



# Lower Squaw Creek Restoration Public Workshop

*for*

*The Friends of Squaw Creek  
Truckee River Watershed Council  
Sierra Nevada Conservancy*

Prepared by:

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*Sound Watershed Consulting*

*Creating Functional Water Environments*



*Lower Squaw Creek Restoration  
Public Workshop*

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- **Review Existing Conditions**
- **Technical Basis For Conceptual Designs**
- **Restoration Alternatives & Components**
- **Reach-Specific Recommendations**
- **Next Steps**
- **Q&A**
- **Breakout Discussion**



## Project Objectives

- *Establish a common stakeholder vision.*
  - *Community workshops*
  - *Facilitate discussion/selection of proposed conceptual alternatives*
- *Allow stakeholders to participate toward a unified vision*
  - *help direct scope of feasibility, permitting and design*



## *Restoration Objectives*

- Improve fish habitat
- Improve water quality
- Improve channel bed stability
- Stabilize channel banks
- Manage channel migration risks
- Improve floodplain connectivity
- Manage flood hazards
- Restore and improve wetlands and ponds
- Restore and improve riparian structure and composition



## *Project Opportunities*

- Trap Fine Sediment
- Regulate Bedload Effects on Channel Morphology
- Limit Bank Erosion
- Reverse Channel Incision
- Regulate Avulsion Potential
- Locally Improve Channel Stability
- Manage Flood Risk
- Raise Local Water Table (Floodplain Storage)
- Provide Surface Water Storage for Dry Season Release
- Resist Conifer Encroachment on Floodplain
- Reconnect Floodplain Channels
- Maintain Access and Egress to Floodplain Channels
- Restore/Improve Floodplain Wetlands
- Address Turf Grass Invasion
- Establish Cottonwood Gallery Forest
- Increase Shade for Nutrient Management
- Establish Native Riparian Vegetation Community
- Maintain Pool Quality/Density
- Improve/Maintain Cover Habitat
- Maintain Spawning Gravel Availability