The Sierra Meadows Partnership and the Sierra Meadows Strategy: A collaboration and roadmap for increasing the pace, scale and efficacy of Sierra meadows restoration and protection







Mark Drew, Nina Hemphill, Levi Keszey, amy Merrill + a bunch of other great individuals!

Riparian Summit

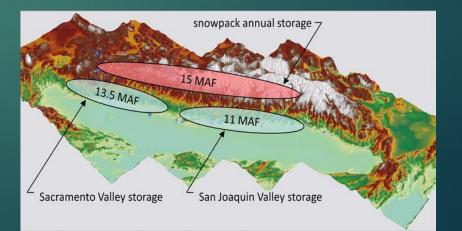
Davis, CA



California's Sierra Nevada

- Sierra Nevada are a fundamental and integral component of California's water infrastructure.
 - Snowpack driven system
 - ▶ ~60% of California's domestic water
 - Critical source of retention waters
 - ~15% of California's energy via hydropower
 - ► Fundamental to local livelihoods and CA economy-est ~\$4 billion/yr
- Sierra Nevada watersheds are home to an abundance of aquatic systems, plants and animals
- There are many unique components i.e., oak woodlands, meadows
- Meadows are a critical component of Sierra Nevada watersheds, including headwater areas.





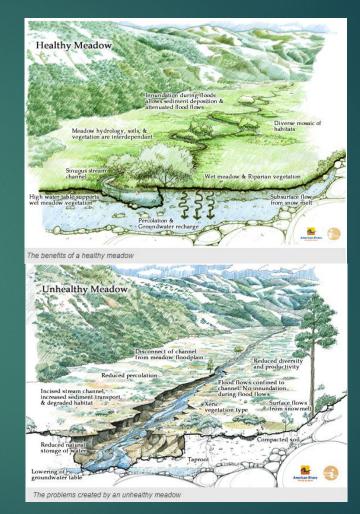


Why meadows matter

- > ~18,700 meadows
- > ~200,000 acres
- Provide important, valuable ecological services for people, flora and fauna
 - Water retention
 - Water quality
 - Aquatic habitats
 - > Flood attenuation
 - > GHG sequestration
 - > Feeders to streams and rivers
 - Recreational & spiritual connections
- >~ 40-60% degraded

Historical and contemporary threats include:

- > Fire management
- > Land use practices
- ➤ A changing climate

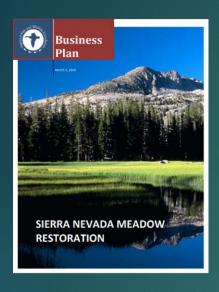








What's being done: Evolution of a meadows movement



~ 2010 A plan, with funding support, is developed



~2012-2014 Political momentum begins supporting headwaters and meadows



Feb, 2014 Calistoga I: The building of a collective stakeholder vision



Outcome: Need for a comprehensive strategy





National Fish and Wildlife Foundation
Meadow Restoration Survey

I. Background Information

Name_
Date
Organization/Agency Affiliation_
Name of Meadow Restoration Project______







Feb, 2016 Calistoga II: Strategy and Partnership development





- Framework and scope for Sierra Meadows Strategy
- Formation of Sierra Meadows Partnership













Feb. 2017, Calistoga III: Sierra Meadows Strategy is completed, MOU signed





Overarching goal: Restore and protect 30,000 acres across the Sierra Nevada in 15

years!

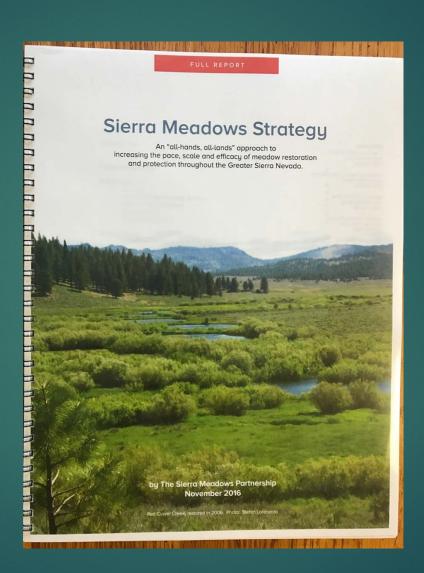






What we accomplished

Collective action that created a living document providing a clear, concise set of goals, objectives, approaches, actions and metrics, as well as a prioritization framework, to guide Sierra meadow protection, management, restoration, research and potential investment through 2030.



Outline:

- I. Executive Summary
- II. Overview
- III. Background
- IV. Desired Conditions and AssociatedGoals
- V. GuidingApproaches,Actions & Milestones
- VI. Next Steps: Applying the Meadows
 Strategy
- VII. Citations



Next steps: Implement, track progress and continue the evolution of a Partnership and Strategy



Priority next steps

- > Research needs priorities.
- Improving implementation capacity and effectiveness
- > Streamlining planning and permitting
- Broadening stakeholder engagement and outreach materials
- Region-wide prioritization approach
- > Strategy monitoring and evaluation schema

Proposed Sierra Meadows Wetland and Riparian Area Monitoring Plan







Outcomes and lessons learned

- > A Partnership and unified vision
- A pathway forward grounded in science
- Leveraged political, financial and capacity support
- Creating space and time for thoughtful dialogue is beneficial
- Material change requires understanding, patience and commitment
- Persistence, leadership and conviction is important
- Nothing is perfect and the work is dynamic



Thank you!

Contact: mdrew@caltrout.org

URL: Caltrout.org

