

WELCOME TO THE 2014 YAKIMA BASIN SCIENCE AND MANAGEMENT CONFERENCE

**PRESENTED BY:
YAKAMA NATION**

WDFW

BPA

CWU

YBFWRB

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)

STRATEGIES FOR SALMONID ENHANCEMENT

- FISH BENEFITS FROM INTEGRATED PLAN
- SUPPLEMENTATION PROGRAMS FOR EXISTING STOCKS
- REINTRODUCTIONS OF LOST STOCKS
- TRANSLOCATION OF BULL TROUT BETWEEN TRIBUTARIES WITHIN THE YAKIMA BASIN
- KELT RECONDITIONING
- AND LAMPREY REINTRODUCTION

SPRING CHINOOK SUPPLEMENTATION RESEARCH UPDATES

- **DEMOGRAPHIC AND PHENOTYPIC TRAITS**
- **GENETICS**
- **COMPETITION AND CARRYING CAPACITY**
- **MINIJACK RESEARCH**
- **HOOKING MORTALITY IN HATCHERY
SELECTIVE CATCH AND RELEASE FISHERIES**

SOCKEYE, COHO, AND SUMMER CHINOOK REINTRODUCTION INTO THE YAKIMA RIVER BASIN



Lake Cle Elum Fish Passage Project Sockeye Reintroduction



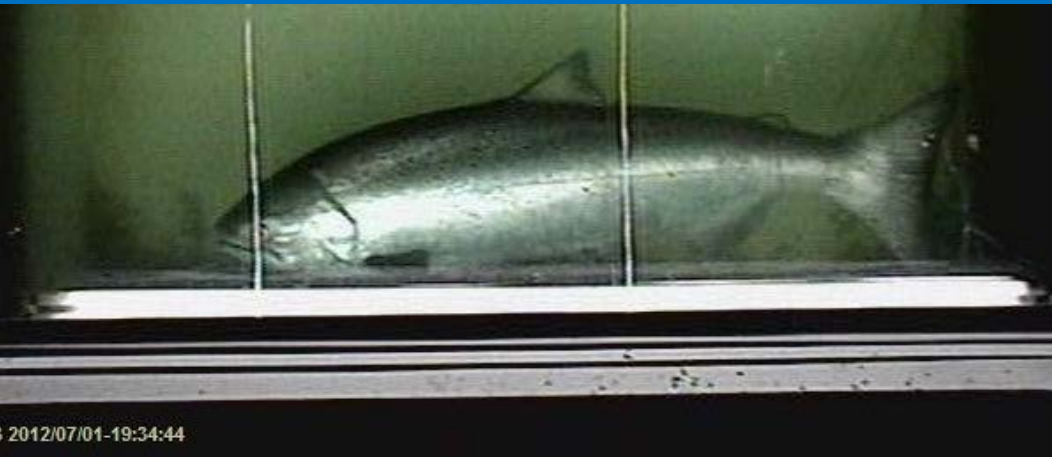
FIRST NATURALLY PRODUCED ADULTS RETURNED IN 2013

Update on Yakima Basin Coho Reintroduction



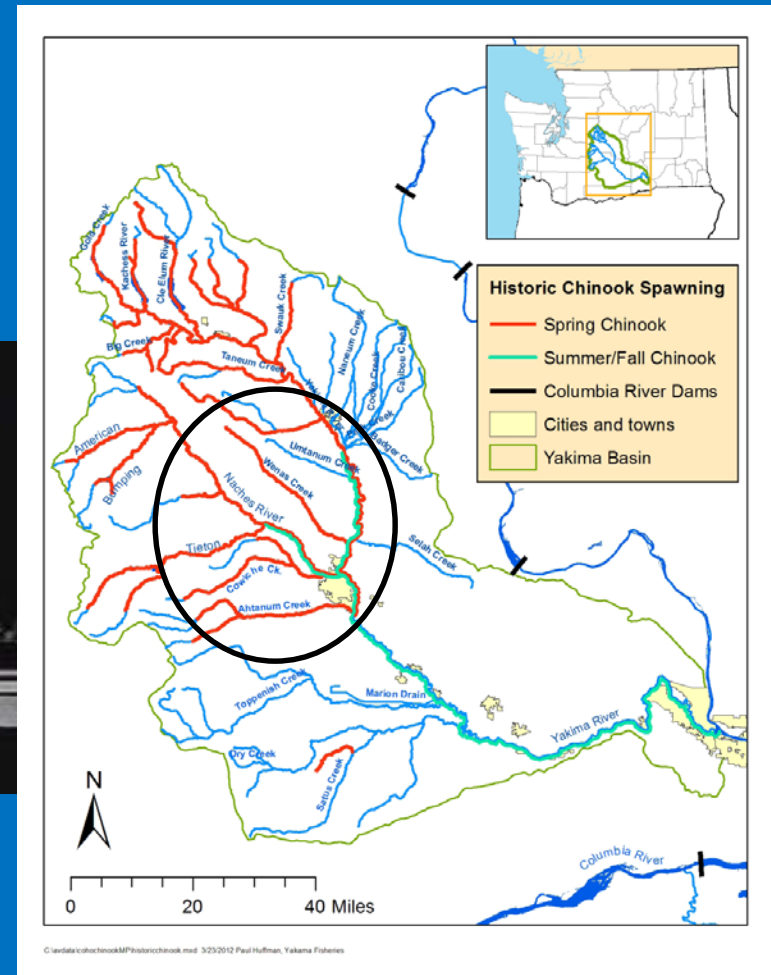
Yakima River Summer Run Chinook Reintroduction Update

- Good Return in 2013 to Appropriate Habitat



2012/07/01-19:34:44

3-Ocean Adult Summer at Prosser,
7/1/2012



STEELHEAD RESEARCH

- **TELEMETRY RESEARCH ON WILD FISH**
- **KELT RECONDITIONING UPDATES**

EXISTING CONDITIONS



DESIRED FUTURE CONDITIONS



Bull Trout Passage Research at Clear Lake



LAMPREY RESTORATION

- SUPPLEMENTATION RESEARCH PROGRAM
- JUVENILE ENTRAINMENT IN IRRIGATION DIVERSIONS
- RADIO TRACKING ADULT LAMPREY AT DIVERSION DAMS



Lamprey spawning at Prosser Hatchery,
4/25/2012

