

**Lewis River Hydroelectric Projects Settlement Agreement  
Aquatic Coordination Committee (ACC)  
Meeting Agenda**

**Date & Time:** Thursday, December 13, 2018  
9:00 a.m. – 12:45 p.m.

**Place:** Merwin Hydro Control Center  
105 Merwin Village Court  
Ariel, WA 98603

**Contacts:** Erik Lesko: (503) 412-8401

<b>Time</b>	<b>Discussion Item</b>
9:00 a.m.	Welcome <ul style="list-style-type: none"> <li>➤ Review Agenda and ACC 11/8/18 Meeting Notes</li> <li>➤ Comment &amp; Accept Agenda and 11/8/18 Meeting Notes</li> </ul>
9:10 a.m.	Public Comment Opportunity
9:20 a.m.	Aquatic Fund Presentation; LR 21 Phase III – Greg Robertson
<b>10:30 a.m.</b>	<b>Break</b>
10:45 a.m.	Adult Trap Efficiency (ATE) at Merwin Dam Discussion
11:45 a.m.	Study/Work Product Updates <ul style="list-style-type: none"> <li>○ H&amp;S Subgroup Update</li> <li>○ Bull trout update; Tom Wadsworth (WDFW)</li> <li>○ Future Fish Passage In Lieu Decision Update</li> <li>○ Merwin Upstream Passage – Status</li> <li>○ Swift Floating Surface Collector – Status</li> </ul>
<b>12:00 p.m.</b>	<b>Working Lunch</b>
12:30 p.m.	<ul style="list-style-type: none"> <li>➤ Next Meeting's Agenda</li> <li>➤ Public Comment Opportunity</li> </ul> Note: all meeting notes and the meeting schedule can be located at: <a href="http://www.pacificorp.com/es/hydro/hl/lr.html#">http://www.pacificorp.com/es/hydro/hl/lr.html#</a>
<b>12:45 p.m.</b>	<b>Adjourn</b>

**PLEASE BRING YOUR LUNCH**

Join by Phone  
+1 (503) 813-5252 [Portland, Ore.]  
+1 (855) 499-5252 [Toll Free]

**Conference ID: 2625672**

**FINAL Meeting Notes**  
**Lewis River License Implementation**  
**Aquatic Coordination Committee (ACC) Meeting**  
**December 13, 2018**  
**Conference Call**

**ACC Representatives Present (15)**

Kim McCune, PacifiCorp  
Chris Karchesky, PacifiCorp  
Erik Lesko, PacifiCorp  
Jeremiah Doyle, PacifiCorp  
Eli Asher, Cowlitz Indian Tribe  
Tom Wadsworth, WDFW  
Peggy Miller, WDFW  
Aaron Roberts, WDFW  
Ruth Tracy, USDA Forest Service  
Greg Robertson, USDA Forest Service  
Amanda Froberg, Cowlitz PUD  
Joshua Ashline, NMFS  
Jim Bryne, Trout Unlimited  
Steve West, LCFRB  
Jonathan Stumpf, American Rivers

**Calendar:**

January 10, 2018	ACC Meeting	Merwin HCC
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<b>Assignments from December 13, 2018</b>	<b>Status</b>
McCune: Resend the ACC email distribution list to Anchor QEA, consultant for PacifiCorp.	<b>Complete – 12/17/18</b>
Tracy: Email Stage 0 webinar to the ACC for review.	<b>Complete – 12/13/18</b>

<b>Assignments from October 11, 2018</b>	<b>Status</b>
Lesko – Provide Spring Chinook rearing strategies table to ACC for review.	<b>Complete 1/10/17</b>

<b>Assignments from July 12, 2018</b>	<b>Status</b>
Karchesky - A decision is requested from the ACC on how to proceed with winter steelhead Adult Trap Efficiency (ATE) at Merwin Dam no later than December 13, 2018.	<b>Complete – 12/13/18</b>

<b>Parking Lot Items</b>	<b>Status</b>
Begin review of aquatic fund document edits no later than May 2019. The 2018 edits are attached to the September 13, 2018 ACC Meeting notes. Wordsmith item 4&5 of Attachment D, Evaluation Criteria.	

## **Opening, Review of Agenda and Meeting Notes**

Erik Lesko (PacifiCorp) called the meeting to order at 9:00am and also reviewed the agenda. Lesko requested two additional agenda items: (1) update on adult coho returns to the traps including current status of broodstock collection and upriver transport numbers. (2) process going forward regarding the withdrawal of the Lewis River Phase III aquatic fund project will be provided at the end of the meeting.

Lesko also reviewed the November 8, 2018 meeting notes. The meeting notes were approved with clarifying changes provided by Tom Wadsworth (WDFW) at 9:10 a.m.

## **Public Comment**

None

## **Adult Trap Efficiency (ATE) at Merwin Dam Discussion**

Chris Karchesky (PacifiCorp) reminded the ACC attendees that the draft Adult Trap Efficiency (ATE) Report was emailed to the ACC November 5, 2018 for a 30-day review and comment period. Comments were due by December 5, 2018. Karchesky will create a comment/response matrix and email to the ACC later this month. The final document will be incorporated into the ATE Annual Report later this year.

Karchesky then reviewed the discussion the M&E Technical Work had at their November 29, 2019 meeting regarding the future of the Merwin Dam ATE studies. In summary, the Technical Work Group believed that the recent ATE evaluation (*2018 Report - Winter Steelhead*) that looked at the difference between trap naïve and trap non-naïve fish was a step in the right direction, and that at least one (1) more year of data using winter steelhead (Blank Wire Tagged – hatchery origin program fish) was worthwhile. In particular, replicating another year of study using trap naïve vs. trap non-naïve fish under potentially different conditions (i.e., river flow) would be beneficial. The group also recommended that the decision to tag spring Chinook and coho salmon as part of the 2019 ATE evaluations should be discussed in early spring (2019) and once adult return forecasts are in.

Tom Wadsworth (WDFW) asked if natural origin recruits (NOR) winter steelhead should be included in the study design for the 2019 evaluation as a separate study group. Karchesky responded that it depends on how many NORs come back. Karchesky also mentioned that in previous study years, the focus has been on program winter steelhead (or BWTs) and have not included NOR fish. The continued focus on program fish only would allow for a more direct comparison across years. Karchesky was not opposed to including NOR fish in the future, but recommended the only BWTs be used in 2019. Lesko added that input would be needed from NOAA Fisheries as to the number of NORs that should be tagged, since it is likely that these fish would be considered a “take” as they do not die after they spawn.

**The ACC agreed to another year of ATE study using Blank Wire Tagged winter steelhead in 2019, with the additional focus of comparing trap naïve vs. trap non-naïve fish.**

## **Lewis River 21 Phase II; USFS withdraws its proposal for 2018/2019 Funding Cycle**

The ACC received an email dated, December 6, 2018 ([Attachment A](#)) informing the ACC that the USFS would like to withdraw their proposal for the 2019 funding cycle. They need the year to conduct NEPA to assess the removal of large wood with root wads (great than 20” DBH) from a

stand within a reasonable transport distance to the Lewis River Reach 21. Please see Attachment A for further detail.

**The ACC agreed that this project proposal, when resubmitted, will be considered a new project with the submittal of a new/revised project pre-proposal.**

The ACC discussed briefly the reference to why the Forest Service is not proposing Stage 0 so Ruth Tracy (USDA Forest Service) said she would email the Stage 0 webinar and pertinent reference to the ACC for their review.

In addition, the USFS will discuss this in further detail, perhaps provide a PowerPoint presentation and invite additional attendees for the February ACC meeting.

## **Study/Work Product Updates**

### **H&S Subgroup**

The Subgroup is working toward finalizing the 2019 Annual Operating Plan and working on the 5-year H&S update. Given the expanded role of the subgroup (to include all aquatic M&E activities), the group will rename itself to avoid confusion with respect to activities outside the H&S program. This will be done at the next meeting.

### **Bull Trout Subgroup Update; Tom Wadsworth (WDFW)**

Wadsworth informed the ACC attendees that the BT Subgroup is rescheduling its January meeting and planning to present to the ACC tentatively at the February 14, 2019 meeting. Work is beginning on the bull trout annual operating plan.

### **In Lieu Update**

Lesko informed the ACC attendees that on November 30, 2018 the Services requested an additional extension from the FERC to January 18, 2019. McCune noted that the FERC formally approved the extension. In addition, NMFS requested PacifiCorp distribute a letter from USGS explaining that their report titled “Development of New Information to Inform Fish Passage Decisions at the Yale and Merwin Hydro Projects on the Lewis River” is going through the Fundamental Science Practices (FSP) process and they anticipate completion before mid-December 2018, see [Attachment B](#).

### **Acclimation Pond Removal (Crab Creek)**

Ruth Tracy (USDA Forest Service) expressed to the ACC that they informed PacifiCorp they want the gabion wall at Crab Creek removed. PacifiCorp is currently working on a memorandum of understanding that they will present to the Forest Service.

### **Merwin Fish Collection Facility and General Operations ([Attachment C](#))**

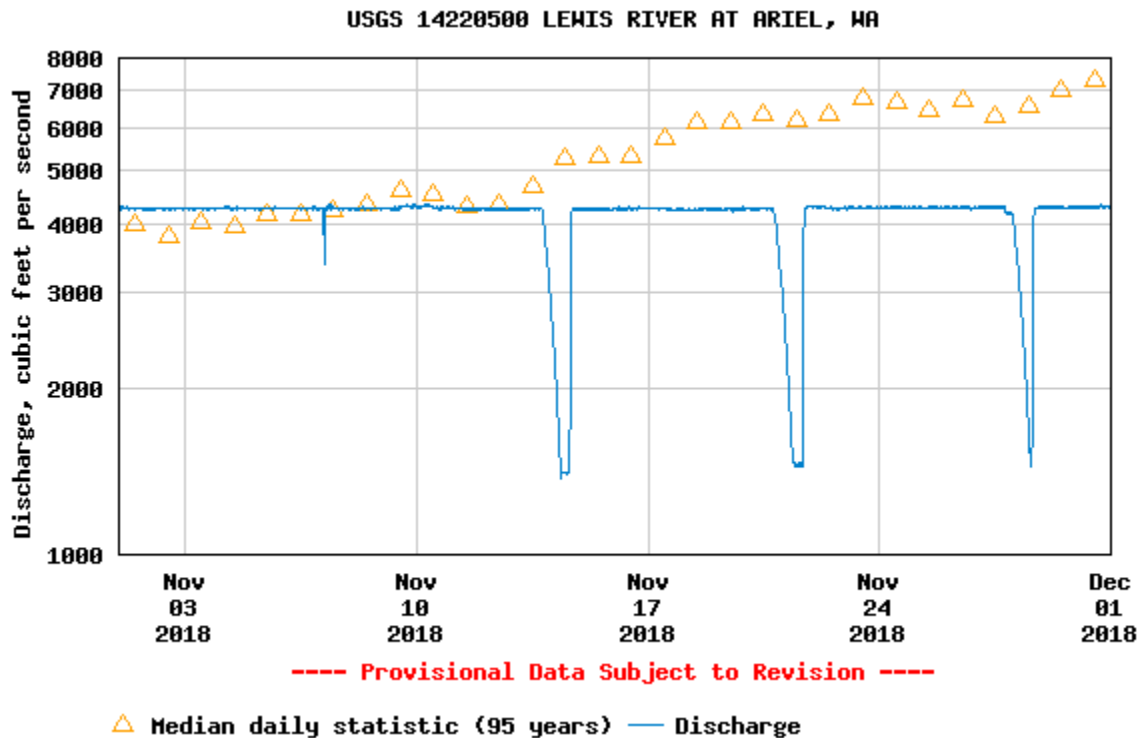
During the month of November, a total of 1,141 fish were captured at the Merwin Dam Adult Fish Collection Facility. The majority of these fish were coho (983 – 86%). Hatchery winter steelhead also began arriving in November, with a total of 48 adults collected by the end of the month.

The Merwin Trap was shut down the week of November 26 for scheduled maintenance and was returned to service November 30, 2019. Operation of the Merwin Dam Fish Trap was suspended December 6, 2018 as a result of a damaged cable associated with the lift system. Repairs are underway and it is expected that the system will be back in service by December 19, 2018.

River flow below Merwin Dam remained near the minimum flow requirements of 4,200 cfs through the end of the month. Three scheduled drawdowns occurred during the month for salmon spawning surveys.

ATE study for coho is ongoing and a draft report for ACC 30-day review is expected after the holidays.

### Discharge, cubic feet per second



### Upstream Transport ([Attachment C](#))

Nine Blank Wire Tag (BWT) winter steelhead were transported upstream above Swift Dam in December 2017. Two additional fish were transported earlier in the fall for a total of 11 BWT steelhead collected and transported in fall/winter 2017. An additional 1,216 BWT winter steelhead were transported upstream for a total of 1,227 fish transported as part of the 2018 run year. *No BWT winter steelhead have been captured as part of the 2019 run year so far.*

Run Year	Male	Female	Total adult winter steelhead taken upstream of Swift Dam
2012	141	48	189
2013	440	301	741
2014	452	581	1,033

<b>2015</b>	746	477	<b>1,223</b>
<b>2016</b>	378	376	<b>754</b>
<b>2017</b>	331	261	<b>592</b>
<b>2018</b>	682	535	<b>1,227</b>

A total of 700 adult spring Chinook were transported upstream as part of the 2018 run. Of these fish, 329 were transported from the Merwin Dam Fish Collection Facility with an additional 371 fish being transported from the Lewis River Hatchery. Transported upstream were 177 females, 491 Males, and 32 jacks. By the end of June, all surplus adult spring Chinook previously being held at Lewis River Hatchery had been distributed into the upper basin or used as brood stock.

By the end of November 2018, 2,148 adult early-run coho (1,173 male/662 female) had been transported upstream along with 313 wild jacks. One-hundred thirteen (113) adult late-coho along with 74 wild jacks had also been transported upstream. Through the end of November, a total of 46 returning PIT-tagged early coho have been observed at Merwin Trap. All of these returning PIT tagged coho were tagged in spring 2017 and 2018 at the Swift Floating Surface Collector before release into the Lewis River below Merwin Dam.

#### **Swift Floating Surface Collector (Attachment C)**

For the month of November, 2,059 out-migrants had been collected. The majority (98%) of these fish were out-migrating juvenile coho (n=1,938) and spring Chinook (n=83). Reservoir debris has been minimal and fish numbers have been low. The fry tank modification was complete in November. The Net Transition Structure modifications are on scheduled to be completed by the end of January 2019.

#### **Other**

*Coho Transport Update* - Aaron Roberts (WDFW) informed the ACC that the Lewis River Hatchery received approximately 3,000 late-Coho during the recent rain event. He indicated that approximately 2,000 could be transported upstream as hatchery brood stock targets have been met. Karchesky indicated that PacifiCorp had plans to transport all these fish upstream along with any additional fish collected at Lewis River Hatchery in the future. Last week's delay in transporting fish upstream was the result of road closures on the FR90 road due to repairs. Ruth Tracy (USFS) will check in with their engineer to see if any additional delays and inform the ACC regarding transport.

#### **Agenda items for January 10, 2019**

- December 13, 2018 Meeting Notes
- ACC 2018 Financial Report
- NOR Tracking Update; NOAA response
- H&S Update; Subgroup
- In Lieu Update; USGS
- Study/Work Product Update

*Adjourn 10:30am*

**Next Scheduled Meeting:**

January 10, 2019
Merwin Hydro Control Center
9:00 a.m. - TBD

**Meeting Handouts & Attachments:**

- Meeting Notes from 10/11/18
- Agenda from 11/8/18
- **Attachment A** – USFS withdraws LR 21 Phase III project; Stage 0 Webinar Link
- **Attachment B** – USGS letter dated October 31, 2018 and email to ACC dated December 12, 2018
- **Attachment C** - Lewis River Fish Passage Report (November 2018)

## McCune, Kimberly

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**From:** McCune, Kimberly  
**Sent:** Monday, December 17, 2018 8:21 AM  
**To:** 'Tracy, Ruth -FS'  
**Subject:** RE: Lewis River 21 Phase III; request for full proposal

Thank you.

K

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**From:** Tracy, Ruth -FS [mailto:rtracy@fs.fed.us]  
**Sent:** Thursday, December 13, 2018 1:00 PM  
**To:** McCune, Kimberly <Kimberly.McCune@pacificorp.com>; Lesko, Erik <Erik.Lesko@pacificorp.com>  
**Cc:** Adam Cole <adam.cole@rco.wa.gov>; Amanda Froberg <afroberg@cowlitzpud.org>; Amelia Johnson <ajohnson@lcfrib.gen.wa.us>; Asher, Eli <easher@cowlitz.org>; Bob Rose <rosb@yakamafish-nsn.gov>; Brice Crayne <bricecrayne@outlook.com>; Bryce Glaser <glasebgg@dfw.wa.gov>; Michaelis, Bryce R -FS <bmmichaelis@fs.fed.us>; Daniel Rawding <Daniel.Rawding@dfw.wa.gov>; David Howe <David.Howe@dfw.wa.gov>; Denise Smee <dsmee@lcfrib.gen.wa.us>; Doyle, Jeremiah <Jeremiah.Doyle@pacificorp.com>; Ed Meyer <ed.meyer@noaa.gov>; Ferraiolo, Mark <Mark.Ferraiolo@pacificorp.com>; Hudson, Michael <michael\_hudson@fws.gov>; James Byrne <byrnejim7@gmail.com>; James H Malinowski <jim.malinowski@icloud.com>; Jonathan Stumpf <jstumpf@americanrivers.org>; Joshua Ashline <Joshua.ashline@noaa.gov>; Kale Bentley <kale.bentley@dfw.wa.gov>; Karchesky, Chris <Chris.Karchesky@pacificorp.com>; Kelley Jorgensen <kjorgensen@pnfarm.com>; Mariah Stoll-Smith Reese <mariah@lelooska.org>; Morgan, David <dmorgan@pnfarm.com>; Nathan Reynolds <nreynolds@cowlitz.org>; Olson, Todd <Todd.Olson@pacificorp.com>; Peggy Miller <peggy.miller@dfw.wa.gov>; Pienovi, Levi <Levi.Pienovi@pacificorp.com>; Rhidian Morgan <rmmorgan@pnfarm.com>; HML LRN (Roberts, Aaron) <Aaron.Roberts@dfw.wa.gov>; Sam Gibbons <sam.gibbons@dfw.wa.gov>; Samuel Kolb <samuel.kolb@dfw.wa.gov>; Serdar Carol <cser461@ECY.WA.GOV>; Steve Manlow <smanlow@lcfrib.gen.wa.us>; Steve West <swest@lcfrib.gen.wa.us>; Taylor Aalvik <taylor.a@cowlitz.org>; Tim Romanski <tim\_romanski@fws.gov>; Tom Wadsworth <Thomas.Wadsworth@dfw.wa.gov>; Weatherly, Briana <Briana.Weatherly@pacificorp.com>; Wendy McDermott <wmcdermott@americanrivers.org>; Whitesel, Timothy <Timothy\_Whitesel@fws.gov>; Robertson, Greg -FS <gregrobertson@fs.fed.us>  
**Subject:** [INTERNET] RE: Lewis River 21 Phase III; request for full proposal

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Hello ACC members. Here is the link to the Stage 0 webinar and a pertinent reference.

<https://tinyurl.com/FS-stage0webinar-121118>

Ruth E Tracy  
Gifford Pinchot NF  
Soil and Water Program Manager  
360-891-5112  
[rtracy@fs.fed.us](mailto:rtracy@fs.fed.us)

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**From:** Tracy, Ruth -FS  
**Sent:** Thursday, December 06, 2018 4:44 PM  
**To:** McCune, Kimberly <Kimberly.McCune@pacificorp.com>; Lesko, Erik <Erik.Lesko@pacificorp.com>  
**Cc:** Adam Cole <adam.cole@rco.wa.gov>; Amanda Froberg <afroberg@cowlitzpud.org>; Amelia Johnson <ajohnson@lcfrib.gen.wa.us>; Asher, Eli <easher@cowlitz.org>; Bob Rose <rosb@yakamafish-nsn.gov>; Brice Crayne



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**Subject:** RE: Lewis River 21 Phase III; request for full proposal

Hi Erik and Kim,

The Gifford Pinchot NF would like to withdraw their Proposal for the 2019 Grant Cycle. We need the year to conduct NEPA to assess the removal of large wood with root wads (greater than 20" DBH) from a stand within a reasonable transport distance to Lewis River Reach 21. FYI, large wood greater than 20" DBH necessitate a logging prescription that removes larger trees from a stand than what the GPNF is currently harvesting through stand thinning. Currently, the GPNF are managing second growth stands by removing smaller understory trees, most of which are less than 16" DBH.

The Gifford Pinchot NF would like an opportunity to respond and/or answer some of the broader questions (non project specific) that we received from our pre-proposal. Specifically, these three comments/questions: 1) requesting verification that the Forest Service is not 'required by law or mitigation requirement' to restore rivers and streams, 2) owl habitat considerations, and 3) why we are not proposing Stage 0. We would like an ACC agenda topic in January or February to present clarification and have time for discussion of these broader questions. Thank you for the consideration.

I have included a paper on the Stage 0 concept.

Ruth E Tracy  
Gifford Pinchot NF  
Soil and Water Program Manager  
360-891-5112  
[rtracy@fs.fed.us](mailto:rtracy@fs.fed.us)

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**From:** McCune, Kimberly [<mailto:Kimberly.McCune@pacificorp.com>]

**Sent:** Monday, October 22, 2018 8:37 AM

**To:** Robertson, Greg -FS <[gregrobertson@fs.fed.us](mailto:gregrobertson@fs.fed.us)>

**Cc:** Adam Cole <[adam.cole@rco.wa.gov](mailto:adam.cole@rco.wa.gov)>; Amanda Froberg <[afroberg@cowlitzpud.org](mailto:afroberg@cowlitzpud.org)>; Amelia Johnson <[ajohnson@lcfwb.gen.wa.us](mailto:ajohnson@lcfwb.gen.wa.us)>; Asher, Eli <[easher@cowlitz.org](mailto:easher@cowlitz.org)>; Bob Rose <[rosb@yakamafish-nsn.gov](mailto:rosb@yakamafish-nsn.gov)>; Brice Crayne <[bricecrayne@outlook.com](mailto:bricecrayne@outlook.com)>; Bryce Glaser <[glasebgg@dfw.wa.gov](mailto:glasebgg@dfw.wa.gov)>; Michaelis, Bryce R -FS <[bmichaelis@fs.fed.us](mailto:bmichaelis@fs.fed.us)>; Daniel Rawding <[Daniel.Rawding@dfw.wa.gov](mailto:Daniel.Rawding@dfw.wa.gov)>; David Howe <[David.Howe@dfw.wa.gov](mailto:David.Howe@dfw.wa.gov)>; Denise Smee <[dsmee@lcfwb.gen.wa.us](mailto:dsmee@lcfwb.gen.wa.us)>; [JEREMIAH.DOYLE@PACIFICORP.COM](mailto:JEREMIAH.DOYLE@PACIFICORP.COM); Ed Meyer <[ed.meyer@noaa.gov](mailto:ed.meyer@noaa.gov)>; Ferraiolo, Mark <[Mark.Ferraiolo@pacificorp.com](mailto:Mark.Ferraiolo@pacificorp.com)>; Hudson, Michael <[michael\\_hudson@fws.gov](mailto:michael_hudson@fws.gov)>; James Byrne <[byrnejim7@gmail.com](mailto:byrnejim7@gmail.com)>; James H Malinowski <[jim.malinowski@icloud.com](mailto:jim.malinowski@icloud.com)>; Jonathan Stumpf <[jstumpf@americanrivers.org](mailto:jstumpf@americanrivers.org)>; Joshua Ashline <[Joshua.ashline@noaa.gov](mailto:Joshua.ashline@noaa.gov)>; Kale Bentley <[kale.bentley@dfw.wa.gov](mailto:kale.bentley@dfw.wa.gov)>;

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**Subject:** Lewis River 21 Phase III; request for full proposal

Greg:

Please be advised that the ACC has selected your project titled, Lewis River 21 Phase III for full proposal. A hard copy of the attached document will follow via US Mail.

Thank you.

**Kimberly McCune**

Sr. Business Administrator

PacifiCorp – Hydro Resources

825 NE Multnomah St., Suite 1800

Portland, OR 97232

Ph: (503) 813-6078

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# United States Department of the Interior

U.S. Geological Survey

**Northwest Region**

909 1<sup>st</sup> Ave, 8<sup>th</sup> Floor

Seattle, Washington 98104

(206) 220-4600

October 31, 2018

Mr. Todd Olson  
Director of Compliance  
PacifiCorp  
825 NE Multnomah, Suite 1500  
Portland, OR 97232

*Transmitted via e-mail to todd.olson@pacificorp.com*

Dear Mr. Olson,

I'm writing in reference to the report titled "Development of New Information to Inform Fish Passage Decisions at the Yale and Merwin Hydro Projects on the Lewis River" and the corresponding PowerPoint presentation that you received from USGS in April 2016. These products describe the results of a study that USGS conducted and that you funded.

It has recently come to my attention that these products did not go through the mandatory USGS Fundamental Science Practices (FSP) process, meaning that they did not receive required peer reviews, reconciliation of review comments, and final USGS approval. As such, these products are still preliminary and subject to revision.

To rectify this situation, USGS has started the FSP process. I will keep you fully informed as we go through the steps of the FSP process and I expect to be able to provide you an initial update within days. The length of the FSP process depends on multiple factors, but we anticipate being able to publish and share the USGS-approved products with you before mid-December 2018.

Please accept my apologies for this breakdown in our procedures. I will do everything within my power to make sure the FSP process is completed as soon as possible. If you would like to discuss this issue further, please contact me on my cell phone at 206-795-4527 or via e-mail at rferrero@usgs.gov.

Sincerely,

Richard C. Ferrero, PhD  
Director, USGS Northwest Region

cc: Claudia Regan, Director, USGS Northern Rocky Mountain Science Center, Bozeman, MT

## McCune, Kimberly

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**From:** McCune, Kimberly  
**Sent:** Wednesday, December 12, 2018 9:31 AM  
**To:** Adam Cole; Amanda Froberg; Amelia Johnson; Asher, Eli; Bob Rose; Brice Crayne; Bryce Glaser; Bryce Michaelis; Daniel Rawding; David Howe; Denise Smee; Doyle, Jeremiah; Ed Meyer; Ferraiolo, Mark; Greg Robertson; Hudson, Michael; James Byrne; James H Malinowski; Jonathan Stumpf; Joshua Ashline; 'Kale Bentley'; Karchesky, Chris; Kelley Jorgensen; Lesko, Erik; Mariah Stoll-Smith Reese; Michelle Day; Morgan, David; Nathan Reynolds; Olson, Todd; Peggy Miller; Pienovi, Levi; Rhidian Morgan; Roberts, Aaron; 'Ruth Tracy'; Sam Gibbons; Samuel Kolb; Serdar Carol; Steve Manlow; Steve West; Taylor Aalvik; Tim Romanski; Tom Wadsworth; Weatherly, Briana; Wendy McDermott; Whitesel, Timothy  
**Subject:** Services Update for December 13th ACC meeting  
**Attachments:** USGS\_Letter\_PacifiCorp.pdf

Attn: ACC Representatives

Per the Services request please see the attached correspondence.

Thank you.

### Kimberly McCune

Sr. Business Administrator  
PacifiCorp – Hydro Resources  
825 NE Multnomah St., Suite 1800  
Portland, OR 97232  
Ph: (503) 813-6078

**From:** Joshua Ashline - NOAA Federal [mailto:joshua.ashline@noaa.gov]  
**Sent:** Wednesday, December 12, 2018 7:59 AM  
**To:** Lesko, Erik <Erik.Lesko@pacificorp.com>; McCune, Kimberly <Kimberly.McCune@pacificorp.com>  
**Cc:** Romanski, Tim <tim\_romanski@fws.gov>; Jennifer Quan - NOAA Federal <jennifer.quan@noaa.gov>  
**Subject:** Services Update for December 13th ACC meeting

Erik,

The Services and PacifiCorp have requested another extension until January 18, 2019. The main purpose of this extension is so the Services can continue to respond to requested briefings on behalf of our respective headquarters on the validity of the studies in the "New Information Regarding Fish Transport into Lake Merwin and Yale Lake" report and information received from other SA parties.

With that in mind, the Services are requesting to have the attached letter from USGS distributed to the ACC, as part of the information the Services continue to consider as part of our fish passage decision.

Thank you,

--

Joshua Ashline  
Fish Biologist  
National Marine Fisheries Service  
510 Desmond Drive SE  
Lacey, WA 98503  
[Joshua.Ashline@noaa.gov](mailto:Joshua.Ashline@noaa.gov)  
360-753-9456

# Lewis River Fish Passage Report

## November 2018

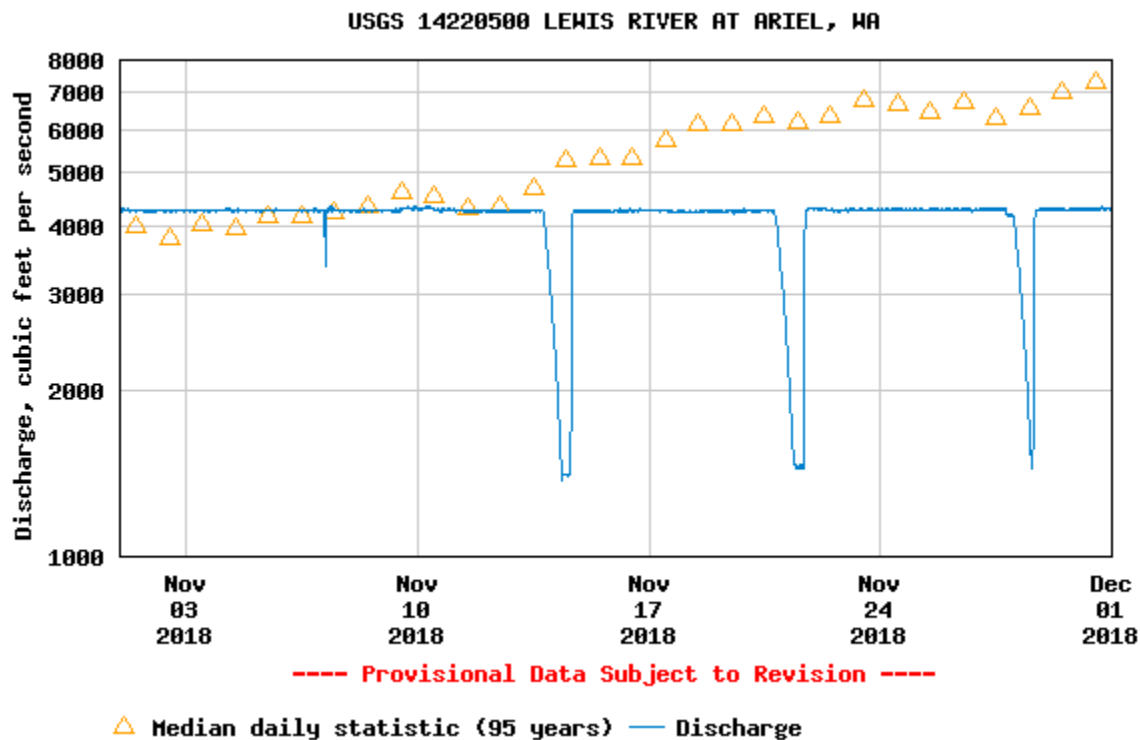
### Merwin Fish Collection Facility and General Operations

During the month of November, a total of 1,141 fish were captured at the Merwin Dam Adult Fish Collection Facility. The majority of these fish were coho (983 – 86%). Hatchery winter steelhead also began arriving in November, with a total of 48 adults collected by the end of the month.

The Merwin Trap was shut down the week of November 26 for scheduled maintenance and was returned to service November 30, 2019.

River flow below Merwin Dam remained near the minimum flow requirements of 4,200 cfs through the end of the month. Three scheduled drawdowns occurred during the month for salmon spawning surveys.

### Discharge, cubic feet per second



### **Upstream Transport**

Nine Blank Wire Tag (BWT) winter steelhead were transported upstream above Swift Dam in December 2017. Two additional fish were transported earlier in the fall for a total of 11 BWT steelhead collected and transported in fall/winter 2017. An additional 1,216 BWT winter steelhead were transported upstream for a total of 1,227 fish transported as part of the 2018 run year. *No BWT winter steelhead have been captured as part of the 2019 run year so far.*

<b>Run Year</b>	<b>Male</b>	<b>Female</b>	<b>Total adult winter steelhead taken upstream of Swift Dam</b>
<b>2012</b>	141	48	<b>189</b>
<b>2013</b>	440	301	<b>741</b>
<b>2014</b>	452	581	<b>1,033</b>
<b>2015</b>	746	477	<b>1,223</b>
<b>2016</b>	378	376	<b>754</b>
<b>2017</b>	331	261	<b>592</b>
<b>2018</b>	682	535	<b>1,227</b>

A total of 700 adult spring Chinook were transported upstream as part of the 2018 run. Of these fish, 329 were transported from the Merwin Dam Fish Collection Facility with an additional 371 fish being transported from the Lewis River Hatchery. Transported upstream were 177 females, 491 Males, and 32 jacks. By the end of June, all surplus adult spring Chinook previously being held at Lewis River Hatchery had been distributed into the upper basin or used as brood stock.

By the end of November 2018, 2,148 adult early-run coho (1,173 male/662 female) had been transported upstream along with 313 wild jacks. One-hundred thirteen (113) adult late-coho along with 74 wild jacks had also been transported upstream. Through the end of November, a total of 46 returning PIT-tagged early coho have been observed at Merwin Trap. All of these returning PIT tagged coho were tagged in spring 2017 and 2018 at the Swift Floating Surface Collector before release into the Lewis River below Merwin Dam.

### **Floating Surface Collector (FSC)**

The Swift Reservoir Floating Surface Collector was returned to service on October 15, 2018. For the month of November, 2,059 fish had been collected. The majority (98%) of these fish were out-migrating juvenile coho (n=1,938) and spring Chinook (n=83).





**Fish Facility Report**  
**Swift Floating Surface Collector**  
**November 2018**

Day	Coho			Chinook			Steelhead				Cutthroat			Bull Trout	Planted Rainbow	Total
	fry	parr	smolt	fry	parr	smolt	fry	parr	smolt	kelt	fry	< 13 in	> 13 in			
01	0	4	31	0	0	0	0	0	0	0	0	0	0	0	0	35
02	0	28	112	0	0	0	0	0	0	0	0	1	0	0	0	141
03	2	9	85	0	0	0	0	0	0	0	0	0	0	0	0	96
04	3	13	110	0	0	0	0	0	0	0	0	0	0	0	0	126
05	32	67	162	0	0	1	0	0	2	1	1	0	0	0	0	266
06	27	119	92	0	0	0	0	0	3	0	0	1	0	0	0	242
07	14	78	106	0	0	1	0	0	0	0	0	0	0	0	0	199
08	0	99	80	0	0	2	1	0	0	1	0	0	0	0	1	184
09	0	70	39	0	0	3	0	0	1	1	0	0	0	0	0	114
10	0	75	38	0	1	4	2	0	0	0	0	0	0	0	0	120
11	0	1	32	0	0	6	0	0	0	0	0	2	0	0	0	41
12																
13	0	3	9	0	3	10	0	0	0	0	0	1	0	0	0	26
14	0	9	10	0	0	15	0	0	0	1	0	0	0	0	1	36
15	0	24	29	0	0	2	0	0	0	0	0	2	0	0	0	57
16	0	3	0	0	0	12	0	0	0	0	0	0	0	0	0	15
17	0	21	28	0	0	1	0	0	0	0	0	0	0	0	0	50
18	0	11	30	0	0	2	0	0	0	0	0	0	0	0	0	43
19	0	3	4	0	0	17	0	0	0	0	0	0	0	0	0	24
20	0	14	6	0	0	0	1	0	0	0	0	0	0	0	0	21
21	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	5
22	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
23	0	2	7	0	0	0	0	1	0	0	0	1	0	0	0	11
24	0	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10
25	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	24
26	0	2	9	0	0	0	0	0	0	0	0	2	0	0	0	13
27	0	3	3	0	0	0	2	0	0	0	0	0	0	0	0	8
28	0	15	22	0	0	1	0	0	0	0	0	1	0	0	0	39
29	1	30	46	0	0	2	0	0	0	0	0	3	0	0	0	82
30	0	12	14					1							1	28
<b>Monthly Total</b>	<b>79</b>	<b>737</b>	<b>1122</b>	<b>0</b>	<b>4</b>	<b>79</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2059</b>
<b>Total</b>	<b>930</b>	<b>4385</b>	<b>35708</b>	<b>31</b>	<b>469</b>	<b>4228</b>	<b>13</b>	<b>16</b>	<b>7862</b>	<b>18</b>	<b>4</b>	<b>842</b>	<b>17</b>	<b>7</b>	<b>2081</b>	<b>56611</b>

