

**Lewis River Hydroelectric Projects Settlement Agreement
In Lieu Working Group and
Aquatic Coordination Committee (ACC)
Meeting Agenda**

Date & Time: **Thursday, February 9, 2017
9:00 a.m. – 11:30 a.m.**

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

Contacts: **Frank Shrier: (503) 320-7423**

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none">➤ Review Agenda and ACC 1/12/17 Meeting Notes➤ Comment & Accept Agenda and 1/12/17 Meeting Notes➤ Public Comment Opportunity
9:30 a.m.	Acclimation Fish; discuss plans for 2017
10:00 a.m.	2016/2017 Aquatic Fund Project Presentation <ul style="list-style-type: none">○ Lewis River 21 Phase I – Greg Robertson (USFS)
10:20 a.m.	2016/2017 Aquatic Fund Project Presentation <ul style="list-style-type: none">○ Spencer Creek Alluvial Fan and Channel Rehabilitation – Greg Robertson (USFS)
10:40 a.m.	Study/Work Product Updates <ul style="list-style-type: none">○ M&E Plan Update○ H&S Plan Update○ In Lieu Workgroup Update○ Woodland Release Ponds/Permit - Status○ Acclimation Ponds - Status○ Merwin Upstream Passage – Status○ Swift Floating Surface Collector – Status○ SPCH smolt release updates – Aaron Roberts
11:00 a.m.	<ul style="list-style-type: none">➤ Next Meeting’s Agenda➤ Public Comment Opportunity <p>Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro/hl/lr.html#</p>
11:30 a.m.	<i>Adjourn</i>

Join by Phone

+1 (503) 813-5252 [Portland, Ore.]

+1 (801) 220-5252 [Salt Lake City, Utah]

+1 (855) 499-5252 [Toll Free]

Conference ID: 2506249

FINAL Meeting Notes
Lewis River License Implementation
Aquatic Coordination Committee (ACC) Meeting
February 9, 2017
Merwin Hydro Control Center
Ariel, WA

ACC Participants Present (16)

Jeremiah Doyle, PacifiCorp
Frank Shrier, PacifiCorp (via phone)
Kim McCune, PacifiCorp
Erik Lesko, PacifiCorp
Chris Karchesky, PacifiCorp
Amanda Froberg, Cowlitz PUD
Peggy Miller, WDFW
Pat Frazier, WDFW
Aaron Roberts, WDFW
Ruth Tracy, USDA Forest Service
Bryce Michaelis, USDA Forest Service
Michelle Day, NMFS (via phone)
Steve Manlow, LCFRB
Amelia Johnson, LCFRB

Guests

Al Thomas, Columbian
Greg Robertson, USDA Forest Service

Calendar:

March 9, 2017	ACC Meeting	Merwin Hydro
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Assignments from February 9, 2017	Status
Robertson: Provide electronic copy of Aquatic Fund PowerPoint presentation to McCune.	Complete – 2/17/17
Frazier: Write up his list of requested monitoring needs for the 30,000 acclimation fish that will be put upstream.	Complete – 2/14/17

Assignments from September 8, 2016	Status
Roberts: As numbers of adult Coho returning to the hatchery increase, Michelle Day wants to revisit how long fish are being held in Lewis River Hatchery before being processed.	Complete – Scheduled tour for 3/9/17

Opening, Review of Agenda and Meeting Notes

Amanda Froberg (Cowlitz PUD) called the meeting to order at 9:07 a.m. and reviewed the agenda. No additions to the agenda were requested.

Froberg also reviewed the January 12, 2017 meeting notes and assignments. The meeting notes were approved at 9:10 a.m. without changes.

Public Comment

None

Acclimation Fish: Discuss Plans for 2017

The ACC agreed that this Fall 2017 the Acclimation fish (30,000) will be released upstream.

Considerable discussion took place relating to monitoring efforts after the release. The following are some suggestions and questions:

- Pit tag wild smolts when they are released downstream from the surface collector
- What percentage end up residualizing?
- What is survival rate in ocean?
- What kind of smolt production do we get from residuals?
- Is there duplication between M&E and H&S monitoring?
- Mark/tag all acclimation juveniles or percentage?

Pat Frazier (WDFW) expressed that will write up his list of requested monitoring needs for the 30,000 fish that will be put upstream.

Karchesky and Lesko will meet offline with Frazier to discuss the monitoring piece in more detail.

< Break 10:25 >

< Reconvene 10:35 >

2016/2017 Aquatic Fund Project Presentations – Greg Robertson (USFS)

Kim McCune (PacifiCorp) reminded the attendees that comments relating to the full proposals, as submitted by the USFS are due on or before Friday, March 3, 2017. The next ACC meeting March 9, 2017 will be a decision-making meeting.

Lewis River 21 Phase I

Robertson reviewed the project description and provided project site photos to add large wood complexes to the mainstem Lewis River near Rush Creek. Lewis River 21 Phase 1 will restore a quarter mile section of Lewis River 21 by adding four complex wood structures which will provide quality spawning, summer rearing and overwintering habitat. Habitat in this reach can be utilized by Chinook, coho, steelhead, and offers dome benefit to migrating adult bull trout, as more fully detailed in the presentation at the following link:

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensin g/Lewis_River/li/acc/LR_21%20Phase%201_FINAL.pdf

Funds requested for this project is \$175,000.

Spencer Creek Alluvial Fan and Channel Rehabilitation

Robertson reviewed the project description and provided project site photos to restore instream fish habitat in Spencer Creek and to provide roughness in the alluvial fan as its confluence with the Lewis River to facilitate sediment routing through a defined Spencer Creek channel. The Spencer Creek proposal add approximately 100 pieces of large wood to construct a structure immediately upstream of Spencer creek alluvial fan to encourage high flow scour in the lower reaches of Spencer Creek. The large woody debris enhancements creates seven or more pools with

greater residual depths than currently present in Spencer Creek. These actions will restore the lower anadromous opportunities for Chinook, coho, and steelhead and therefore will increase the abundance of functional habitat at the Upper Lewis River basin.

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/li/acc/Spencer_Ck_Alluvial_Fan_Chan_Rehab_FINAL.pdf

Funds requested for this project is \$93,750.

Study/Work Product Updates

M&E Plan Update

The additional 45 day review period ended February 3, 2017. Pat Frazier (WDFW) expressed that he would provide comments by Monday, February 13, 2017. McCune and Shrier asked Michelle Day (NMFS) if comments can be expected soon from NMFS. Day indicated that she is coordinating with Rich Turner (NMFS) but did not know when comments would be submitted to PacifiCorp. McCune expressed that PacifiCorp must file the final document to the FERC no later than February 28, 2017.

H&S Plan Update

Erik Lesko (PacifiCorp) has scheduled a subgroup meeting February 13, 2017 to discuss Spring Chinook issues at Lewis River Hatchery operations. PacifiCorp would like to see decisions made specific to management changes that may be effective and considered for future implementation. This is a subgroup and their recommendations will come back to the ACC for its approval.

In Lieu Workgroup Update

The Workgroup met February 3, 2017 and they still want to wrap up the science. Mike Bonoff (MB&G) will summarize the science information and submit this detail to the ACC. The next scheduled meeting is February 22, 2017.

Woodland Release Ponds/Permit Status

No changes. PacifiCorp still waiting for an executable copy to be provided by DNR. Depending on the time DNR takes to provide an executable document for signature and turnaround PacifiCorp's intent is to build by December 31, 2017.

Acclimation Pond Update

USFS is working with Briana Weatherly (PacifiCorp) to discuss the work plan pond removal detail; shooting for a spring release for NEPA.

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

During the month of January, a total 258 fish were captured at the Merwin Adult Fish Collection Facility. The majority of these fish were hatchery winter steelhead (227 - 88%) while the few remaining comprised of mostly of late-run coho and fall Chinook. All hatchery fish were given to Washington Department of Fish and Wildlife. One (1) coastal cutthroat greater than 13-inches was captured this month.

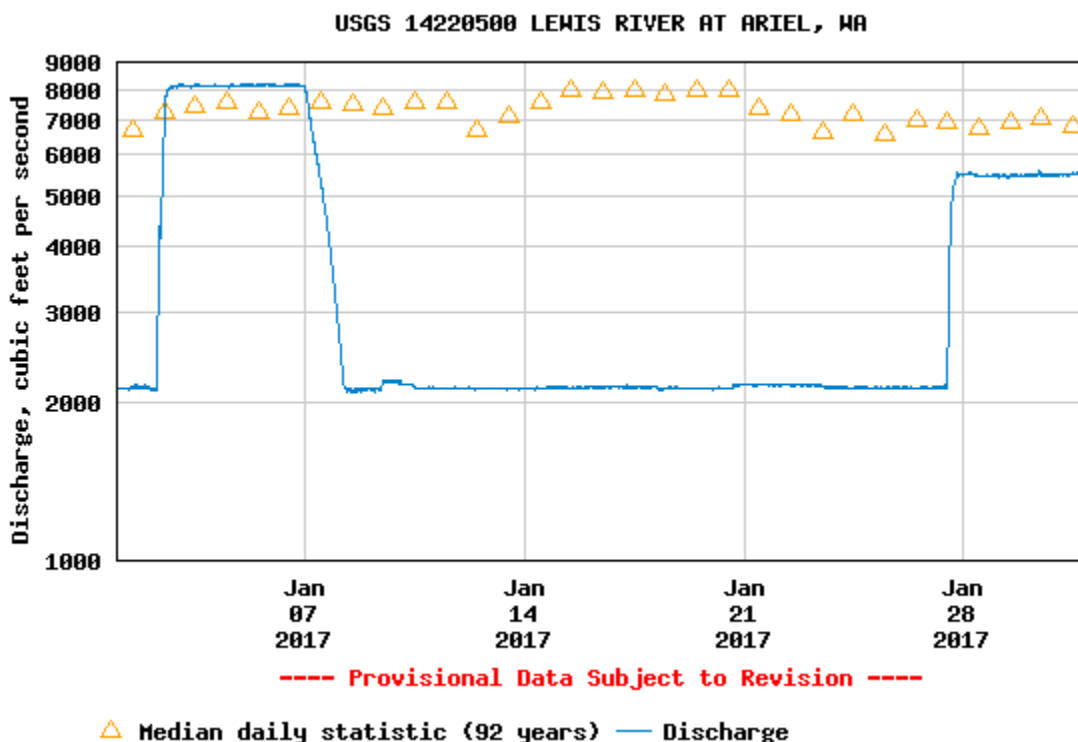
The Merwin Dam adult fish trap ran continuously through the month of January except during periods of freezing weather conditions when operation of the automatic fish lift and elevator system was suspended due to the risk of ice build-up. During these periods the Auxiliary Water

Supply (AWS) system (which can boost attraction flow up to 400 cfs), and ladder flow remained on.

River flow below Merwin Dam fluctuated between 2,140 and 8,170 cfs throughout the month of January.

The new fyke was installed November 2016. It is scheduled to be evaluated using winter steelhead as part of the 2017 Adult Trap Efficiency (ATE) Evaluation. Equipment installation for the ATE study is currently underway. The study is scheduled to begin February 15th, 2017.

Discharge, cubic feet per second



Upstream Transport ([Attachment A](#))

A total of six (6) Blank Wire Tag (BWT) winter steelhead were transported upstream above Swift Dam in January 2016. These fish combined with an additional eighteen (18) BWTs transported earlier this winter (November – December 2016), accounts for a total of 24 total BWTs transported for the 2017 run year. The one (1) coastal cutthroat trout captured in January was released back downstream.

2017 Late-Winter Steelhead (BWTs) (thru January 2017)

Male	Female	Total
10	14	24

Swift Floating Surface Collector ([Attachment A](#))

Operation of the Swift FSC was suspended periodically in January on account of severe weather conditions, ice and snow build-up, debris loading, emergency repairs, and poor road conditions. The FSC was returned to service once conditions improved. During the month of January, only 272 fish were collected with the majority of those fish being transported downstream. Juvenile coho and spring Chinook accounted for the largest percentage (84%) of fish collected. Monitoring of juvenile collection efficiency (CE) is scheduled to begin March 1st, 2017.

Spring Chinook Smolt Release Updates

400,000 are currently slated to be released downstream.

ACC Meeting adjourned at 11:50 a.m.

Agenda items for March 9, 2017

- February 9, 2017 Meeting Notes
- 2016/2017 Aquatic Fund Project Review; DECISION MEETING
- Study/Work Product Updates
- 2017 Acclimation Fish; discuss monitoring plans for released fish
- Lewis River Hatchery Tour; revisit how long fish are being held in Lewis River Hatchery before being processed

Next Scheduled Meeting:

March 9, 2017
Merwin Hydro Control Center & Lewis River Hatchery Tour
Ariel, WA
9:00 a.m. – 3:00 p.m.

Meeting Handouts & Attachments:

- Meeting Notes from 1/12/17
- Agenda from 2/9/17
- Handout: 2016/2017 Aquatic Fund USFS Full Proposals
- [Attachment A](#) - Lewis River Fish Passage Report (January 2017)

Lewis River Fish Passage Report

January 2017

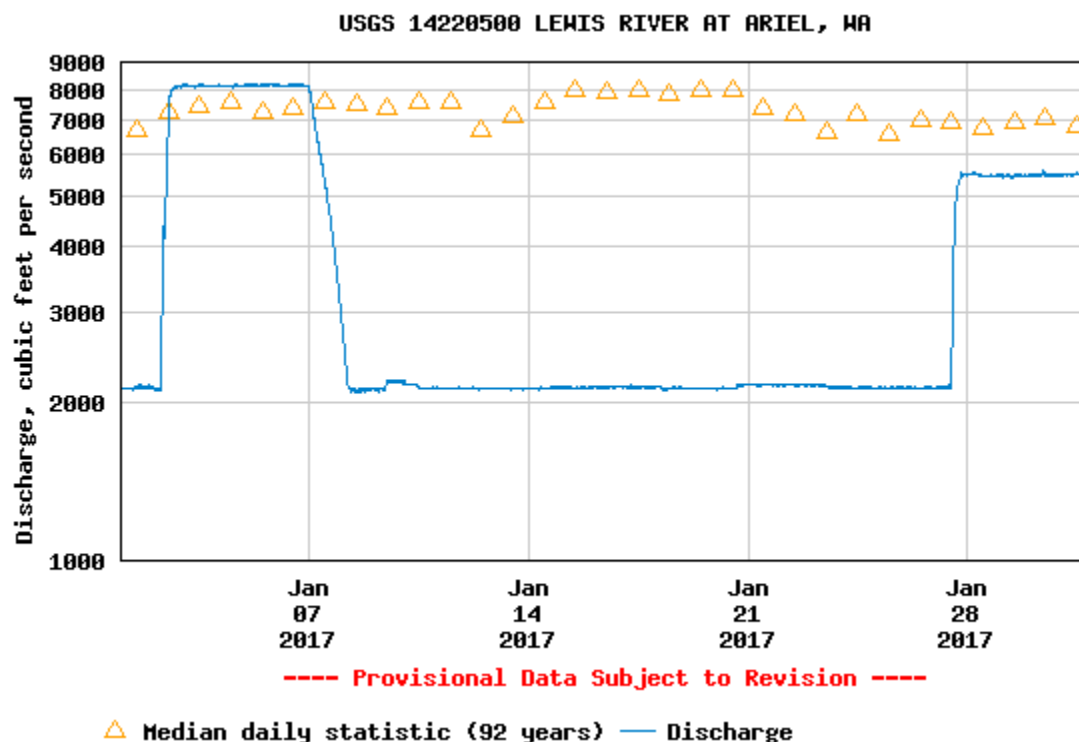
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Fish Facility Report

Merwin Adult Trap

January 2017

[illegible]

¹ Only hatchery verses wild distinctions are currently being made. All hatchery fish are labeled as "AD-Clip".

²Total counts do not include recaptured salmon.

Fish Facility Report
Swift Floating Surface Collector
January 2017

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																
02																
03	0	7	6	0	0	5	0	0	0	0	0	0	0	1	1	20
04	5	3	3	0	0	1	0	0	0	0	0	0	0	1	1	14
05	9	4	2	0	1	1	0	0	0	0	1	0	0	0	0	18
06	0	11	1	0	0	0	0	1	0	0	0	1	0	0	0	14
07	0	10	1	0	0	2	0	0	0	0	0	2	0	0	2	17
08																
09	9	8	0	0	3	5	0	0	0	0	0	0	0	0	0	25
10	6	3	0	0	0	5	0	0	0	0	0	0	0	0	0	14
11																
12	10	13	1	0	0	5	0	0	0	0	0	0	0	0	4	33
13	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	3
14																
15	0	6	1	0	0	1	0	1	0	0	0	1	0	0	1	11
16	0	5	2	0	2	3	0	0	0	0	0	0	0	0	1	13
17	0	3	0	0	0	3	0	0	0	0	0	1	0	0	3	10
18	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	4
19	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
20	5	0	2	0	0	3	0	0	0	0	0	0	0	0	5	15
21	2	0	5	0	0	4	0	0	1	0	0	0	0	0	1	13
22	1	1	10	0	0	1	0	0	0	0	0	1	0	0	2	16
23	0	0	11	0	0	1	0	0	1	0	0	1	0	0	5	19
24	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	3
25	0	1	3	0	0	1	0	0	0	0	0	0	0	0	3	8
26																
27																
28																
29																
30																
31																

Monthly	47	77	49	0	6	49	0	2	3	0	1	7	0	2	29	272
Annual	47	77	49	0	6	49	0	2	3	0	1	7	0	2	29	272

