

**OFFICIAL MEMO of COORDINATION (MOC) FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- 17 LGS 13 Adult Counting Window Cleaner Repair

COORDINATION DATE- July 10, 2017

PROJECT- Little Goose Dam

RESPONSE DATE – 21 July 2017

- 1. Description of problem:** Little Goose Dam adult counting station is currently operating an automatic cleaning system that was installed last winter. Currently the cleaning system is not operating satisfactorily and requires warranty work. All of the items that need to be adjusted or repaired are directly above the adult fish ladder, within the 50' buffer described in FPP, section LGS 2.1.1.
- 2. Type of outage required:** None
- 3. Dates of impacts/repairs:** Work will be conducted in conjunction with annual doble testing, the week of August 07 (FPP, Appendix A, Table A-1). During doble testing, unit priority may be impacted (FPP, LGS 4.3.5), potentially affecting fish attraction to the ladder entrances.
- 4. Length of time for repairs:** Repairs will likely take less than a day, but we would like to schedule the full week to cover any issues that contractors may find.
- 5. Impact on fish facility operation:** Fish facility operation will not be impacted.
- 6. Impact on project operations:** Work will be conducted during annual doble testing when unit priority is already impacted. There will be no additional impact on project operation.
- 7. Analysis of potential impacts to fish:** Work will be conducted during doble testing when fish attraction from turbine units is already disrupted and during a time of year that adult passage is low (Graph 1 and 2). The 10-year average daily passage during the week of August 07 is 61 and 364 adult Chinook salmon and steelhead, respectively. Additionally, the number of returning adult sockeye salmon is much less than previous years and the peak run should have already crossed Little Goose (Graph 3).
- 8. Final judgement on scale of expected impacts:** All work will be conducted on permanent platforms above the fish viewing windows and the impact to adult fish passage will be minimal.
- 9. Comments from agencies.**

No comments received

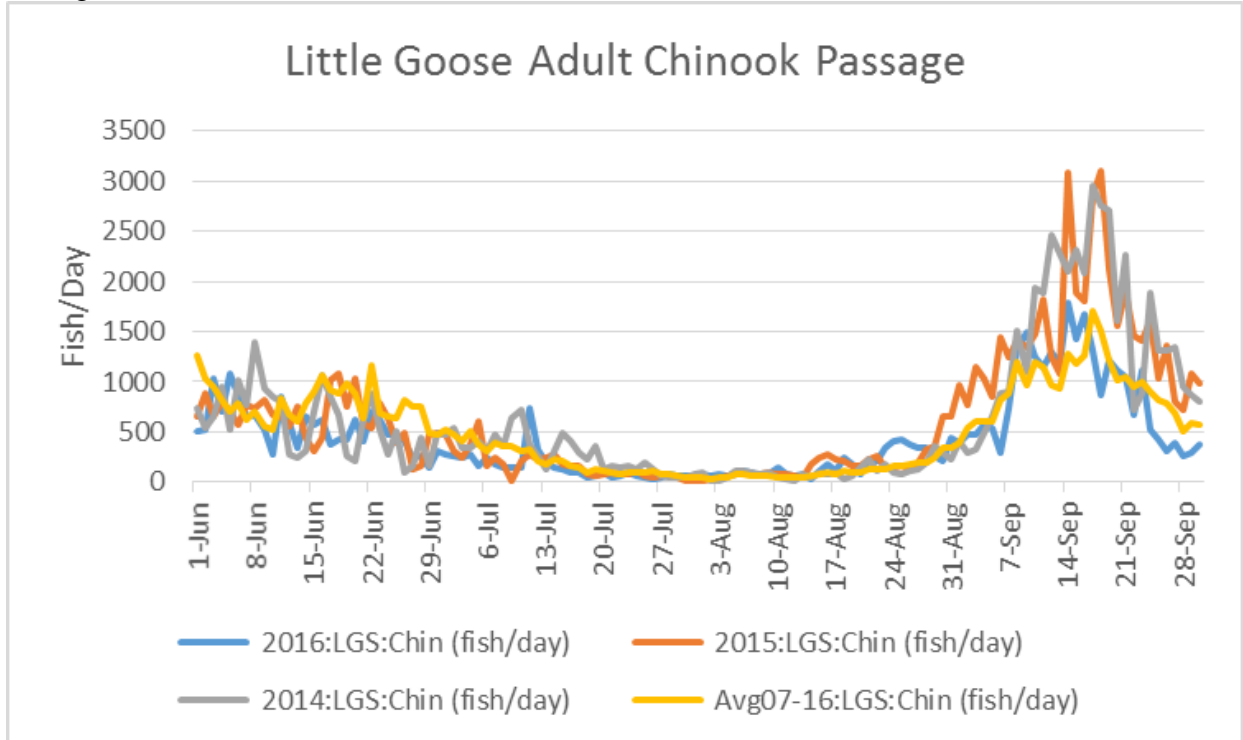
10. Final coordination results.

Approved

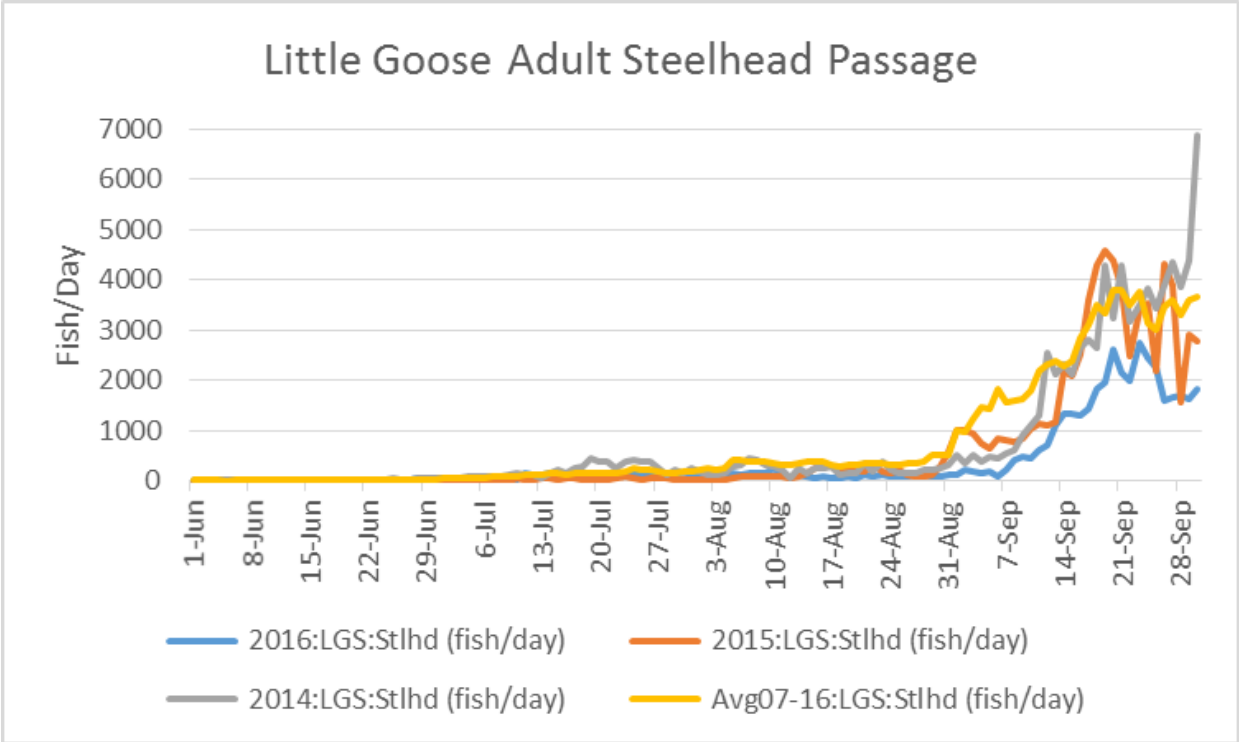
11. After Action update.

Work was completed as planned. No issues developed

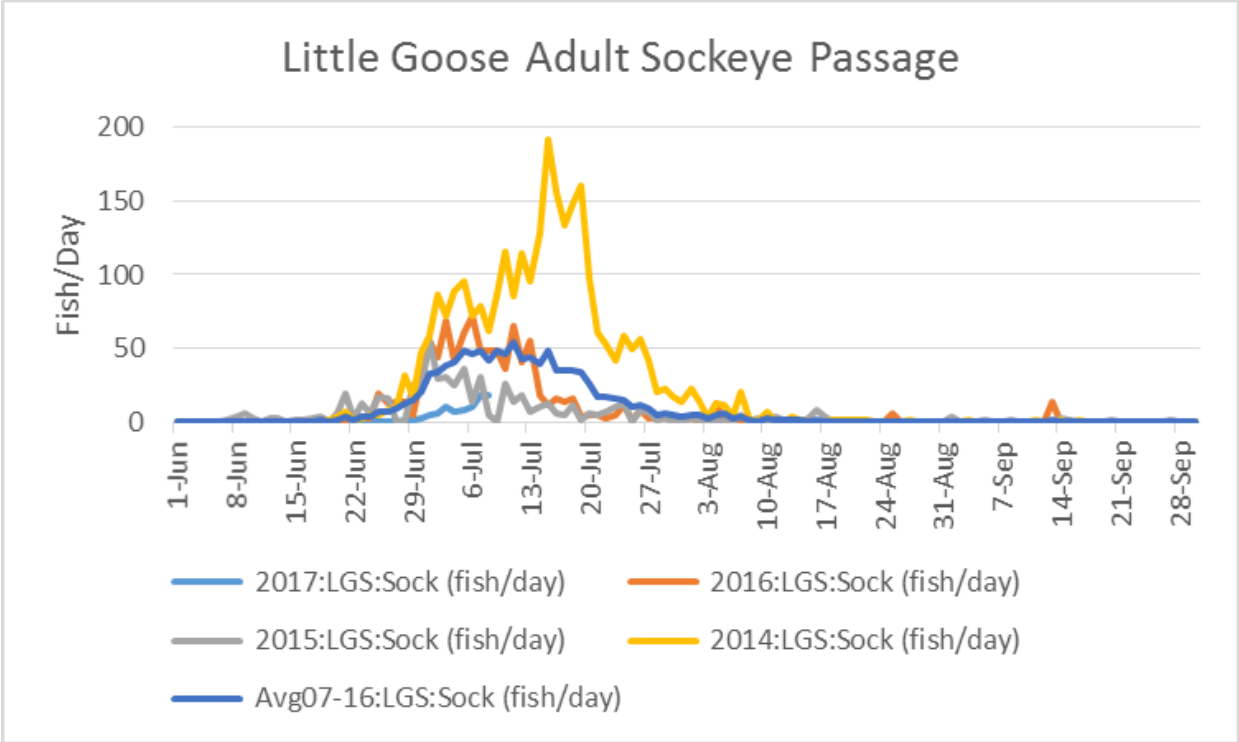
Graph 1: Adult chinook salmon passage, Little Goose Dam 2014, 2015, 2016 and 10-year average.



Graph 2: Adult steelhead passage, Little Goose Dam 2014, 2015, 2016 and 10-year average.



Graph 3: Adult sockeye salmon passage, Little Goose Dam 2014, 2015, 2016, 2017 and 10-year average.



Please email or call with questions or concerns.

Thank you,

Scott St. John

Little Goose Dam

Project Biologist

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