PROPOSED ACTION FOR FCRPS OPERATIONS

2007 - 2017

BONNEVILLE POWER ADMINISTRATION

U.S. ARMY CORPS OF ENGINEERS

BUREAU OF RECLAMATION

THE PROPOSED ACTION IS:

- A Biological Assessment for the operation of the FCRPS for ESA-listed fish
- A separate BA prepared by the Bureau of Reclamation for its Upper Snake River projects
- A comprehensive analysis that looks at the combined effects of the FCRPS and Upper Snake actions
- All three documents submitted to NOAA Fisheries August 21, 2007

THE PROPOSED ACTION WILL CONTRIBUTE TO RECOVERY FOR LISTED FISH

- SR Spring/Summer chinook: good/fair
- SR Steelhead: A-Run good, B-Run uncertain research and targeted habitat improvements
- UC Spring chinook: good
- SR Fall chinook: good
- UC Steelhead: fair
- MC Steelhead: good
- SR Sockeye: aggressive actions to avoid extinction

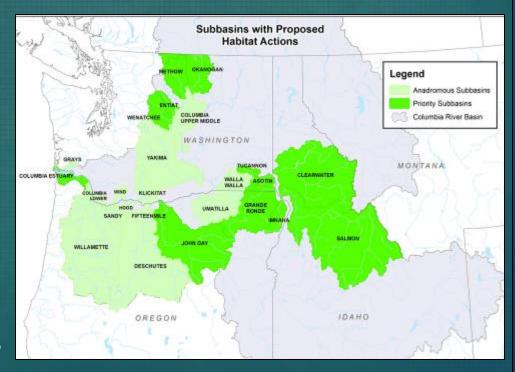
HYDRO IMPROVEMENTS OF \$500 MILLION OVER 10 YEARS

- Commitment to higher performance standards:
 - 96% average or better survival for spring migrants
 - 93% average for summer migrants
- Scheduled commitments to additional surface collectors (RSWs)
- Transport when the science shows it's best for fish
- Improved water management for flow augmentation

EXTENSIVE HABITAT PROGRAM TARGETS NEEDS OF THE FISH

Expand program with specific funding commitments:

- 2007-2009:\$37 million/year(75% increase over the 2000 BiOp)
- 2010-2017:\$45 million/year
- Actions address limiting factors, focus on species and populations with the greatest biological needs

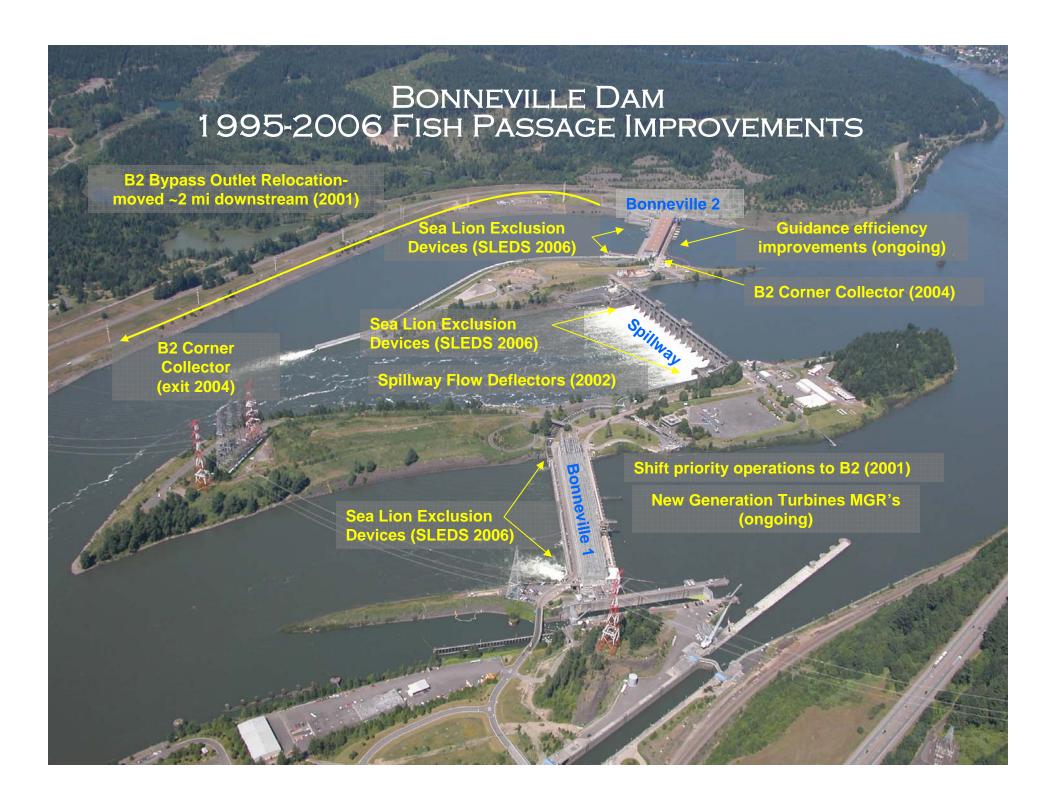


OTHER IMPROVEMENTS IN THE PROPOSED ACTION

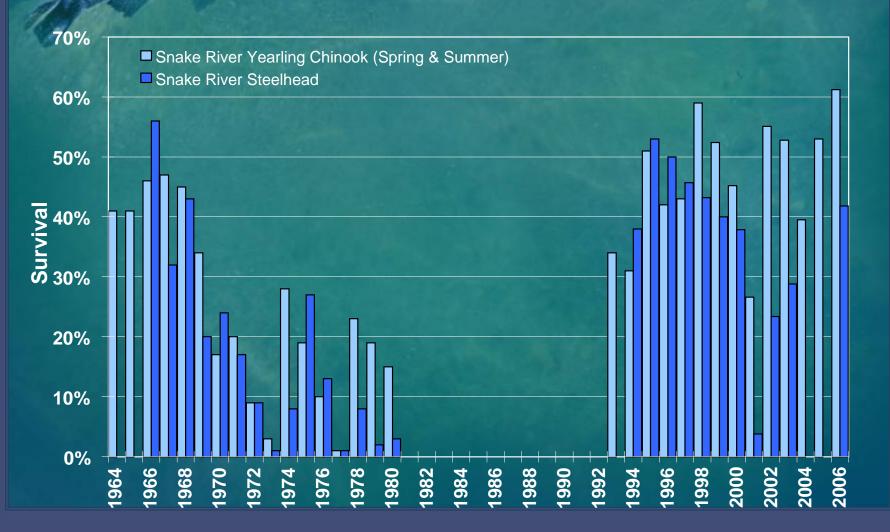
- Ensure all hatcheries advance ESA recovery:\$20-30 million for hatchery reform
- Safety net and conservation hatcheries: an additional \$30 million for upriver stocks;
- Selective harvest
- Aggressive predator management







IN-RIVER SURVIVAL OF SNAKE RIVER CHINOOK SALMON AND STEELHEAD



SCIENCE-BASED APPROACH

- Comprehensive biological analysis for each listed stock and "population"
 - Historical trends
 - Current condition
 - Benefits of proposed actions in all Hs
 - Goal is trend to recovery
- Based on best available information from wide range of sources

SCIENCE-BASED APPROACH

(CONTINUED)

- Proposed actions:
 - Are based on collaborative development with sovereigns
 - Use empirical information or best professional judgment to quantify benefits
 - Address limiting factors
 - Are performance based

ADAPTIVE MANAGEMENT

- Research, monitoring and evaluation to answer key uncertainties, refine and improve actions
- Annual progress reports and check-ins at 2009, 2012 and 2015
- "All H" contingency back-up plan if performance standards not met
- Regional oversight group with states and tribes

SCHEDULE

Sept 6: Public release of proposed action

Oct 31: NOAA produces draft BiOps

Fall (TBD): Status conference with Judge

■ Jan. '08 Final FCRPS/Upper Snake BiOps