

NWW Navigation Update

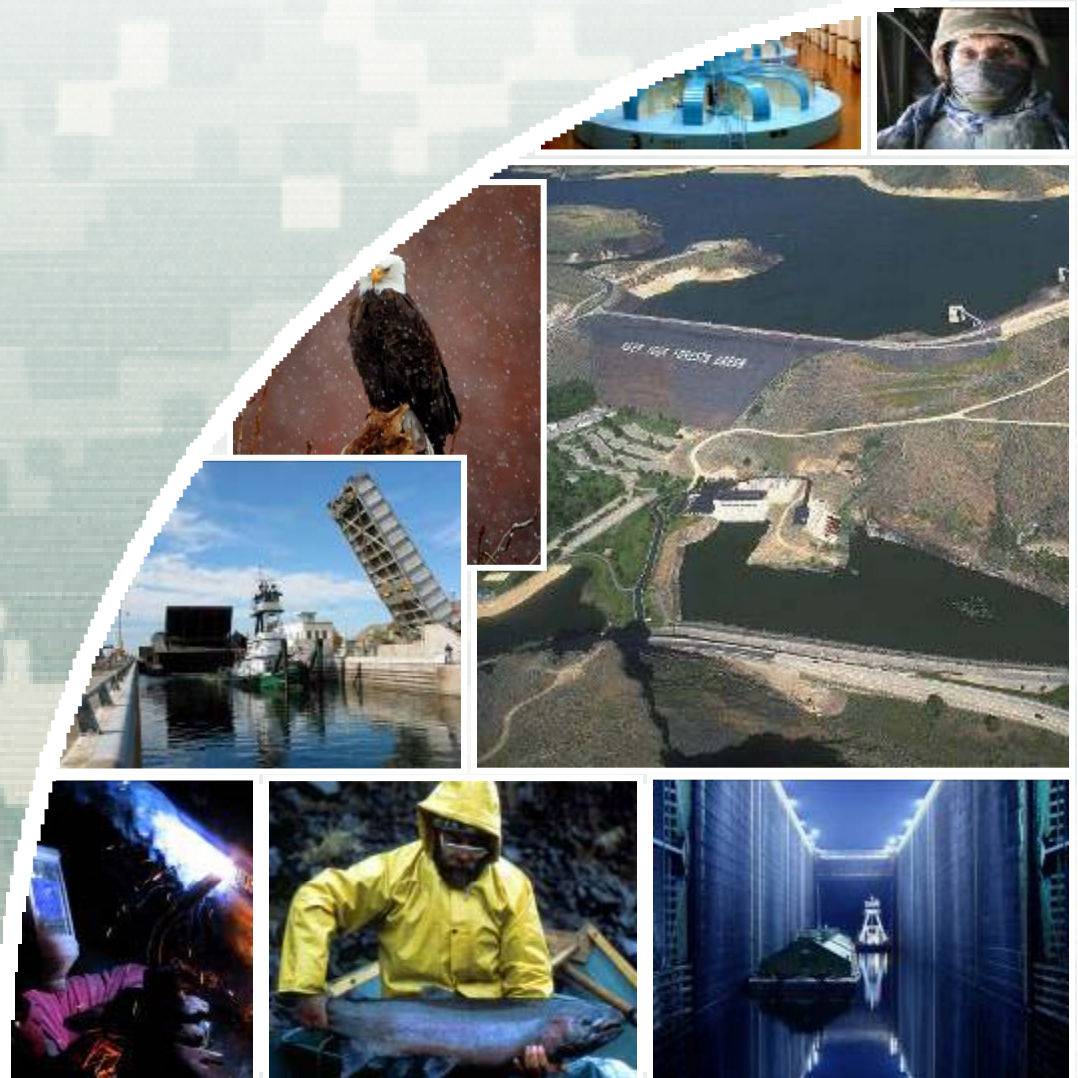
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Commander
Walla Walla District

October 13, 2009
PNWA Annual Meeting



US Army Corps of Engineers
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NWW & NWP Navigation Efforts

- Coordination between staff & users
 - Planning FY10 Standard Outage – 2-3 weeks in March
 - Planning FY11 Extended Outage – 12 weeks
 - 10 Year Navigation Project identification/outage planning
 - Re-energizing effort and will use data from condition assessments
- Goal: minimize planned and unplanned system closures
- Good news! We have funding for LoMo gate replacement
 - However, funding flow is causing us to break work into multiple outages and may result in disruptions we'd prefer to avoid



January-February 2010 LoMo Work (requires a watered lock)

- In addition to routine 6 March 2010 outage discussed on next slide
- 2-31 January 2010
 - Contractor hours: 6 a.m. – 6 p.m. Mon to Sat
 - 6 p.m. to 6 a.m. navigation open (night navigation)
 - Concrete spall -- Core drilling and anchor installation
 - Potential concrete removal
- Expected minimal impact to navigation
 - 22 Feb - 5 Mar 2010
 - May experience 1-2 hour delays for contractor to stop work and reposition for lockage
 - Concrete removal



March 2010 Outage Walla Walla District

- Lower Monumental:
 - 6 to 27 March 2010
 - Concrete lock wall interim repairs – O&M
 - Lock culvert wall repair: component of above project
- Ice Harbor:
 - 6 to 27 March 2010
 - Upstream gate anchor bolt replacement – O&M
- McNary
 - 6 to 21 March 2010
 - Navlock Derrick crane repairs – ARRA
- Little Goose
 - 6 to 21 March 2010
 - Downstream Miter Gate Inspection – O&M



Extended Outage

Dec 2010 to Mar 2011

(requires a dewatered lock)

- All Navigation Sites
 - Lock/gate and ancillary equipment inspections
 - Detailed maintenance and lubrication
 - Planned and newly discovered repair work
- Specifics
 - Lower Monumental DS Gate Replacement
 - Ice Harbor DS Gate Lifting Connection Repairs
 - 4 week contiguous window
 - McNary US Miter Gate Actuating Arm Repairs
 - 4 weeks
 - Lower Granite misc repairs
 - 6 weeks breakable into 2 week windows



LoMo Gate Replacement Specifics

- 8-day closure to dewater Nov/Dec 2009
 - For contractor to inspect gate
 - Requires a dewatered lock
 - Between Thanksgiving & Christmas 2009
 - Will coordinate any subsequent The Dalles outages with Portland District
- John Day Dam & The Dalles Dam closure
 - All LoMo Gate river-borne supplies must precede this window
- 1 Nov to 10 Dec 2010
 - LoMo Lock -- Contractor may request 12-hour outages for construction prep (crane setup)
 - Outages will be 6 a.m. to 6 p.m.
 - Contractor shall provide 90 days written notice...navigation community will have forewarning
- 10 Dec 2010 (6 a.m.) to 14 Mar 2011 (midnight)
 - LoMo lock outage to remove existing gate and install and test new gate
 - Includes gov't requirement to unwater the lock at the beginning and watering the lock back up after construction
- Developing unified Portland & Walla Walla District & Northwestern Division communication plan



Walla Walla District 2012 & Beyond

- Aging infrastructure – Inland Waterway Trust Fund impasse has potential to impact system reliability
 - LoMo Gate Replacement is fraction of \$27.5M navlock project
 - Until resolved, component repairs will be worked through annual O&M budget
 - Component repairs potentially increase long-term maintenance risks (versus rehabilitations)
- Little Goose miter gate permanent repair -- 2015
- McNary miter gate repair(s)
 - Details to be determined after Derrick Crane repairs & 2010 condition assessment



“Hard Rock” Dolphins

- 2 Mooring cells and 4 mooring dolphins upstream of Ice Harbor
- All dolphins require repair for long term use
 - 2 Mooring dolphins out of service (#4 non repairable; #5 repairable)
- Developing Plans & Specifications for interim repairs on #5
 - However, interim repair construction NOT funded
- Seeking best solution/method to replace dolphin function
 - Using input from CRTA
 - Seeking funding for design and construction



Inland Marine Transportation System

NWW Participating in Business Process Reviews in three categories to improve performance

Human Capital



- #1 asset for Corps Navigation
- Improvement pursuits
 - Assist in recruiting and hiring IMTS positions.
 - Train and Certify Lock personnel

System Availability



- The #1 customer priority
- Improvement pursuits
 - Scheduling Major Maintenance

Operational Improvements



- Key to customer service
- Improvement pursuits
 - Standard Locking Procedures



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2009 Adult Salmonid Returns

Adult Salmonid Passage at Bonneville and Lower Granite Dams

Chinook – 2009 2nd highest returns since Lower Granite constructed-1975

Steelhead – 2nd best return year since Bonneville counts began (1938)

Sockeye – Surpassed 2008 record at Lower Granite

Coho – 2009 returns starting

– 2008 record passage year at Lower Granite

Lamprey – Portland and Walla Walla Districts increasing efforts to reduce dam impact(s) on Lamprey migrations



Programmatic Sediment Mgmt Program (PSMP) Purpose

- Develop a long-term (20+ year) comprehensive, watershed approach for managing sediment inflow and deposition within the lower Snake River while maintaining authorized project purposes
- Identify dominant sources of sediment and potential sediment reduction measures in the watershed
- May identify requirements outside the Corps' authorities
 - Identified tasks may be the responsibility of other agencies
- Identify and evaluate feasible sediment management strategies within the reservoirs



Programmatic Sediment Mgmt Program (PSMP) Update

- Steady funding is important to meeting FY12 completion
- No immediate plan to dredge
 - Dredging will occur in response to actual requirements
 - Corps must demonstrate good faith efforts; otherwise notification about dredging may create a chain of costly legal challenges
- Collaborative Local Sediment Manage Group includes Federal Agencies and other stakeholders:
 - Ports, tow boaters and PNWA (river users)
 - States of Washington, Idaho, Oregon, etc.
 - Federal Agencies:
 - Environmental Protection Agency (EPA)
 - Forest Service
 - National Resource Conservation Service (NCRS)
 - Bureau of Land Management (BLM)
 - Environmental Organizations



Programmatic Sediment Mgmt Program (PSMP) Schedule

- FY06/07 – reprogrammed \$997K from internal district funds
- FY08 – \$2.8M
 - Initiated data collection and studies
 - Coordinated w/federal agencies & sediment management group (LSMG)
- FY09 – \$4.5M
 - Continued above data collection, studies, and coordination
- FY10 – \$5M
 - Continue above data collection and coordination
 - Develop potential sediment reduction/management strategies
 - Draft implementation plan & environmental impact statement (EIS)
- FY11 – capability \$3.5M
 - Complete data collection & release draft EIS
 - Public meetings & respond to draft document comments
- FY12 – capability \$1M
 - Release final EIS & sign record of decision (ROD)



Questions



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