

Lower Columbia Fish Recovery Board



Celebrating 20 Years
Working to Recover Salmon,
Steelhead & Bull Trout
and
Improving Watershed Health

WA's Salmon Network Starts With Regional Organizations



Lower Columbia Fish Recovery Board

- Established by State statute in 1998
- 15-member Board
- 12-member Technical Advisory Committee
- 5-member Clean Water Review Committee
- 3 Multi-WRIA Watershed Planning Units

Our Region

- 5,700 sq. miles
- 7% of WA State
- 17 subbasins & the estuary
 - *2,882 tributary miles
 - *268 marine shoreline miles
- 74 distinct populations of ESA-listed Chinook, chum, coho, steelhead & bull trout
- 8 tributary dams, 4 Hydro-electric operators
- Bonneville dam in Columbia Gorge
- One of the fastest growing areas in state



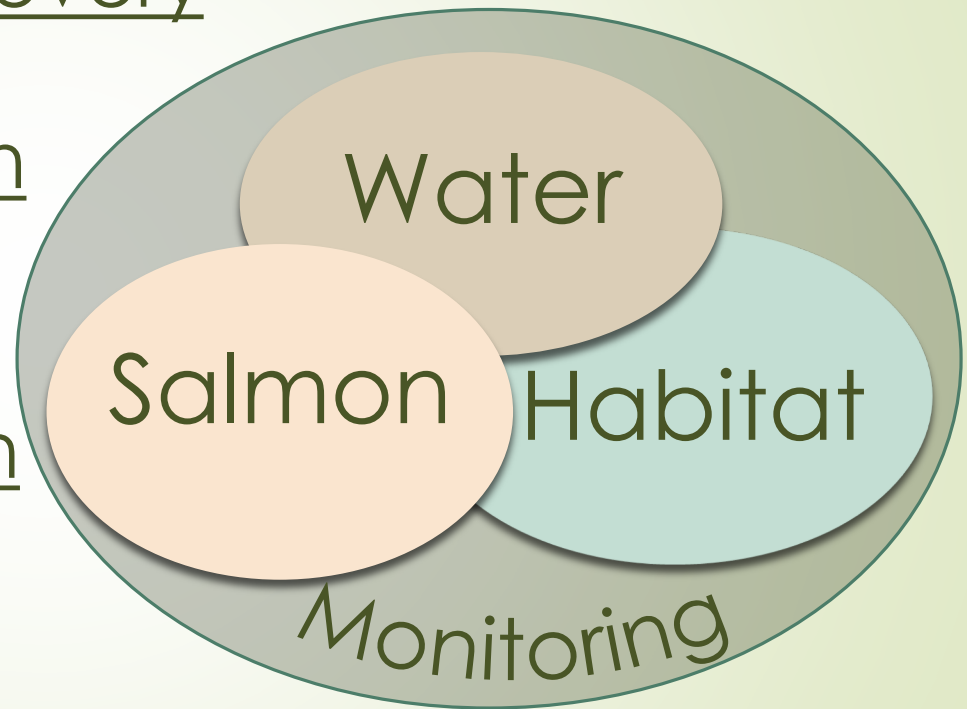
Integrated Programs

Salmon Recovery

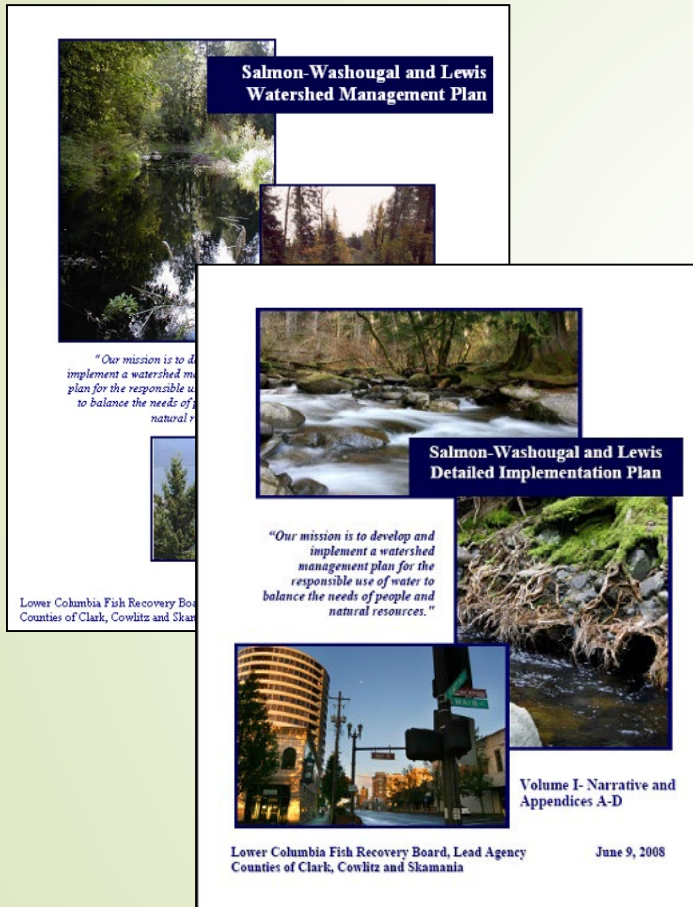
Federal Subbasin
Plans

Habitat Restoration
& Protection

Watershed Planning



Watershed Management Plan – Water for People and Fish



Salmon-Washougal and Lewis Watershed Management Plan

"Our mission is to develop and implement a watershed management plan for the responsible use of water to balance the needs of people and natural resources."

Salmon-Washougal and Lewis Detailed Implementation Plan

"Our mission is to develop and implement a watershed management plan for the responsible use of water to balance the needs of people and natural resources."

Volume I- Narrative and Appendices A-D

Lower Columbia Fish Recovery Board, Lead Agency
Counties of Clark, Cowlitz and Skamania

June 9, 2008

- Water Supplies
- Water Quality
- Instream Flows
- Surface and Ground
- Fish Habitat Conditions

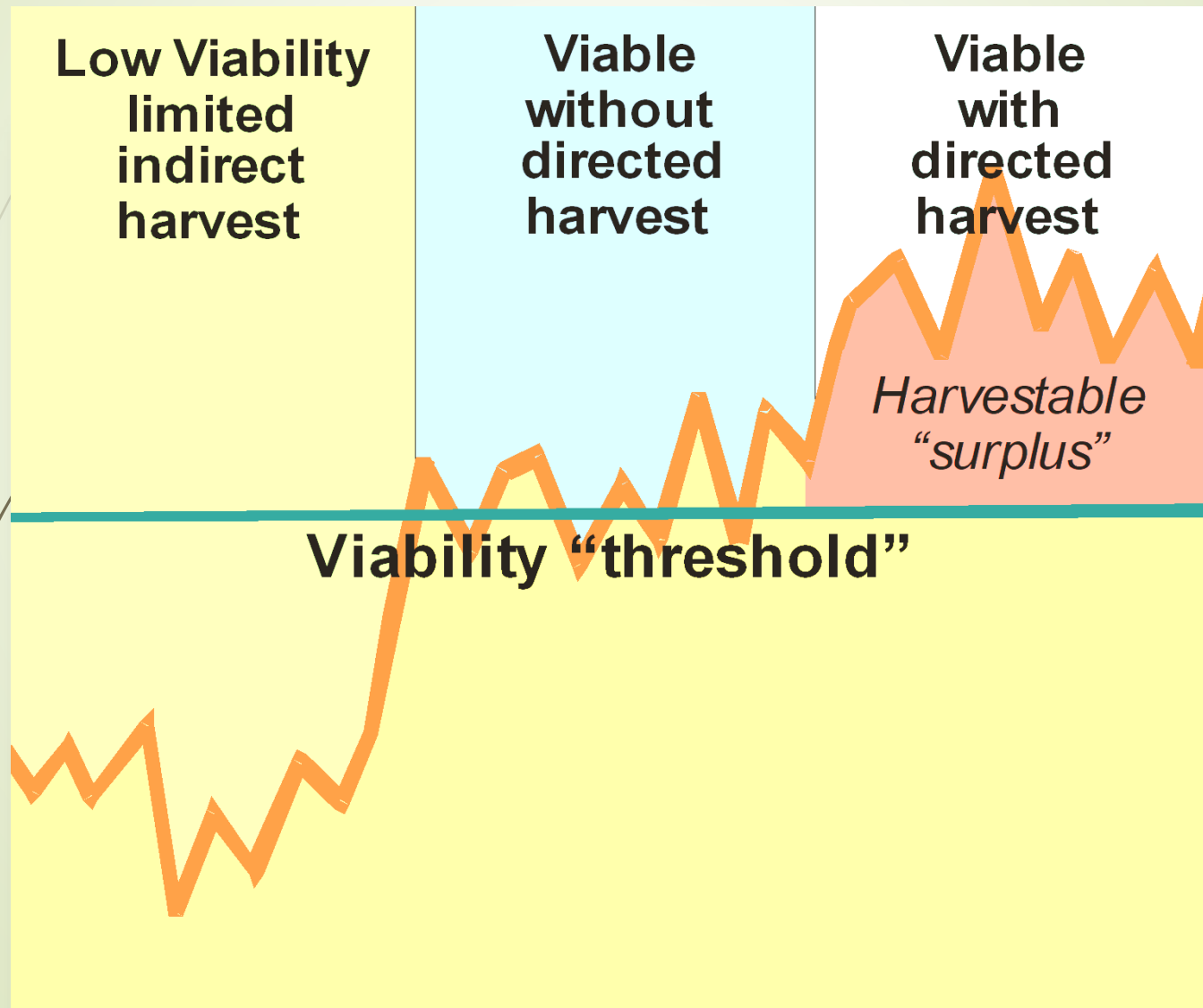


Water rights rules: Chapters
173-527 & 173-528 WA
Administrative Code

Watershed Management Plan – Water for People and Fish

- Regional Water Supply Projects
 - Clark Public Utilities - Paradise Point
 - City of Camas – Washougal River
 - City of Washougal – Steigerwald
- Water Right Permitting & Mitigation

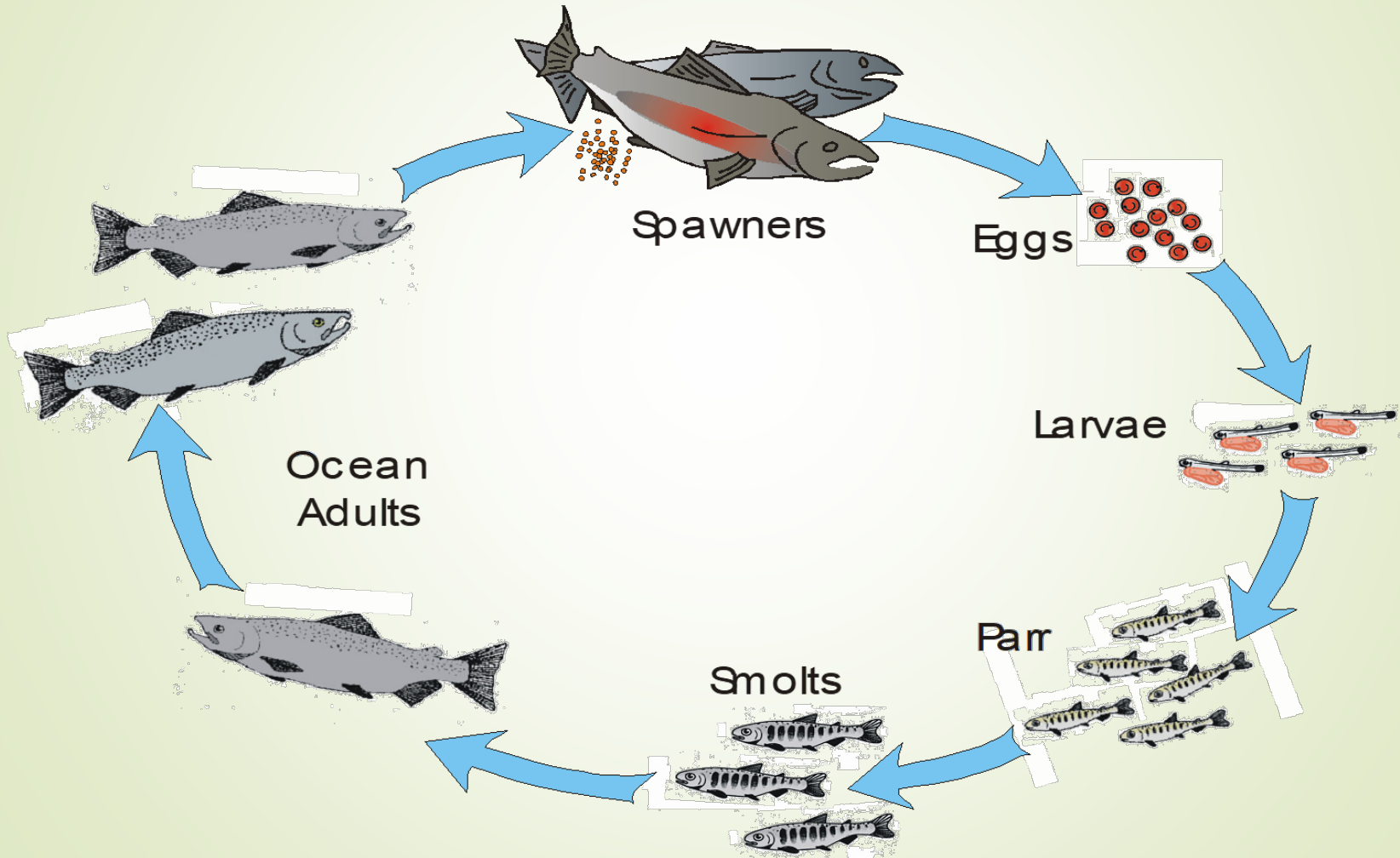
Salmon Recovery – Getting to “Healthy & Harvestable”



Salmon Recovery A Shared Responsibility



Salmon Recovery Life Cycle Approach



Tributary Habitat Strategies



- Protection
- Access
- Restoration

Estuary/Mainstem Strategies

Flow

Sediments

Structures

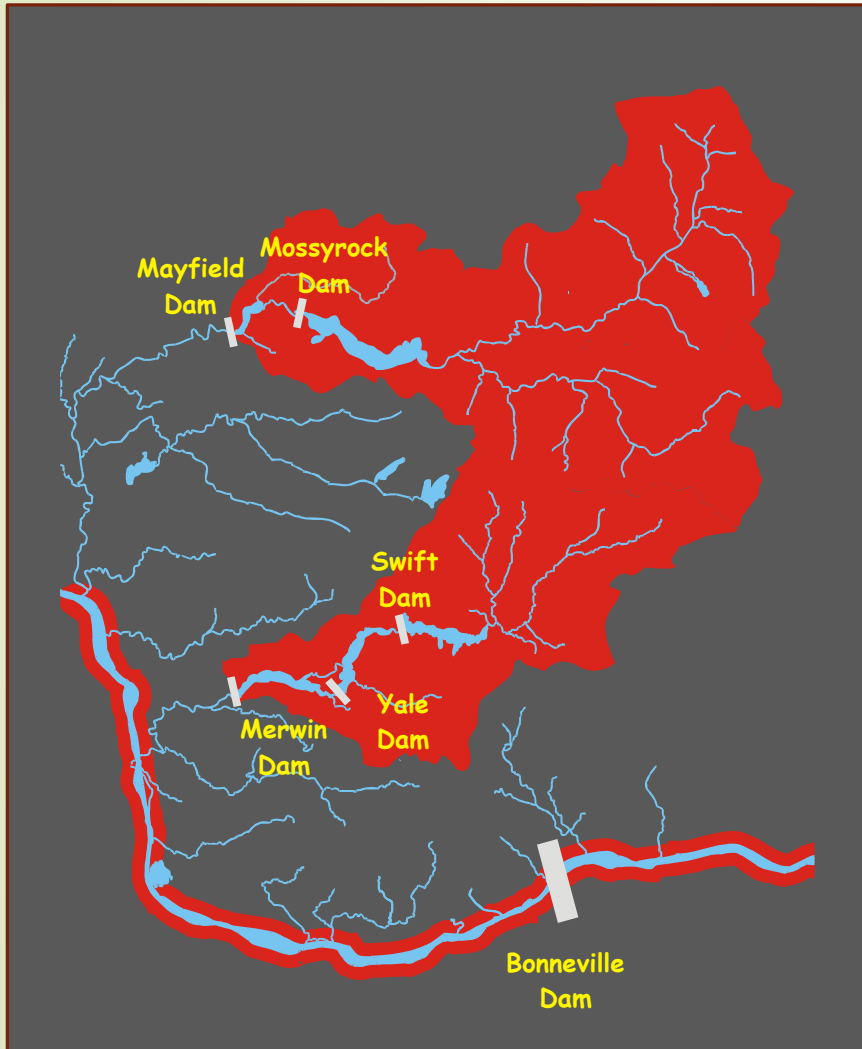
Food-web

Water quality



Hydro Strategies

Reintroduction, Fish Passage, Mitigation

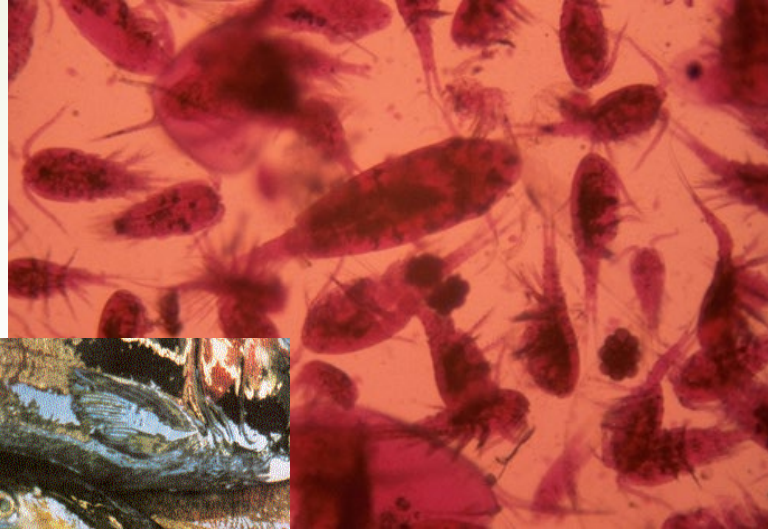


Harvest and Hatchery



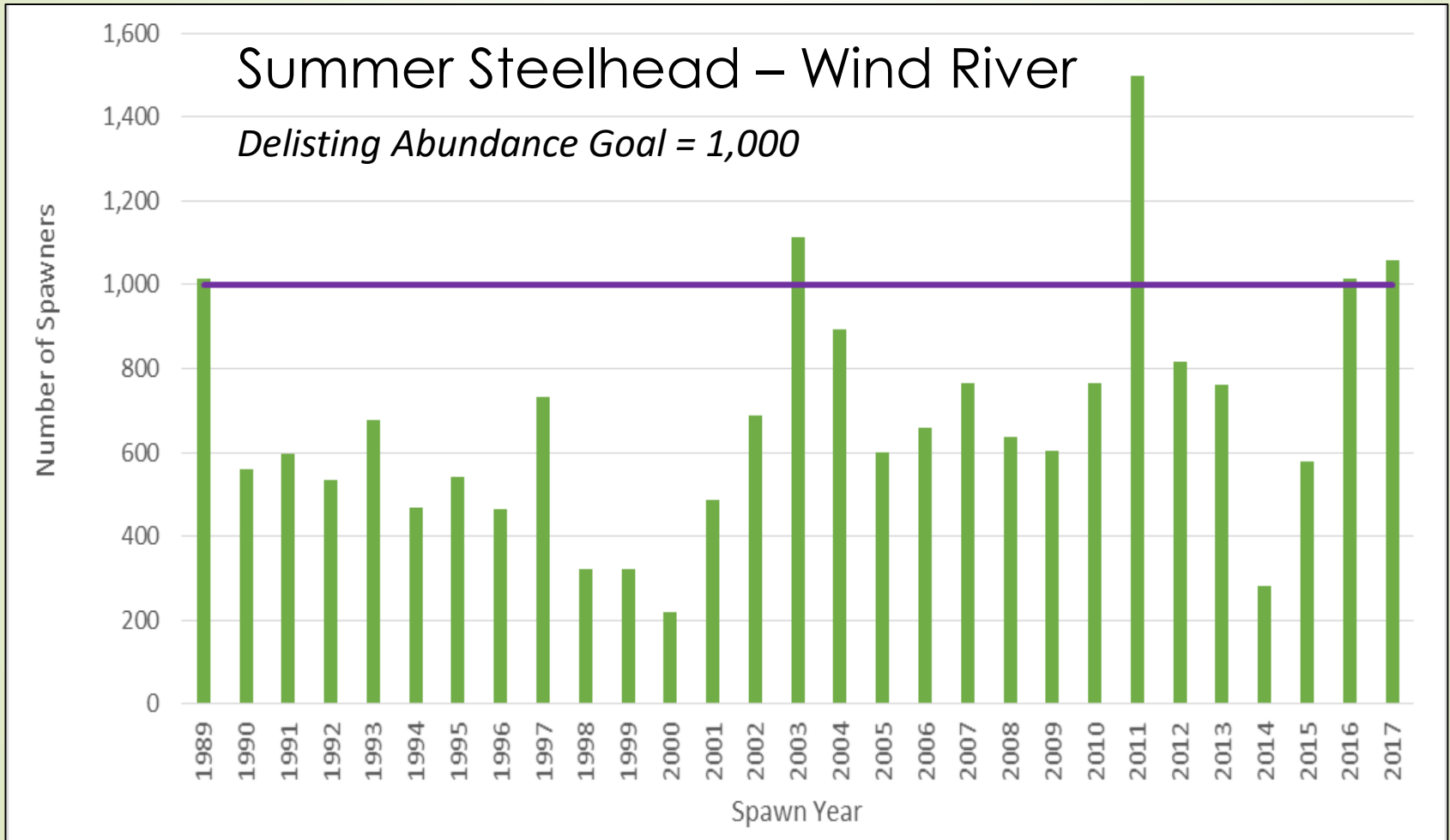
Ecological Strategies

Exotics
Food Web
Predators



Current Initiatives

Assess Progress Toward Recovery Goals



Current Initiatives – Assess Recovery Plan Implementation

- Land Use – Local, State & Federal
- Harvest and Hatcheries (in process)
- Ecological Interactions - Predation
- Hydro



Current Initiatives – Assess Recovery Plan Implementation

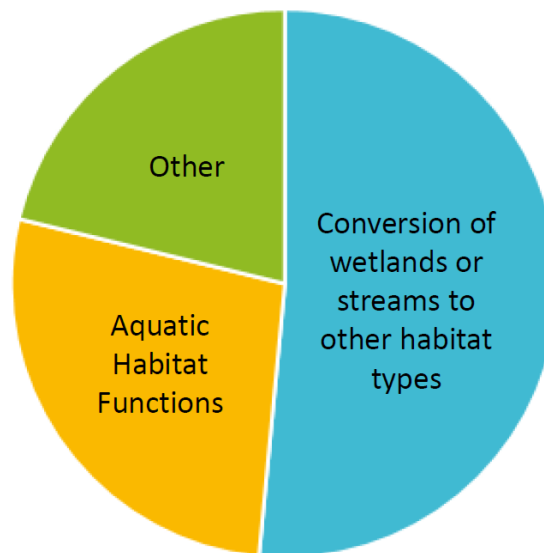
- Land Use – Local, State & Federal
 - Shoreline Master Programs
 - Critical Areas Ordinances
 - Comprehensive Plans
 - Open Space, Parks, Greenways
 - Water Management Programs



Current Initiatives – Assess Recovery Plan Implementation

- Clean Water Act Permit Streamlining
- Landowner Incentives Evaluation
- Updating Habitat Strategy to Focus PCSRF and other Habitat Investments

What were the reasons cited for requiring compensatory mitigation or design changes?





Lower Columbia Fish Recovery Board
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