



# Coquille River Fall Chinook Conservation Hatchery Program Modification

## Exhibit D

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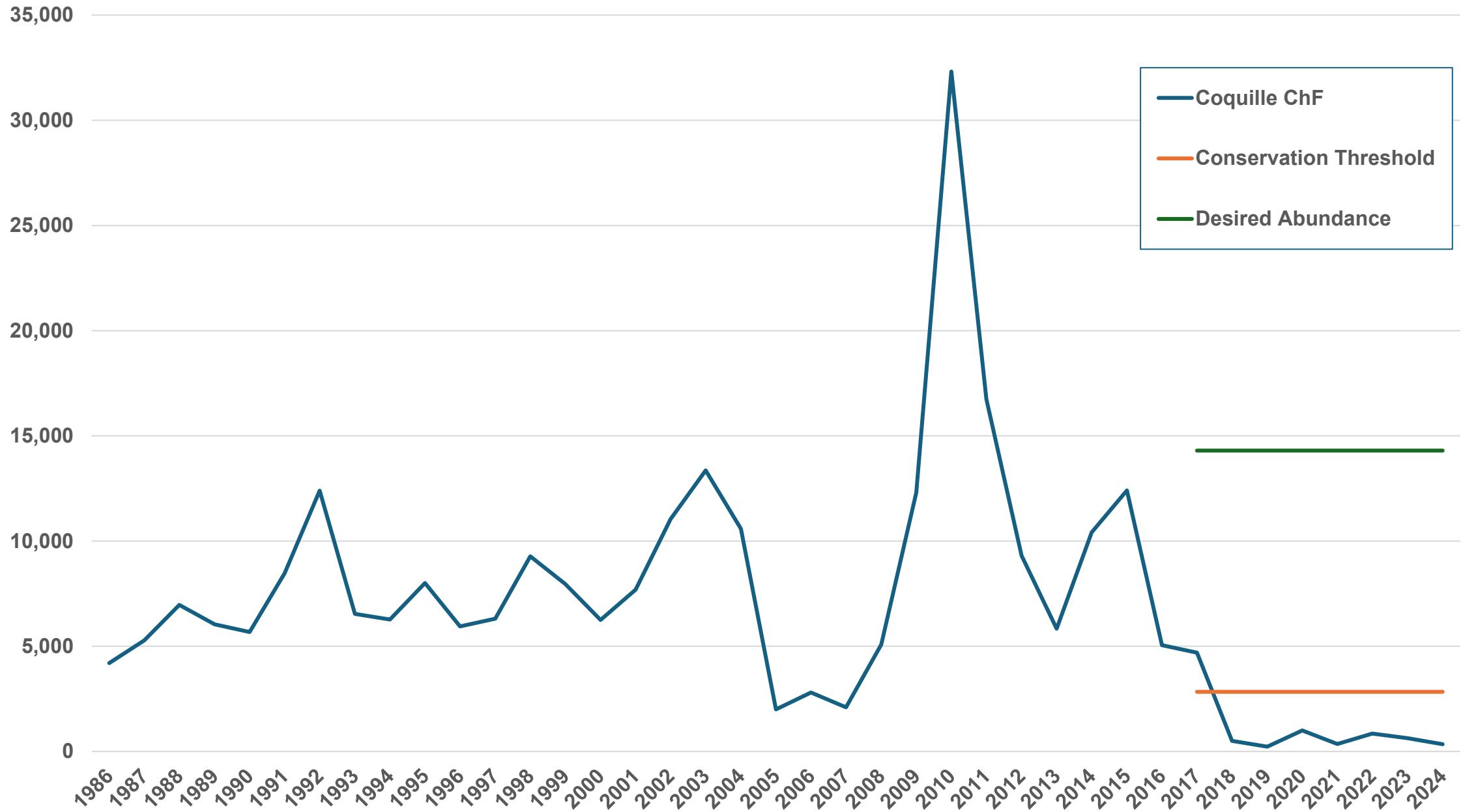


Oregon Department  
of Fish and Wildlife





# Coquille Wild Fall Chinook Escapement 1986-2024



# Limiting Factors

Per ODFW assessment in 2020:

- Smallmouth Bass
- Striped Bass
- Environmental Factors/Warming Trends



# Management Actions

- Smallmouth bass suppression
- Harvest restrictions
- Habitat restoration
- Expanded water temperature monitoring
- Conservation hatchery program (2022)



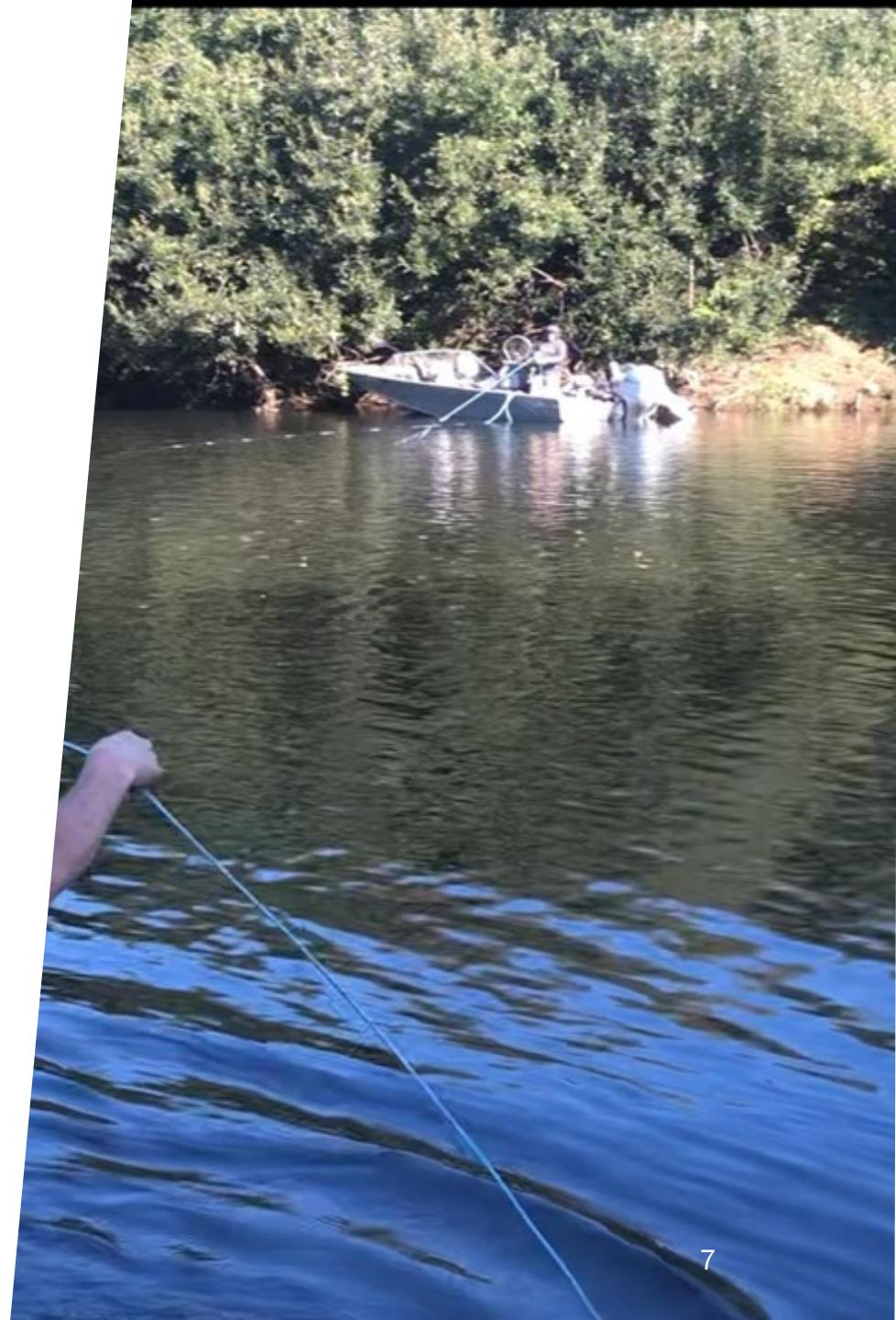
# Conservation Hatchery Program Goals

- Prevent extirpation.
- Conserve genetic diversity.
- Increase abundance.



# **Conservation Hatchery Program – approved by Commission in 2022**

- Wild broodstock.
- Approval of up 100K smolts.
- 100% marking of smolts.
- Spawning practices to maximize genetic diversity.
- Release of smolts in upper basin.
- Smolt size to minimize predation.



# Difficulty collecting wild origin Broodstock

	Collected		
Brood Year	Wild Males	Wild Female	Wild Jacks
2022	7	2	0
2023	16	18	3
2024	16	2	1
2025	5	2	1



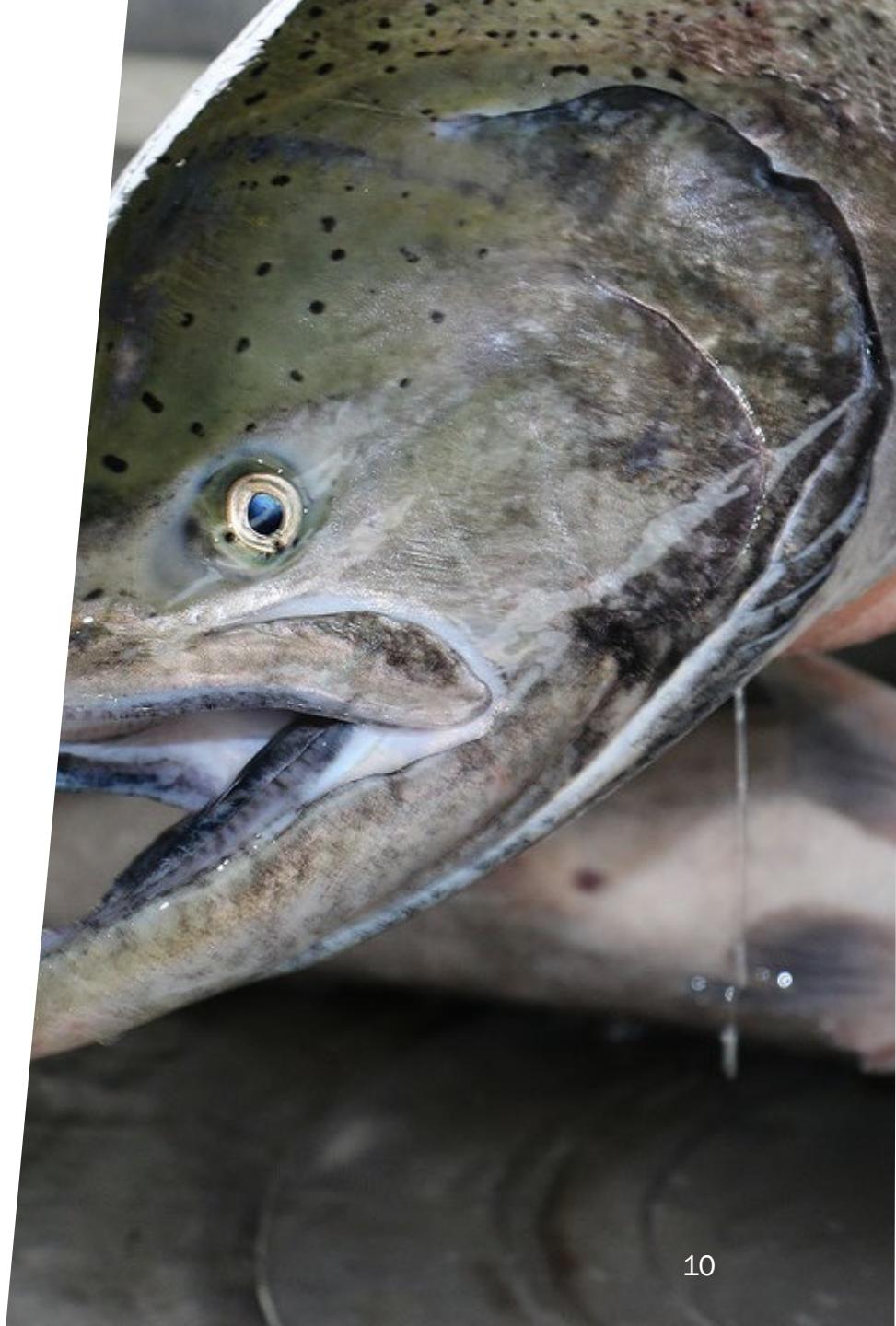
# Smolt Release History

Release Year	Smolt Release
2023	1,557
2024	45,876
2025	5,667
2026	*5,800



# Current Program Challenges

- Not enough returning wild fish for brood.
- Future program monitoring concerns.
- Not meeting abundance threshold.



# Recommendation

Approve ability to incorporate hatchery origin brood:

- More readily available.
- Genetic analysis indicated no differentiation between hatchery and wild.

Still incorporate wild brood when possible.



## **Adaptative management consistent with:**

- Fish Hatchery Management Policy
- Coastal Multi Species Conservation and Management Plan
- 2022 Commission Approval

# Draft Motion

I move to approve ODFW including hatchery origin broodstock as part of the Coquille Fall Chinook Conservation Hatchery Program.

