

RIPARIAN RESTORATION WORKSHOP

*Barr Lake State Park
September 18, 2014*



Riparian Restoration Workshop

**Barr Lake State Park
September 18, 2014**

- Location:** Barr Lake State Park – Meadowlark Pavilion
(NOTE: Pavilion is open – dress for outdoor weather)
- Date:** September 18, 2014
- Time:** 8:00 AM – 3:30 PM (Banding Station opens at 7:00 AM)
- Cost:** Free
- Registration:** RSVP to riparian918@gmail.com
Deadline: September 12, 2014.

AGENDA

- 7:00 AM** Rocky Mountain Bird Observatory Bird Banding Station
- 8:00 AM** Registration, coffee and bagels at Pavilion
- 8:45 AM** Workshop attendees visiting the Banding Station will be shuttled from Banding Station to Pavilion

MORNING SESSION

- 9:00 AM** **Welcome** - Boyd Lebeda – Colorado State Forest Service
Michelle Seubert – Barr Lake State Park
Keith Wood – Colorado State Forest Service
- 9:15 AM** **Effects of Russian Olive Removal on Species Diversity; Yuma County Republican River**
Dr. Andrew Norton, and Dr. Gabrielle Katz, Colorado State University
- 10:00 AM** *Coffee break*
- 10:15 AM** **Habitat Restoration** Panel presentations
- ◆ **Native Plant Seed Inventory**
Larry Vickerman, Director, Denver Botanic Gardens, Chatfield.

◆ **Water Quality**

Steve Lundt, Metro Wastewater Reclamation District

◆ **Using Volunteers for Habitat Restoration**

Jesse Roehm, Mile High Youth Corps & Lukas McNally, Wildlands Restoration Volunteers

- 11:15 AM** Panel Question and Answer
- 11:30 AM** Complimentary Lunch in Pavilion
- 12:10 PM** Overall Project Base Station (**Station 1**) at Pavilion – *Boyd Lebeda, CSU Forestry*
- 12:30 PM** Shuttle boarding for transport to stations (*see schedule & descriptions below.*)
- 3:00 PM** Raffle/Wrap Up/Event Evaluation

STATION DESCRIPTIONS

- Station 2** **RMBO** – Seth Gallagher, RMBO Stewardship Director, *How Planting Natives Benefits Wildlife: Stories from restoration projects.*
- Station 3** **Removal Method Demonstrations** –Ehren Weiss 303 Tree-chain saw method *demonstrations*
- Station 4** **Tree Planting** – Jamie Dahl, Colorado State Forest Service *will assist attendees in planting trees*

	12:10PM	1:00PM	1:40PM	2:20PM	3:00PM
<u>STATION 1</u> PAVILION PROJECT OVERVIEW & CLOSING WRAP-UP	OWL EAGLE OSPREY				OWL EAGLE OSPREY
<u>STATION 2</u> RMBO NATIVES RESTORATION		OWL	EAGLE	OSPREY	
<u>STATION 3</u> MID-DAM TREE PLANTING		EAGLE	OSPREY	OWL	
<u>STATION 4</u> EAST END OF DAM RUSSIAN OLIVE REMOVAL		OSPREY	OWL	EAGLE	

DR. ANDREW NORTON

Dr. Andrew Norton, Colorado State University

Dr. Norton is a professor and advisor within the Bioagricultural Sciences and Pest Management Department of CSU. He is also a member of the Graduate Degree Program in Ecology at CSU. His research examines the ecology and evolution of pest organisms and their hosts, with a particular interest in multitrophic interactions in biological control systems, and more generally, indirect effects and interaction modification. He has authored or co-authored numerous publications in these areas.

DR. GABRIELLE KATZ

Dr. Gabrielle Katz, Colorado State University and University of Colorado, Boulder

Dr Katz is a Research Scientist in the Bioagricultural Sciences and Pest Management Department at CSU, and a Research Associate in the Center for STEM Learning at CU. Her research focuses on the ecology and bio-hydrology of riparian ecosystems, with a particular focus on restoration ecology, plant community ecology and invasive species impacts. Dr. Katz has authored and co-authored numerous publications in these areas.

*Dr. Katz will be presenting **Effects of Russian-olive Removal on Species Diversity; Yuma County /Republican River***

LARRY VICKERMAN

Larry Vickerman, Director, Denver Botanic Gardens, Chatfield

Larry Vickerman obtained a B.S. from Colorado State University in Landscape Management in 1990 and a M.S. in Not-for-Profit Management from University of Washington in 1993. For the past 9 years he has served as Director of Denver Botanic Gardens at Chatfield, a 700 farm and public garden, in Littleton, Colorado. His professional background includes landscape/production horticulture, prairie restoration and consulting for the past 25 years in Washington, Kansas, Colorado and internationally. Larry's focus is creating ecologically relevant gardens that are not only beautiful, but provide habitat for insects, birds, reptiles and small mammals. He currently serves on the Colorado Noxious Weed Advisory Committee and is a Board Member of the San Isabel Land Protection Trust. He is a native 4th generation Coloradoan, having growing up on a large cattle ranch in the Wet Mountain Valley.

*Dir. Vickerman will be presenting **Native Plant Seed Inventory, Denver Botanic Gardens, Chatfield***

STEVE LUNDT

Steve Lundt, CLM, Water Quality Scientist, Metro Wastewater Reclamation District

I have been working on lakes and reservoirs for the past 16 years, starting with getting a Master's degree from Indiana U. then working in Portland, Oregon and now with Barr Lake. I have been the person that samples and monitors Barr Lake and Milton Reservoir for the past 12 years. I am a Certified Lake Manager through the North American Lake Management Society. I have been on the board of directors for the Barr/Milton Watershed Association, and I am currently the president of the Colorado Lake and Reservoir Management Society. Currently working for Metro Wastewater Reclamation District.

*Mr. Lundt will be presenting **Brief water quality history of Barr Lake.***

JESSE ROEHM

Jesse Roehm, Mile High Youth Corps

As Project Coordinator for our Land Conservation Program, Jesse is responsible for obtaining contracts and maintaining strong relationships with local, state and federal land management agencies. Jesse oversees and provides direct support to crew leaders and ensures safe, high quality completion of land projects. Jesse previously served two full terms as an AmeriCorps Leadership and Conservation Corpsmember and Alumni Mentor at MHYC. He was honored as the Corps Network's National Corpsmember of the Year in 2013. Jesse earned his B.A. in Sociology and International Studies from Indiana University in 2010.

EHREN WEISS

Ehren Weiss is the owner and operator of Windhover Reclamation. Ehren is an expert in the implementation of large scale and challenging Russian Olive eradication projects utilizing a light mechanical approach that's efficient, affordable, and of low environmental impact.

Contact info: (720) 340-2404

BOYD LEBEDA

Boyd Lebeda, District Forester, Fort. Collins District, Colorado State Forest Service.

The Fort Collins District of the CSFS is one of 16 districts and three field offices located throughout Colorado. Our mission is to achieve stewardship of Colorado's diverse forest environments for the benefit of present and future generations.

*Mr. Lebeda will be presenting **Project Overview***

SETH GALLAGHER

Seth Gallagher, Stewardship Director, Rocky Mountain Bird Observatory

In 2004 Seth joined RMBO where his duties include managing the NRCS-CDOW Private Lands Wildlife Program, assisting with landowner outreach activities,

and designing and implementing on-the-ground habitat enhancement projects with partners. Seth earned an associate's degree in wildlife management from Minot State University-Bottineau in North Dakota (1997) and a bachelor's in wildlife management from Lincoln Memorial University, Tennessee (2000). He went on to study nesting ecology of Red-shouldered Hawks at Central Michigan University.

Contact info: (970) 482-1707 x12

*Mr. Gallagher will be presenting **How planting natives benefits wildlife; Stories from restoration projects.***

Often times in restoration ecology the focus is put squarely on the removal of invasive species, for many reasons including, cost, logistics, availability of plant material and many others. This station will facilitate discussion on actively revegetating a site versus not, and the methods and techniques for doing so.

JAMIE DAHL

Jamie Dahl, Experimental Learning Coordinator, Colorado State Forest Service. earned a B.S. in Forest Management in 2004, with a minor in Wood Products Business and Marketing and an M.S. in Forest Resources in 2006, with a focus on Pennsylvania's roundwood utilization. Both degrees were from Pennsylvania State University. She worked for three years as the Undergraduate Program Coordinator for students in forestry, wildlife/fisheries and wood products at Penn State, where she advised approximately 300 undergraduate students and taught two introductory courses. She has worked in various field positions for Penn State, private industry, the National Park Service, and the Colorado State Forest Service. She is currently the Experiential Learning Coordinator for the CSFS and the Warner College of Natural Resources at Colorado State University (CSU). Through this role she coordinates hands-on learning opportunities with volunteers and students of all ages. She also teaches field courses at CSU and advises the CSU Alpha Student Chapter of the Society of American Foresters.

Contact info: Jamie.Dahl@colostate.edu, 970-988-3667

LUKAS MCNALLY

Lukas McNally, Wildlands Restoration Volunteers

Reference / Resources

Rocky Mountain Bird Observatory www.rmbo.org

Riparian Restoration Connection
<http://www.riparianrestorationconnection.com/>

Tamarisk Coalition <http://www.tamariskcoalition.org/resource-center>

New Mexico Natural Resources Conservation Service (NM – NRCS)
http://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/nmpmcp7685.pdf

Herbicide Application Techniques for Woody Plant Control, *Jason Ferrell, Ken Langland, and Brent Sellers, University of Florida IFAS Extension*, <http://edis.ifas.ufl.edu/ag245> (HTML) or <http://edis.ifas.ufl.edu/pdffiles/AG/AG24500.pdf> (Downloadable)

Saltcedar (Tamarisk) and Russian Olive Management
http://www.idahoweedawareness.com/netcenter/library/idahoweeds/pdfs_docs/Saltcedar_and_Russian_olive_control_2011.pdf
(Downloadable)

Dow AgroSciences recommendations http://msdssearch.dow.com/PublishedLiteratureDAS/dh_0613/0901b80380613fa5.pdf?filepath=/010-57766.pdf&fromPage=GetDoc

University of Nevada Cooperative Extension
<http://www.unce.unr.edu/publications/files/nr/2007/fs0739.pdf>

Russian Olive Control Techniques for Landowner and Wildlife Benefit
<http://nvwma.org/admin/wp-content/uploads/2013/08/NWMA-newsletter-summer-fall-2013.pdf>

Crop Data Management Systems MSDS & Herbicide labels database
<http://www.cdms.net/LabelsMsds/LMDefault.aspx>

