

06-07/2014

08-09/2014

10-12/2014

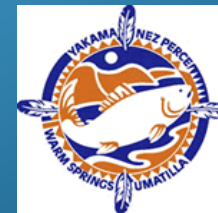
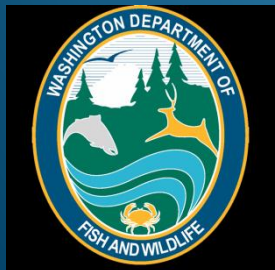
02-04/2015

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Yakama Nation: Sockeye Reintroduction Passage Update

Mark Johnston, Dave Fast, & Brian Paul Saluskin



06-07/2014

08-09/2014

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05-06/2015

SOCKEYE REINTRODUCTION

- Two donor stocks Lake Wenatchee and Lake Osoyoos
- Letter to Grant County Public Utilities District to use Adult trap at Priest Rapids Dam
- Received a transport permit from Washington Department Fish & Wildlife
- Notified all interested Agencies on our intentions
- Contacted local land owner on accessing his property to release sockeye

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SOCKEYE REINTRODUCTION

After escapement goals are reached at Bonneville Dam of 80,000 returning sockeye, a collection can begin at Priest Rapids Dam

The adult take starts at 1000 and can increase to 10,000 as the run increases the take increases per PAC approved sliding scale

Adult Take Numbers:

- 1000 in 2009
- 2500 in 2010
- 4100 in 2011
- 10,000 in 2012
- 3996 in 2013
- 10,000 in 2014

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SOCKEYE REINTRODUCTION

Bio-sampling helps determine which stock is succeeding in the project Lake Wenatchee and Lake Osoyoos, this occurs at four different times in the reintroduction:

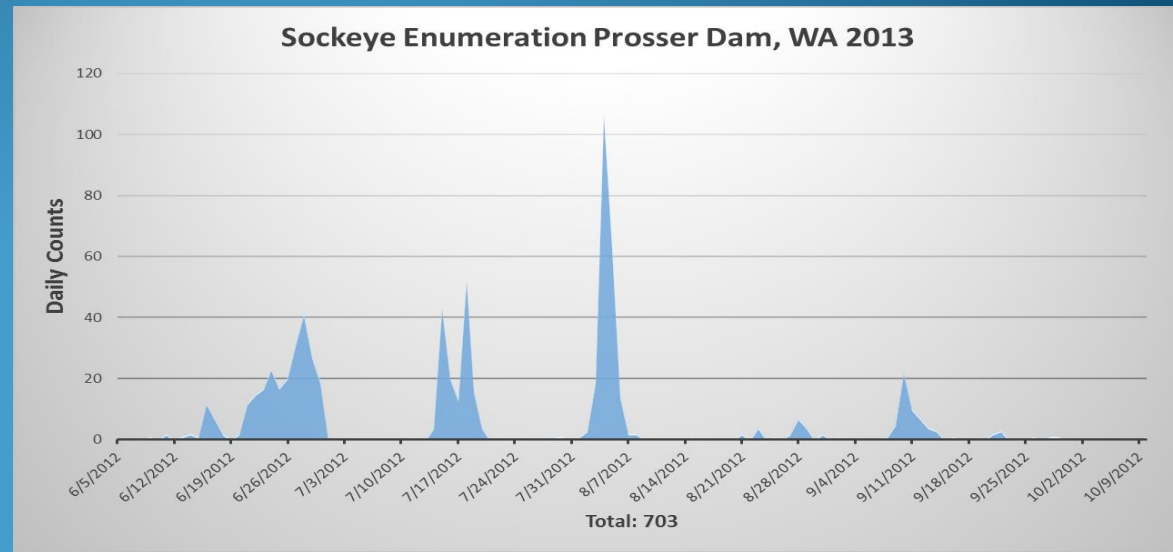
- 1.) Priest Rapids Dam adult collection
- 2.) On spawning grounds (carcass surveys)
- 3.) Smolt migration at Roza Dam and Chandler JV
- 4.) Returning adults back to the Yakima Basin

Smolt Production/Migration

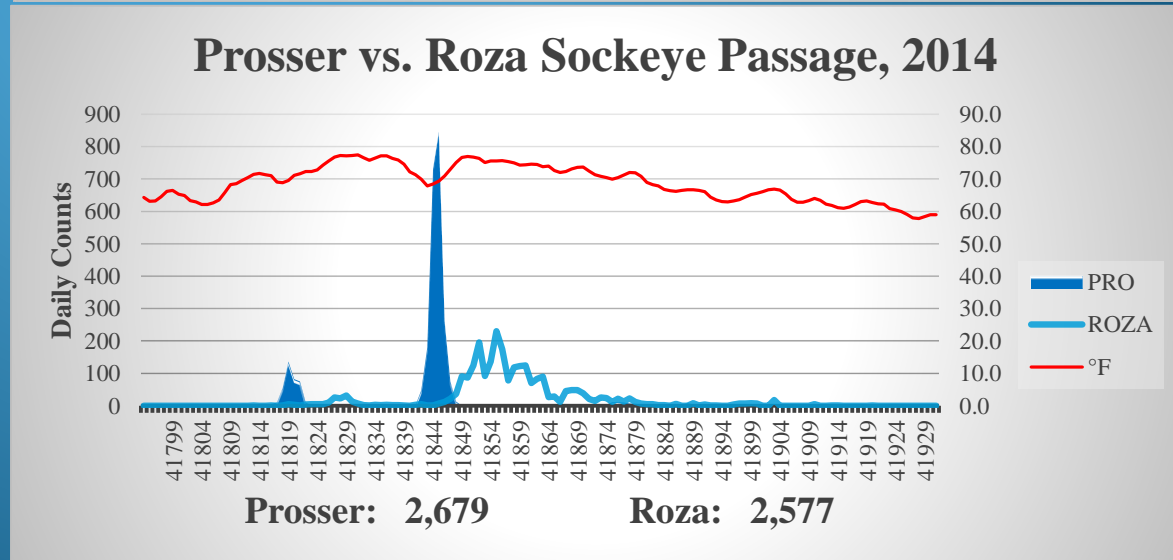
Year	Real No. Counted	Expanded Estimate
11	3850	49659
12	297	6496
13	11758	146019
14	2666	47097

FIRST RETURNS

In 2009, 1000 Adult Sockeye Reintroduced. In 2013, 703 Sockeye Returned.



In 2010, 2500 Adult Sockeye Reintroduced. In 2014, 2679 Sockeye Returned.



MACKINAW REMOVAL

- ESTABLISHED 1920
- Scientific Collectors Permit
- Mackinaw Removal Proposal
- WDFW
- 2013, 150 Removed
- 2014, 258 Removed
- Weights, Lengths and Heads for aging
- By-catch



□ Targeted 2013-14

□ New Sites 2014

□ Juvenile Nets

YN & WDFW MACK ATTACK

Google earth

06-07/2014

08-09/2014

10-12/2014

02-04/2015

05-06/2015

WHAT'S HAPPENING NOW

YN Hydro Acoustic Equipment -Sockeye smolt/fry pop counts in the lake and Mackinaw location

Genetic Sampling of the two stocks -Peter Galbreath and Andrew Matala
CRITFC

Warning Signs Made to Discourage Fishing -Work with Forest Service to notify authorities of poachers and YN Fish & Game

Yakima River Integrated Plan -YN will continue to pursue fish passage past all dams in the Yakima Basin

Still Looking For Additional Funding/Partner -Project is expanding in area and needed resource's

Mackinaw Removal Gillnet/Fish Derby -Yakama Nation & WDFW

Lake Study -YN will begin accessing all Lakes in the Yakima Basin moving forward

CREDITS

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(Yakama Nation Technicians)**

QUESTIONS?

