



Yakima Basin Coho

Against All Odds, and Still the underdog

Todd Newsome and Shubha Pandit
Yakama Nation Fisheries



Acknowledgements

YN:

Coho/Fall Chinook Crew

Quincy Wallahee

Denny Nagle

Brady Carl

Talon Hull

Conan Northwind

YN: Hatchery Managers

Michael Fiander and Crew

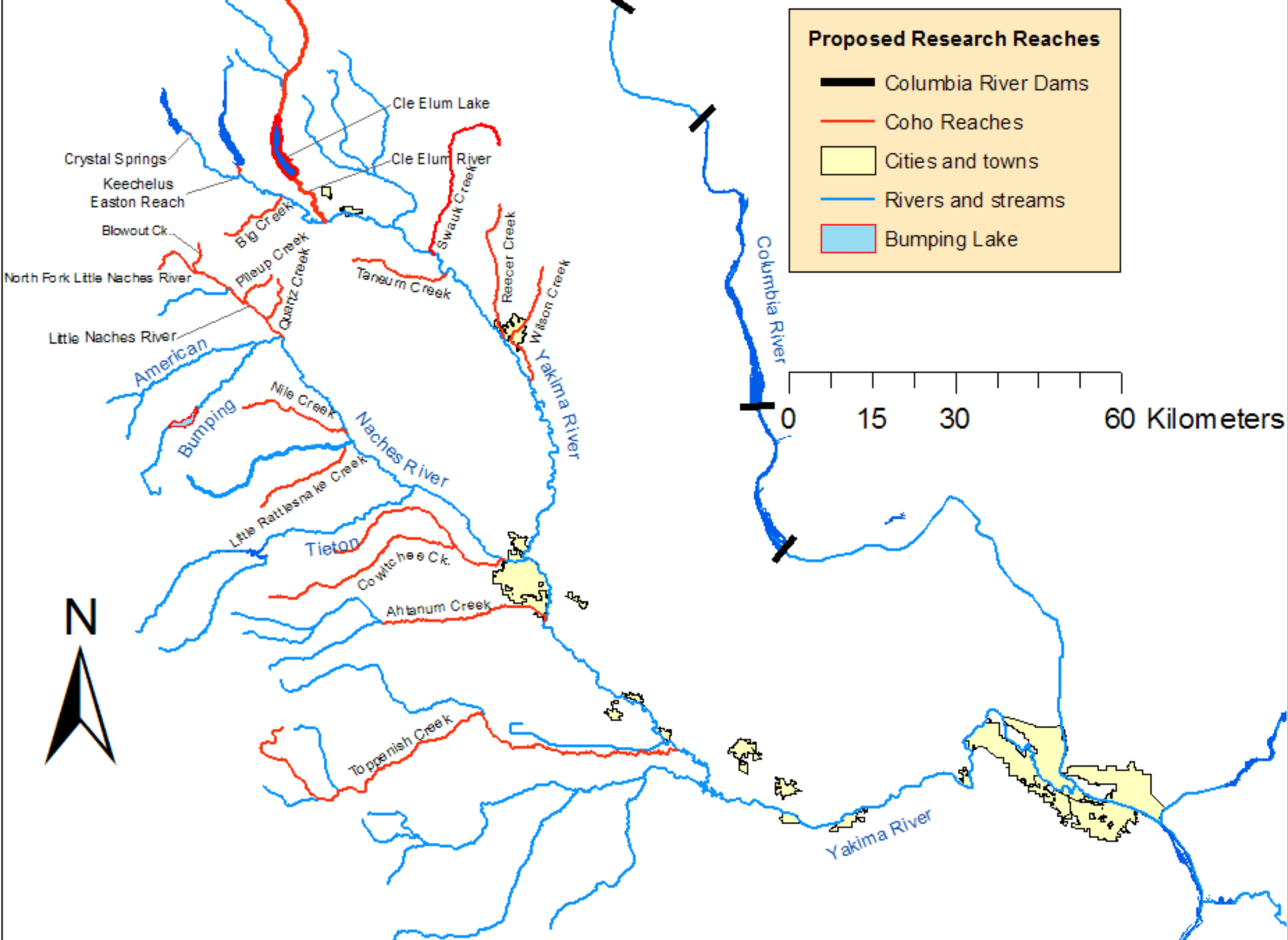
DJ Brownlee and Crew

BPA

WDFW:

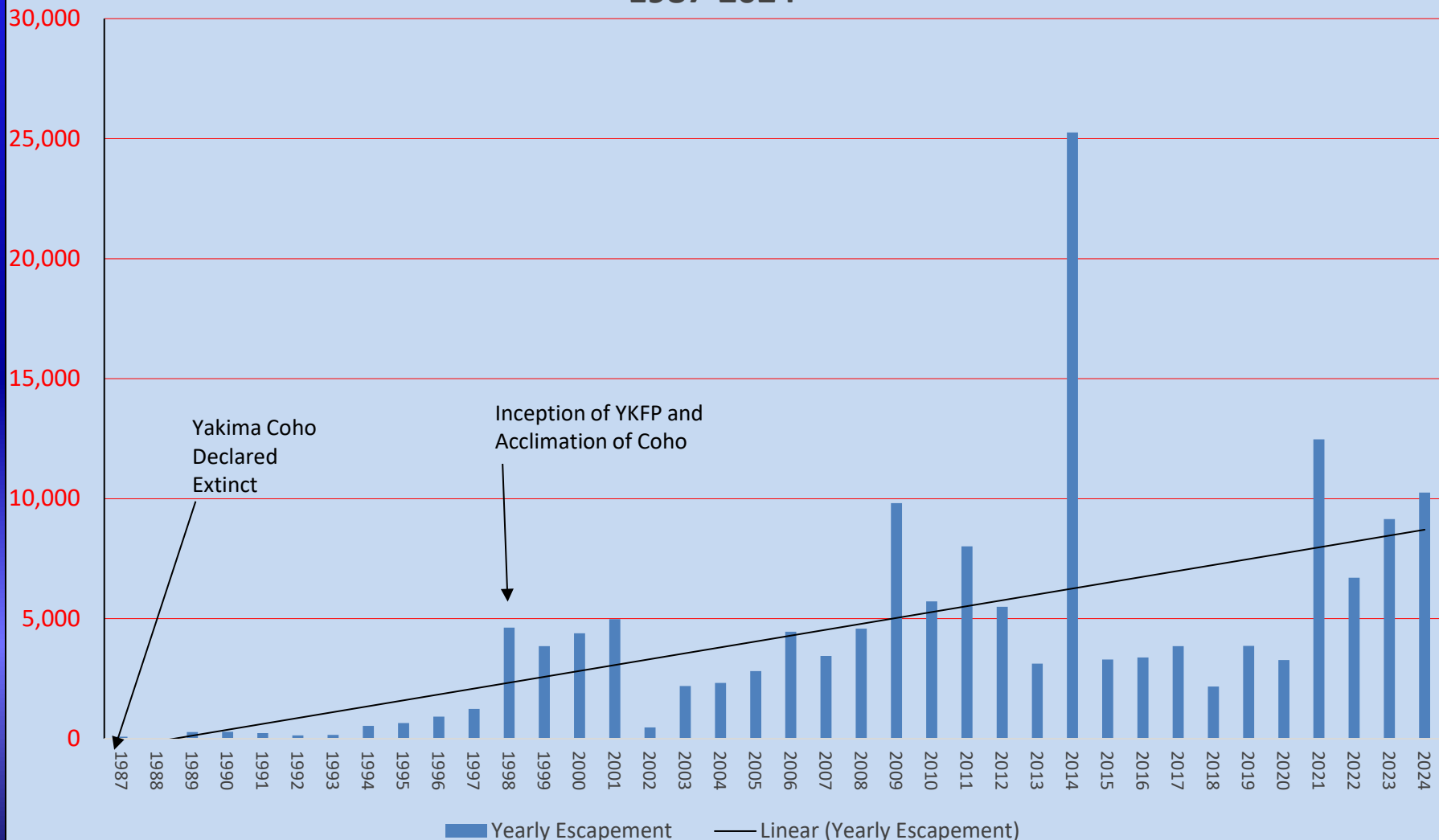
WDFW Interactions Team

Emma Olney

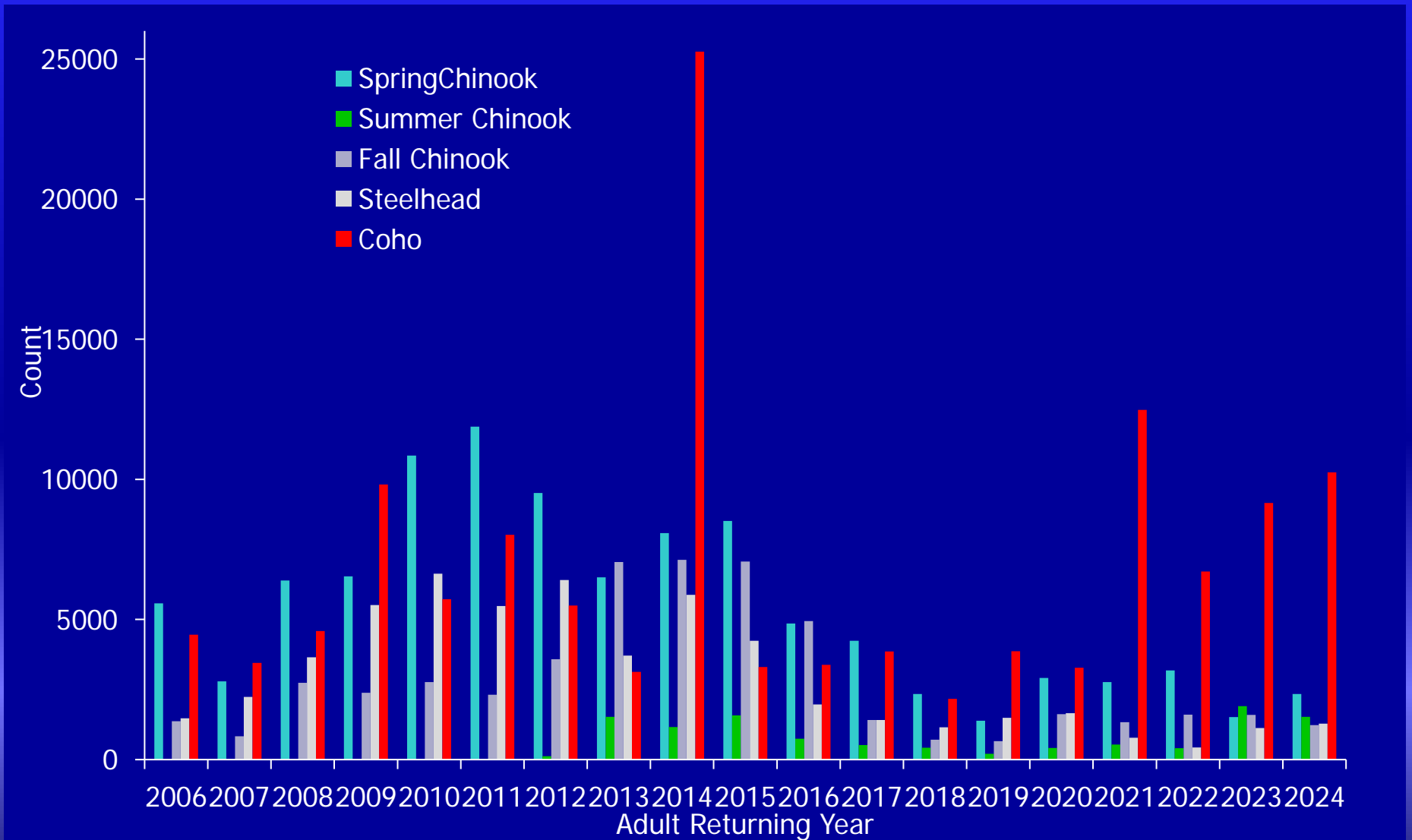




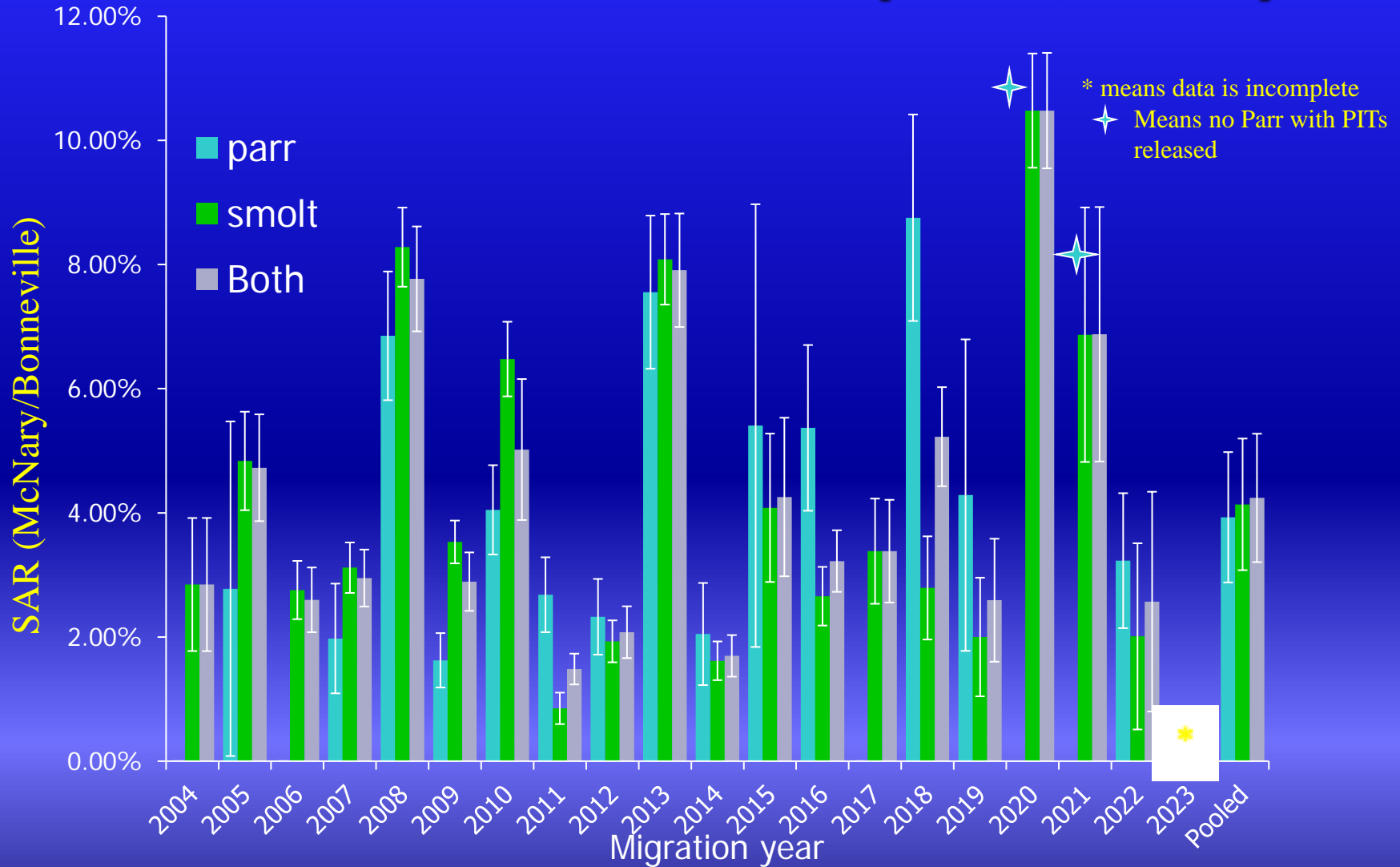
Yakima River Coho Yearly Escapement 1987-2024



Number of Adult Returns at Prosser

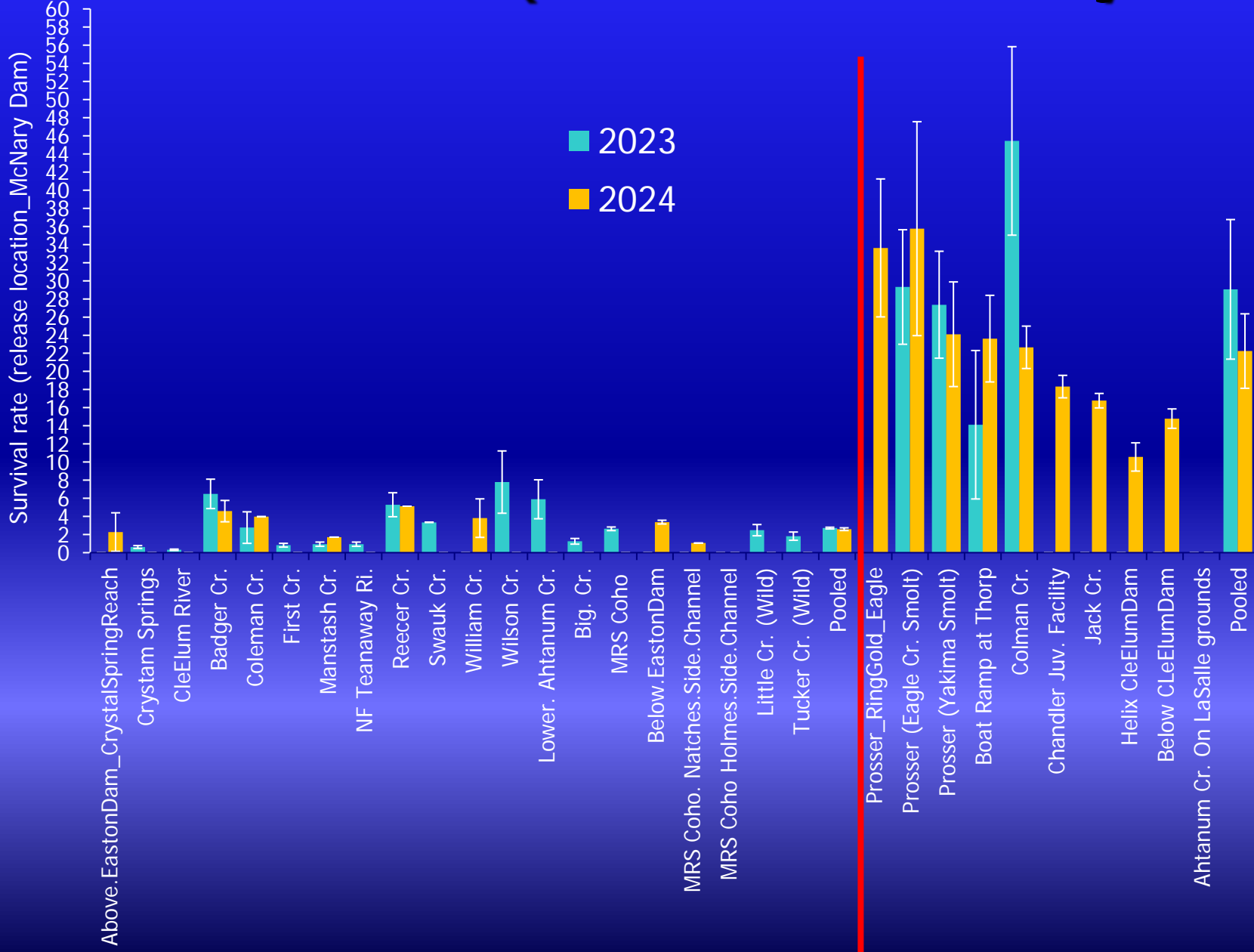


Smolt-Adult Return (McN/BON)



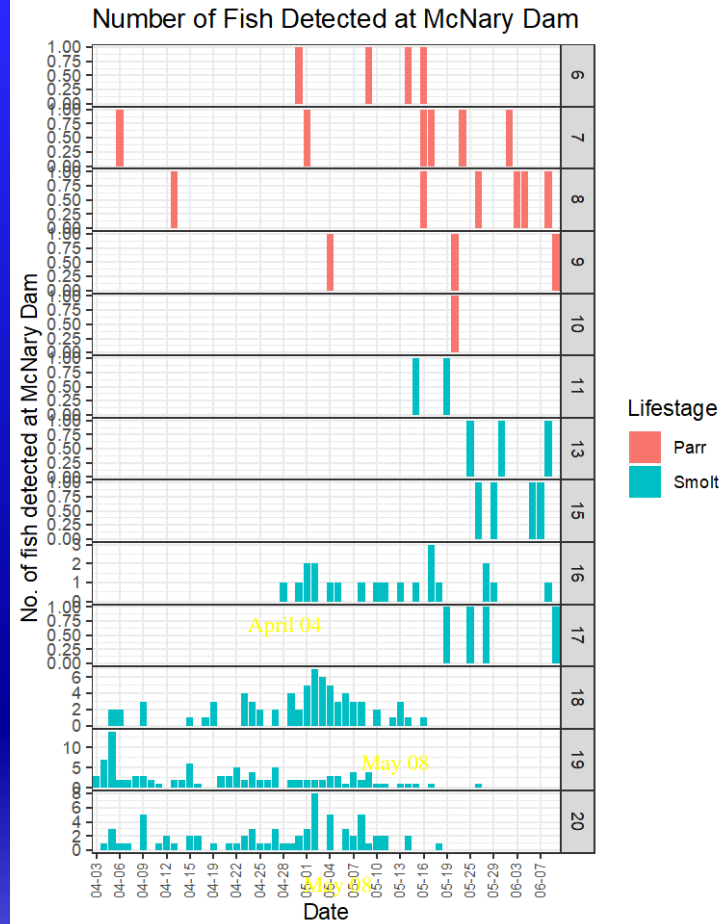
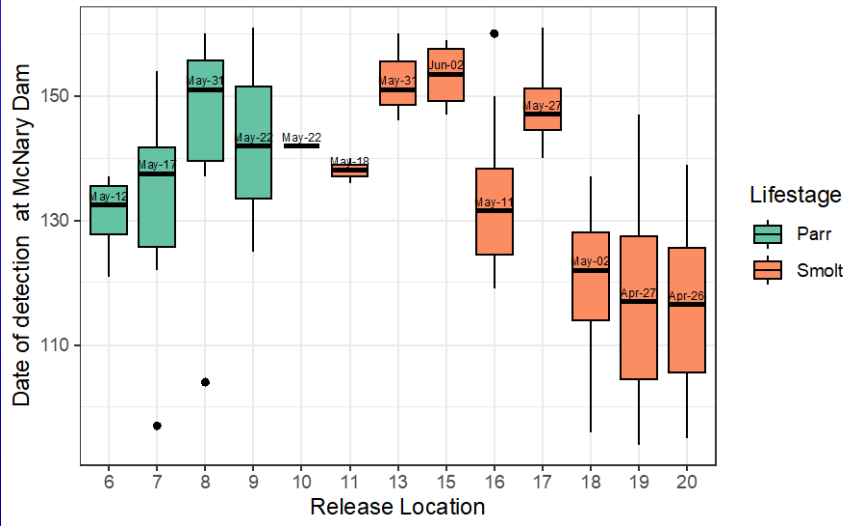
In general, SAR (McNary/Bonneville Dam) of the Parr was relatively higher than Smolt when two groups are released. Some year no Parr with PIT tags were released.

Survival rate (Release to McNary Dam)



Detection at McNary dam

Date of Detection at McNary Dam



ShortSea_Num	Lifestage	Session.Message.Value
6	Parr	MRS COHO PARR RELEASED IN BADGER CREEK, TANK 2
7	Parr	MRS COHO PARR RELEASED REECER CREEK, TANK 1
8	Parr	MRS COHO PARR RELEASED COLEMAN CREEK, TANK 2, PREVIOUSLY DTL-2023-200-CCP
9	Parr	MRS COHO PARR RELEASED NATCHES SIDE CHANNEL, TANK 2
10	Parr	MRS COHO PARR RELEASED HOLMES SIDE CHANNEL, TANK 2
11	Smolt	CHANDLER JUVENILE FACILITY TAGGING MY24
13	Smolt	MRS COHO SMOLTS RELEASED IN COLEMAN CREEK
15	Smolt	MRS COHO SMOLTS RELEASED INTO CLE ELLUM DAM HELIX
16	Smolt	MRS COHO SMOLTS RELEASED AT THORP BOAT RAMP, 136643 TOTAL RELEASE
17	Smolt	MRS COHO SMOLTS RELEASED BELOW CLE ELLUM DAM
18	Smolt	EAGLE CREEK COHO SMOLT RAISED AT PROSSER HATCHERY RELEASED NEAR PROSSER HATCHERY, 307137 TOTAL RELEASE
19	Smolt	YN COHO SMOLTS RAISED AT PROSSER HATCHERY RELEASED NEAR PROSSER HATCHERY, 468759 TOTAL RELEASE
20	Smolt	RINGOLD COHO EGGS SENT TO PROSSER HATCHERY, RAISED AT EAGLE CREEK, THEN TAGGED AND RELEASED FROM PROSSER HATCHERY AS SMOLTS, 193000 TOTAL RELEASE

The Problem

Theirs



Ours



A Solution







Naneum Creek:
Upstream (left)
and downstream
(right) end of the
reach proposed
for spawning
gravel
supplementation.



Coleman Creek:
Upstream (left)
and downstream
(right) end of the
reach proposed
for spawning
gravel
supplementation.



Reference Number: NWS-2025-325

Applicant Name: Yakama Nation Fisheries

Proposed Project: The Kittitas Valley Spawning Gravel Enhancement Pilot Project

Location: Kittitas County, WA

Sheet OF _

DATE:



Badger Creek:
Upstream of the
supplementation
reach. Conditions
are representative
of those in the
reach (left)



Lower Taneum
Creek: Upstream
view from the W
Taneum Road
Bridge (right)



Mid Taneum
Creek: Upstream
end of the reach
(left)



Upper Taneum
Creek: Upstream
view from the
bridge (right)

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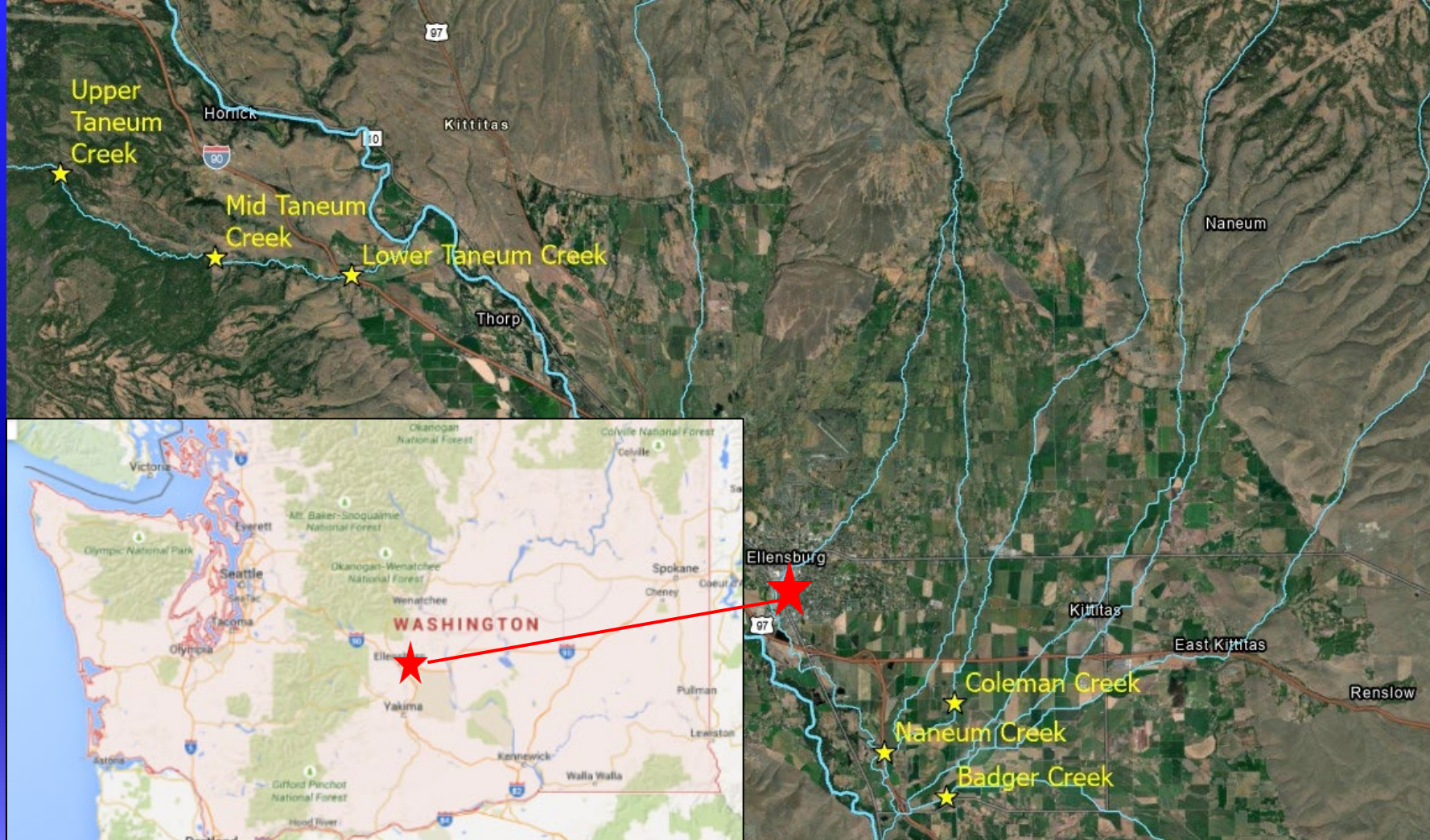
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REFERENCE: NWS-2025-325

APPLICANT: Yakama Nation Fisheries

NEAR/AT: Ellensburg

COUNTY: Kittitas **STATE:** WA

PAGE 1 OF _ DATE: _____

LOCATION: Kittitas County Parcels:

820333, 100233, 030333, 079133, 20651, 346333, 503633 for gravel placement

Badger Cr: 46.930100°, -120.482447°

Coleman Cr: 46.958259°, -120.477249°

Naneum Cr: 46.943554°, -120.506811°

Lower Taneum Cr: 47.082178°, -120.733416°

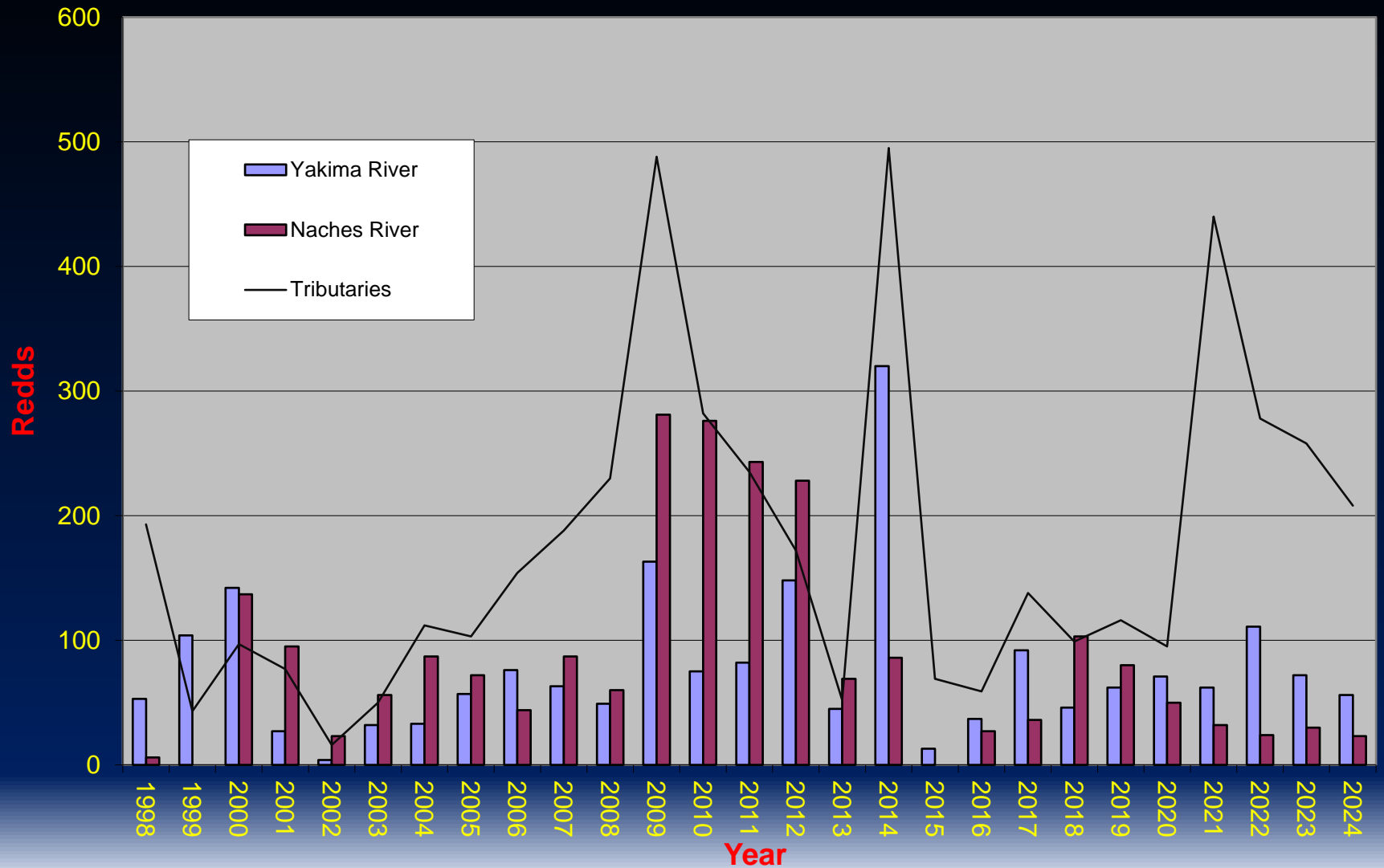
Mid Taneum Cr: 47.086982°, -120.790597°

Upper Taneum Cr: 47.111387°, -120.857205°

PROPOSED PROJECT: The Kittitas Valley Spawning Gravel Enhancement Pilot Project will place spawning gravels in four tributaries to the Upper Yakima River to increase the amount of suitable spawning habitat for native salmonids.

IN: Badger, Coleman, Naneum and Taneum Creeks

Yakima Basin Redd Counts 1998-2024



Summary

- We need more habitat
- We need better habitat
- Lower Yakima River needs to stay cooler just a bit longer!
- Parr, Smolts and Adults all remain vital to reintroduction
- Self Sustaining coho populations may be obtainable with small habitat improvements