


Managing for Ecosystem Services

Management Knowledge and Information Needs

Rod Tripp, Ranger Supervisor, East Bay MUD
Anne Yost, Range Program Leader, US Forest Service
David Lile, Farm Advisor, UC Cooperative Extension
Jack Hanson, Rancher, WC Ranch, Lassen County




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Management Knowledge and Information Needs

Charge to the Panel

1. Describe your management responsibilities.
2. Ecosystem services you manage to achieve.
3. Opportunities and challenges to achieve services.
4. Information you need to manage for services.






Rod Tripp

Ranger Supervisor, East Bay MUD

My job at EBMUD

- Range Program
- Patrol
- Fire Response Prep
- Environmental Ed

Rod Tripp

Ranger Supervisor, East Bay MUD

Ecosystem Services

- Water Quality
- Biodiversity
- Fire/fuels Management
- Recreation




Rod Tripp

Ranger Supervisor, East Bay MUD

Challenges & Opportunities

- Ah-ha Moments
- Weed Management
- Speed of a small organization
- Juggling many issues

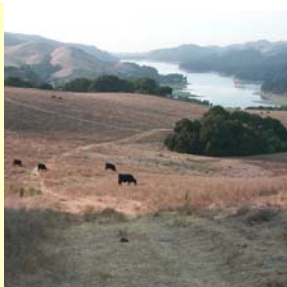



Rod Tripp

Ranger Supervisor, East Bay MUD

Information Needs

- Spp. Manage Cookbook
- Livestock vs. Water Quality
- Fire and hydrophobic soils on grasslands
- Economics of Grazing Leases
- Mulch Matting



Anne Yost
Range Program Manager, US Forest Service

- Leadership for 18 Forests in CA.
- Manage for diverse public needs.
- Balance uses (timber, grazing, minerals) with other services (recreation, habitat, water).
- Comply w/ laws guiding National Forest management.



Anne Yost
Range Program Manager, US Forest Service

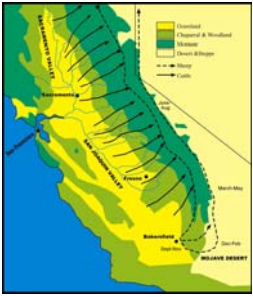
500 active allotments
200 vacant allotments
8,000,000 acres
430,000 Animal Unit Months



Anne Yost
Range Program Manager, US Forest Service

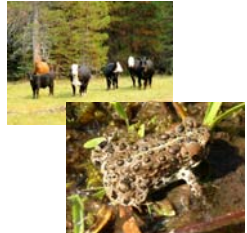
Opportunities & Challenges:

- Dispute over the role of public lands grazing.
- Effects and benefits of grazing on Forest lands.
 - To meet legal challenges.
 - Role of science and research in achieving our mission.

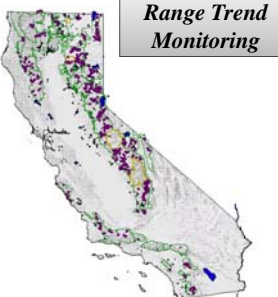



Anne Yost
Range Program Manager, US Forest Service

Yosemite Toad & Grazing Management



Range Trend Monitoring



David Lile
Livestock & Natural Resources Advisor, UCCE

- Research and extension to promote science-based principles for effective local land-use management
- Livestock, forage, water, wildlife, control of invasive species, etc.



David Lile
Livestock & Natural Resources Advisor, UCCE

Opportunities

- Managing for multiple services provides basis for common ground and collaboration
- The science-based fundamentals are critical to success – sage grouse example



David Lile
Livestock & Natural Resources Advisor, UCCE


Challenges/Needs

- Clear and consistent definition of terms
- Trade-offs / cost
- Risk (desired outcome)
- Context
 - Regulatory vs. incentives
- Definition of success?



Jack Hanson
Rancher, Lassen County


- Owner/Operator Willow Creek Ranch (beef cow/calf)
- Primary ecosystem services manage for are livestock and grazing (our economic driver)
- Incentives for management of other ecosystem services?



Jack Hanson
Rancher, Lassen County

Challenges to the ranch enterprise;

- Maintain economic value and sustainability
- Return on investment, risk and return on labor
- Profitability; balance both short-term *and* long-term
- Grazing on leased/rented land vs. owned property



Jack Hanson
Rancher, Lassen County

Information Needs:

- Better understanding of ecosystem services
- Relationship to inter-generational sustainability