

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

Date & Time: Thursday, January 12, 2017
9:00 a.m. – 10:30 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 12/8/16 Meeting Notes ➤ Comment & Accept Agenda and 12/8/16 Meeting Notes ➤ Public Comment Opportunity
9:30 a.m.	Acclimation Fish; discuss plans for 2017
10:00 a.m.	Study/Work Product Updates <ul style="list-style-type: none"> ○ 2016 Aquatic Fund Year-end Accounting ○ M&E Plan Update ○ H&S Plan Update ○ Woodland Release Ponds/Permit - Status ○ Acclimation Ponds - Status ○ Merwin Upstream Passage – Status ○ Swift Floating Surface Collector – Status ○ SPCH smolt release updates – Aaron Roberts
10:15 a.m.	<ul style="list-style-type: none"> ➤ Next Meeting’s Agenda ➤ Public Comment Opportunity Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro/hl/lr.html#
10:30 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
January 12, 2017
Conference Call Only

ACC Participants Present (14)

Jeremiah Doyle, PacifiCorp
 Frank Shrier, PacifiCorp
 Kim McCune, PacifiCorp
 Todd Olson, PacifiCorp
 Erik Lesko, PacifiCorp
 Chris Karchesky, PacifiCorp
 Amanda Froberg, Cowlitz PUD
 Peggy Miller, WDFW
 Pat Frazier, WDFW
 Eli Asher, Cowlitz Indian Tribe
 Ruth Tracy, USDA Forest Service
 Bryce Michaelis, USDA Forest Service
 Greg Robertson, USDA Forest Service

Guests

Al Thomas, Columbian

Calendar:

February 9, 2017	ACC Meeting	Merwin Hydro
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Assignments from January 12, 2017	Status
McCune: Send reminder to Aaron Roberts (WDFW) of September 8, 2016 assignment and cc Pat Frazier and Michelle Day.	Complete – 1/12/17

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.	Pending – Roberts to contact Michelle Day

Opening, Review of Agenda and Meeting Notes

Frank Shrier (PacifiCorp) called the meeting to order at 9:05 a.m. and reviewed the agenda. No additions to the agenda were requested.

Shrier also reviewed the December 9, 2016 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

Erik Lesko (PacifiCorp) informed the attendees we should have 1.35M Spring chinook but we have only 430,000 on site now. The target is as follows:

- Hatchery target: 1,250,000
- Acclimation fish: 100,000

Lesko asked the ACC attendees if we want to take a portion to release upstream for acclimation or take all 430,000 and release them below the dam.

Tagging takes place in May so a decision is needed before May 2017. The ACC attendees discussed the following available options:

- Option 1 - 30,000 going into acclimation areas at the designated sites (Muddy River, Lewis River at Crab Creek and Clear Creek)
- Option 2 - Release 30,000 into lower river; not tag/not clip and release as wild fish in Fall 2017
- Option 3 – Clip and keep in with HOR group.
- Option 4 – Similar proportion of upstream target applies same to current numbers of fish. Proportion is 8%

We have improved capture efficiency at the collector (doubled it) due to the guide nets and hopefully we keep bumping up the collection numbers.

The residual Spring chinook are spawning (land locked salmon) and have produced 800 wild par/smolts. Different kind of production we did not expect. Won't know for a couple of years until the adults come back how successful they might be. PacifiCorp would like the ACC to think about it and what to do with them. We'll make a decision at the next ACC meeting.

Pat Frazier (WDFW) expressed that we could maximize broodstock; release all straight out of the hatchery; do not take to the acclimation ponds. Not acclimate until we start receiving brood stock numbers needed.

If we choose to release downstream should we tag or untagged? If we use untagged as broodstock on the return then they would be mistaken as NORs and would be used for acclimation brood stock.

PacifiCorp is meeting with WDFW and Tacoma PUD to address strategies of how we can improve brood stock production.

The 2015 Spring and Fall releases were 157,000; transported 5,000 juvenile Spring chinook down river.

The 2016 Spring and Fall release was 30,000; only collected 3,000 Spring chinook at the collector.

If we suspend 2017 acclimation we would not have acclimation until 2018 or later. Olson expressed that PacifiCorp would likely file a notice with the Commission if the Utilities suspend 2017 acclimation.

2016 Aquatic Fund Year-end Accounting

Kim McCune (PacifiCorp) providing the following accounting as of December 31, 2016.

Lewis River License Implementation					
Lewis River Aquatics Fund - Resource Projects					
Sections 7.5, 7.5.1, 7.5.3, 7.5.3.1 & 7.7					
Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/2015				\$ 1,904,600.13	
1/22/2016	\$ 241.29	\$ -	\$ -	\$ 1,904,841.42	2011 Pine Creek Instr/Floodplain Structures for BT & Steelhead; funds not used - USDA FS
12/31/2016	\$ -	\$ (40,000.00)	\$ 71,948.95	\$ 2,094,573.78	2014 HAPPA Enhancement Project - LCFEG
		Total Spent to Date:		\$(1,783,531.00)	
		Balance Remaining:		\$ 2,094,573.78	

Lewis River License Implementation					
Lewis River Aquatics Fund - Bull Trout					
Sections 7.5, 7.5.1, 7.5.3, 7.5.3.1 & 7.7					
Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/2015				\$ 674,536.81	
12/31/2016	\$ -	\$ -	\$ 24,146.07	\$ 698,924.17	\$ -
		Total Spent to Date:		\$ (234,547.92)	
		Balance Remaining:		\$ 698,924.17	

Study/Work Product Updates

M&E Plan Update

An additional 45 day review was provided to the ACC at the request of Michelle Day (NMFS). Comments are due on or before February 3, 2017. PacifiCorp will file a final plan with the Commission shortly thereafter.

H&S Plan Update

Erik Lesko (PacifiCorp) is working on scheduling a subgroup meeting between February 6 – 8, 2017. A doodle poll will be provided to find the best date for attendees. The intent is to select some of the options and implement. Lesko is soliciting input from other hatcheries (Cowlitz, NOAA, Lewis River Hatchery) for guidance and they too will be invited to the H&S Meeting. Aaron Roberts was not present but had no updates to share beyond those presented at the previous meeting.

Woodland Release Ponds

Todd Olson (PacifiCorp) informed the ACC that PacifiCorp has reached an agreement with DNR. PacifiCorp is 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 Updates

A meeting has been scheduled January 20, 2017 between PacifiCorp and US Forest Services to discuss how to deal with the Muddy River acclimation pond removal. PacifiCorp's engineer has provided a rough plan for Forest Service review.

Merwin Fish Collection Facility and General Operations (Attachment A)

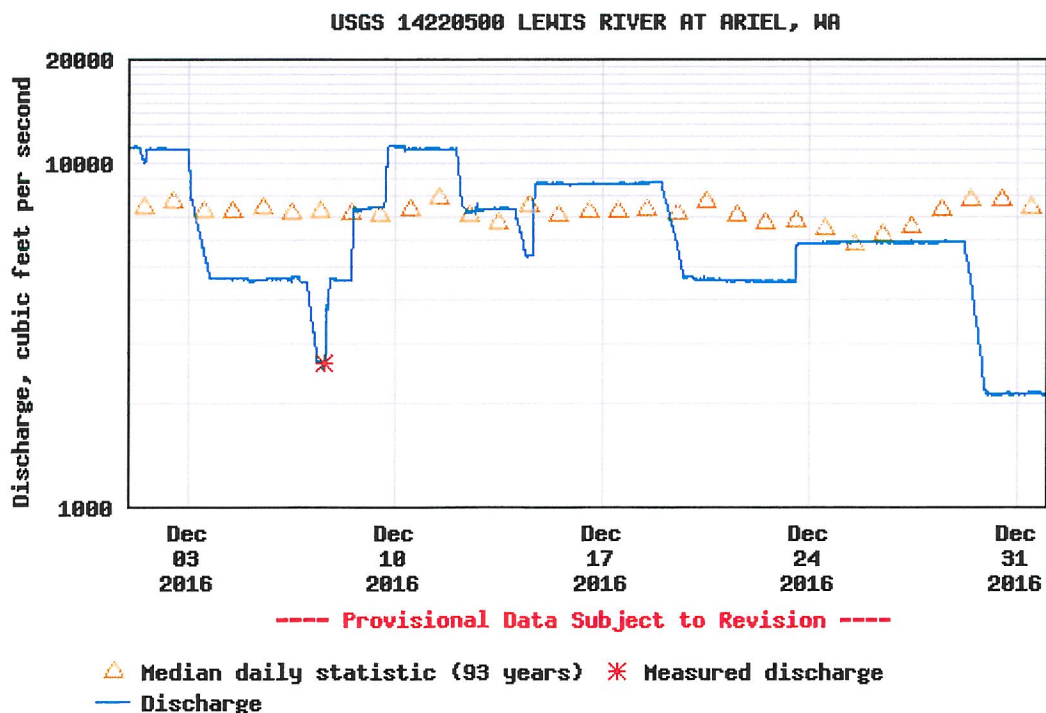
During the month of December, a total 1,194 fish were captured at the Merwin Adult Fish Collection Facility. The majority of these fish were hatchery winter steelhead (1,008 - 84%) while the few remaining comprised of mostly of late-run coho and fall Chinook. All hatchery fish were given to Washington Department of Fish and Wildlife. One (1) coastal cutthroat greater than 13-inches was captured this month. Overall, 23,572 fish were collected at the Merwin Adult Fish Collection Facility in 2016.

The Merwin Trap ran continuously through the month of December except during the scheduled outage to install the new fish ladder fyke and repair the crowder cabling system (December 1st through December 11th). Operation of the automatic fish lift and elevator system was suspended periodically during the month of December on account of freezing weather conditions and the risk of ice build-up. The Auxiliary Water Supply (AWS) system, which can boost attraction flow up to 400 cfs, was operated daily in the month of December.

River flow below Merwin Dam fluctuated between 2,110 and 11,100 cfs throughout the month of December.

Fish are finding the entrance just fine once the fyke was installed to keep fish from getting out and allowing collection. The fyke functioning well; looking positive to be in collection efficiency of 90-95%.

Discharge, cubic feet per second



Upstream Transport (Attachment A)

Seven hundred sixty seven blank wire tag (BWT) winter steelhead (767) were transported in spring 2016. An additional eighteen (18) BWT winter steelhead have been transported so far this fall (2017 run year). A total of 7,349 coho have been transported upstream so far this fall. Of these, 4,111 were early-coho while the remaining 3,238 were late-coho. Seventy-two (72) coastal cutthroat trout greater than thirteen inches in length have also been transported upstream this year.

2016 Coho Upstream Transport (thru December, 2016)

	Male	Female	Jack	Total
Early-coho	1,786	1,789	536	4,111
Late-coho	1,644	1,588	3	3,238

Swift Floating Surface Collector (Attachment A)

Operation of the Swift FSC was suspended in early December on account of severe weather conditions, ice and snow build-up, and poor road conditions. The FSC was returned to service once conditions improved. During the month of December, only 296 fish were collected with the majority of those fish being transported downstream. Juvenile coho and Chinook accounted for the largest percentage (95%) of fish collected. Overall, 73,859 fish were collected at the Swift FSC in 2016.

The full component of fish migration was pretty dismal (5-10 per day). Broodstock year a lot of fish in the system. 1% of fish collected in the Fall. The guide net worked and improved collection efficiency. There was a high flow event in December 2015 into the system that moved fish out to the reservoir much earlier on which we believe affected collection numbers and fish distribution.

2016/2017 outmigration behavior could be affected by severe cold temperature; fish don't like to move in the cold. We are beginning to learn after 3+ years what drives the out migration portion of the reintroduction process.

Other

Shrier informed the ACC attendees that this time last year on the Lewis River project area we had 0" snow pack while currently there is 100". The earlier snow pack may be more stable to freeze and slowly melt off for a better water outlook and refilling the reservoirs.

ACC Meeting adjourned at 10:10 a.m.

Agenda items for February 9, 2017

- January 12, 2017 Meeting Notes
- 2016/2017 Aquatic Fund Presentations
- Study/Work Product Updates
- Acclimation Fish; discuss plans for 2017

Next Scheduled Meetings:

February 9, 2017
Merwin Hydro Control Center
Ariel, WA
9:00 a.m. – 3:00 p.m.

Meeting Handouts & Attachments:

- Meeting Notes from 12/8/16
- Agenda from 1/12/17
- **Attachment A** - Lewis River Fish Passage Report (December 2016)

Lewis River Fish Passage Report

December 2016

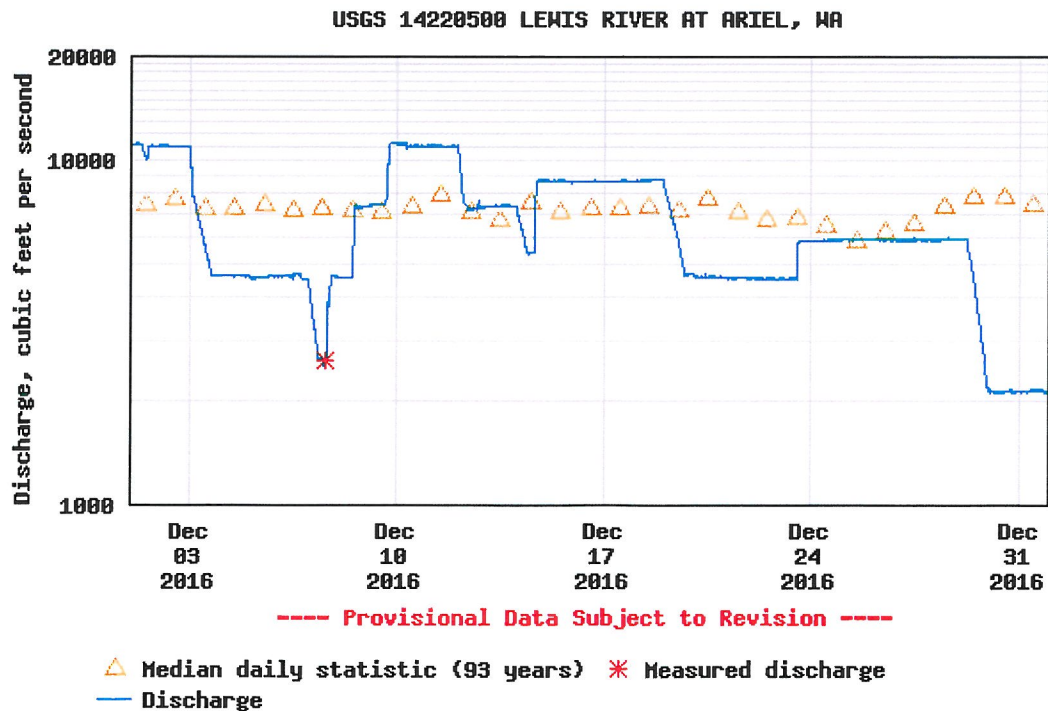
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Fish Facility Report
Swift Floating Surface Collector
December 2016

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	0	4	0	0	8	0	0	0	0	0	0	0	0	0	12
02	1	14	4	0	7	1	1	1	0	0	0	0	0	0	0	29
03	0	6	6	0	0	1	0	0	3	0	0	1	0	0	0	17
04	1	2	5	0	1	0	0	0	0	0	1	0	0	0	0	10
05	0	7	7	0	2	4	0	0	0	0	0	0	0	0	0	20
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21	2	0	6	0	0	9	0	0	1	0	0	1	0	1	2	22
22	0	6	25	0	0	5	0	0	0	0	0	2	0	0	4	42
23	0	9	10	0	0	8	0	0	0	0	0	1	0	0	2	30
24	0	3	2	0	0	3	0	0	0	0	0	0	0	0	0	8
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	3	0	0	0	1	0	0	0	0	0	0	0	1	0	5
27	10	7	0	0	0	1	0	0	0	0	0	0	0	0	0	18
28	10	1	0	0	0	1	0	0	0	0	0	0	0	0	0	12
29	20	6	1	0	0	3	0	0	0	0	0	0	0	0	2	32
30	20	6	1	0	0	3	0	0	0	0	0	0	0	0	2	32
31	1	0	3	0	0	1	0	0	0	0	0	0	0	0	2	7

Monthly	65	70	74	0	10	49	1	1	4	0	1	5	0	2	14	296
Annual	865	11223	48827	5	646	3116	32	74	2094	48	32	1036	33	40	5196	73859

