

2022 Aquatic Habitat Program Updates

Cowlitz Annual Program Review
and Science Conference

August 22, 2023

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Overview

- Cowlitz Restoration and Recovery Program
- Wood Placement
- Gravel Augmentation



Cowlitz Restoration and Recovery Program

- CRR Fund established in 2008 (SA Article 3), \$15M in lieu of volitional passage
- CRR Program planned with Fisheries Technical Committee (FTC)
- CRR Program launched in 2019 following FERC Order approving abandoning volitional passage
- FTC approves all expenditures

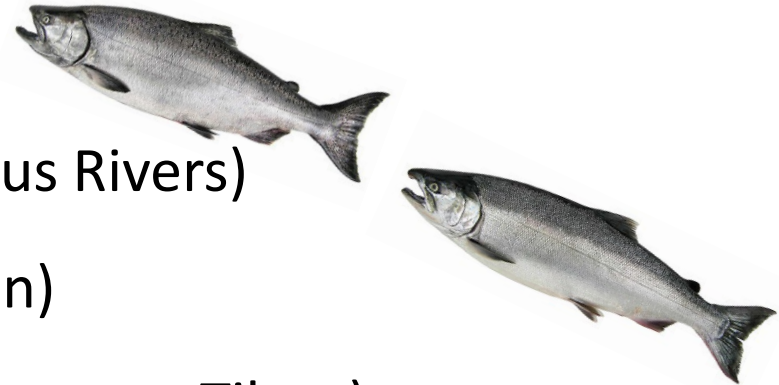


Cowlitz Restoration and Recovery Program

Purpose: Use the CRR Fund to protect and promote restoration and recovery of upper Cowlitz River basin salmonid populations listed under the Federal Endangered Species Act.

Focus species/populations:

- Spring Chinook (Upper Cowlitz/Cispus Rivers)
- Coho (Upper Cowlitz/Cispus or Tilton)
- Winter steelhead (Upper Cowlitz/Cispus or Tilton)
- Fall Chinook (Upper Cowlitz Basin)



Cowlitz Restoration and Recovery Program

- Implemented by Tacoma Power in coordination with stakeholder partners (e.g., Lower Columbia Fish Recovery Board (LCFRB) and WDFW)
- Overseen by FTC
- Project types
 - Habitat restoration and protection
 - Hatchery-associated production (HAP) projects



Cowlitz Restoration and Recovery Program

- Approach adopted by the FTC:
 - competitive grant rounds
 - Habitat projects: integrated with the Salmon Recovery Funding Board (SRFB) grant round, run by the Lower Columbia Fish Recovery Board (LCFRB).
 - HAP projects: similar process to the SRFB, run by Tacoma Power.



Cowlitz Restoration and Recovery Program

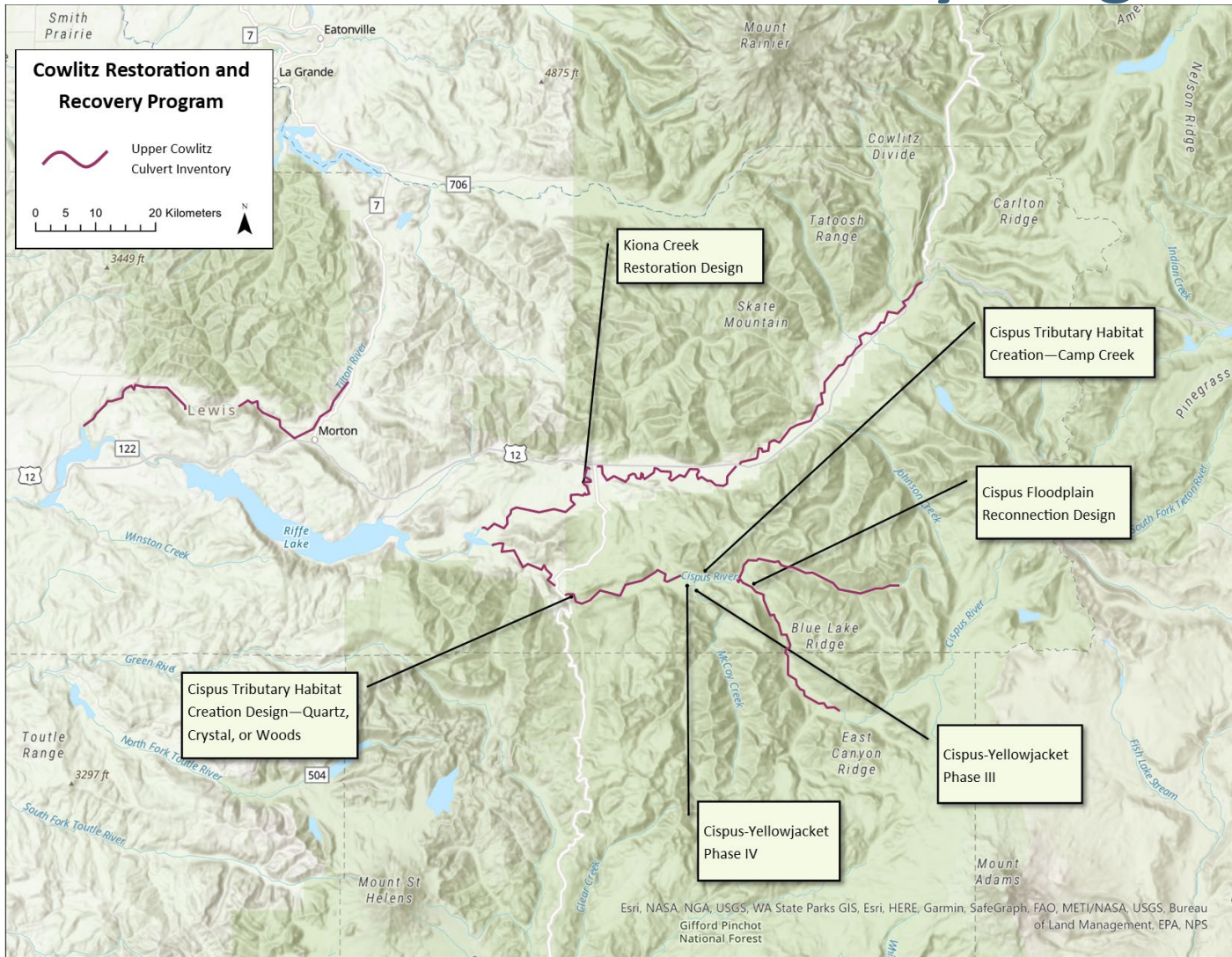
- 2022 Activities
 - 2022 Habitat Grant Round (LCFRB)
 - HAP program development
(FTC subgroup: Tacoma Power, WDFW, Ecology)
 - Administration: (Tacoma Power, LCFRB)
- 2022 Outcomes
 - FTC awarded ~\$2.7M for 4 projects
 - Design and construction progress anticipated for 2023
 - 2023 Grant Rounds for Habitat and HAP



Cowlitz Restoration and Recovery Program

Award Year	Project Name	Sponsor	CRR Request	Total Project Cost
2019	Cispus-Yellowjacket Phase III Restoration	Cowlitz Indian Tribe	\$ 593,677	\$ 1,739,992
2021	Cispus Floodplain Reconnection Design	Cowlitz Indian Tribe	\$ 194,200	\$ 194,200
2022	Upper Cowlitz Culvert Inventory	Lewis Conservation District	\$ 134,820	\$ 134,820
2022	Creating Habitat on Cispus Tributaries	Cascade Forest Conservancy	\$ 138,355	\$ 838,387
2022	Kiona Creek Restoration Design	Lewis County PUD	\$ 70,071	\$ 140,141
2022	Cispus-Yellowjacket Phase IV Restoration	Cowlitz Indian Tribe	\$ 2,457,184	\$ 3,469,260
		Total Awards	\$ 3,588,307	\$ 6,516,800

Cowlitz Restoration and Recovery Program



Large Wood Placement (SA 9)

- Large wood collected from reservoirs and stockpiled
- Annual placement of at least 600 lineal feet at bar upstream of Blue Creek boat launch
- Wood placed in August 2022



Gravel Placement (SA 10)

- Annual placement of 500 cubic yards of spawning gravel
- Downstream from Barrier Dam
- Locations:
 - Through 2017, right bank
 - 2017-2020, suspended
 - 2021 and 2022, left bank
- 2022: Placed 794 cubic yards



Gravel Augmentation (SA 10)

	Required (yds ³)		Placed (yds ³)		Balance
	Annual	Running	Annual	Running	
2006-2012	3,500	3,500	3,500	3,500	0
2013	500	4,000	0	3,500	-500
2014	500	4,500	0	3,500	-1,000
2015	500	5,000	1,000	4,500	-500
2016	500	5,500	1,000	5,500	0
2017	500	6,000	0	5,500	-500
2018	500	6,500	0	5,500	-1,000
2019	500	7,000	0	5,500	-1,500
2020	500	7,500	0	5,500	-2,000
2021	500	8,000	1,193	6,693	-1,307
2022	500	8,500	794	7,487	-1,013

Gravel Placement (SA 10)

- Formalized placement approach going forward with FTC
- Catch up by 2025
- Substantial progress toward filing an update (Supplement)





Any Questions?