

Meeting Agenda



Aquatic Settlement Work Group

Date: Monday, June 12, 2017

Time: 9:00 a.m. to 1:00 p.m.

Location: Douglas PUD Headquarters in East Wenatchee, Washington

Conference line call-in number: 1.866.469.3239

Attendee Access Code: 213 390 50

<https://aq.webex.com/aq/j.php?MTID=m39aea89918228ce3a9cccc739db5002e>

- I. Welcome, Review Agenda, Approval of May 10, 2017 Meeting Minutes, and Review of Last Meeting's Action Items (John Ferguson)
- II. BY2016 Wells Hatchery White Sturgeon Rearing Update (Andrew Gingerich)
- III. 2017 Water Quality and Water Year Update (Andrew Gingerich)
- IV. Pacific Lamprey (see below) (All)

Objectives

1. For each of the three areas of study (Wells Dam, reservoirs, translocation) and hypotheses identified to date under each area, discuss key objectives, potential study designs, assumptions, potential methodologies to be used, expected outcomes, and how to interpret the data and expected outcomes.
2. Approach for each hypothesis:
 - a. Douglas PUD provides brief update on historical data
 - b. Open discussion to identify objectives, study designs, assumptions, etc.
 - c. Ferguson to summarize areas of consensus and disagreement
3. Outline plans for 2018 and 2019 studies, identifying priorities for 2018, or at least next steps for identify 2018 priorities and plans.

Passage at Wells Dam; Ho: 1 (poor hydraulic conditions for lamprey); 5 (changes at Wells Dam); and 6 (changes to Wells spill playbook)

1. Approach behavior
2. Tailrace and fishway entrance behavior

3. Fishway entrance efficiency
4. Passage behavior and efficiency through AWS chambers
5. Passage behavior and efficiency through ladder, salmonid trap, count station, and ladder exit

Three bins of topics: 1) tailrace, entrance, and fish ladder studies focusing on what is central in Section 4 of the ASA PLMP; 2) what is happening in the Rocky Reach reservoir and addressing whether this behavior is it related to Wells Dam; and 3) translocation as an ultimate solution to the study design problems and/or stock status issues.

Passage Through Rocky Reach and Wells Reservoirs; Ho: 2 (fate and spawning in RR reservoir); 3 (lack of juvenile and adult pheromones); 4 (upper dam bioenergetics)

1. Assess Rocky Reach reservoir substrate at known last locations of AT fish for indications of spawning habitat (ARIS, DIDSON, etc.)
2. Sample for indications of successful spawning (eDNA)
3. White sturgeon and lamprey interactions (review white sturgeon M&E data)
4. Verify turnoff into Entiat River (PIT tag data, USFWS survey data)
5. Wells reservoir behavior is similar or different from Rocky Reach (AT translocated fish)

Translocation; Ho: 3 (lack of juvenile and adult pheromones)

1. Discuss study designs, sample sizes required, fish sources, expected timelines and outcomes, release locations (to potentially address Ho 1 – 6)

Next meeting: July 12, 2017 (TBD)