



Aquatic Resource Work Group

Date: July 15, 2008

Time: 9:00 am – 10:00 am

Location: Conference Call

Agenda

Sign-In Sheet

Meeting Notes



Agenda

Aquatic Resources Work Group

Wells Hydroelectric Project Relicensing
Douglas County PUD
July 15, 2008

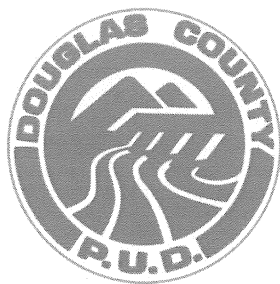
Meeting Location: **Conference Call Hosted By Douglas PUD**
Conference Call: 9:00 am – 10:00 am
Conference Call Number: 509-881-2990, X327831

Meeting Coordinators: **Bao Le (503) 309-9423**

Meeting Goals: **1. Discuss and approve the proposed changes in methodology to the 2008 Wells Pacific Lamprey Passage Study.**

Proposed Changes:

- 1. Increase the number of fish captured at Wells Dam and ensure that the target sample size is met to provide accurate passage metrics.**
- 2. Obtain more accurate residence and passage metrics from the tailrace and lower fishway.**



Wells Project Relicensing Aquatic Resource Work Group

DATE: July 15, 2008

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Initials	Name	Affiliation Name	Email
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Meeting Notes Summary

Aquatic Resources Work Group

Wells Hydroelectric Project Relicensing
Douglas County PUD
July 15, 2008

Meeting Coordinator: Bao Le, (503) 309-9423

Meeting Objectives: 1. Discuss and approve the proposed changes in methodology to the 2008 Wells Pacific Lamprey Passage Study (2008 Adult Lamprey Passage Study).

Action Items:

1. Provide Aquatic RWG members with the memo detailing proposal to use an ethanol/clove oil mixture for radio-telemetry surgeries in support of the 2008 Adult Lamprey Passage Study.

Discussion Topics:

Proposed Changes in Methodology to the 2008 Adult Lamprey Passage Study

1. Increase the number of fish captured and tagged at Wells Dam

- Increase trapping efficiency (*perforated floor plate installed in bottom of weir orifices at trapping pools during winter of '07/'08*);
- Decrease trap escapement (*one-way entrance to trap, modification to be installed during July 2008*);
- Supplement catch at Wells with lamprey transported from Rocky Reach Dam (*2007 results indicate similar behavior to fish trapped at Wells Dam*);

2. Obtain more accurate residence and passage metrics from the tailrace and lower fishway

- Decrease or eliminate mid-ladder releases (*data from 2007 indicated that lamprey passage through this portion of Wells Dam is both timely and efficient*);
- Increase releases into the tailrace and collection gallery (*increased sample size below the fishway will help to better understand entrance efficiency and behavior in the lower fishway*);

- Add a release location to the collection gallery (*increased sample size inside the lower fishway will help to better understand passage efficiency and behavior in the lower fishway*);
- Enhance the ability to detect tagged fish in the areas of interest
 - *Relocated the side gate antenna to mid-collection gallery at a location that will provide insight to route of travel through the gallery and above diffuser grating;*
 - *Split the AWS antennas to separate channels as to distinguish between detections in the lower and upper AWS/collection gallery;*
 - *Test/adjust all antennas as to optimize detection abilities throughout the project;*
 - *Increase occurrence of nighttime deep-water mobile surveys to obtain more data from tailrace and entrances.*

3. During surgical procedures (tag implantation), utilize an ethanol and clove oil mixture in water to facilitate quicker sedation and recovery times

Items of Agreement:

The Aquatic RWG approved of all of the above proposed changes to the 2008 Adult Lamprey Passage Study.