

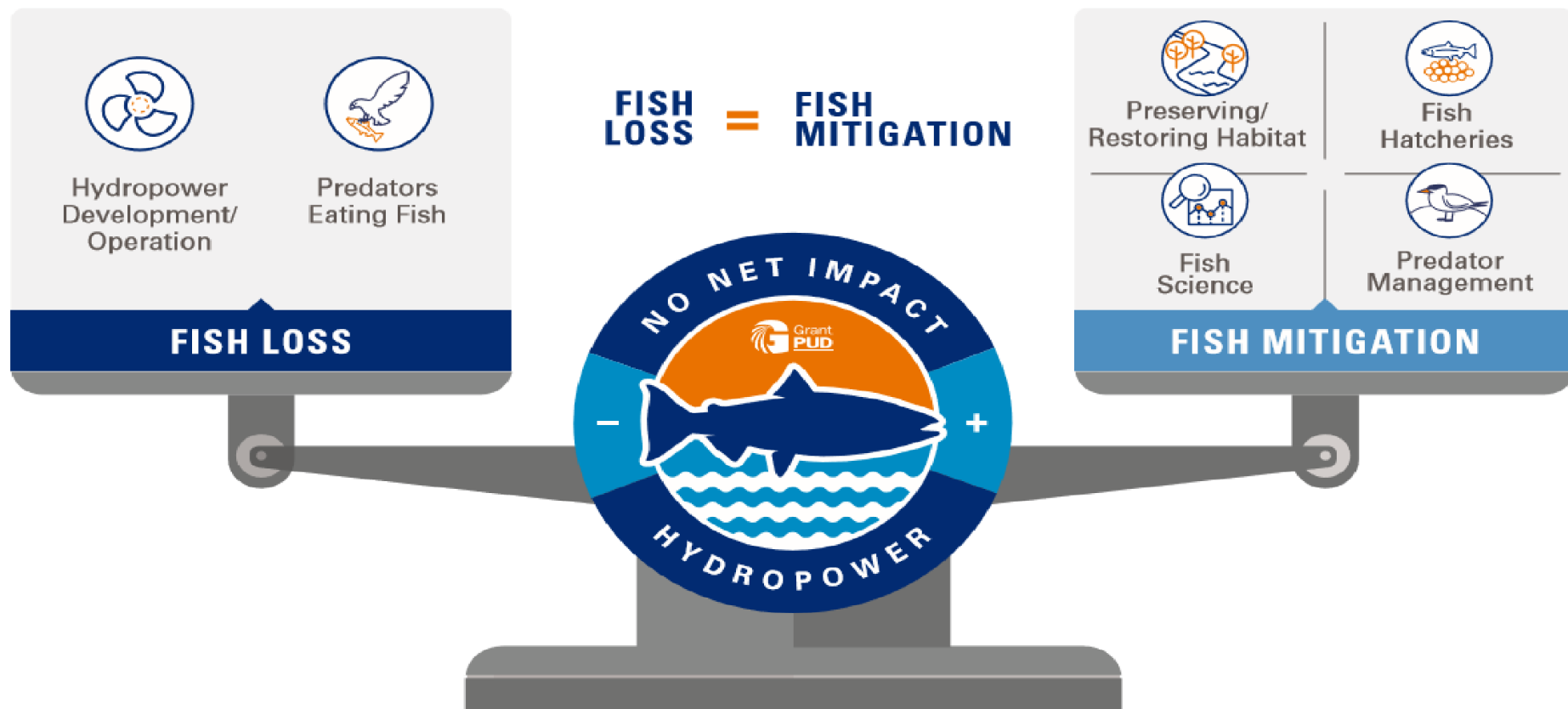


Okanagan Sockeye Reintroduction No Net Impact in Action

**2026 Upper Columbia Science Summit
January 21, 2026
Leavenworth, WA**

NO NET IMPACT HYDROPOWER

No Net Impact (NNI), an uncommonly high standard for power producers, is a standard Grant PUD achieves to make up for the losses of salmon, steelhead and Pacific lamprey that migrate through our hydropower project.



Meeting No Net Impact (NNI) for Okanagan Sockeye Salmon

- Project Survival at Rocky Reach, Rock Island, Wanapum, and Priest Rapids
- Hatchery supplementation
- Habitat restoration funding
- Adaptive management



Habitat Conservation Plans (HCPs, CPUD) Salmon & Steelhead Settlement Agreement (SSA, GPUD)

Objective of the HCPs/SSA is to achieve No Net Impact

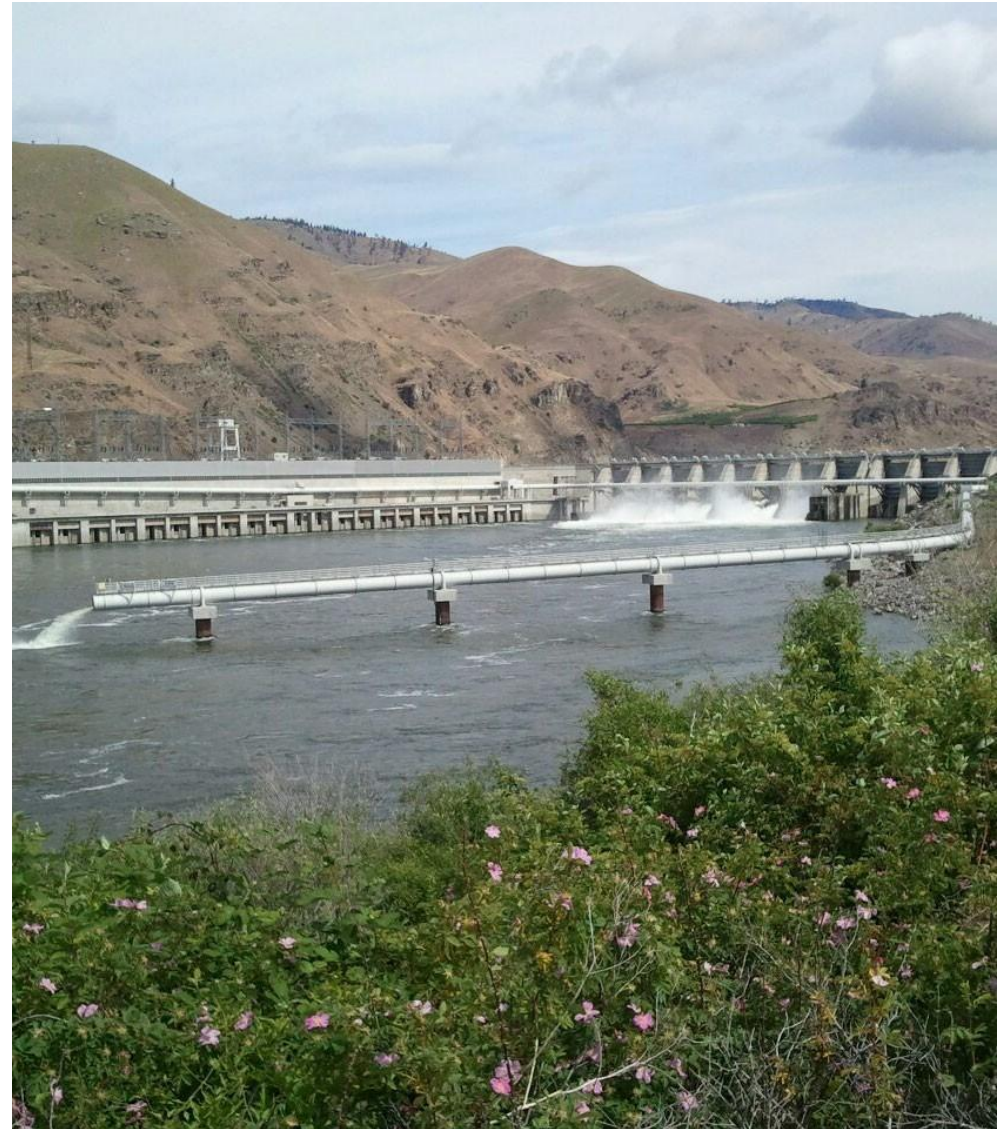
- 91% combined adult and juvenile project survival
- 7% compensation provided through hatchery programs
- 2% compensation through tributary programs



CPUD Project Survival

- Conducted juvenile survival studies at both projects between 2006-2009
- Measured survival at RR = 93.59%
- Measured survival at RI = 93.27%

Phase III Standards Achieved



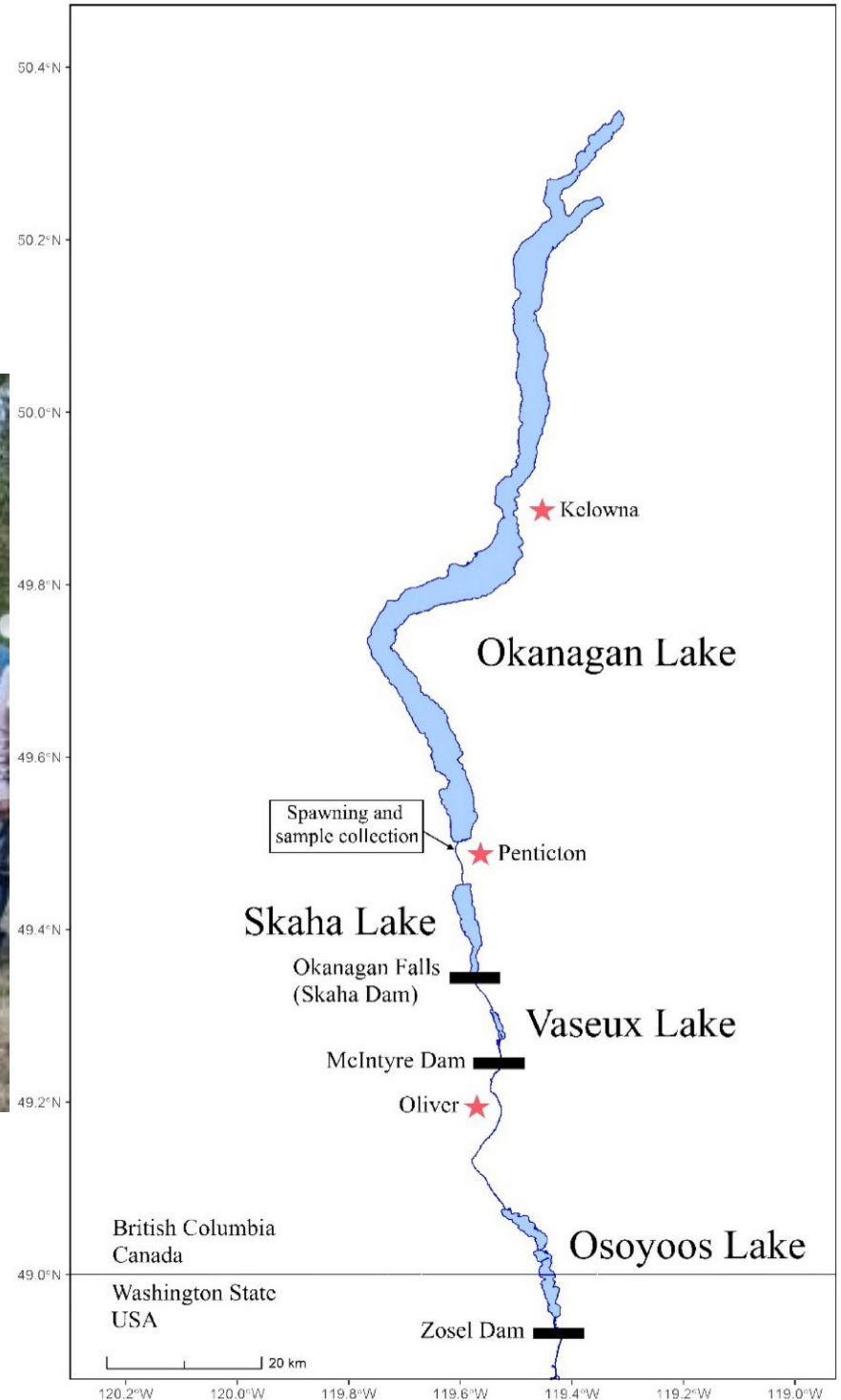
GPUD Project Survival for Sockeye

Priest Rapids Dam	
Year	Estimated Survival
2015	98.5%
2010	99.4%
2009	98.0%

Wanapum Dam	
Year	Estimated Survival
2015	97.1%
2010	98.1%
2009	99.2%

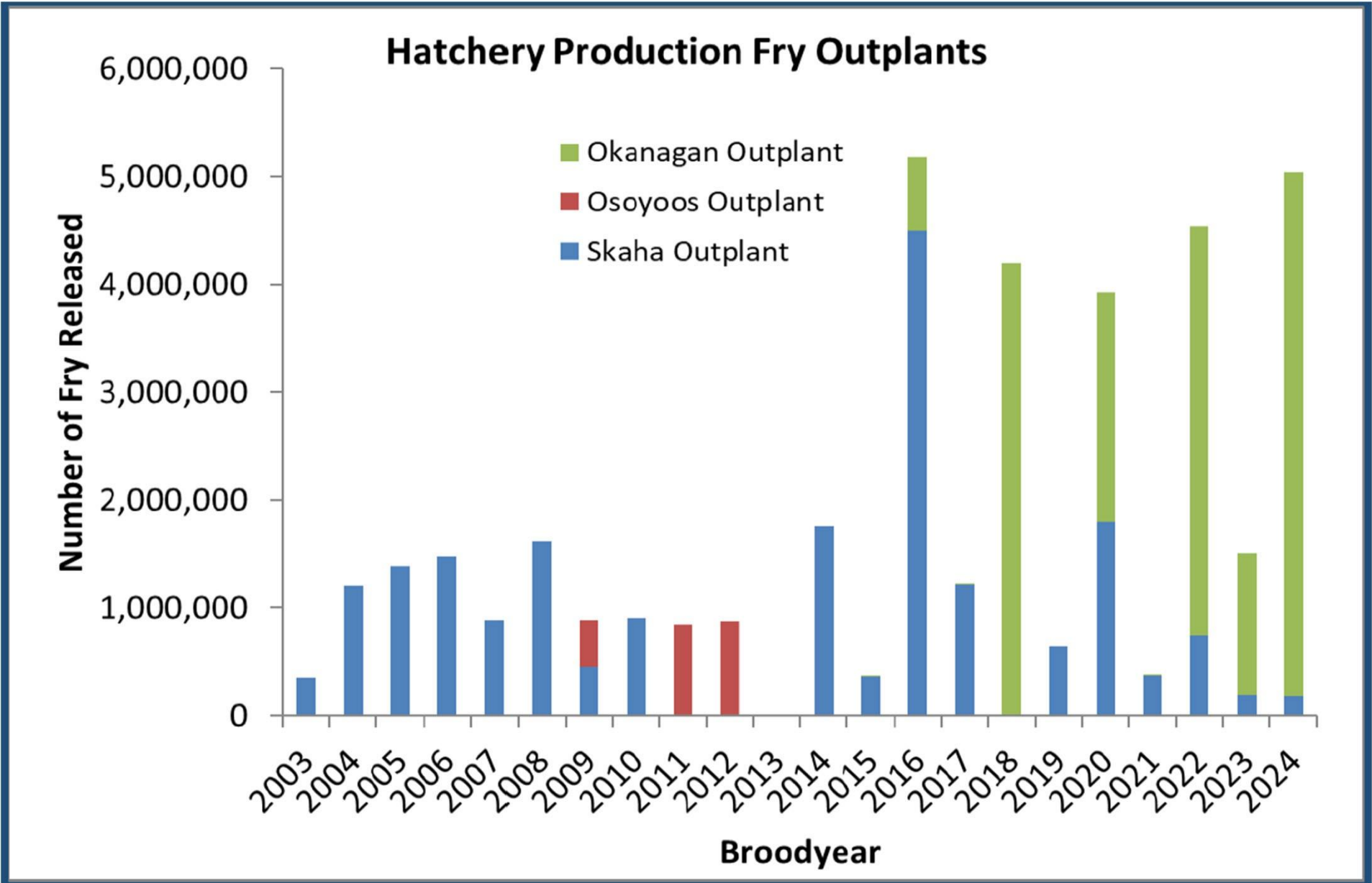
Hatchery Mitigation

kł cpəlk̓ stím Hatchery

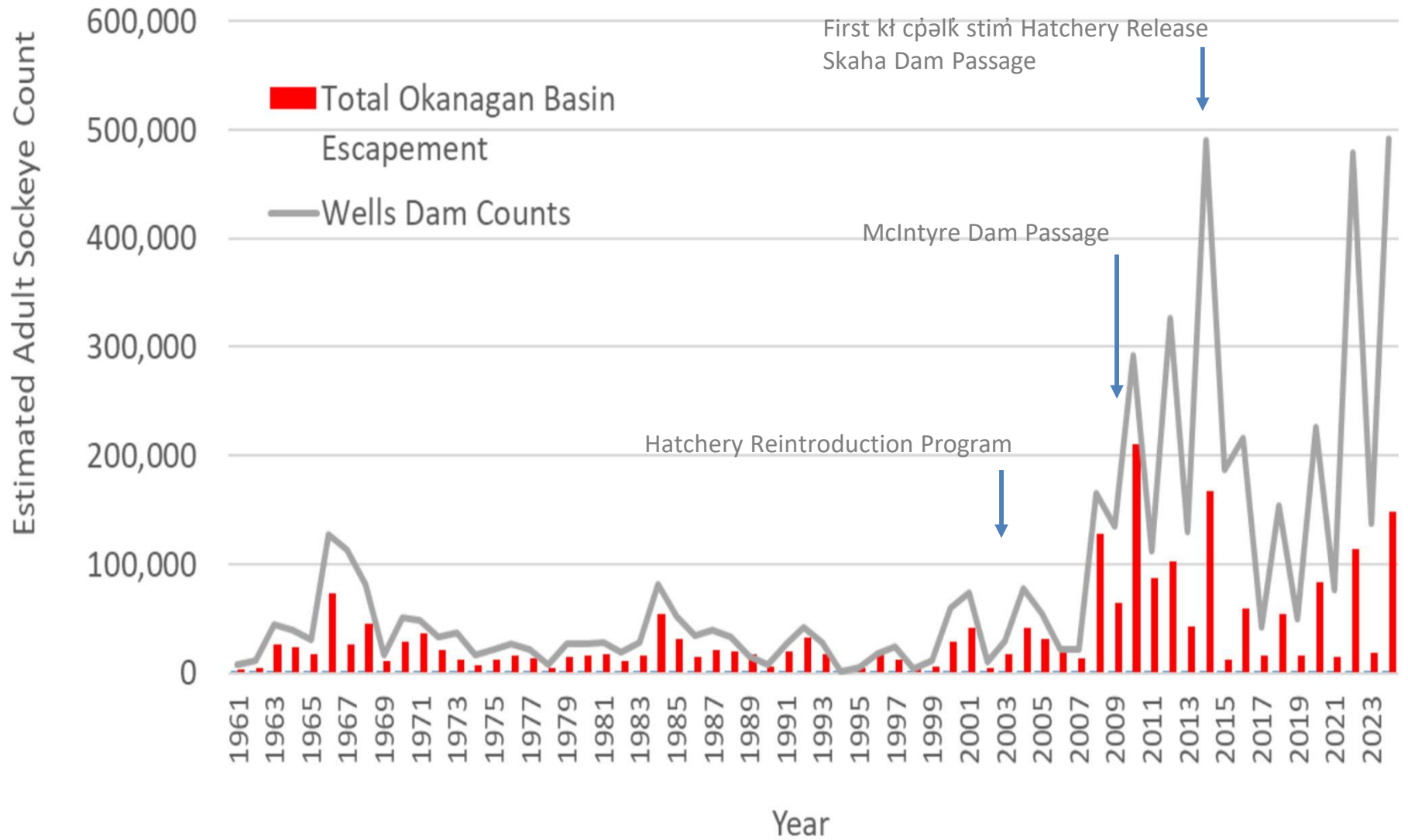


Cause to Come Back-New Hatchery in 2014





Historic Okanagan Basin Sockeye Spawning Run (1961-2024)



2024 Adult Returns to Bonneville Dam

Population	Estimate	Percent
Okanagan	565,380	74.8%
Wenatchee	180,542	23.9%
Snake	3,342	0.4%
Yakima	6,644	0.9%
Total	755,909	

- Percent of total returns Okanagan Hatchery-Origin=14.5%
- Percent of Okanagan returns Hatchery-Origin=19.4%

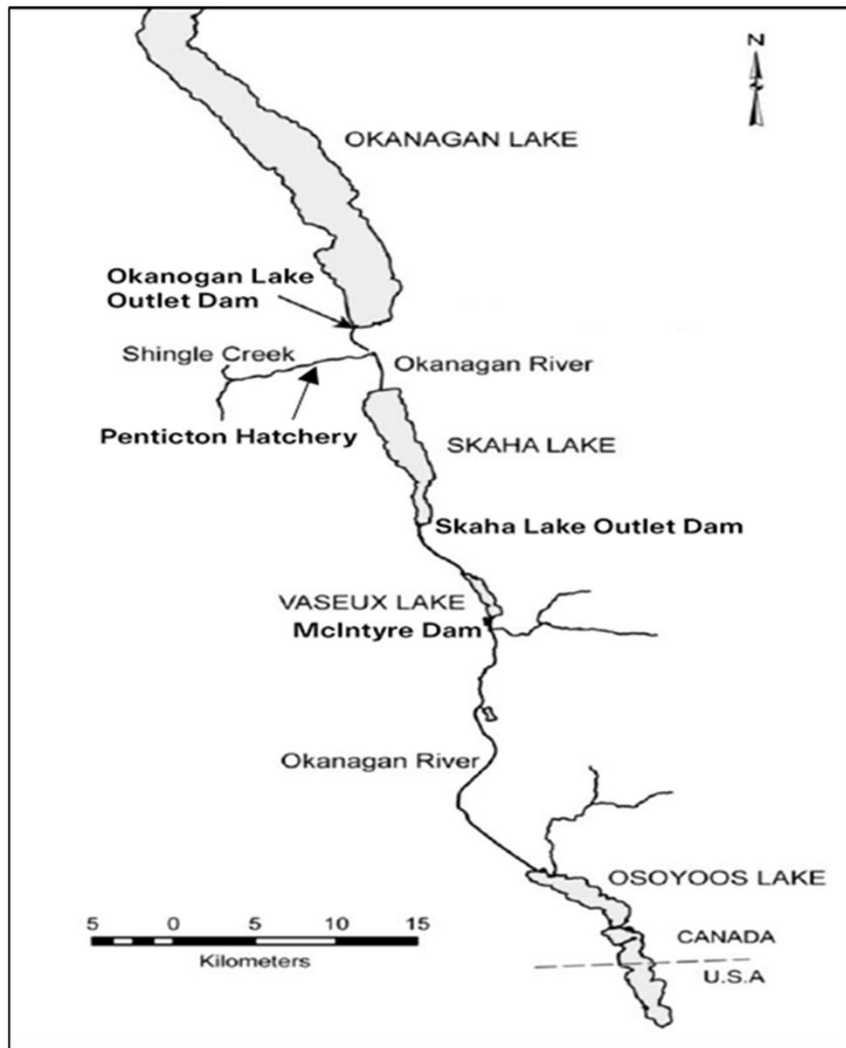
Habitat Restoration Projects

Fund	# of projects funded	Funds allocated 2005-2025
Rocky Reach	48	\$4,472,175
Rock Island	69	\$12,714,677
Total	117	\$17,186,852
NNI	43	\$19,386,293
Habitat	123	\$18,563,831
Total	166	\$37,950,124

Okanagan Lake Passage



Design and Construction



- \$2,098,834 Rock Island Tributary Fund
- \$1,643,606 PRCC HSC



Monitoring Station-Riverwatcher



Adaptive Management

- 2025 Trap & Haul at Wells Dam
- 51 females, 52 males collected
- No mortality during transport or summer holding
- 2450 fecundity (in-river fecundity 1800)
- Total eggs collected from trap and haul ~100,000
- Total egg take ~395,000
- Hatchery Rebuild
- Increase capacity to 8 million eggs



Okanagan Sockeye Salmon

- **Meeting No Net Impact:** Survival standards achieved, successful hatchery program, and funding key habitat projects.
- **Adaptive Management in Action:** Tackling challenges and driving long-term success for Okanagan Sockeye Salmon.

