The Wood for Salmon Working Group

Photo Credit: Matt Coleman

Jonathan W. Warmerdam

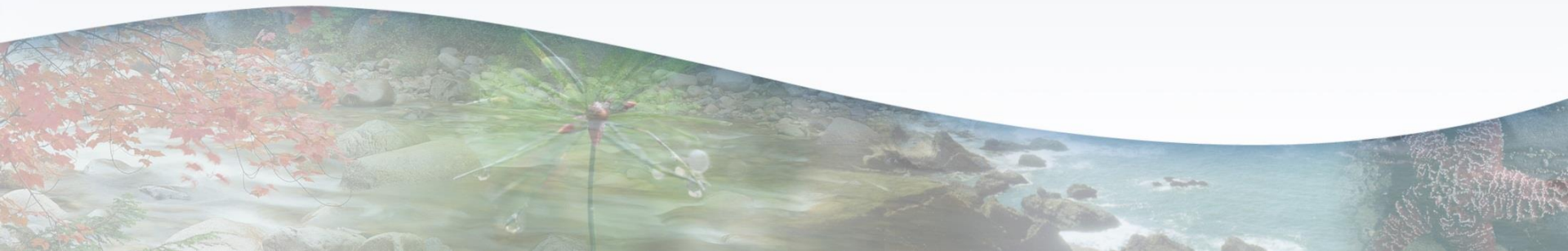
North Coast Regional
Water Quality Control Board

August 27, 2014

Presentation Topics

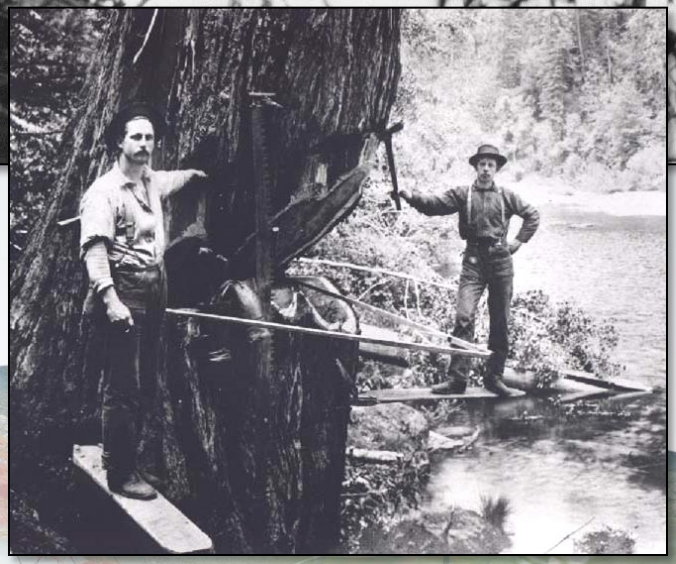
I. Eras of Instream Wood
II. Wood for Salmon Working Group
III. Promoting Restoration

Part I:
Eras of Instream Wood



Phase 1: 1,000,000+ Years of Natural Recruitment

Phase 2: Early Logging (1850s – 1920s):

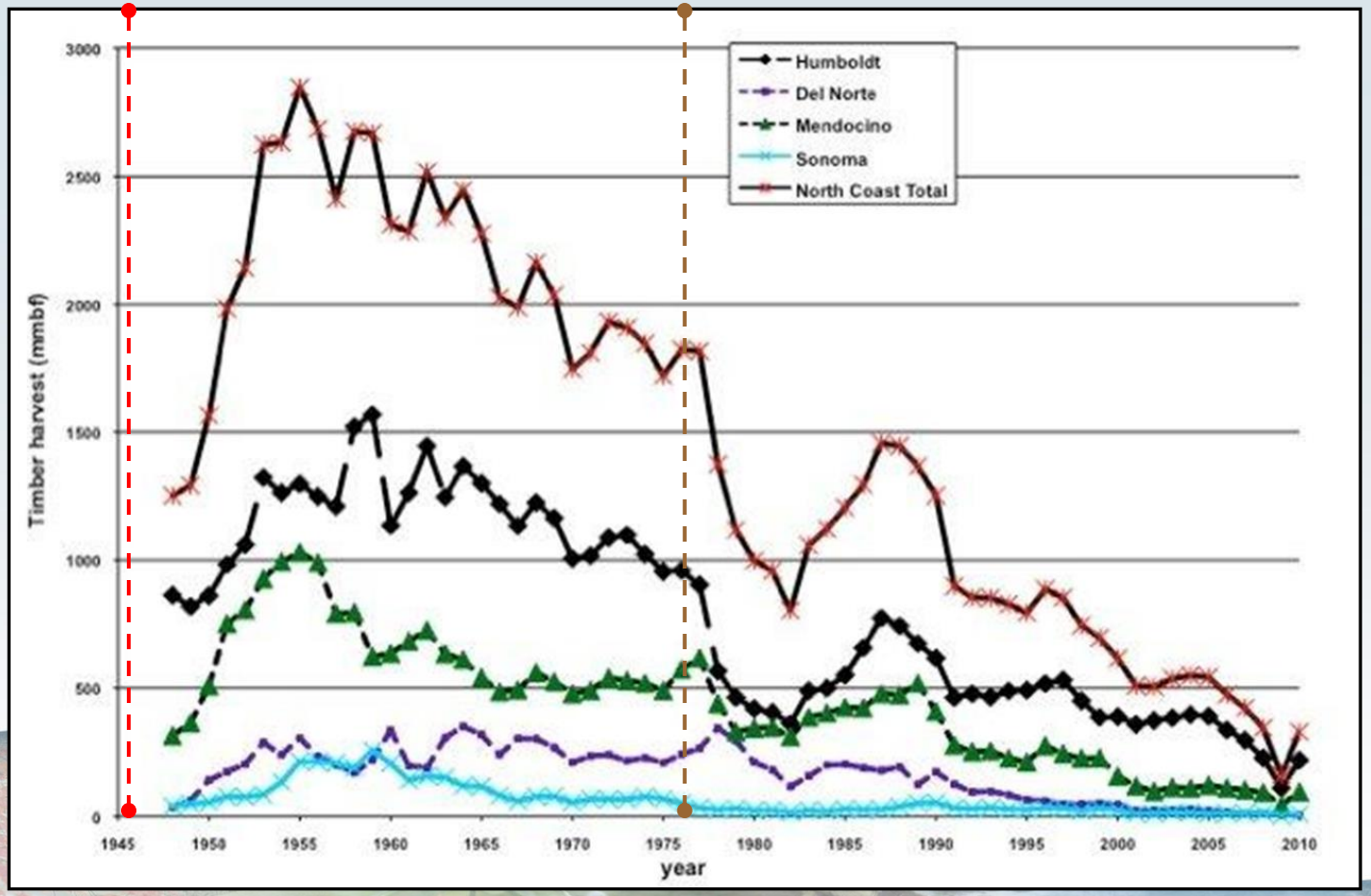


Phase 3: Post WW-II Logging (1945 – 1970s)

Phase 3: Post WW-II Logging (1945 - 2010)

***Ad Valorem* Timber Property Tax 1945**

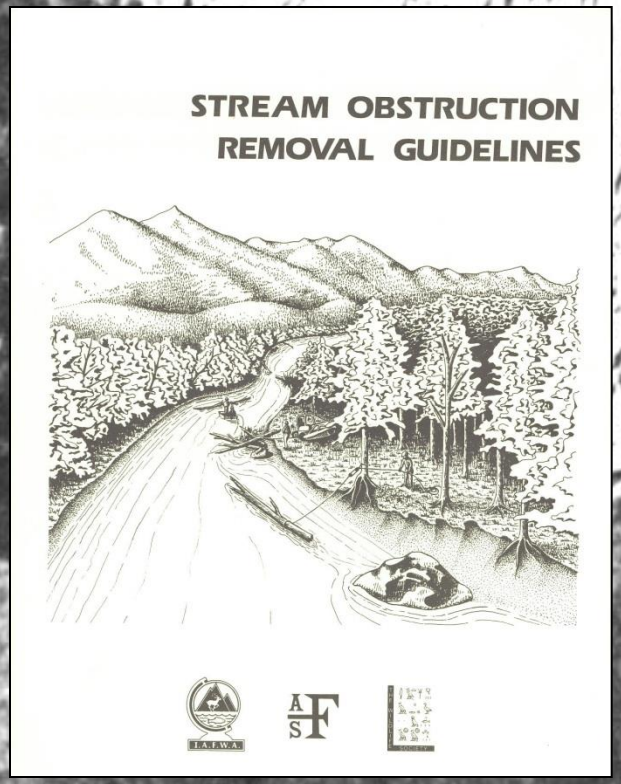
Forest Practice Rules Sustained Yield Tax 1976



UCCE Forestry (2012)

Phase 4: Stream Clearing

(1970-80s)



Phase 5 (Present):

Awaiting riparian forests to mature and natural recruitment process to restart….and waiting….and….waiting….

Why wood?

- Natural watershed product
- Improves habitat complexity
- Sorts spawning gravels
- Mobilizes bedload
- Scours pools
- Provides year-round shelter
- Promotes water availability
- Improves temperatures
- Cost effective measure

“The Coral Reefs of the River”

Part II:
Wood for Salmon Working Group

Wood for Salmon Working Group

State and Federal Agencies

- NOAA / NMFS
- CAL FIRE
- California Department of Fish and Wildlife
- North Coast Regional Water Quality Control Board
- California Geological Survey
- Army Corps of Engineers

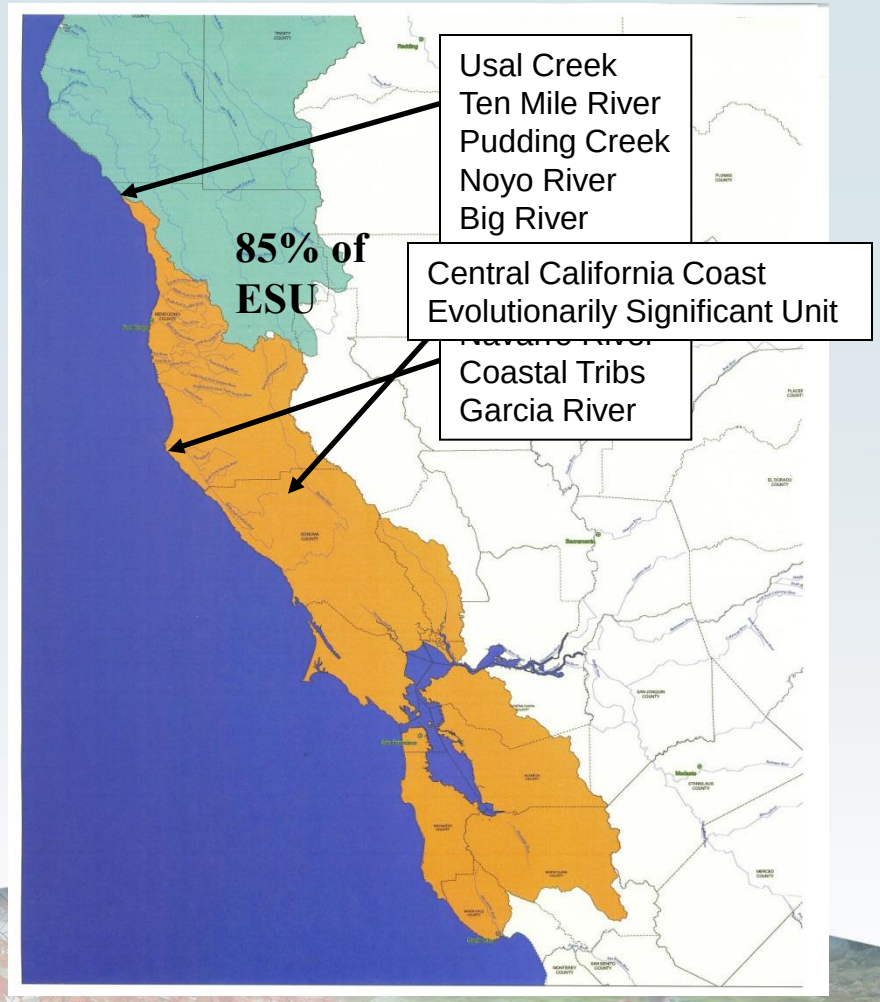
NGOs, Non-Profits, Consultants, Stakeholders

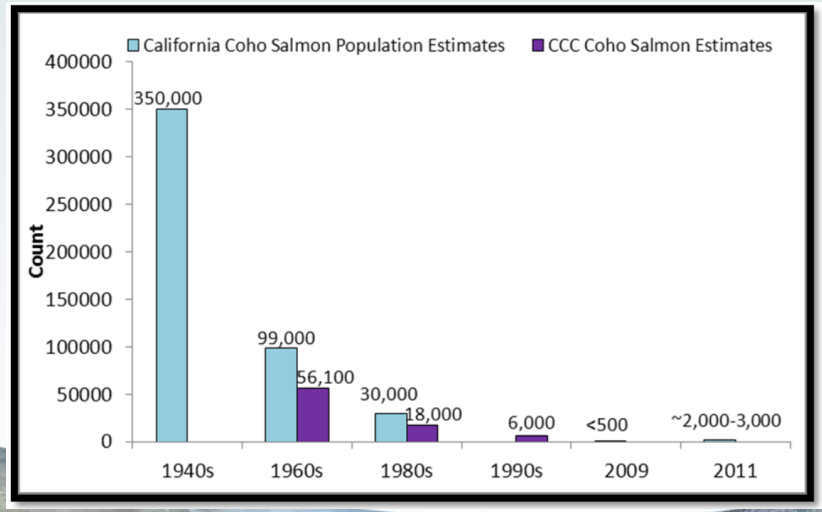
- *Alnus* Ecological
- Campbell Global Incorporated
- The Nature Conservancy
- Trout Unlimited
- Sustainable Conservation
- University California Cooperative Extension
- Natural Resources Conservation Service
- Mendocino County Resource Conservation District
- Sonoma Resource Conservation District
- Sonoma County Water Agency

Mission Statement

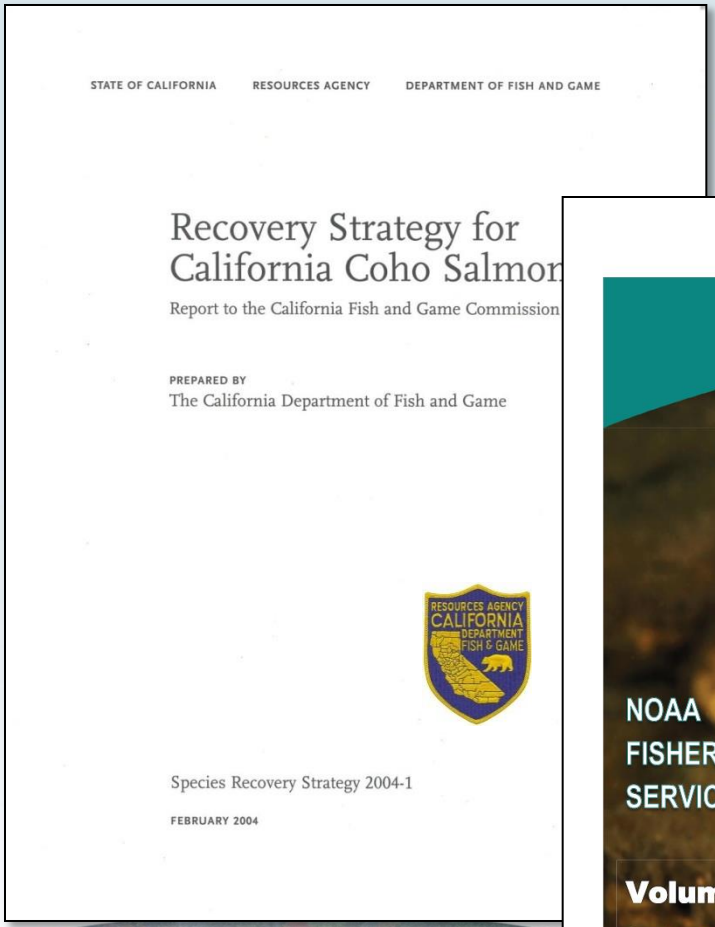
- **Promote recovery actions** described in state and federal salmonid recovery plans by accelerating the pace and scale of instream restoration projects, *especially large wood enhancement*.

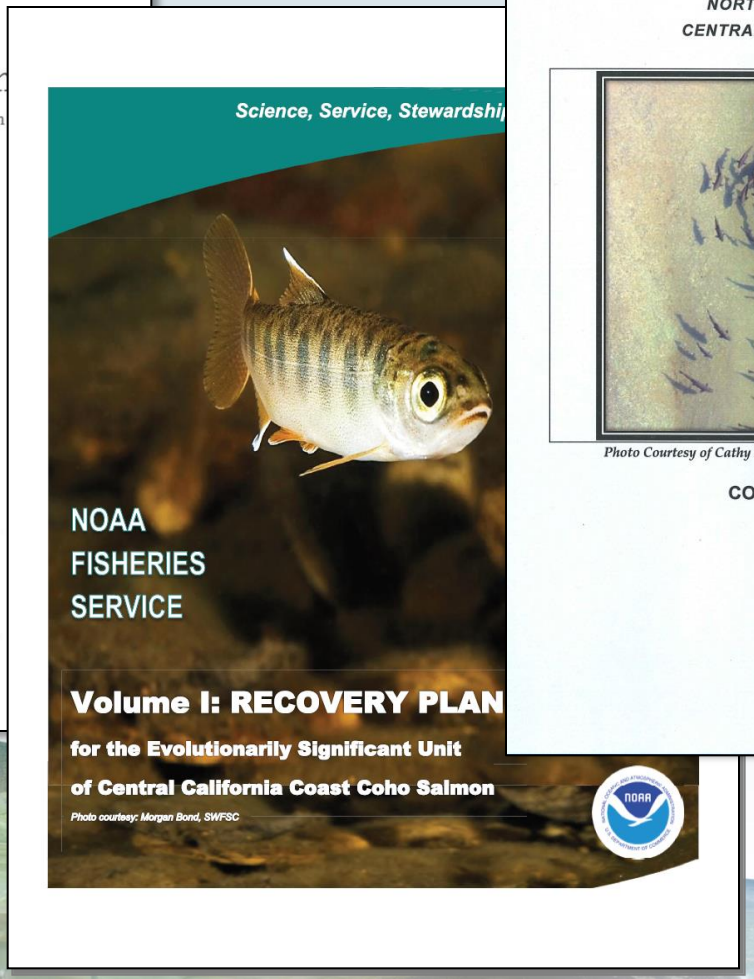
Coho Salmon Status

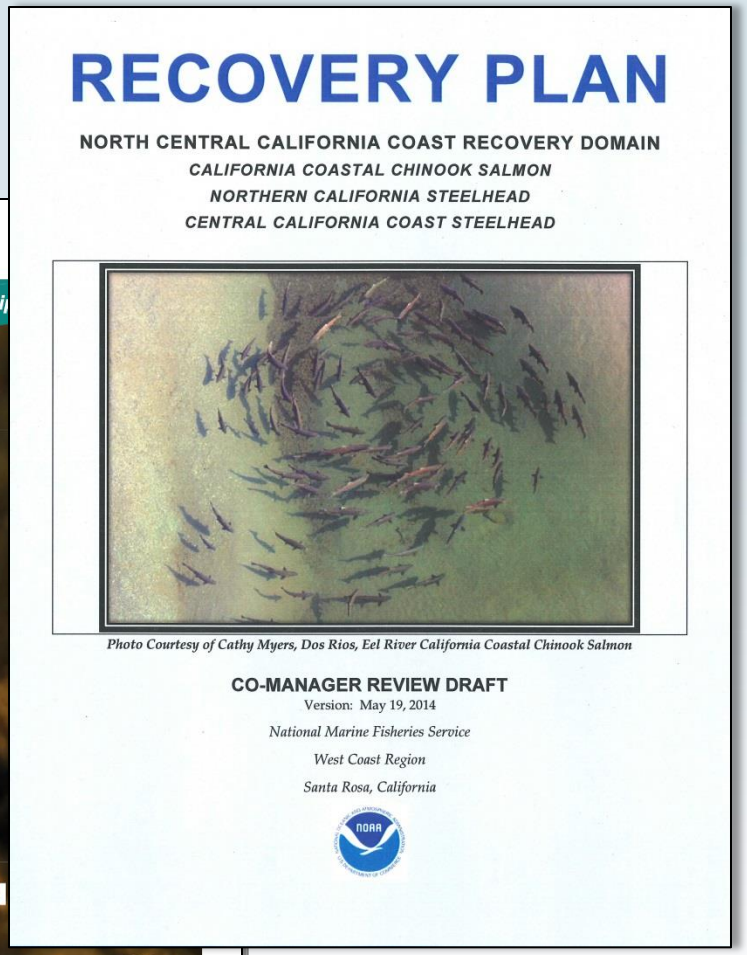




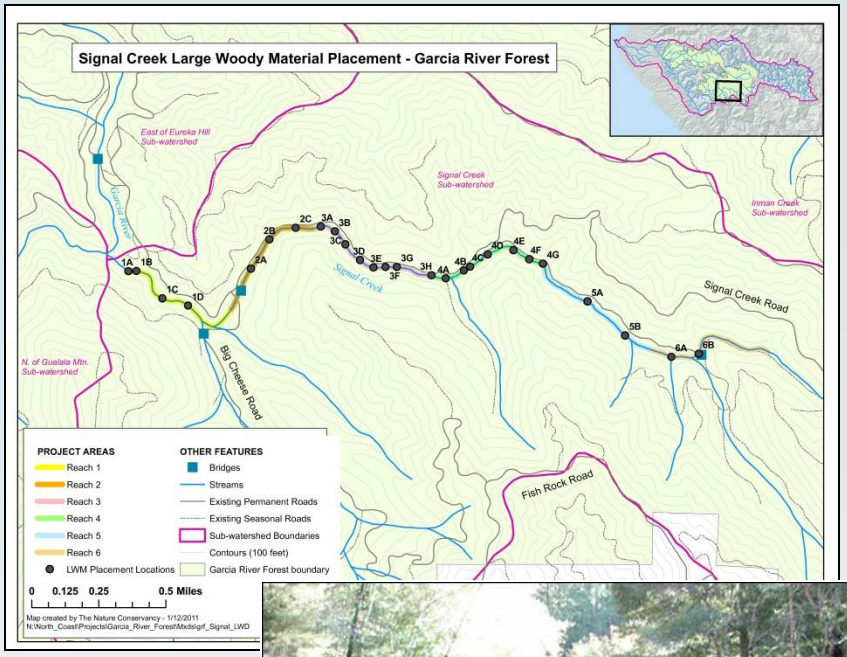
Recovery Plan Strategies: ↑ LWM







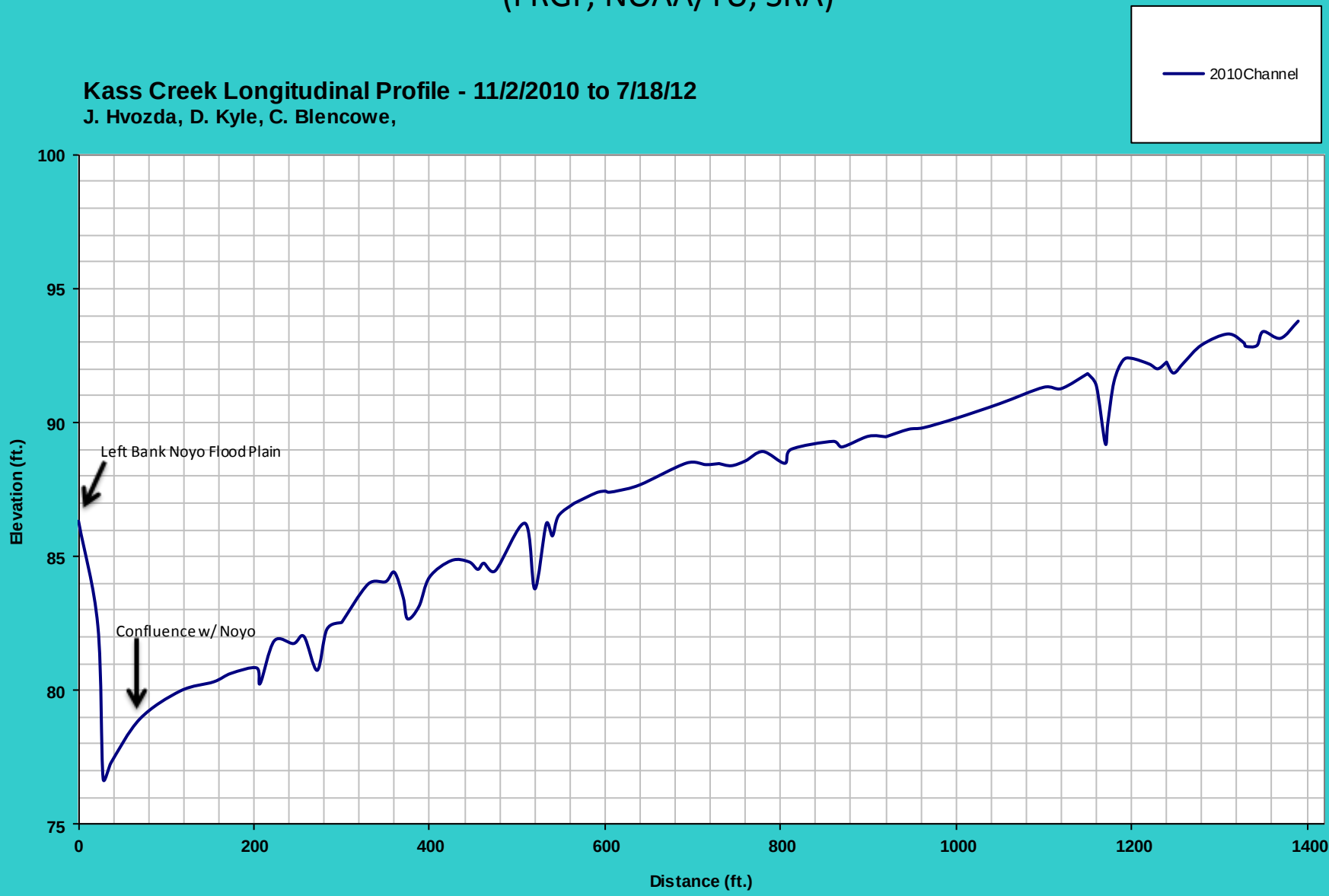
New Effective LWM Techniques



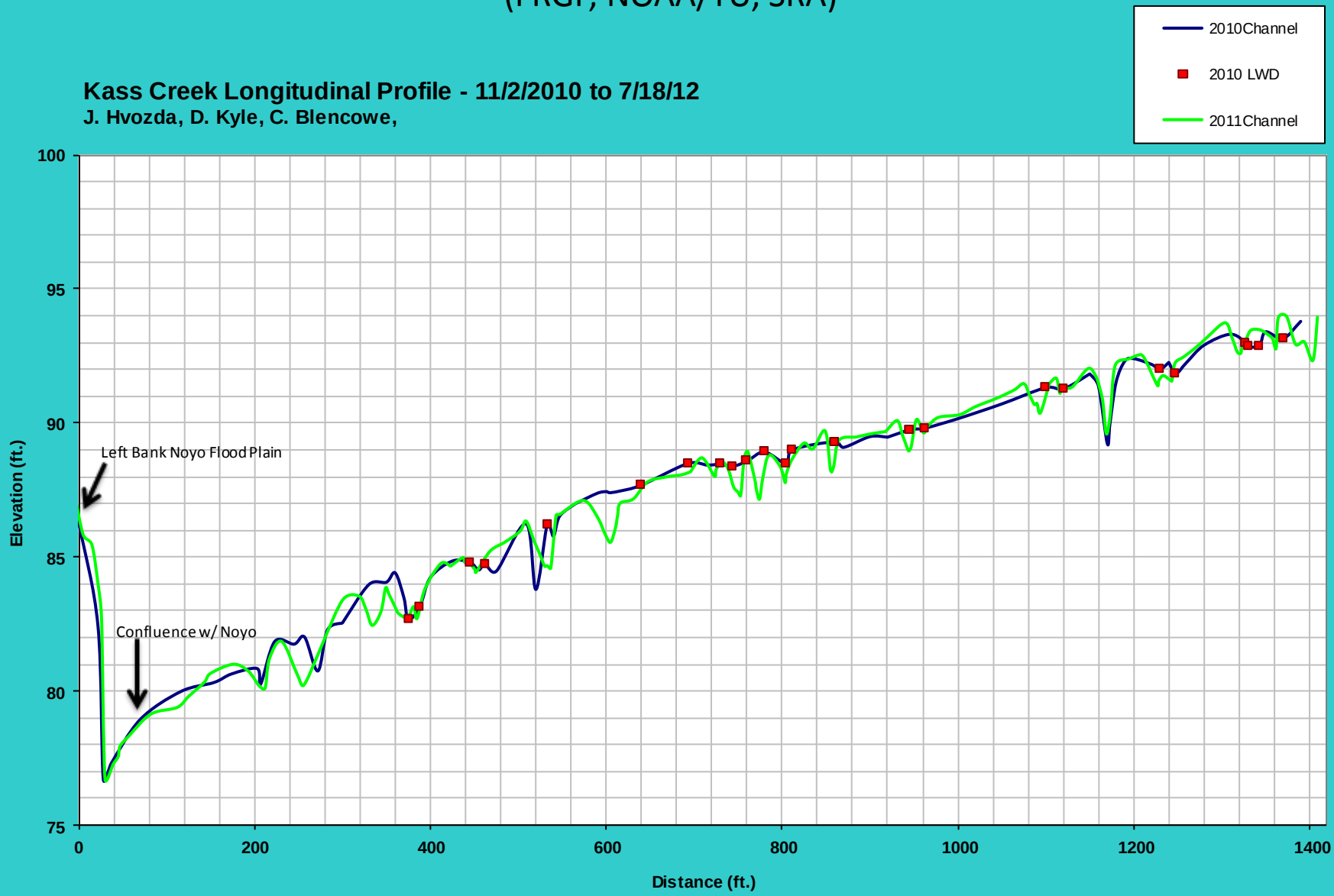
- **Accelerated Recruitment**
  - Streamside or Upslope Wood
  - Directional falling
  - Wood wedging or Unanchored
  - Cost Effective

- **Practitioners:**
  - Chris Blencowe, Ken Smith
  - Campbell Global Inc.
  - Gualala Redwoods Inc.
  - The Nature Conservancy
  - The Conservation Fund
  - Trout Unlimited
  - Mendocino Redwood Co.

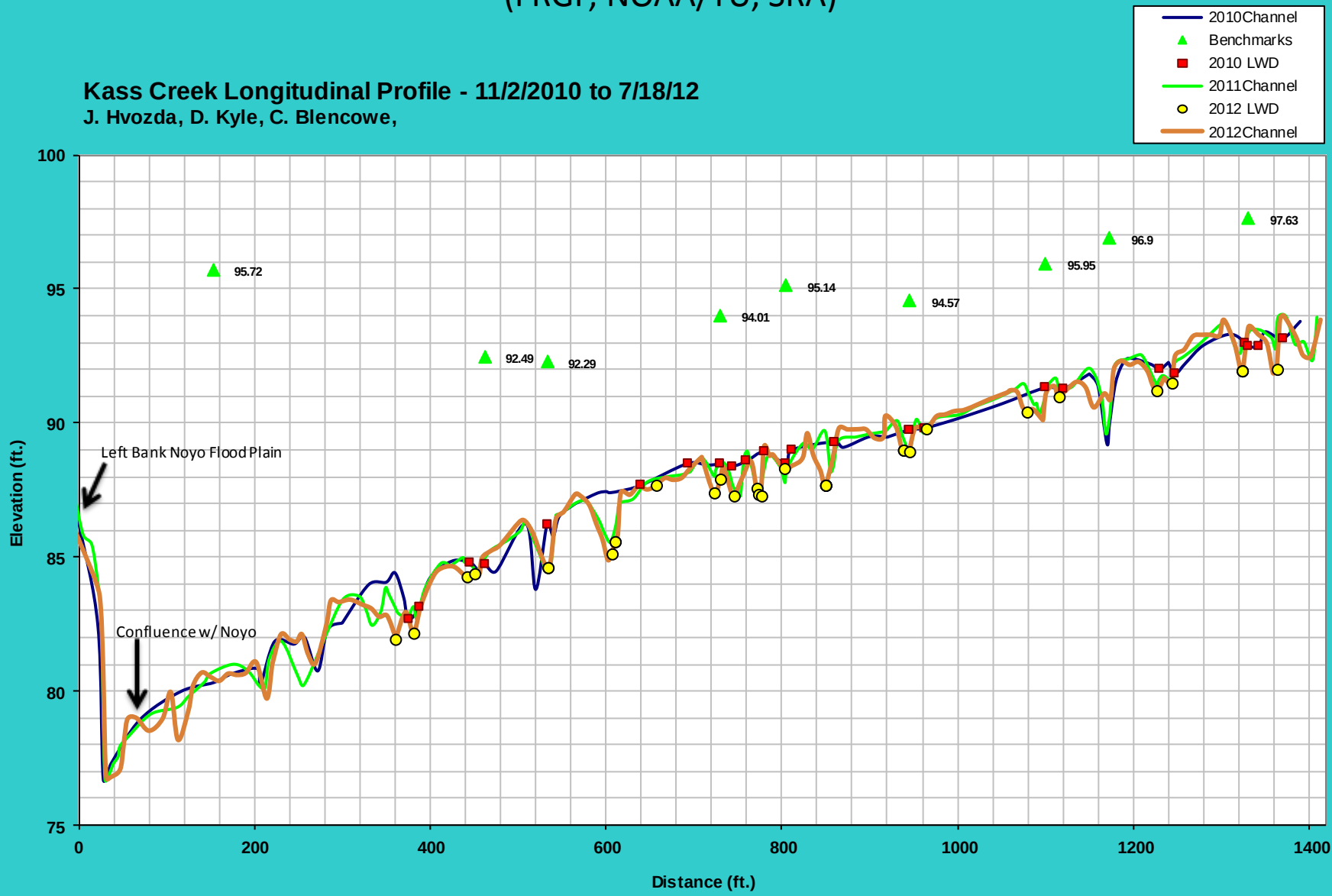
Longitudinal Profile of Lower 1400' Project Reach in Kass Creek (Noyo River) (2010-2012) (FRGP, NOAA/TU, SRA)



Longitudinal Profile of Lower 1400' Project Reach in Kass Creek (Noyo River) (2010-2012) (FRGP, NOAA/TU, SRA)



Longitudinal Profile of Lower 1400' Project Reach in Kass Creek (Noyo River) (2010-2012) (FRGP, NOAA/TU, SRA)



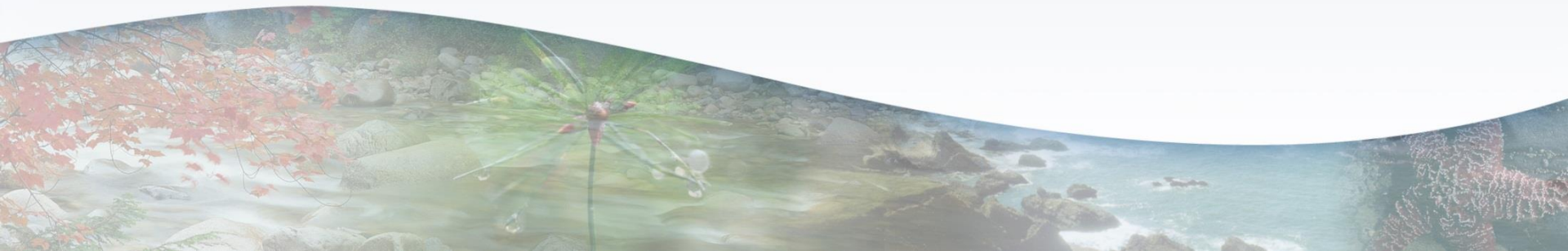
Adding roughness elements to streams in the Redwood Region may help reconnect these channels to floodplains, an important factor in over-winter survival for juvenile coho and steelhead

Tales from the Creek

How can we promote *voluntary* LWM projects? What's stopping us?

- Complex Permitting
- Guidance Lacking
- Lots of Paperwork
- Costly Fees
- Expensive

Part III:
Promoting Restoration



WFSWG Objectives

1. Understand the Permitting Process
2. Conduct Outreach and Education
3. Develop Guidance and Tools
4. Improve, Align and Consolidate Permitting
5. Support New Restoration Pathways
6. Secure Funding Assistance

Understanding the Permitting Process

Federal Regulations:

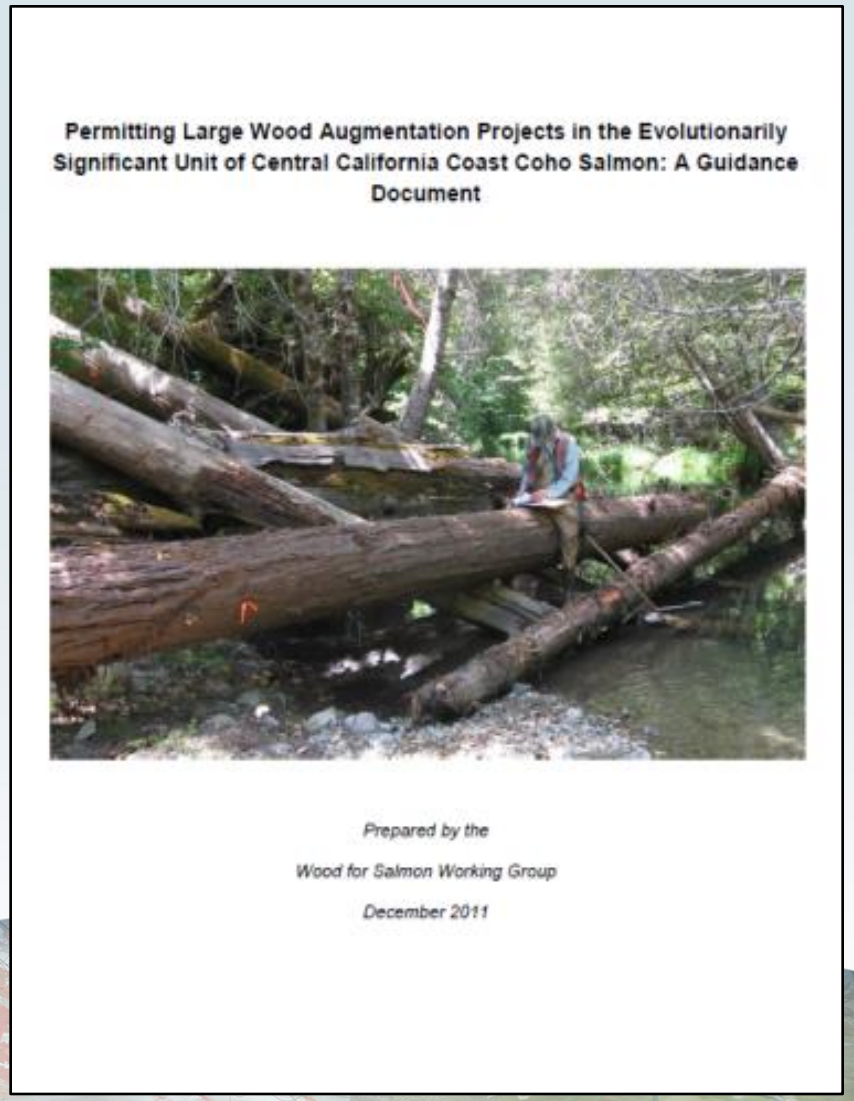
1. **Army Corps of Engineers**
   - (a) Section 404 of the Clean Water Act
   - (b) Section 10 of the Rivers and Harbors Act
2. **National Marine Fisheries Service / NOAA**
   - (a) Incidental Take of Federally Listed Salmonids
3. **U.S. Fish and Wildlife Service**
   - (a) Incidental Take of other Federally Listed Species
4. **National Historic Preservation Act**

State Regulations:

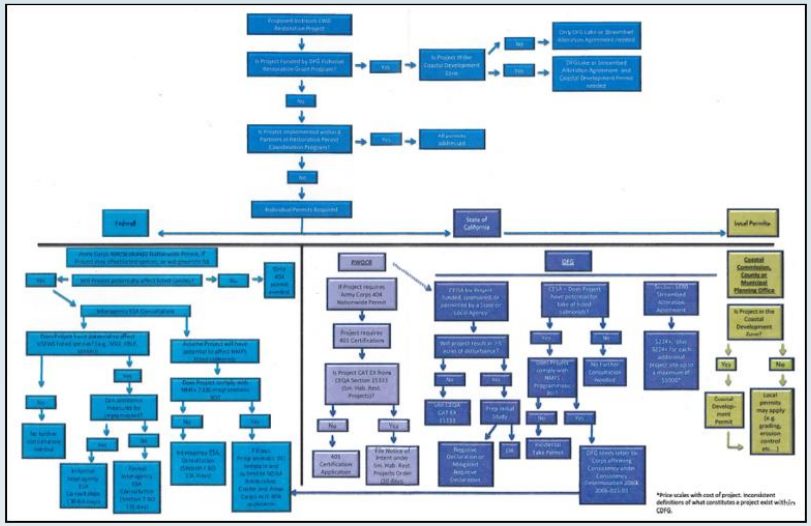
1. **California Department of Fish and Wildlife**
   - (a) Lake and Streambed Alteration Agreement
   - (b) California Endangered Species Act
   - (c) Coho HELP Act
2. **State and Regional Water Boards**
   - (a) Section 401 of the Clean Water Act
   - (b) Waste Discharge Requirement Permits
3. **State Coastal Commission**
   - (a) Coastal Development Permit
4. **California Environmental Quality Act (CEQA)**

Outreach and Education

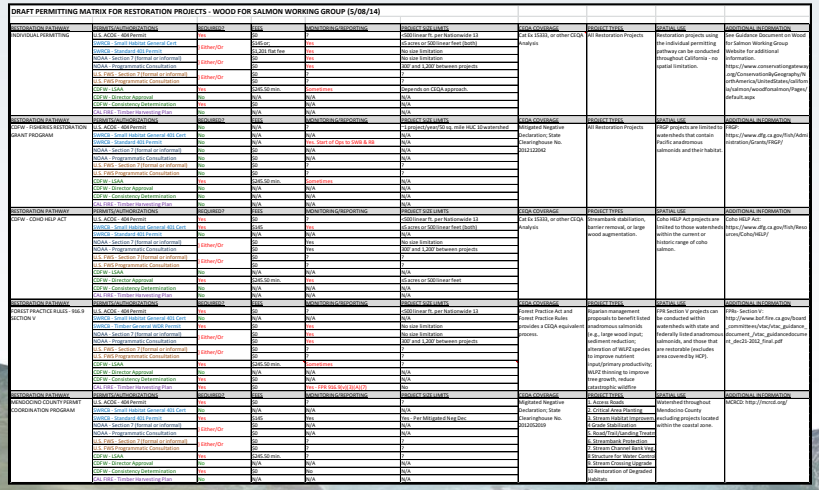
Guidance Document



Permit Flowchart



Permitting Matrix



DRAFT PERMITTING MATRIX FOR RESTORATION PROJECTS - WOOD FOR SALMON WORKING GROUP (5/08/14)

RESTORATION PATHWAY	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEQA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
INDIVIDUAL PERMITTING	U.S. ACOE - 404 Permit	Yes	$0	?	>500 linear ft. per Nationwide 32	Cat Ex 15333, or other CEQA Analysis	All Restoration Projects	Restoration projects using the individual permitting pathway can be conducted throughout California - no spatial limitation.	See Guidance Document on Wood for Salmon Working Group Website for additional information. https://www.conservationgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/california/salmon/woodforsalmon/Pages/default.aspx
	CDFG/CB - Small Habitat General Cert	Either/Or	$145 or; $1,201 flat fee	Yes	Yes, 1/2 acre or 500 linear feet (both)				
	CDFG/CB - Standard 401 Permit			Yes	No size limitation				
	NOAA - Section 7 (formal or informal)	Either/Or	$0	Yes	No size limitation				
	NOAA - Programmatic Consultation		$0	Yes	300' and 1,200' between projects				
	U.S. FWS - Section 7 (formal or informal)	Either/Or	$0	?	?				
	U.S. FWS Programmatic Consultation		$0	?	?				
	CDFW - LSAA	Yes	$2,45.50 min.	Sometimes	Depends on CEQA approach				
	CDFW - Director Approval	No	N/A	N/A	N/A				
	CDFW - Consistency Determination	Yes	$0	N/A	N/A				
	CA. FIRE - Timber Harvesting Plan	No	N/A	N/A	N/A				
RESTORATION PATHWAY	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEQA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
CDFW - FISHERIES RESTORATION GRANT PROGRAM	U.S. ACOE - 404 Permit	No	N/A	N/A	? (project/year/SQ mi. mile HUC 10 watershed	Mitigated Negative Declaration; State Clearinghouse No. 2012122042	All Restoration Projects	FRGP projects are limited to watersheds that contain Pacific anadromous salmonids and their habitat.	FRGP https://www.dfg.ca.gov/fish/Administration/Grants/FRGP/
	CDFG/CB - Small Habitat General 401 Cert	No	N/A	N/A	N/A				
	CDFG/CB - Standard 401 Permit	No	N/A	Yes. Start of Ops to SWA & RR	N/A				
	NOAA - Section 7 (formal or informal)	No	$0	N/A	N/A				
	NOAA - Programmatic Consultation	No	$0	N/A	N/A				
	U.S. FWS - Section 7 (formal or informal)	No	$0	?	?				
	U.S. FWS Programmatic Consultation	No	$0	?	?				
	CDFW - LSAA	Yes	$2,45.50 min.	Sometimes	N/A				
	CDFW - Director Approval	No	N/A	N/A	N/A				
	CDFW - Consistency Determination	No	N/A	N/A	N/A				
	CA. FIRE - Timber Harvesting Plan	No	N/A	N/A	N/A				
RESTORATION PATHWAY	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEQA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
CDFW - COHO HELP ACT	U.S. ACOE - 404 Permit	Yes	$0	?	>500 linear ft. per Nationwide 32	Cat Ex 15333, or other CEQA Analysis	Streambank stabilization, barrier removal, or large wood augmentation.	Coho HELP Act projects are limited to those watersheds within the current or historic range of coho salmon.	Coho HELP Act https://www.dfg.ca.gov/fish/Resources/Coho/HELP/
	CDFG/CB - Small Habitat General 401 Cert	Yes	$145	Yes	1/2 acre or 500 linear feet (both)				
	CDFG/CB - Standard 401 Permit	No	N/A	N/A	N/A				
	NOAA - Section 7 (formal or informal)	Either/Or	$0	Yes	No size limitation				
	NOAA - Programmatic Consultation		$0	Yes	300' and 1,200' between projects				
	U.S. FWS - Section 7 (formal or informal)	Either/Or	$0	?	?				
	U.S. FWS Programmatic Consultation		$0	?	?				
	CDFW - LSAA	No	N/A	N/A	N/A				
	CDFW - Director Approval	Yes	$2,45.50 min.	Yes	10 acres or 500 linear feet				
	CDFW - Consistency Determination	No	N/A	N/A	N/A				
	CA. FIRE - Timber Harvesting Plan	No	N/A	N/A	N/A				
RESTORATION PATHWAY	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEQA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
FOREST PRACTICE RULES - 916.9 SECTION V	U.S. ACOE - 404 Permit	Yes	$0	?	>500 linear ft. per Nationwide 32	Forest Practice Act and Forest Practice Rules provides a CEQA equivalent process.	Riparian management proposals to benefit listed anadromous salmonids (e.g., large wood input; sediment reduction; diversion of WLPZ species to improve nutrient input/primary productivity; WLPZ thinning to improve tree growth, reduce catastrophic wildfire	THP Section V projects can be conducted within watersheds with state and federally listed anadromous salmonids, and those that are restorable (excludes area covered by HCP).	THP Section V: http://www.bof.fire.ca.gov/board_committees/vtac/vtac_guidance_document_/vtac_guidancedocument_dec21-2012_final.pdf
	CDFG/CB - Small Habitat General 401 Cert	No	N/A	N/A	N/A				
	CDFG/CB - Timber General WDR Permit	Yes	$0	Yes	No size limitation				
	NOAA - Section 7 (formal or informal)	Either/Or	$0	Yes	No size limitation				
	NOAA - Programmatic Consultation		$0	Yes	300' and 1,200' between projects				
	U.S. FWS - Section 7 (formal or informal)	Either/Or	$0	?	?				
	U.S. FWS Programmatic Consultation		$0	?	?				
	CDFW - LSAA	Yes	$2,45.50 min.	Sometimes	?				
	CDFW - Director Approval	No	N/A	N/A	N/A				
	CDFW - Consistency Determination	Yes	$0	N/A	N/A				
	CA. FIRE - Timber Harvesting Plan	Yes	$0	Yes, 1PR 666 Work Sheet?)	Yes				
RESTORATION PATHWAY	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEQA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
MENDOCINO COUNTY PERMIT COORDINATION PROGRAM	U.S. ACOE - 404 Permit	Yes	$0	?	?	Mitigated Negative Declaration; State Clearinghouse No. 2012052059	1 Access Roads 2 Critical Area Planting 3 Stream Habitat Improvement 4 Grade Stabilization 5 Road/Trail/Landing Treatment 6 Streambank Protection 7 Stream Channel Bank Veg 8 Structure for Water Control 9 Stream Crossing Upgrades 10 Restoration of Degraded Habitats	Watershed throughout Mendocino County excluding projects located within the coastal zone.	MCRCD: http://mcrcd.org/
	CDFG/CB - Small Habitat General 401 Cert	No	N/A	N/A	N/A				
	CDFG/CB - Standard 401 Permit	Yes	N/A	Yes	Yes - Per Mitigated Neg Dec				
	NOAA - Section 7 (formal or informal)	Either/Or	$0	N/A	N/A				
	NOAA - Programmatic Consultation		$0	N/A	N/A				
	U.S. FWS - Section 7 (formal or informal)	Either/Or	$0	?	?				
	U.S. FWS Programmatic Consultation		$0	?	?				
	CDFW - LSAA	Yes	$2,45.50 min.	?	?				
	CDFW - Director Approval	No	N/A	N/A	N/A				
	CDFW - Consistency Determination	Yes	$0	No	N/A				
	CA. FIRE - Timber Harvesting Plan	No	N/A	N/A	N/A				

Guidance and Tools

CONSERVEONLINE
CONNECTING CONSERVATION PRACTITIONERS WORLDWIDE

Member Sign In | Forgot Password? | Username | LOGIN | REGISTER » | Remember Me On This Computer

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You are here: Home → workspaces → Wood for Salmon

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Wood for Salmon

Join Workspace

Welcome to the Wood for Salmon Working Group workspace!

The Wood for Salmon Working Group developed this workspace to guide restoration practitioners through the permitting process for large wood augmentation projects and to promote habitat improvement for native salmon and trout. The Wood for Salmon Working Group is an informal group of California state, county, federal agency staff, representatives from environmental non-profits, and private landowners and consultants. This group came together to develop a clear understanding of the regulatory permitting process for salmon habitat restoration projects in the United States National Marine Fisheries Service's Central California Coast Evolutionarily Significant Unit of coho salmon (*Oncorhynchus kisutch*) involving wood placement, and to identify potential mechanisms to simplify the process and incentivize implementation of more projects.

Organizations involved include: Alnus Ecological Consulting, California Department of Fish and Game, California Department of Forestry and Fire Protection, California Geologic Survey, Campbell Timberland Managment, Mendocino County Resource Conservation District, National Marine Fisheries Service, National Resource Conservation Service, North Coast Regional Water Quality Control Board, Sustainable Conservation, The Nature Conservancy, United States Army Corps of Engineers, and University of California Cooperative Extension.

Workspace contents

What are wood restoration projects and how do they benefit salmon?

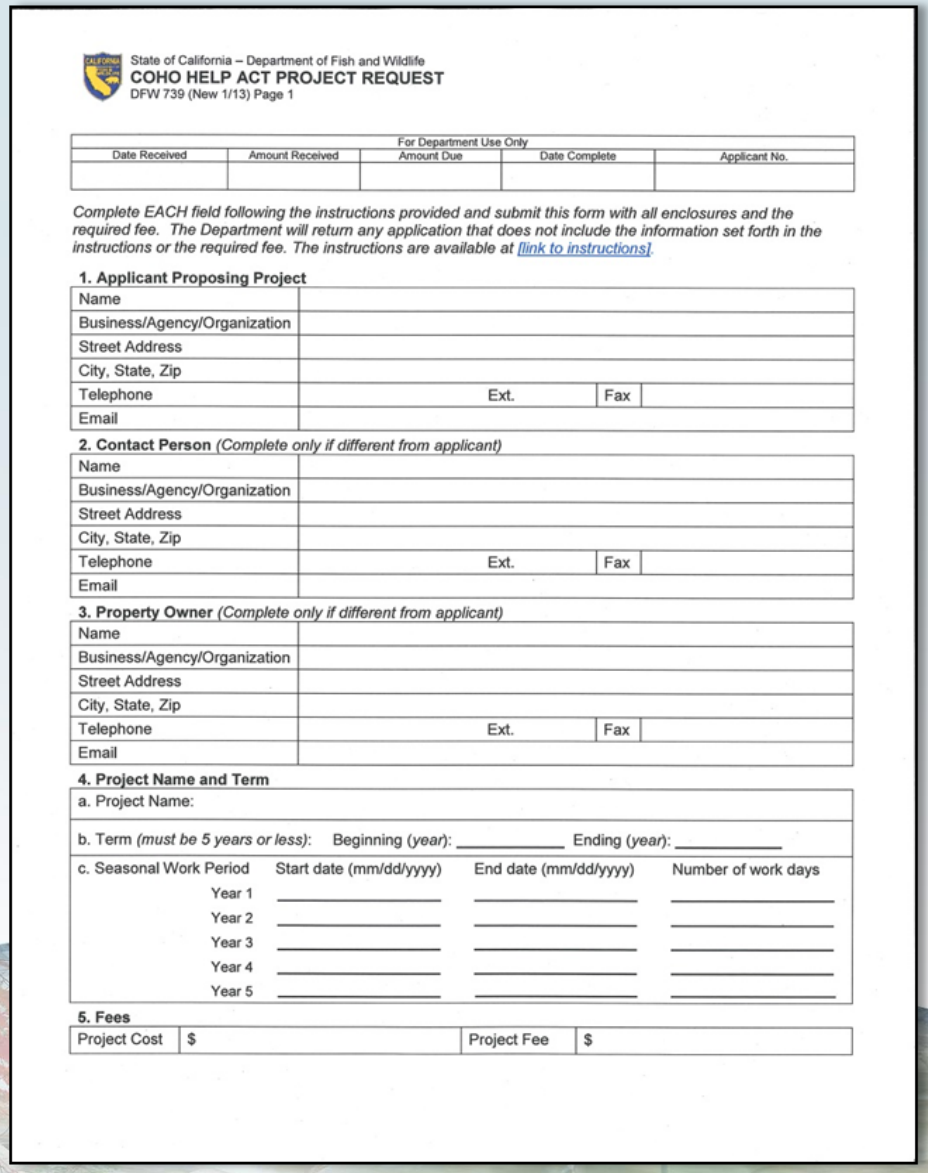
Reports/Publications/Tools

Presentations/Videos

References

For more information, please contact Lisa Hulette or Jennifer Carah, The Nature Conservancy (lhulette@tnc.org, jcarah@tnc.org), Bill Snyder, California Department of Forestry and Fire Protection (Bill.Snyder@fire.ca.gov), or Jonathan Warmerdam, North Coast Regional Water Quality Control Board (JWarmerdam@waterboards.ca.gov).

Improving Permitting



State of California – Department of Fish and Wildlife
COHO HELP ACT PROJECT REQUEST
DFW 739 (New 1/13) Page 1

For Department Use Only				
Date Received	Amount Received	Amount Due	Date Complete	Applicant No.

Complete EACH field following the instructions provided and submit this form with all enclosures and the required fee. The Department will return any application that does not include the information set forth in the instructions or the required fee. The instructions are available at [link to instructions].

1. Applicant Proposing Project

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

2. Contact Person *(Complete only if different from applicant)*

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

3. Property Owner *(Complete only if different from applicant)*

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

4. Project Name and Term

a. Project Name:

b. Term *(must be 5 years or less)*: Beginning *(year)*: _____ Ending *(year)*: _____

c. Seasonal Work Period	Start date (mm/dd/yyyy)	End date (mm/dd/yyyy)	Number of work days
Year 1			
Year 2			
Year 3			
Year 4			
Year 5			

5. Fees

Project Cost	$	Project Fee	$

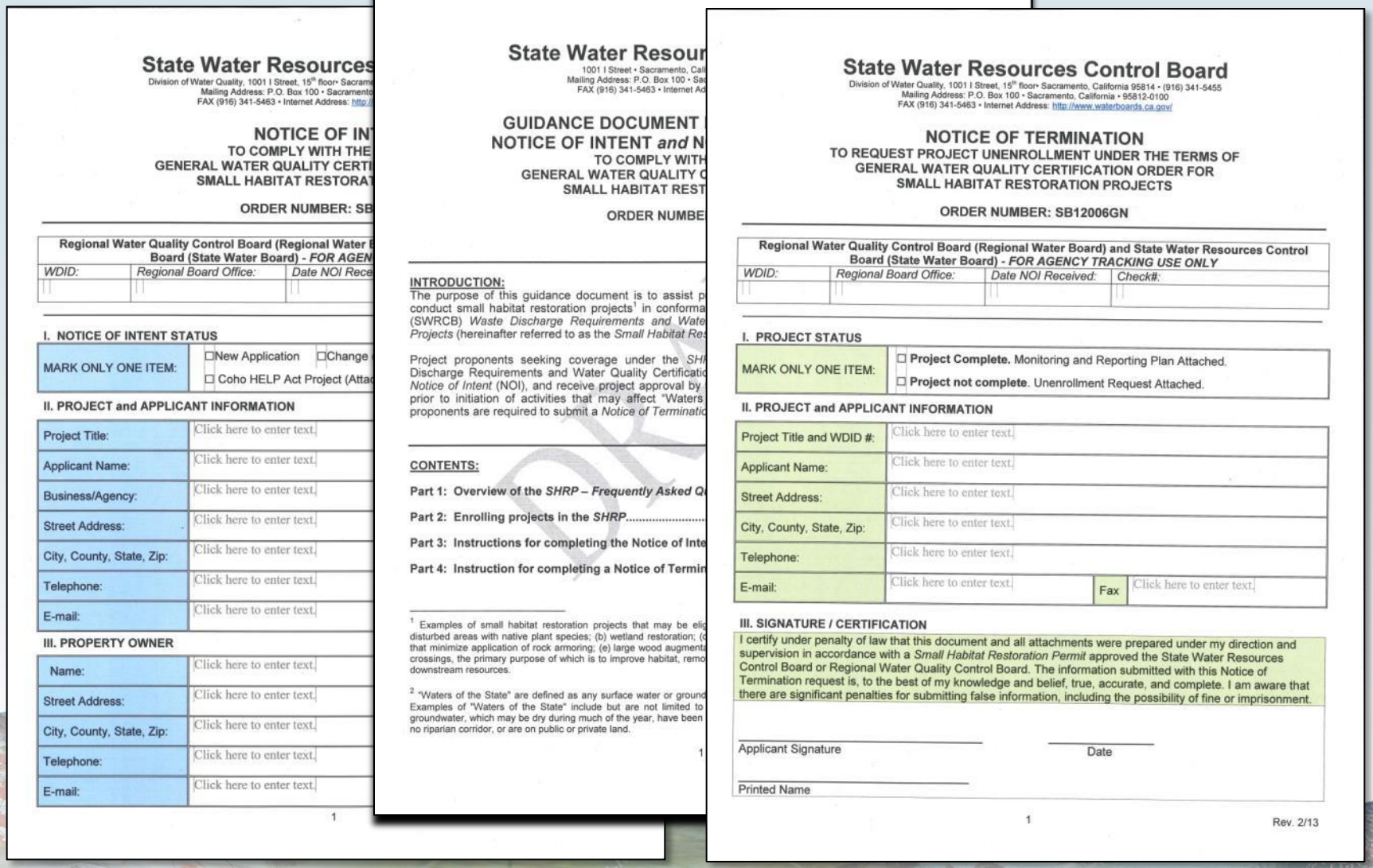
Provided recommendations to the Director of CDFW towards improving 1600 permitting:

I. Reduce fees for restoration

II. Expand the scale of allowable projects under a single permit

III. Develop new permitting mechanism for restoration

Improving Permitting



State Water Resources

NOTICE OF IN
TO COMPLY WITH THE
GENERAL WATER QUALITY CERTI
SMALL HABITAT RESTORAT

ORDER NUMBER: SB

Regional Water Quality Control Board (Regional Water
Board (State Water Board) - *FOR AGEN*

WDID:	Regional Board Office:	Date NOI Rece

I. NOTICE OF INTENT STATUS

MARK ONLY ONE ITEM:	☐New Application ☐Change ☐ Coho HELP Act Project (Attac

II. PROJECT and APPLICANT INFORMATION

Project Title:	Click here to enter text.
Applicant Name:	Click here to enter text.
Business/Agency:	Click here to enter text.
Street Address:	Click here to enter text.
City, County, State, Zip:	Click here to enter text.
Telephone:	Click here to enter text.
E-mail:	Click here to enter text.

III. PROPERTY OWNER

Name:	Click here to enter text.
Street Address:	Click here to enter text.
City, County, State, Zip:	Click here to enter text.
Telephone:	Click here to enter text.
E-mail:	Click here to enter text.

1

State Water Resour
1001 I Street • Sacramento, Cali
Mailing Address: P.O. Box 100 • Sa
FAX (916) 341-5463 • Internet Ad

GUIDANCE DOCUMENT
NOTICE OF INTENT *and* N
TO COMPLY WITH
GENERAL WATER QUALITY C
SMALL HABITAT REST

ORDER NUMBE

INTRODUCTION:
The purpose of this guidance document is to assist p
conduct small habitat restoration projects[1] in conforma
(SWRCB) *Waste Discharge Requirements and Wate*
Projects (hereinafter referred to as the *Small Habitat Res*

Project proponents seeking coverage under the *SH*
Discharge Requirements and Water Quality Certificatio
Notice of Intent (NOI), and receive project approval by
prior to initiation of activities that may affect "Waters
proponents are required to submit a *Notice of Terminatio*

CONTENTS:

Part 1: Overview of the *SHRP – Frequently Asked Q*

Part 2: Enrolling projects in the *SHRP*.....

Part 3: Instructions for completing the Notice of Inte

Part 4: Instruction for completing a Notice of Termin

[1] Examples of small habitat restoration projects that may be eli
disturbed areas with native plant species; (b) wetland restoration; (
that minimize application of rock armoring; (e) large wood augment
crossings, the primary purpose of which is to improve habitat, remo
downstream resources.

[2] "Waters of the State" are defined as any surface water or ground
Examples of "Waters of the State" include but are not limited to
groundwater, which may be dry during much of the year, have been
no riparian corridor, or are on public or private land.

1

State Water Resources Control Board
Division of Water Quality, 1001 I Street, 15th floor• Sacramento, California 95814 • (916) 341-5455
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
FAX (916) 341-5463 • Internet Address: http://www.waterboards.ca.gov/

NOTICE OF TERMINATION
TO REQUEST PROJECT UNENROLLMENT UNDER THE TERMS OF
GENERAL WATER QUALITY CERTIFICATION ORDER FOR
SMALL HABITAT RESTORATION PROJECTS

ORDER NUMBER: SB12006GN

Regional Water Quality Control Board (Regional Water Board) and State Water Resources Control Board (State Water Board) - *FOR AGENCY TRACKING USE ONLY*

WDID:	Regional Board Office:	Date NOI Received:	Check#:

I. PROJECT STATUS

MARK ONLY ONE ITEM:	☐ **Project Complete.** Monitoring and Reporting Plan Attached. ☐ **Project not complete**. Unenrollment Request Attached.

II. PROJECT and APPLICANT INFORMATION

Project Title and WDID #:	Click here to enter text.		
Applicant Name:	Click here to enter text.		
Street Address:	Click here to enter text.		
City, County, State, Zip:	Click here to enter text.		
Telephone:	Click here to enter text.		
E-mail:	Click here to enter text.	Fax	Click here to enter text.

III. SIGNATURE / CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a *Small Habitat Restoration Permit* approved the State Water Resources Control Board or Regional Water Quality Control Board. The information submitted with this Notice of Termination request is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

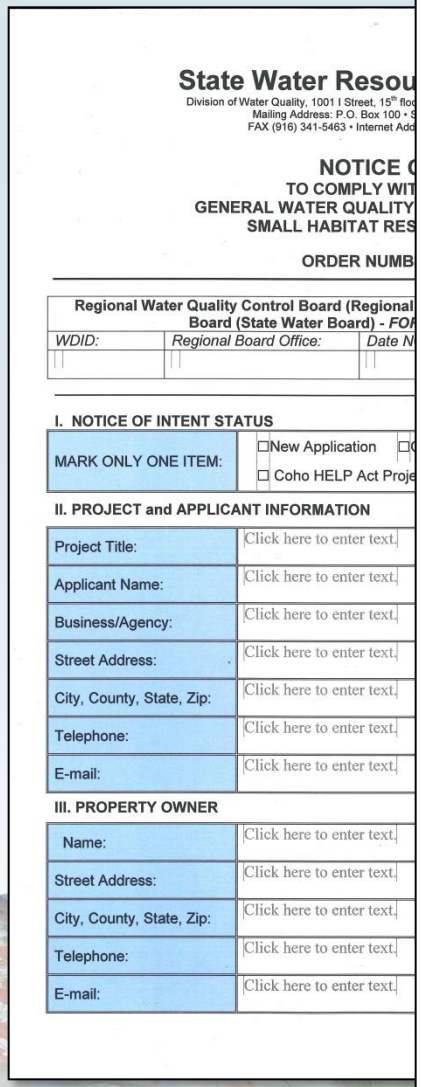
Applicant Signature _____ Date _____

Printed Name _____

1

Rev. 2/13

Consolidate Permitting



State Water Resou
Division of Water Quality, 1001 I Street, 15th flo
Mailing Address: P.O. Box 100 • S
FAX (916) 341-5463 • Internet Add

NOTICE
TO COMPLY WIT
GENERAL WATER QUALITY
SMALL HABITAT RES

ORDER NUMB

Regional Water Quality Control Board (Regional Board (State Water Board) - FOR		
WDID:	Regional Board Office:	Date N

I. NOTICE OF INTENT STATUS

MARK ONLY ONE ITEM:	☐New Application ☐ Coho HELP Act Proje

II. PROJECT and APPLICANT INFORMATION

Project Title:	Click here to enter text.
Applicant Name:	Click here to enter text.
Business/Agency:	Click here to enter text.
Street Address:	Click here to enter text.
City, County, State, Zip:	Click here to enter text.
Telephone:	Click here to enter text.
E-mail:	Click here to enter text.

III. PROPERTY OWNER

Name:	Click here to enter text.
Street Address:	Click here to enter text.
City, County, State, Zip:	Click here to enter text.
Telephone:	Click here to enter text.
E-mail:	Click here to enter text.

Consolidated Permit Application for Large Woody Material Augmentation Projects

INTRODUCTION:
This *Consolidated Permit Application for Large Woody Material Augmentation Projects* (*Consolidated Permit Application*) was developed by the Wood for Salmon Working Group (WFSWG) - a partnership of state and federal agency staff, environmental non-profits, private landowners, and consultants – to simplify and consolidate the information required to obtain state and federal permits to conduct large wood augmentation projects within watersheds containing the Central California Coast (CCC) Evolutionarily Significant Unit (ESU) of coho salmon[1].

The *Consolidated Permit Application* is designed to be used in tandem with a guidance document titled *Permitting Large Wood Augmentation Projects in the Evolutionarily Significant Unit of Central California Coast Coho Salmon*. The guidance document details the state and federal permitting process and provides instructions for completing this *Consolidated Permit Application*. The guidance document, consolidated permit application, a project size calculator, can be found on the world-wide-web at http://conserveonline.org/workspaces/woodforsalmon.

PERMITS INCLUDED:
This *Consolidated Permit Application* combines the following state permit applications as well as state and federal incidental take authorization requirements:

1. National Marine Fisheries Service (NMFS)
   - Incidental Take Authorization for projects deemed consistent with Biological Opinion (BO) #151422SWR2006R00190:JMA;
2. California Department of Fish and Game (CDFG)
   - Lake and Streambed Alteration Agreement (1600 Permit);
   - Consistency Determination with NOAA BO;
3. State Water Resources Control Board (SWRCB)
   - General 401 Water Quality Certification Order for Small Habitat Restoration Projects.

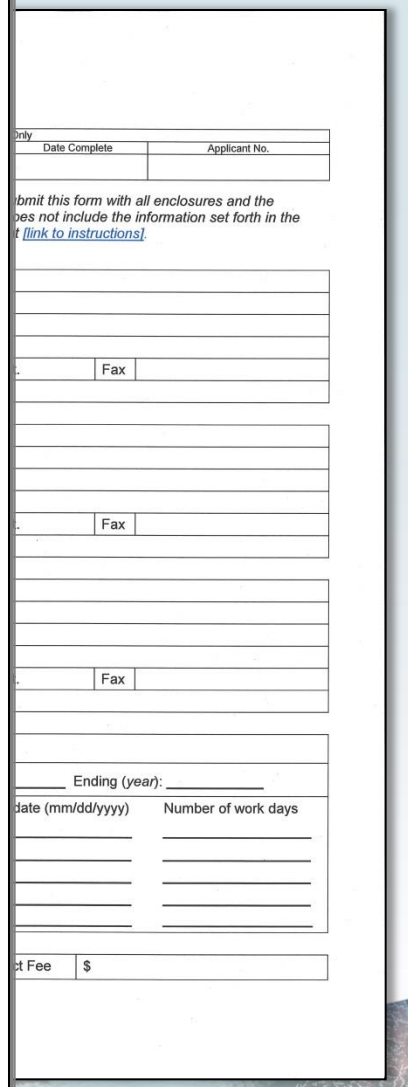
The *Consolidated Permit Application* does not include the application requirements associated with the U.S. Army Corps of Engineers Clean Water Act Section 404 permits[2]. The following federal permit must be obtained separately;

- U.S. Army Corps of Engineers (U.S. ACOE)
  - Nationwide 27 Permit – Aquatic Habitat Restoration, Establishment, and Enhancement Activities;
  - Nationwide 33 Permit – Temporary Construction, Access, and Dewatering.

CALIFORNIA ENVIRONMENTAL QUALITY ACT:
This *Consolidated Permit Application* is intended solely for use with large wood augmentation projects that have been designed to be consistent with the existing California Environmental Quality Act (CEQA) categorical exemption (CatEx) for Small Habitat Restoration Projects (California Code of Regulations, Title 14, Section15333)[3].

[1] The CCC ESU of coho salmon extends from Punta Gorda in southern Humboldt County down to Soquel Creek in Santa Cruz County, California.
[2] Project proponents are encouraged to attach this *Consolidated Permit Application* when applying to the U.S. ACOE for Clean Water Act Section 404 permits.
[3] The Categorical Exemption for Small Habitat Restoration Projects can be found on the world wide web at the following address http://ceres.ca.gov/ceqa/guidelines/15300-15333_web.pdf

DRAFT



Only
Date Complete | Applicant No.

bmit this form with all enclosures and the
oes not include the information set forth in the
t [link to instructions].

Fax
Fax
Fax

Ending (year):
date (mm/dd/yyyy) | Number of work days

ct Fee | $

Support New Restoration Pathways

Mendocino County
Permit Coordination Program

CDFW
Coho HELP Act

CAL FIRE
ASP - Section V

MENDOCINO COUNTY
RESOURCE CONSERVATION DISTRICT

MENDOCINO COUNTY RESOURCE CONSERVATION

MITIGATED NEGATIVE DECLARATION/ INITIAL STUDY

FOR

MENDOCINO COUNTY PERMIT COORDINATION PR

May 4, 2012

Prepared for:

Mendocino County Resource Conservation District
206 Mason Street, Suite F
Ukiah, CA 95482
(707) 462-3664

Prepared by:

Prunuske Chatham, Inc.
400 Morris Street, Suite G
Sebastopol, CA 95472
(707) 824-4600

This Report Has Been Prepared Pursuant to the California Environmental Quality Act of 1970

State of California – Department of Fish and Wildlife
COHO HELP ACT PROJECT REQUEST
DFW 739 (New 1/13) Page 1

For Department Use Only				
Date Received	Amount Received	Amount Due	Date Complete	Applicant No.

Complete EACH field following the instructions provided and submit this form with all enclosures and the
required fee. The Department will return any application that does not include the information set forth i
instructions or the required fee. The instructions are available at [link to instructions].

1. Applicant Proposing Project

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

2. Contact Person *(Complete only if different from applicant)*

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

3. Property Owner *(Complete only if different from applicant)*

Name			
Business/Agency/Organization			
Street Address			
City, State, Zip			
Telephone	Ext.	Fax	
Email			

4. Project Name and Term

a. Project Name:

b. Term *(must be 5 years or less)*: Beginning *(year)*: _____ Ending *(year)*: _____

c. Seasonal Work Period	Start date (mm/dd/yyyy)	End date (mm/dd/yyyy)	Number of work d
Year 1			
Year 2			
Year 3			
Year 4			
Year 5			

5. Fees

Project Cost	$	Project Fee	$

Site-Specific Riparian Zone Management:

Section V Guidance

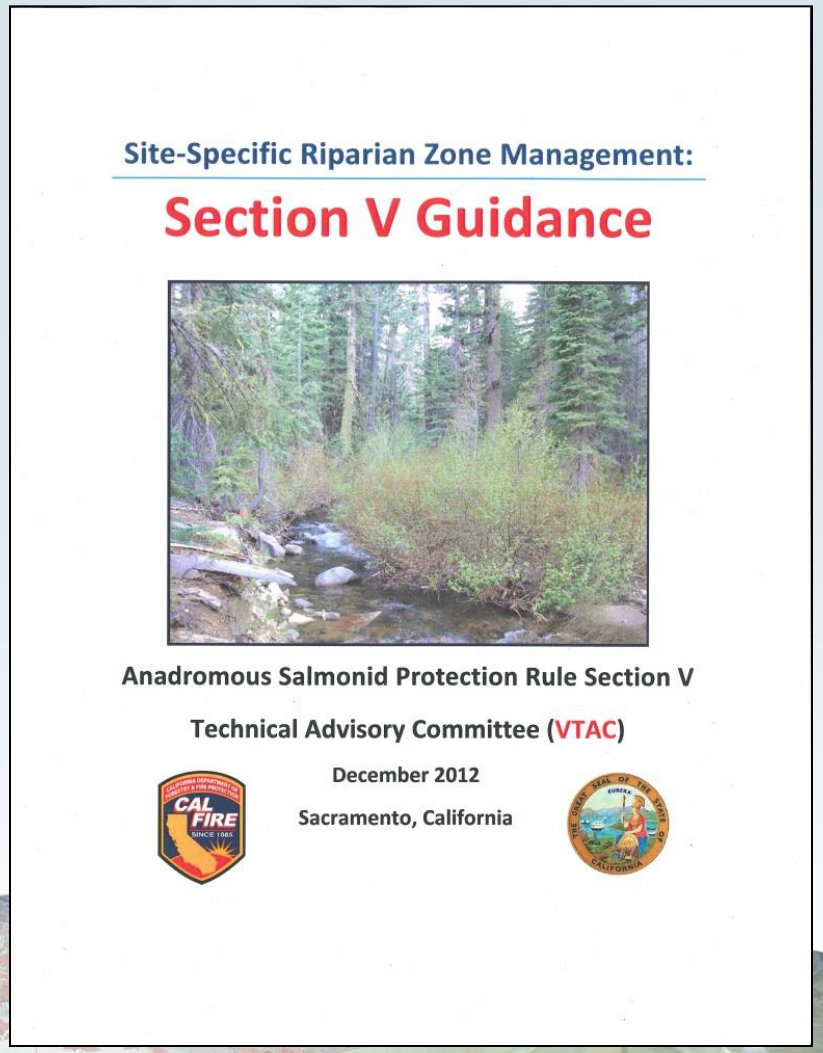
Anadromous Salmonid Protection Rule Section V

Technical Advisory Committee (VTAC)

December 2012

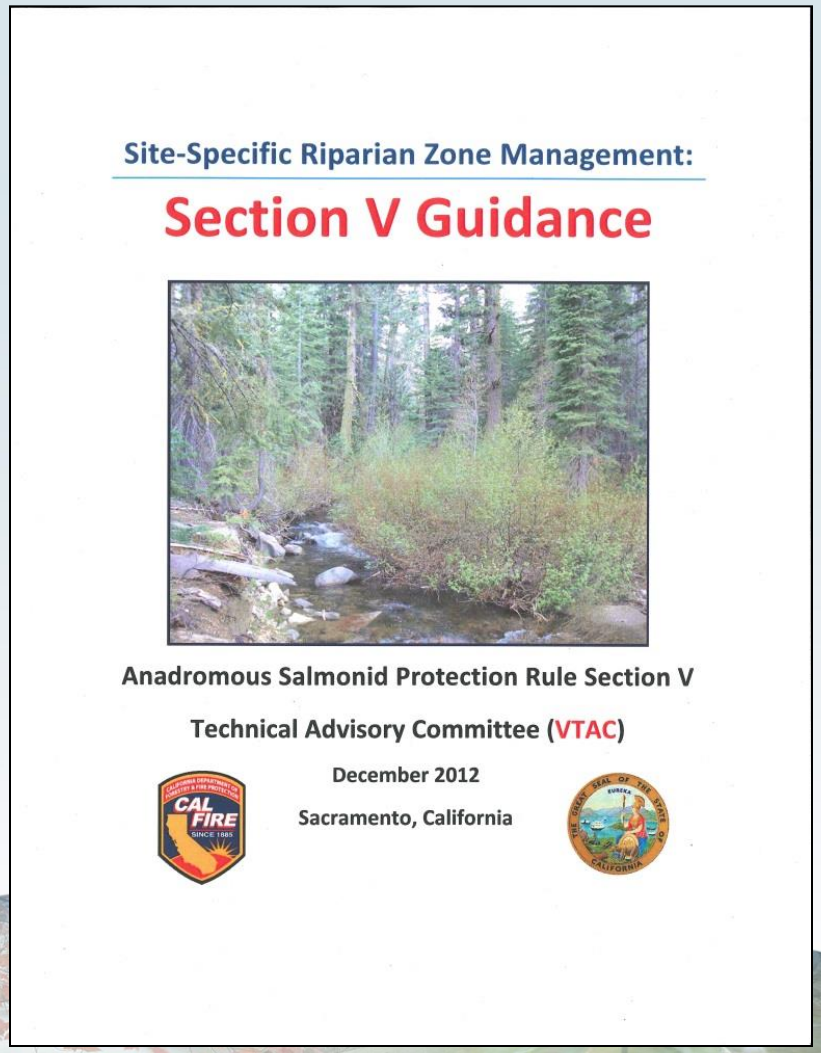
Sacramento, California

Support New Restoration Pathways

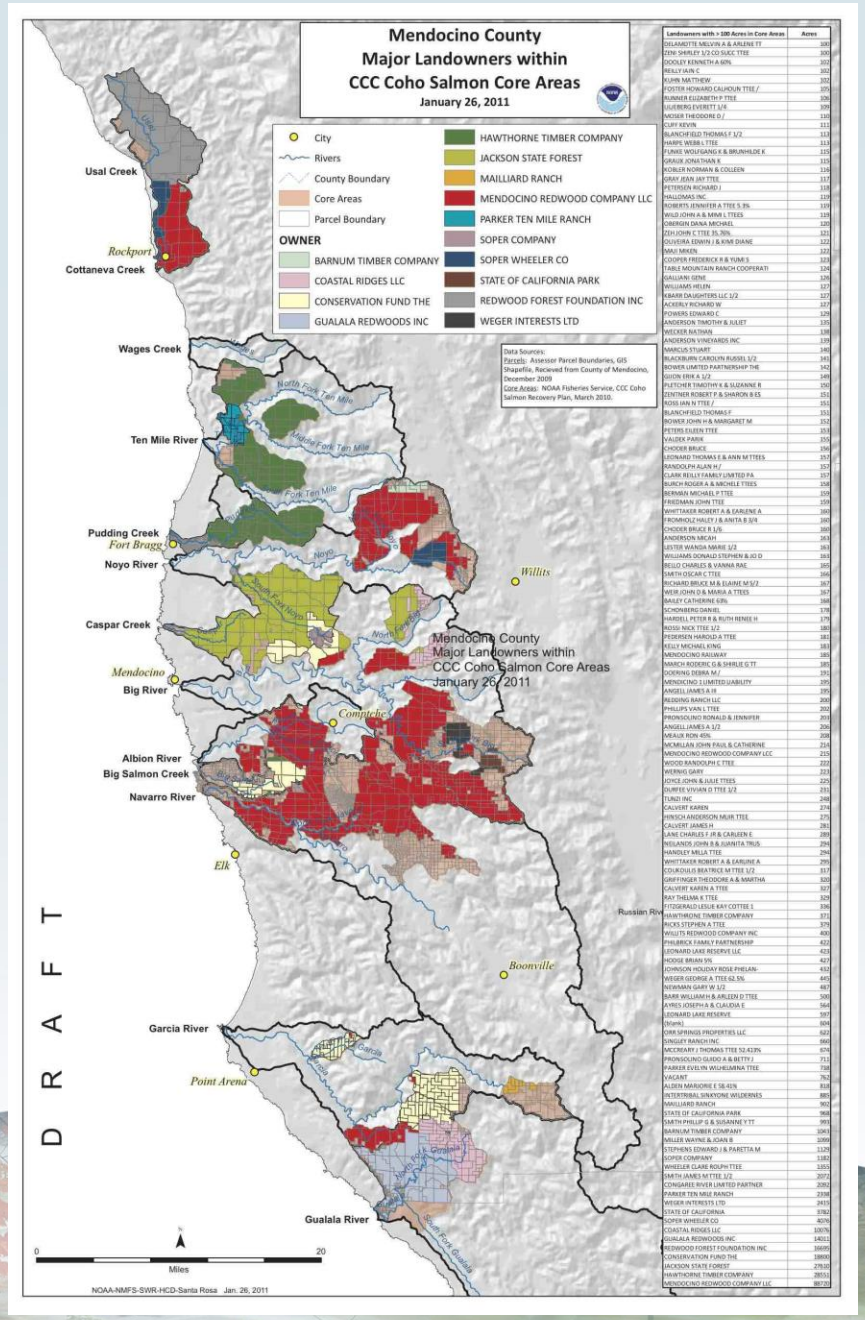


- Mill Smith THP
- Campbell Global
- Ten Mile River
- First LWM permitted through a THP
- Underway Today!

Restoration Opportunity in Coastal Anadromy Zone



- Incorporate LWM assessments into harvest planning process.
- Section 916.4 (a)(2) requires examination of Class I habitat and **restoration opportunities**.
- Utilize recovery plan targets.
- Fund LWM restoration through Timber Reform Tax.
- Addendum 2 revision?



Big Holdings = Big Opportunities

In Mendocino County, the 7 largest timberland owners manage 73% of the properties in Mendocino County's CCC ESU Coho Core Areas.

Conclusions

- Coastal anadromy zone is deficient in wood and salmonids are in jeopardy.
- Reintroduction of wood is a critical near-term recovery action.
- New LWM introduction techniques are proving successful and cost-effective.
- THP planning process provides a significant restoration opportunity.
- Wood for Salmon Working Group is helping improve the process.

Robin Loznak Photography

Thank you

Robin Loznak Photography

Jonathan Warmerdam, NCRWQCB
Telephone: (707) 576-2468
Jonathan.Warmerdam@waterboards.ca.gov