Ten Years Successful Collaboration to Achieve No Net Impact for Plan Species by the HCPs' Signatory Parties

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Presentation Outline

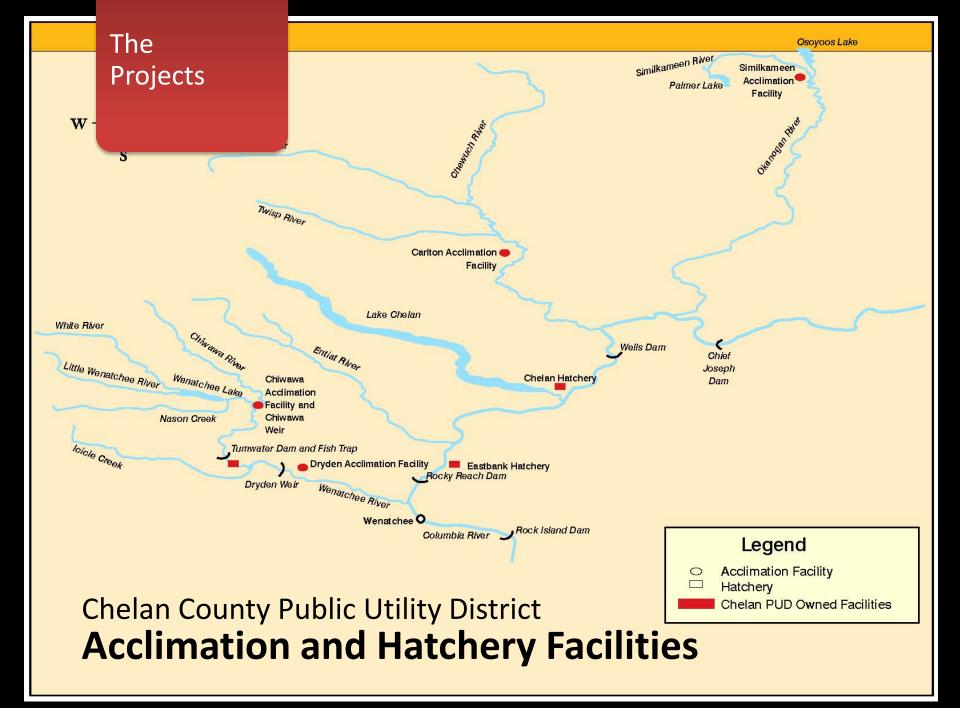


The Projects

Rocky Reach Hydroelectric Project (1300 MW) 43 Mile Reservoir Juvenile Fish Bypass System Upstream - Wells Hydro Downstream - Rock Island Hydro

Rock Island Hydroelectric Project (624 MW) 20 Mile Reservoir Juvenile Fish Spill Program Upstream – Rocky Reach Downstream - Wanapum Hydro





The Goal

Operate responsibly to provide protection for salmon and steelhead while ensuring a reliable supply of clean, renewable, affordable hydropower

Habitat Conservation Plans Collaborative Approach to ESA Protection

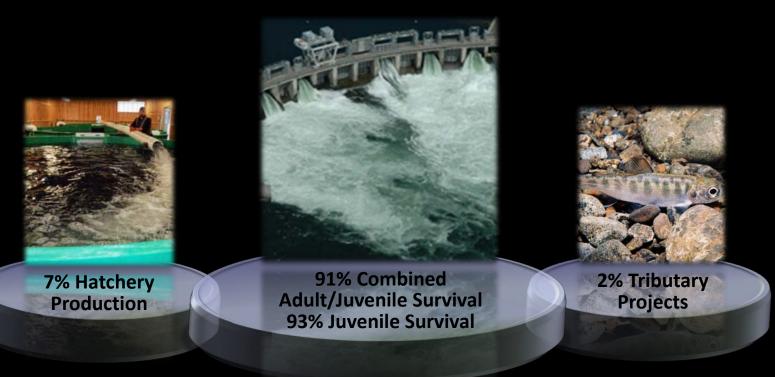
- 50-year Agreements (signed 2002, approved 2004)
- No surprise clause
- Unanimous decision making
- Adaptive approach to achieving no-net impact for salmon and steelhead



HCP Framework

- adaptive and collaborative
- outcome based goals and objectives to achieve no-net impact
- use best available science and unique site specific set of tools rather than one size fits all prescriptive methods

A Three-Pronged Approach to Reaching No-Net Impact



Site Specific Tools to Reach NNI

Rocky Reach Juvenile Bypass System

Installed in 2002/2003

Rock Island notched surface spill

• Over/under & notched spill gates

Both Projects - Predator Control

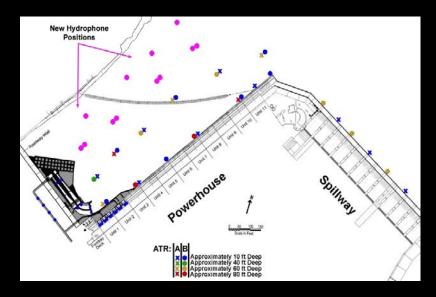
 Remove an average of 65,000 northern pikeminnow annually





Best Available Science for Evaluating Juvenile Survival

- Conducted annual survival studies from 2003-2011
- Utilized best available science tools and methodology over time to refine future studies and project operations

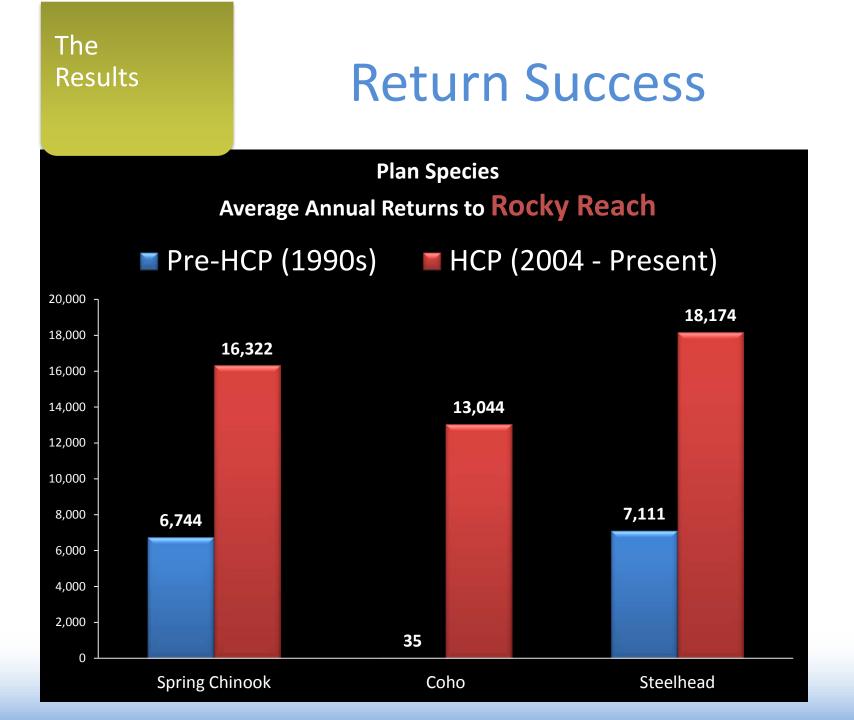


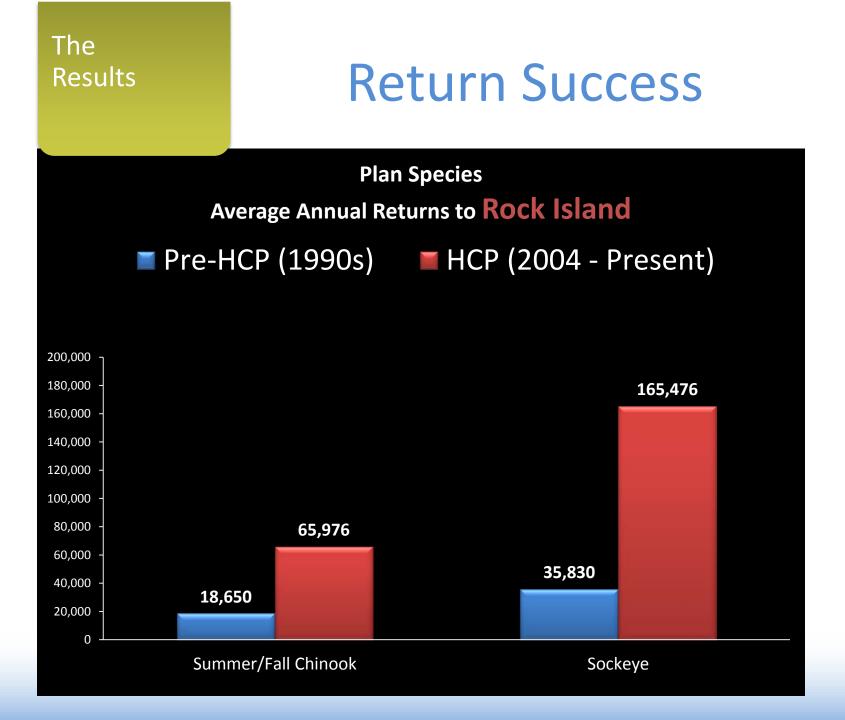
The Results

10-year Project Survival Achievement

Species	Rocky Rea Juvenile Survival	Combined Survival	Standard Achieved?
Sockeye	93.6%	92.6%	Yes
Spring Chinook	92.3%	92.3%	Yes
Steelhead	95.8%	94.8%	Yes

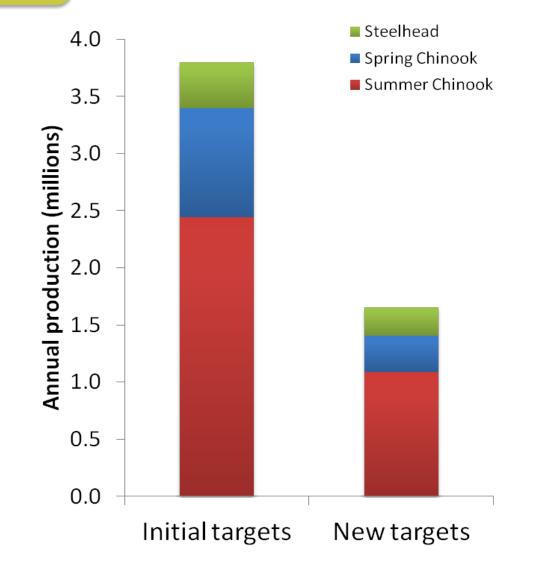
Rock Island					
Species	Juvenile Survival	Combined Survival	Standard Achieved?		
Sockeye	93.3	91.8%	Yes		
Spring Chinook	93.8	93.7%	Yes		
Steelhead	96.8	96.1%	Yes		





The Results

Less Reliance on Hatchery Production



The Results

Tributary Protection and Enhancement

Account	Number of Trib. Projects	Chelan PUD Funding	Total Project Funding
Rocky Reach	28	\$2,243,499	\$16,416,921
Rock Island	31	\$3,234,748	\$24,641,005
Total	59	\$5,478,247	\$41,057,926





The Benefits

Success for fish Success for our future

- Long-term ESA protection
- Reduced spill, less reliance on hatcheries
 - Environmental stewardship
 - Predictable, efficient operations
 - Collaborative achievement

Questions?

