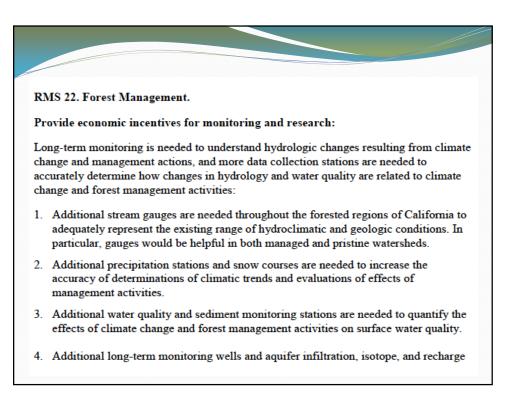


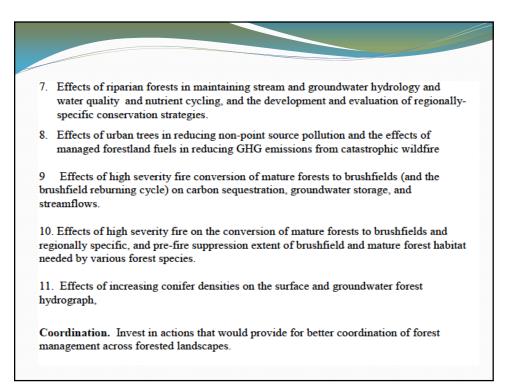
### RMS

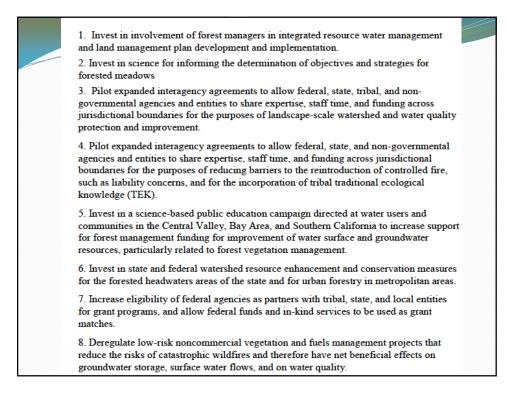
- Develop workgroup recommendations
- Tribal presentation on RMS and Project integration with Uplands/Forest Workgroup
  - December 4<sup>th</sup> presentation to RWMG

#### RMS 21. Ecosystem Restoration. **Provide Economic Incentives to** · maintain and restore a diversity of historic habitats. · connect and expand important habitat areas and to protect habitats and habitat connectivity from catastrophic wildfire. · conserve and restore riparian habitats and to protect habitats and habitat connectivity from catastrophic wildfire. · implement climate resiliency plans that benefit ecosystems, water, and flood management and to protect habitats and habitat connectivity from catastrophic wildfire. · restore the forest hydrograph by reducing unnatural, fire suppression-caused conifer densities and species imbalance and thereby restore natural base flows and pulse flows in streams and rivers. · control non-native invasive plant and animal species. · protect habitats and habitat connectivity from catastrophic wildfire and in order to maintain natural filtering of pollutants and for the recharging of aquifers · conserve springs as water supply sources as well as valuable ecological and spiritual resources in the region and to protect spring and wetland habitats from catastrophic wildfire. · minimize areas of excessive erosion and sedimentation through Best Management Practices implementation, watershed management and through reduction of catastrophic wildfire. · reduce road culvert barriers to fish and amphibian migration in rivers and streams by assessing culverts for adequate passage of aquatic organisms and by prioritizing passage improvement work as appropriate.



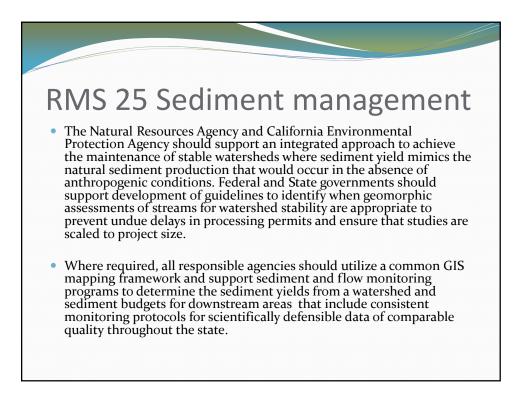
|    | studies would be useful for understanding groundwater resources in forested watersheds.   |
|----|---|
| 5. | Additional projects and studies to characterize regional surface water, groundwater<br>and aquifer interactions on public, private, and tribal lands.   |
| ma | ovide economic incentives for research on connections between forest<br>nagement and restoring the surface and groundwater hydrograph in forested<br>dscapes and additional research on:  |
| 1. | Effects of landscape scale fuels reduction for enhancing beneficial uses of water.  |
| 2. | Effects of vegetation and fuels management on soil moisture, groundwater recharge, and streamflows.   |
| 3. | Quantification of both the short- and long-term effects of prescribed fire on soil and water nutrients, and determination of the impacts of burn frequency on soil and vegetative properties that influence infiltration, percolation, surface runoff, and groundwater discharge. |
| 4. | Effects of different severity wildfires on water quantity, water quality, and aquatic organisms.  |
| 5. | Role and magnitude of groundwater storage in mountain meadows and surrounding forests and effects on base streamflows and on the attenuation of flood peaks.  |
| 6. | Sediment sources and erosion processes in unmanaged, managed, and "high-severity" burned and historically forested watersheds.  |





## RMS 23 Land Use Planning/ Management

- Increase communication between land use planners and water managers
- Plan for growth in a way that conserves water resources such as streams, wetlands, springs, groundwater recharge areas, natural floodways, and water quality
- Direct development away from undeveloped mountain meadows, floodplains, and alluvial fans
- Develop watershed information and strategies to update local land use decision makers on opportunities for maintaining and improving watershed functions



#### **RMS 26 Watershed Management**

#### **Provide economic incentives:**

• to create and maintain a scientifically valid tracking and reporting methods to document hydrograph and precipitation changes in the watershed

to establish a scientifically valid means of tracking and reporting baselines and trends in watershed condition, such as lidar, that are capable of displaying and differentiating the net effects of management against the background of a more variable precipitation regime.
to restore and preserve stream channel morphology to provide floodwaters access to the floodplain and to encourage stable banks and channel form and the regeneration of riparian vegetation.

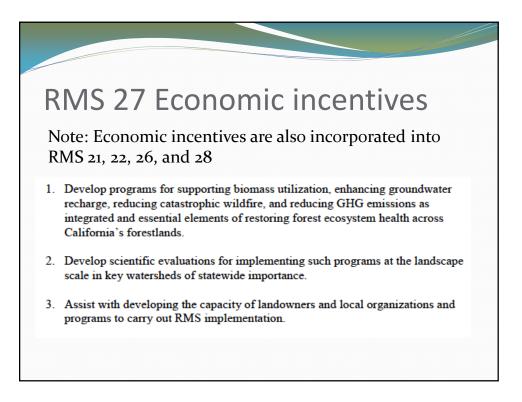
• to assess the performance of projects and programs.

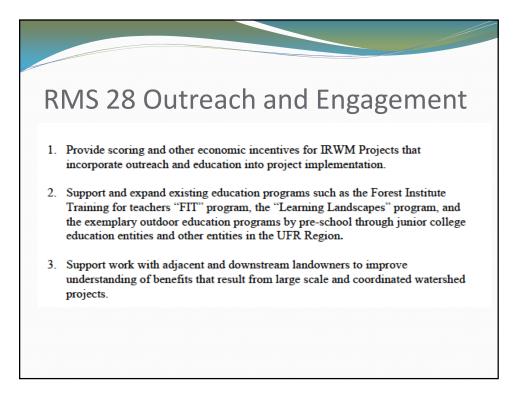
· to develop landscape scale approaches that coordinate multiple RMS strategies .

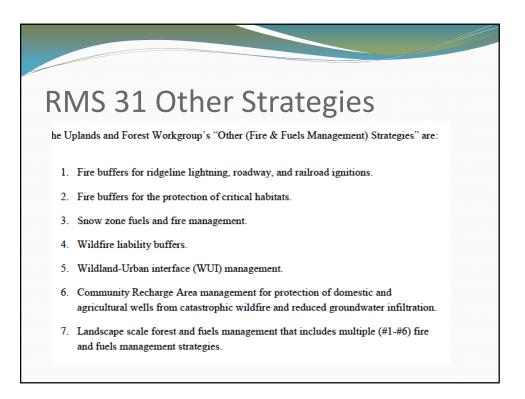
• to maintain and enhance ecosystem functions, such as peak flood attenuation and

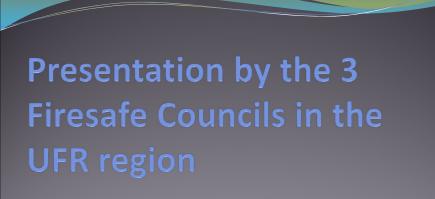
protecting habitats and connectivity corridors from catastrophic wildfire.

· to assist property owners in implementing watershed management activities.









Welcome and take it away Nils, Chuck and Tom!!!!

## Prioritizing treatment and burning areas in the Klamath Basin

Presentation by Deer Creek Resources, LLC.

Thanks Zeke. We have no RMS Recommendations on introducing low intensity fire except as a potential O&M tool to maintaining forest fuels thinning projects in the Regional thinning project.

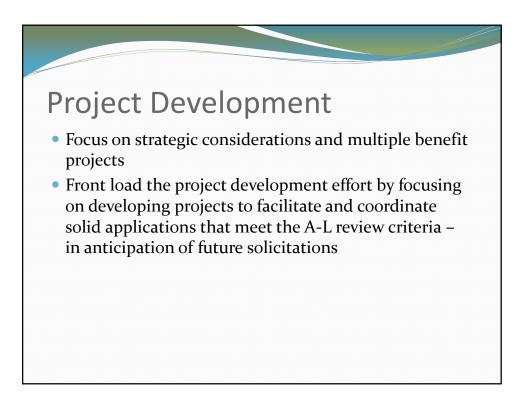
The tribal representatives will address this topic too.

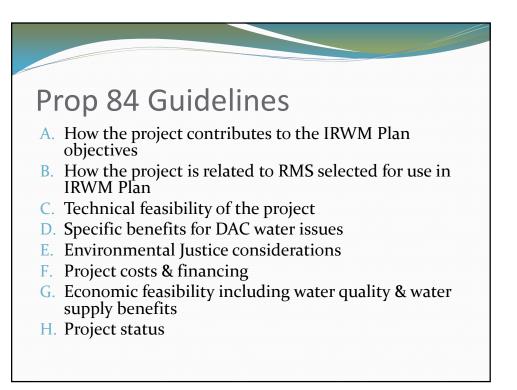


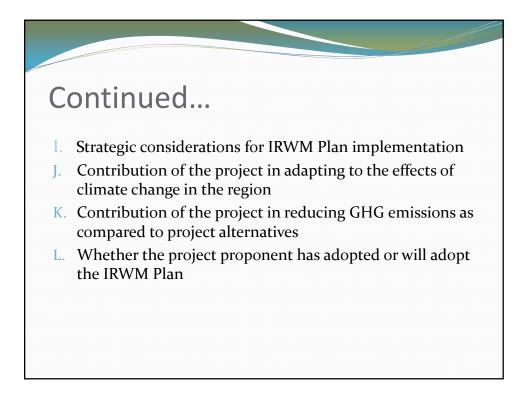
# **Project Submittals**

| Category                        | Number of Projects |
|---------------------------------|--------------------|
| Agricultural Land Stewardship   | 13                 |
| Floodplains/Meadows/Waterbodies | 15                 |
| Municipal Services              | 39                 |
| Tribal Advisory Committee       | 5                  |
| Uplands/Forest                  | 9                  |
| Total                           | 81                 |





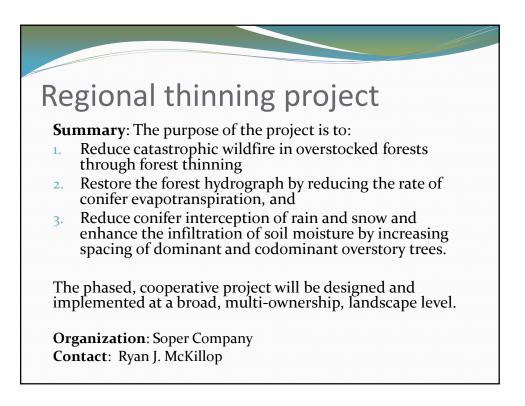




### **Tribal Integration**

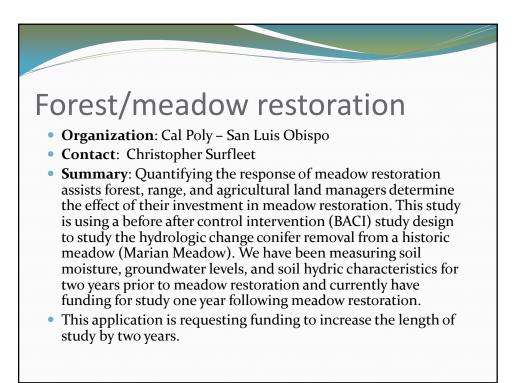
• **Summary**: The Upper Feather River Tribal Review Project provides a mechanism for relevant Upper Feather River (UFR) Tribe(s), the Maidu Summit Consortium and/or Tribal Review Committee to evaluate and provide recommendations to each project submitted to the UFR RWMG to incorporate Traditional Ecological Knowledge (TEK). Project reviewers will be comprised of Tribal Environmental Directors, Tribal Elders, and other persons with knowledge of Traditional Practices and sustainability.

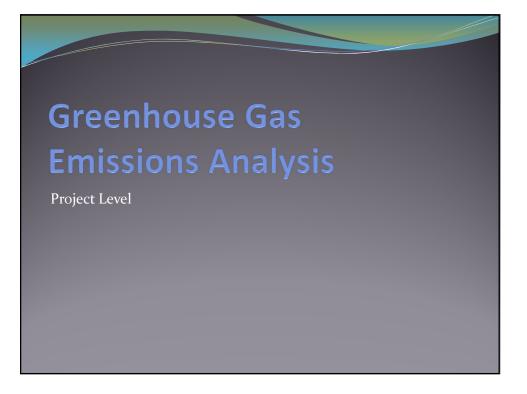
- Organization: Maidu Summit Consortium
- Contact: Trina Cunningham

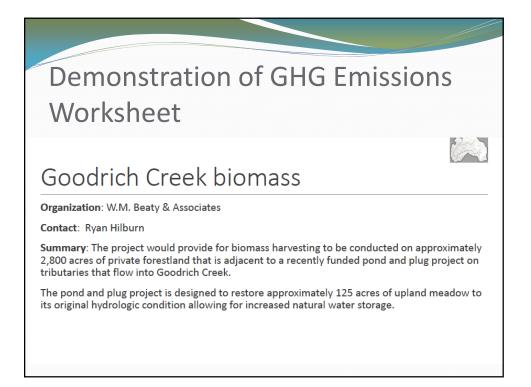


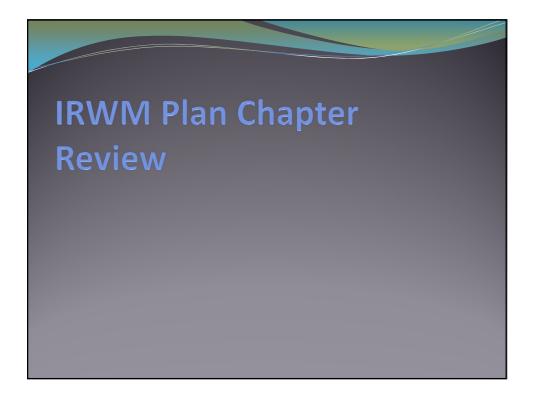
# Forest/meadow restoration

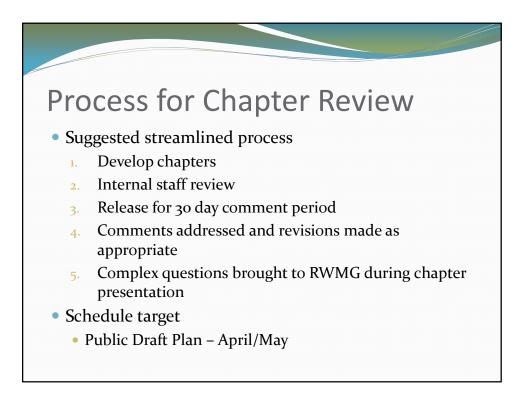
- Organization: Collins Pine Company
- Contact: Jay Francis
- **Summary**: This study will use a before/after control intervention (BACI) study design to study the hydrologic change conifer removal from a historic meadow (Rock Creek Meadow). We will be measuring soil moisture, groundwater levels, and soil hydric characteristics for two years prior to meadow restoration and two years following meadow restoration.

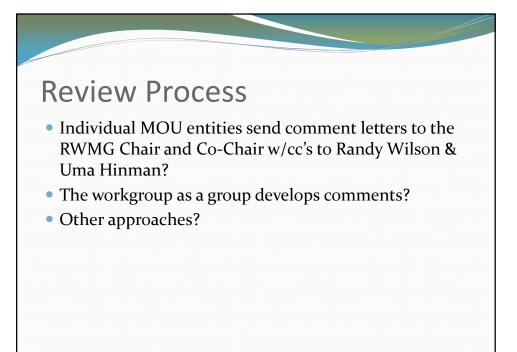




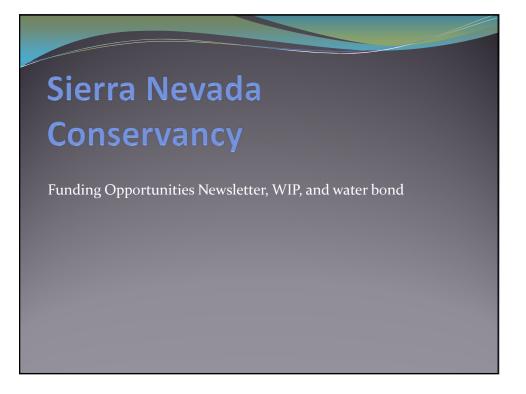




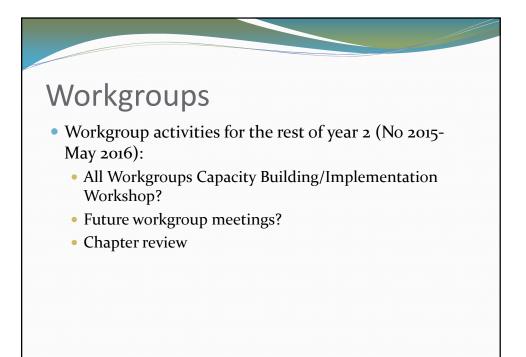


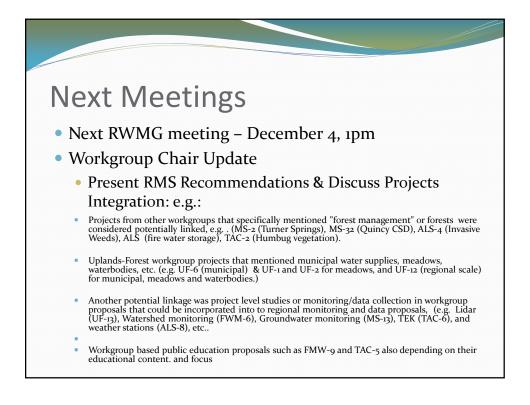


|  | 2015 |          |     |     | 2016 |     |     |     |     |     |
|--|------|----------|-----|-----|------|-----|-----|-----|-----|-----|
| Chapter  | Sept | Oct      | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun |
| Executive Summary                                      |      |          |     |     |      |     | х   |     |     |     |
| Plan Development Process                               |      | <u> </u> |     | 1   |      | Х   |     |     |     |     |
| Governance, Stakeholder<br>Participation, Coordination | x    |          |     |     |      |     |     |     |     |     |
| Regional Description                                   |      | Xa       |     |     |      |     |     |     |     |     |
| Regional Water Issues, Integration,<br>Capacity        |      |          | Xª  |     |      |     |     |     |     |     |
| Water and Land Use Planning                            | Х    |          |     | 1   |      |     |     |     |     |     |
| Climate Change   |      |          | X   |     |      | Þ.: |     |     |     | 0   |
| Goals and Objectives                                   |      |          |     | X   |      |     |     |     |     |     |
| Resource Management Strategies                         |      |          |     | X   | 1    |     |     |     |     |     |
| Project Development and Review<br>Process              |      |          |     |     | x    |     |     |     |     |     |
| Plan Implementation, Performance<br>and Monitoring     |      |          |     |     | x    |     |     |     |     |     |
| Finance  |      |          | X   |     |      |     |     |     |     |     |
| Impacts and Benefits                                   |      |          |     |     |      | X   | 1   |     |     |     |
| Technical Analysis                                     |      | Xª       |     |     |      |     |     |     |     |     |
| Data Management  |      |          |     |     |      | Х   |     |     |     |     |
| Admin Draft Plan                                       |      |          |     |     |      |     | X   |     |     |     |
| Public Draft Plan (2 public hearings)                  |      |          |     |     |      |     |     | х   |     |     |
| Final Plan (1 public hearing)                          | 1    |          |     |     |      |     |     |     |     | х   |









# **Contacts:**

Website: <u>http://featherriver.org</u>

Mike DeLasaux, Workgroup Chair: mjdelasaux@ucdavis.edu John Sheehan, Workgropu Alternate: johnjo@psln.com

Leah Wills, Workgroup Coordinator: UFR.uplands@gmail.com

Thank you for participating!!