:55	Aldo Pinon-Villarreal, New Mexico State University	Use of a Geoengineering Technique to Re-vegetate Riparian Areas of the Desert Southwest				Alan Hamilton, Rio Grande Return The Agony and the Ecstasy: A Reflection on 20 years of Grant Writing
4:55-5:15	Matt Grabau, GeoSystems Analysis, Inc.	Irrigation and Soil Moisture Monitoring to Support Riparian Habitat Creation and Maintenance on the Lower Colorado River				
5:15-5:20	CLOSING REMARKS					
5:30-7:30	POSTER SESSION & HAPPY HOUR - NORTH & EAST ATRIUM Join us for hors d'oeuvres and drinks at the informal Poster Session and Happy Hour! Socialize and talk with poster presenters and vendors, catch up with familiar faces, and network with new ones. Each attendee receives one complimentary glass of wine.					



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AGENDA

WEDNESDAY, FEBRUARY 11, 2015			
7:00-8:00	Registration & Light Breakfast - East Atrium		
8:00-8:05	Welcome and Opening Remarks		
Time	Speaker	Presentation Title	
Plenary Session			
LANDSCAPE SCALE RESTORATION: CONTEXT & RESOURCES - ALVARDADO, ROOM D			
8:05-8:30	Bruce Orr, Stillwater Sciences	Ecosystem Resiliency	
8:30-8:55	Ben Bloodworth, Tamarisk Coalition & Matt Johnson, Northern Arizona University	Update on the Expert Tamarisk Beetle Panel and Tamarisk Beetle Map	
8:55-9:20	Genevieve Johnson, Coordinator, Desert Landscape Conservation Cooperative & Kevin Johnson, Southern Rockies Landscape Conservation Cooperative	Desert Landscape Conservation Cooperative: Funding Opportunities, and the Science Produced Through Funded Projects	
9:20-9:45	Deborah Campbell, Deborah Campbell and Associates & Risa Shimoda, River Management Society	The Cross-Watershed Network (XWN)	
9:45-10:10	BREAK - 25 minutes		
Concurrent Session			
XWN INTERACTIVE WORKSHOP - ROOM D		SECONDARY WEEDS AND HERBICIDES - ROOM A/B	
10:10-10:35	Cross-Watershed Interactive Workshop: Collaborative Partnership Best Practices. Are you interested in starting a stakeholder group or collaborative partnership to address a common watershed issue? Or, are you in the midst of participating or coordinating such an effort? Come learn from various collaborative partnerships what their key to success is and best practices for implementing such an approach to watershed restoration.	Steve Ryder, Colorado Department of Agriculture	Meeting the Challenges of Noxious Weed Management in Colorado
10:35-11:00		Scott Nissen, Colorado State University	Kochia in the West: Dealing with Herbicide Tolerance and Multiple Generations
11:00-11:25		Jessica McKenney, Colorado Department of Agriculture, Palisade Insectary	An Update on the Biological Control of Russian Knapweed in the West
11:25-11:50		Sandra McDonald, Mountain West PEST	You Can't Make These Things Up
11:50-12:15		Debbie Morton, Dow AgroSciences	The Effect of Application Timing on Forb Tolerance to Milestone®
12:15-1:15	LUNCH BREAK - BALLROOM E		

Concurrent Session				
RESTORATION PLANNING AND PERMITTING - ROOM D			RESTORATION STRUCTURES AND EVAPOTRANSPIRATION- ROOM A/B	
1:15-1:40	Theresa Ruswick, Southwest Conservation Corps	Soil Testing Prior to Cottonwood Pole Planting Along the Dolores River	Tom Ryan, Metropolitan Water District of Southern California	Assessing the Potential Impact of Invasive Species Water Use on the Lower Colorado River
1:40-2:05	Chris Rasmussen, Eco Mainstream Contracting	Riparian Conservation and Restoration Planning on the Colorado River in Utah	William Tintor, United States Fish & Wildlife Service, National Wildlife Refuge System	Using a Landsat-based Tool (METRIC) to Test an Evapotranspiration Water Budget for Restored Tamarisk Forests at Bosque del Apache NWR
2:05-2:30	Debra Hill, U.S. Fish and Wildlife Service	Navigating the Endangered Species Act with Regards to Riparian Restoration	A.T. Cole, Pitchfork Ranch	Hinge-Felling: A Promising Grade Control Structure for Riparian Restoration
2:30-2:55	Glen Leverich & Bruce Orr, Stillwater Sciences	Acquiring Environmental Permits for Your Restoration Projects	Michael Scialdone, Village of Sandia	Benefits and Challenges to Constructed Restoration Features on the Rio Grande
2:55-3:20	BREAK - 25 minutes			
Concurrent Session				
TECHNOLOGY - ROOM D			RESTORATION TOOLS & BEETLE MOVEMENT - ROOM A/B	
3:20-3:45	Steve Vrooman, Keystone Restoration Ecology	Don't Throw Your Money in a Hole: Prioritizing Watershed Restoration Using Remote Sensing Technology (EARTH™ - Erosion Analysis and Restoration Techniques GIS Toolset)	Curtis Deuser, National Park Service	Integrating Tamarisk Biological Control and Site Restoration
3:45-4:10	Sinan Abood & Ann Maclean, US Forest Service	Utilizing the Riparian Buffer Delineation Model as a Utility in Restoring Native Riparian Vegetation in the Arid Southwest	Annie Henry, University of Denver	Patterns of Bio-control beetle-induced mortality of tamarisk on a county scale
4:10-4:35	Chad McKenna, GeoSystems Analysis, Inc.	Case Study: Using the iPad as an Riparian Restoration and Adaptive Management Tool	Dr. Carol Sutherland, New Mexico State University & New Mexico Department of Agriculture	Saltcedar Beetles in New Mexico: What's Up?
4:35-5:00	Rebekah Wallace, Center for Invasive Species & Ecosystem Health	Polygons and More New Features for the EDDMapS West App	James Tracy, Texas A&M University	Projecting the North American Distributions of Four Species of Introduced Old World Tamarisk Beetles Using Ecological Niche Models
5:00-5:05	CLOSING REMARKS			



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FIELD TRIP AGENDA

THURSDAY, FEBRUARY 12, 2015

Time	Speaker	Activity	Description
<p>All field trips will depart from the lobby of Hotel ABQ promptly at 7:30 am and return at 12:00 pm. Light snacks will be provided. Field trip attendees are encouraged to enjoy breakfast at Garduño's Restaurant & Cantina located in Hotel Albuquerque (open at 6:00 am) and lunch in Old Town upon return. Cost of breakfast and lunch is not included in the field trip.</p>			
7:30 am-12:00 pm	Nathan Schroeder & Alan Hatch: Department of Natural Resources, Pueblo of Santa Ana	Field trip to a restoration site at the Pueblo of Santa Ana	The Pueblo of Santa Ana has been actively engaged in riparian restoration since 1996. Work has focused on the Rio Grande six miles of which are within the Pueblo's borders. The tour will begin at the Hyatt Tamaya Spa and Resort and discuss the first project undertaken at the Pueblo. From there, we will walk down to the Rio Grande and discuss in-stream work. At this point, the group will be given a choice to see past and current project work including willow swales, seeding and planting, and grassland reconstruction; future challenges including shrub invasion and overstory die-off will also be discussed. The Pueblo's tours are generally informal with much of the discussion occurring between the points of interest. All sites are accessible by foot and most will be along established trails.
7:30 am-12:00 pm	Michael Scialdone: Pueblo of Sandia Environment Department, Village of Sandia	Field trip to a restoration site at the Pueblo of Sandia	We will head west from the Pueblo of Sandia Village toward the Rio Grande. En route we will pass farm/ag fields and the outer portion of the Romero Fire that burned 300 acres in June of 2012. Once at the river, we'll walk through various features of a restoration project undertaken by the U.S. Army Corps of Engineers and ponds created by the Pueblo of Sandia. These features are designed to reduce depth to, or expose, ground-water, which has dropped several feet in the last 40 years. Where these features are close to the river, they are able to get inundated during spring run-off and/or flood events, creating floodplain habitat. Portions of this area were also burned in the Romero Fire. Planting and seeding took place afterward with limited success both because the area is grazed by cattle and the depth to ground-water is too great. Though the rains hit shortly after the seeding took place, it took two years for the site to show results, with conditions steadily improving. The numerous benefits and challenges of these features can be discussed. There is also a Tree of Heaven patch in the area and the many challenges of dealing with this particular invasive plant will be discussed.
7:30 am-12:00 pm	Ondrea Hummel: Ecologist, USACE, Paul Tashjian: Hydrologist, FWS, Jennifer Ownen-White: Refuge Manager, FWS, Will Barnes: New Mexico State Land Office, Trevor Fetz: Hawks Aloft, Jennifer Schuetz: Science Coordinator, BEMP	Field trip touring riparian restoration in south Albuquerque	Explore the Valle de Oro National Wildlife Refuge on 2nd Street in South Albuquerque. We will first tour the eastern part of the Refuge and discuss planning aspects of the project. We will then head to the Western end of Valle do Oro and stop at a Bosque Ecosystem Monitoring Program (BEMP) Site and hear an overview of Refuge Wetland Design/ Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) and the BEMP Program. Along the way we will compare BEMP sites and discuss BEMP and U.S. Army Corps of Engineers beetle monitoring data. The tour will conclude with an overview of a U.S. Army Corps of Engineers 5c site.