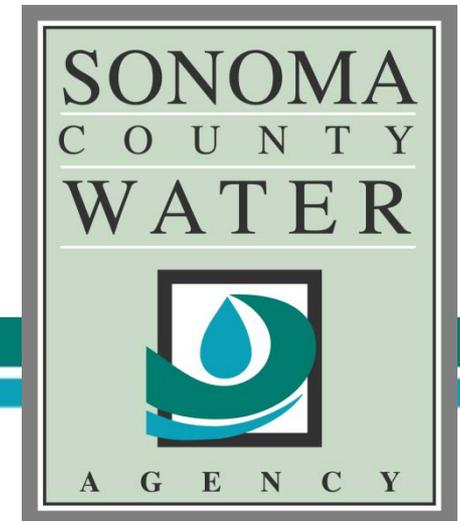


Dry Creek Habitat Demonstration Project

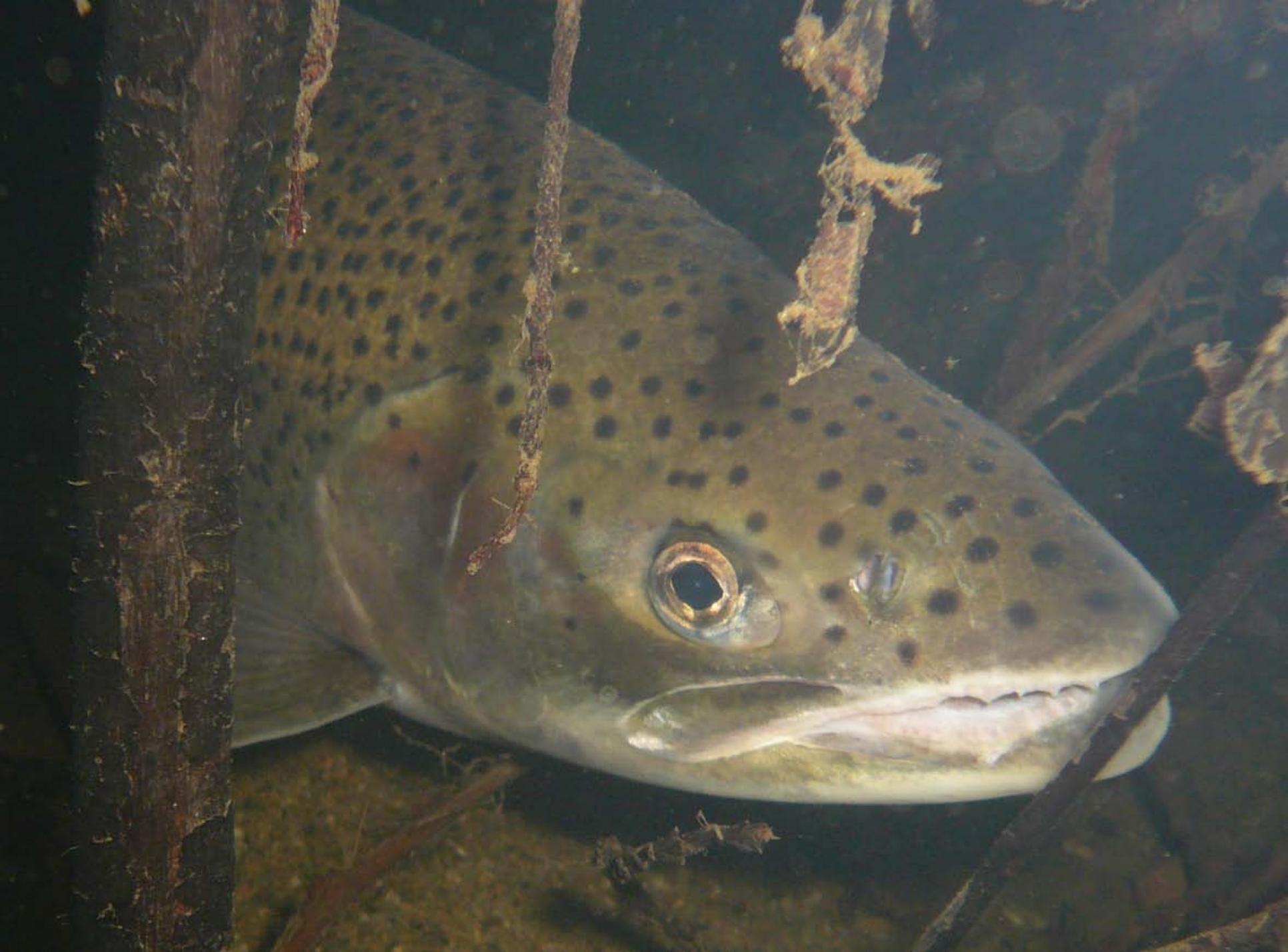
David Manning Principal Environmental Specialist

David Cuneo Senior Environmental Specialist

Kevin Campbell Right-of-Way Agent II





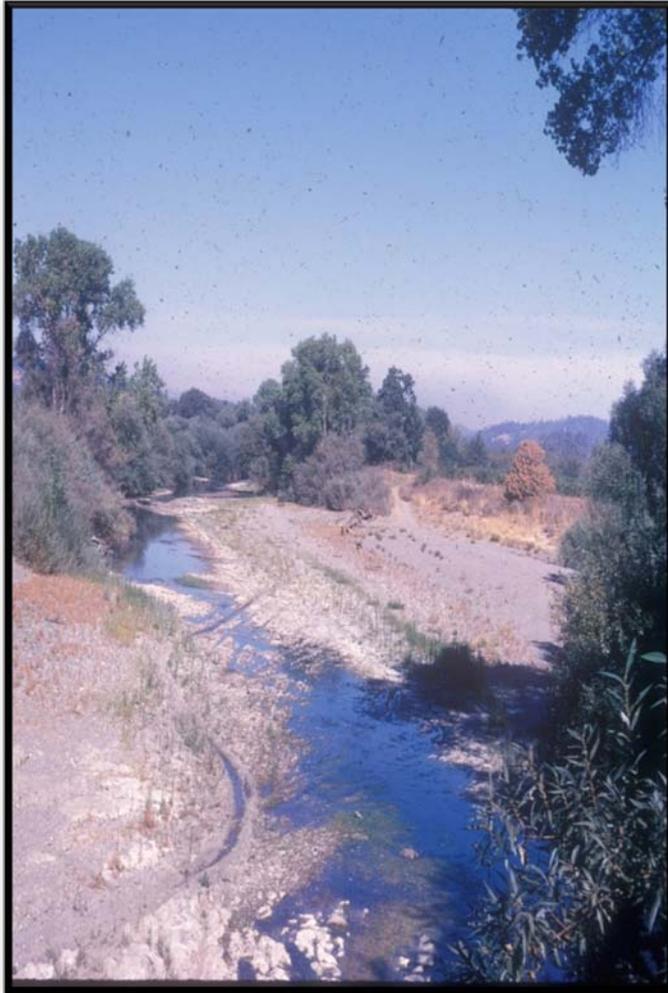




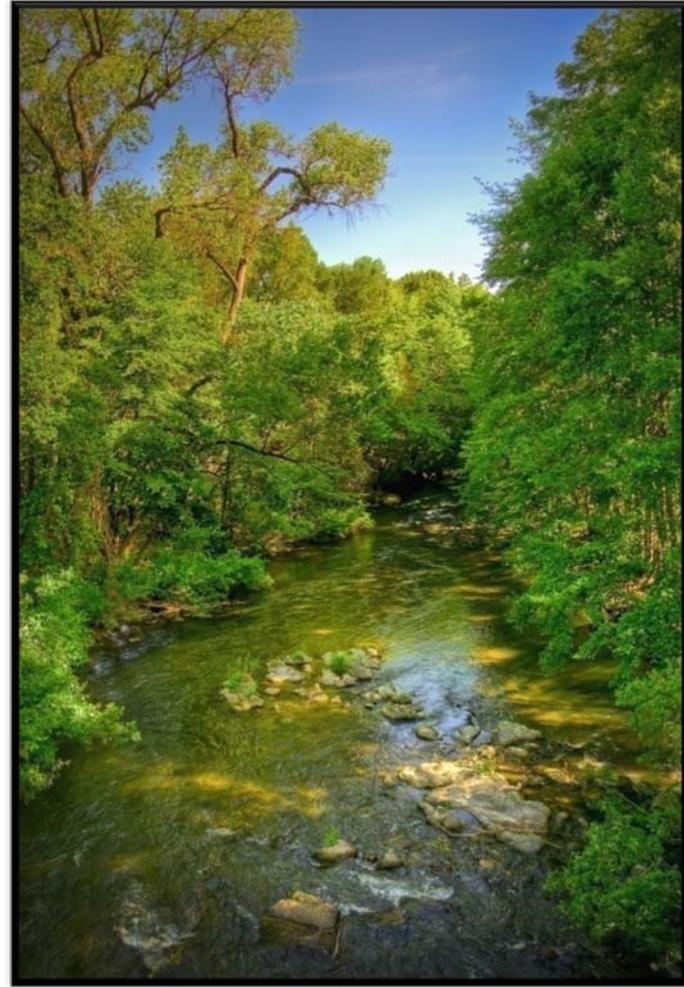
Juvenile Coho and Steelhead Summer and Winter Rearing Habitat

Dry Creek (Lake Sonoma to Russian River)

1980

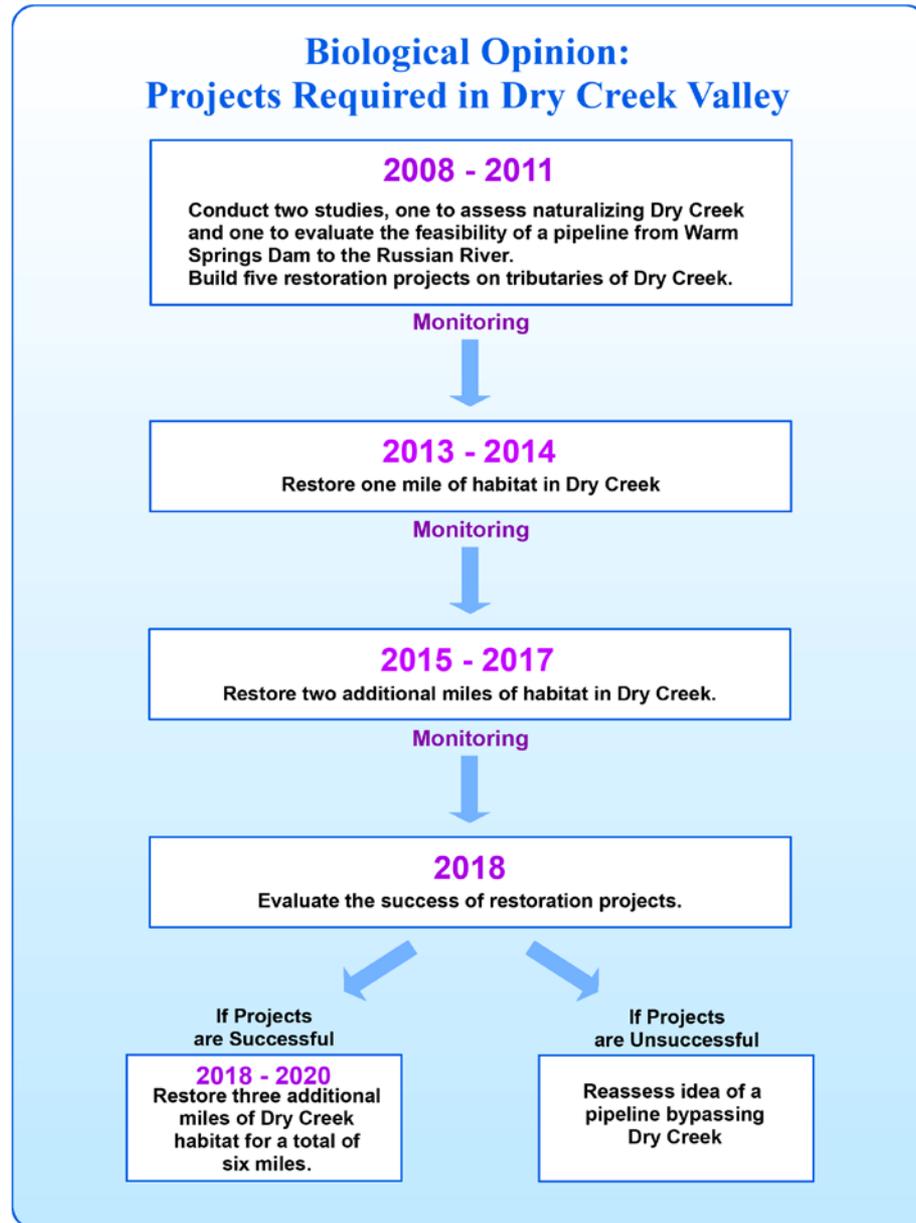


2010



Dry Creek Objectives & Timeline

- Reduce water velocity for coho summer and winter rearing
- Create near optimal depth, cover, habitat complexity
- Enhance 6 of 14 miles (10 of 22 km)
- 12 years
- Use an Adaptive Management Approach



Plan "A"

Plan "B"

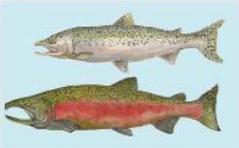
Habitat Enhancement

Bypass Pipeline

**FISH HABITAT ENHANCEMENT
FEASIBILITY STUDY**

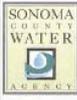
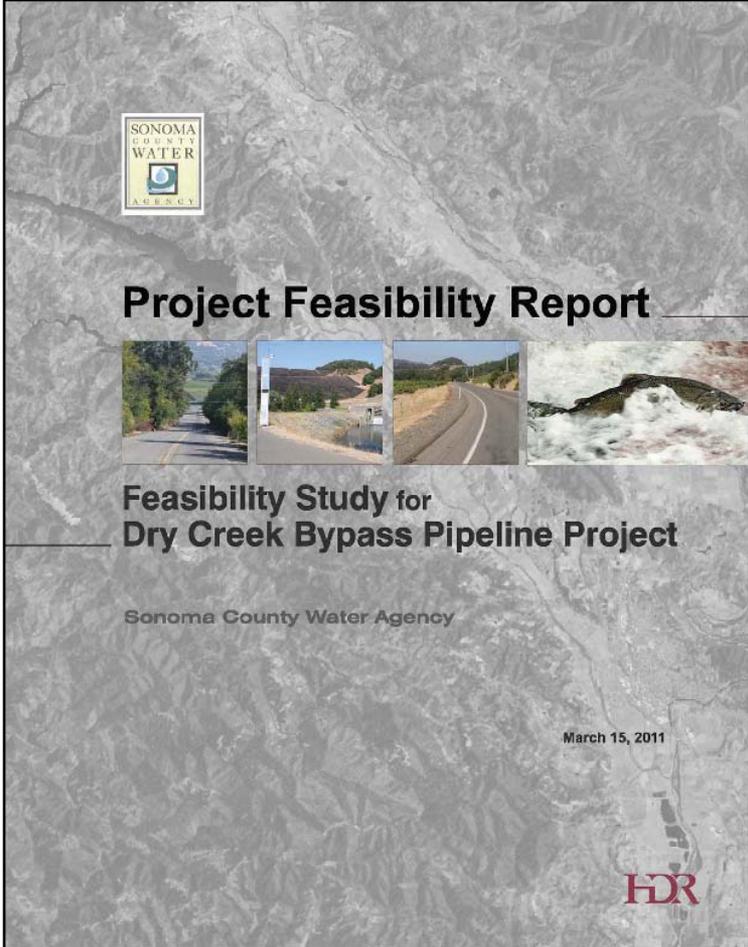
Draft Report • March 2011

**DRY CREEK
WARM SPRINGS DAM
TO THE RUSSIAN RIVER
SONOMA COUNTY, CA**



PREPARED FOR

SONOMA COUNTY WATER AGENCY
404 AVIATION BOULEVARD
SANTA ROSA, CA 95403



Project Feasibility Report



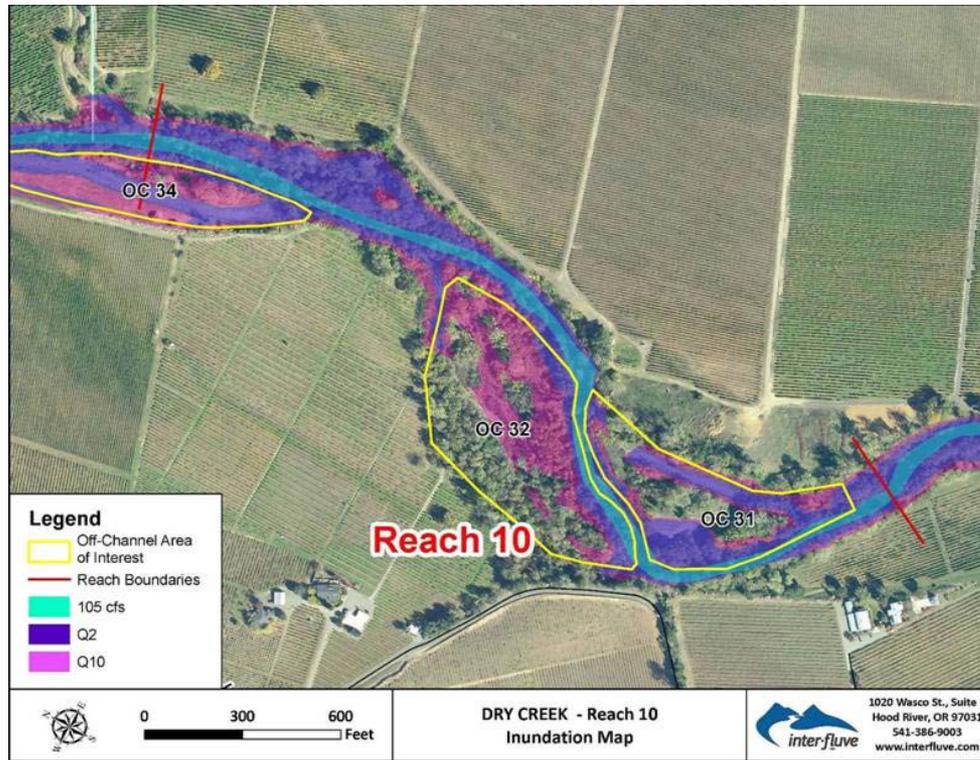
**Feasibility Study for
Dry Creek Bypass Pipeline Project**

Sonoma County Water Agency

March 15, 2011

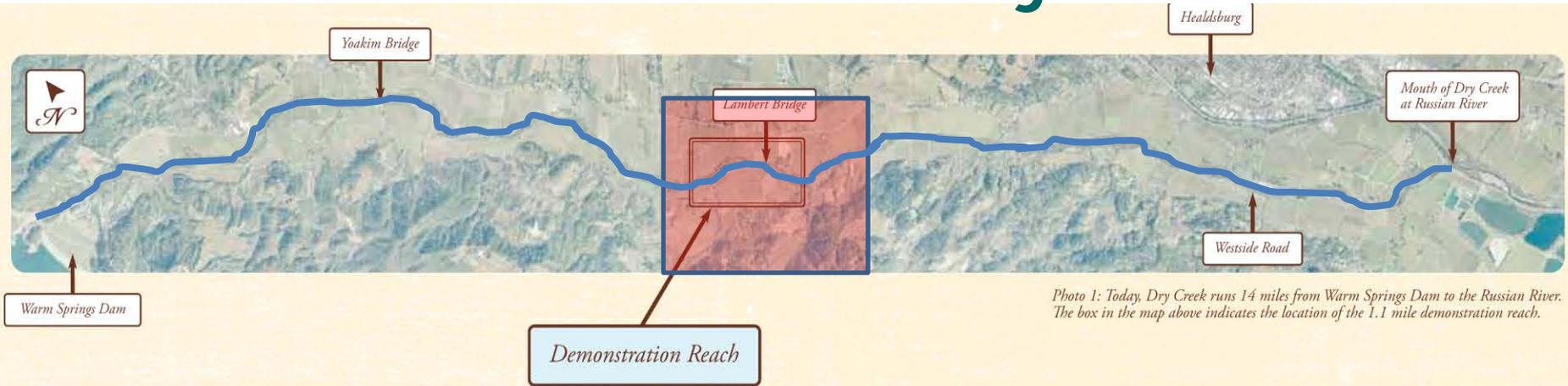


Habitat Feasibility Study



- 45 Potential project opportunities
- Distributed throughout 14 miles
- 9 miles of off channel habitat
- Total cost for 6 mile objective = \$36 to \$48 Million

Demonstration Project

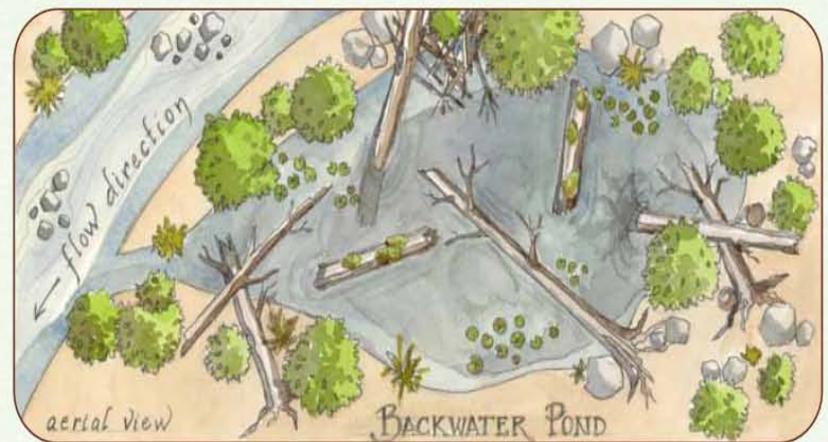
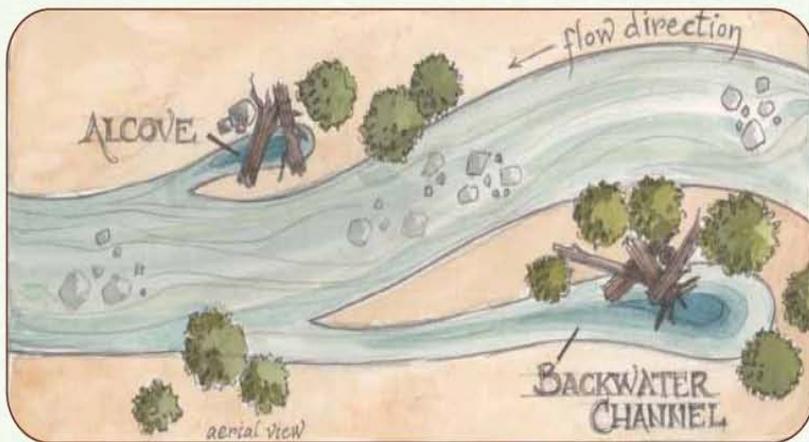


- Dry Creek Valley
170 owners
- 11 Voluntary landowners
including 5 Wineries along
1 Contiguous Mile
- Implementation in 2012-2013



Enhancement Techniques

Low Velocity Backwater Pools, Alcoves Side Channels



Dry Creek

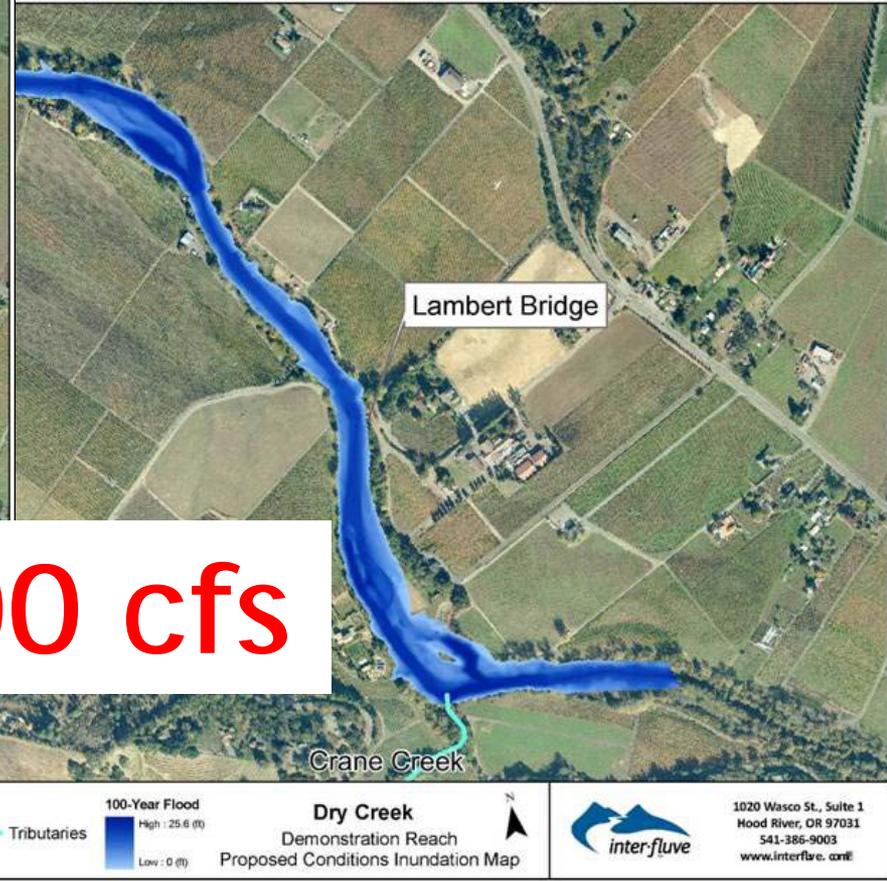
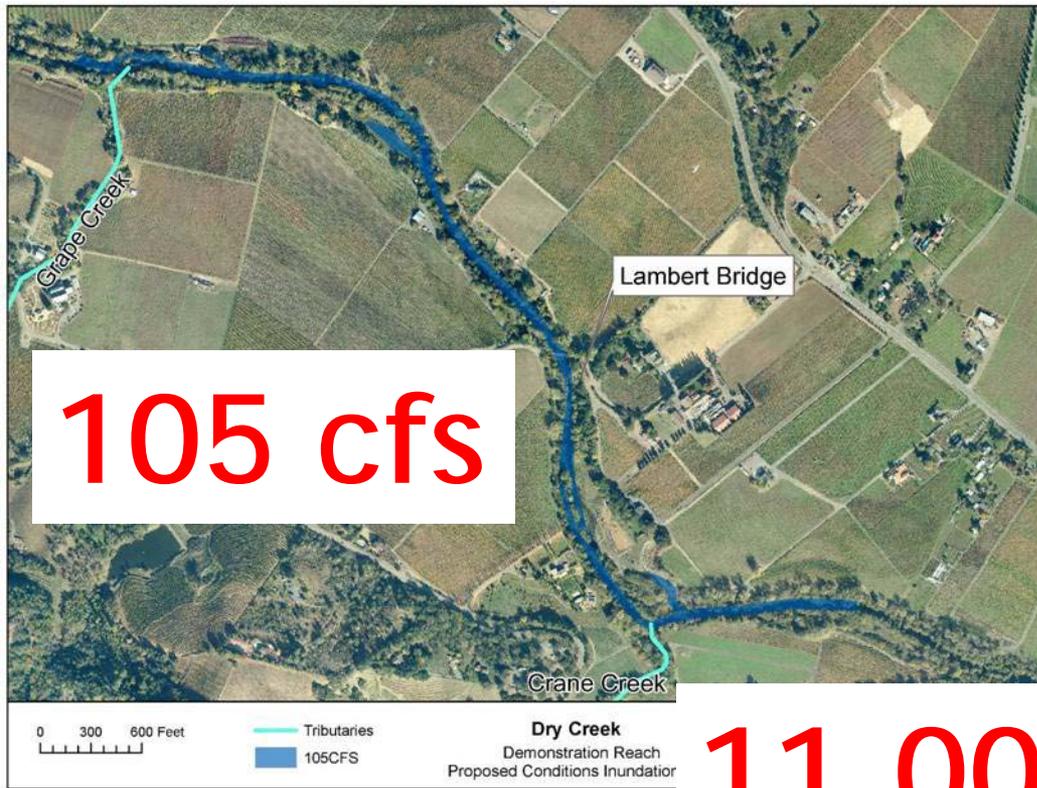
Habitat Enhancement Demonstration Projects

Concept Designs



Reach A: Proposed Enhancement
Scale: 1 inch equals 100 feet

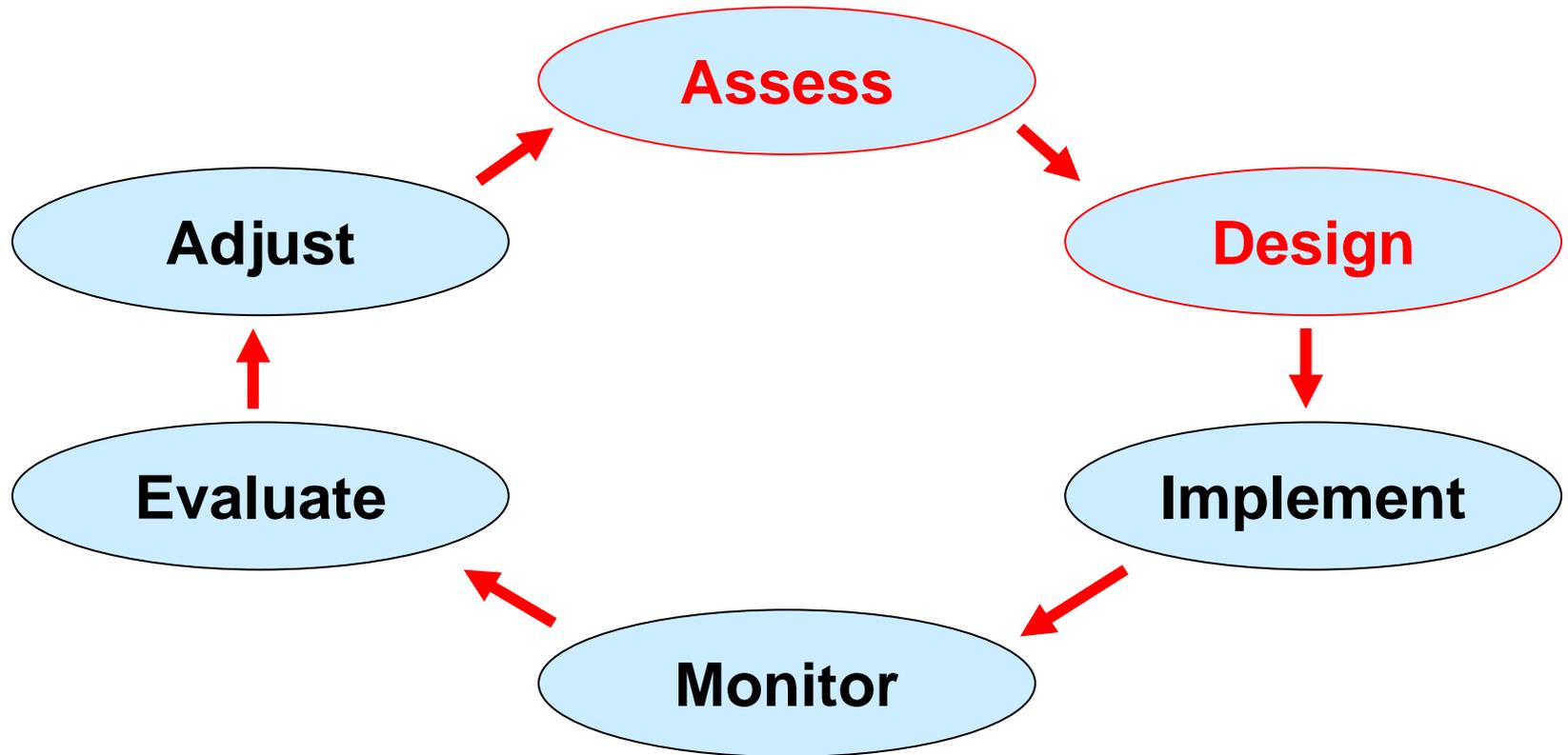
Planning for High Flow Events



1020 Wasco St., Suite 1
Hood River, OR 97031
541-386-9003
www.interfluve.com



Adaptive Management Plan Development



Dry Creek Environmental Compliance

David Cuneo

Senior Environmental Specialist



Project Design Details



CEQA Process



- NOP - June 24, 2010
- Initial Study - June 3, 2011
- Comments Received

Summary of Results



- Construction Related Impacts
 - Short-Term
 - Mitigation Measures Available
- Long-Term Benefits
 - Enhanced Habitat for coho and steelhead

CEQA Next Steps

- Approve CEQA Document
- Approve Project
- Authorize Filing of Notice of Determination



Permitting

- Corps of Engineers
- Regional Water Quality Control Board
- CA Department of Fish and Game
- County of Sonoma



Future Habitat Projects In Dry Creek

- Miles 2-3 - 2015-2017
- Miles 4-6 - 2018-2020
- Site Evaluation Ongoing
- Landowner Outreach
- Additional CEQA Documentation, Permitting, ROW



Dry Creek Right-Of-Way

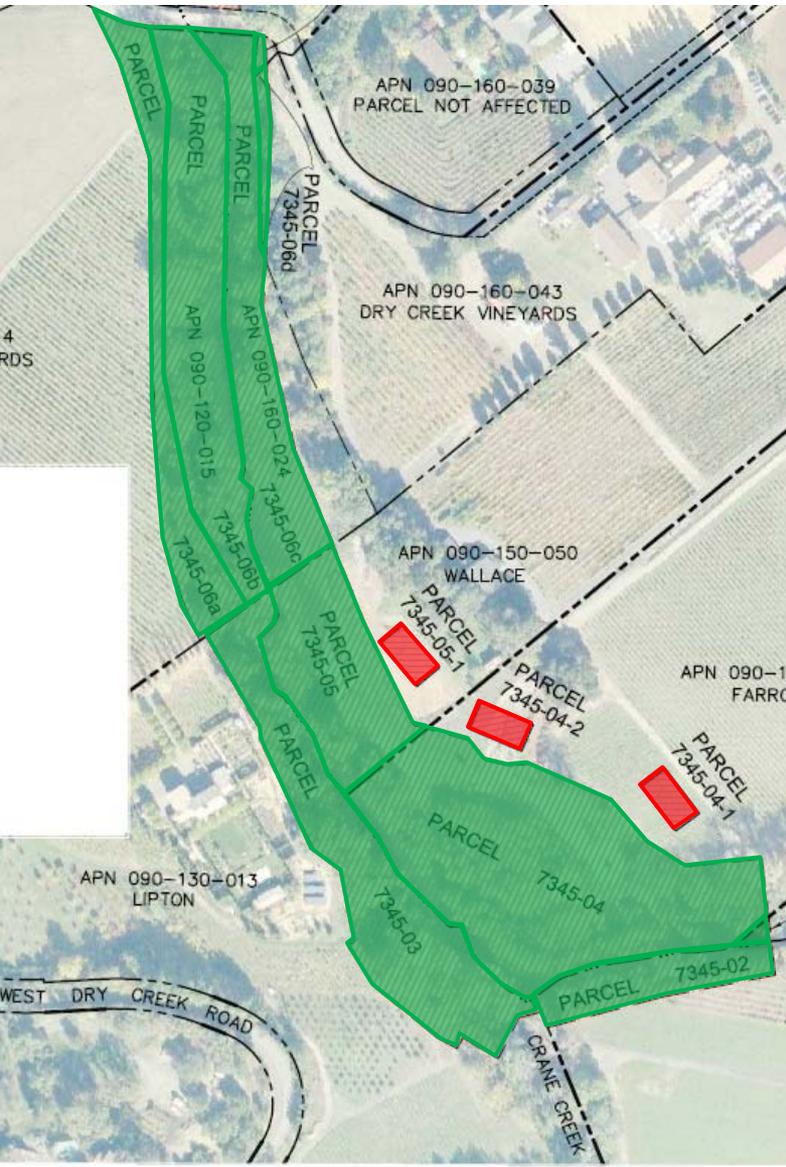
Kevin Campbell
Right-Of-Way Agent II



Right-Of-Way

- 11 separate property owners.
- acquiring 25 year limited duration easements
 - construction, maintenance and repair
- Acquiring temporary rights for staging areas
- Acquiring temporary access rights over existing vineyard roads for construction access
- will pay up to \$5,000 for an independent appraisal

Downstream of Lambert Bridge



•25-Year Easements

- Entrust Administration, Inc. (0.031 ac)
- Ronald & Pamela Wollmer (0.601 ac)
- Douglas Lipton (2.018 ac)
- Michael & Vicky Farrow (3.770 ac)
- Donald & Kim Wallace (1.303 ac)
- Dry Creek Vineyards, Inc. (4.776 ac)
- Richard Rued Family Trust (in next slide)

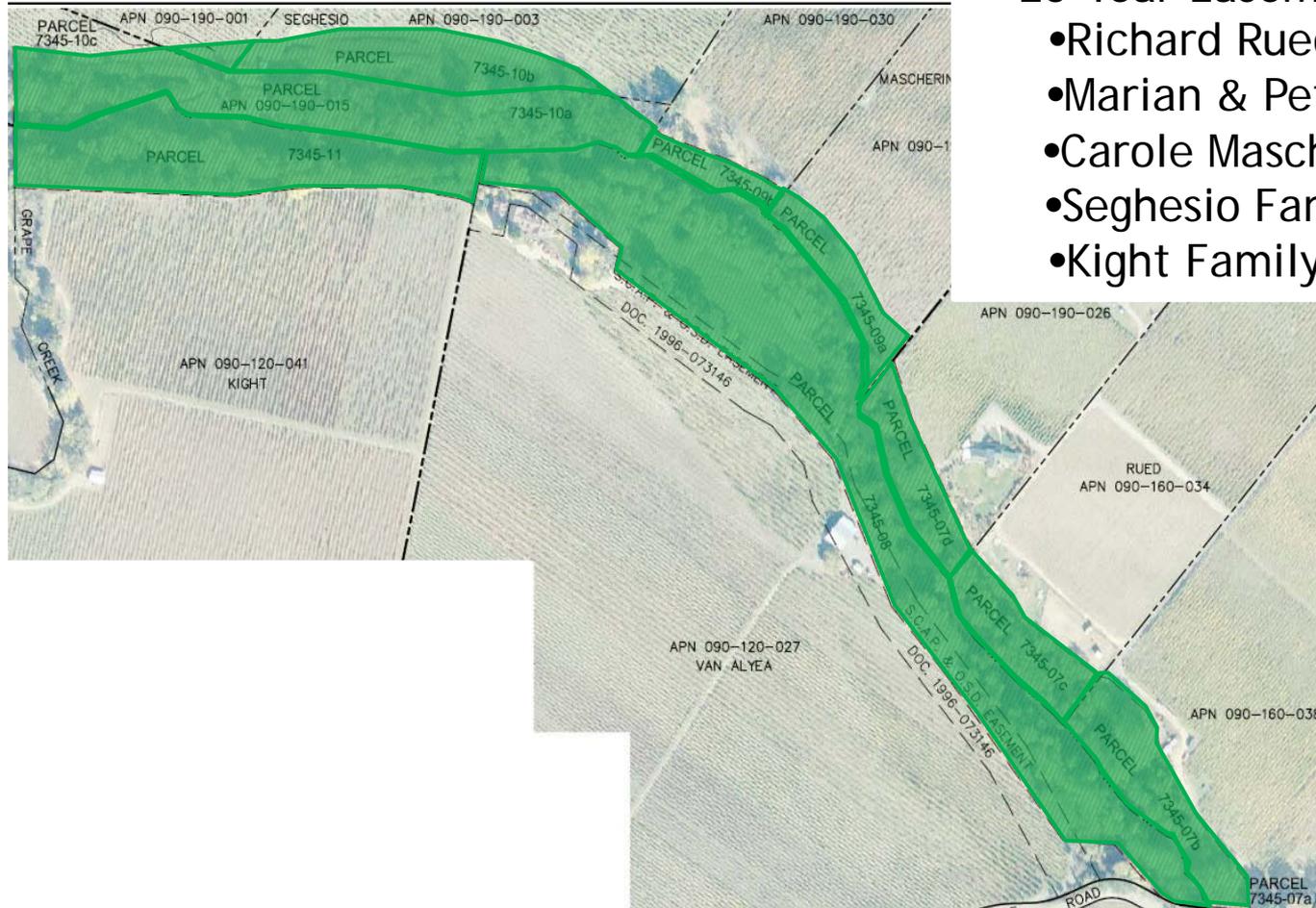
•Temporary Construction Easements

- Michael & Vicky Farrow (0.206 ac)
- Donald & Kim Wallace (0.103 ac)

Upstream of Lambert Bridge

•25-Year Easements

- Richard Rued Family Trust (3.583 ac)
- Marian & Peter Van Alyea (8.315 ac)
- Carole Mascherini (1.307 ac)
- Seghesio Family (5.88 ac)
- Kight Family Trust (3.341 ac)



Next Steps

- 90% Design Approval by NMFS and DFG
- Initiate Landowner Negotiations
- Apply for Permits
 - DFG, Army Corps, Regional Board
- Board Approval for Easement Agreements
- Advertise for Construction Spring 2012
- Begin Construction Summer 2012

Requested Board Actions

- Approve Initial Study/Mitigated Neg Dec
- Approve the Project
- Authorize Filing NOD for CEQA
- Authorize General Manager to Acquire Property Rights