

Cowlitz 2021 Annual Review Fish Hatcheries

Cowlitz River Annual Program Review
and Science Conference

May 19, 2021

Eric Shoblom

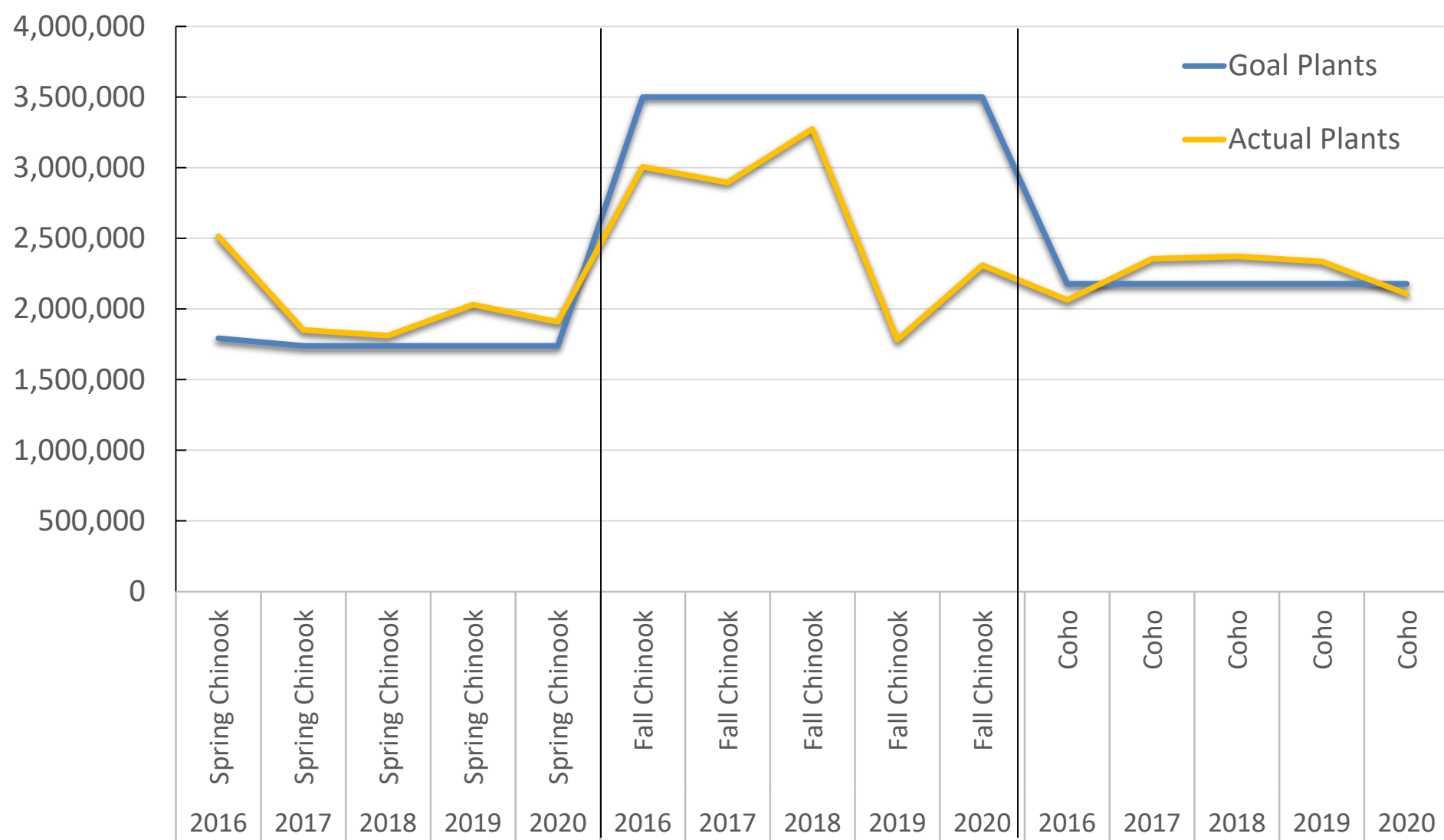
Cowlitz Fish Facilities Manager

Overview

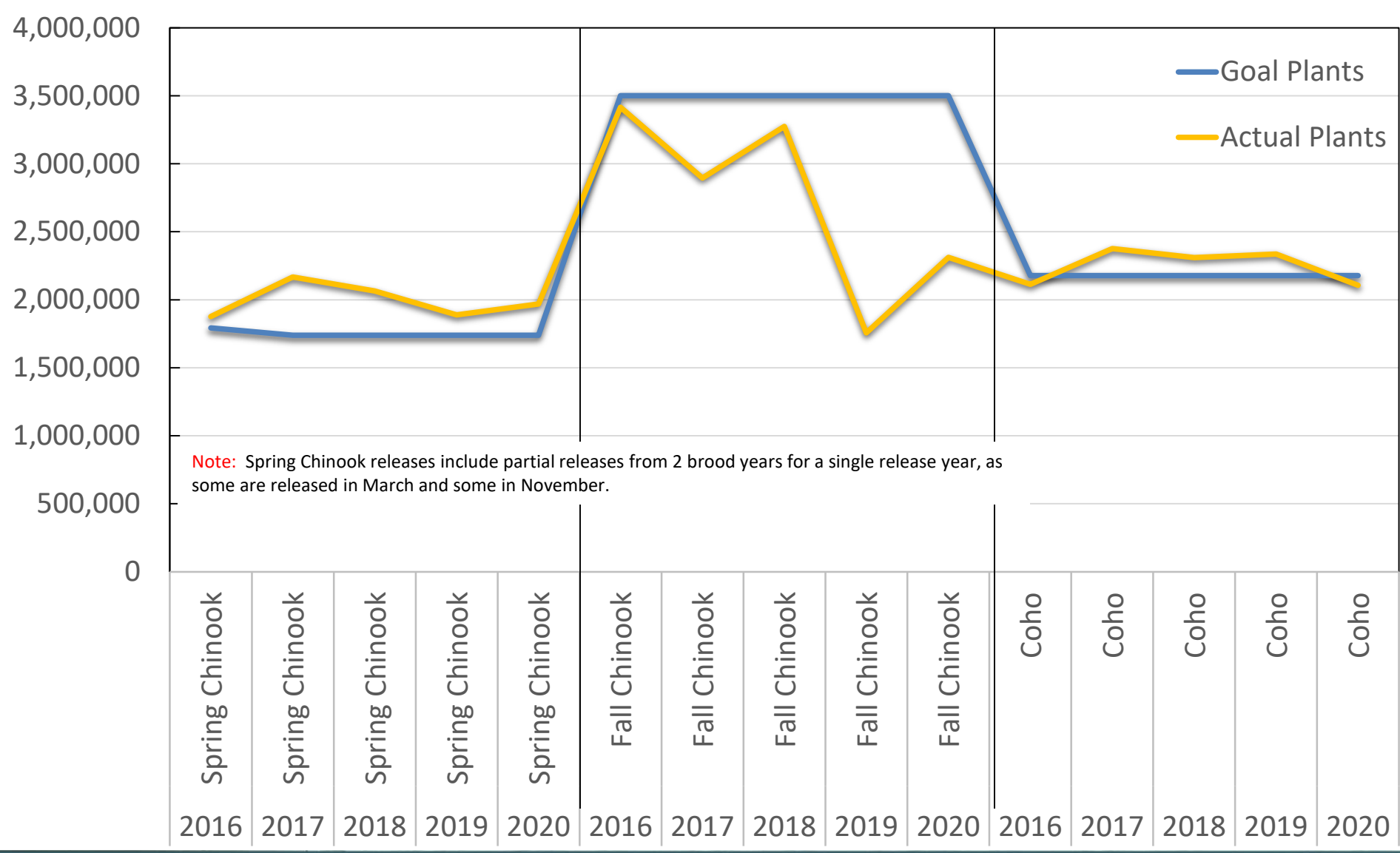
- Hatchery performance
 - Production goals vs. actuals
- Recent Successes
- Program Considerations
- General Updates
 - *As time permits*



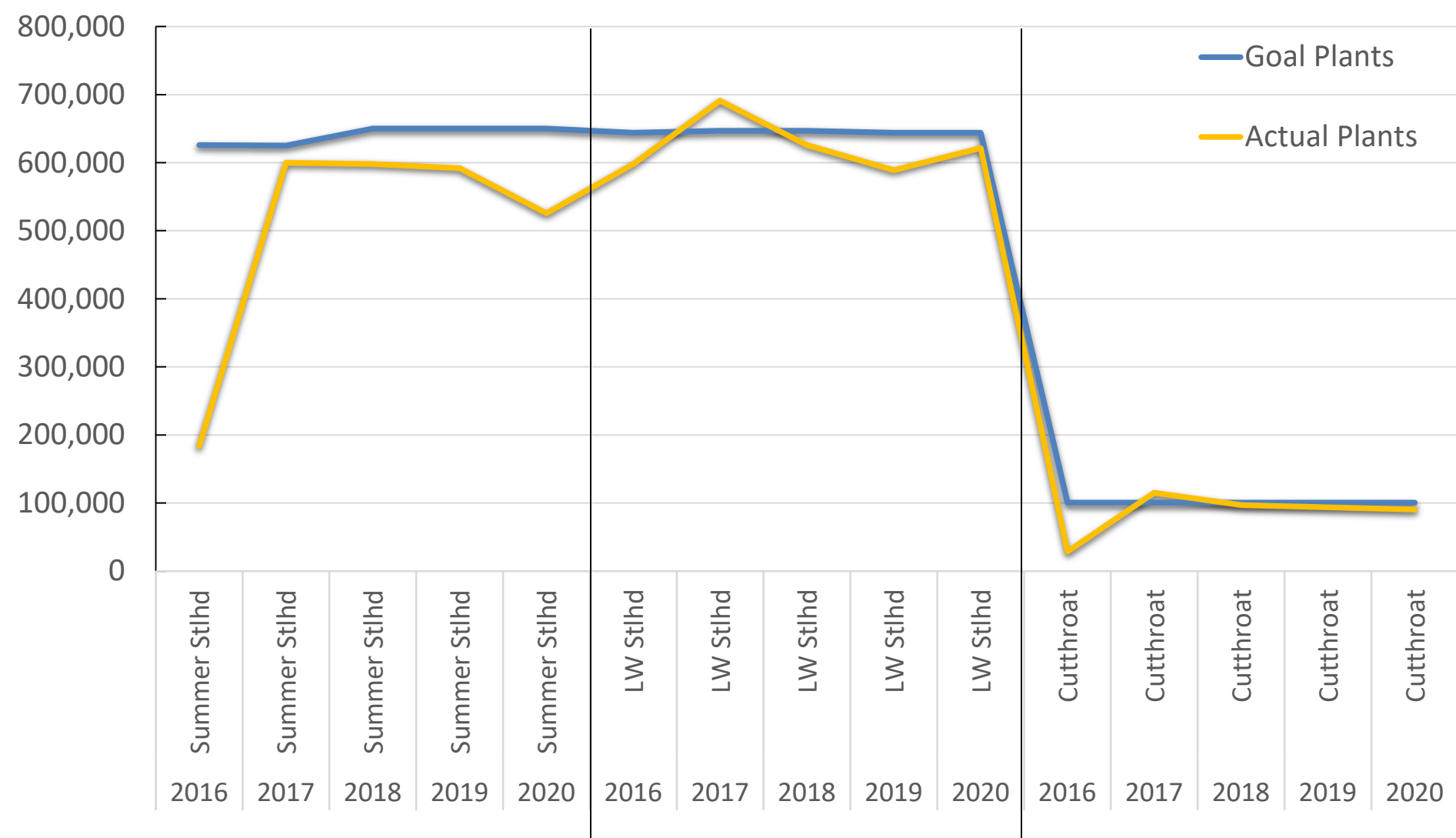
Cowlitz Salmon Hatchery Releases (5 years)



Cowlitz Salmon Hatchery Releases (5 years) - Updated



Cowlitz Trout Hatchery Releases (5 years)



Cowlitz Hatcheries

- Recent Successes
 - Resource sharing
 - Treatments
 - Densities
 - Marking
 - Counters
 - Hazing
 - Ozone improvement



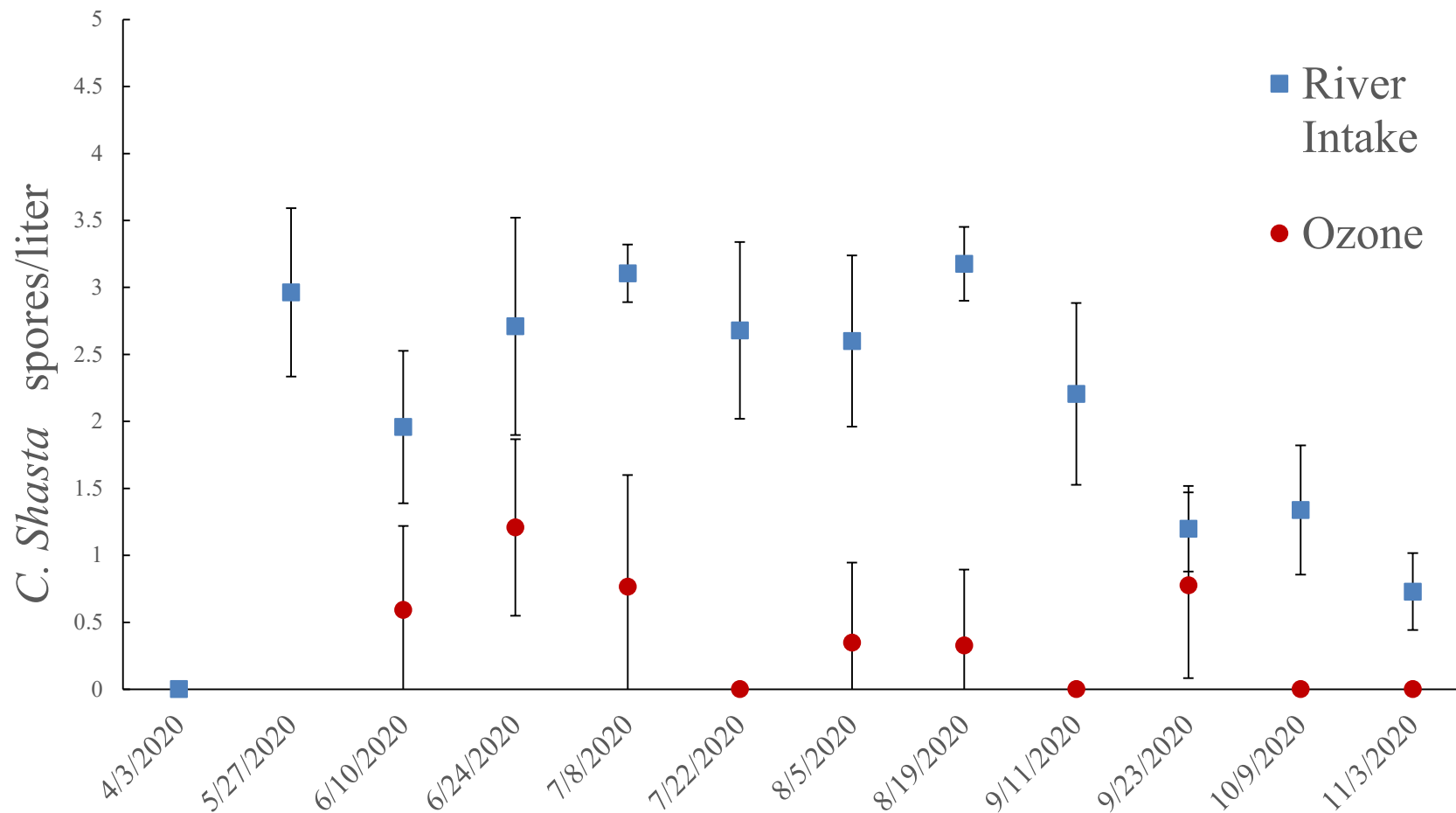
1991 Ozone Generators





2020 Ozone Generators

Ozone performance – *C. Shasta*

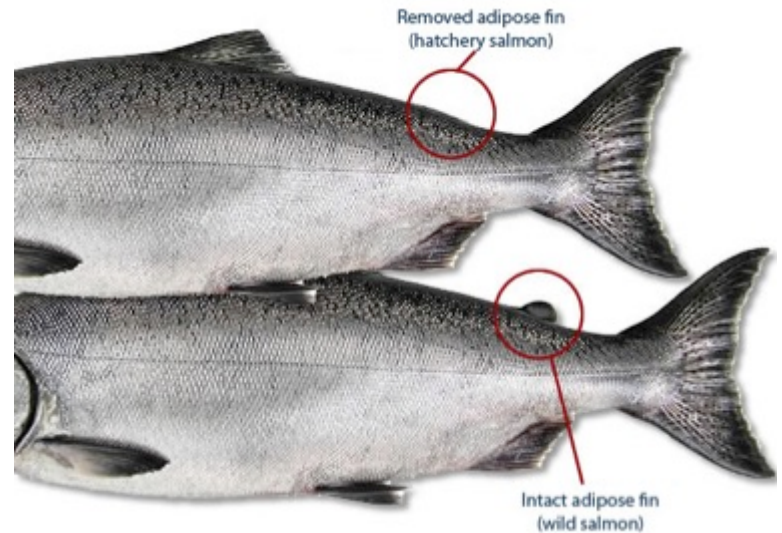


Program Considerations



Program Considerations

- Conservation limitations
- Available adults
- Stakeholders
- Marking
- Facility constraints



Program Considerations

– Facility Constraints: *Space and flow*

Program	# / Raceway
Spring Chinook	55,000
Coho	256,000
Fall Chinook	450,000
Winter Steelhead	Varies
Summer Steelhead	Varies
Cutthroat	Varies



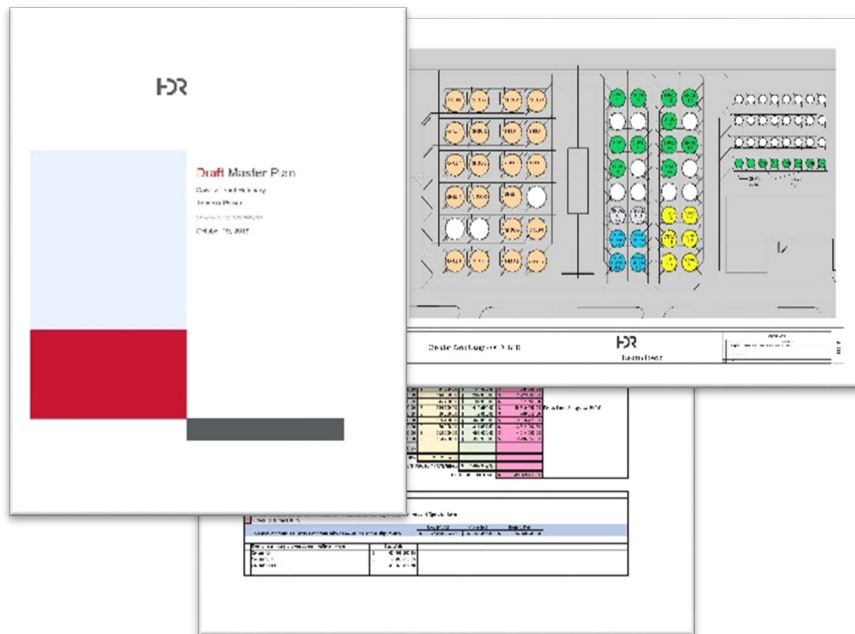
Updates

- Trout Hatchery Remodel
- Bremer Bridge
- Barrier Dam



Trout Hatchery Remodel

- Master Plan
- Project Management
- Trout Hatchery Biologist
- Information



Barrier Dam Update

- What happened
- What's next



Barrier Dam Project

Restricted Areas



Bremer Bridge





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