Large & Small Restoration Projects in the Napa River Watershed

Napa County Watershed Symposium
Watershed Information Center and Conservancy

Shaun Horne, Watershed and Flood Control Resource Specialist

May 15, 2015
Stream Maintenance Program (SMP)
Napa County Flood Control and Water Conservation District

**SMP Activities**
- Vegetation and Invasive Plant Management
- Downed Tree Management & LWD Recruitment
- Streambank Erosion/Biotechnical Stabilization
- Sediment Removal
- Riparian Enhancement
- Barrier Removal
- Trash and Debris Removal

**LWD Management & Monitoring**
Greenwood Avenue Culvert Replacement
Napa County Public Works
Calistoga Footbridge Removal
Napa County Resource Conservation District (RCD)

Project Objective
Provide unimpeded access to 14 miles of historic upper watershed spawning and rearing habitat while maintaining pedestrian access.

Project Status
- Completed detailed topographic survey for final design
- Completed geomorphic inventory and channel profile for 1,300 foot project reach to support final design
- RCD acquired $150,000 in CADFW FRGP funding for final design
- Caltrans is acquire pedestrian bridge for upstream project that will be the permanent replacement bridge
Napa River Restoration Rutherford Project
Napa County Public Works

- 3,054 Feet of Secondary Channels Created
- 31 Acres of Riparian Forest Enhanced
- 17 Acres of Slow Water Aquatic Habitat Created
- 2.5 Miles of Channel Widened
- 147 Instream Habitat Structures Installed
- 3.25 Acres of *Arundo donax* Eradicated
- 29 Landowners Participating and Funding Ongoing Monitoring and Maintenance Through an Assessment District
Reach 4 west bank stabilization during November 2012 high flow event

Reach 4 west bank stabilization March 2013

Project Monitoring

Project Maintenance
Oakville to Oak Knoll Restoration Project
Napa County Public Works

- **2011** • Completion of Conceptual Plan
- **2012** • Completion of 30% Design
- **2012** • Completion of CEQA Analysis
- **2013** • Received Grant From EPA
- **2013** • Treated 8 Acres of Arundo
- **2014** • Landowners Formed CFD
- **2015** • Group A Implementation
Site 22 & 21

Looking at East bank

Looking at west bank

Site 23

Looking at...