

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

**Date & Time:** Thursday, July 14, 2016  
9:00 a.m. – 11:15 a.m.

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

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

<b>Time</b>	<b>Discussion Item</b>
9:00 a.m.	Welcome <ul style="list-style-type: none"><li>➤ Review Agenda and ACC 6/9/16 Meeting Notes</li><li>➤ Comment &amp; Accept Agenda and 6/9/16 Meeting Notes</li></ul>
9:10 a.m.	Public Comment Opportunity
9:15 a.m.	Acclimation ponds; rebuild or take out, NEPA consultation, HPA discussion
10:00 a.m.	Study/Work Product Updates <ul style="list-style-type: none"><li>○ M&amp;E Update</li><li>○ Woodland Release Ponds/Permit - Status</li><li>○ Merwin Upstream Passage – Status</li><li>○ Swift Floating Surface Collector – Status</li><li>○ Aquatic Fund Subgroup Effort – Update</li></ul>
<b>10:30 a.m.</b>	<b>Break</b>
10:45 a.m.	Hyman Shoreline Structures - Update
11:00 a.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>11:15 a.m.</b>	<b>Adjourn</b>

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

**Conference ID: 848594**

**FINAL Meeting Notes**  
**Lewis River License Implementation**  
**Aquatic Coordination Committee (ACC) Meeting**  
**July 14, 2016**  
**Merwin Hydro Control Center**

**ACC Participants Present (13)**

Chris Karchesky, PacifiCorp  
 Frank Shrier, PacifiCorp  
 Erik Lesko, PacifiCorp  
 Kim McCune, PacifiCorp (via conference)  
 Aaron Roberts, WDFW  
 Peggy Miller, WDFW  
 Pat Frazier, WDFW (via conference)  
 Michelle Day, NMFS  
 Ruth Tracy, USDA Forest Service  
 Bryce Michaelis, USDA Forest Service

**Guests**

Al Thomas, Columbian  
 Michael Lackner, PacifiCorp  
 Greg Robertson, USDA Forest Service

**Calendar:**

August 11, 2016	ACC Meeting	Merwin Hydro
August 15, 2016	ACC Meeting (Aquatic Fund Subgroup)	Merwin Hydro

<b>Assignments from July 14, 2016</b>	<b>Status</b>
McCune: Email a 7-day comment period to the ACC specific to removal of the Muddy infiltration gallery, stilling well and all underground piping.	<b>Complete – 7/15/16</b>
Karchesky: Email draft acclimation fish release plan and evaluation strategy before August 11, 2016 ACC Meeting – to be discussed at the meeting.	<b>Complete 8/11/16</b>

<b>Assignments from June 9, 2016</b>	<b>Status</b>
<b>Shrier/McCune:</b> Email Clear Creek and Muddy River construction drawings to the ACC.	<b>Complete – 6/10/16</b>
Tracy: USFS to advise PacifiCorp what action is needed to remove the Muddy River infiltration gallery and re-evaluate the NEPA.	<b>Complete – 6/14/16</b>

<b>Assignments from May 12, 2016</b>	<b>Status</b>
Tracy/Michaelis: Advise PacifiCorp what action is needed to remove the Clear Creek infiltration gallery and re-evaluate the NEPA.	<b>Pending</b>

Assignments from April 14, 2016	Status
Celedonia & Doyle: Flesh out a Yale HPP study plan and bring back to the ACC for its review.	<b>ACC agreed to postpone until Feb. 2017</b>

Assignments from February 11, 2016	Status
Frazier: Submit extension request details to McCune for the 2013 Survey of BT Stream Habitat Aquatic Fund Project.	<b>Pending</b>

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

Frank Shrier (PacifiCorp) called the meeting to order at 9:10 a.m. and reviewed the agenda. No additions to the agenda were requested.

An addition to the agenda includes the following:

- In Lieu Fish Passage Update
- Flow Coordination Committee Decision

Shrier also reviewed the June 9, 2016 meeting notes which were approved without change at 9:15am.

### **Public Comment**

None

### **Shoreline Structure Permit Application**

Michael Lackner (PacifiCorp) provided the ACC with the following update:

- TCC reviewing the application as of July 13, 2016 as it relates to WHMP lands.
- Applicant proposes walkway replacement, repairs and maintenance to existing structures.
- Rebuild the existing deck; smaller footprint than existing structure
- Applicant must consult with jurisdictional agencies
- Existing wall and gabion are dilapidated and will be upgraded and/or reused.

Note: if a proposed shoreline project is not on resource lands then the ACC does not to review and approve. ACC does approve any new uses on resource lands.

### **Acclimation Ponds; rebuild or take out, NEPA consultation, HPA Discussion**

*Muddy River:* Forest Service (FS) clearly stated to remove the Muddy River infiltration gallery and stilling well, all underground piping, and the inlet/outlet control structures. Kim McCune (PacifiCorp) will email a 7-day comment period to the ACC specific to removal of the Muddy infiltration gallery, stilling well and all underground piping.

*Clear Creek:* No decision yet to keep or take out. Ruth Tracy (FS) stated that the rip rap installed along the shoreline which was washed into the river channel during the flood should be removed

and placed back on the shoreline or stored nearby until a decision is made on whether the structure will be used again. Tracy will report back to the ACC regarding what the FS decision makers require relative to the rip rap. The Clear Creek PIT tag antenna is scheduled to be removed this September in compliance with the Forest Service Special Use Permit (SUP). The ACC would like to keep the antenna there for a longer period of time to monitor acclimation fish releases. This would require that the SUP be renewed/extended. Ruth Tracy indicated that this would likely be possible if the antenna would be a benefit to the acclimation program.

*Crab Creek:* The ACC will be visiting this site during the August 11, 2016 meeting.

A general discussion regarding the future of the Lewis River acclimation program occurred. The primary topic of this discussion was the future direction of the program given that the current strategy is not working. Pat Frazier (WDFW) suggested the ACC should consider a hiatus for all three acclimation pond sites (Muddy River, Clear Creek & Crab Creek) for additional review of alternative temporary ponds and/or further investigating the egg incubation with upper basin water method as the current strategy is not working and is not sustainable. Pat also indicated that this would also provide time for adult return numbers to increase (as less than 500 spring Chinook arrived back to the Lewis River so far in 2016). Michelle Day (NMFS) also expressed the need for the ACC to develop a sustainable approach to the acclimation program. Chris Karchesky (PacifiCorp) suggested that additional information be learned this year for the direct release strategy – rather than simply dumping a large number of fish at a few release points, release smaller numbers of fish throughout the upper basin much like a seed program. Approximately 33,000 spring Chinook are scheduled to be released directly into the upper basin this fall (2016). Karchesky offered to put together an acclimation fish release plan and evaluation strategy for this fall and send it out before the August 11, 2016 ACC Meeting. Information gained from this effort could be used to help direct future strategies for the program.

## **Study/Work Product Updates**

### **M&E Update**

Shrier informed the ACC attendees that the M&E Subgroup still has 5-6 sections to review by the end of August. The Subgroup will push forward those sections that do not need much review or are less cumbersome and address them during the 90-day review period. Sections 7, 12, 15 & 22 need comprehensive review and discussion. The next Subgroup meeting is July 28, 2016.

### **Aquatic Fund Subgroup**

The Subgroup is close to finishing the Priority Reaches document which requires completed by the end of August 2016. Next meeting is scheduled for August 15, 2016. The aquatic fund announcement will be sent September 2, 2016.

### **Woodland Release Ponds**

Shrier informed the ACC that PacifiCorp received its eagle permit from the US Fish and Wildlife Service. The tree marked for removed was diseased and the eagles moved their nest across the river. The entire permit package is with WDNr and we have not heard from them. Still trying to build the project in 2017.

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

During the month of June, a total 929 fish were captured at the Merwin Fish Collection Facility. The vast majority of these fish (93%) were summer steelhead while the few remaining comprised

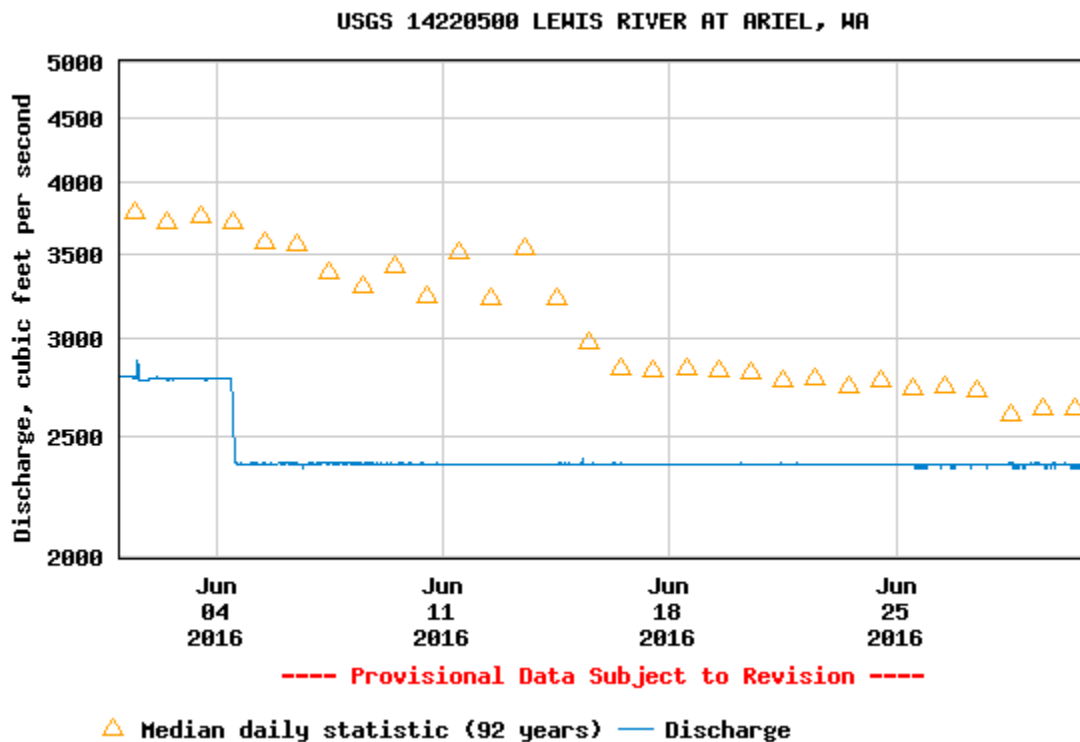
of both spring Chinook and winter steelhead. All hatchery fish were given to Washington Department of Fish and Wildlife including one (1) wild spring Chinook for acclimation fish brood stock. One (1) female BWT winter steelhead was transported upstream of Swift Dam during the month of June.

The Merwin Trap ran continuously through the month of June except on June 14<sup>th</sup> when it was shut down for debris removal at the upstream intake above Merwin Dam. PacifiCorp moved to a 5-day per week sorting schedule in June. Under these conditions, the fish lift and conveyance system remains operational seven (7) days a week, but fish are only sorted Monday through Friday. The trap will return to a seven (7) day per week sorting schedule once early-coho begin to arrive in August. The Auxiliary Water Supply (AWS) system, which can boost attraction flow up to 400 cfs, was operated daily in the month of June.

River flow below Merwin Dam remained at between approximately 2,700 and 2,300 cfs throughout the month of June.

A one-week outage is scheduled for the Merwin Trap in August (2016). Chris Karchesky (PacifiCorp) will forward that information along as the timing of the outage is finalized.

## Discharge, cubic feet per second



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

For calendar year 2016, seven hundred sixty seven blank wire tag winter steelhead (three of which were captured at Lewis River Fish Hatchery), six hatchery coho (January 2016), and eight cutthroat trout greater than thirteen inches in length have been transported upstream.

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

A total of 11,240 fish were collected at the Swift FSC during the month of June; of which most were transported downstream. The majority (90 percent) of these fish were coho (n=10,118), followed by planted rainbow (n=813), steelhead (n=131), cutthroat (n=89), spring chinook (n=75) and bull trout (n=3). Subsampling ended on June 18<sup>th</sup>; at which time all fish were enumerated and sorted. The FSC remained in operation throughout the month of June. Water temperature recorded at the FSC on June 30 was 16.9 °C.

### **Swift Floating Surface Collector Summer Outage**

The Swift FSC was shut down for the summer outage period July 13, 2016. It is anticipated that the FSC will return to service around mid-October. Karchesky provided an update of the total number of juvenile out-migrants collected at Swift FSC from June 20 – July 13, 2016 and the total number of fish collected at the Swift FSC through July 13, 2016, as full detailed in [Attachment B](#).

### **Other**

Michelle Day brought up a point about program fish that were flushed into Yale reservoir via spill at Swift Dam this past winter. She wants to discuss how this relates to the In lieu/Yale fish passage discussion.

*<Meeting adjourned at 11:15 a.m. >*

### **Agenda items for August 11, 2016**

- July 13, 2016 Meeting Notes
- Acclimation Pond options, what is sample size, variable years options, where to release fish in the fall
- Crab Creek Field Tour
- Study/Work Product Updates

### **Next Scheduled Meetings:**

August 11, 2016	August 15, 2016 (Aquatic Fund Subgroup)
Merwin Hydro Control Center	Merwin Hydro Control Center
Ariel, WA	Ariel, WA
10:00 a.m. – 2:00 p.m.	9:00 a.m. – 3:00 p.m.

### **Meeting Handouts & Attachments:**

- Meeting Notes from 6/9/16
- Agenda from 7/13/16
- [Attachment A](#) - Lewis River Fish Passage Report (June 2016)
- [Attachment B](#) – Swift Floating Surface Collection Update (July 2016)

# Lewis River Fish Passage Report

June 2016

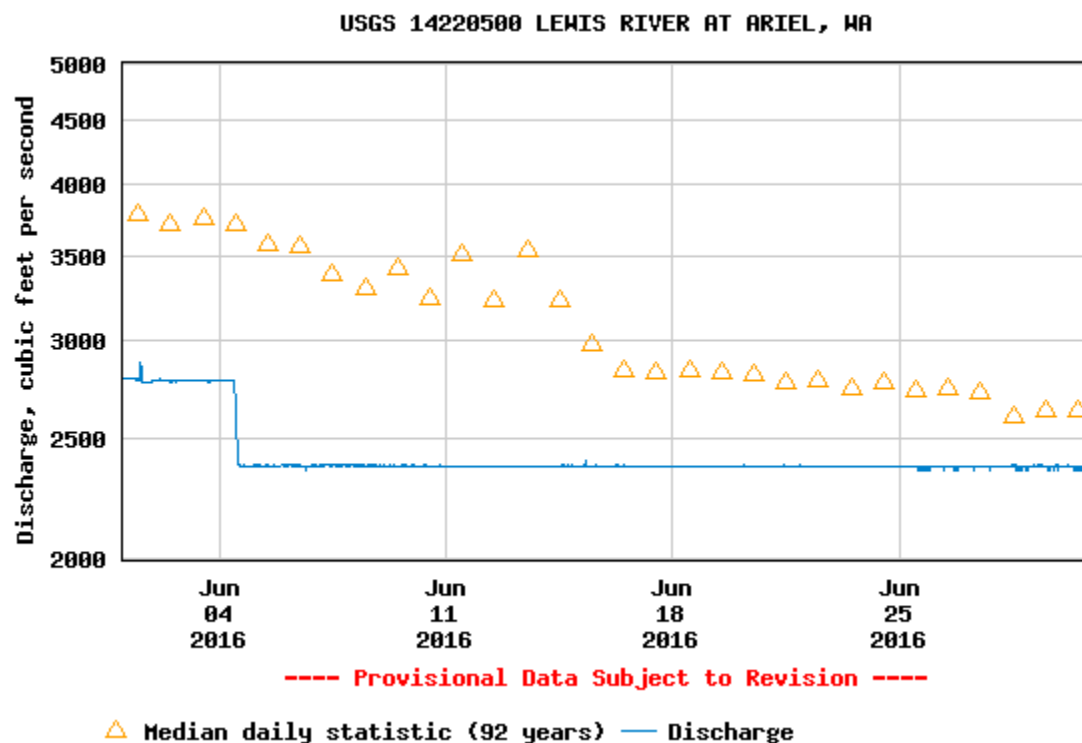
## Merwin Fish Collection Facility and General Operations

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# Fish Facility Report

## Merwin Adult Trap

### June 2016

[illegible]

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

<sup>2</sup>Total counts do not include recaptured salmon.

**Fish Facility Report**  
**Swift Floating Surface Collector**  
**June 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	1	947	0	0	0	0	0	30	0	0	10	1	1	0	990
02	0	12	363	0	0	10	0	1	10	0	0	0	1	0	12	409
03	0	8	1987	0	0	2	0	0	25	0	0	24	0	0	23	2069
04	0	0	632	0	0	10	0	0	10	0	0	1	1	0	23	677
05	0	2	1262	0	0	10	0	0	20	1	0	0	0	0	22	1317
06	0	2	554	0	0	0	0	0	0	4	0	0	0	0	55	615
07	0	0	573	0	0	0	0	0	0	1	0	0	0	0	1	575
08	0	0	718	0	0	0	0	0	0	0	0	20	0	0	52	790
09	0	0	234	0	0	3	0	0	3	1	0	4	0	0	127	370
10	0	3	110	0	0	0	0	0	0	1	0	1	0	0	43	158
11	0	0	64	0	0	0	0	0	0	0	0	0	0	0	11	75
12	0	0	257	0	0	0	0	0	10	1	0	0	0	1	5	274
13	0	0	20	0	0	0	0	0	0	0	0	0	0	0	54	74
14	0	0	10	0	0	0	0	0	1	1	0	0	0	0	34	46
15	0	1	21	0	0	0	0	0	0	0	0	0	0	0	23	45
16	0	1	116	0	0	0	0	0	0	0	0	0	0	0	4	121
17	0	1	119	0	0	4	0	4	0	0	0	2	3	0	5	138
18	0	1	38	0	0	0	0	0	0	0	0	1	0	0	7	47
19	0	0	100	0	0	1	0	0	0	0	0	1	0	0	12	114
20	0	0	180	0	1	2	0	0	0	0	0	0	2	0	7	192
21	0	2	299	0	0	2	0	0	0	1	0	2	0	0	17	323
22	0	41	665	0	0	13	0	0	9	0	0	1	0	0	20	749
23	0	1	55	0	0	0	0	0	2	0	0	2	0	0	22	82
24	0	3	57	0	0	2	0	0	0	1	0	0	0	1	12	76
25	2	3	196	0	0	2	0	0	1	0	0	1	0	0	14	219
26	0	0	184	0	0	4	0	0	2	0	0	5	0	0	13	208
27	0	0	80	0	0	4	0	0	1	1	0	1	0	0	19	106
28	0	3	65	0	0	4	0	0	1	0	0	1	0	0	45	119
29	0	1	82	0	0	0	0	0	0	0	0	4	0	0	74	161
30	0	1	41	0	0	1	1	0	0	0	0	0	0	0	57	101

<b>Monthly</b>	2	87	10029	0	1	74	1	5	125	13	0	81	8	3	813	11240
<b>Annual</b>	516	10631	48247	0	565	2857	2	63	2072	47	5	1010	33	39	5034	71121



**Swift FSC Collection Update – ACC Meeting (7/14/2016)**

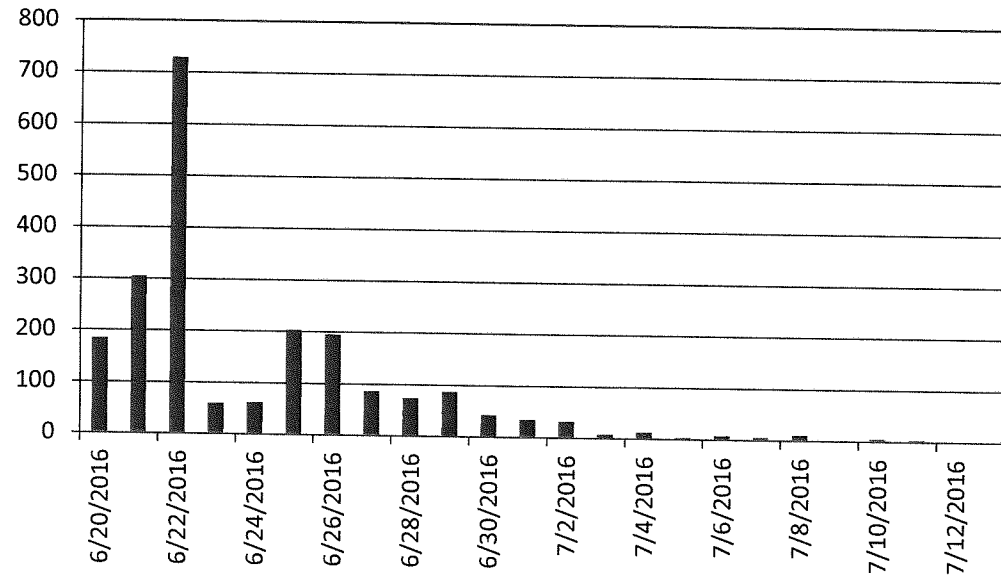


Figure 1. Total number of juvenile out-migrants collected at the Swift FSC from June 20 through July 13, 2016.

Table 1. Total number of fish collected at the Swift FSC through July 13, 2016.

Coho			Chinook			Steelhead				Cutthroat			Bull Trout	Planted Rainbow	Total
fry	parr	smolt	fry	parr	smolt	fry	parr	smolt	kelt	fry	< 13 in	> 13 in			
717	10,705	48,312	0	565	2,857	27	64	2,076	47	5	1,014	33	39	5,170	71,629