

FINAL AGENDA

TECHNICAL WORKSHOP ON PACIFIC LAMPREY PASSAGE OVER MID-COLUMBIA DAMS

JUNE 8, 2016

DOUGLAS PUD HEADQUARTERS

1151 VALLEY MALL PARKWAY

EAST WENATCHEE, WASHINGTON 98802

To reserve a space at the workshop please contact Kristi Geris at kgeris@anchorqea.com or (509) 491-3151 EXT 104

CONFERENCE LINE CALL-IN NUMBER: 1.866.469.3239

ATTENDEE ACCESS CODE: 213 390 50

9:00–9:20

Welcome, Introductions, and Workshop Goals — John Ferguson

- Issue: Critical scientific uncertainty regarding the causes of poor adult Pacific lamprey passage conversion from Rocky Reach Dam, through the Rocky Reach Reservoir, and over Wells Dam
- Workshop Goals:
 - Identify critical uncertainties that need resolution
 - Discuss and adjust the 2016 study design for lamprey passage at Wells and Rocky Reach reservoir where needed and within any implementation constraints
 - Establish the scientific foundation for longer-term studies
 - Partition out where adults may be going and where they may be lost to premature mortality; determine more accurate conversion rates
 - Aid in the prioritization of available study fish
 - Begin development of a more integrated approach to lamprey passage investigations at Mid-Columbia dams
- Scope: The focus of today's workshop is passage through the Rocky Reach Dam and reservoir and Wells Dam; the Aquatic Settlement Workgroup will focus on fish exiting Wells Reservoir at future meetings.

9:20–9:45

Review of Wells Dam FERC License Requirements and Results of Prior Research and Passage Improvement Actions — Andrew Gingerich or Chas Kyger

- Review license requirements
- Absence of NNI from Douglas' PLMP
- Review past studies
- Summarize observations and conclusions made to date
- Provide overview of 2016 study plan and objectives
- Forecast anticipated studies over next 2–4 years

9:45–10:10

Review of Rocky Reach Dam FERC License Requirements and Results of Prior Research and Passage Improvement Actions — Steve Hemstrom

- Review license requirements
- Review past studies
- Summarize observations and conclusions made to date
- Provide overview of any 2016 study plans and objectives
- Forecast anticipated studies over next 2–4 years

10:10 – 10:25

Break

10:25–11:25

Discussion to Identify Critical Uncertainties and Questions — John Ferguson and Tracy Hillman

- Are fish lost in the Rocky Reach reservoir? If so, where?
- Do fish move into the Entiat River? If so, in what proportion? (note - DCPUD has some preliminary data to share)
- Are fish overwintering or spawning below Wells Dam?
- Is passage lamprey behavior due to a lack of pheromone attraction from above Wells Dam?
- Are fish falling back over Rocky Reach and re-ascending?
- Are fish approaching but rejecting Wells Dam adult collection system entrances, or entering the collection system and falling out?
- What are the survival model requirements?
- What are the sample size and fish source requirements?
- Are there other critical uncertainties to identify?

- 11:25–12:00** **Discussion of How (or Whether) to Adjust 2016 Study Plans for Wells and Rocky Reach Dams — John Ferguson and Tracy Hillman**
- Wells Dam
 - Rocky Reach Dam
 - Goal: Understand potential adjustments to the study designs so the Districts can initiate the changes in time for the 2016 field season
- 12:00 – 13:00** **Lunch (please provide your own)**
- 13:00–14:00** **Continued Discussion of How (or Whether) to Adjust 2016 Study Plans for Wells and Rocky Reach Dams — John Ferguson and Tracy Hillman**
- Wells Dam
 - Rocky Reach Dam
 - Goal: Understand potential adjustments to the study designs so the Districts can initiate the changes in time for the 2016 field season
- 14:00 – 15:00** **Closing Remarks and Future Year Planning for Rocky Reach and Wells dams**
- Provide perspectives, in general, on how to address critical passage uncertainties in the future and timelines
 - Objective is to identify areas of agreement and disagreement
 - Identify any needed actions ahead of 2017:
 - How can detection or coverage be improved in the Entiat River? (note - DCPUD has some preliminary data to share)
 - What overwintering studies could be performed?
 - What statistical models could be developed?
 - What fish sources are required to meet test objectives?
 - What equipment would be needed and deployed?
 - Are there any issues that need resolution between 2016 and 2017?
 - Discuss the need for future workshops

