

## **One Rock At A Time: Slowing Rangeland Erosion Sublette County, Wyoming Workshop**

The Sublette County Conservation District, Natural Resources Conservation Service, and Wyoming Game and Fish Department, in partnership with U.S. Fish & Wildlife Service's Partners for Fish & Wildlife Program, and The Nature Conservancy, Wyoming are offering an opportunity in Sublette County, Wyoming to learn how to use natural processes to heal erosion on rangelands!

This workshop offers a unique 3-part opportunity! On August 4<sup>th</sup>\*, a virtual workshop will discuss the underlying principles of Zeedyk structures and Beaver Dam Analogs (BDAs). These low-tech structures are built by hand and use natural materials such as rocks and wood to control erosion and allow stream systems to naturally restore themselves. This session will provide you with the foundation of knowledge to help you recognize opportunities for these structures on the landscape and prepare you for the field sessions. On August 11<sup>th</sup> and 12<sup>th</sup>, a field workshop will be held in Sublette County that focuses on restoration techniques for ephemeral streams (streams that flow for brief periods after rain, snowmelt, etc.). Participants will learn to construct Zeedyk structures such as One Rock Dams or ORDs, and Zuni Bowls. On August 13<sup>th</sup>, a final field workshop is offered concentrating on techniques used in intermittent (streams that contain water for only part of the year, or seasonally, during years of normal precipitation) and perennial streams (streams in which has constant flow throughout the year) with participants constructing BDAs or Post Assisted Log Structures (PALS).

Restoring land can be intensive and expensive, but low-tech structures offer a back-to-basics approach to help slow rangeland erosion. These techniques let the water do the work to restore riparian and wet meadows by increasing soil moisture and vegetation growth. Research indicates that these methods can effectively increase vegetation productivity by 25% and keep plants greener longer, which results in greater resiliency against drought and climate variability. To learn more visit, <https://www.sagegrouseinitiative.com/tag/wet-meadows/>.

This event has been made possible by the National Fish and Wildlife Foundation\*\*.

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\*The August 4<sup>th</sup> workshop will be recorded for later viewing. Viewing of the virtual workshop is required for attendance at the field workshop.

\*\*The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S. Government or the National Fish and Wildlife Foundation and its funding sources. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Government, or the National Fish and wildlife Foundation or its funding sources.

# One Rock at a Time: Slowing Rangeland Erosion

## SAVE THE DATE

→ **AUGUST 4, 2021**

- Virtual Classroom\*

→ **AUGUST 11 - 13, 2021**

- Hands-on building low-tech structures on the ground



## LOW-TECH MESIC HABITAT RESTORATION WORKSHOP

**Objective:** Provide economical tools for landowners to adopt low-tech restoration technologies to build resilience and restore critical mesic habitats in semi-arid sagebrush rangelands benefiting both wildlife and livestock on working lands.

This project is made possible with funding support from the National Fish and Wildlife Foundation. Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency at 202544. Targe Center at 800) 255-0263 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. The USDA is an Equal Opportunity Provider. Employee and Leader.

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\* Will be recorded for later viewing.

