

A photograph of two Coho salmon in a stream. One fish is on the left, partially on a log and in the snow, while the other is on the right, in the water. The water is clear and shows some ripples. The background consists of rocks and snow.

# *2017 Yakima Basin Coho Reintroduction*

**Presented By:**

**Todd Newsome**

**Fisheries Biologist for the Yakama Nation**

# Acknowledgements

## **YN:**

Conan Northwind

Quincy Wallahee

Denny Nagle

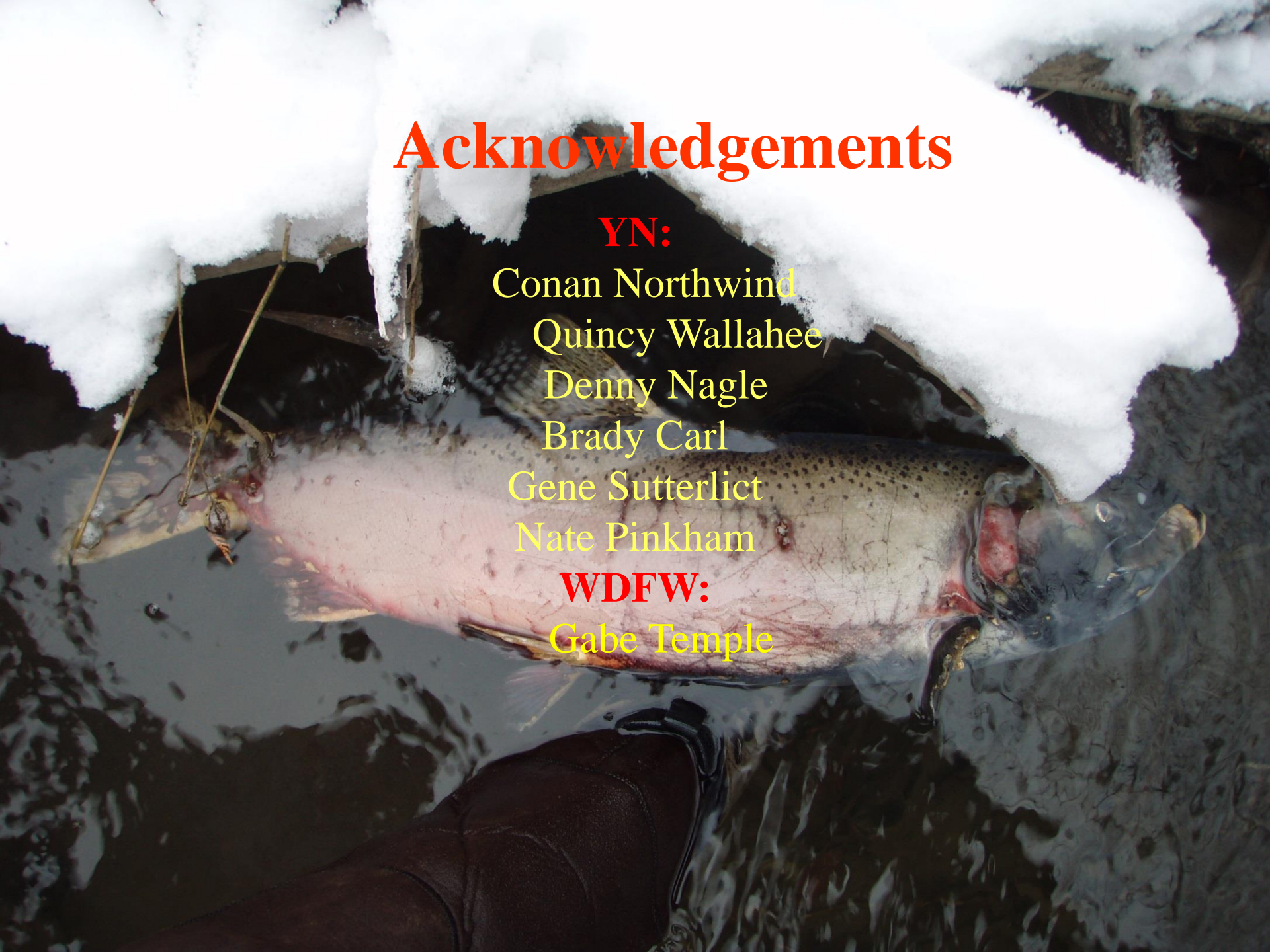
Brady Carl

Gene Sutterlict

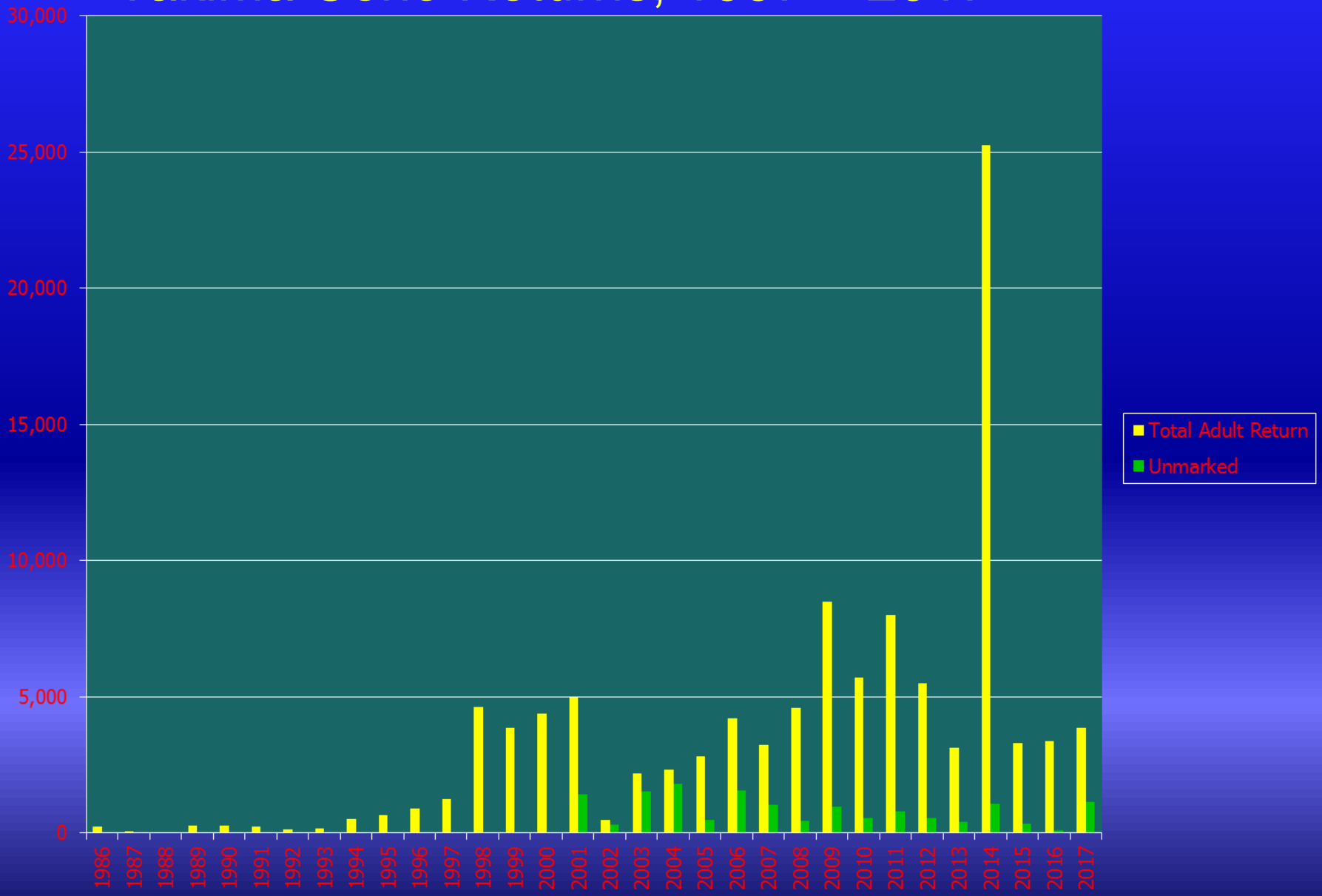
Nate Pinkham

## **WDFW:**

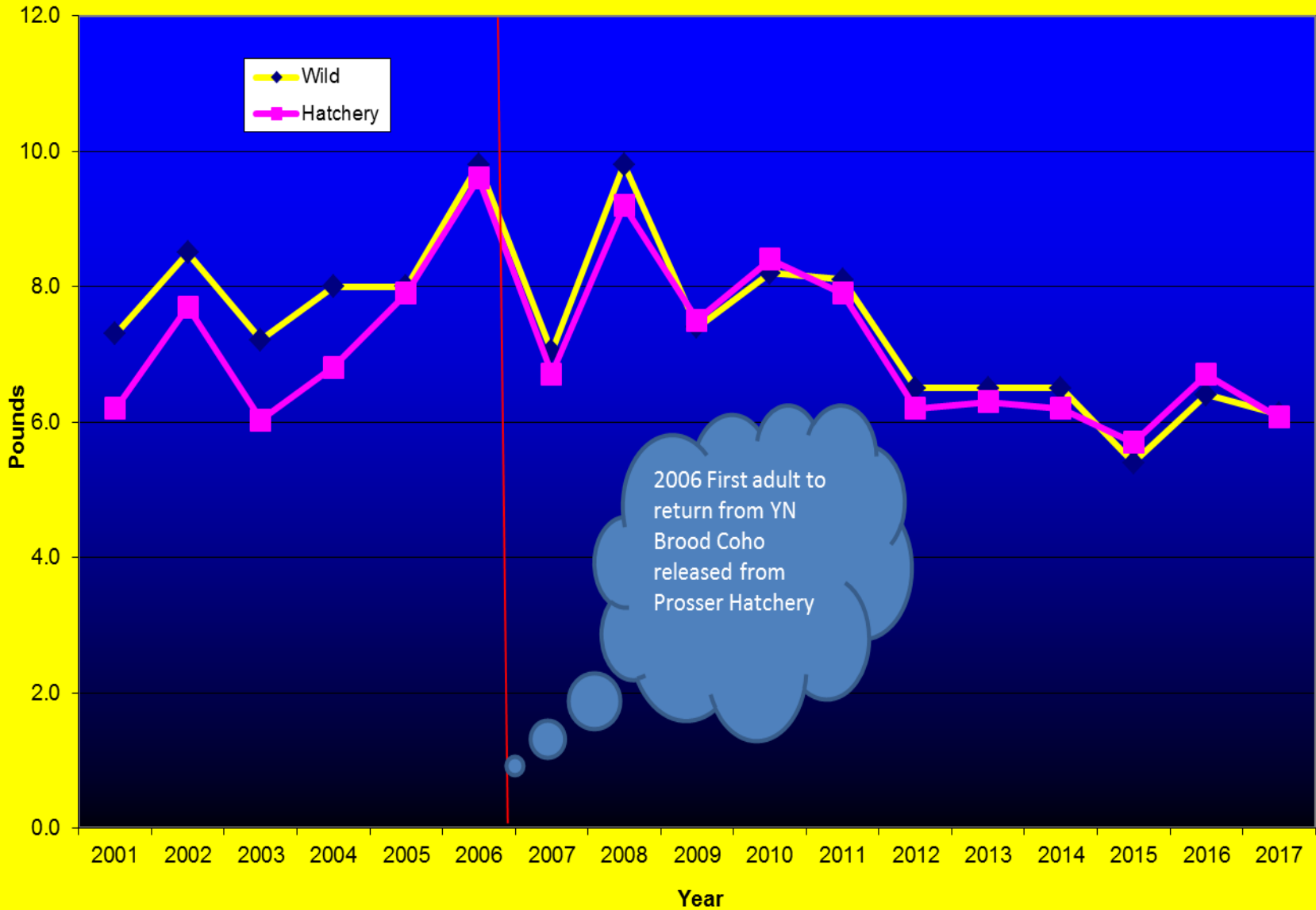
Gabe Temple

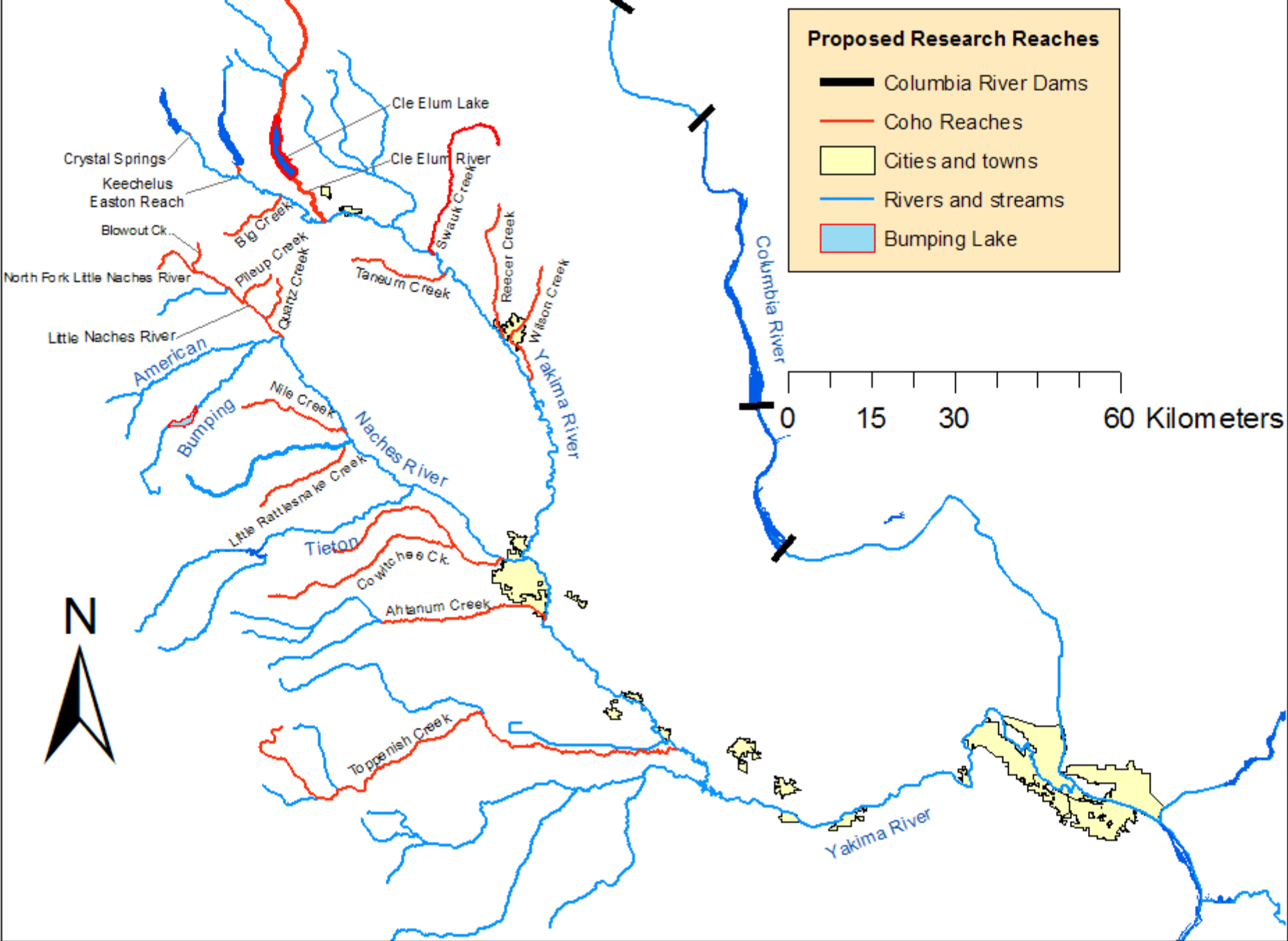


# Yakima Coho Returns, 1997 – 2017



# Weight Comparisons





# 2017 Hatchery Coho Juvenile Acclimation Sites Yakima Basin 100% In-Basin Coho

Volitional Release, April 15, 2017

Holmes, 141,200

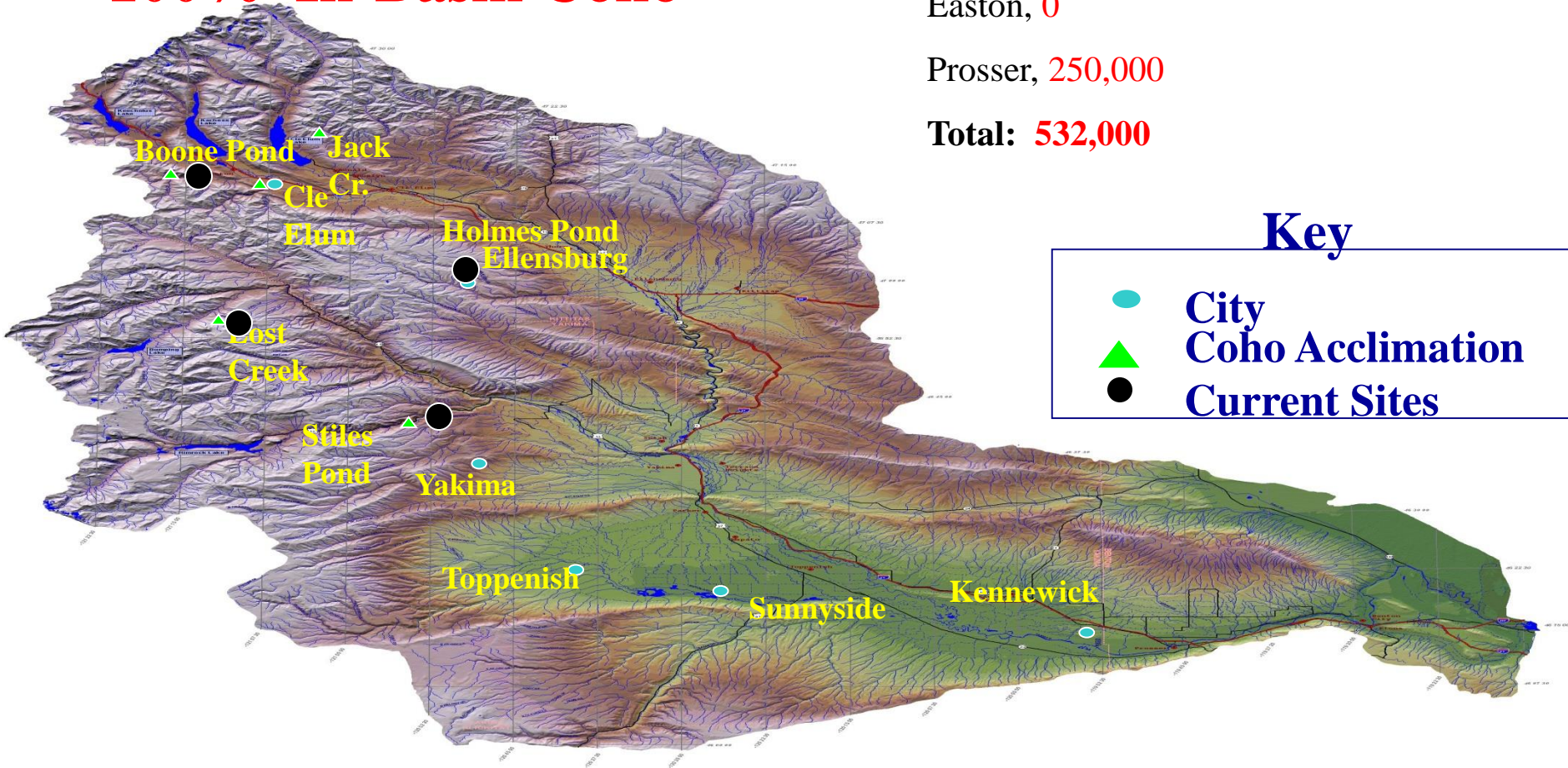
Lost Creek, 0

Stiles, 141,000

Easton, 0

Prosser, 250,000

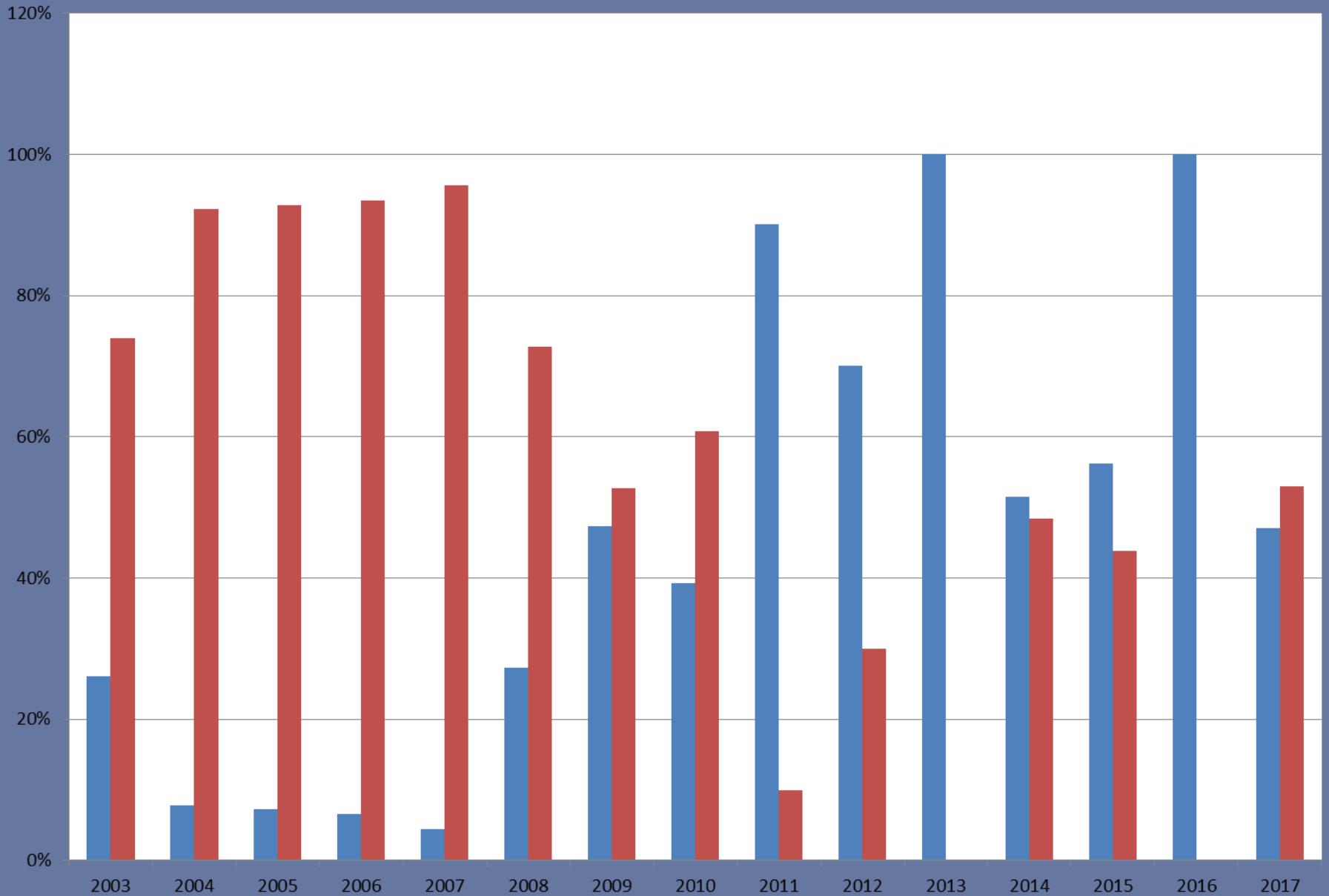
**Total: 532,000**



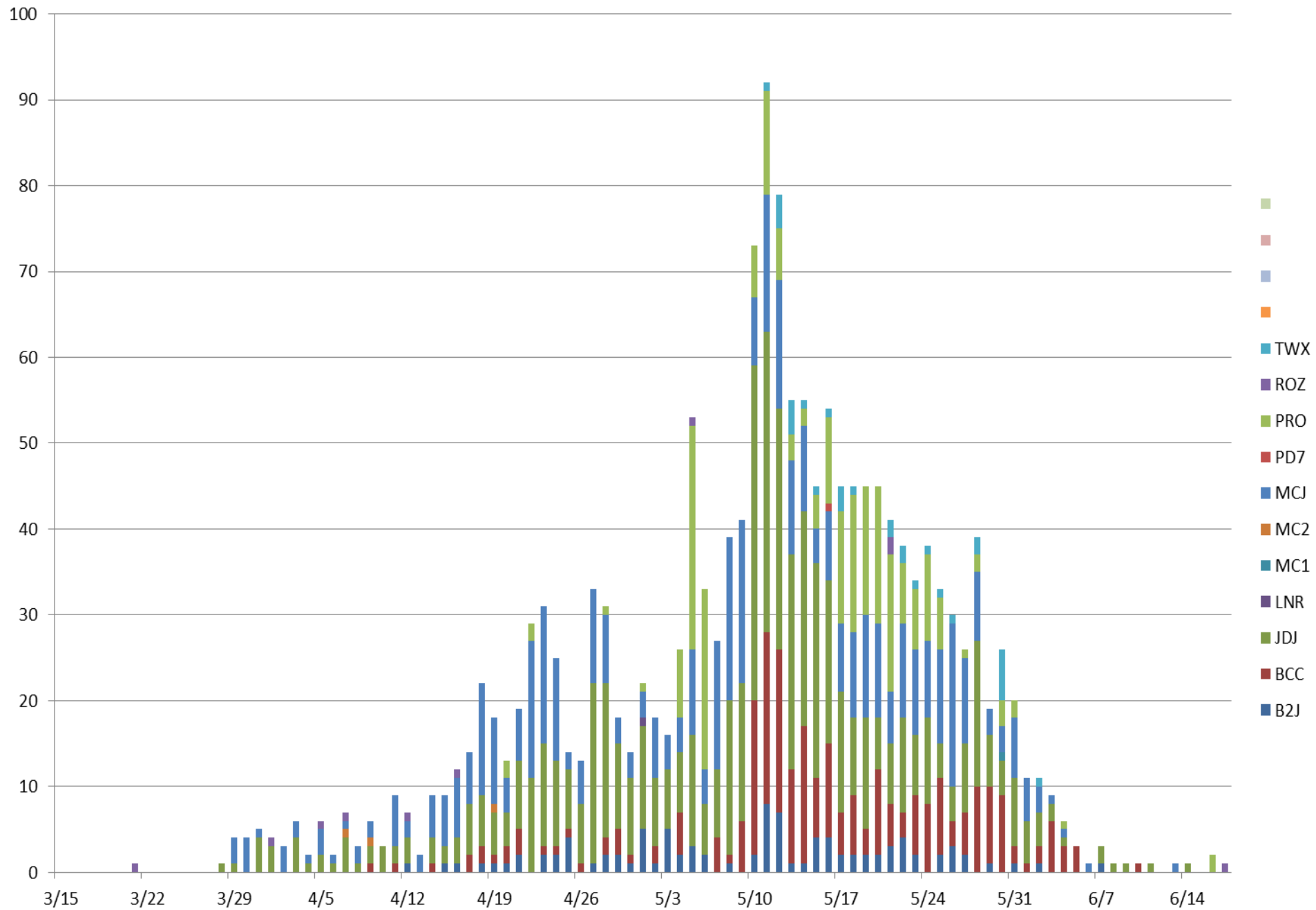
## Key

- City
- ▲ Coho Acclimation
- Current Sites

## Proportion of In-basin coho smolts released yearly

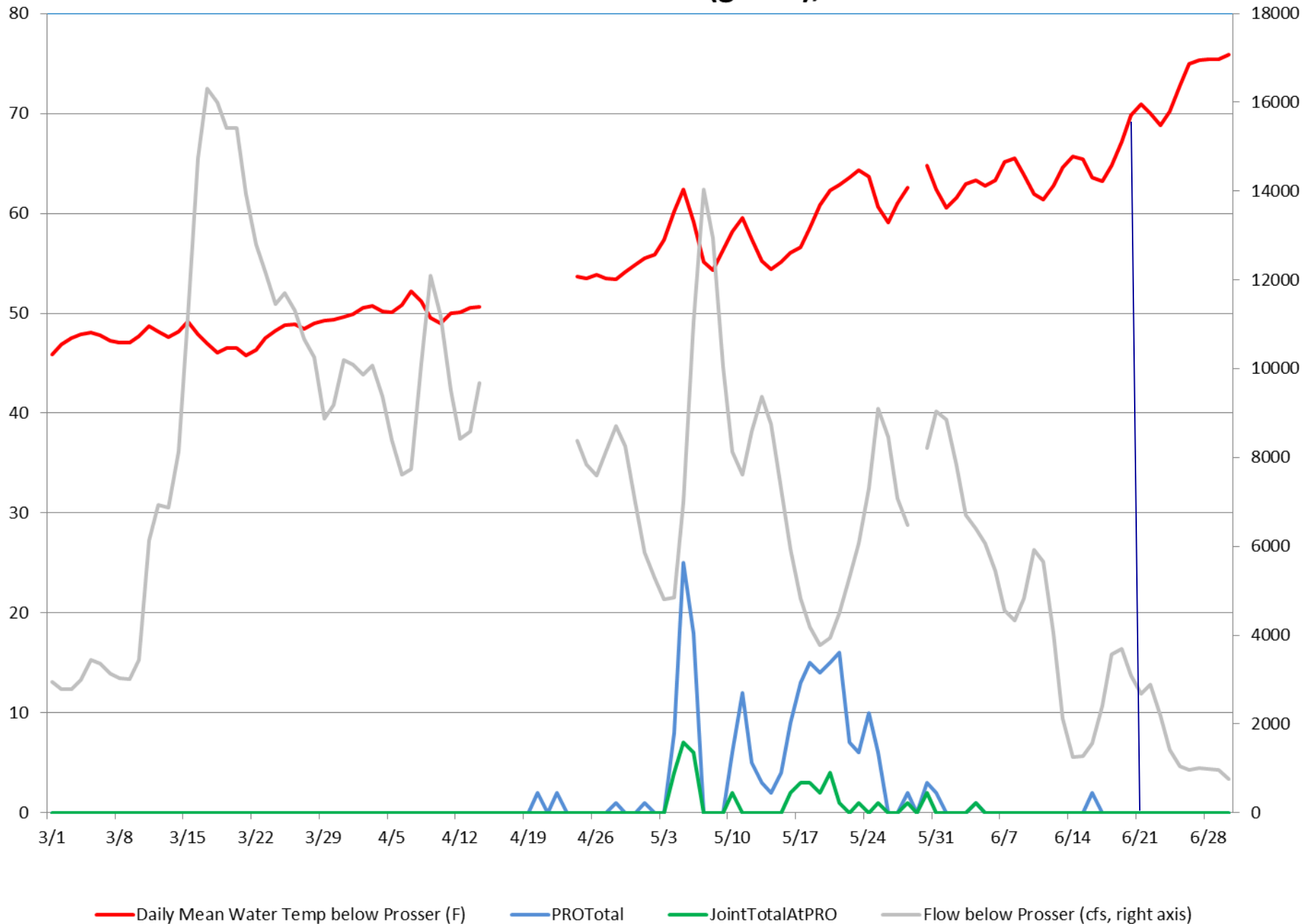


# 2017 Detections of Coho Smolt Releases

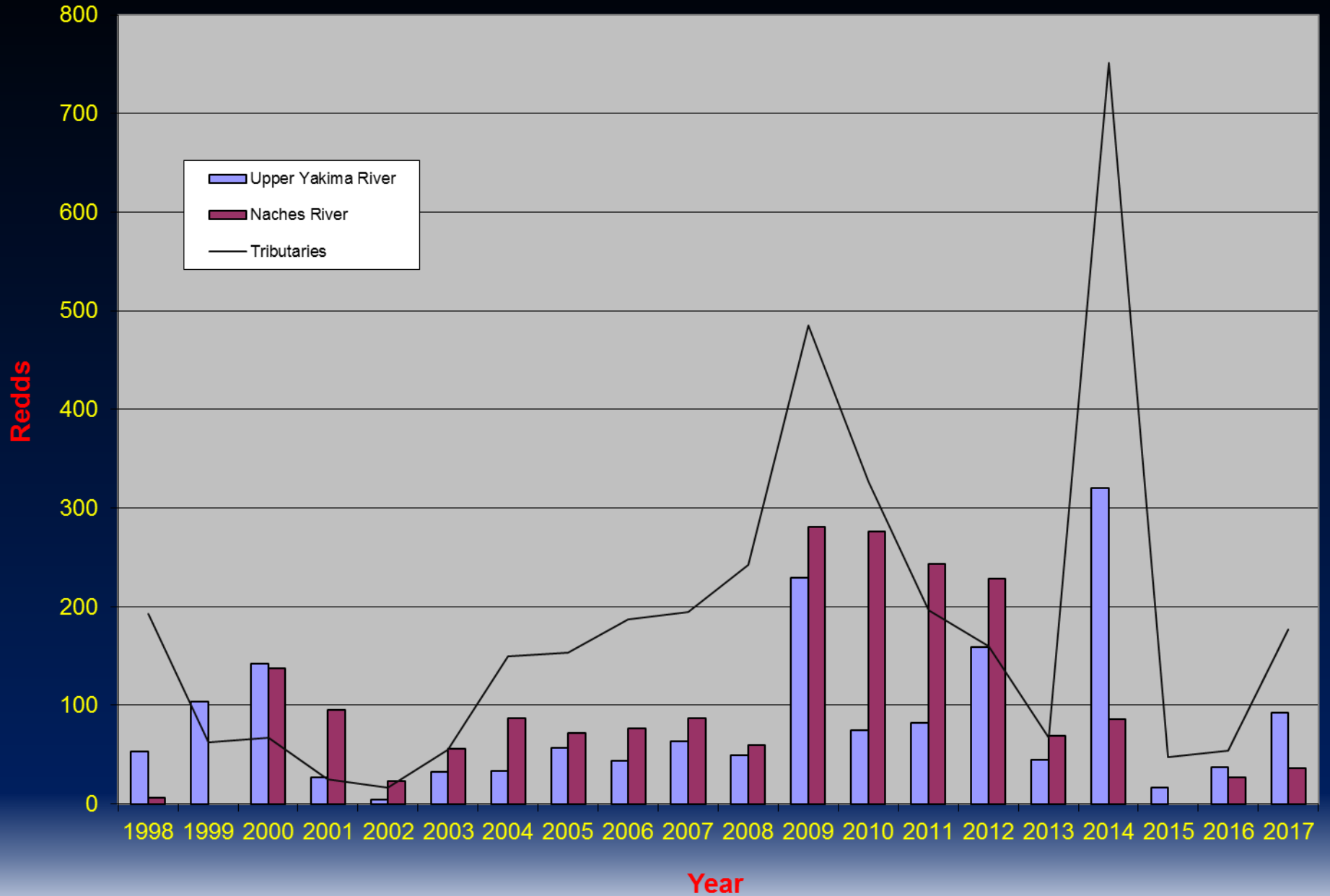




# Daily juvenile coho detections at Prosser (blue), and the portion later detected downstream (green), 2017



# Yakima Basin Redd Counts 1998-2017



# Juvenile Out-Migrations and SAR

Juvenile Migration	Hatchery-origin			Natural-origin		
	Year	Chandler Smolts <sup>a</sup>	Prosser Adults <sup>b</sup>	SAR Index	Chandler Smolts <sup>a</sup>	Prosser Adults <sup>b</sup>
2000	331,503	3,546	1%	37,359	1,432	4%
2001	134,574	166	0%	40,605	309	1%
2002	155,814	669	0%	19,859	1,523	8%
2003	139,135	505	0%	9,092	1,820	20%
2004	148,810	2,405	2%	18,787	472	3%
2005	204,728	2,646	1%	31,631	1,562	5%
2006	204,602	2,203	1%	8,298	1,049	13%
2007	260,455	4,132	2%	20,131	459	2%
2008	416,708	8,835	2%	43,046	982	2%
2009	496,594	5,153	1%	25,108	573	2%
2010	341,145	7,216	2%	35,158	802	2%
2011	333,891	4,948	1%	24,108	550	2%
2012	244,503	1,865	1%	17,667	424	2%
2013	483,122	19,913	4%	56,947	1,082	2%
2014	337,988	2,943	1%	159,642	362	0.2%
2015	129,084	1,590	1.2%	18,415	103	0.6%
2016	233,371	1,890	0.8%	227,163	1162	0.5%
Mean	272,666	4,296	1%	35,366	844	4.6%

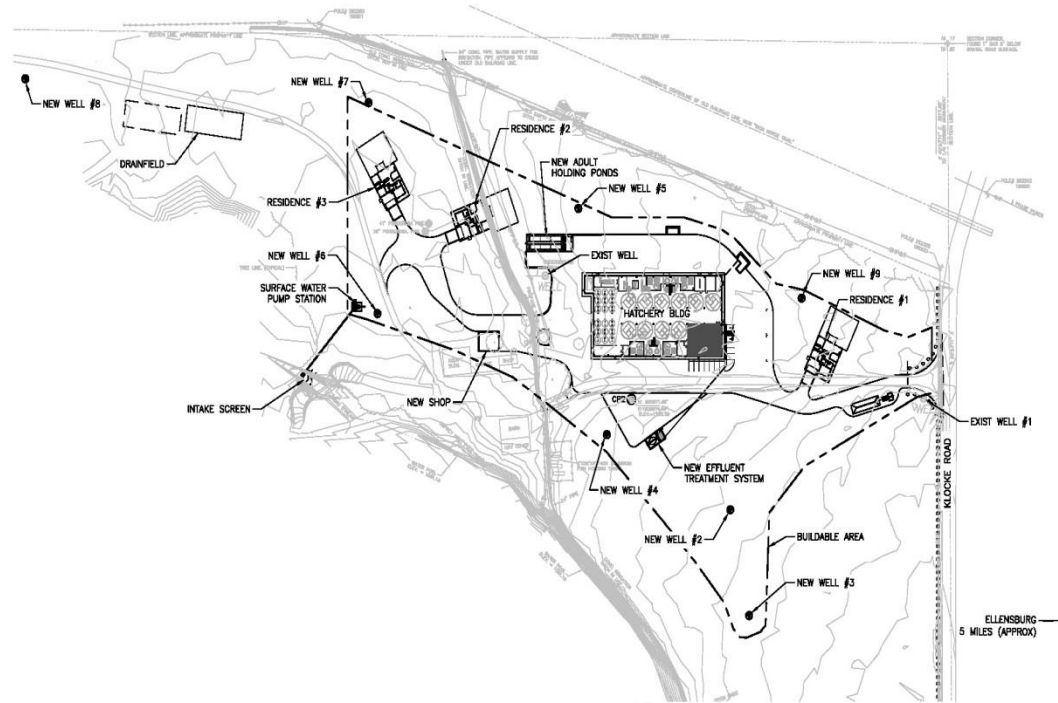
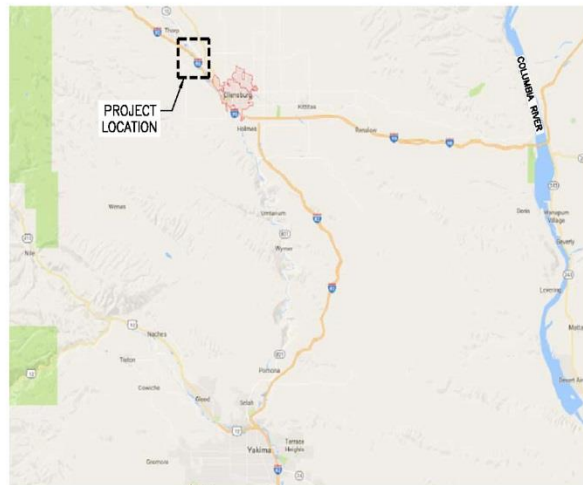
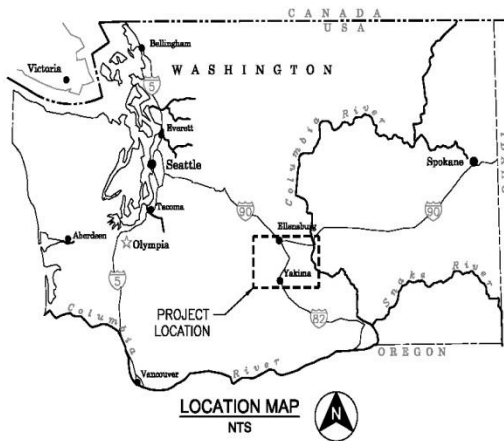
# Melvin R. Sampson Coho Hatchery

- We are Close;..... real close
- Stay tuned.....

# BONNEVILLE POWER ADMINISTRATION AND THE CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION

## MELVIN R. SAMPSON COHO HATCHERY DESIGN BUILD

### 90% DESIGN SUBMITTAL



REV	DATE	BY	DESCRIPTION
C	04/28/17	NDM	90% DESIGN SUBMITTAL
B	11/7/16	NDM	50% DESIGN SUBMITTAL
A	5/27/16	NDM	25% DESIGN SUBMITTAL

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**WARNING**  
1/2"  
IF THIS BAR DOES NOT  
MEASURE 1" THEN DRAWING  
IS NOT TO SCALE.



BPA AND THE YAKAMA NATION	
MELVIN R. SAMPSON COHO HATCHERY DESIGN BUILD	
LOCATION MAP, VICINITY MAP, AND PROJECT LIMITS	

DESIGNED: K. JENSEN
DRAWN: J. LAHMON
CHECKED: M. McMILLEN
ISSUED DATE: 04/28/17

DRAWING
<b>G001</b>
SHEET XX OF XX

\\D3118\active\Sampson\G.3 CAD\_G001.dwg

Questions?

