RECLANIATION Managing Water in the West

Storage Dam Fish Passage Feasibility Study





Recap

- FY 2002 FY 2003
 - Phase I Assessment
- FY 2003
 - Developed Feasibility Study schedule & budget
 - Selected Cle Elum and Bumping Lake for early action
 - Began limnology & macroinvertebrate studies at Cle Elum and Bumping Lake
- FY 2004
 - First year of limited funding for feasibility study
 - Continued limnology and macroinvertebrate studies at Cle Elum and Bumping Lake
 - Developed plans and awarded construction contract for downstream interim passage at Cle Elum Dam

Current Activities

FY2005

- Completed downstream interim (temporary) passage at Cle Elum Dam
- Completed macroinvertebrate studies at Cle Elum and Bumping Lake
- Will do additional limnology field work at Cle Elum this season
- USFS doing habitat surveys this summer on Cle Elum River and Deep Creek above Bumping Lake
- Developing production potential models for coho and sockeye salmon at Cle Elum and Bumping Lake
- Collecting feasibility design data for potential permanent passage facilities at Cle Elum and Bumping lake
- Developing benefits associated with passage at dams

Next Steps

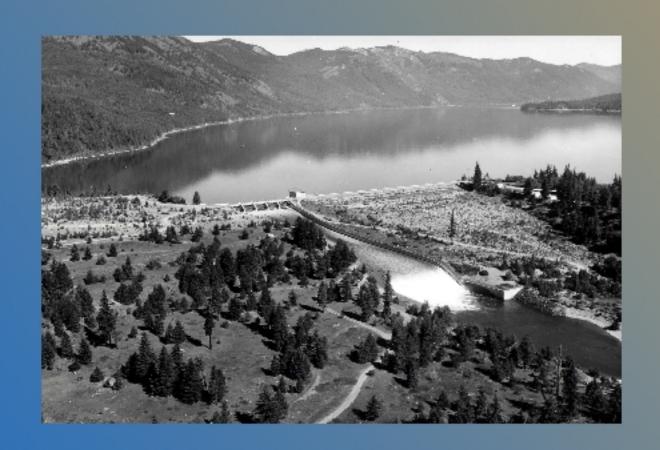
FY 2006 – FY 2007

- Complete limnology reports
- Revise and complete coho and sockeye models
- Prepare feasibility designs and cost estimates for permanent passage facilities at Cle Elum and Bumping Lake
- Prepare economic and financial analysis
- Prepare environmental analysis including NEPA documents,
 ESA consultation and cultural clearances
- Implement interim passage at Bumping Lake (as funding and authorities allow)

FY 2007 – FY 2008

- Prepare Feasibility Report for Cle Elum and Bumping Lake
- Initiate studies of passage at remaining three dams (as funding allows)
 RECLAMATION

Cle Elum Dam Interim Downstream Fish Passage



Objectives

- Develop temporary conditions that will allow juvenile fish to volitionally pass downstream at critical migration times
 - Provide surface releases at the spillway of sufficient quantity to attract fish
 - Provide physical features to safely pass fish down the spillway
- Reclamation
 - Construct temporary passage features
 - Modify operations on temporary basis as needed
- YN & WDFW
 - Develop goals and objectives for reintroduction of fish
 - Develop monitoring and evaluation plans
 - Supply and handle fish

The Concept

