

Fisheries Program Update



January 23, 2023

Topics

- Habitat Conservation Plan Implementation
Alene Underwood
- Rocky Reach Survival Study
Lance Keller
- Hatchery Program and Tributary Fund
Catherine Willard

Habitat Conservation Plans

Collaborative Approach to ESA Protection

- 50-year agreements (2054)
- No surprises clause
- Unanimous decision-making
- Adaptive approach and using best available science to achieve no-net impact for salmon and steelhead



CHELAN COUNTY



Habitat Conservation Plans

Objective of the HCPs is to achieve No Net Impact (NNI)

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



HCP Project Confirmation Studies

- HCP Survival Study requirements
- Gold standard achieved for spring Plan Species
 - Rocky Reach: 2004-2011
 - Rock Island: 2003-2006 (20% spill), 2007-2010 (10% spill)
- Rock Island Confirmation Survival Study completed successfully in 2021

Rocky Reach Confirmation Study

- HCP Coordinating Committee selected yearling Chinook as the representative species
- One year evaluation of combined adult and juvenile survival
 - Results $\geq 91\%$: no further spring studies until 2033
 - Results $\leq 91\%$: additional year of testing required but still maintain phase designation

Rocky Reach Confirmation Study Schedule

Activity	Time Period
Detection equipment installation and tag site setup	February to mid-April
Conduct study	Mid-April through May
Preliminary results available	July/August

Not to exceed budget for the 2023
RR study is \$1.4M

Hatchery Production

- HCP requirement is to provide funding and capacity
- Up to 7% compensation for unavoidable project mortality
 - Recalculated every 10 years

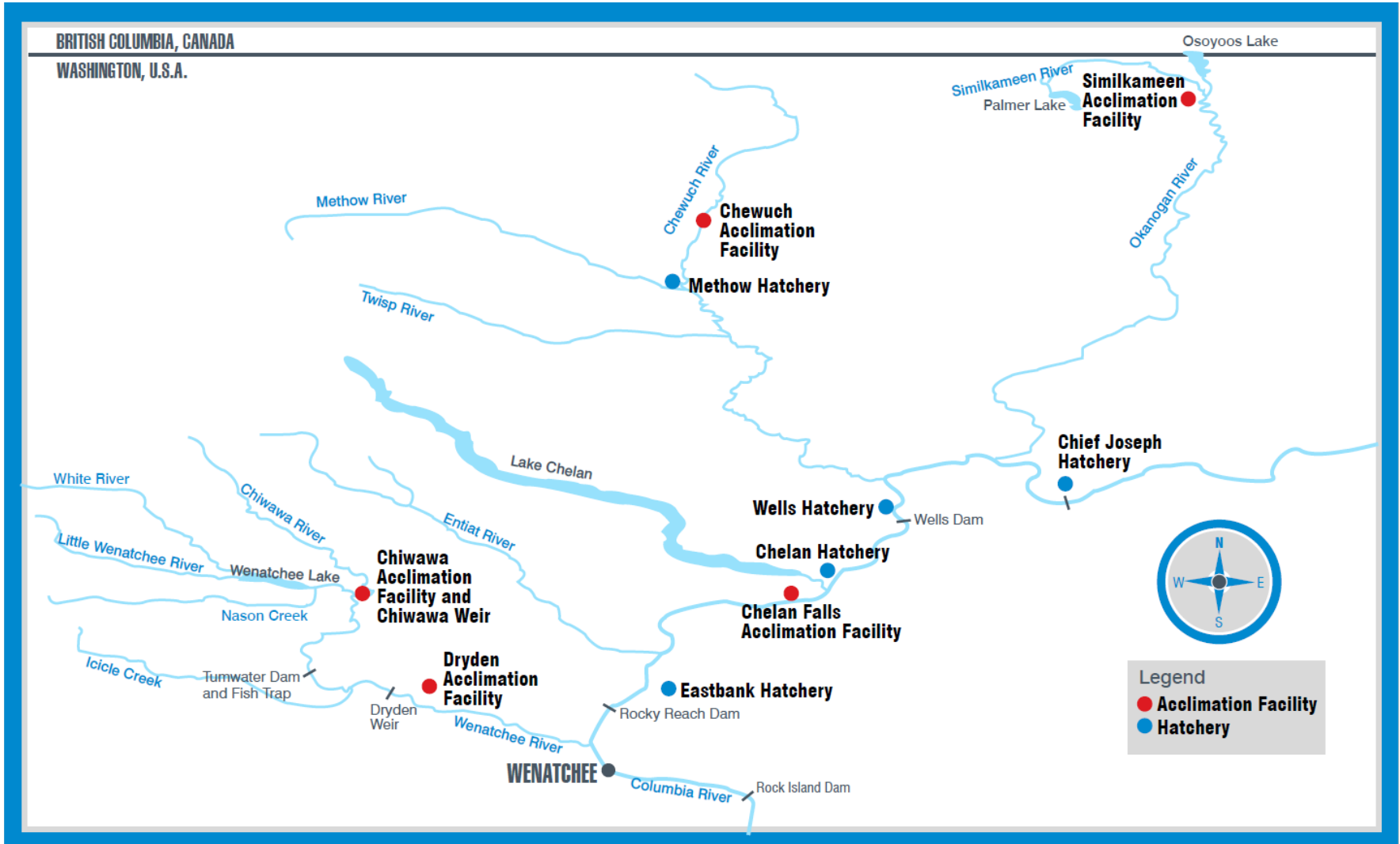


Hatchery Production

		Smolt Production Targets		
Species	Facility	2004	2014	2024
Spring Chinook	Chiwawa	298,000	144,026	144,000
	Methow	90,000	60,516	61,000
	Chief Joseph	NA	Funding agreement	
Summer Chinook	Chelan Falls	400,000	400,000	400,000
	Chelan Falls	200,000	176,000	135,283
	Dryden	864,000	318,000	293,776
	Chief Joseph	NA	Funding agreement and O&M of Similkameen	
Steelhead	Chiwawa	165,000	165,000	165,000
	Chiwawa	235,000	88,300	70,490
Coho	NA	NA	Funding agreement with Yakama Nation	
Lake Wenatchee Sockeye	NA	50,000	46,000*	43,652*
Okanagan Sockeye	Penticton Hatchery	Funding agreement		

*Calculated sockeye production was traded for other species production.

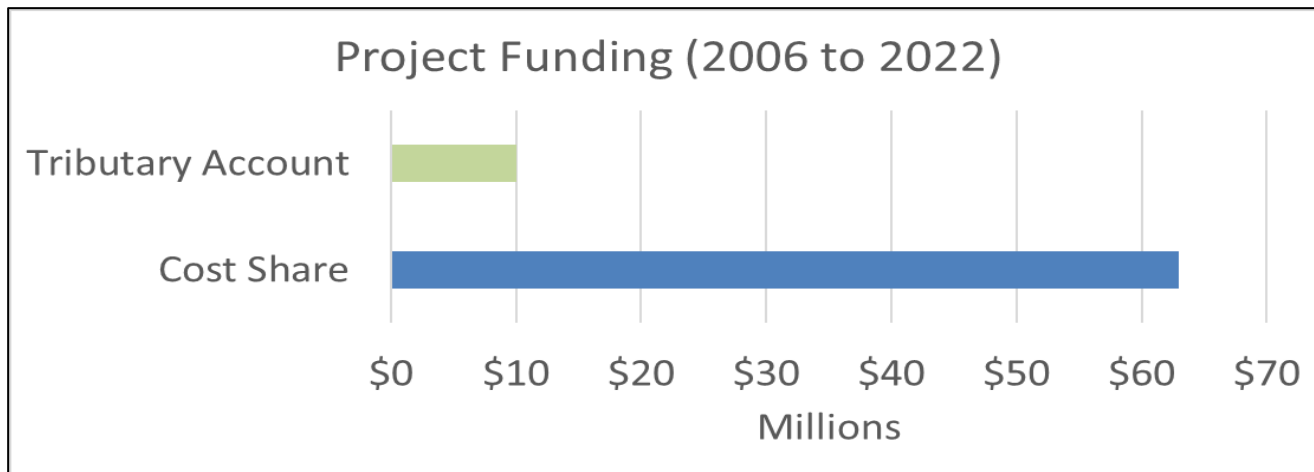
Hatchery Facilities



Tributary Committees and Plan Species Funds

- Plan Species Fund
 - 2% unavoidable project mortality

RR Tributary Fund		RI Tributary Fund	
RR Balance 2022	\$3,711,335	RI Balance 2022	\$6,901,462
2022 Contribution	\$405,007	2022 Contribution	\$855,132



HCP TC 2022 Funded Projects

Project Name	Location	Sponsor	Total Project Cost	Tributary Committee (TC) Contribution
Peshastin Creek RM 2.5 Project	Peshastin Creek	Cascade Fisheries	\$132,825	\$118,825
Entiat Tributary Baseflow and Habitat Restoration	Entiat River	Chelan County Natural Resource Department	\$410,765	\$188,945
Goose Creek Watershed Restoration	Goose Creek	Cascade Fisheries	\$506,500	\$255,500
Goodwin Side Channel Design	Wenatchee River	Cascade Fisheries	\$150,000	\$60,000
Level II Surveys in Priority UC AUs	Wenatchee, Entiat, and Methow Rivers	Chelan County Natural Resource Department	\$179,465	\$53,840
TOTAL:			\$1,379,555	\$677,110

A close-up, top-down view of a large group of koi fish in a pond. The fish are densely packed, showing a variety of colors including bright orange, red, yellow, and green. The water is slightly rippled, and the overall scene is vibrant and busy. The text "Questions or Comments?" is centered over the image in a white, bold, sans-serif font.

Questions or Comments?