

The background of the slide is a photograph of a rural landscape. In the foreground, there's a grassy field with some trees. In the middle ground, a body of water (pond or lake) is visible, surrounded by trees and a building with a silo. The background is a dense forest. The top of the slide has a green header bar, and the bottom has a blue footer bar.

# **Aquatic Species Restoration Plan**

June 6<sup>th</sup> Board Meeting

# Objectives

- Continue discussion of potential challenges and opportunities for restoration
- Interaction between board and ASRP participants
- Gain guidance on issues to be addressed
- Capture perspectives on vision statement

# Outline

1. Short presentation
2. Small group discussion with questions
3. Full board group discussion
4. Next steps

# ASRP Foundation Framework

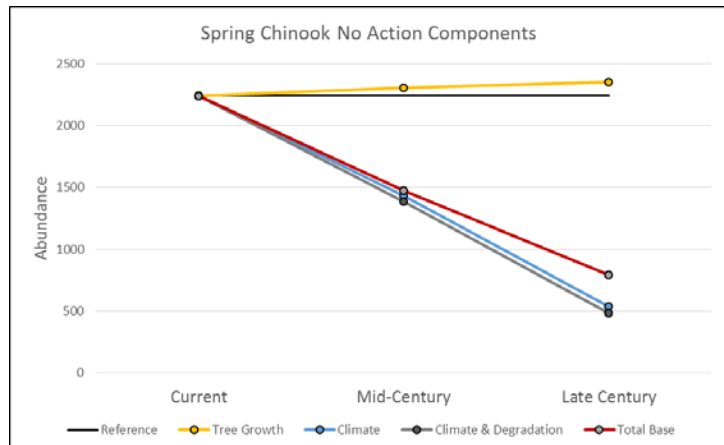
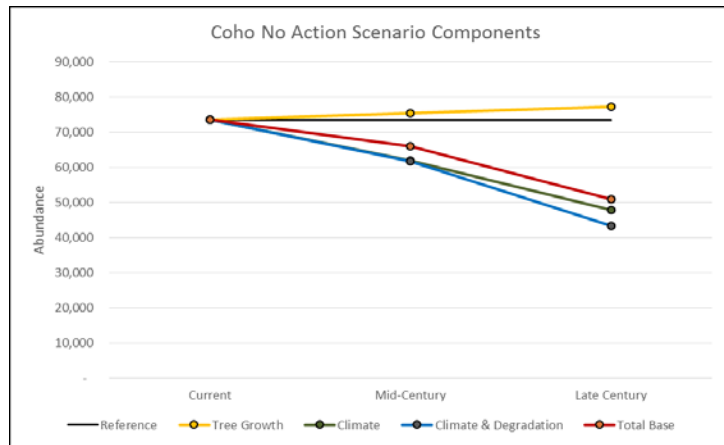
- Viable Salmonid Population (VSP)
  - Abundance
  - Productivity
  - Spatial Structure
  - Diversity
- Accomplished through habitat potential

# Key Messages

**1. Climate change and development will threaten all populations – resulting in a “declining baseline.”**

The hole will only get deeper, and prospects for success less certain, unless actions are taken sooner than later.

# 1. Declining Baseline



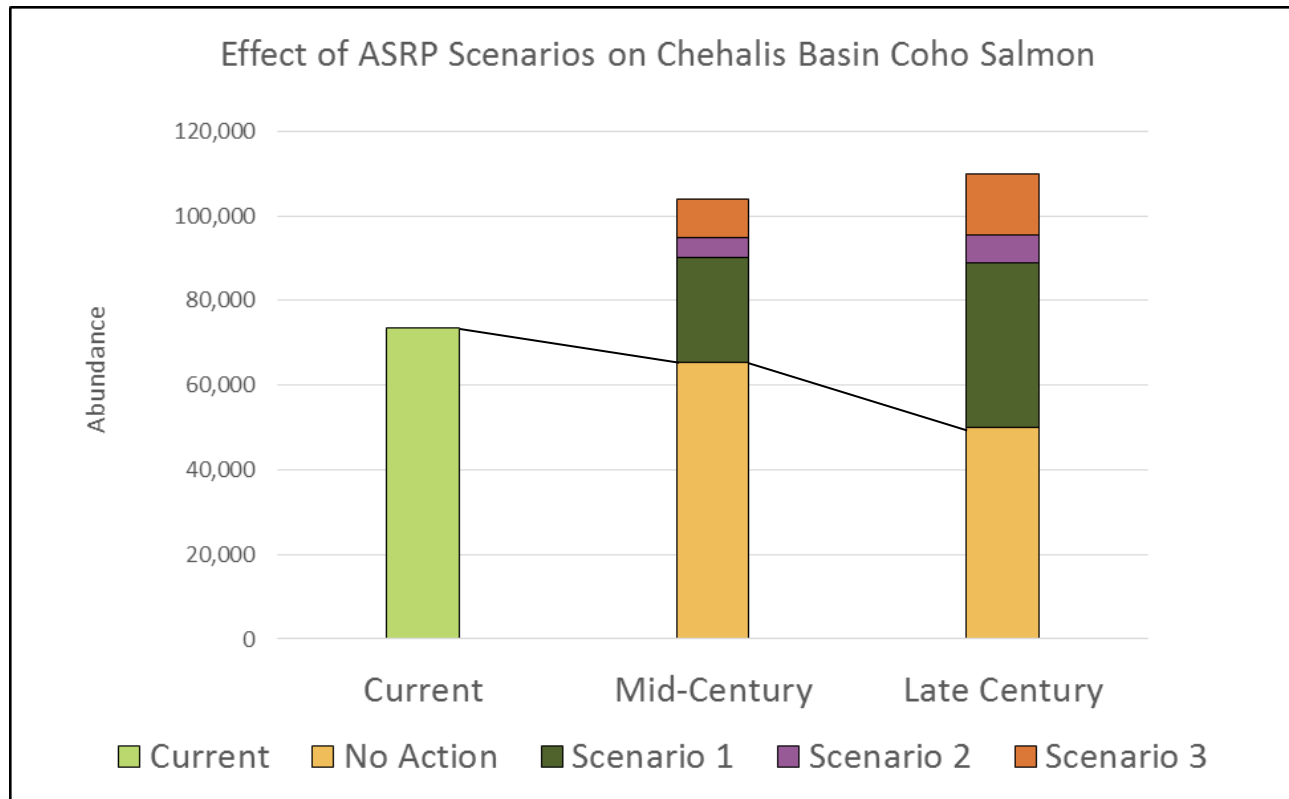
- Under No Action abundance declined markedly by Late Century
  - -30% Coho Salmon
  - -70% Spring Chinook Salmon
- Greatest decline due to climate change temperature

# Key Messages

## **2. ASRP focuses on improving habitat capacity**

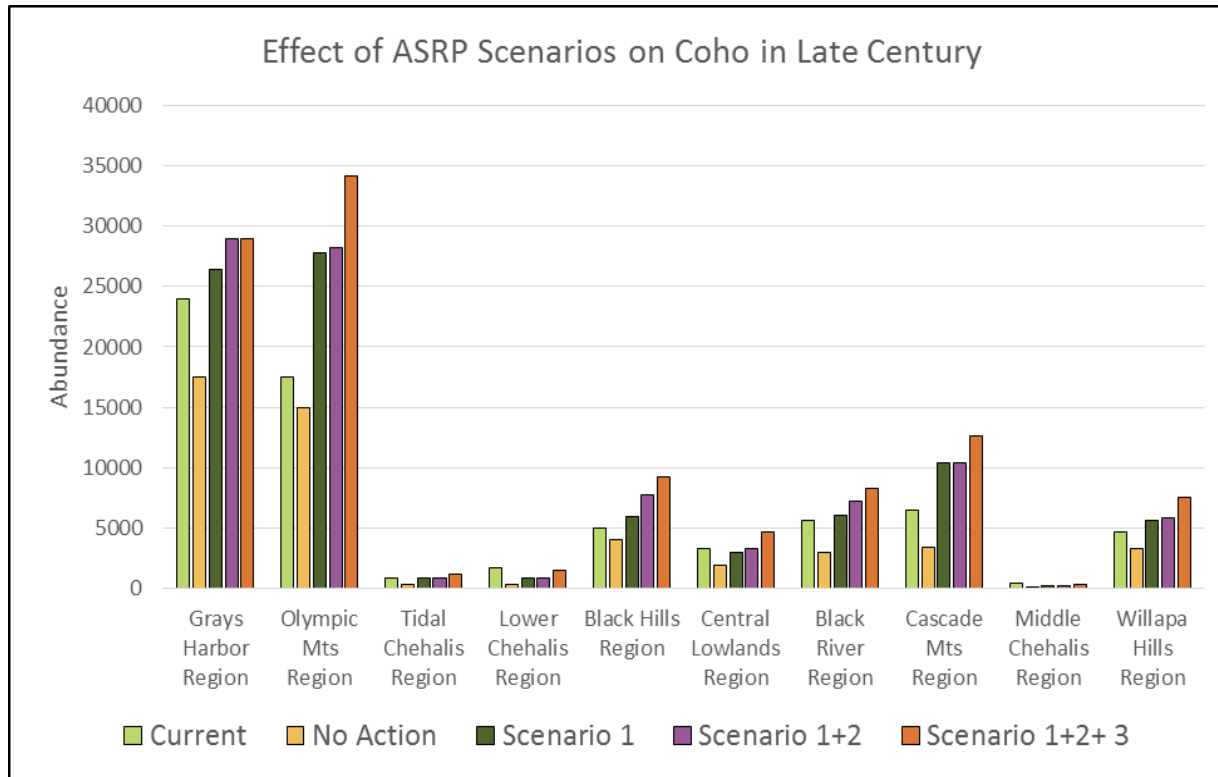
We have confidence in the actions to take and locations to take them in the basin's freshwater environment, but have no control over external factors and cannot guarantee numbers of fish or other aquatic species.

## 2. Habitat Capacity





## 2. Habitat Capacity



## 2. Habitat Capacity



# Key Messages

- 3. It will take a significant investment over the next couple decades to make the difference that is needed.**

# Scenario 1, Protect and Enhance Core Habitats



Protect and enhance core habitat areas

River Restoration = 220 miles

Riparian/Floodplain

Restoration = 9,600 acres

Barriers = 115

Average Cost = \$442M

- Rivers and Streams
- Study Area
- Rivers Proposed for Protection/Restoration
- Scenario 1: 220 miles
- Rivers with Restoration at Nodes Only

# Scenario 2, Protect Core Habitats and Restore Key Opportunities

Protect and enhance core habitats and expand to best restoration opportunities to benefit multiple species

River Restoration = 315 miles

Riparian/Floodplain Restoration = 10,900 acres

Barriers = 250

Average Cost = \$541M



Rivers and Streams

Study Area

Rivers Proposed for Protection/Restoration

Scenario 1 Rivers also  
Included in Scenario 2: 260 miles

Additional Rivers  
Proposed for Scenario 2: 55 miles

Rivers with Restoration at Nodes Only

# Scenario 3, Protect Core Habitats and Expand Distribution

Protect and enhance core habitats and increase spatial and life history diversity

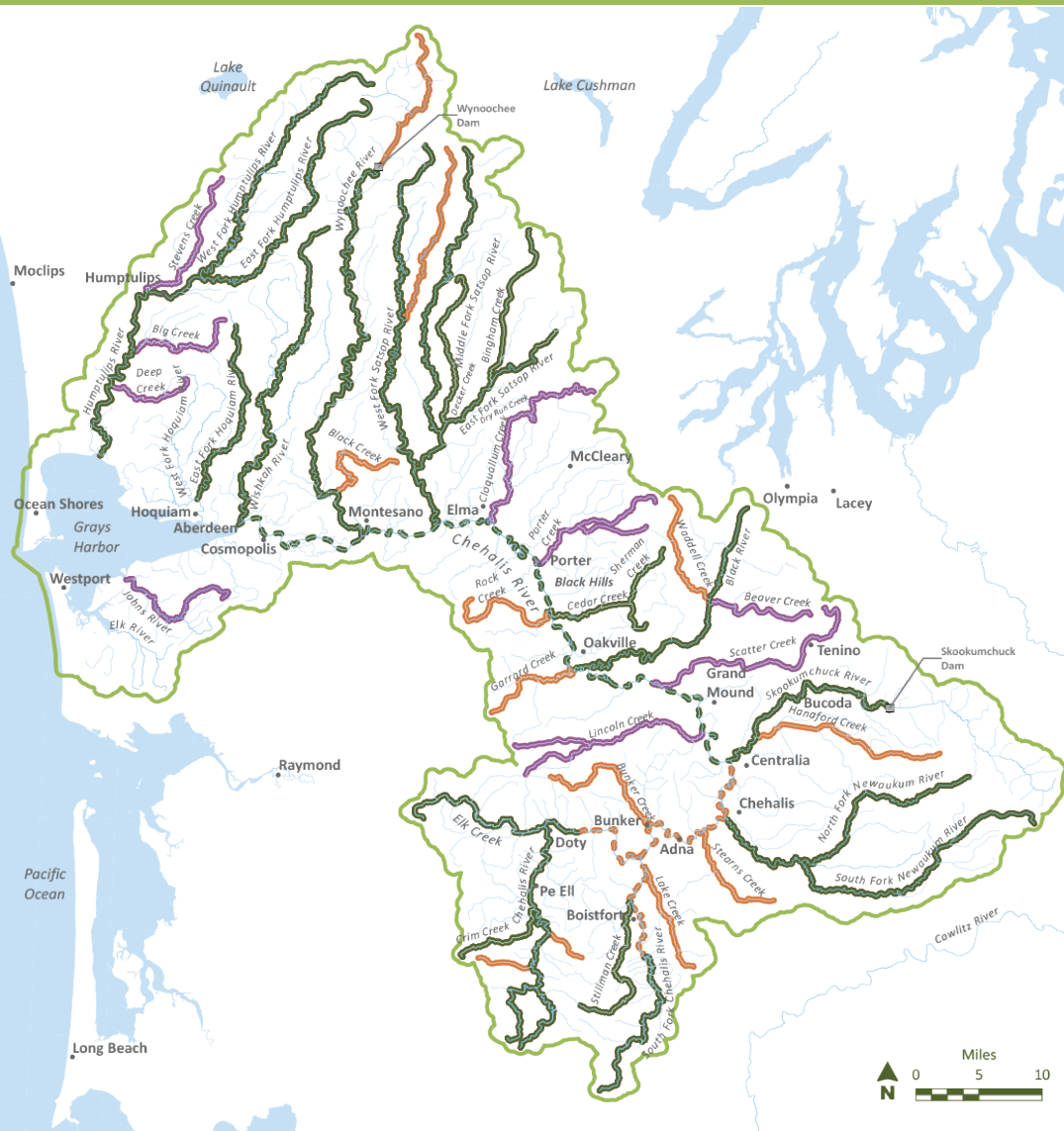
River Restoration = 430 miles

Riparian/Floodplain

Restoration = 15,000 acres

Barriers = 350

Average Cost = \$762M



Rivers and Streams

Study Area

**Rivers Proposed for Protection/Restoration**

Scenario 1 Rivers also  
Included in Scenario 3a: 293 miles

Scenario 2 Rivers also  
Included in Scenario 3a: 66 miles

Additional Rivers  
Proposed for Scenario 3a: 79 miles

Rivers with Restoration at Nodes Only



# ASRP Vision

To provide for a future where the Chehalis Basin can support:

- healthy and harvestable salmon populations,
- robust and diverse populations of native aquatic and semi-aquatic species,
- productive, self-sustaining ecosystems that are resilient to climate change and anthropogenic stressors,

while also honoring the social, economic, and cultural values of the region.



Large wood on the Humptulips



Upper East Fork Satsop wetland complex

# Questions





# Next Steps & Discussion

## Small group Discussion Questions

1. Are the take home messages the ones you think should be used with your respective organization/community? What would you add or change when talking to others?
2. What are your reactions to the vision statement? What resonates with you and what does not?
3. What other questions do you have regarding the information so far for the ASRP?