ACC Participants Present (9)
Frank Shrier, PacifiCorp
Kim McCune, PacifiCorp
Ruth Tracy, USDA Forest Service
Bryce Michaelis, USDA Forest Service
Peggy Miller, WDFW
Michelle Day, NMFS
Steve Manlow, LCFRB
Eli Asher, Cowlitz Indian Tribe
Pat Frazier, WDFW

Calendar:

<table>
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<tr>
<th>August 15, 2016</th>
<th>Aquatic Fund Sub-Group Meeting</th>
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<tr>
<td><strong>Assignments from July 11, 2016</strong></td>
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<tr>
<td>McCune: Email Aquatic Fund announcement cover letter and process document to the ACC for review and edits no later than August 1, 2016.</td>
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<td>Shrier: Write narrative for historical reference regarding how the ACC Aquatic Fund Subgroup arrived at this tool; reference Cramer Fish Sciences and add link to EDT studies.</td>
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<td>Shrier: Double check numbers on Cumulative Tornado Graphs.</td>
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| Shrier: Add the following three tables to the Lewis River Aquatic Fund Priority Reaches:  
- Lewis River basin upstream of Swift dam and downstream of Merwin dam (Phase I)  
- Yale Reservoir Tributaries (Phase II)  
- Merwin Reservoir Tributaries (Phase III) | | Complete – 8/15/16 |
| Shrier: Email revised Lewis River Aquatic Fund Priority Reaches document to the Subgroup prior to the August 15, 2016 meeting. | | Complete – 8/15/16 |
| Shrier: Confirm if Phil Roni (Cramer Fish Sciences) considered the SRP Recovery Plan reach potentials; if so remove from the Lewis River Aquatic Fund Priority Reaches document. | | Complete – 8/15/16 |
| McCune: Insert language in the Aquatic Fund Announcement letter to address these concerns such as…”emphasis will be placed on Chinook recovery but not to the exclusion of other ESA-listed salmonid species” | | Complete – 7/12/16 |
| McCune: Even though Pine Creek and Rush Creek are shown in the priority reaches, the Subgroup prefers that salmon and steelhead restoration proposals not be submitted for those two watersheds. McCune will add certain language in the Aquatic Fund Announcement | | Complete – 7/12/16 |
Opening, Review of Meeting Notes
Frank Shrier (PacifiCorp) called the meeting to order at 12:10 p.m. and reviewed the June 22, 2016 meeting notes and assignments. The meeting notes were approved without change.

Steve Manlow (LCFRB) provided a cursory review of his email dated July 8, 2016 (Attachment A) and the fundamental question - are we double counting? Do we want to use Phil Roni’s potential for restoration as acceptable for general priorities? Shrier will check with Phil on what he considered in his analysis.

Meeting Purpose
Continued review and edits of the Lewis River Aquatic Fund Priority Reaches document and Cumulative Tornado Graphs (Attachment B) and the aquatic fund announcement materials in order to meet the Aquatic Fund announcement deadline of September 2, 2016.

Intended outcomes:
- The Aquatic Fund Subgroup is to take a look at the updated Lewis River Aquatic Fund Priority Reaches document and continue to refine.
- Insure uniformity between resources so as not to confuse the project proponents.
- Update and modify the Aquatics Fund – Strategic Plan and Administrative Procedures, Announcement Letter and associated appendices no later than August 1, 2016.

Decisions made at the meeting - Next steps: Shrier will modify the Lewis River Aquatic Fund Priority Reaches document to include:
- Agreed to eliminate the reaches that should not apply (i.e. Rush and Pine Creek and Siouxon Template)
- Agreed to remove the old status vs the new status but maintain the data for Subgoup reference as an additional evaluation tool-guidance document.
- Leave recovery plan details in the spreadsheet
- Remove HUC column
- Add tier ranking
- Remove Synthesis Subgroup restoration potential
- Leave Reach Recovery Plan by species
- Add Steelhead, Coho & Chinook limiting factor ranking and remove general Limiting Factors column
- Did Phil Roni (Cramer Fish Sciences) consider the SRP Recovery Plan reach potentials? If so take them out of the Lewis River Aquatic Fund Priority Reaches document
Double check numbers on Cumulative Tornado Graphs

Add the following three tables to the Lewis River Aquatic Fund Priority Reaches:
- Lewis River basin upstream of Swift dam and downstream of Merwin dam (Phase I)
- Yale Reservoir Tributaries (Phase II)
- Merwin Reservoir Tributaries (Phase III)

Subgroup discussion took place around placing projects proposal emphasis on Chinook and the intent of the Settlement Agreement specific to priority given to federal ESA-listed species. McCune will insert language in the Aquatic Fund Announcement letter to address these concerns such as… “emphasis will be placed on Chinook recovery but not to the exclusion of other ESA-listed salmonid species”

The subgroup also discussed that there is a parallel effort taking place that is addressing recovery needs for bull trout that is not yet complete. Even though Pine Creek and Rush Creek are shown in the priority reaches, the Subgroup prefers that salmon and steelhead restoration proposals not be submitted for those two watersheds. McCune will add certain language in the Aquatic Fund Announcement letter to address this topic.

< Meeting adjourned at 2:30 p.m. >

Agenda items for August 15, 2016

- Review July 11, 2016 Meeting Notes
- Review revised priority reach spreadsheet
- Review Aquatic Fund Administrative Procedures

Meeting Handouts & Attachments:

- June 22, 2016 Meeting Notes
- Attachment A – Steve Manlow (LCFRB) email dated July 8, 2016
- Attachment B - Lewis River Aquatic Fund Priority Reaches document and Cumulative Tornado Graphs
I wanted to follow-up on the June 22, 2016 Aquatic Fund Subgroup meeting with some additional thoughts.

- As noted during the meeting, the reach tiers need to be verified as some did not seem accurate.

- One of the questions I brought up was how Cramer Fish Sciences limiting factor rank at the end of the table related to EDT ratings. In looking closer at the draft Cramer report, it appears that as a first step reaches were screened down to only Tier 1 and 2 reaches. The Tiering was from the previous LCFRB EDT. Species Reach Potential (SRP) is already one of the two primary components in of a Tier designation, and reflects the importance of the reach from a population performance perspective. The second component is the recovery priority of the species (e.g., primary, contributing, or stabilizing). Both of these factors relate directly to the ACCs project evaluation criteria. By using reach Tier as a screening factor, the EDT metrics that go into the tornado charts have therefore already been considered, and it may be duplicative to consider them again in the prioritization process. However, as we discussed, they could be used to further prioritize the 26 reaches if ranked by reach, from highest to lowest % change in NEQ. We believe that some form of “binning” into high, medium and low SRP’s may also be helpful – it has helped simplify the review in the LCFRB scoring process. That being said, the existing tiers were based on the previous EDT efforts, so the updated tornado charts may be beneficial to look at, especially to see if “High, Medium or Low” ratings (which requires binning) may differ.

- There was discussion about summing % change in NEQ across species, to provide a multi-species perspective. Since each species EDT model is different, it may be akin to comparing apples to oranges. Also, you may lose the ability to evaluate whether you are really targeting the correct limiting factor for a particular species in a specific reach if you lump NEQ. It may be more helpful to simply align the species bars side by side as you did for the handout. That form of presentation may be more useful from a project design and evaluation standpoint, and would more clearly answer evaluation questions regarding salmonid species and stocks, and key life history stages, that would benefit from a project. This topic may warrant some further discussion.

- From the “benefits to fish” perspective, it seems like the fundamental questions we need to address to help prioritize projects are whether a project targets the correct species, the highest priority reaches for those species (from a population performance standpoint), and the most important limiting factors. In the LCFRB’s scoring process, we evaluate the population and species focus in the “Population/Reach” rating, and the limiting factor focus in the “Protection/Access/Restoration” rating. The analysis conducted to date, including the limiting factor work conducted by Cramer Fish Sciences, will help answer these questions, but it is a bit unclear how all the emerging pieces would fit together in the project review process. Perhaps at the next meeting we can discuss this in more detail. After looking in more detail at the Cramer report, we believe that the as a roll-up metric, the “Limiting Factor Rank” will be very helpful in focusing projects on key limiting factors.
The group may want to discuss in the big picture how the synthesis matrix, updated priorities from Cramer, etc, will be used in the project evaluation and scoring process. It seems that there may be duplication in evaluation factors as more columns are simply added to the table. Since the Cramer work was essentially a roll-up of EDT parameters combined with a watershed-specific analysis to focus work on key life history stages and limiting factors based on a literature review, perhaps that should be the focus for identifying and evaluating projects. With a little further prioritization across reaches, we think it could be a great stand-alone tool to guide restoration work. I’m concerned we may be overcomplicating the process. Perhaps Phil Roni could help with a discussion of this?

Hope this helps, and feel free to forward to the group.

Thanks.

Steve Manlow
Executive Director
Lower Columbia Fish Recovery Board
360-425-1553
www.lcfbr.gen.wa.us
www.lowercolumbiasalmonrecovery.org
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<th>6th Field HUC</th>
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1- Taken directly from EDT, Coho criteria was used as the basis for habitat lengths thus, may not be applicable to all species.
2- Our rating as a group showing how important we feel habitat improvements would be to this stream or stream reach.
3- What we feel as a group are the current conditions based on a good, marginal, or poor rating. Good would signify our belief that this stream or stream reach has relatively good current habitat conditions.
4- Habitat attributes taken directly from EDT and other sources to be used as a basis and comparison tool.
5- Low Impact is EDT’s way of saying that this reach for this species if made to have habitat improvements would still, after habitat improvements, only have a low impact to the health and status of that specific species.
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