

Dry Creek

Fish Habitat Enhancement Feasibility Efforts



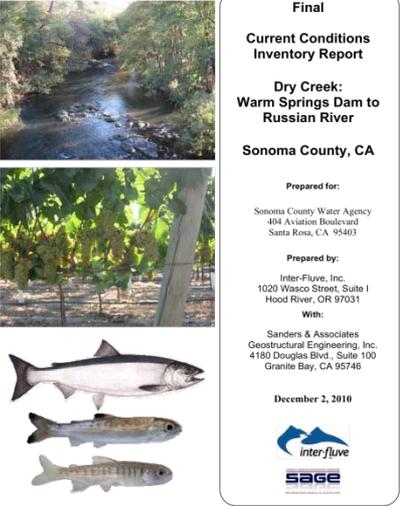
Talk Outline

- Technical efforts to date
 - Inventory
 - Enhancement feasibility
- Enhancement feasibility
 - Direct creation
 - Adaptive management
- Conceptual approaches
- Next steps
 - Concept design
 - Demonstration projects



Dry Creek Habitat Enhancement Technical Efforts

- Feasibility Study: 3 primary study phases
 - 1) Inventory of Current Conditions – *Complete*
 - 2) Feasibility Analysis – *Draft Complete*
 - 3) Conceptual Design – *Summer 2011*



Final
Current Conditions
Inventory Report

Dry Creek:
Warm Springs Dam to
Russian River

Sonoma County, CA

Prepared for:
Sonoma County Water Agency
404 Aviation Boulevard
Santa Rosa, CA 95403

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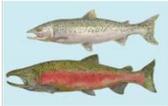
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December 2, 2010



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



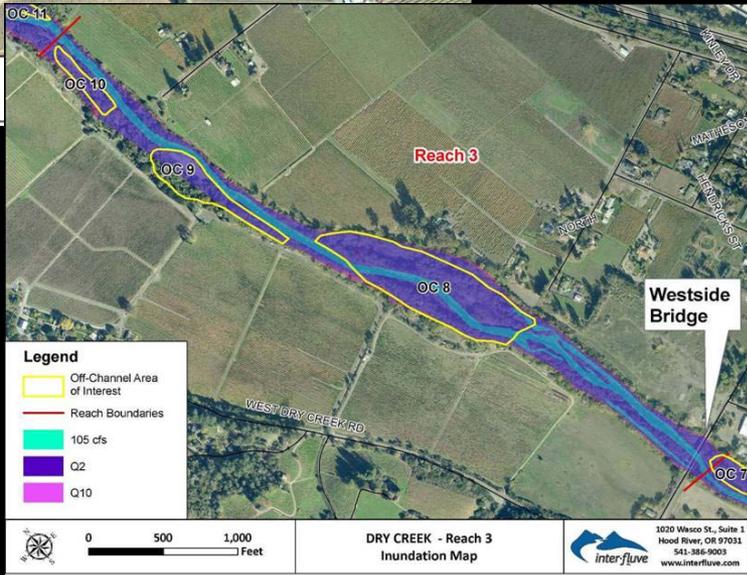
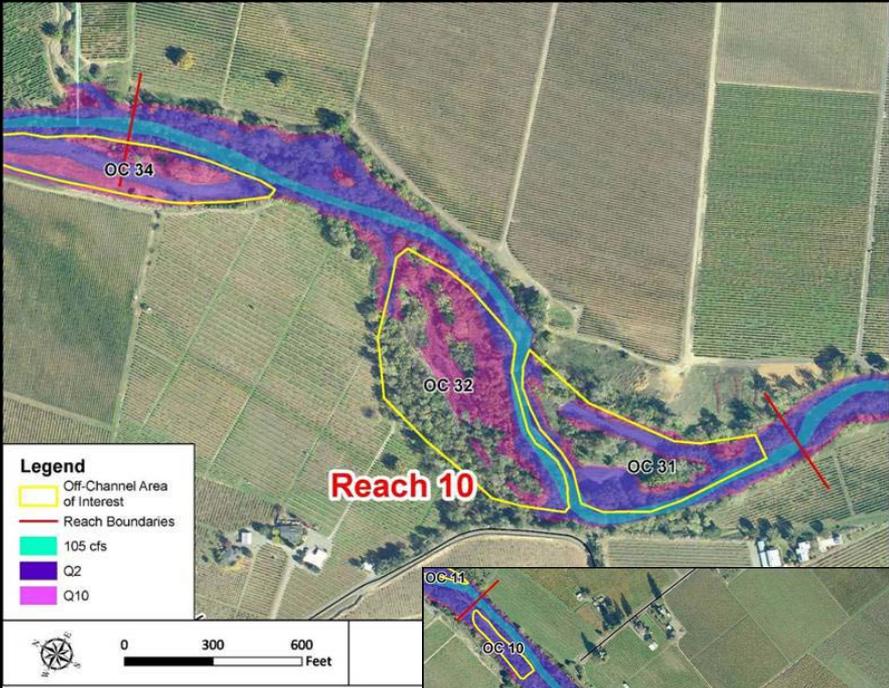
Inventory of Current Conditions in Dry Creek

- Geomorphic conditions
- Vegetative conditions
- Fisheries habitat conditions



Habitat Enhancement Feasibility Study

- Many opportunities identified
- Distributed throughout 13 miles
- 9 miles of off channel opportunity
- Vary by location



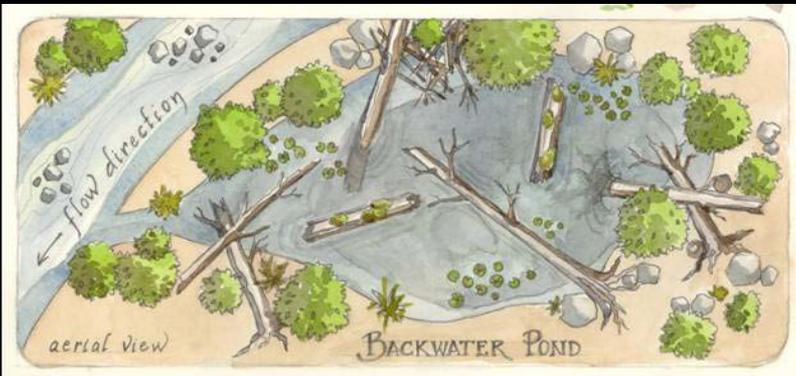
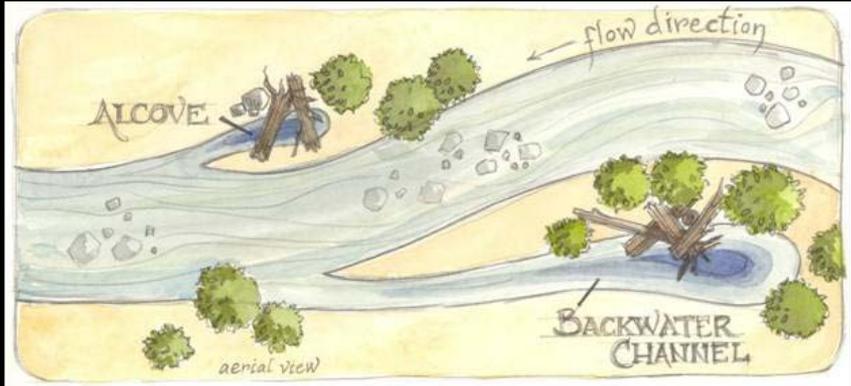
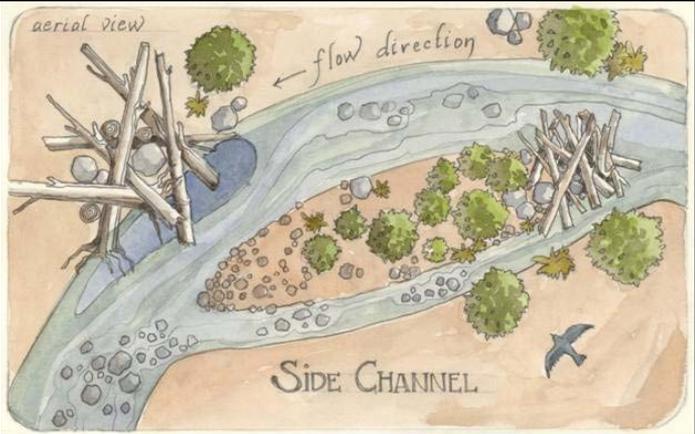
Habitat Enhancement Feasibility Study

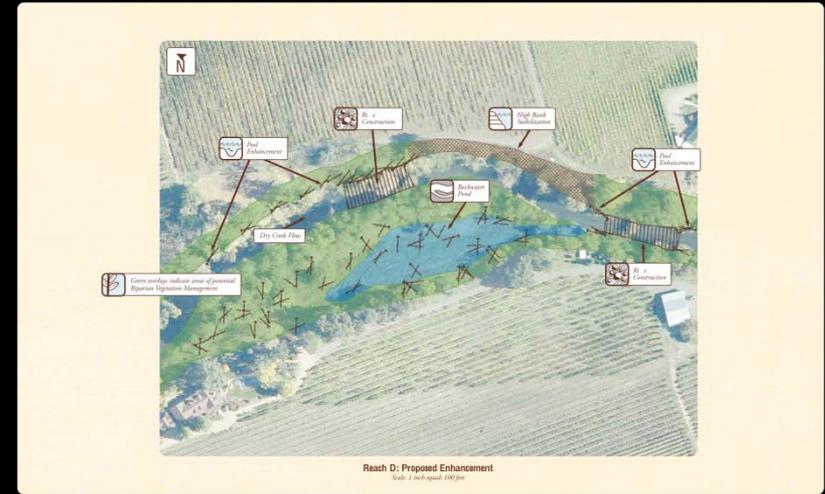
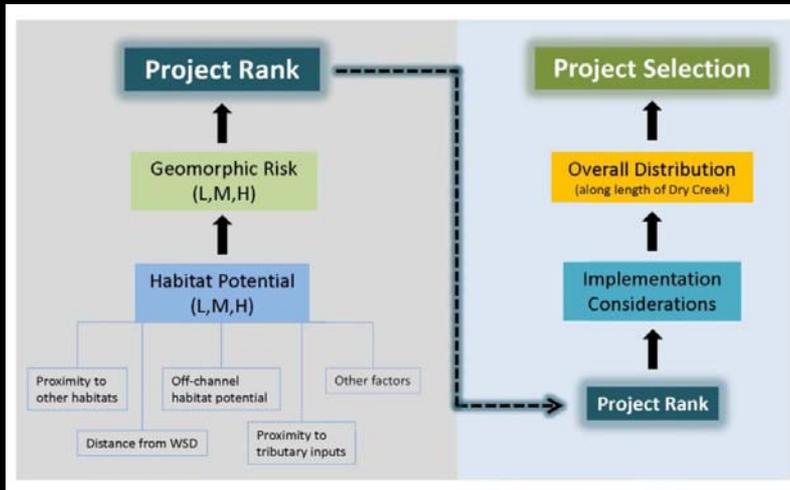
- Opportunities exist within a range of general approaches.
- For some areas of Dry Creek, existing fluvial processes may prove sufficient to allow a process based approach to enhancement.
- Other areas will need an adaptive management approach to maintain habitat long term.



Habitat Enhancement Feasibility Study

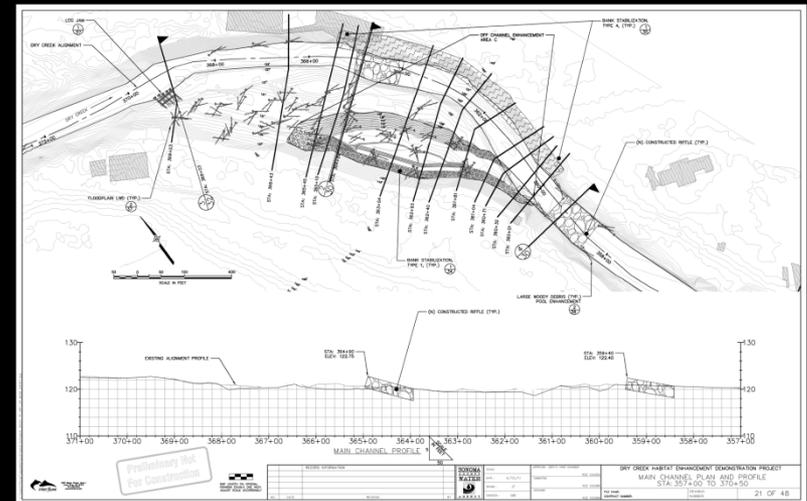
Conceptual Approaches





Next Steps

- Site specific conceptual design
- Site rankings
- Demonstration reach final design





Side channel enhancement in demonstration reach

Questions?

