RANGELAND MANAGEMENT AND RESTORATION

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PROJECT INTRODUCTION

- RestoreNet is a networked ecological experiment on the cutting-edge of restoration science.

---Restoration or revegetation is the activity of improving the land based on any number of objectives to improve habitat and soil conditions.

- Conducted a survey to understand stakeholder priorities for rangeland restoration in southwest Colorado
- Relay learned information to stakeholders and other community members

INTERNSHIP GOALS

- Understand RestoreNet protocol
- Characterize restoration goals and expectations RestoreNet partners have for their restoration projects
- Understand partner motivation for engaging in RestoreNet
- Evaluate if RestoreNet's communication is meeting expectations throughout the project
- Assess whether restoration knowledge is being incorporated into management practices over the gradient of stakeholder investment

SAMPLE SCOPE OF WORK COMPLETED

- Built foundation of a RestoreNet site at CSU's SW Colorado Research Center
- Developed a preliminary survey with questions that help understand stakeholders' concerns, goals, and engagement
- Develop a list of RestoreNet partners/involved individuals to administer survey to
- Distributed preliminary survey and waiting further results

Increased forage for livestock grazing	8
Recreation/hunting	0
Wildlife biodiversity, conservation, and habitat improvement	10
Native plant biodiversity and conservation	25
Invasive species suppression	7
Improving soil health and/or quality	6
Stopping or slowing soil erosion	5
Wildfire mitigation	6
Other: explain	2

Fig 2: What is your primary goal of restoration?

Fig 3: Link to RestoreNet website

Fig 4: Link to DEML website

Impacts/Outcomes

- Addition of a RestoreNet site in SW Colorado
- How to professionally engage with stakeholders across a wide gradient of beliefs and backgrounds
- Survey expanded to broader RestoreNet community
- Data collected will impact the financial, intellectual, and environmental health dimensions of stakeholders

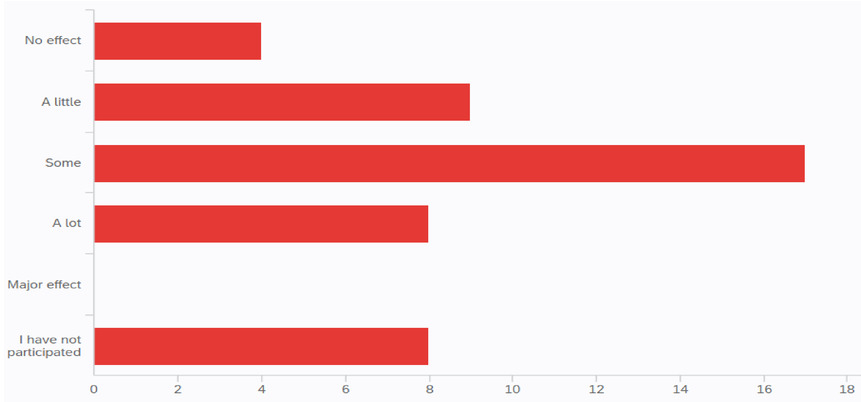

Fig 5: To what degree has your understanding of land restoration changed because of your involvement in RestoreNet?

Professional/Educational Progress

- Member of the Dryland Ecology and Management Lab
- Creation of meta-analysis for survey results
- Working as a co-author with DEML Ph.D. student

NEXT STEPS

- Analyze responses from survey and create a meta-analysis
- Distribute learned information to RestoreNet stakeholders

REFRENCES

- Dr. Mark Brunson's Rangeland Restoration Survey, not yet published. Utah State University
- Elise S. Gorish (2017). *Land Treatment Survey AZ.* The University of Arizona: College of Agriculture and Life Sciences
- Elise S. Gorish (2017). *Land-Treatment-Survey-CA.* The University of Arizona: College of Agriculture and Life Sciences
- Yue M. Li, Elise S. Gorish (2020) *What motivates ecological restoration?* Restoration Ecology: The Journal of the Society for Ecological Restoration

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