

Lower Granite Dam MOP and Adult Trap Operations

Technical Management Team
2008 Annual Review



US Army Corps
of Engineers

Discussion Points

- Issue Description
- Uncertainties
- Contributing Factors
- Action Taken
- Next Steps
- Questions and Discussion



Issue Description

- As adult passage and broodstock collection efforts at Lower Granite increase, more water (higher forebay elevation) is needed to maintain hourly refilling of adult fish holding tanks used for broodstock collection
- Assumption 1: Under MOP operations, hourly refilling of two tanks is possible
- Assumption 2: In order to refill all six tanks on an hourly basis, a MOP + 1.3 ft forebay is needed (according to model studies)
- When juvenile passage declines and adult migration ramps up, fish managers must make the trade off between MOP operations to facilitate juvenile passage and MOP + 1.3 ft to accommodate adult broodstock collection and tank refill



Uncertainties

- Is a MOP + 1.3 ft operation necessary to utilize all six holding tanks?
 - NOAA trap operators report little noticeable difference in holding tank hourly refill rate between MOP and MOP + 1.3 ft operations
- Are there remedies available to provide hourly refill of all six holding tanks without impacting MOP operations?



Contributing Factors

- Water delivery system – 30 year old valves and fittings are leaking
- Inadequate design?
- Needs further investigation



Action Taken

- Nez Perce tribal staff contacted NWW Operations Fish Bio. On Sept. 8 requesting higher forebay elevation to accommodate six tank refill capability
- SR MOP operations ended on Sept. 10 @ 1500 hours



Next Steps

- Required forebay elevation necessary to provide refill capabilities of all six holding tanks needs further investigation
- Short-term remedy – Project will replace leaking valves/fittings in water delivery system
- Long-term remedy – Fish facility redesign



Questions and Discussion



US Army Corps
of Engineers