

Chelan PUD Fish and Wildlife

An Update of Project Survival and Phase Designation

Board of Commissioners Study Session:
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Presentation Outline

- Balanced Score Card
- Habitat Conservation Plan
- Phase Designation
- Passage Survival



To be a premier Public Utility

Stakeholders

Protect Resources with Stakeholders
Regional relationships

Quality Services

Listen and Respond to Customers

Financial

Manage Financial Risks

Control Costs
Least cost tools

Maintain Adequate Revenue
Spill program

Internal

Manage our Assets and Natural Resources
Outcome Based Approach

Enhance Trust through Openness & Accountability

Enablers

Put Safety First

Make this a Great Place to Work

Ensure Knowledge Transfer

Encourage Community Involvement

Leverage Best Practices & Innovation



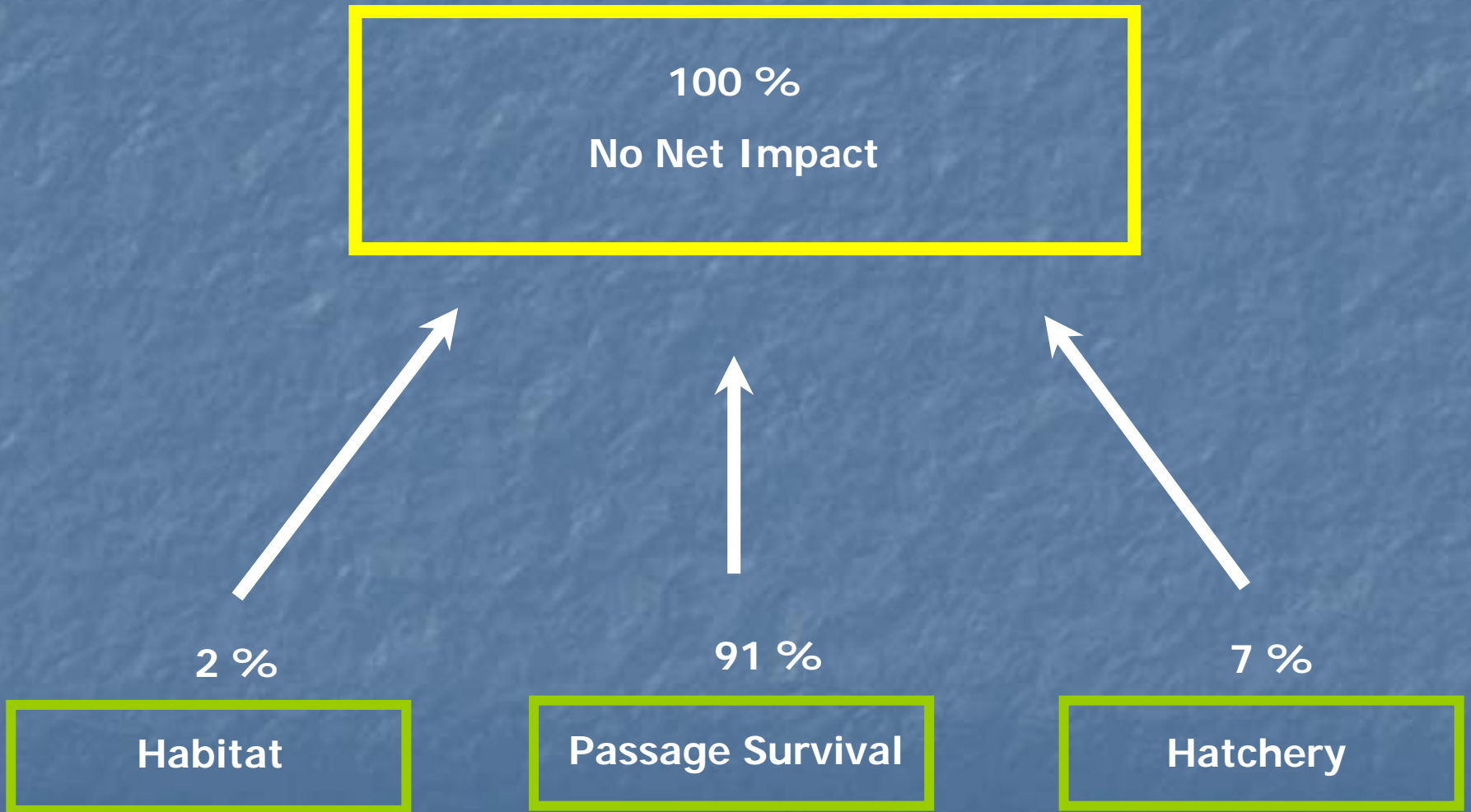
Habitat Conservation Plans

- Highest level of ESA protection with greatest level of flexibility for operations
- Long term certainty (50 years)
- Outcome based standards
- Manages risk

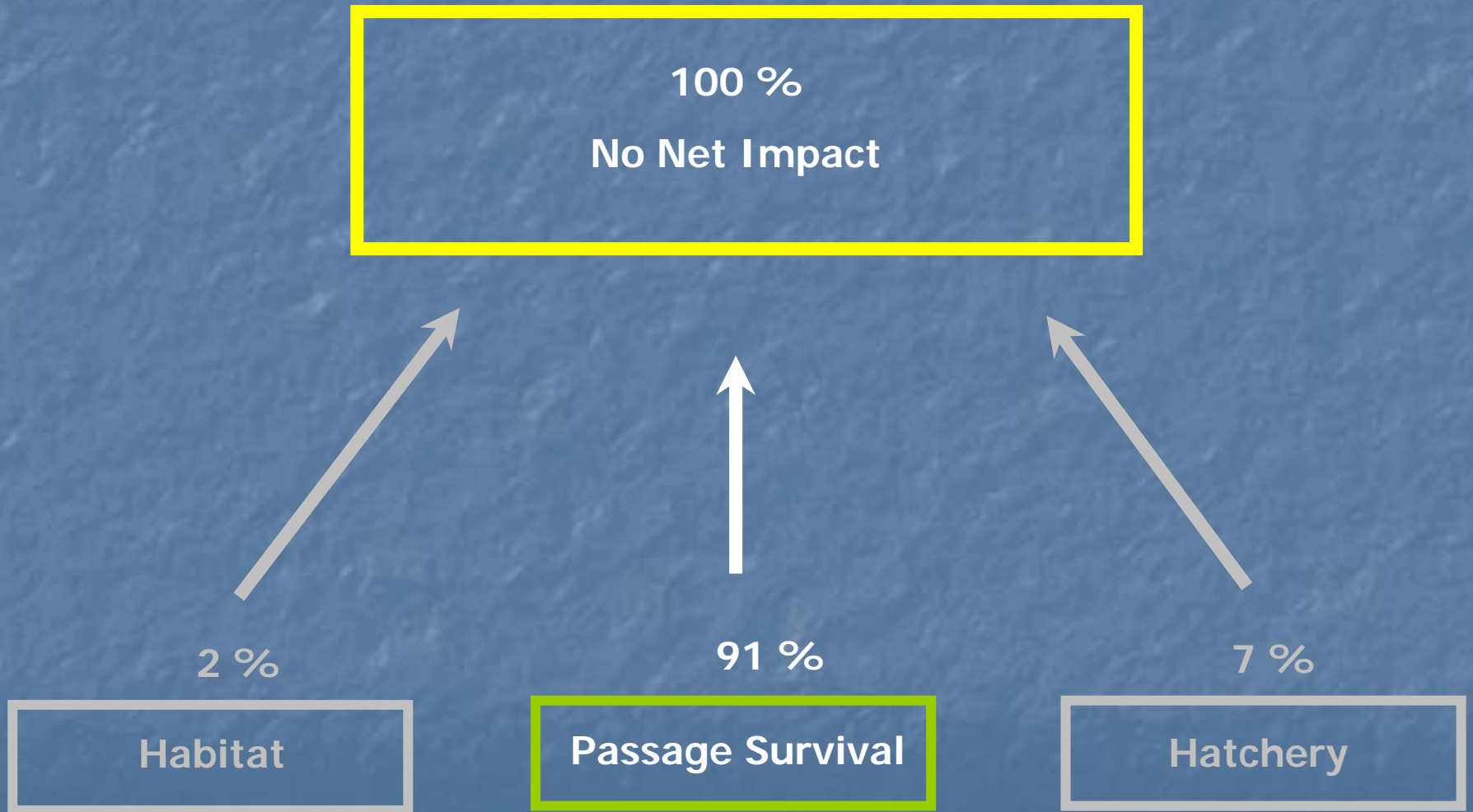
Habitat Conservation Plans

- 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 Tribes
 - Yakama Nation (April 2004)
- Ensures 50 years of protection for hydroelectric impacts to salmon and steelhead

Habitat Conservation Plans



Habitat Conservation Plans



Habitat Conservation Plans

Passage Survival (91 %)

(Juvenile standard – 93 %)

Survival Studies

Optimization

Habitat Conservation Plans

Passage Survival (91 %)
(Juvenile standard – 93 %)

Survival Studies

Rocky Reach Project Survival
Rock Island Project Survival

Optimization

Rocky Reach Spill/No Spill

Phase III Designation Status

- 3 for 3 at Rock Island
 - Opportunities to optimize
- 1 for 3 at Rocky Reach
 - Continuing improvements

Rock Island Survival

Species	2002	2003	2004	2005	2006	3-yr Ave
Yearling CH PIT Tag	95.6	93.4	91.4	NA	NA	93.5
Steelhead Acoustic	NA	NA	96.6	91.5	94.0	94.1
Sockeye Acoustic	NA	NA	98.5	95.3	96.0	96.6
Sub-CH Acoustic	Unable to measure					

Rocky Reach Survival

Species	2004	2005	2006	3-yr Ave
Yearling CH Acoustic	92.9	91.1	NA	92.0 (2-year ave.)
Steelhead Acoustic	98.3	93.0	96.0	95.8
Sockeye Acoustic	83.5	89.2	93.3	NA
Sub-CH Acoustic	Unable to measure			

For presentation purpose only.

Acknowledgements

- Fish and Wildlife Specialists
- Fisheries Biologists
- Wildlife Biologists
- Support Staff

Questions?