

2022 Cowlitz River Annual Program Review (APR)

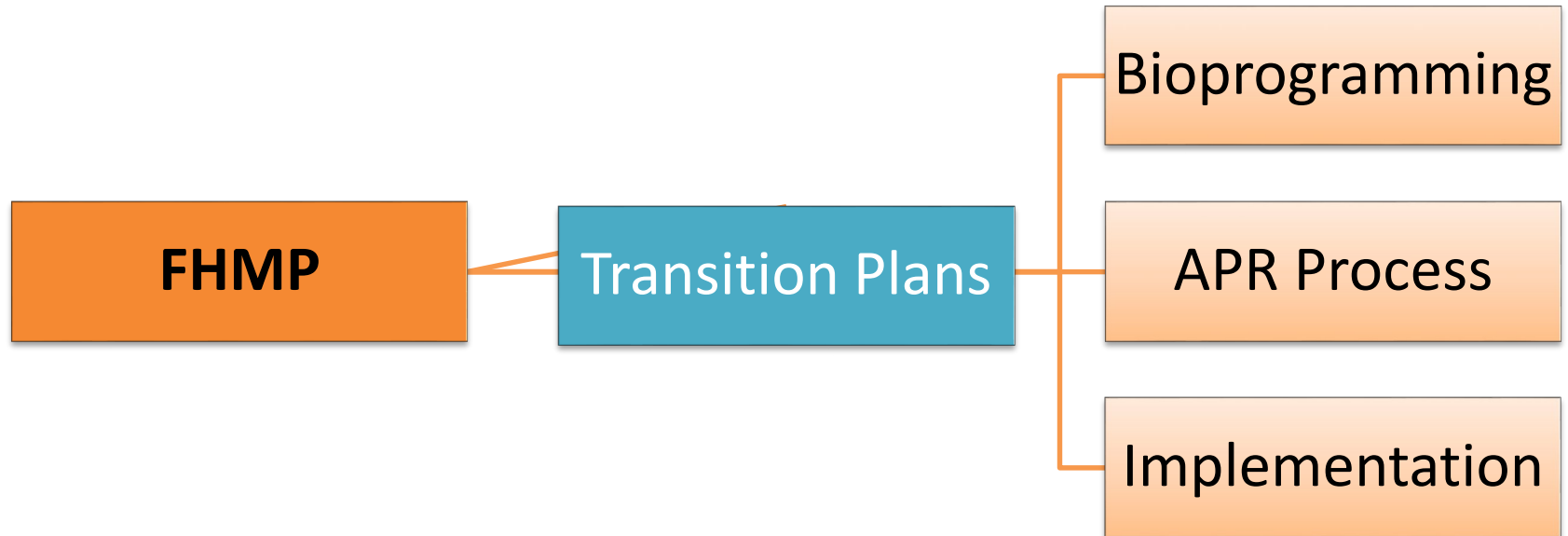
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6/1/2022

Overview

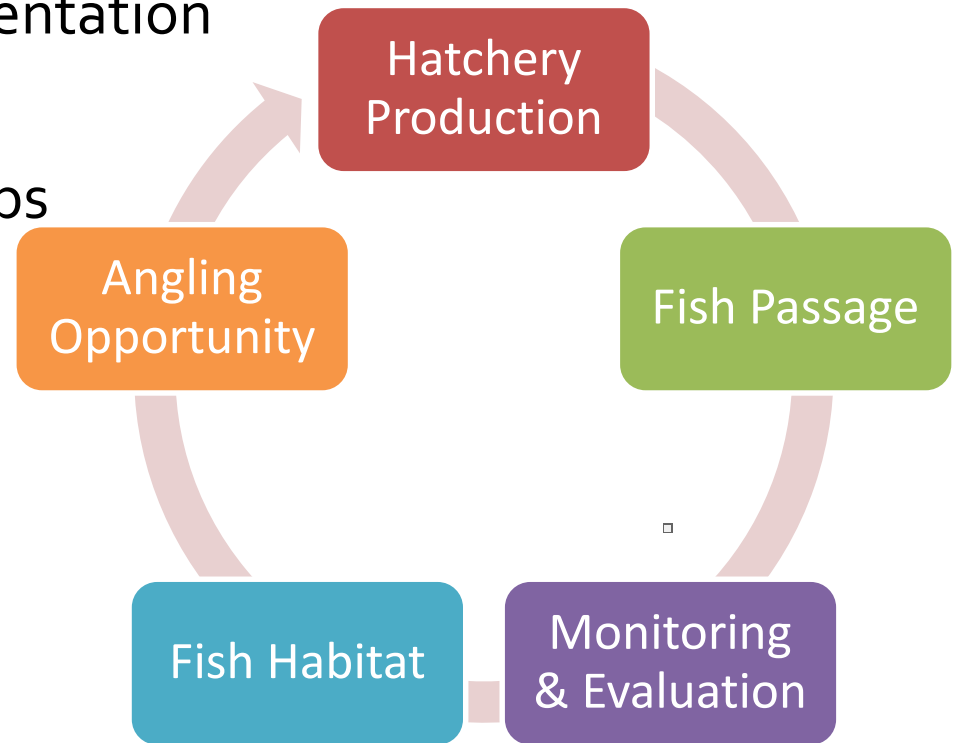


What is in the FHMP

- **History of Cowlitz**
 - How did we get here
 - Why this work is important
- **Recent History of Each population and program**
 - Trends
 - Current Programs and Why
- **Concepts for Next Phase**
 - Recovery
 - Harvest

Transition Plans

- Called for in Fisheries and Hatchery Management Plan (FHMP)
- Detail transition / implementation
- Include public feedback
- Establish clear relationships



Annual Program Review (APR)

What is it?

- Fish Production Plan

Why should you care?

- Sets number of fish reared and released and other important actions



Chinook



Steelhead



Coho

Annual Program Review

- Intent – develop population management strategy for the coming season
- Steps
 - Update Key Metrics
 - Update Status and Trends
 - Annual Program Review – Set Annual Management Targets
 - Annual Operating Plan

Recent History

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

FHMP Transition Plans

What have we done so far?

- Increased summer steelhead recycling cap to 6600 adults (from 3300)
- Improved Lower River Fall Chinook abundance estimates
- Advanced brood collection of Lower Winter Steelhead
- Improved Spring Chinook rearing strategies



Winter Steelhead

- Earlier harvest opportunity
- Rebalance programs



	Current	Transition	Difference
Lower Cowlitz Winters	478,500	308,500	-170,000
Tilton Winters	48,000	100,000	52,000
Upper Cowlitz Winters:	118,000	236,000	118,000
Total:	644,500	644,500	0

Fall Chinook

- Improved monitoring
- One integrated program
- Marking at Mayfield
- Retain existing full program onsite (3.5 M)
- Improve rearing conditions within hatchery



Coho

- One integrated program
- Shift tagging to Mayfield
- Maintain current program (2.178M)



—Possible pilot net pen program

Spring Chinook

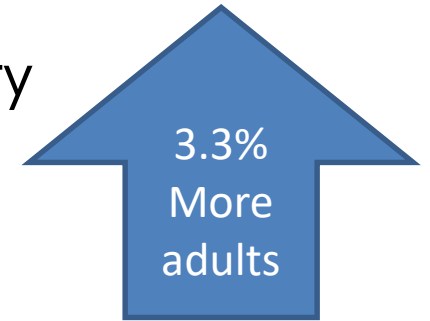
- Improve SAR's
- SAR analysis
 - Bigger is better
 - Portfolio for resiliency
 - Extend release dates



Spring Chinook - continued

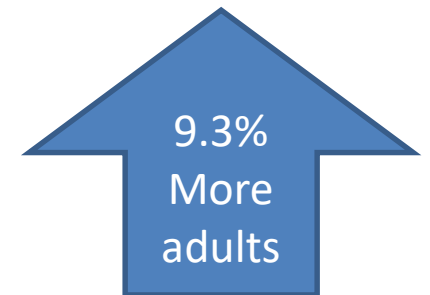
- **Option 1:**

- Poundage neutral - No rebalancing necessary
- Shifts the fall release from 16fpp to 12fpp
- Rebalances/adds 5's and reduces the 8's



- **Option 2: (pending funding approval)**

- Increases pounds
- Increases 5fpp group
- Requires rebalancing
 - 1 year coho net pen pilot
 - Rebalance across multiple programs



Summer Steelhead & Cutthroat

- Summer Steelhead
 - No Transition Plan developed as no changes recommended
 - Maintain 650k program



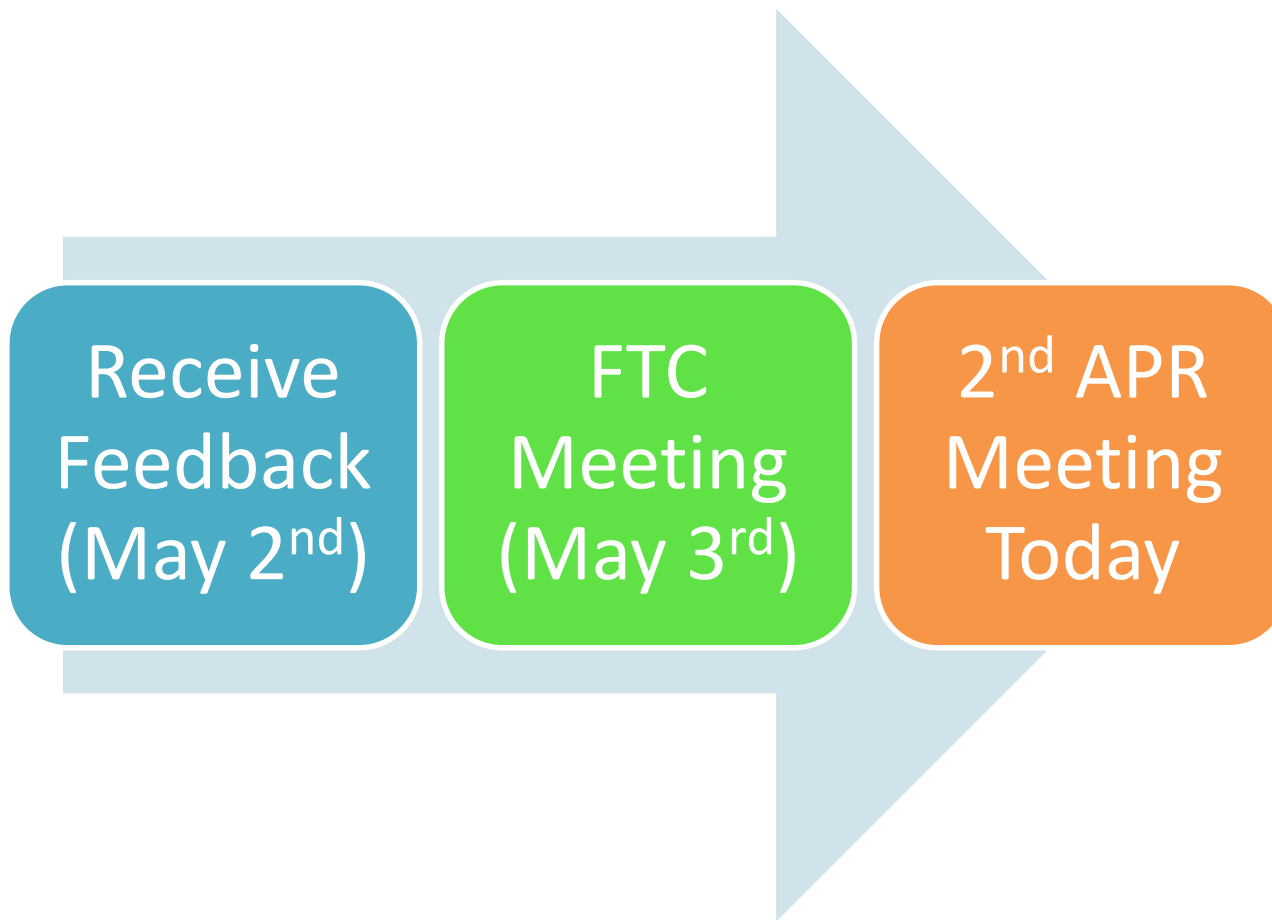
- Cutthroat Trout
 - No Transition Plan developed as no changes recommended
 - Maintain 100,599 program



2022 Hatchery Production Plan

Species	Before 2011 FHMP Update	2018 APR Goal	2019 APR Goal	2020 APR Goal	2021 APR Goal	2022 APR Goal
Fall Chinook	4,800,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
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Next Steps



What we heard

Preference for Option 1:

- **Net Pens**

Suggestion to Reduce Fall Chinook Program

Plan for 22/23

- **Tacoma to seek funding**

- **1 year net pen pilot**

Fall Chinook Program will be explored with broader stakeholder audience

Public Comment

