

2015 Yakima Basin Science and Management Conference

This conference is free of charge and pre-registration is not necessary

Central Washington University
400 E University Way, Ellensburg WA 98926

Wednesday, June 17th 2015

8am to 5pm

Thursday, June 18th 2015

8:30am to 5pm

Science Building

Room 147



Purpose:

To provide a comprehensive overview and exchange of ideas about the most current biological science and resource management activities in the Yakima River Basin

For more information visit the Yakima Klickitat Fisheries Project website, www.ykfp.org or email:

Dave Fast: fast@yakama.com

or

Anthony Fritts: anthony.fritts@dfw.wa.gov



CENTRAL WASHINGTON UNIVERSITY

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New Study In Yakima Basin

Paul Pickett from the Department of Ecology in Yakima is looking for some help. He is launching a study of the mainstem Yakima River, looking temperature, dissolved oxygen, and pH. The first phase of his study is to collect existing information on these parameters and the ecosystem functions that affect them. If you know of any data sets, modeling studies, or other information on temperature, DO, and pH in the mainstem Yakima River, please contact him here at the conference, or put your name on the sign-up sheet in the lobby, or grab a flyer from the reception table.

2015 Yakima Basin Science & Management Conference – Wednesday June 17

Dave Fast

Registration	
Dave Fast – YN Fisheries	Introduction to Conference
Alex Conley – YBFWRB	Overview of Habitat Activities in the Yakima Basin
Brian Saluskin – YN	Cle Elum Sockeye Reintroduction/Passage
Andrew Matala - CRITFC	Genetic monitoring of sockeye salmon: evaluating relative productivity among two donor stocks
Break	
Joel Hubble - BoR	Status of Juvenile Fish Passage Design for Cle Elum
Vince Bryan III - WHOOSH	WHOOSHH – Potential Adult Passage Design
Ian Courter - MHE	Assessment of Stream Flow Effects on Smolt Survival Below Roza Dam
Russell Perry – USGS	Assessment of Passage Route Effects on Smolt Survival at Roza and Prosser Dams
Walter Larrick – BOR	Yakima Basin Integrated Plan – Early Implementation
Salmon Lunch	
Ingrid Tohver UW/CIG	Climate Change in the Yakima Basin: Implications for Aquatic Habitat and Water Management

FISHERIES OVERVIEW

Salmon Extinction in the Yakima Basin

- “Not an Option!” or
- “The Preferred Alternative?”

THE SALMONID EXTINCTIONS:

- SOCKEYE – THE FIRST TO GO. EARLY 1900'S
- SUMMER CHINOOK – 1970'S
- COHO – 1980'S

THE THREATENED ONES

- STEELHEAD
- BULL TROUT

THE OTHERS:

- LAMPREY (FUNCTIONALLY EXTINCT)

Historic Salmon Runs Modified from Alex Conley

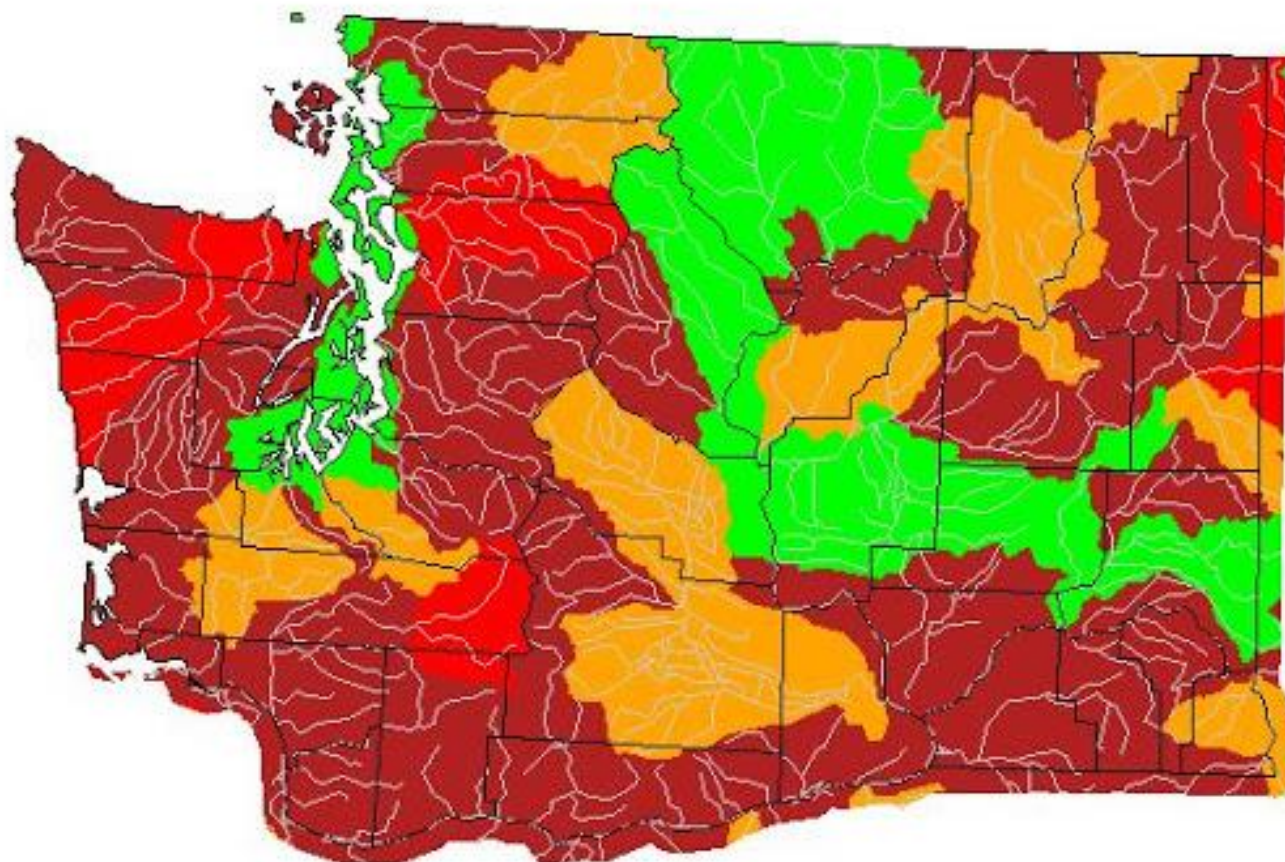
Species/Run	Estimates	Current Status	Low	Year	2014
Spring Chinook	200,000-500,000	Supplemented Population	666	1995	10,205
Fall Chinook	38,000-100,000	Supplemented Population	523	1988	7,792
Summer Chinook	??	Extirpated 1970'S Began Reintroduction 2008	-	till 12	1,513
Coho	40,000 150,000	Extirpated 1980'S Reintroduced 1997	-	till 93	24,420
Sockeye	100,000 200,000	Extirpated Early 1900's Reintroduction 2009	-	Till 2009	2,676
Steelhead	30,000 100,000	Wild Population (ESA) Kelt Reconditioning	505	1996	4,141
Total	408,000-1,050,000				50,747
Bull Trout	??	Wild Population (ESA)			2500 to 3000 adults
Lamprey	??	Wild Population			0 to 87 adults

50,000+ Salmon and Steelhead to Yakima Basin in 2014!!



Average May 2015 Streamflow

Monday, June 01, 2015



Explanation - Percentile classes

Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			



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WE NEED TO START WORRYING ABOUT WHAT KIND OF WORLD
WE ARE GOING TO LEAVE FOR KEITH RICHARDS.