

# Yakima Basin Science & Management Conference 2009

Sponsored by:

Central Washington University, Bonneville Power Administration, Yakima/Klickitat Fisheries Project, Bureau of Reclamation, and Yakima Basin Fish & Wildlife Recovery Board

June 17 - 18, 2009

Central Washington University, Science Building Room 147 & 101

## Wednesday June 17, 2009

Joint Session: Yakima River Basin Overview, Room 147					
8:15	Poster presenters set up posters and registration				
8:30	Welcome to the Yakima Basin Science & Management Conference				
8:45	Dave Fast- YN	Overview of Fisheries Activities in the Yakima Basin			
9:00	Alex Conley- YBFWRB	Overview of Habitat Activities in the Yakima Basin			
9:30	Rob Walton- NOAA Fisheries	KEYNOTE SPEAKER			
10:30	Break				
11:00	Panel on flooding and floodplain development				
11:45	Lunch				
Concurrent Session					
Spring Chinook Salmon, Room 147			Watershed and Wildlife Management, Room 101		
Time	Presenter	Topic	Time	Presenter	Topic
1:00	Andy Dittman NOAA Fisheries	Homing and spawning site selection of hatchery and wild spring Chinook	1:00	Jason Smith WSDOT	I-90 Snoqualmie Pass East Project Overview
1:20	Darran May NOAA Fisheries	Abundance and Distribution of Spring Chinook Salmon Redds in the Yakima River Basin Before and After Supplementation	1:20	Robert Long MSU	Pre-construction wildlife monitoring for Washington's I-90 Snoqualmie Pass East project
1:40	Jeremy Cram UW	Linking physical habitat characteristics to Chinook spawning distribution in the Yakima River	1:40	Kristina Ernest CWU	Pre-construction baseline monitoring of pikas for Washington's I-90 Snoqualmie Pass East project: Habitat and Distribution
2:00	Steve Corbett NOAA Fisheries	Response of a spawning population of spring Chinook salmon to flow alteration in a highly regulated system	2:00	Paul James CWU	Pre-construction baseline monitoring of fish for Washington's I-90 Snoqualmie Pass East Project
2:20	Todd Kassler WDFW	Yakima River Pedigree analysis of spring Chinook	2:20	Steve Wagner CWU	Pre-construction baseline monitoring of amphibians for Washington's I-90 Snoqualmie Pass East project: Distribution, detection and tracking
2:40	Ken Warheit WDFW	Overview of spring Chinook smolt analysis collected at Chandler Trap	2:40	Anthony Novack WDFW	History of elk-agriculture conflicts in the Yakima Basin
3:00	Break		3:00	Break	
3:20	Steve Schroder WDFW	Breeding success of wild and first generation hatchery spring Chinook salmon spawning in an artificial stream	3:20	Stan Sovern USFS	Spotted owl demography in the Yakima Basin

Time	Presenter	Topic	Time	Presenter	Topic
3:40	Curt Knudsen Oncorh Consulting	The paradox of faster growing wild fish maturing at older ages than slower growing hatchery fish	3:40	Kevin White WSU	Prey use by male and female cougars in an elk and mule deer community
4:00	Don Larsen NOAA Fisheries	Physiology and precocialism of hatchery salmon	4:00	David Gerth KCT	Swauk Creek: Water Storage Opportunities and Constraints
4:20	Christopher Johnson WDFW	Precociously mature salmon on the spawning grounds	4:20	Tanya Lamb CWU	Nutrient Limitation in Swauk Creek River Basin
4:40	Brian Beckman NOAA Fisheries	Variation in emergence timing promotes variability in smolting and early male maturation in Yakima River spring Chinook salmon	4:40	Thomas Elliott YN Wildlife	Cottonwood Sex Ratios on the Wapato Reach

**Thursday June 18, 2009**

Yakima Basin Fisheries Research, Room 147			Watershed and Wildlife Management, Room 101		
Time	Presenter	Topic	Time	Presenter	Topic
8:20	John Vaccaro USGS	Vulnerabilities of water availability and agriculture from climate change in the Yakima River Basin, WA	<b>Room 147 Joint session</b>		
9:00	Anthony Fritts WDFW	Effects of domestication on predation mortality and competitive dominance			
9:20	Gabriel Temple WDFW	Non-target taxa monitoring	9:20	Matt Ely USGS	Aspects of Groundwater in the Yakima River Basin
9:40	Mike Porter YN Fisheries	Northern Pikeminnow predation	9:40	Thomas Elliott YN Wildlife	Groundwater relations between Toppenish Creek and Marion Drain
10:00	<b>Break</b>		10:00	<b>Break</b>	
10:20	Mike Porter YN Fisheries	Bird predation on the Yakima River	10:20	Tom Ring YN	Bad decade at Black Rock
10:40	Todd Newsome YN Fisheries	Yakima River coho reintroduction feasibility study	10:40	Scott Nicolai YN Habitat	Large wood replenishment in Taneum Creek
11:00	Gabriel Temple WDFW	Coho salmon reintroduction and interactions with rainbow trout in Taneum Creek, Washington	11:00	Jason McCormick WWT	Winter Water: A hot topic for cold fish
11:20	Melinda Davis YN Fisheries	Yakima River Fall Chinook supplementation	11:20	Scott Ladd YN	Water Quality in Lower Yakima River Tributary Streams and Irrigation Return Drains
11:40	Chris Frederiksen YN Fisheries	Modeling Summer Chinook reintroduction	11:40	Joel Freudenthal Yakima County	Flood planning, projects and habitat management
12:00	<b>Lunch</b>		12:00	<b>Lunch</b>	
Time	Presenter	Topic	Time	Presenter	Topic
1:00	Yuki Reiss YBFWRB	Update on the Status of Bull Trout in the Yakima Basin	1:00	<b>Panel on tributary access (YTAHP) - Dave Myra et al.</b>	
1:20	Maureen Small WDFW	Genetic Analysis of Yakima Basin Bull Trout ( <i>Salvelinus confluentus</i> )			
1:40	Tim Resseguie YN Fisheries	Steelhead Monitoring on Satus, Toppenish and Ahtanum Creeks			
2:00	Dave Fast YN Fisheries	Steelhead reconditioning update			

Time	Presenter	Topic	Time	Presenter	Topic
2:20	Scott Blankenship WDFW	Genetic comparisons between spawning adult steelhead, juvenile migrants, and mature resident <i>O. mykiss</i> from the upper Yakima River	2:20	Lisa Pelly WRC	Flow restoration in Manastash Creek
2:40	Barry Berejikian NOAA Fisheries	Implementation of hydraulic redd sampling and two-year smolt rearing programs to reduce domestication in steelhead supplementation programs	2:40	Jill Arango CLC	Wilson Creek Restoration and Grazing Innovation Project
3:00	<b>Break</b>		3:00	<b>Break</b>	
3:20	Barry Berejikian NOAA Fisheries	A review of the relative fitness of hatchery- and natural-origin salmon and steelhead	3:20	Rachel Little, BCD & Denise Buck, NYCD	Environmental Education in the Yakima Basin - Schools of Salmon
3:40	Steve Cramer CFS	Environmental drivers of steelhead abundance in partially anadromous <i>Oncorhynchus mykiss</i> populations	3:40	John Marvin YN Habitat	YKFP Habitat Projects
4:00	Ian Courter CFS	Flow and temperature effects on life history diversity of <i>Oncorhynchus mykiss</i> in the Yakima River basin	4:00		
4:20	Brian Saluskin YN Fisheries	Cle Elum passsage update	4:20		
4:40	Bob Rose YN Fisheries	Yakama Nation Pacific Lamprey Plan	4:40		

# ***Yakima Basin Science & Management Conference 2009***

## **List of Acronyms:**

BCD= Benton Conservation District  
CFS= Cramer Fish Sciences  
CLC= Cascade Land Conservancy  
CWU= Central Washington University  
KCT= Kittitas Conservation Trust  
MSU= Montana State University  
NOAA= National Oceanic & Atmospheric Association  
NYCD= North Yakima Conservation District  
USFS= United States Forest Service  
USGS= United States Geological Survey  
UW= University of Washington  
WDFW= Washington Department of Fish & Wildlife  
WRC= Washington Rivers Conservancy  
WSDOT= Washington State Department of Transportation  
WSU= Washington State University  
WWT= Washington Water Trust  
YBFWRB= Yakima Basin Fish & Wildlife Recovery Board  
YKFP= Yakima/Klickitat Fisheries Project  
YN= Yakama Nation  
YTAHP= Yakima Tributary Access & Habitat Program