

**OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- 16LWG 06 AWS Pump 1 return to service

COORDINATION DATE- 16 June 2016

PROJECT- Lower Granite Dam

RESPONSE DATE- 23 June 16

Description of the problem: Lower Granite normally operates the fish ladder with two auxiliary water supply (AWS) pumps in service and one in standby mode. Currently pumps 2 and 3 are in operation with pump 1 in standby pending bulkhead swap. Pump 1 needs to be brought on line and tested to ensure operational reliability following winter maintenance.

Type of outage required: AWS pumps will be taken out of service to swap discharge bulkheads from pump 2 to pump 1. If the test of pump 1 is successful, AWS pumps 1 and 3 will remain in operation.

Impact on facility operation: Reduced adult fish ladder collection channel elevation and flow for about one hour.

Dates of impacts/repairs: June 28, 2016 from 1500-1700.

Length of time for repairs: The swap and test are estimated to be completed in less than one hour if no unforeseen events occur.

Expected impacts on fish passage: To minimize impacts to adult passage the bulkhead swap and test is scheduled for 1500-1700 hours after the daily majority of adult Chinook pass over Lower Granite and June 28 before the bulk of adult sockeye passage season (see graphs below). The ten year average passage for Lower Granite ladder on June 28 is 717 adult chinook, 261 jack chinook, 16 steelhead, and 6 sockeye. Little or no impact to juvenile fish passage is expected.

Comments from agencies

-----Original Message-----

From: Tom Lorz [mailto:lort@critfc.org]

Sent: Thursday, June 16, 2016 3:42 PM

To: Moody, Gregory P NWW <Gregory.P.Moody@usace.army.mil>

Subject: [EXTERNAL] Re: MOC: AWS pump 1 testing at Lower Granite

sounds good but given the way sockeye are moving this year might want to see if you can move this forward. Chinook numbers look to be dropping and sockeye numbers are starting to increase in the lower snake , may not want to wait until June 28th.

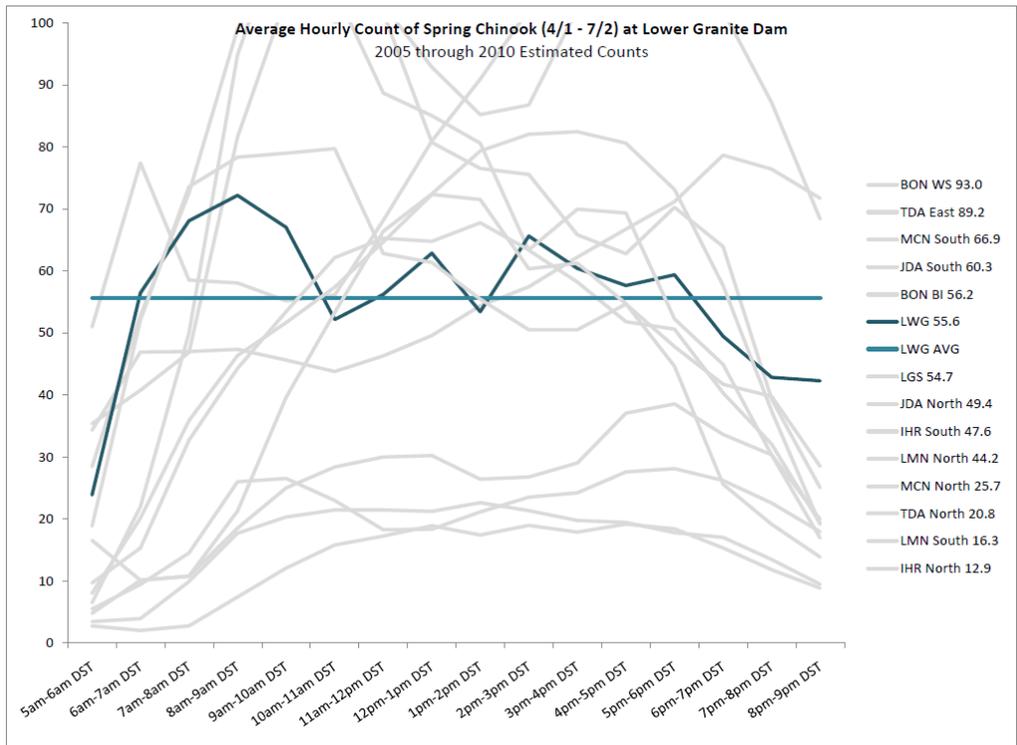
thanks tom

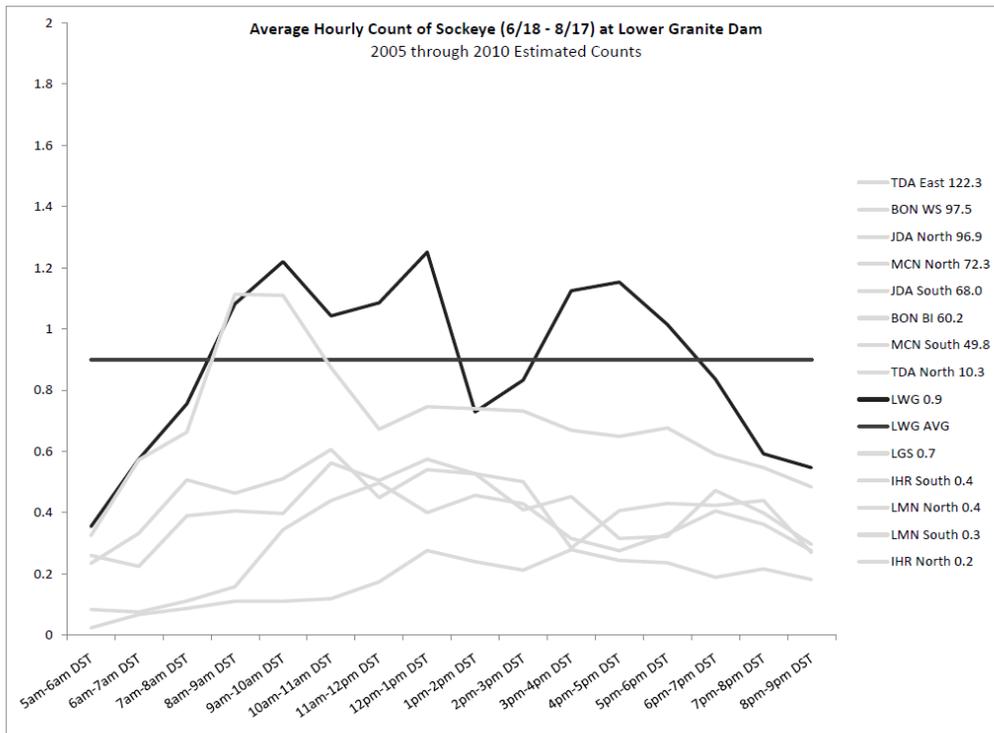
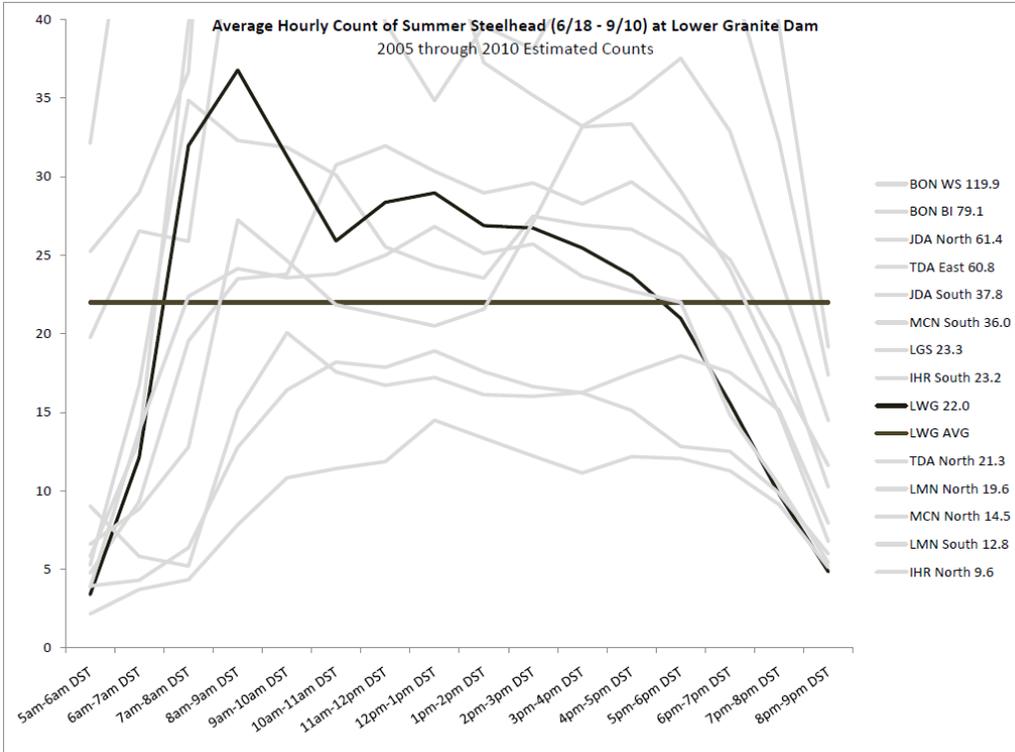
Final results: AWS pumps were taken out of service from 1500-1750 hours June 22. Pump 1 failed to start due to an electrical problem. The problem was identified as a faulty fuse that was replaced. The fish ladder remains in two pump operation with pumps 1 and 3 in service.

Please email or call with questions or concerns.

Thank you,

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Socketeye Adult Passage Counts
Lower Granite Dam Passage
Years 2006 - 2015

