

COLUMBIA BASIN FISH & WILDLIFE FOUNDATION

851 SW Sixth Avenue, Suite 250
Portland, Oregon 97204-1339

DATE: August 1, 2012
TO: Fish Screen Oversight Committee
FROM: Neil Ward (CBFWF)
SUBJECT: Final Action Notes for the July 26, 2012 FSOC Teleconference

Fish Screen Oversight Committee Meeting
July 26, 2012
CBFWF Office – Portland, OR

Final Action Notes

Attendees: Neil Ward (CBFWF)

By Phone: Lynn Stratton (IDFG), Alan Ritchey (ODFW), Martin Olson (ODFW), Bryan Nordlund (NOAA), Pete Baki (ODFW)

ITEM 1: Introductions and Approve Agenda

Discussion: Bryan Nordlund requested an opportunity to discuss a review of the RIVERSCREEN. Subsequently, Item 5 was added to the agenda.

ITEM 2: Review and Approve as Final Draft Action Notes

ACTION: The draft action notes for the April 26, 2012 FSOC meeting were reviewed and approved as final.

ITEM 3: 2012 Fish Passage Training Session (September 17-20, 2012): Update

Discussion: The 2012 Fish Passage Training Session is scheduled for September 17-20, 2012 in Hood River with the host hotel being the Best Western. The meeting capacity has been set at 60 with a registration cost of \$160. Site visits and training will focus on tributary facilities addressing upstream and downstream concerns, and will not be limited to anadromous fish. Neil Ward indicated that to date, close to 30 individuals, representing a broad-range of entities, have registered for the training session. Neil indicated that many of the regular FSOC participants have yet to register and recommended that although registration does not close until August 31, 2012, those intending to attend should reserve a room, as the block of rooms will be released August 20, 2012. In addition, Neil stressed that the number of rooms, at the government rate, is limited.

During the April 26th FSOC meeting, the following tasks were identified. Following each of the tasks is an update from those that volunteered to assist with the effort.

- *Solicit for sponsors:* Alan Ritchey and Neil Ward indicated Dave Ward confirmed that HDR will sponsor an evening social. Alan emphasized the importance of ensuring HDR's sponsorship is acknowledged in the meeting program as well as with signage at the social.

- *A two group site visit agenda that includes visiting a culvert and the site of a*

former dam: Because of space limitations at some of the sites, Martin Olson provided an updated site visit itinerary that is capable of accommodating two groups. The updated itinerary includes plans to split the attendees into two groups with one group starting its tour by viewing sites in Washington and the other starting in Oregon. Marty indicated that the site visits will include a stop at the Viento State Park to view a large culvert under I-84. The culvert is slightly undersized and utilizes baffles to provide passage and retain bedload. This site will illustrate the difficult and sometimes high cost of fish passage on small streams. Marty also indicated that the former site of Condit Dam would be one of the sites that participants will have an opportunity to visit. The remains of the dam should be completely gone by September and participants should be able to view the former lake bed and the fluvial processes associated with the project. Bryan Nordlund indicated that PacifiCorp would be able to provide tours.

- *Registration forms have a "box" for registrants to check if they will be participating in the site visit as well as the type of lunch they prefer (i.e., ham, turkey, vegetarian, etc.)*: Neil Ward informed the participants the registration forms were void of a food preference section because when the registration materials were released, he was still attempting to negotiate the food options that would be made available to the participants. Neil indicated that after registration closes, he will distribute a request to the registrants asking that they identify their meal choices.

- *Arrange transportation (15-passenger vans)*: Neil Ward indicated that four 15-passenger vans have been reserved for the site visits. Once registration closes, Neil will be in contact with the registrants to confirm whether they are participating in the site visits.

- *Outline updates*: Bryan Nordlund indicated no changes have been made to the outline and that the current outline does include references to bull trout and that he will include a smelt discussion. Bryan did confirm that continuing education credits would be available to the participants. Neil indicated that he would be distributing a meeting reminder during the week of July 30th and suggested that the announcement should include a note that continuing education credits will be available to meeting participants. Bryan will provide Neil with the appropriate verbiage.

- *Contact Mary Moser and Matt Mesa to confirm topics*: Neil contacted Mary and Matt and that Mary. Unfortunately, Mary will not be able participate. Neil will be working with Matt during the upcoming month to finalize what will be presented.

- *Contact Mike Love to discuss the topics that he will cover and the amount of time he will need for each item*: Neil Ward reported the information that Dan Shively provided regarding Mike's status. Although Mike will not be able to participate in the site visits, he will be providing a presentation, as planned, Thursday afternoon (2:40 - 5:00). Mike suggested that he would also include a 30-minute overview and demonstration of Fish X-ing. Participants recommended that Neil contact Mike to inquire whether he would like some additional time.

ITEM 4: Criteria for Upstream Juvenile Passage: Progress Report

Discussion: The FSOC agreed in October 2011 that recommending a specific criterion (number) for juvenile passage is not appropriate, but developing a consistent process to follow is. Ken Loffink volunteered to take the lead on drafting the framework for a process.

In January 2012, Ken presented a decision-tree regarding juvenile jump criteria. Comments on the draft template were generally favorable: however, most recognized it as only the beginning of this process. The FSOC agreed to assign further development of the template to a subgroup.

During the March 20, April 16, and May 30, 2012 subgroup meetings, the group continued to discuss a potential decision process that managers could use to identify appropriate upstream passage systems for juveniles (not limited to salmonids) and adult anadromous salmonids. It was reiterated that the focus of the effort is for tributary structures, not mainstem dams. During these meetings participants emphasized that the first step in the process must be the identification of species and life history stages that are in need of upstream passage, as well as the need to characterize specific areas (i.e., rearing, migratory corridor, rearing for outmigration) in a basin, swim speed data, run timing, and behavioral passage traits. Also, the group discussed the need to identify biological limiting factors that could be influencing presence/absence and behavior, as well as potential sources from which the information could be obtained.

Bryan Nordlund updated the participants on the subgroup's progress and described the potential procedural steps that should be considered when evaluating upstream juvenile passage. Bryan indicated that the group is at a point in the development of the criteria that requires an effort to resolve what constitutes start and end points as well resolving conflicting criteria. Participants stressed that despite this effort, the criteria will not replace existing state rules and statutes.

Participants suggested that the Fish Passage Training Session could provide an opportunity to engage the meeting participants in a discussion regarding the proposed criteria. In addition, subgroup participants acknowledged that there appears to be a need to reconvene the subgroup in preparation for the upcoming training session.

ACTION: During the week of July 30th, Neil Ward will poll the subgroup to identify potential dates and times to meet during August.

ITEM 5: Riverscreen Review

Discussion: Bryan Nordlund briefed the participants on an ODFW request for his analysis of the RIVERSCREEN, a rotating water-driven self-cleaning screen that is available commercially. Bryan suggested that his analysis refutes some of performance features reported by Riverscreen, specifically that they achieve regional screen approach velocity criterion. Bryan indicated that the methodology used in the prior Riverscreen hydraulic evaluation, was not appropriate for measuring approach velocity for a fixed end of pipe screen. Specifically, Bryan emphasized that the distance at which approach velocity was measured in the evaluation (i.e., 2-6 inches from the screen surface) did not measure screen approach velocity.

Instead, it measured velocity of the flow approaching the screen. Since this effectively doubled or tripled the flow area as compared to the screen face, the reported velocities were subsequently low. Bryan suggested that if extrapolated to the screen face, the approach velocity value would actually double or triple over that measured, depending on the distance from the screen face and the diameter of the screen. Bryan did indicate that the screen could work in some situations, but it would need to be checked for adherence to regional approach velocity criterion by calculating approach velocity based on actual submerged screen area and flow, as with any type of fixed end of pipe screen. He also mentioned that offsets from structure would need to be checked to verify adherence to regional screen criteria to assure that adult fish could swim upstream past the floating Riverscreen structure, and to assure that velocity near the structure allowed smaller fish to escape the flow net from the screen. For more information about the analysis, please contact Bryan directly.

ITEM 6: Next Meeting

FSOC Teleconference Meeting

Thursday, October 25, 2012

8:30 – 11:30 a.m. (Pacific)

@ CBFWF Office - Portland, Oregon

Teleconference (503) 229-0449 Id: 958414

WebEx has been arranged for this meeting:

Select: [FSOC WebEx Logon](#)

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Meeting password: fsoc (lower case)

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