

<b>Project Name</b>	2021 Annual Project Review – Hatchery Production
<b>Date Proposal Submitted</b>	9/28/2021
<b>Date of Requested Decision</b>	10/05/2021
<b>Requested By</b>	Eric Shoblom
<b>Date of Decision</b>	10/05/2021

**FTC Decision and Justification**

Tacoma Power held a public meeting with FTC attendance on June 23<sup>rd</sup>, 2021 as part of the APR process as required in the 2020 FHMP Update.

**Members Present:** FTC members present represented WDFW, Ecology, and Tacoma Power. This Decision document will be circulated to FTC members not present and become final on 10/13 if no objections are received.

**Proposed Decision or Consideration**

The 2021 Cowlitz Complex hatchery program size is recommended to be adopted as proposed below. The program sizes remain largely unchanged since 2015. This program is consistent with the Settlement Agreement and 2020 FHMP.

Species	Before 2011 FHMP Update	2017 APR Goal	2018 APR Goal	2019 APR Goal	2020 APR Goal	2021 APR Goal
<b>Fall Chinook</b>	4,800,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
<b>Spring Chinook</b>	959,800	1,738,529	1,738,529	1,738,529	1,738,529	1,738,529
<b>Coho</b>	2,835,000	2,178,000	2,178,000	2,178,000	2,178,000	2,178,000
<b>Winter Steelhead</b>	690,000	647,000	647,000	647,000	647,000	647,000
<b>Summer Steelhead</b>	550,000	625,000	650,000	650,000	650,000	650,000
<b>Cutthroat</b>	160,000	100,599	100,599	100,599	100,599	100,599

**Background**

Annually, the Cowlitz Hatchery Complex program size is determined through the Annual Project Review (APR) process as described in the 2020 Fisheries and Hatchery Management Plan Update (FHMP).

The 2021 Annual Project Review was based on data inputs from WDFW and Tacoma Power. The Cowlitz FTC reviewed the hatchery programs and gained additional information through discussions with the Public.

The 2021 Annual Project Review held a virtual, public meeting on Thursday, May 19, 2021. Comments were received at the meeting and incorporated into the implementation strategy for the year as captured in the table below. These modifications were presented to the public in a second, virtual public meeting held on June 23, 2021.

<b>Population</b>	<b>Recommended Considerations from FHMP</b>	<b>FTC Recommendation</b>	<b>Reason for Recommendation</b>
<i>Fall Chinook</i>	<i>Increase max transport to Tilton above 1,600</i>	<i>Do not proceed in 2021</i>	<i>Control hatchery influence on NORs</i>
<i>Fall Chinook</i>	<i>Evaluate Current Net Pen Strategy in Mayfield</i>	<i>Bioprogram and evaluate benefit of shift to Coho</i>	<i>Potential benefits to capacity and fish health</i>
<i>Spring Chinook, Coho, Winter Steelhead</i>	<i>Modify Adult Hatchery Release Strategy upstream from Cowlitz Falls</i>	<b>Spring Chinook and Coho</b> – 25% Cispus; 25% Upper Cowlitz; 50% Scanewa <b>Winter Steelhead</b> – 50% Cispus; 50% Upper Cowlitz	<i>Distribution across tributaries for opportunity and seeding. Lake plant for opportunity and self-sorting</i>
<i>Coho</i>	<i>Increase max HORs transported above 25K</i>	<i>Proceed up to 40K</i>	<i>Increased opportunity and abundance building</i>

<i>Coho</i>	<i>Increase max HORs to Tilton above 6K</i>	<i>Proceed up to 12K</i>	<i>Increased opportunity and abundance building</i>
<i>Winter Steelhead</i>	<i>Consider moving to a segregated program in Lower Cowlitz Subbasin</i>	<i>Being addressed in Transition Plan to also include early run timing.</i>	<i>Increased opportunity</i>
<i>Winter Steelhead</i>	<i>pHOS management strategy at Blue Creek including harvest management or barriers</i>	<i>Continue to provide harvest opportunity; split Blue Creek from pHOS calc.</i>	<i>Blue Creek pHOS drives increases in estimates of hatchery influence</i>
<i>Summer Steelhead</i>	<i>Consider increased recycling in Lower Cowlitz</i>	<i>Up to 6,600 and earlier in 2021 and extend window from 8/15 until 8/31</i>	<i>Increased opportunity</i>

**Coordination Need**

Annually the WDFW completes the brood document in early August. Tacoma, WDFW and the Cowlitz FTC will accommodate changing program needs and limitations due to actual adult returns and other limitations.

**Summary of Potential Impacts**

The annual hatchery program has remained relatively stable for the past several years and continues to remain stable in the 2021 APR production program. Potential deviations from the program sizes described above may result from lower-than-expected adult returns.