

Overview of Hatchery Programs Chelan County PUD

NWHA Pre-Conference Workshop
February 20, 2007

Presented By:
Shaun Seaman
Director, Fish & Wildlife

Presentation Overview

- Habitat Conservation Plan
- Hatchery Programs
 - Operations
 - Monitoring and Evaluation
- Successes and Challenges

WASHINGTON

Methow River

Okanogan River

Lake Chelan

WELLS

GRAND COULEE




Entiat River

CHIEF JOSEPH

Wenatchee River

ROCKY REACH

ROCK ISLAND

-  Main hatchery
-  Hatchery Satellite
-  Hydroproject



Chelan PUD Hatcheries

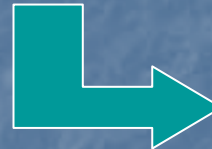
1963 First Hatchery Obligations –
for Rocky Reach



1989 RI Settlement Agreement –
Salmon and Steelhead compensation



1990-2002 FERC Agreements
setting production levels through
judicial process



2002 – 2052 HCP Framework

1992 HCP Negotiations **2002**

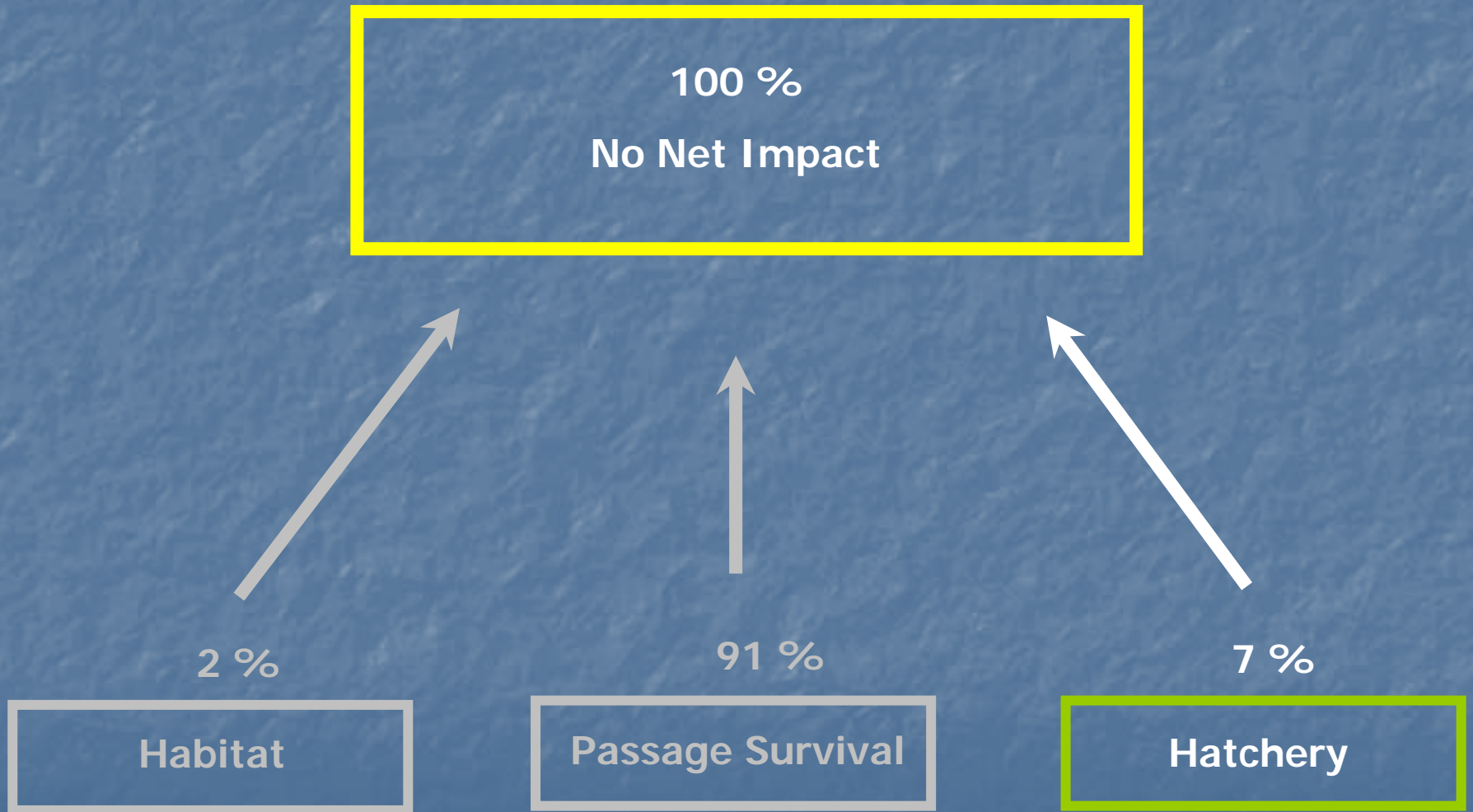
Habitat Conservation Plans

- Long term certainty (50 years)
- Outcome based standards
- Manages risk

Habitat Conservation Plans

- Signed in 2002 by:
 - Chelan County PUD
 - National Marine Fisheries Service
 - U.S. Fish and Wildlife Service
 - Washington Department of Fish and Wildlife
 - Colville Confederated Tribe
 - Yakama Nation (April 2004)

Habitat Conservation Plans



CANADA

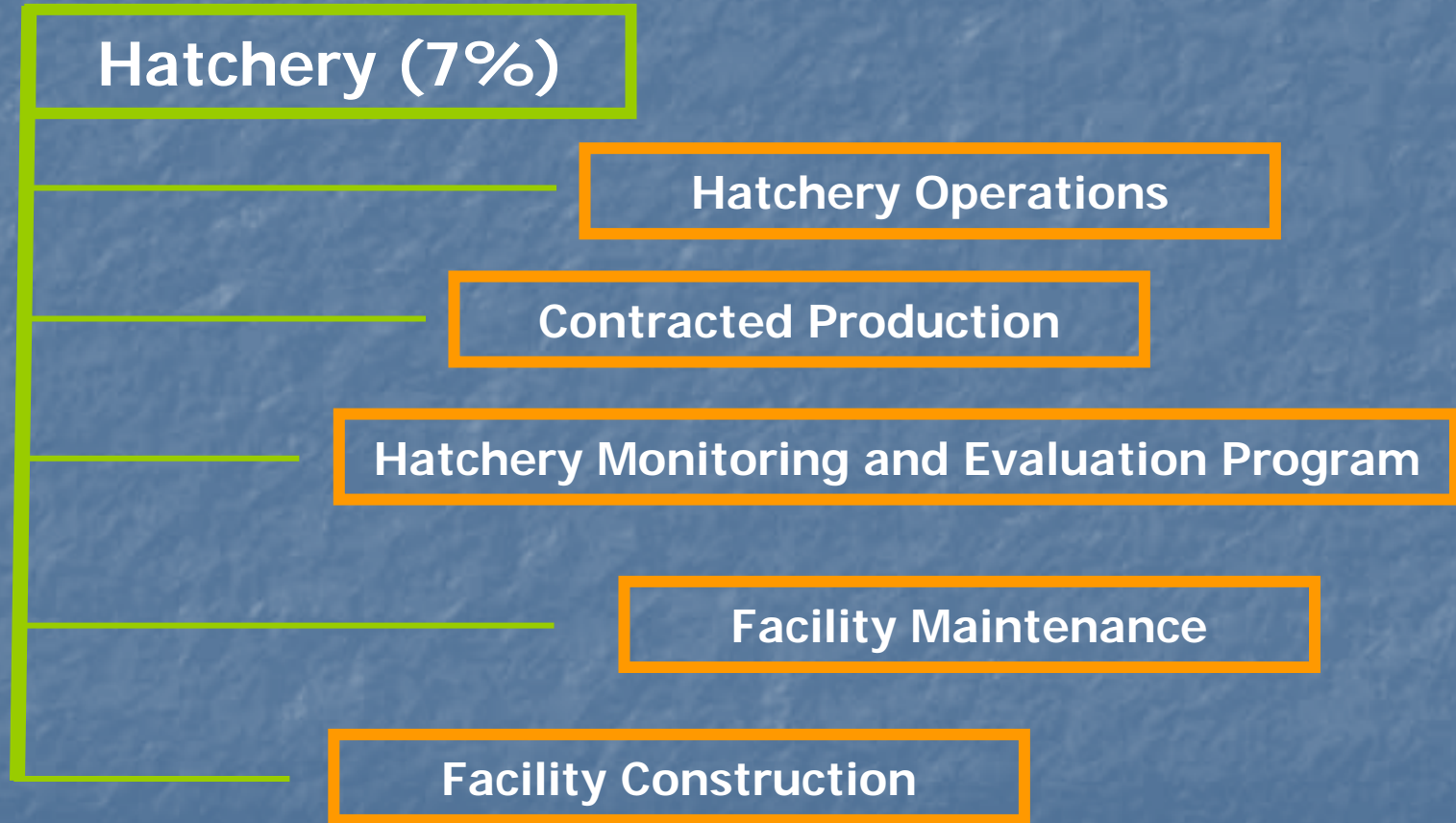
Washington, U.S. A.



Legend

- Ponds
- △ Net Pens
- Hatchery
- State Facilities
- Colville Tribe Facilities
- Chelan PUD Owned Facilities
- Douglas PUD Owned Facilities
- National Fish Hatchery Facilities

Habitat Conservation Plans



Hatchery Operations and Contracted Productions

Washington Department of Fish and Wildlife

Contracted Production

Okanagan Nations Alliance

Douglas County PUD

Colville Confederated Tribe

Hatchery Monitoring and Evaluation Program

Chelan County PUD

BioAnalysts, Inc.

Yakama Nation

Washington Dept. of Fish and Wildlife

Monitoring & Evaluation Program

- There are 10 objectives and corresponding hypotheses for each one
- Analytical framework to guide decisions

Conceptual Approach to Monitoring and Evaluating the Chelan County Public Utility District Hatchery Programs

Final Report

Andrew Murdoch
Chuck Peven

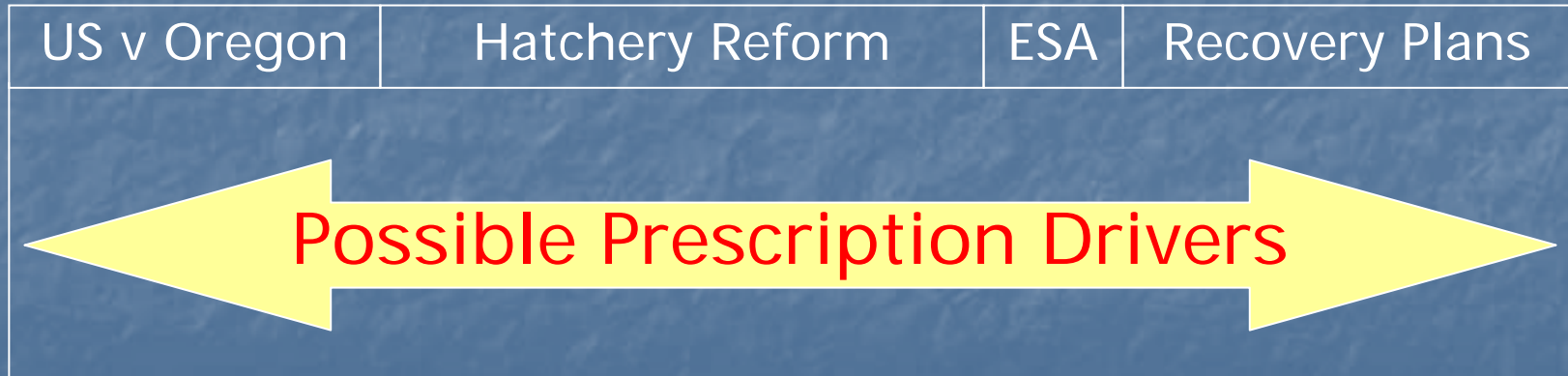
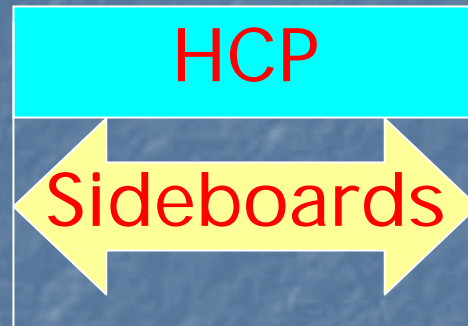
Prepared for:
Chelan PUD Habitat Conservation
Plan's Hatchery Committee
Committee members:

Brian Cates (USFWS)
Jerry Marco (Colville Tribes)
Kristine Petersen (NMFS)
Shaun Seaman (Chelan PUD)
Tom Scribner (YN)
Kirk Truscott (WDFW)

July 2005



Program Influences



HCPs:

Application to the Hatchery Programs

- The “rulebook” to determine the number of hatchery fish to produce
- Collaborative not dictated
 - Allows equitable participation by the District
- Optimizes use of existing facilities
- Regional production coordination

Estimated 2007 O&M Costs

Program Component	2007 Cost Estimates
Hatchery Operations	\$3, 000,000
Monitoring and Evaluation (contractual)	\$1,000,000
Hatchery Facilities Maintenance	\$470,000
Contracted Production	\$ 1,000,000

Obligation is to provide hatchery capacity & funding

Successes

- Process
 - Facilities Review
 - Monitoring and Evaluation Program
 - Analytical Framework
 - Siting of new facilities
- Program
 - Meeting NNI
 - Not negatively impacting natural production

Challenges

- Process
 - Institutional Knowledge
 - Working in a new environment
 - External influences
 - Controlling costs
- Program
 - Appropriate evaluation of programs

Summary

- Overview of the HCPs
- Hatchery component of mitigation
- Hatchery programs
- Successes and Challenges

Questions

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