RESOURCES

SHRUB STEPPE: FIRE BEHAVIOR, ECOLOGY, AND RESTORATION

WASHINGTON STATE FIRE ADAPTED COMMUNITIES LEARNING NETWORK

Washington RC&D Resource Conservation and Development Council

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Photo: Kara Karboski, WRCD

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Alison has worked for 21 years in the Forest Service and BLM as a soil scientist, watershed specialist, hotshot, helicopter manager, and fire ecologist.

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RESOURCES

- **Sagesteppe.org has** long-term multidisciplinary experiment evaluating methods of sagebrush steppe restoration in the Great Basin.
- The Rocky Mountain Research Station publications, called General Technical Reports, that I referenced in my talk are available below. (It's a long list of titles, so I include some of the relevant ones below.)

https://www.fs.fed.us/rm/publications/titles/rmrs_gtr.html

RMRS-GTR-237: The Sagebrush Steppe Treatment Evaluation Project (SageSTEP): a test of state-and-transition theory

RMRS-GTR-308: A review of fire effects on vegetation and soils in the Great Basin Region: response and ecological site characteristics

RMRS-GTR-326: Using resistance and resilience concepts to reduce impacts of invasive annual grasses and altered fire regimes on the sagebrush ecosystem and greater sage-grouse: A strategic multi-scale approach

RMRS-GTR-338: A field guide for rapid assessment of post-wildfire recovery potential in sagebrush and pinon-juniper ecosystems in the Great Basin: Evaluating resilience to disturbance and resistance to invasive annual grasses and predicting vegetation response

RMRS-GTR-356: Using resilience and resistance concepts to manage threats to sagebrush ecosystems, Gunnison sage-grouse, and Greater sage-grouse in their eastern range: A strategic multi-scale approach

RMRS-GTR-360: Science framework for conservation and restoration of the sagebrush biome: Linking the Department of the Interior's Integrated Rangeland Fire Management Strategy to long-term strategic conservation actions. Part 1. Science basis and applications

RMRS-GTR-389: Science framework for conservation and restoration of the sagebrush biome: Linking the Department of the Interior's Integrated Rangeland Fire Management Strategy to long-term strategic conservation actions

RESOURCES

- Restoration Handbook for Sagebrush Steppe Ecosystems – 3 Parts

  Part 1: https://pubs.usgs.gov/circ/1416/cir1416.pdf
  Part 2: https://pubs.usgs.gov/circ/1418/circ1418.pdf
  Part 3: https://pubs.usgs.gov/circ/1426/cir1426.pdf

- Using Resistance and Resilience Concepts to Reduce Impacts of Invasive Annual Grasses and Altered Fire Regimes on the Sagebrush Ecosystem and Greater Sage-Grouse: A Strategic Multi-Scale Approach, Chambers et al. 2014

- A Field Guide for Selecting the Most Appropriate Treatment in Sagebrush and Piñon-Juniper Ecosystems in the Great Basin; Millet et al., 2014

- Using Resilience and Resistance Concepts to Manage Persistent Threats to Sagebrush Ecosystems and Greater Sage-grouse, Chambers et al. 2016

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Martha has Master's Degree from Boise State University where she studied the impacts of disturbance and climate change on sagebrush and related planted communities. She has worked in the sagebrush steppe of Idaho since 2010 for Idaho Fish and Game, the Bureau of Land Management, the US Geological Survey, and now the City of Boise.

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RESOURCES

- USGS circulars referenced during the webinar are available at THIS LINK.
- Biological soil crusts in ecological restoration: Emerging research and perspectives
- Post-fire growth of seeded and planted big sagebrush - Strategic designs for restoring Greater Sage-grouse nesting habitat
- Context-dependent effects of livestock grazing in deserts of western North America