



COLUMBIA BASIN FISH AND WILDLIFE AUTHORITY

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DATE: May 2, 2012
TO: Fish Screening Oversight Committee (FSOC)
FROM: Neil Ward (CBFWA)
SUBJECT: April 26, 2012 FSOC Teleconference Final Action Notes

Coordinating and promoting effective protection and restoration of fish, wildlife, and their habitat in the Columbia River Basin.

The Authority is comprised of the following tribes and government agencies:

Burns Paiute Tribe

Confederated Tribes of the Umatilla Indian Reservation

Confederated Tribes of the Warm Springs Reservation

Confederated Tribes and Bands of the Yakama Nation

Fort McDermitt Tribes of Oregon and Nevada

Kootenai Tribe of Idaho

National Marine Fisheries Service

Shoshone-Bannock Tribes of Fort Hall

Shoshone-Paiute Tribes of Duck Valley

U.S. Fish & Wildlife Service

Coordinating Agencies

Columbia River Inter-Tribal Fish Commission

Compact of the Upper Snake River Tribes

Upper Columbia United Tribes

Fish Screening Oversight Committee Teleconference
Thursday, April 26, 2012
Portland, OR

Final Action Notes

Attendees:	Dave Ward (HDR) and Neil Ward (CBFWF)
By Phone:	Jamie Swan (BPA), Jody Brostrom (USFWS), Bryan Nordlund (NMFS), Alan Ritchey (ODFW), Pat Schille (WDFW), Lynn Stratton (IDFG), Paddy Murphy (IDFG), Martin Olson (ODFW), Rich Turner (NMFS), Dan Shively (USFWS), Austin Bloom (OBEC), Ken Loffink (ODFW), Pete Baki (ODFW), Julie Henning (WDFW)
ITEM 1:	Introductions
ITEM 2:	Approve Agenda
	No additional items were added to the agenda.
ITEM 3:	Approve Action Notes from January 26, 2012 Meeting
Action:	The draft action notes for the January 26, 2012 meeting were approved.
ITEM 4:	Mitchell Act Funding Update
Discussion:	Rich Turner briefed the FSOC on current and proposed Mitchell Act funding for fish screens and fishways. Rich indicated that for FY 2012, a budget of \$3.78 million was established representing a 1.135% (\$45,176) reduction from FY 2011. Rich also indicated that although there is uncertainty, the funding level for FY 2013 may remain stable. Also discussed was the USFWS's FRIMA program. Dan Shively informed the participants that FY 2007 was the last year there were funds for voluntary fish screening and passage projects associated with water diversions in Idaho, Oregon, Washington, and western Montana. The Act was reauthorized in 2009 and is valid through 2015. Unfortunately, when the Act was reauthorized, there were no funds allocated as it was never part of the President's budget.
ITEM 5:	2012 Fish Passage Training Session (September 17-20, 2012): Update
	The 2012 Fish Passage Screen 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. A registration cost of approximately \$150 was viewed as reasonable.

	<p>Site visits and training will focus on tributary facilities addressing upstream and downstream concerns, and will not be limited to anadromous fish. During the January 26, 2012 FSOC meeting, participants agreed the session should start with an overview during the afternoon of Monday, September 17. Site visits will be scheduled for the entire day on Tuesday with Wednesday and Thursday dedicated to training in the classroom.</p>
<p>Discussion and Assignments:</p>	<p>Bryan Nordlund led the participants in a review of his draft agenda for the training session while Martin Olson described potential site visits. The following is an overview of the tentative plans as well as assignments for which participants volunteered to complete:</p> <p><u>Monday, September 17, 2012</u></p> <p>8:00 AM – Noon: Optional site visit</p> <p>Potential sites include Hemlock Dam or the former site of Condit Dam.</p> <ul style="list-style-type: none"> - <i>Bryan Nordlund will contact PacifiCorp regarding potential opportunities to visit the former site of Condit Dam.</i> - <i>Neil Ward will arrange transportation and box-lunches.</i> - <i>Neil Ward will ensure the registration form for the meeting includes a spot for registrants to select the optional site visit. The optional site visit will require the participating participants to pay an extra fee to cover the costs of the van and box lunch.</i> <p>2:00 PM – 5:00 PM:</p> <p>Session 1: Course Introduction (Bryan Nordlund and Alan Ritchey/Martin Olson)</p> <p>Topics: Objectives of Passage Instruction – Safe, Timely, and Efficient Passage</p> <ul style="list-style-type: none"> - Take home introductory message (Bryan Nordlund) - Field trip briefing (Alan Ritchey and Martin Olson) - Course logistics <ul style="list-style-type: none"> - <i>Participants expressed a concern that that there does not appear to be enough information for a three-hour time slot.</i> - <i>Participants suggested adding a “Basic Biology” section to Session 1.</i> - <i>Bryan Nordlund will continue to develop the Session 1 outline.</i> <p>7:00 PM– 9:00 PM:</p> <p>Evening Social</p> <ul style="list-style-type: none"> - <i>Alan Ritchey and Neil Ward will solicit for sponsors. Dave Ward suggested that HDP could be a potential sponsor.</i> <p><u>Tuesday, September 18, 2012</u></p> <p>7:30 AM – 5:00 PM: Site Visits</p> <p>Session 2: Field Trip (Alan Ritchey and Martin Olson)</p> <ul style="list-style-type: none"> - Powerdale Dam - Discuss removal - Dual bay Farmers Screen located in the upper Hood River Valley (Coe Branch Diversion) - Les Perkins (FCA) and the Craig Dehart (Middle Fork Irrigation

	<p>District manager) will lead the participants in a visit to view a diversion that is capable of diverting up to 30cfs to irrigate mainly fruit trees.</p> <ul style="list-style-type: none"> - Proposed fish ladder at Laurance Dam - Testing the effectiveness of current fish screen technology with juvenile lamprey - Matt Mesa (USGS) anticipates the test facility will be operational by September. - ISI Cone screen located on the East Fork of the Hood River - Used to divert water to acclimation ponds operated by the Warm Springs Confederated Tribes. Because water is not being diverted at the time of the site visit, the cone screen will not be in operation; however, participants will be able to view the structure. - Fish ladder at Moving Falls – Fish ladder spans the East Fork Hood River and since its completion problems have persisted due to currents. Extensive work is being performed on the structure and could provide opportunities to view in-stream construction techniques. <ul style="list-style-type: none"> - <i>Due to potential space limitations at the USGS facility, meeting participants suggested dividing the site visit participants into two tour groups. Working together, Neil Ward and Martin Olson will develop a two group site visit agenda.</i> - <i>Since Mike Love will be participating in the site visits, participants suggested the visit should include culvert passage sites or projects. Martin Olson will look into existing culverts or projects that would serve as good sites for visits.</i> - <i>Since the tour will proceed through Washington, participants suggested including a site visit to Hemlock Dam or the former location of Condit Dam. Bryan Nordlund will be contacting PacifCorp.</i> - <i>Neil Ward will ensure the 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.)</i> - <i>Due to road conditions, participants stressed the need for vans during the visit to the Coe Branch. Participants also agreed that tour participants should not be expected to walk along the road leading to the Coe site and instead the vans should be driven as close to the site as possible.</i> - <i>Neil Ward will arrange transportation (15-passenger vans) and lunches. Due to the size and conditions of the roads, meeting participants recommended that vans would be the best form of transportation. For legal reasons, it is likely commercial drivers will be required.</i> <p><u>Wednesday, September 19, 2012</u></p> <p>8:00 AM – 5:00 PM</p> <p>Session 3: Juvenile Fish Screen and Bypass Systems (Bryan Nordlund and others)</p> <p>Topics:</p> <ul style="list-style-type: none"> -Purpose of screening -History of fish screening
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	<ul style="list-style-type: none"> -Guiding principles forming foundation of screening criteria -Fish biology and behavior as applied to screening -Screen types (descriptions, criteria, benefits, disadvantages, and appropriate uses) -Screen design -Bypass design -Monitoring, evaluations, and O&M <ul style="list-style-type: none"> - <i>The topics presented above were originally scheduled for Thursday, September 20; however, meeting participants agreed that the classroom session should begin with general background information.</i> - <i>IDFG suggested they could provide a presentation relative to the Monitoring, evaluation, and O&M topic.</i> - <i>Box lunches will be provided and Neil Ward will make those arrangements. Providing lunches will increase the registration fees.</i> <p><u>Thursday, September 20, 2012</u></p> <p>8:00 AM – 9:00 AM</p> <p>Session 4: Resolving Fishway Operational Problems (Ray Gilmore and others)</p> <p>9:00 AM – 10:00 AM</p> <p>Session 5: Resolving Site Issues in Screen and Bypass Systems (Bryan Nordlund)</p> <p>Topics:</p> <ul style="list-style-type: none"> - Sediment management - Unbalanced approach velocity - Low flow operations – bypass and instream <p>10:00 AM -10:20 AM (BREAK)</p> <p>10:20 AM – Noon</p> <p>Session 6: Introduction to Upstream Fish Passage Systems (Ken Loffink)</p> <p>Topics:</p> <ul style="list-style-type: none"> - Design approach-pass the right fish at the right time - Design data requirements - Design species, life stage - FSOC method that the subgroup is developing - Project assessment - Procedures-fishway design flows - Criteria review and project overview - Monitoring and O&M <ul style="list-style-type: none"> - <i>Participants expressed an interest in a presentation from the USFWS or</i>
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	<p><i>the states for which the focus is on species other than anadromous fish.</i></p> <ul style="list-style-type: none"> - <i>Because of the increasing interest in smelt, meeting participants recommended that a smelt discussion be included on the agenda.</i> <p>Noon – 1:00 PM (LUNCH)</p> <ul style="list-style-type: none"> - <i>Box lunches will be provided and Neil Ward will make those arrangements. Providing lunches will increase the registration fees.</i> <p>1:00 PM – 2:20 PM</p> <p>Session 7: Lamprey Passage (Mary Moser and Matt Mesa)</p> <ul style="list-style-type: none"> - <i>Neil Ward will contact Mary and Matt to confirm the topics that they will cover and their needs relative to time. The participants suggested that Mary and Matt focus on upstream passage and screens, respectively.</i> <p>2:40 PM – 5:00 PM</p> <p>Session 8: Upstream Fish Passage Systems (Mike Love)</p> <p>Topics:</p> <ul style="list-style-type: none"> - Types of passage structures - Culverts - Roughened channels - Stream simulation - Cross-stream weirs <ul style="list-style-type: none"> - <i>Dan Shively will contact Mike Love to discuss the topics (e.g., select species or general overviews) that Mike will cover and the amount of time that he will need for each item.</i> <p><u>Friday, September 21, 2012</u></p> <p>Upriver Bright “sampling” (with only three boats being available, participation will be limited)</p> <ul style="list-style-type: none"> - <i>Participants agreed that while registering, registrants will have to indicate their interest in participating in the fishing trip. Participation will be on a first-come, first-served basis.</i> <p><u>Neil Ward indicated that registration will begin in mid-May and that an announcement will be distributed using the CBFWF’s mailing lists.</u></p>
ITEM 6:	Criteria for Upstream Juvenile Passage: Progress Report
	<p>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.</p> <p>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.</p>

	<p>During the March 20, 2012 and April 16, 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. The NPCC's subbasin plans, which were developed collaboratively among state, federal, tribal entities, include a comprehensive list of limiting factors for subbasins throughout the Columbia River Basin. Subsequently, the participants agreed the subbasin plans would be a good source for identifying biological limiting factors.</p>
Discussion:	<p>Ken Loffink reported that the subgroup is continuing to develop: 1) fishway description and fish use matrix, 2) fish life cycle and temporal matrices, and 3) step-down questions (decision-tree). The subgroup is scheduled to meet again on May 30 from 1:00 PM – 3:00 PM (Pacific).</p>
Action:	<p>Neil Ward will begin to distribute the action notes from the subgroup meetings to the entire FSOC.</p>
ITEM 7:	Next Meeting
	<p>Thursday, July 26, 2012 8:30 – 11:30 am (Pacific)</p>