

LOW TECH RIPARIAN RESTORATION

2019 Field Workshop Series - *Agenda*



Hailey, Idaho
Aug 13 -15

Blaine County Community Campus, 1050 Fox Acres Rd

Tuesday, Aug 13: 12:00 PM - 5:00 PM (Blaine County Community Campus)

Introduction to Low-Tech Process-Based Restoration

- Logistics, learning objectives, and introductions
- Background and purpose (*Chapter 1 - Design Manual*)
- Build your first Beaver Dam Analogue exercise (*Pocket Guide*) & Break
- Introduction to low-tech tools (*Chapter 1 & 4 - Design Manual*)
- Guiding principles (*Chapter 2 - Design Manual*)
- Questions & plans for rest of workshop

Evening Dinner & Social - 6:00 PM (TBD)

Wednesday, Aug 14: 8:00 AM - 5:00 PM (Blaine County Community Campus & Field Trip)

Planning and Designing Low-Tech Riparian Restoration

- Planning Phase 1: Reading riverscapes (*Chapter 3 - Design Manual*)
- Field trip: Valley bottom mapping and exploring beaver complex (*Pocket Guide*) & Lunch
- Planning Phase 1: Valley bottom mapping, risk assessment, condition assessment (*Chapter 3 - Design Manual*)
- Mimicking and promoting wood accumulation and beaver dam activity (*Chapter 4 - Design Manual*)
 - Post Assisted Log Structures
 - Case Study: Asotin Creek
 - Beaver Dam Analogues
 - Case Study: Bridge Creek
- Break
- Planning Phase 2: Designing low-tech restoration projects (*Chapters 4 & 5 - Design Manual*)
- Planning Phase 3: Implementation (*Chapters 3 & 6 - Design Manual*)

Evening Dinner & Presentation - 6:00 PM (TBD)

- A Rancher's Story: Reintroducing beaver to bring back perennial flow



Thursday, Aug. 15: 8:00 AM - 5:00 PM (Field Trip)

Building Low-Tech Restoration Structures

- Design exercise - (*Chapter 4 - Design Manual; Pocket Guide*)
- Logistics, safety & post pounding (*Chapter 6 - Design Manual; Pocket Guide*)
- Hands-on construction of various structures (*Chapter 6 - Design Manual; Pocket Guide*)
- Review and discuss group projects
- Discussions on adaptive management (*Chapter 3, 4 & 6 - Design Manual*)
- Workshop synthesis (review principles) & where to turn for help

Instructors

Joe Wheaton (USU), Jeremy Maestas (NRCS), Scott Shahverdian (USU), Steve Bennett (USU), Jay Wilde (rancher), and others

Audience

This workshop will bring together NRCS conservationists and partners interested in low-tech alternatives for restoring streams and associated riparian and mesic habitats. Techniques include Beaver Dam Analogues (BDAs), Post-Assisted Log Structures (PALS), and other simple hand-built structures designed to mimic and promote process-based restoration benefiting wildlife and working lands. This workshop is not meant to turn you into an expert, but instead expose you to the concepts and principles of 'low-tech' process-based restoration of riverscapes (streams, rivers and their riparian areas). Participants will also connect with a network of restoration practitioners to share perspectives and lessons learned.

*Participation by invitation only

Resources

Additional resources available at: <http://lowtechpbr.restoration.usu.edu/>

Hosted with support from our state and local partners at:

