The Wood for Salmon Working Group





Jonathan W. Warmerdam

North Coast Regional Water Quality Control Board

August 27, 2014

Presentation Topics

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

Part I: Eras of Instream Wood

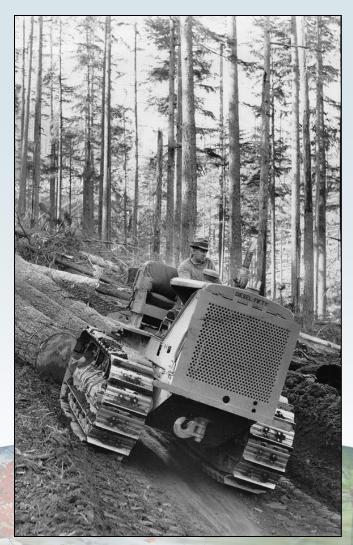
Phase 1: 1,000,000+ Years of Natural Recruitment



<u>Phase 2:</u> Early Logging (1850s – 1920s):

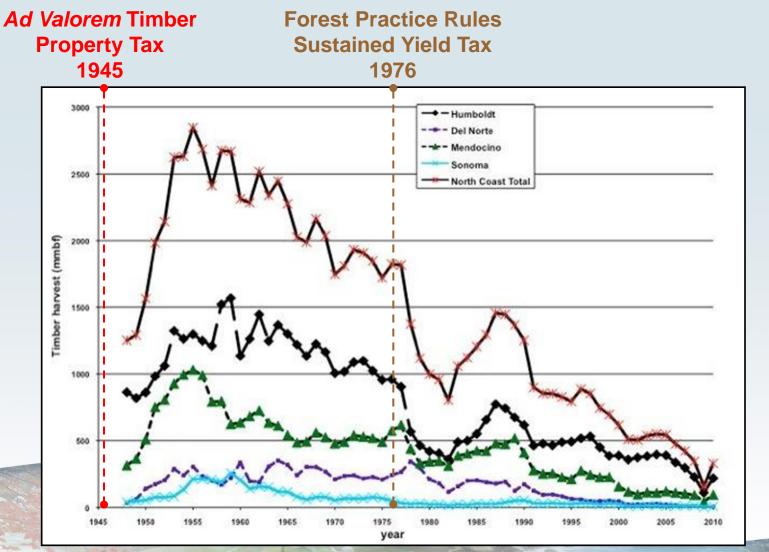


<u>Phase 3:</u> Post WW-II Logging (1945 – 1970s)





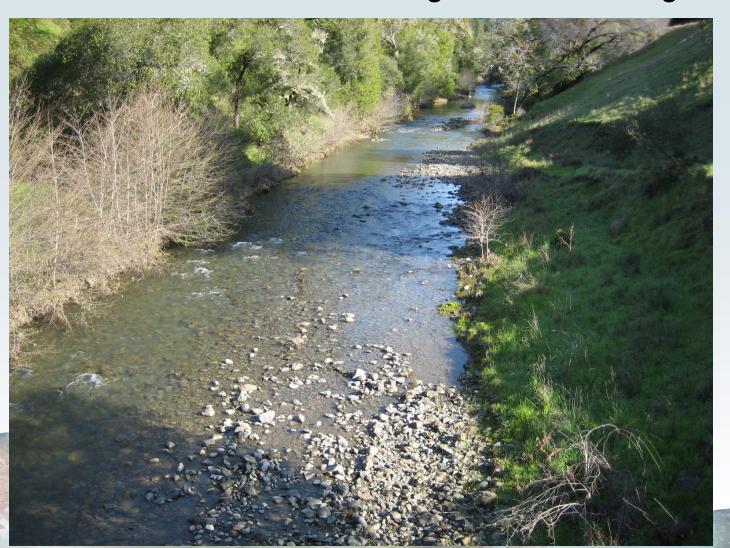
Phase 3: Post WW-II Logging (1945 - 2010)



Phase 4: Stream Clearing (1970-80s) STREAM OBSTRUCTION **REMOVAL GUIDELINES**

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

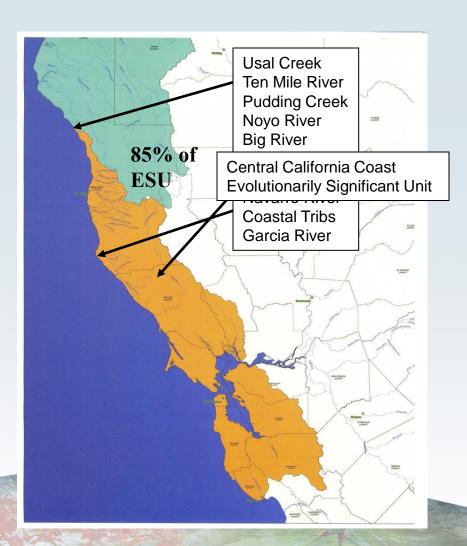
NGOs, Non-Profits, Consultants, Stakeholders

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

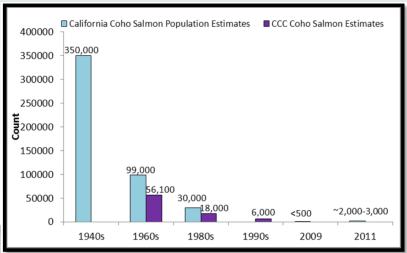
Mission Statement

 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



RESOURCES AGENCY

DEPARTMENT OF FISH AND GAME

Recovery Strategy for California Coho Salmon

Report to the California Fish and Game Commission

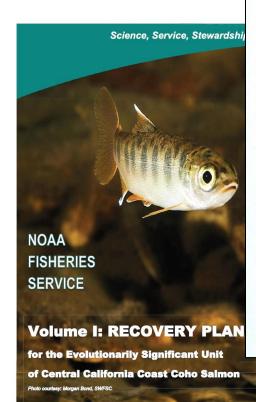
DEDADED BY

The California Department of Fish and Game



Species Recovery Strategy 2004-1

FEBRUARY 2004



RECOVERY PLAN

NORTH CENTRAL CALIFORNIA COAST RECOVERY DOMAIN

CALIFORNIA COASTAL CHINOOK SALMON

NORTHERN CALIFORNIA STEELHEAD

CENTRAL CALIFORNIA COAST STEELHEAD



Photo Courtesy of Cathy Myers, Dos Rios, Eel River California Coastal Chinook Salmon

CO-MANAGER REVIEW DRAFT

Version: May 19, 2014

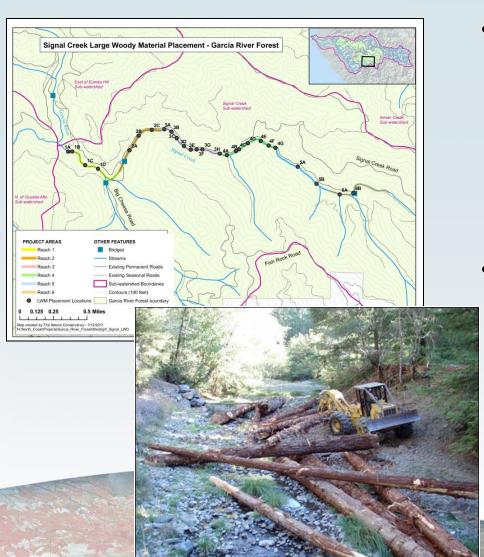
National Marine Fisheries Service

West Coast Region

Santa Rosa, California



New Effective LWM Techniques



Accelerated Recruitment

- Streamside or Upslope Wood
- Directional falling
- Wood wedging or Unanchored
- Cost Effective

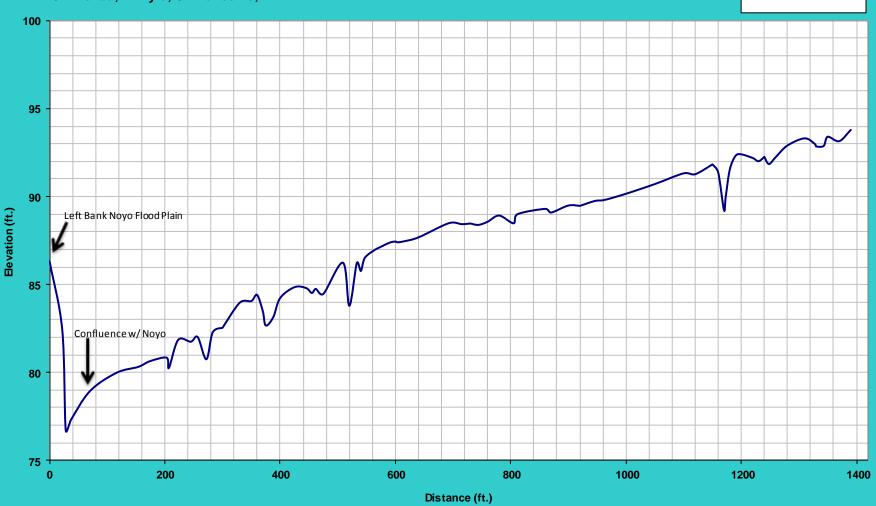
Practitioners:

- 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)

- 2010Channel

Kass Creek Longitudinal Profile - 11/2/2010 to 7/18/12 J. Hvozda, D. Kyle, C. Blencowe,



Longitudinal Profile of Lower 1400' Project Reach in Kass Creek (Noyo River) (2010-2012) (FRGP, NOAA/TU, SRA) - 2010Channel 2010 LWD Kass Creek Longitudinal Profile - 11/2/2010 to 7/18/12 J. Hvozda, D. Kyle, C. Blencowe, 2011 Channel 100 95 90 Elevation (ft.) Left Bank Noyo Flood Plain 85 Confluence w/ Noyo 80 75

600

800

Distance (ft.)

1000

1200

1400

200

400

Longitudinal Profile of Lower 1400' Project Reach in Kass Creek (Noyo River) (2010-2012) (FRGP, NOAA/TU, SRA) 2010Channel Benchmarks 2010 LWD Kass Creek Longitudinal Profile - 11/2/2010 to 7/18/12 2011 Channel 2012 LWD J. Hvozda, D. Kyle, C. Blencowe, 2012Channel 100 97.63 95.95 95.72 95 95.14 **4.57** 94.01 92.49 4 92.29 90 Elevation (ft.) Left Bank Novo Flood Plain 85 Confluence w/ Noyo 80 75 200 400 600 800 1000 1200 1400 Distance (ft.)

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:

- 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

Permitting Large Wood Augmentation Projects in the Evolutionarily Significant Unit of Central California Coast Coho Salmon: A Guidance Document

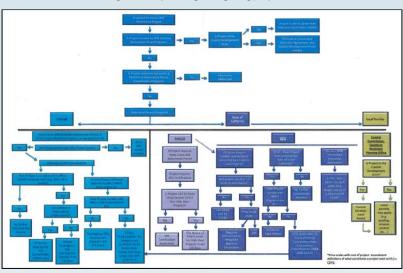


Prepared by the

Wood for Salmon Working Group

December 2011

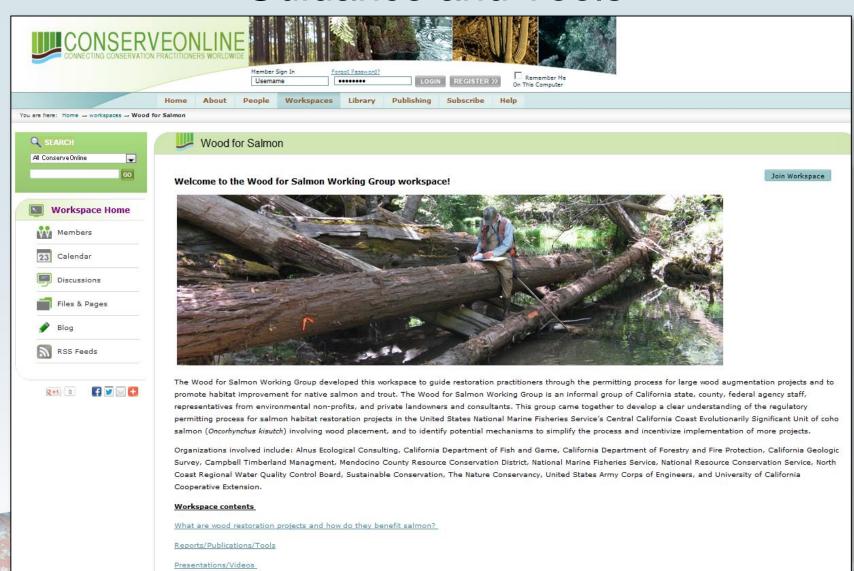
Permit Flowchart



Permitting Matrix

DRAFT PERMITTING MA	ATRIX FOR RESTORATION PROJE	CTS - WOOD FO	R SALMON WOR	KING GROUP (5/08/14)					
RESTORATION PATHWAY INDIVIDUAL PERMITTING	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEDA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
INDIVIDUAL PERMITTING	U.S. ACCG - 404 Permit	Yes	50	,	c500 linear ft. per Nationwide 13	Cat Ex 15333, or other CEQA	All Restoration Projects	Restoration projects using	See Guidance Document on Wood
	SWRCR - Small Habitat General Cert	Either/Or	5345 pc	Tes.	sSacres or 500 linear feet (both)	Analysis		the individual permitting pathway can be conducted	for Salmon Working Group Website for additional information. https://www.conservationgateway
	SWRCR - Standard 401 Permit		\$1,201 flat fee	Yes	No size Smitation				
	NOAA - Section 7 (formal or informal)		S0	Tes	No size limitation			throughout California - no	
	NOAA - Programmatic Consultation	Either/Or	50	ries .	200' and 1 200' between projects			soatial limitation.	
	U.S. PWS - Section 7 (formal or informal)	Either/Or	50	7	2				.ore/Conservation@vGeography/N
	U.S. PWS Programmatic Consultation	No.	\$0	,	7				orthAmerica/UnitedStates/califon
	CDFW-LSAA		\$345.50 min.	Sometimes	Depends on CEQA approach.				ia/salmon/woodfonalmon/Pages
	CDFW - Director Approval		N/A	N/A	N/A				default.aspx
	CDFW - Consistency Determination		90	N/A	N/A				
	CAL FIRE - Timber Harvesting Plan	No	N/A	N/A	N/A				
RESTORATION PATHWAY COPW - FISHERIES RESTORATION GRANT PROGRAM	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEDA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
CDFW - FISHERIES RESTORATION	U.S. ACOS - 404 Permit	No	N/A	7	"1 project/year/50 sq. mile HUC 10 watershed	Mitigated Negative	All Restoration Projects	FRGP projects are limited to	FRGP:
GRANT RECIGRAM	SWRCR - Small Habitat General 401 Cert	No.	N/A	N/A	N/A	Declaration: State		watersheds that contain	https://www.dfe.ca.egy/fish/Adm
	SWRCR - Standard 401 Permit	No	N/A	Yes, Start of Ops to SW9 & RB	N/A	Clearinghouse No.		Pacific anadromous	nistration/Grants/FRGP/
	NOAA - Section 7 (formal or informal)	No.	Sn .	N/A	N/A	2012122042		salmonids and their habitat.	
	NOAA - Programmatic Consultation	No	dn .	N/A	N/A	1	I		1
	U.S. PWS - Section 7 (formal or informal)	No	50	7	2	1	I	l	1
	U.S. PWS Programmatic Consultation	No	dn .	b	b	1	I	l	1
	CDFW-LSAA	Yes	\$265.50 min.	Complemen	N/A	1			
	CDFW - Director Asseroval	No.	N/A	N/A	N/A	1			
	CDFW - Consistency Determination	-	N/A	N/A	N/A	4			
	FAI DRE - Timber Na neutring Plan	No.	N/A	N/A	N/A	1			
OCCTOON THOM ON THEMS	PERMITS/AUTHORIZATIONS	REQUIRED?	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEDA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
RESTORATION PATHWAY COPW - COHO HELP ACT	U.S. ACOE - 404 Permit	Na Ligaritation	50	1	-S00 linear ft. per Nationwide 13	Cat Ex 15333, or other CEQA	Streambank stabiliation.	Coho HELP Act projects are	Coho HELP Act:
LUIW - COND HED ACT	OMBCS - Small Habited General ADI Cart	***	5345		sSacres or 500 linear feet (both)	Analysis	barrier removal, or large		https://www.dfg.ca.gov/fish/Resc
	WHILE - SMAIL REDITE GENERA 401 CERT	165	N/A	N/A	to acres or soprinear neet (boots)	Anayes	wood aurmentation.	within the current or	urces/Coho/HELP/
	NOAA - Section 7 (formal or informal)	No	N/A	Yes Yes	No size limitation	4	wood augmentation.	historic range of coho	urcel/consynatry
	NOAA - Section / (formal or informal) NOAA - Programmatic Consultation	Either/Or	50	res res	No soe sinitation 300' and 1,200' between projects	-		tuistanc range or cons salmon.	
	ILS DWS - Section 7 (formal or informal)		50	res	AUU and 1,200 between projects				
		Ekther/Or	50		/				
	U.S. PWS Programmatic Consultation CDFW - LSAA		N/A	N/A	N/A				
		No		N/A		4			
	CDFW - Director Approval	Tes	\$26.50 min.	fes	sSacres or 500 linear feet	1			
	CDFW - Consistency Determination CBI DDC - Timber National Time	No	N/A	N/A	N/A	4			
		No							
PESTORATION PATHWAY FOREST PRACTICE RULES - 916-9 SECTION V	PERMITS/AUTHORIZATIONS	9EQU99EQ2	FEES	MONITORING/REPORTING	PROJECT SIZE LIMITS	CEDA COVERAGE	PROJECTTYPES	SPATIAL USE	ADDITIONAL INFORMATION
FOREST PRACTICE RULES - 916.9	U.S. ACOE - 404 Permit	Yes	50	7	-SSO linear ft. per Nationwide 13	Forest Practice Act and	Riparian management	FPR Section V projects can	FPRs- Section V:
SECTION V	SWRCR - Small Habitat General 401 Cert	No	N/A	N/A		Forest Practice Rules	proposals to benefit listed	be conducted within	http://www.bof.fire.ca.gov/board
	SWRCB - Timber General WDR Permit	Yes	90	Yes	No size limitation	provides a CEQA equivalent		watersheds with state and	_committees/vtac/vtac_guidance_
	NOAA - Section 7 (formal or informal)	Either/Or	\$0	Yes	No size limitation	process.	(e.g., large wood input;	federally listed anadromous	document_/vtac_guidancedocume
	NOAA - Programmatic Consultation	and the same of th	50	Yes	300' and 1,200' between projects	1	sediment reduction;	salmonids, and those that	nt_dec21-2012_final.pdf
	U.S. PWS - Section 7 (formal or informal)	Sither/Or	50	7	7	1	alteration of WLP2 species	are restorable (excludes	1
	U.S. PWS Programmatic Consultation		50	7	7	ı	to improve nutrient	area covered by HCP).	1
	CDFW-LSAA	Yes	\$36,50 min.	Sometimes	2]	input/primary productivity;	l	1
	CDFW - Director Approval	No	N/A	N/A	N/A	1	WLPZ thinning to improve	l	1
	CDFW-Consistency Determination	Yes	8	N/A	N/A	ı	tree growth, reduce	l	1
	CAL FIRE - Timber Harvesting Plan	Yes	9	Yes - FPR 995-9(v)(3)(A)(7)	No		catastrophic wildfine		
RESTORATION PATHWAY	PERMITS/ALTHORIZATIONS	REQUIRED?	EEES	MONITORING/REPORTING	PROJECT SZE LIMTS	CEDA COVERAGE	PROJECT TYPES	SPATIAL USE	ADDITIONAL INFORMATION
VENDOCINO COUNTY PERMIT	U.S. ACOE - 404 Permit	Yes	8	2	2	Migitated Negative	Access Roads	Wytershed throughout	MCRCD: http://mcrcd.org/
COORDINATION PROGRAM	SWRCB - Small Hubitat General 401 Cert	No	N/A	N/A	N/A	Declaration; State	2. Critical Area Planting	Mendacina County	1
	SWRCB - Standard 401 Permit	fes	\$145	ries	Yes - Per Mitigated Neg Dec	Clearinghouse No.		excluding projects located	1
	NOAA - Section 7 (formal or informal)	Either/Or	\$0	N/A	N/A	2012052019	4 Grade Stabilization	within the coastal zone.	1
	NOAA - Programmatic Consultation) siener/cir	\$0	N/A	N/A		S. Road/Trait/Landing Treats	Treatm	1
	U.S. PWS - Section 7 (formal or informal)		50	,	2		6. Streambank Protection		1
	U.S. PWS Programmatic Consultation	Either/Or	50	7	,	1	7. Stream Channel Bank Vee	1	1
	CDFW-LSAA	Yes	\$265.50 min.	7	2	1	8 Structure for Water Contro	1	1
							9: Stream Crossing Upgrade		
	CDFW - Director Approval CDFW - Consistency Determination	No	N/A S0	N/A	N/A		 Stream Crossing Upgrade Restoration of Degraded 	+	

Guidance and Tools



For more information, please contact Lisa Hulette or Jennifer Carah, The Nature Conservancy (Ihulette@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).

References

Improving Permitting

			nent Use Only			
Date Received	Amount Received	Amount Du	e Date	Complete	Applicant No.	
Complete EACH field equired fee. The De nstructions or the req 1. Applicant Propos	partment will return a uired fee. The instru	any application	that does not in	nclude the in	formation set forth in the	
Name						
Business/Agency/Or	ganization					
Street Address						
City, State, Zip						
Telephone			Ext.	Fax		
Email						
2. Contact Person (Complete only if diffi	erent from and	licant)			
Name	, and and	z. z.n. n. om upp				
Business/Agency/Or	ganization		-			
Street Address						
City, State, Zip						
Telephone			Ext.	Fax		
Email						
3. Property Owner (Complete only if diff	erent from and	olicant)			
Name		предоставления предос				
Business/Agency/Or	ganization				1	
Street Address						
City, State, Zip						
Telephone			Ext.	Fax		
Email						
4. Project Name and	d Term					
a. Project Name:						
b. Term (must be 5 y	rears or less): Beg	inning (year):		Ending (yea	ar):	
c. Seasonal Work Pe	,	nm/dd/yyyy)	End date (mn	n/dd/yyyy)	Number of work days	
	ear 1					
	ear 2					
Y	ear 3					
Y	ear 4					
Y	ear 5					
5. Fees						

State of California - Department of Fish and Wildlife

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

- 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

Division of Water Quality, 1001 | Street, 15th floor* Sacram Mailing Address: P.O. Box 100 * Sacramente FAX (916) 341-5463 * Internet Address: http://

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

ORDER NUMBER: SB

WDID:	Regional	Board Office:	Date NOI Red			
			11			
I. NOTICE	OF INTENT ST	ATUS				
MARK ONL	Y ONE ITEM:	□ New Application □ Change				
II. PROJEC	T and APPLIC	ANT INFORMAT	ION			
Project Title		Click here to enter text.				
Applicant Na	ame:	Click here to enter text.				
Business/Ag	gency:	Click here to enter text.				
Street Addre	ess: -	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. PROPER	RTY OWNER					
Name:		Click here to enter text.				
Street Addre	ess:	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.				

State Water Resour

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

GUIDANCE DOCUMENT NOTICE OF INTENT and N TO COMPLY WITH GENERAL WATER QUALITY OF

SMALL HABITAT REST ORDER NUMBE

INTRODUCTION:

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

Project proponents seeking coverage under the SHI Discharge Requirements and Water Quality Certification 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 Terminatic

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

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.waterboardic.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

WDID: Regional		Board Office:	Date NOI Receive	d: Check	#:			
				11/1				
I. PROJECT	STATUS							
MARK ONLY ONE ITEM:		Project Complete. Monitoring and Reporting Plan Attached.						
		□ Project not complete. Unenrollment Request Attached.						
II. PROJECT	and APPLIC	ANT INFORMATI	ON					
Project Title a	and WDID #:	Click here to enter text.						
Applicant Na	me:	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 en	ter text.	Fax Cli	ck here to enter text.			
III. SIGNATII	RE / CERTIFI	CATION						
I certify under supervision in Control Board Termination re	penalty of lav accordance v for Regional V equest is, to the	v that this docume with a <i>Small Habit</i> Vater Quality Con he best of my known	at Restoration Permit strol Board. The inform wledge and belief, true	approved the accurate	ared under my direction and e State Water Resources tted with this Notice of and complete. I am aware the esibility of fine or imprisonmen			
		•			y comprisonmen			
Applicant Sign	nature			Date				

Ŕ

¹ Examples of small habitat restoration projects that may be eligidisturbed areas with native plant species; (b) wetland restoration; (c) that minimize application of rock amoring; (e) large wood augment crossings, the primary purpose of which is to improve habitat, remodownstream 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.

Consolidate Permitting

State Water Resor

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

NOTICE TO COMPLY WIT

GENERAL WATER QUALITY SMALL HABITAT RES

Board (State Water Board) - FOR

Regional Water Quality Control Board (Regional

ORDER NUMB

WDID: R	egional Board Oπice: Date N
	11
I. NOTICE OF INTI	ENT STATUS
MARK ONLY ONE	ITEM: □ New Application □ Coho HELP Act Proje
II. PROJECT and A	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 OW	/NER
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 world augmentation projects within watersheds containing the Central California Coast (CCC) Evolutionarily Significant Unit (ESU) of coho salmon1.

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-wideweb 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)
 - o→Incidental Take Authorization for projects deemed consistent with Biological Opinion (BO) #151422SWR2006R00190:JMA;
- 2.→California Department of Fish and Game (CDFG)
 - o→Lake and Streambed Alteration Agreement (1600 Permit);
 - o→Consistency Determination with NOAA BO:
- 3. → State Water Resources Control Board (SWRCB)
 - o→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 permits². 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
 - o→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, Section 15333)3.

Date	Complete	Applicant No.
es not		nclosures and the mation set forth in the
	Fax	
		7
	Fax	
		1.
	Fax	y s
5	Fax	
_	## TE - 100	
	Ending (year)	
late (mi	m/dd/yyyy)	Number of work days
		11)

¹ The CCC <u>ESU</u> of <u>coho</u> salmon extends from Punta <u>Gorda</u> in southern Humboldt County down to Soquel Creek in Santa Cruz County,

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/quidelines/15300-15333_web.pdf

Support New Restoration Pathways

Mendocino County
Permit Coordination Program

CAL FIRE ASP - Section V

CDFW Coho HELP Act



MENDOCINO COUNTY RESOURCE CONSERVATION

MITIGATED NEGATIVE DECLARATION/ INITIAL STUDY

FOR

MENDOCINO COUNTY PERMIT COORDINATION PI

May 4, 2012

Prepared for:

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

			For Departm	nent Use Only		
Date Received	An	mount Received	Amount Due	Date	e Complete	Applicant No.
	Departm required	ent will return a fee. The instruc	ny application	that does not	include the in	II enclosures and the formation set forth
	10					
Business/Agency/	/Organiza	ation				
Street Address						
City, State, Zip						
Telephone				Ext.	Fax	
Email						
2. Contact Perso	n (Comp	lete only if diffe	rent from app	licant)		
Name						
Business/Agency/	/Organiza	ntion				
Street Address						
City, State, Zip						
Telephone				Ext.	Fax	
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3. Property Own	er (Comn	lete only if diffe	rent from arr	licant)		
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Business/Agency/	/Organiza	ition				
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4. Project Name	and Tax					
 Project Name : Project Name : 	and term					
b. Term (must be	5 years o	or less): Begin	nning (year):		_ Ending (yea	ar):
c. Seasonal Work	Period Year 1	Start date (m	m/dd/yyyy)	End date (m	m/dd/yyyy)	Number of work
	Year 2					
	Year 3					
	Year 4					
	Year 5			32		
5. Fees						

State of California - Department of Fish and Wildlife

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

Site-Specific Riparian Zone Management:

Section V Guidance



Anadromous Salmonid Protection Rule Section V
Technical Advisory Committee (VTAC)



December 2012
Sacramento, California



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

Restoration Opportunity in Coastal Anadromy Zone

Site-Specific Riparian Zone Management:

Section V Guidance



Anadromous Salmonid Protection Rule Section V

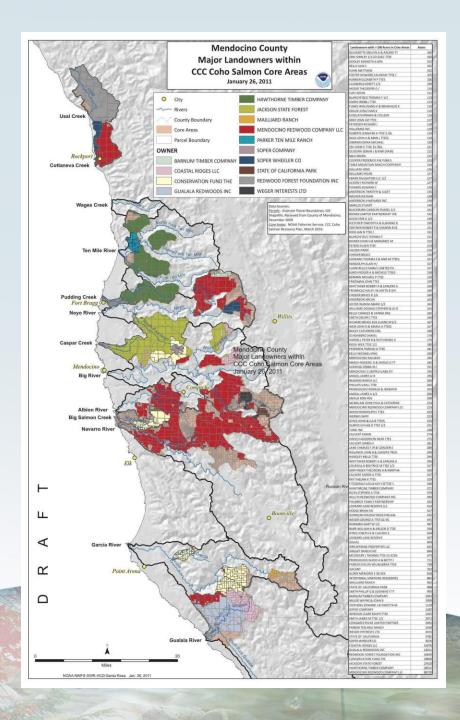
Technical Advisory Committee (VTAC)



December 2012
Sacramento, California



- 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



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