

2016 Yakima Basin Coho Reintroduction

Presented By:

Todd Newsome

Fisheries Biologist for the Yakama Nation



Acknowledgements

YN:

Joe Jay Pinkham III

Conan Northwind

Quincy Wallahee

Denny Nagle

Brady Carl

Gene Sutterlict

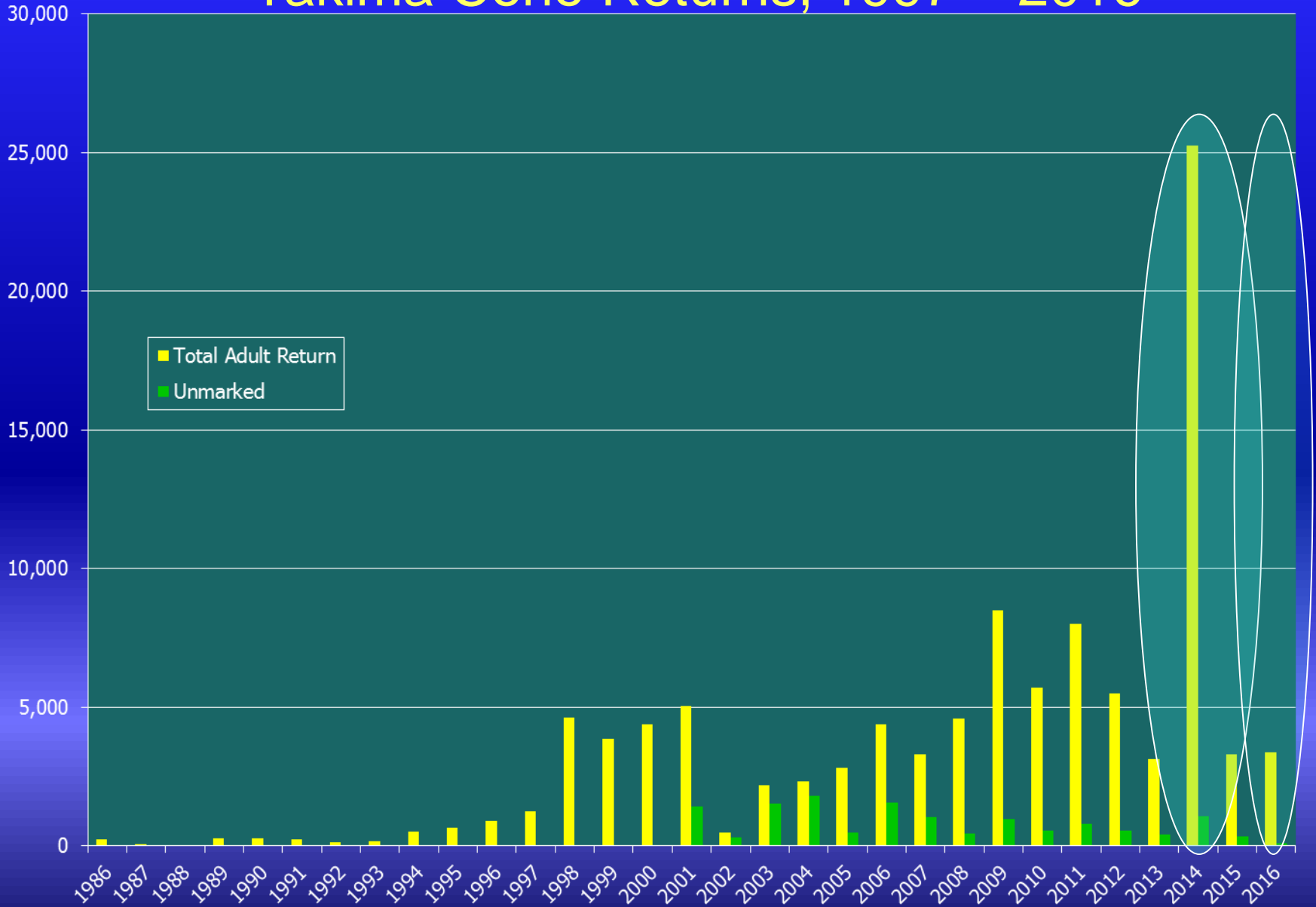
Nate Pinkham

Prosser Hatchery Crew

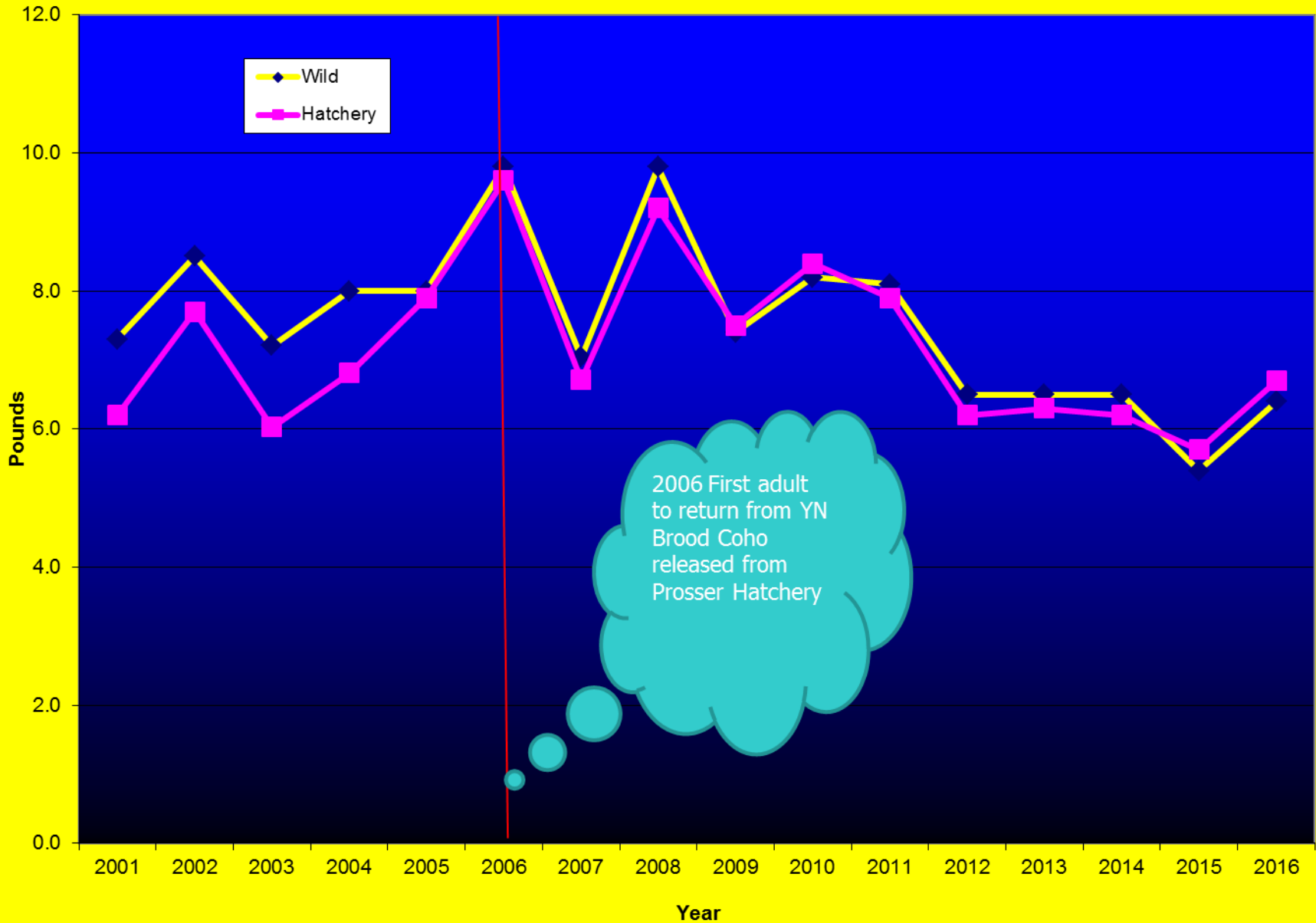
WDFW:

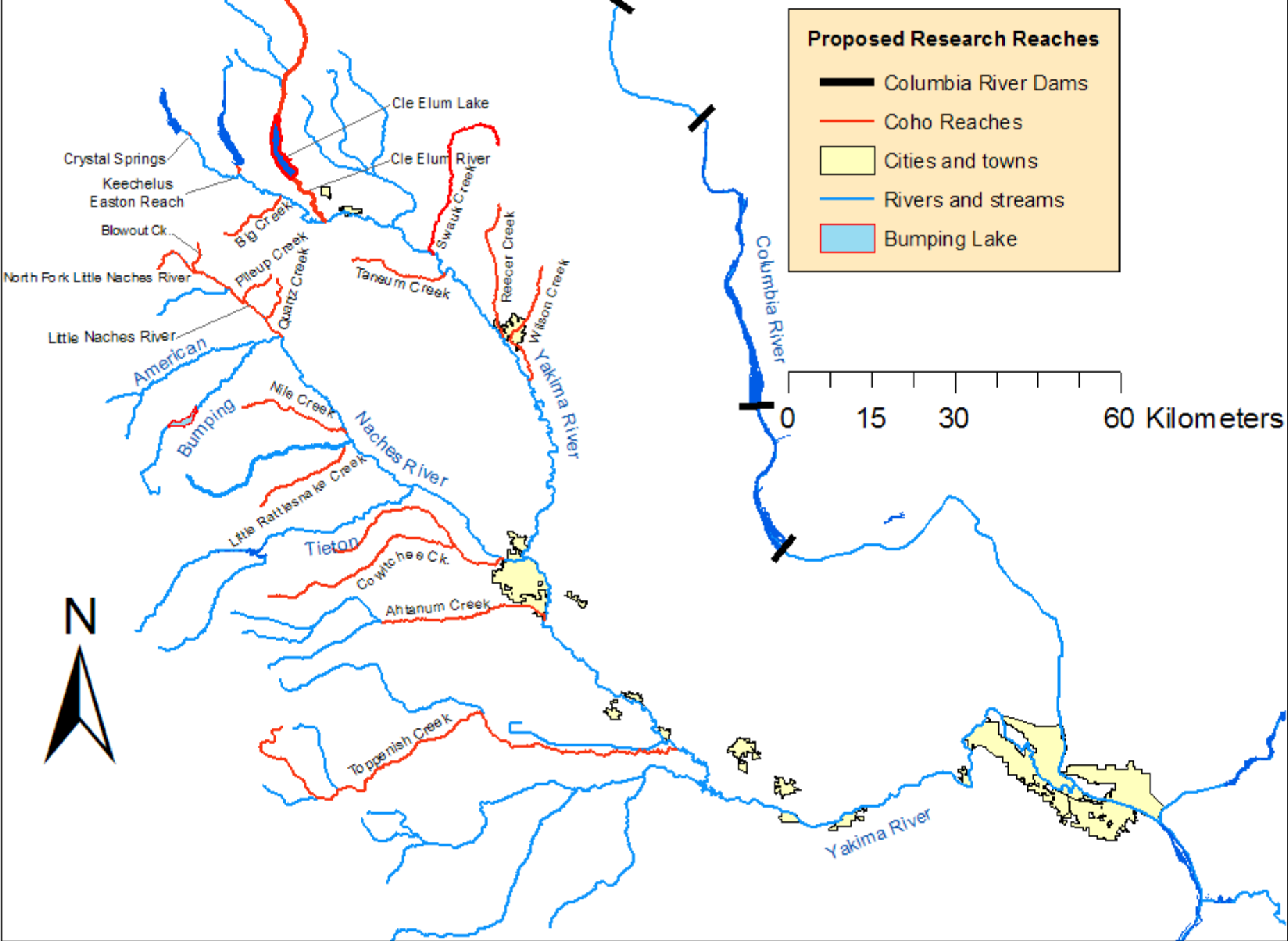
Gabe Temple

Yakima Coho Returns, 1997 – 2016



Weight Comparisons





2016 Hatchery Coho Juvenile Acclimation Sites Yakima Basin 100% In-Basin Coho

Volitional Release, April 15, 2016

Holmes, 193,067

Lost Creek, 74,220

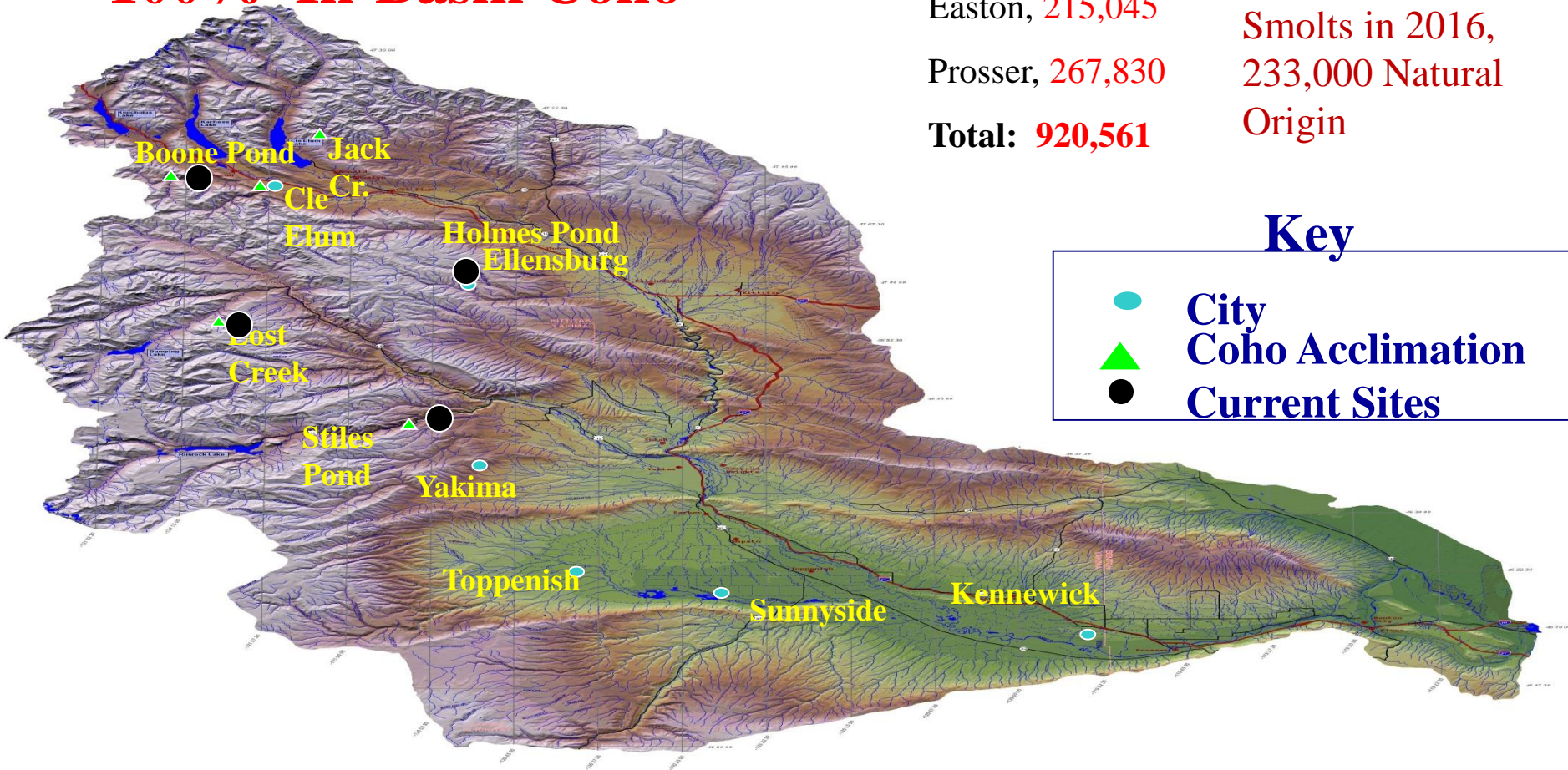
Stiles, 170,399

Easton, 215,045

Prosser, 267,830

Total: 920,561

Est. 461,000
Smolts in 2016,
233,000 Natural
Origin



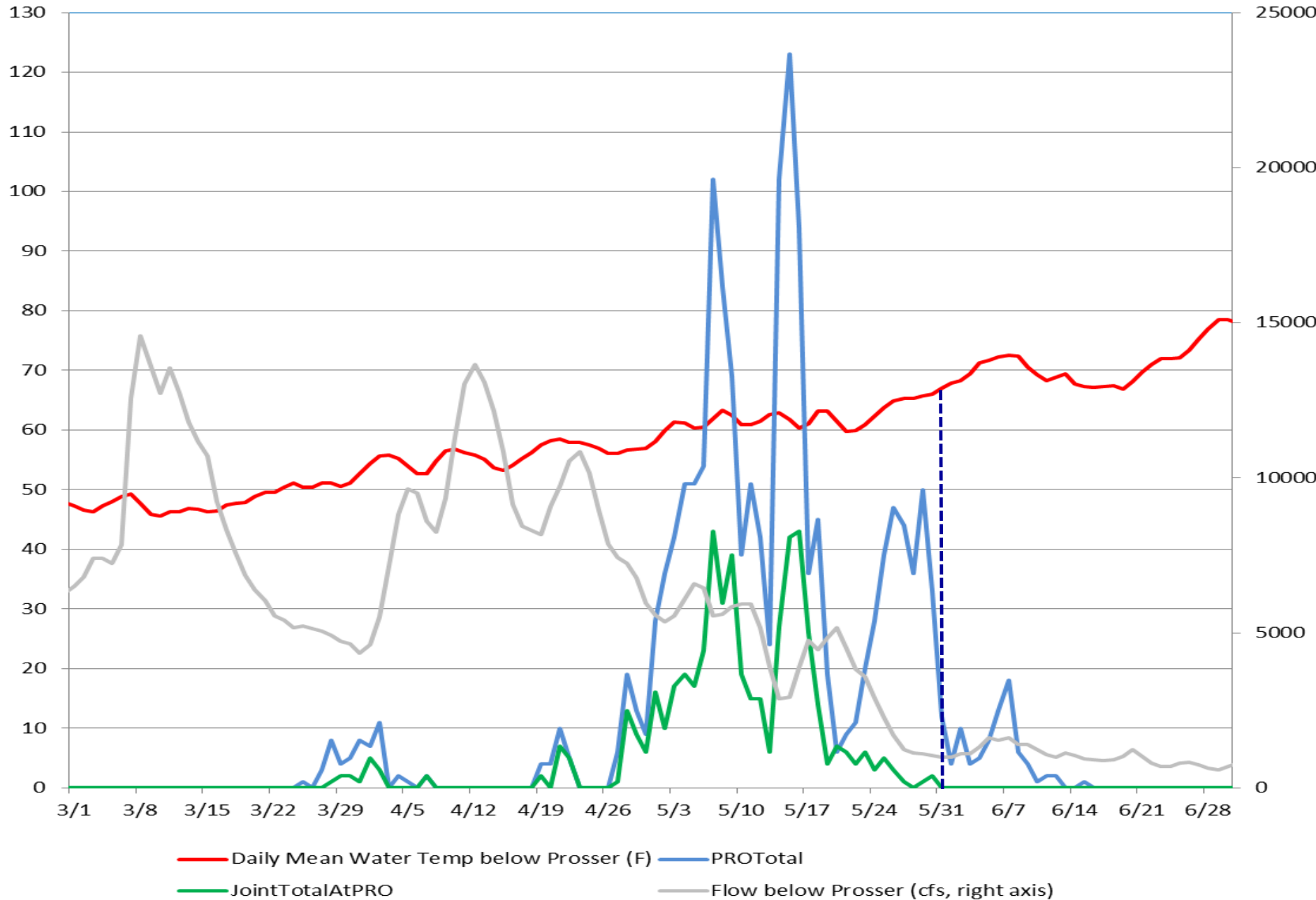
Key

- City
- ▲ Coho Acclimation
- Current Sites

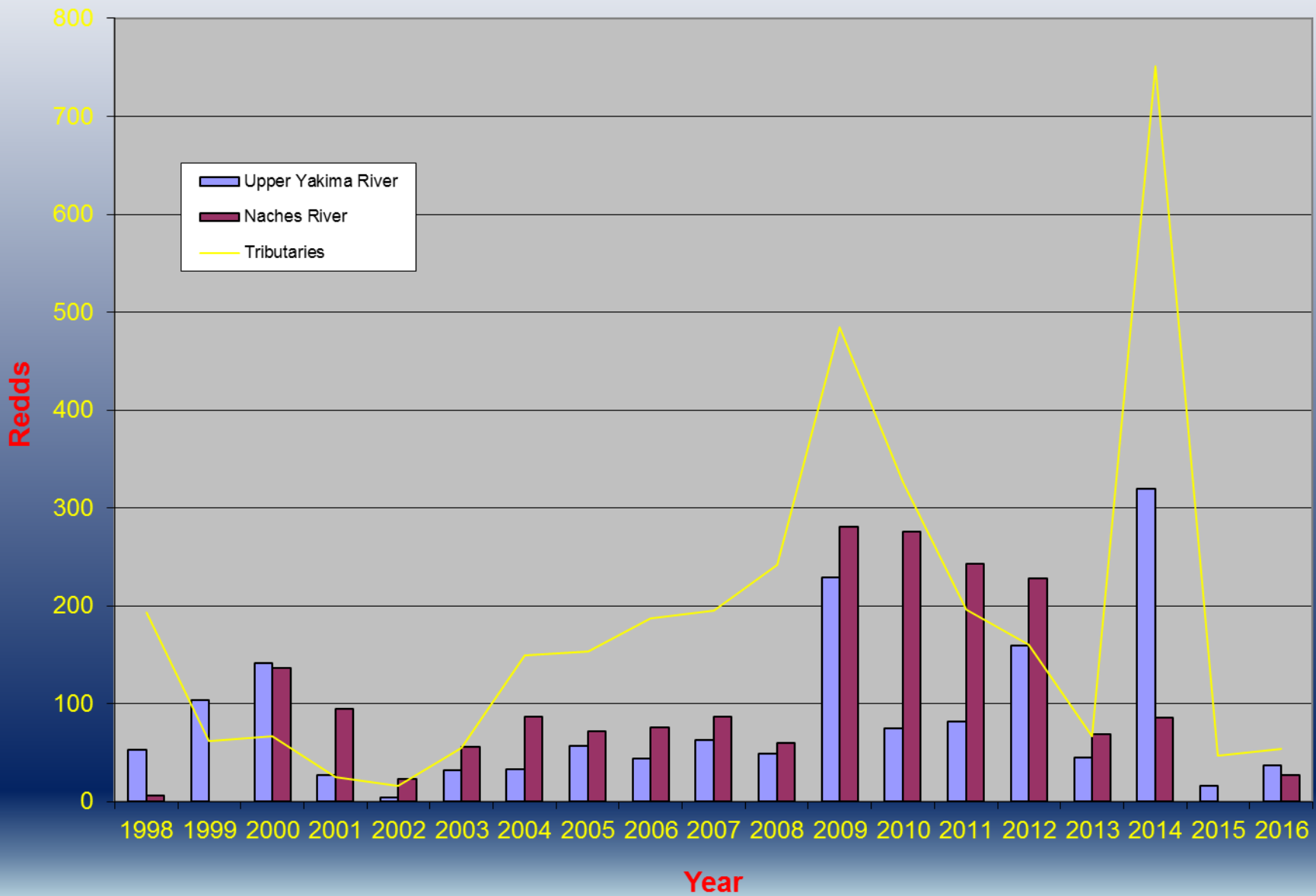
Proportion of In-basin coho smolts released yearly



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

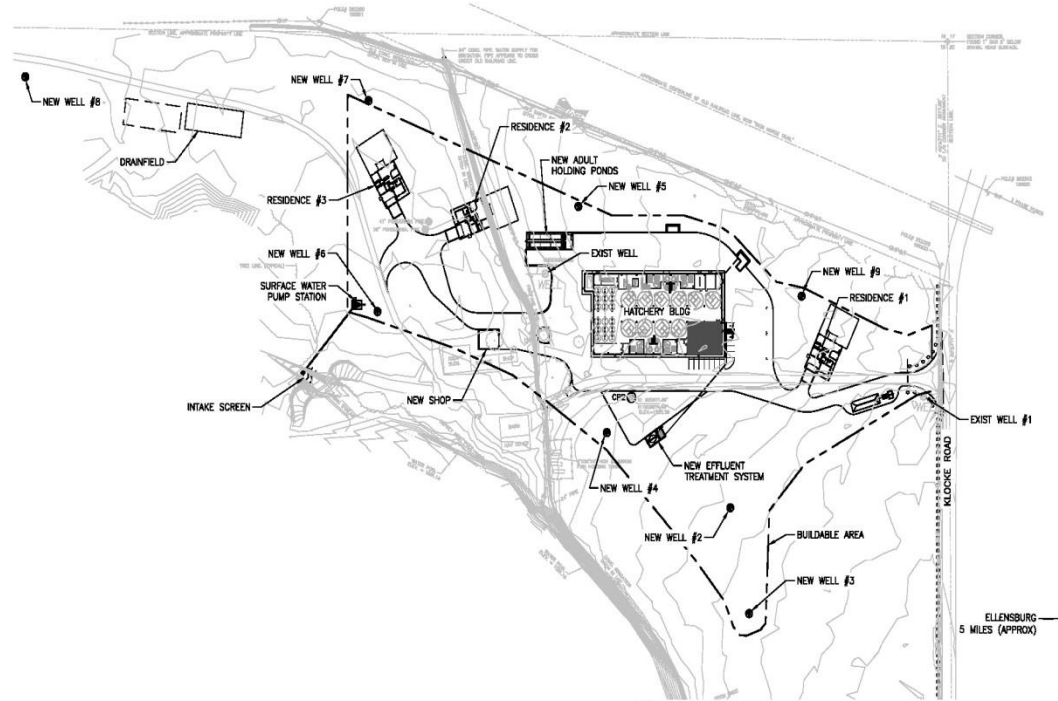
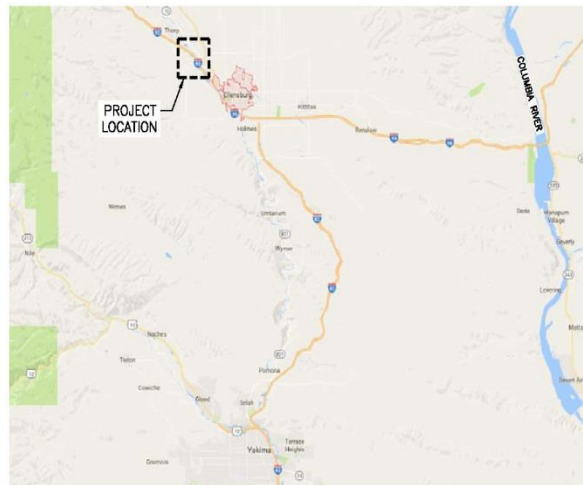


Yakima Basin Redd Counts 1998-2016



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

--	--	--	--

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



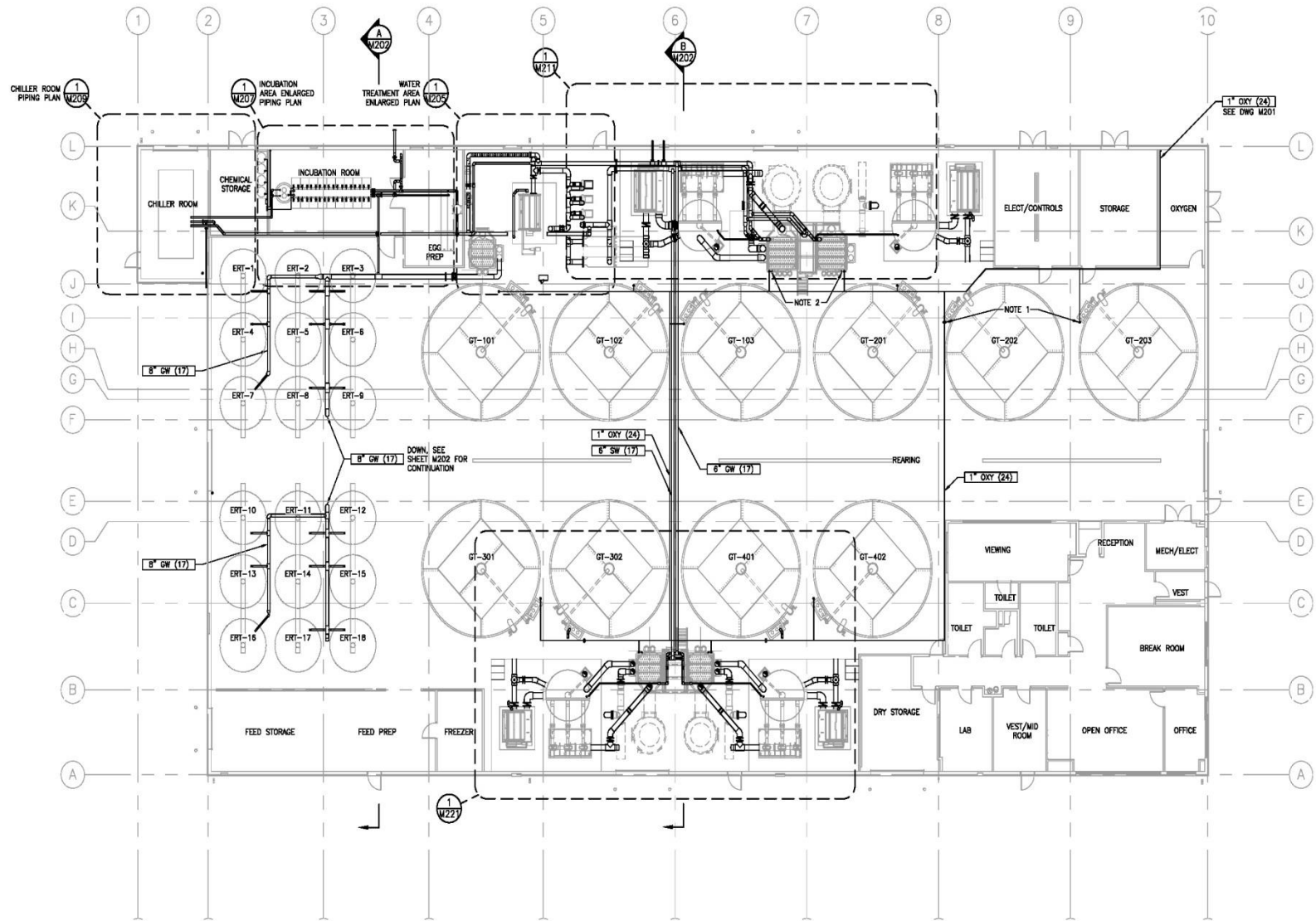
BPA AND THE YAKAMA NATION	
MELVIN R. SAMPSON COHO HATCHERY DESIGN BUILD	
LOCATION MAP, VICINITY MAP, AND PROJECT LIMITS	

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

DRAWING
G001
SHEET XX OF XX

\\D3118\active\Sampson\G.3 CAD_G001.dwg

- NOTES:
1. PROVIDE 1/2" OXY SUPPLY DROP TO OXYGEN CONTROL PANEL AT EACH GROWOUT TANK (10 TOTAL).
 2. PROVIDE 3/4" OXY SUPPLY DROP TO OXYGEN CONTROL PANEL AT EACH REUSE GAS TOWER LHO (4 TOTAL).



HATCHERY BUILDING ABOVE GRADE PIPING PLAN
SCALE: 3/32" = 1'-0"



REV	DATE	BY	DESCRIPTION
C	04/28/17	MDM	30% DESIGN SUBMITTAL
B	11/18/16	MDM	50% DESIGN SUBMITTAL
A	5/27/16	MDM	25% DESIGN SUBMITTAL

WARNING
0 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
HATCHERY BUILDING ABOVE
GRADE PIPING PLAN

DESIGNED	M. REISER	DRAWING
DRAWN	J. LAHMON	M200
CHECKED	M. McMILLEN	SHEET XX OF XX
ISSUED DATE	04/28/17	

JOB NO: 000000 \\10.3.1.6\active\Sampson\6.3 CAD\M200.dwg

Melvin R. Sampson Coho Hatchery

- Capable of producing 700,000 coho smolts
- 80% Recirculation
- 10...25X6ft circular tanks
- Able to be retrofitted for 100% recirculation if needed in the future.
- Photovoltaic Cells 100Kw help power facility
- Proposed Construction Spring 2018

Many Happy Trails

