

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

Date & Time: Thursday, January 8, 2015
9:00 a.m. – 11:00 a.m.

Place: Conference Call

Contacts: Frank Shrier: (503) 320-7423

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none"> ➤ Review Agenda and 12/11/14 Meeting Notes ➤ Comment & accept Agenda and 12/11/14 Meeting Notes
9:15 a.m.	Swift Collection Operation Discussion
10:15 a.m.	<ul style="list-style-type: none"> ○ Study/Work Product Updates ○ Eulachon Consultation - Status ○ Woodland Release Ponds - Status ○ Hatchery Upgrades - Status ○ Acclimation Ponds - Status ○ Merwin Upstream Passage – Status ○ Swift Floating Surface Collector – Status
10:45 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#
11:00 a.m.	Adjourn

Join by Phone

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

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

Conference ID: 5687805

FINAL Meeting Notes
Lewis River License Implementation
Aquatic Coordination Committee (ACC) Meeting
January 8, 2015
Conference Call

ACC Participants Present (11)

Erik Lesko, PacifiCorp Energy
 Kim McCune, PacifiCorp Energy
 Chris Karchesky, PacifiCorp Energy
 Frank Shrier, PacifiCorp Energy
 Baker Holden, USFS
 Peggy Miller, WDFW
 Michelle Day, NMFS
 Aaron Roberts, WDFW
 Eric Kinne, WDFW
 Pat Frazier, LCFRB

Guest

Allen Thomas, Columbian

Calendar:

February 12, 2015	ACC Meeting	Merwin Hydro
March 12, 2015	ACC Meeting	Merwin Hydro

Assignments from January 8, 2015 meeting	
Lesko: Follow up with PacifiCorp's permitting department to confirm if a DNR lease is required for Speelyai Hatchery Intake and report back to the ACC and Aaron Roberts (WDFW).	Do not need DNR lease. Complete 2/12/15

Assignments from December 11, 2014 meeting	
Lesko: Follow up with WDFW and inquire about the status of the 2012/2013 lower river coho abundance survey data for 2013 H&S Annual Report. Information still pending as of 2/13/2014.	As of 2/12/15 Kinne checking with WDFW
McCune: Prepare a draft extension request letter for internal PacifiCorp review after the first of the year specific to the M&E five year rewrite.	Complete – 1/27/15
Haspiel: Forward the Crab Creek Acclimation Pond email to Michelle Day at NMFS and request a formal written approval.	Complete – 2/12/15
PacifiCorp (Karchesky): Write up an FSC operation description and present to the ACC for review and comment relating to annual shut down due to water temps and needed annual maintenance.	Complete – 1/21/15

Opening, Review of Agenda and Meeting Notes

Frank Shrier (PacifiCorp) called the meeting to order at 9:05 a.m. and reviewed the agenda and assignments. Kim McCune communicated that she will provide the Lewis River Aquatic Funds 2014 year-end financial reporting.

The December 11, 2014 meeting notes were reviewed and approved at 9:10 am without change. McCune will follow up with Adam Haspiel to confirm if this assignment below was completed:

Haspiel: Forward the Crab Creek Acclimation Pond email to Michelle Day at NMFS and request a formal written approval.	Pending
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McCune will finalize the December 11, 2014 meeting notes for posting to the Lewis River website.

Swift Collection Operation Discussion

Chris Karchesky (PacifiCorp) will complete the draft summary of proposed operational changes and send it out to the ACC for review prior to the February ACC Meeting. Pat Frazier (LCFRB) noted that if the write-up summarizes the points made during the December meeting, then the ACC should not have a problem with the planned outage schedule. He also added that he thought the ACC was making the right decision to cease collection during this time period.

The ACC agreed to move this agenda item to the February 12, 2015 meeting for further review and discussion.

Study/Work Product Updates

Eulachon Consultation

Michelle Day (NMFS) communicated that NMFS is working diligently on submitting its Eulachon Biological Opinion (BiOp) to the FERC. She also noted that PacifiCorp and the Cowlitz Indian Tribe have reviewed the Terms & Conditions portion.

Woodland Release Ponds

On hold for Eulachon consultation. Once the NMFS BiOp is received the Army Corps of Engineers can then issue a permit to do the work. The next step is to secure a lease agreement with the Department of Natural Resources (DNR) relating to facility in the bed and banks of the river. PacifiCorp will need to show evidence of insurance/\$3M bond. Shrier informed the ACC attendees that the DNR lease review process is a minimum of one year. This schedule would require putting off the Release Pond project for another year. Shrier also noted that the DNR will not review the lease until the BiOp is completed and all permits are in place.

Hatchery Upgrades:

Two projects remain as part of Schedule 8.7 of the Settlement Agreement.

Speelyai Hatchery Intake Modifications: In light of the recent information about a DNR lease needed for the Woodland Release Ponds Lesko will follow up with PacifiCorp's permitting department to confirm if a DNR lease is required for Speelyai Hatchery Intake and report back to the ACC and Aaron Roberts (WDFW). All remaining permits are in place. If the DNR lease is

not needed for this project it will be completed approximately September 2015. Lesko will send schedule information to Aaron Roberts (complete).

Lewis River Downstream Intake: Scheduled for completion by end of 2015 pending Eulachon BiOp.

Acclimation Pond/Crab Creek Status

On track to complete construction on Crab Creek in 2015 for operation in 2016. An approval letter from the NMFS is needed. Haspiel will forward the email in question to Michelle Day at NMFS and request a formal written approval.

Acclimation Ponds

Crab Creek: This project is slated for work to begin summer 2015.

Muddy River and Clear Creek: In mid February 2015 PacifiCorp plans to water up the ponds and confirm water quality is sufficient in the Muddy River pond; there will be a full complement of 100,000 fish and 10% of the fish will be PIT tagged.

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

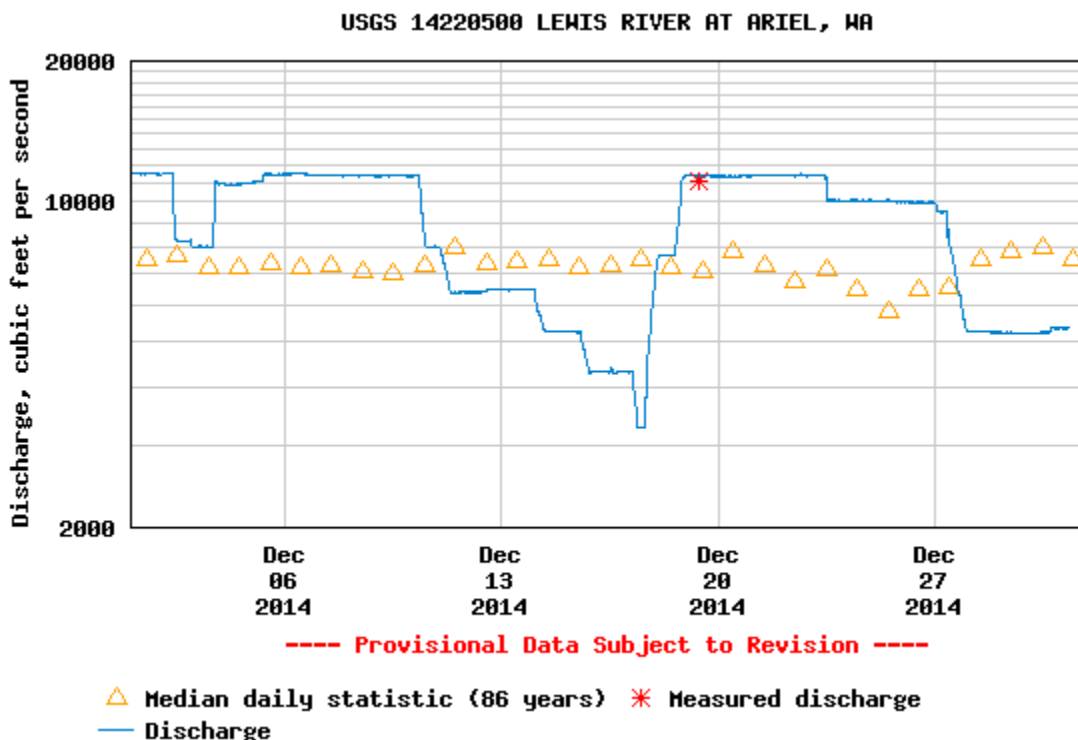
During the month of December, a total of 907 fish were captured at the Merwin Fish Collection Facility; the majority (55%) of these fish were late run coho (n=501) followed by hatchery winter steelhead (n=353), and hatchery summer steelhead (n=12). One wild winter steelhead was captured and returned to the lower river. All hatchery fish and late run wild coho were transported to Lewis River Fish Hatchery and processed by WDFW. In addition, other species collected in December included resident rainbow trout (n = 32) and cutthroat trout (n=8).

The Auxiliary Water Supply (AWS) system, which can boost attraction flow up to 400 cfs, was operated daily. The Ladder Water Supply (LWS) was operated daily throughout the month of December.

River flow below Merwin Dam ranged between approximately 3,260 cfs to 11,500 cfs during December.

PacifiCorp experienced operational issues at Merwin Trap due to freezing conditions the first of January 2015. Operation of the trap's lower crowder and conveyance system was suspended on January 4th due to icing. It was returned to service on January 5th. The trap is currently operating and no outages are expected anytime soon.

Discharge, cubic feet per second



Upstream Transport ([Attachment A](#))

Eight cutthroat trout greater than 13 inches were transported upstream in December. To date, a total 1,033 (452 m: 581 f) BWT winter steelhead, 9,179 early run Coho (4,788 m: 4,217 f: 174 Jack), and 42 cutthroat trout exceeding 13 inches in length have been transported and released into the headwaters of Swift Reservoir for 2014.

Swift Floating Surface Collector ([Attachment A](#)) A total of 686 fish were collected during the month of December. The majority (62 percent) of these fish were juvenile coho (n=424), followed by spring Chinook smolts (n=179), cutthroat trout (n=73), steelhead smolts (n=7), and hatchery rainbow trout (n=3). All hatchery rainbow trout were returned to Swift Reservoir. The FSC was turned off December 24th due to a malfunctioning water supply valve; the FSC was returned to service December 31, 2014 once the valve was repaired and has been running ever since.

Acclimation Ponds

Crab Creek: This project is slated for work to begin summer 2015.

Muddy River and Clear Creek: In mid February 2015 PacifiCorp plans to water up the ponds and confirm water quality; there will be a full complement of 100,000 fish and 10% of the fish will be PIT tagged.

2014/2015 Year-end Financial Reporting

McCune provided the following Lewis River Aquatic Fund year-end reporting, dated 12/31/2014 ([Attachment B](#)). She also noted that the \$40,000 award to LCFEG for the 2014 Haapa Habitat Enhancement Group has yet to be funded and is not reflected in the 2014 financial reporting but will be included in the 2015 reporting. In response to Pat Frazier's (LCFRB) question there will be no further contributions to the Bull Trout fund, according to the Lewis River Settlement

Agreement, Section 7.5. However, the existing balance will carry forward each year until exhausted but no further interest will accrue.

7.5 Lewis River Aquatics Fund – Resource Projects: \$1,775,511.60*
 *Balance as of 12/31/2014

7.5 Lewis River Aquatics Fund – Bull Trout: \$ 652,857.24*
 *Balance as of 12/31/2014

McCune also informed the ACC attendees of the following PacifiCorp contributions yet to be made, in accordance with the Lewis River Settlement Agreement, SA 7.5.1:

- On each April 30 commencing in 2015, \$100,000 per year through 2018
- On each April 30 commencing in 2019, \$200,000 per year through 2027

<9:45 a.m. meeting adjourned>

Agenda items for February 12, 2015

- Review January 8, 2015 Meeting Notes
- 2014/2015 Aquatic Fund Proposal Presentations
- Swift Collection Operation Discussion
- Production Numbers for 2016 Discussion – Spring Chinook
- Permitting Release Pond; DNR lease update
- Study/Work Product Updates

Public Comment

None

Other

None

Next Scheduled Meetings

February 12, 2015	March 12, 2015
Merwin Hydro Control Center	Merwin Hydro Control Center
Ariel, WA	Ariel, WA
9:00 a.m. – 3:00 p.m.	9:00 a.m. – 3:00 p.m.

Meeting Handouts & Attachments

- Notes from 12/11/14
- Agenda from 1/8/15
- **Attachment A** – Lewis River Fish Passage Report – December 2014
- **Attachment B** - Lewis River Aquatic Fund year-end reporting, dated 12/31/2014

Lewis River Fish Passage Report

December 2014

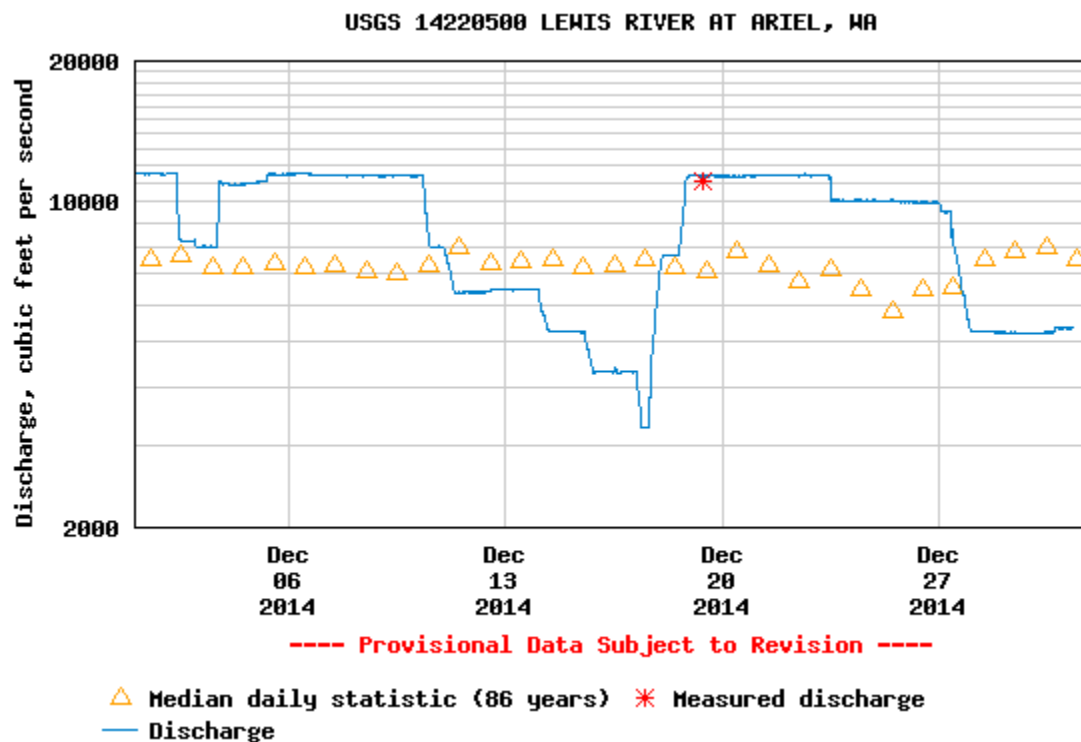
Merwin Fish Collection Facility and General Operations

During the month of December, a total 907 fish were captured at the Merwin Fish Collection Facility; the majority (55%) of these fish were late run coho (n=501) followed by hatchery winter steelhead (n=353), and hatchery summer steelhead (n=12). One wild winter steelhead was captured and returned to the lower river. All hatchery fish and late run wild coho were transported to Lewis River Fish Hatchery and processed by WDFW. In addition, other species collected in December included resident rainbow trout (n = 32) and cutthroat trout (n=8).

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Discharge, cubic feet per second



Upstream Transport

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Swift Floating Surface Collector

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Fish Facility Report
Swift Floating Surface Collector
December 2014

Day	Coho		Chinook		Steelhead			Cutthroat			Bull Trout			Planted Rainbow	Total
	fry	smolt	fry	smolt	fry	smolt	kelt	fry	< 13 in	> 13 in	fry	< 13 in	> 13 in		
01	0	197	0	11	0	0	0	0	22	0	0	0	0	0	230
02	0	65	0	8	0	3	0	0	2	0	0	0	0	0	78
03	0	49	0	15	0	2	0	0	10	0	0	0	0	0	76
04	0	16	0	5	0	0	0	0	2	0	0	0	0	0	23
05	0	3	0	0	0	0	0	0	1	0	0	0	0	0	4
06	0	8	0	13	0	0	0	0	1	0	0	0	0	0	22
07	0	7	0	0	0	0	0	0	2	0	0	0	0	0	9
08	0	7	0	5	0	0	0	0	1	0	0	0	0	0	13
09	0	1	0	5	0	0	0	0	4	0	0	0	0	0	10
10	0	3	0	12	0	0	0	0	2	0	0	0	0	0	17
11	0	9	0	2	0	0	0	0	0	0	0	0	0	0	11
12	0	3	0	8	0	0	0	0	2	0	0	0	0	0	13
13	0	2	0	3	0	0	0	0	4	0	0	0	0	0	9
14	0	2	0	7	0	0	0	0	1	0	0	0	0	0	10
15	0	17	0	3	0	1	0	0	3	0	0	0	0	0	24
16	0	9	0	12	0	1	0	0	1	0	0	0	0	1	24
17	0	3	0	18	0	0	0	0	2	0	0	0	0	0	23
18	0	1	0	17	0	0	0	0	2	0	0	0	0	0	20
19	0	1	0	17	0	0	0	0	2	0	0	0	0	0	20
20	0	2	0	5	0	0	0	0	0	0	0	0	0	2	9
21	0	6	0	4	0	0	0	0	0	0	0	0	0	0	10
22	0	3	0	2	0	0	0	0	1	0	0	0	0	0	6
23	0	7	0	3	0	0	0	0	6	0	0	0	0	0	16
24	0	3	0	4	0	0	0	0	2	0	0	0	0	0	9
25															
26															
27															
28															
29															
30															
31															

Monthly	0	424	0	179	0	7	0	0	73	0	0	0	0	3	686
Annual	1520	7659	0	2195	3	539	7	150	857	3	0	4	2	648	13587

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	Funding Start Date: 4/30/05
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Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/05	\$ 161,327.11			\$ 161,327.11	Contributions in 2004 dollars, adjusted for inflation
4/30/06	\$ 212,172.03			\$ 373,499.14	
9/30/06		\$ 46,000.00		\$ 327,499.14	Muddy River Tributary Road Decommission - USDA FS*
12/31/06			\$ 24,305.00	\$ 351,804.14	
4/30/07	\$ 164,776.65	\$ 80,000.00		\$ 436,580.79	Fish Passage Culvert Replacement - USDA FS*
8/23/07		\$ 79,000.00		\$ 357,580.79	2007 Dispersed Camping & Day Use Road Restoration - USDA FS*
9/6/07		\$ 75,000.00		\$ 282,580.79	2007 Aquatic Funding Enhancement Projects - Cowlitz Indian Tribe*
12/31/07			\$ 29,954.06	\$ 312,534.85	
4/30/08	\$ 225,723.71			\$ 538,258.56	
7/3/08		\$ 34,000.00		\$ 504,258.56	2008 Clear Creek Road Decommission - USDA FS (project withdrawn)
7/3/08		\$ 117,000.00		\$ 387,258.56	2008 Muddy River Habitat Improvement - USDA FS*
10/2/08		\$ 43,500.00		\$ 343,758.56	2008 Mud Creek Enhancement - Cowlitz Indian Tribe*
12/31/08			\$ 19,538.54	\$ 363,297.10	
4/30/09	\$ 374,275.05			\$ 737,572.15	
8/20/09		\$ 190,000.00		\$ 547,572.15	2009 NF RM 13.5 Habitat Enhancement - LCFEG*
9/16/09		\$ 106,000.00		\$ 441,572.15	2009 Clear Creek Instream - USDA FS*
9/24/09		\$ 33,000.00		\$ 408,572.15	2009 Spencer Peak Road Decommission - USDA FS*
9/25/09		\$ 41,000.00		\$ 367,572.15	2009 Nutrient Enhancement Pine Creek - USDA FS*
12/31/09			\$ 16,279.44	\$ 383,851.59	
4/30/10	\$ 375,965.20			\$ 759,816.79	
12/22/10		\$ 50,000.00		\$ 709,816.79	2009 Plas Newydd RM 2.0 Off-Channel Habitat Enhancement - Cowlitz Indian Tribe*
12/31/10			\$ 20,932.78	\$ 730,749.57	
1/11/11		\$ 41,300.00		\$ 689,449.57	2010 Pepper-Lewis Side Channel Instream Habitat Restoration - USDA FS*
1/26/11		\$ 32,500.00		\$ 656,949.57	2010 Pine Creek Instream and Floodplain Structures for BT & Steelhead - USDA FS*
4/30/11	\$ 382,749.82			\$ 1,039,699.39	
7/21/11		\$ 39,000.00		\$ 1,000,699.39	2011 Muddy River Side Channel Restoration - USDA FS*
8/19/11		\$ 42,000.00		\$ 958,699.39	2011 Lewis River Side Channel Near Muddy River Instream Habitat Restoration - USDA FS
9/21/11	\$ 1,695.65			\$ 960,395.04	2009 Pine Creek Nutrient Enhancement funds not used - USDA FS
12/31/11			\$ 29,240.92	\$ 989,635.96	
3/23/12	\$ 1,161.06			\$ 990,797.02	2007 Dispersed Camping & Day Use Road Restoration funds not used - USDA FS
4/30/12	\$ 391,012.52			\$ 1,381,809.54	
6/15/12	\$ 34,000.00			\$ 1,415,809.54	2008 Clear Creek Road Decommission; project withdrawn - USDA FS
9/4/12		\$ 74,300.00		\$ 1,341,509.54	2010 Eagle Island Site A - Cowlitz Indian Tribe*
10/1/12		\$ 85,000.00		\$ 1,256,509.54	2011 Eagle Island Sites B & C - Cowlitz Indian Tribe
12/31/12			\$ 40,430.28	\$ 1,296,939.82	
4/16/13	\$ 13,795.79			\$ 1,310,735.61	2009 Spencer Peak Road Decommission funds not used - USDA FS
4/29/13		\$ 128,000.00		\$ 1,182,735.61	2012 Clearwater Creek Instream Habitat Restoration - USDA FS
4/29/13		\$ 50,000.00		\$ 1,132,735.61	2012 Lewis River Side Channel III Instream Habitat Restoration - USDA FS
4/30/13	\$ 397,908.89			\$ 1,530,644.50	
10/10/13		\$ 60,000.00		\$ 1,470,644.50	2013 LR Side Channel near Little Creek - USDA FS
10/9/13		\$ 69,000.00		\$ 1,401,644.50	2013 Little Creek Fish Habitat - USDA FS
10/10/13		\$ 12,931.00		\$ 1,388,713.50	2013 Cedar Creek Reach 1A - LCFEG
10/10/13		\$ 43,000.00		\$ 1,345,713.50	2013 Cedar Creek Reach 1A - LCFEG (add'l \$10K from LWD Fund)
12/20/13	\$ 14,764.67			\$ 1,360,478.17	2009 Plas Newydd RM 2.0 Off-Channel funds not used - Cowlitz Indian Tribe
12/31/13			\$ 46,575.51	\$ 1,407,053.68	
4/30/14	\$ 398,433.53			\$ 1,805,487.21	
7/25/14		\$ 84,000.00		\$ 1,721,487.21	2014 Alcove/Side Channel - USFS
12/31/14			\$ 54,024.39	\$ 1,775,511.60	
Total Spent to Date:				\$ 1,655,531.00	
Balance Remaining:				\$ 1,775,511.60	* Project close out complete

Note: In August 2009, the Bureau of Economic Analysis (BEA) restated the index numbers in Table 1.1.9 (Implicit Price Deflators for Gross Domestic Product). The index numbers are now based on 2005 = 100. This changes the beginning adjustment number for year 2000, quarter 3.

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

Funding Start Date: 4/30/05

Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/05	\$ 161,327.11			\$ 161,327.11	Contributions in 2004 dollars, adjusted for inflation
4/30/06	\$ 106,086.01			\$ 267,413.12	
11/30/06		\$ 37,889.08		\$ 229,524.04	Pine Creek Nutrient Enhancement - USDA FS*
12/31/06			\$ 19,176.61	\$ 248,700.65	
4/30/07	\$ 164,776.65	\$ 25,000.00		\$ 388,477.30	Pine Creek Instream & Floodplain Structures for Bull Trout and Steelhead - USDA FS (Project withdrawn)
7/31/07		\$ 20,000.00		\$ 368,477.30	Rush Creek Gravel Restoration - USDA FS (Project withdrawn)
8/21/07		\$ 43,150.00		\$ 325,327.30	2007 Pine Creek Nutrient Enhancement - USDA FS*
12/31/07			\$ 26,521.29	\$ 351,848.59	
4/30/08	\$ 112,861.86			\$ 464,710.45	
7/3/08		\$ 13,578.84		\$ 451,131.61	2008 Panamaker Crk. Rd Close & Culvert Removal - PacifiCorp*
12/31/08			\$ 21,406.20	\$ 472,537.81	
3/25/09	\$ 19,269.66			\$ 491,807.47	Return of funds: Rush Creek Gravel Restoration; project withdrawn - USDA FS
3/31/09	\$ 23,493.72			\$ 515,301.19	Return of funds: Pine Creek Instream & Floodplain Structures for Bull Trout and Steelhead - USDA FS
12/31/09			\$ 16,674.20	\$ 531,975.39	
12/31/10			\$ 17,549.06	\$ 549,524.45	
1/26/11		\$ 32,500.00		\$ 517,024.45	2010 Pine Creek Instream and Floodplain Structures for Bull Trout & Steelhead*
12/31/11			\$ 17,130.39	\$ 534,154.84	
12/31/12			\$ 17,620.96	\$ 551,775.80	
4/30/13	\$ 122,433.50			\$ 674,209.30	
9/1/13		\$ 3,164.00		\$ 671,045.30	2013 Survey of BT Stream Habitat (1/2 insurance expense) - MSHI
9/1/13		\$ 59,266.00		\$ 611,779.30	2013 Survey of BT Stream Habitat - MSHI
12/31/13			\$ 20,228.96	\$ 632,008.26	
				\$ 632,008.26	
12/31/14			\$ 20,848.98	\$ 652,857.24	
Total Spent to Date:				\$ 234,547.92	
Balance Remaining:				\$ 652,857.24	

Note: In August 2009, the Bureau of Economic Analysis (BEA) restated the index numbers in Table 1.1.9 (Implicit Price Deflators for Gross Domestic Product). The index numbers are now based on 2005 = 100. This changes the beginning adjustment number for year 2000, quarter 3.