

# NORTH UMPQUA HYDROELECTRIC PROJECT

FERC P-1927

Protection, Mitigation, and Enhancement Measures



2011 Annual Report

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## Executive Summary

PacifiCorp Energy (PacifiCorp) is implementing Protection, Mitigation, and Enhancement (PM&E) Measures on the North Umpqua Hydroelectric Project (Project) identified in the June 13, 2001 Settlement Agreement (Settlement Agreement, or SA) and the Federal Energy Regulation Commission (FERC) license (FERC P-1927) issued on November 18, 2003. The license was considered final on October 18, 2005, as defined in the Settlement Agreement. This milestone initiated full implementation of PM&E Measures identified in the Settlement Agreement. This annual report documents PacifiCorp's project and fiduciary activities from January to December 2011.

Representatives from the four federal and three state agencies that signed the Settlement Agreement, in addition to PacifiCorp, function as the Resource Coordination Committee (RCC), which facilitates implementation of the Settlement Agreement. During the reporting period, the RCC conducted nine regularly scheduled meetings that involved opportunities for public participation. As in past years, the RCC again sponsored an on-site public tour of ongoing implementation projects on October 19, 2011.

The PM&E Measures follow a schedule outlined in the Settlement Agreement. License PM&E Measures for this reporting year are those due between January and December 2011.

In 2011, key accomplishments included:

- Continuing construction of the Soda Springs fish passage facilities (SA Section 4.1.1, 4.1.2); significant progress was achieved in all aspects of this complex project, which will assure completion of the facilities in late 2012, consistent with revised schedule approved by FERC on September 1, 2011.
- Completing construction of the Slide Creek tailrace barrier (SA Section 4.1.1f); hydraulic and biological evaluations will be conducted to assure functionality when salmon and steelhead utilize habitat in the Slide Creek bypass reach upon completion of the fish passage project.
- Completing construction of a facility to reroute outflow from the Lemolo 2 powerhouse to Toketee Lake, thereby preventing fluctuations in the North Umpqua River that could impact aquatic resources (SA Section 5.4).
- Constructing aquatic site reconnections along the Lemolo No. 2 waterway to prevent interception of small tributary streams and seeps, and enhancing connectivity within the watershed near the hydro project (SA Section 10.6).
- Creation of a wetland near the Stinkhole pond, and determining the location of next wetland to be enhanced in future years (SA Section 11.5).
- Constructing a fishing pier at Toketee Lake (SA Section 17.8); this facility will provide angling opportunities in compliance with provisions of the Americans with Disabilities Act.

- Ongoing research at East Fork Rock Creek, part of a long-term study that will guide future use of funding to provide for aquatic resources in the Rock Creek basin (SA Section 19.1).
- Completing final evaluations to establish baseline conditions upstream and downstream of Soda Springs dam prior to reintroduction of anadromous fish in 2013 (SA Section 19.2).
- Completion of 5-year rolling action plans, as part of various Management Plans, that provide long-term guidance for cooperative management of multiple resources within the Project area (SA Section 21.1)

The RCC met in February to plan actions for the year, as specified in the Resource Coordination Plan. This forum is conducted annually to coordinate the Parties' collaborative efforts in meeting the intent of the Settlement Agreement. Regularly scheduled RCC meetings continue to oversee current and future PM&E Measures.

## SECTION 1.0 INTRODUCTION

Located on the west side of the Cascades mountain range in southern Oregon, the North Umpqua Hydroelectric Project consists of eight dams that have a combined capacity to generate 194 megawatts of power. The project was constructed between 1947 and 1956.

In the early 1990s, as the expiration of the first FERC license approached, PacifiCorp initiated the relicensing application preparation process with FERC. In June 2001, the relicensing process culminated in the development and signing of the North Umpqua Hydroelectric Project Settlement Agreement. The Settlement Agreement identifies annual reporting requirements that range from fiduciary reporting to narrative description of actions. This annual report represents a calendar year timeframe (January to December 2011) and contains the following reporting requirements:

- SA Section 7.2.3 (amended) Gravel Augmentation Program Funding and Accounting: Written annual report describing the amounts deposited and disbursed.
- SA Section 8.3.5 (amended) North Umpqua River Habitat Restoration/Creation Project Funding and Accounting: Written annual report describing the amounts deposited and disbursed.
- SA Section 19.1.1.3 Tributary Enhancement Program Funding and Accounting: Written annual report describing the amounts deposited and disbursed.
- SA Section 19.3.1 Mitigation Fund Annual Reporting: Written annual report describing the amounts deposited and disbursed.
- SA Section 21.4.2 Environmental Coordinator Reports: An annual report on the activities of the RCC and on the implementation of the PM&E Measures.

### 1.1 Background

On June 13, 2001, PacifiCorp filed a Settlement Agreement pursuant to FERC Rule 602, 18 Code of Federal Regulations §385.602, to resolve issues concerning the relicensing of the North Umpqua Hydroelectric Project (FERC P-1927). Parties to the Settlement Agreement include PacifiCorp, the USDA Forest Service (USDA-FS), the USDI Fish and Wildlife Service (USFWS), the USDI Bureau of Land Management (BLM), the National Marine Fisheries Service (NMFS), the Oregon Department of Environmental Quality (ODEQ), the Oregon Department of Fish and Wildlife (ODFW), and the Oregon Water Resources Department (OWRD), referred to collectively as the “Parties.” As required by statute, FERC conducted a National Environmental Policy Act (NEPA) process that concluded with a Final Environmental Impact Statement (FEIS) issued in March 2003.

Based on the findings of the FEIS, FERC developed articles for a new license for the North Umpqua Hydroelectric Project. FERC formally issued the new license on November 18, 2003, designating a term of 35 years.

Under the provisions of the Settlement Agreement, the license is not final until all administrative and judicial appeals are exhausted. The license was appealed to the Ninth U.S. Circuit Court of Appeals on May 21, 2004. On September 1, 2005, the Court ruled the case in favor of FERC, USDA-FS, and PacifiCorp. The license was therefore considered final on October 18, 2005.

Copies of the Settlement Agreement and the FERC license are available from FERC upon request or on the PacifiCorp Web site at: <http://www.pacificorp.com/es/hydro/hl/nur.html#>

## **1.2 Resource Coordination Committee**

SA Section 21 establishes a process to facilitate coordination and decision-making concerning implementation of Settlement Agreement measures. To accomplish this objective, SA Section 21.1 provides for the creation of the Resource Coordination Committee (RCC) consisting of representatives from the signing Parties. The purposes of the RCC, discussed in detail in SA Section 2.0, are to 1) facilitate coordination and consultation on plans developed by PacifiCorp for the implementation of PM&E Measures; 2) coordinate the implementation of PM&E Measures and ongoing monitoring requirements by PacifiCorp; 3) establish appropriate procedures for conducting activities; and 4) establish subcommittees to accomplish these objectives.

## **1.3 Report Organization and Review**

The 2011 North Umpqua Hydroelectric Project Annual Report provides the following information:

### **Section 1.0 Introduction**

### **Section 2.0 Resource Coordination Committee**

- Section 2.1 RCC Roles and Responsibilities
- Section 2.2 RCC Members
- Section 2.3 RCC Meetings

### **Section 3.0 Protection, Mitigation, and Enhancement Measures**

- Section 3.1 Implementation of PM&E Measures
- Section 3.2 FERC License Actions

### **Section 4.0 Fiduciary Reporting**

### **Section 5.0 Conclusion**

## **SECTION 2.0**

# **RESOURCE COORDINATION COMMITTEE**

This section provides an overview of RCC roles and responsibilities according to the Settlement Agreement and as subsequently implemented. It also presents a summary of RCC meetings held during the reporting period, including major discussion points, decisions, and action items associated with each meeting.

### **2.1 RCC Roles and Responsibilities**

The purpose and role of the RCC, as defined in SA Section 21.1, is to facilitate coordination and implementation of PM&E Measures. The RCC also looks at implementation requirements, and through collaboration and sharing of information, works to achieve desired results. Specifically excluded from RCC responsibility and authority is the administration of the Tributary Enhancement Program and Mitigation Fund set forth in SA Section 19. However, responsible Parties may consult with the RCC concerning measures conducted pursuant to this program and fund.

The structure and process of the RCC is intended to provide a forum to address time-sensitive matters, give early warning of problems, and coordinate member organization actions, schedules, and decisions to save time and expense. As described in the Settlement Agreement, the RCC must endeavor to conduct its business by consensus. However, in the event of disagreements, the Parties may refer disagreements to appropriate policy-level decision-makers. Decisions of the RCC may not usurp the authority of individual Parties or specific governmental agencies identified in the Settlement Agreement as having approval authority regarding specific PM&E Measures.

The RCC is responsible for the following measures pursuant to the Settlement Agreement:

- Facilitate coordination of the implementation of the Resource Coordination Plan (RCP), including ongoing operations and maintenance (SA Section 21.1).
- Coordinate the implementation of PM&E Measures and ongoing monitoring requirements by PacifiCorp (SA Section 21.1).
- Coordinate responses and evaluations specifically assigned to the RCC (SA Sections 8.2.2, 8.3.3, 12.2, 14.3.3, 14.5, 17.8, 19.2.1 and 22.5.2, and SA Amendment Section 7.2).
- Facilitate coordination and consultation on plans developed by PacifiCorp (SA Section 21.1).

- Review and comment on the draft annual report of RCC activities and implementation of PM&E Measures (SA Section 21.4.2).
- Serve as a common point of contact for public information regarding Settlement Agreement implementation.

The following measures are specifically excluded from RCC responsibility:

- Administration of the Tributary Enhancement Program through ODFW's Memorandum of Understanding (SA Section 19.1).
- Administration of the Mitigation Fund through USDA-FS (SA Section 19.3).
- Approval of plans and actions regarding specific PM&E Measures assigned to individual organizations for resource protection (SA Section 21.2).

The RCC defined discrete goals and functional responsibilities to enhance its effectiveness:

- Interpret the Settlement Agreement: Apply provisions to on-the-ground planning and implementation.
- Monitor implementation of the Settlement Agreement as a whole to provide a wider view than one agency's perspective.
- Avoid surprises and errors through effective communication.
- Track progress: Serve as the interface for the Parties as implementation takes place.
- Identify policy issues: As policy issues arise, work collectively to define and clarify the issues and options for transmittal to the executive members of the Parties.
- Provide public information: Serve as a point of information regarding Settlement Agreement implementation with a collective voice.
- Promote efficiency: Share information among organizations; communicate changes in policy, procedure, or regulation; consult before decision-making; and share technical resources.
- Implement the Settlement Agreement collaboratively to ensure that all Parties' interests continue to be valued throughout the new license term.
- Effectively communicate its progress through the development of a Web site at: <http://www.pacificorp.com/es/hydro/hl/nur.html#>

## 2.2 RCC Members

The Parties have each appointed a member and an alternate to the RCC. The members are shown in Table 2.2-1. The RCC members work with a designated caucus within their respective organizations.

**TABLE 2.2-1**  
**2011 Resource Coordination Committee Members**

RCC Member	Organization
Pam Sichting	USDA Forest Service, Umpqua National Forest, Roseburg, Oregon
Jim Thrailkill	USDI Fish and Wildlife Service, Roseburg, Oregon
Anne Shirley	USDI Bureau of Land Management - Roseburg District, Roseburg, Oregon
Ed Meyer	National Marine Fisheries Service, Portland, Oregon
Dave Harris	Oregon Department of Fish and Wildlife, Roseburg, Oregon
Chris Stine	Oregon Department of Environmental Quality, Eugene, Oregon
Craig Kohanek	Oregon Water Resources Department, Salem, Oregon
Monte Garrett	PacifiCorp Energy, Portland, Oregon

## 2.3 RCC Meetings

During the reporting period, the RCC conducted nine regularly scheduled meetings to finalize study plans, discuss implementation objectives for PM&E Measures, and facilitate the overall Settlement Agreement implementation. In addition to these regularly scheduled meetings, an annual work planning session was held in February to review past efforts, improve efficiency going forward, and review project work plans (including the SA 19.3 Mitigation Fund projects) for the coming year. The formal ground rules established and adopted by the RCC provide the functional framework for this collaborative approach. These ground rules are provided on the PacifiCorp Web site at: [http://www.pacificorp.com/content/dam/pacificorp/doc/Energy\\_Sources/Hydro/Hydro\\_Licensing/North\\_Umpqua\\_River/RCC\\_Ground\\_Rules.pdf](http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/North_Umpqua_River/RCC_Ground_Rules.pdf)

Meeting summaries are drafted for RCC meetings. The draft summaries are distributed to the RCC members for review and comment. At a subsequent meeting, after corrections have been made as appropriate and when work in progress is completed, the RCC approves the summaries by consensus. Meetings are open to the public for comment, and any comments received are added to the meeting summaries.

This section provides major items discussed at RCC meetings during the reporting period. Detailed meeting summaries are provided on the PacifiCorp Web site at: <http://www.pacificorp.com/es/hydro/hl/nur.html#>.

- After a seven-year design process, Weekly Bros. began construction of the Lemolo 2 reroute project in January. By November, the project was substantially complete.
- Slayden Construction began construction with two coffer dams for the Slide Creek tailrace barrier project in April. By November, the tailrace barrier project was substantially complete.
- Received FERC approval to proceed with the Soda Springs Fish Passage project Spillway #2 modifications, required for construction of the fish screen.
- The Settlement Agreement 10<sup>th</sup> Year Anniversary Event was held on June 24.
- Due to the high snowpack and cold weather causing an extended snowmelt, the RCC approved a change in the completion/functionality date for completion of the Soda Springs fish passage project to November 2012. The hydraulic and biological evaluation will be completed by the end of 2014, with the final report coming out in 2015. FERC approved these date changes.
- The RCC approved a modification to the current agreement for a minimum flow reduction (275 CFS to 100 CFS) for the Soda Springs bypass reach during construction, contingent upon plan for habitat maintenance and improvement.
- The contract for the ADA-Accessible Fishing Pier at Toketee Lake was awarded to JR Merit in July. It was constructed and completed by November.
- Significant progress was made in completing the Flume 12 Remediation Plan, including rebuilding the spillway and completing a site assessment in the North Umpqua River.
- Due to damage from a January storm, the Toketee stream gage needed to be relocated. The contract was awarded to Weekly Bros, Inc. in July, and the construction portion was complete by the end of October. The wiring work will be done in 2012 and then the gage will be brought online.

- The contract for the Stinkhole wetland project was awarded to Weekly Bros. Inc. in August and the project was substantially complete in November.
- The annual public tour was held on October 19.
- The annual planning meeting was scheduled to occur right after the January 2012 RCC meeting.
- A process was developed to address water quality at the Lemolo 1 forebay.

## **SECTION 3.0 PROTECTION, MITIGATION, AND ENHANCEMENT MEASURES**

This section presents 2011 progress of PM&E Measures defined in the North Umpqua Settlement Agreement and the FERC license. A summary of all documents submitted to FERC and their current status is also presented.

The Parties have agreed to modify the schedule of PM&E Measures, when necessary. In such instances, the Parties convene and modify Settlement Agreement implementation dates if all Parties are in agreement that such modifications are warranted. Delays in implementation are typically needed only to further refine plans for the action in order to ensure greater success.

### **3.1 Implementation of PM&E Measures**

The schedule for all PM&E Measures and their status is presented in Table 3.1-1. The status of the PM&E Measures specific to the timeframe of this report is presented in Table 3.1-2.

During the report period, Settlement Agreement and license actions focused on planning, monitoring, construction projects, and engineering designs. All Parties have worked cooperatively toward meeting Settlement Agreement schedule commitments.

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**TABLE 3.1-1  
Implementation Schedule and Status of PM&E Measures**

Key	
	Due Date
x	In Progress
●	Complete

SA Section	PM&E	YEAR														
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015+
<b>4.0 FISH PASSAGE MEASURES</b>																
4.1.1(a)	Soda Springs Fish Ladder Design						x	x	x	●						
4.1.1(d)	Soda Springs Fish Ladder O&M/ Evaluation Plan						x	x	x	●						
4.1.1(e)	Soda Springs Fish Ladder Construction										x	x				
4.1.1(f)	Soda Springs Tailrace Barrier Design/Construction					x	x	●								
4.1.1(f)	Slide Creek Tailrace Barrier Design									x	●					
4.1.1(f)	Slide Creek Tailrace Barrier Construction										x	●				
4.1.2(a)	Soda Springs Downstream Screen Design						x	x	x	●						
4.1.2(b)	Soda Springs Downstream Screen O&M/Evaluation Plan						x	x	x	●						
4.1.2(d)	Soda Springs Downstream Screen Construction										x	x				
4.1.2(f)	Soda Springs Downstream Passage Spillway Modifications Design						x	x	x	●						
4.1.2(f)	Soda Springs Downstream Passage Construction										x	x				
4.3.1(a)	Lemolo 2 Fishway Modifications Design				x	●										
4.3.1(a)	Lemolo 2 Fishway Modifications Construction					x	●									
4.3.1(c/d)	Lemolo 2 Fishway Modifications O&M/ Evaluation Plan				x	●										
4.3.1(d)	Lemolo 2 Post-construction Evaluation							x	●							
4.3.2(a)	Fish Creek Downstream Screen Design					x	x	●								
4.3.2(a)	Fish Creek Downstream Screen Construction							x	●							
4.3.3	Toketee Trashrack Modification								x	x	●					
<b>5.0 INSTREAM FLOWS</b>																
5.1	Soda Springs Table 1 Flows			●												
5.1	Implement Table 1 Flows					●										
5.1	Implement Table 2 Flows															
5.3	Reconsideration of Instream Flows					●										
5.4	Lemolo 2 Full Flow Reach											●				
5.5	Instream Flow Gage Installation		●													
5.5	Instream Flow Monitoring Plan		x	x	●											

**TABLE 3.1-1  
Implementation Schedule and Status of PM&E Measures**

Key	
	Due Date
x	In Progress
●	Complete

SA Section	PM&E	YEAR														
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 +
<b>4.0 FISH PASSAGE MEASURES</b>																
5.6	ODFW Holding Ponds Water Supply	●	●	●	●	●	●	●	●	●	●	●	●			
<b>6.0 RAMPING</b>																
6.1	Lemolo 2 Full Flow Reach Installation					x	x	x	x	x	x	●				
6.2.1	Slide Creek Ramping Monitoring Plan											●				
6.2.1	Slide Creek Ramping Monitoring Plan Implementation															
6.4	Wild & Scenic Ramping Restrictions	●	●	●	●	●	●	●	●	●	●	●				
6.5	Bypass Reach Ramping Restrictions	●	●	●	●	●	●	●	●	●	●	●				
6.6	Project Maintenance - Appendix D Schedule						●	●	●	●	●	●				
6.7	Emergency Shutdown Ramp Restrictions						●	●	●	●	●	●				
6.8	Soda Springs Emergency Bypass Valve				●											
6.9	Slide Creek Emergency Bypass Valve Evaluation and Implementation							x	x	x	●	●	●			
<b>7.0 RESTORATION OF FLUVIAL PROCESSES</b>																
7.1	Gravel Augmentation below Soda Springs Dam				●											
7.2	Gravel Augmentation Program	●	●	●	●	●	●	●	●	●	●	●				
7.3	Passage of Woody Debris	●	●	●	●	●	●	●	●	●	●	●				
7.4	Passage of Sediment (if high flows present)	●	●	●	●	●	●	●	●	●	●	●				
7.5	Reconnection of Clearwater River - Design					●										
<b>8.0 MAINSTEM HABITAT ENHANCEMENT</b>																
8.2.1	Slide Creek Implementation Plan	x	●													
8.2.2	Slide Creek Monitoring Plan		x	x	●											
8.2.3	Slide Creek Baseline Habitat Survey		●													
8.2.4	Slide Creek Test Boulder Placement		●	●	●	●										
8.3.1	Soda Springs Feasibility Assessment			●												
8.3.2	Soda Springs Implementation Plan			●												
8.3.3	Soda Springs Monitoring Plan			●												

**TABLE 3.1-1  
Implementation Schedule and Status of PM&E Measures**

Key	
	Due Date
x	In Progress
●	Complete

SA Section	PM&E	YEAR														
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 +
8.3.4	Soda Springs Baseline Habitat Survey and Monitoring Plan				●											
8.3.5	Soda Springs Funding and Accounting		●	●	●	●	●	●	●	●	●	●				
8.3.6	Soda Springs Completion				●											
<b>9.0 RESERVOIR AND FOREBAY MANAGEMENT</b>																
9.1	Stocking of Rainbow Trout Funding				●	●	●	●	●	●	●	●				
9.2	Rainbow Trout Broodstock Development				●											
9.3	Management of Lemolo Lake Reservoir	●	●	●	●	●	●	●	●	●	●	●				
9.3.3	Lemolo Reservoir Fluctuations (0.5 ft/day)				●	●	●	●	●	●	●	●				
9.5	Salvage of Fish During Shutdowns	●	●	●	●	●	●	●	●	●	●	●				
<b>10.0 AQUATIC RESOURCES</b>																
10.2	Stump Lake Connectivity Invertebrate Ladder						x	x	●							
10.3	Clearwater River Reconnection Design/Construction					x	●									
10.4	Diversion Structure Removal - Lemolo Named Creeks			●												
10.4	Potter Creek Diversion Removal					●										
10.4	Deer Creek Diversion Modification						●									
10.5	Riparian Restoration - White Mule Creek						x	●								
10.5	Riparian Restoration - Potter Creek		x	x	x	x	●									
10.6	Reconnecting Aquatic Connectivity Sites							x	x	x	x	x	x			
<b>11.0 TERRESTRIAL RESOURCES</b>																
11.1	Big Game Bridge Widening (29)				●											
11.2	Wildlife Crossings (39)						x	x	x	●						
11.3	Wildlife Monitoring Plan						x	●								
11.4	Wildlife Underpasses (9)						●									
11.5	Stump Lake Wetland						●									
11.5	Stinkhole Wetland										x	●				
11.5	Ranawapiti Pond Wetland										●					
11.5	Lemolo/Forebay Expansion Area								x	x	●					
11.5	Lemolo Lake Wetland							●								
11.5	Wetland Areas: #6, #7, & #8															

**TABLE 3.1-1  
Implementation Schedule and Status of PM&E Measures**

Key	
	Due Date
x	In Progress
●	Complete

SA Section	PM&E	YEAR														
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015+
<b>12.0 VEGETATION MANAGEMENT</b>																
12.1	Vegetation Management Plan Development and Implementation				●	●	●	●	●	●	●	●				
12.2	Noxious Weed Control	●	●	●	●	●	●	●	●	●	●	●				
<b>13.0 AVIAN PROTECTION</b>																
13.4	Records & Database Management System	●	●	●	●	●	●	●	●	●	●	●				
<b>14.0 EROSION &amp; SEDIMENT CONTROL</b>																
14.2	Canal Shutoff & Drainage System - Fish Creek						x	x	●							
14.2	Canal Shutoff & Drainage System - Clearwater 2							x	●							
14.2	Canal Shutoff & Drainage System - Lemolo 2								x	●						
14.4.2	High Priority Erosion Sites: Fish Creek				●											
14.4.2	High Priority Erosion Sites: Clearwater & Lemolo				x	x	x	x	x	x	●					
14.4.3	Medium Priority Erosion Sites (27)				x	x	x	x	x	x	x					
14.5	Erosion Monitoring	●	●	●	●	●	●	●	●	●	●	●				
14.7	Seismic & Geological Hazard Evaluation			●												
<b>15.0 TRANSPORTATION</b>																
15.1	Transportation Management Plan			●												
15.1	Transportation Management Plan Implementation			●	●	●	●	●	●	●	●	●				
15.2	PPL Roads to USDA-FS Standards	●	●	●	●	●	●	●	●	●	●	●				
15.3	Cost Sharing for Joint Roads and Maintenance					●	●	●	●	●	●	●				
15.4	Road Decommissioning		x	x	x	x	x	x	x	x	●					
15.5	Bridges - Inspections/Maintenance	●	●	●	●	●	●	●	●	●	●	●				
15.5.1	Bridge Maintenance Cost Sharing					●	●	●	●	●	●	●				
15.6	Fish Culvert Upgrades					x	x	x	x	x	x	●				
15.6	100-Year Flood Culvert Upgrades			x	x	x	x	x	x	x	x	x				
15.6	Culvert Maintenance on PPL Use Roads		●	●	●	●	●	●	●	●	●	●				
<b>16.0 AESTHETICS</b>																
16.1	Aesthetics Management Plan Implementation				●	●	●	●	●	●	●	●				
16.2	Landscaping Clearwater Shop						x	●								

**TABLE 3.1-1  
Implementation Schedule and Status of PM&E Measures**

Key	
	Due Date
x	In Progress
●	Complete

SA Section	PM&E	YEAR														
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 +
16.2	Landscaping Clearwater Switchyard						x	●								
16.4	Transmission Line Evaluation (Design)					●										
16.4	Transmission Line Mitigation (11 Sites)								x	●						
<b>17.0 RECREATION</b>																
17.2	Recreation O&M Funding				●	●	●	●	●	●	●	●				
17.7	Law Enforcement Funding				●	●	●	●	●	●	●	●				
17.8	Recreation - Deferred Capital Improvement Funding		●	●	●			●								
17.8	Recreation - Capital Improvements							●	●	●	●	●				
17.9	Public Information Funding				●	●	●	●	●	●	●	●				
17.10	Annual Monitoring Funding				●	●	●	●	●	●	●	●				
17.11	Recreation: NW Forest Plan Compliance Funding				●			●								
<b>18.0 CULTURAL</b>																
18.1	Historic Properties Management Plan			x	x	x	●									
18.1	Historic Properties Management Plan Implementation						●	●	●	●	●	●				
18.3/18.6	Site Discovery/Monitoring	●	●	●	●	●	●	●	●	●	●	●				
18.4	Protection, Restoration, and Recovery				●	●	●	●	●	●	●	●				
<b>19.0 MITIGATION</b>																
19.1.1	Tributary Enhancement Account (MOU) Funding				●	●	●	●	●	●	●	●	●			
19.1.1	Tributary Enhancement Account - Use of Funds					●	●	●	●	●	●	●				
19.2	Long-Term Monitoring/Predator Control Funding				●	●	●	●	●	●	●	●				
19.2.1	Long-Term Monitoring/Predator Control Disbursements				●	●	●	●	●	●	●	●				
19.3.3	Federal Mitigation Funding				●	●	●	●	●	●	●	●				
19.4.1	Monitoring and Oversight					●	●	●	●	●	●	●				
19.5	Early Implementation Funding		●	●	●	●										
19.5.2	Early Implementation Fund Annual Reporting		●	●	●	●										
<b>21.0 COORDINATION &amp; DECISION-MAKING</b>																
21.1	Resource Coordination Committee	●	●	●	●	●	●	●	●	●	●	●	●			
21.1	Resource Coordination Plan - Developed and Implemented					x	●	●	●	●	●	●				
21.4.2	Annual Report		●	●	●	●	●	●	●	●	●	●				
21.5	Site Specific Plan Development	●	●	●	●	●	●	●	●	●	●	●				

**TABLE 3.1-2  
2011 Status of PM&E Measures**

SA Section	PM&E	Due Date	Status
4.1	Fish Passage at Soda Springs Dam Design/Construct/ Evaluate/Operations and Maintenance	2009 – design and prepare plans  2012 – complete construction  2013 – complete evaluation	During 2011, spillway modifications were completed, as was the majority of the fish ladder and fish screen concrete work. Construction will continue through 2012, with facilities expected to be functional late in the year. Performance testing is scheduled for 2013.
4.1.1(f)	Slide Creek Tailrace Barrier & Bypass Design /Construct  Refer to SA Section 6.9 for Bypass project	2009 – conceptual design  2010 – complete design, plans, permits  2011 – complete construction  2012 – complete evaluation	The facility was constructed to substantial completion during 2011. Finish work and hydraulic balancing are planned for 2012.
5.1	Instream Flow Increases in Project Bypass Reaches	2005	In 2011, a thermal modeling exercise was initiated to reconsider future minimum flows in Fish Creek bypass reach.
5.4, 6.1	Lemolo 2 Full-Flow Reach	2011	Construction was completed in November 2011.
5.5	Instream Flow Monitoring	2002-2038	Monitoring and reporting continued as required in the Plan. Due to damage from a January storm, the Toketee stream gage was relocated in the bypass reach.

SA Section	PM&E	Due Date	Status
6.4	Wild and Scenic Ramping Restrictions	2001-2038	Ramping restrictions have been followed within equipment limitations per the Flow Monitoring Plan.
6.5, 6.6	Bypass Reach Ramping Restrictions	2001-2038	Ramping restrictions and reporting requirements have been followed per the Flow Monitoring Plan.
6.9	Slide Creek Powerhouse Emergency Ramping Evaluation	2006	Suggested modifications (per the 2006 evaluation) were completed, including channel contouring and the installation of an emergency flow bypass gate at the penstock forebay.
7.2	Gravel Augmentation Program (as per SA Amendment No. 1)	2002-2038	Monitoring continues on the results of the experimental gravel pulse built in 2004 and subsequent gravel dynamics. The technical working group (TWG) will use these findings to modify the implementation and monitoring plans for long-term use.
7.3	Passage of Woody Debris at Soda Springs and Slide Creek Dams	2002-2038	Passage of woody debris continued according to the plan.
8.2.1-8.2.2	Slide Creek Bypass Reach Habitat Project Implementation/ Monitoring	2002 - 2038	Monitoring continued according to the plan. The second and final year of monitoring is expected to be 2012.
8.3.2-8.3.3	North Umpqua River Habitat Restoration/ Creation Implementation/ Monitoring	2004-2038	Annual monitoring occurred according to the plan. The habitat continues to be used by substantial numbers of salmon and steelhead. An annual report was submitted to the RCC.
9.1	Funding for Production of Rainbow Trout for Stocking	2004-2038	PacifiCorp provided \$18,735.87 to the ODFW.

SA Section	PM&E	Due Date	Status
9.3	Lemolo Reservoir Management Plan and Limits on Drawdown Rate and Elevations	2001-2038	Water levels and drawdown rates were monitored according to the Flow Monitoring Plan. Lake management and consultation proceeded according to the Lemolo Reservoir Management Plan.
9.5	Salvage of Fish During Maintenance Shutdowns	2001-2038	Advance notice of maintenance shutdowns and the salvage and liberation of fish continued as required.
10.3	Reconnection of Clearwater River	2005	Facility evaluation by the ODFW is complete and PacifiCorp is awaiting receipt of a final report.
10.6	Aquatic Connectivity	Priority 1 sites – 2011 Priority 2 sites – 2016	In 2011, six aquatic connection sites and nine culvert modifications were constructed, completing the culvert modification sites. Through an iterative process, sites are being prioritized for construction, with the less complex sites being selected first to provide additional time for planning the more complex sites that require additional study, engineering, permitting, and construction time. A schedule of implementation has been developed with a completion date in 2016. Three sites planned for construction in 2012. Additional sites will be added as permitting and budget allow. For 2012, the first of the complicated site construction will commence. In 2013 and beyond through to completion, complicated and outage required sites will be constructed. Plans and specifications have been completed for all planned sites.
11.2	Wildlife Crossings	2009	Sixty eight wildlife crossings were constructed across project waterways. Use monitoring, which began in 2009, concluded in 2011, and a monitoring report was provided to the ODFW, USFWS, and FERC.

SA Section	PM&E	Due Date	Status
11.5	Wetland Development	2006-2016	Construction of the Stinkhole wetland enhancement was completed in 2011. The Fire Swamp site was selected for construction in 2014. The two remaining wetland sites for construction in 2015 and 2016 will be identified in 2012 in consultation with the ODFW and USFWS.
12.1	Vegetation Management Plan Implementation	2004-2038	The Vegetation Management Plan (VMP) is being implemented. Noxious weed treatments are being conducted on both BLM and USDA-FS lands on an annual basis. The noxious weed training program was developed and implemented and will continue on an annual basis per the VMP. The horticultural invasive species program was also developed and implemented and will continue as necessary to satisfy VMP requirements. The 2011 5-year rolling action plan was presented to both the USDA-FS and the BLM in December.
13.1	Power Pole Modification	2001-2038	No power pole modifications were needed this year.
13.4	Records Database Management System	2001-2038	PacifiCorp continues to maintain a database for management of birds on power lines. An annual report summarizing avian-powerline program activities occurring within the Project area was submitted to the USDA-FS in January.
14.5	Erosion Control Monitoring	2001-2038	Erosion sites were monitored and an annual report was produced and distributed to the agencies in December.
14.2	Canal Shutoff and Drainage Systems	2007-2010	Both Clearwater 2 and Lemolo 2 systems have been completed. Fish Creek, constructed in 2008, continues to receive improvements

SA Section	PM&E	Due Date	Status
			to its communication system. Further upgrades and testing occurred in 2009-2011, with more planned for 2012.
14.4	Erosion Site Remediation	2016	Erosion site remediation was conducted at Flume 12 of the Lemolo 2 waterway, due to a canal overtopping that occurred in July. Site FC-13 was added due to erosion created by discharge water from the culvert coming off Hwy 138 and eroding the hillside down slope of the culvert. The CW2-14 culvert was identified as needing cleaning. These two projects are scheduled for completion in 2012.
15.1 – 15.4	Transportation Management Plan Implementation	2004-2038	The Transportation Management Plan continues to undergo implementation. Culvert inspections and maintenance are being performed annually. The 5-year RAP was developed in consultation with the USDA-FS and the BLM. The 2011 road maintenance cost share amount was \$200,783; of which PacifiCorp's share was \$35,014.
15.5, 15.5.1	Bridge Inspections, Maintenance; and Cost Sharing	Biennial - Inspections  2005 – Critical Bridge Maintenance  2015 – Non-critical Bridge Maintenance  2005-2038 – Cost Sharing	Bridge inspections have been conducted on PacifiCorp-exclusive and jointly maintained roads every two years since 2003. All critical bridge maintenance has been completed. Major progress has been made toward completion of non-critical bridge maintenance and deferred maintenance tasks by 2015. All 2011 bridge inspections were completed. The Deer Creek bridge (U-15) is scheduled for structural modifications in 2012, to bring the bridge back up to the original load ratings.
15.6	Fish Passage and Q100 Culvert Upgrades	2005-2010	All fish passage projects on PacifiCorp-exclusive roads have been completed. The last remaining Q100 culvert upgrade on

SA Section	PM&E	Due Date	Status
			PacifiCorp-exclusive roads (culvert no. 1035) has been postponed to coincide with related aquatic connectivity projects. PacifiCorp continues to fund the USDA-FS culvert upgrades on jointly maintained roads.
16.1, 16.3, 16.4	Visual Resources (Aesthetics) Management Plan	2005-2038	The Visual Resources (Aesthetics) Management Plan is final and undergoing implementation. The 5-year rolling action plan (RAP) is developed annually in December.
17.1	Recreation Resources Management Plan Implementation	2004-2038	The Recreation Resources Management Plan is final and implementation occurs through the 5-year RAP process. The RAP is updated annually, approved by the USDA-FS and identified actions are then completed. Detailed descriptions of planned and completed actions are presented in the RAP attachments.
17.2	Campground Operations and Maintenance	2004-2038	PacifiCorp provided \$105,760 to the USDA-FS. These funds are to be used for the operation and maintenance expenses for campground facilities on or near PacifiCorp project waters.
17.7	Law Enforcement	2004-2038	PacifiCorp provided \$9,992 to the USDA-FS for land-based law enforcement support at recreation facilities in the FERC project boundary.
17.8	Capital Improvements	2002-2015; future years will be monitoring-dependent	<p>PacifiCorp provided \$9,992 to the USDA-FS. These funds were used for recreation facility capital improvement projects.</p> <p>The ADA-accessible Toketee Fishing Pier was constructed in 2011, pursuant to plans developed by the USDA-FS.</p>

SA Section	PM&E	Due Date	Status
17.9	Public Information	2004-2038	PacifiCorp provided \$8,955 to the USDA-FS.
17.10	Recreation Monitoring  Recreation Monitoring (Periodic Surveys)	2004-2038  2007, 2012, 2017, 2022, 2027, and 2032	PacifiCorp provided \$8,955 to the USDA-FS.
18.1	Cultural Resources (Historic Properties) Management Plan Implementation	2006-2038	The Historic Properties Management Plan and Historic Structures Plan are both finalized and undergoing implementation. The RAP is updated annually in consultation with the USDA-FS, the BLM, and the SHPO. Detailed descriptions of planned and completed actions are presented in the RAP attachments.
18.6	Cultural Resources Monitoring	2001-2038	PacifiCorp will continue to coordinate ground-disturbing activities with the USDA-FS, the BLM, and the SHPO to assure ongoing monitoring and protection of historic properties.
19.1.1	Tributary Enhancement Account	2004-2011	PacifiCorp deposited \$537,094.92 into this account for future work associated with the ODFW Memorandum of Understanding. It funded work on fish habitat enhancements and fish passage improvements.
19.2	Long-Term Monitoring and Predator Control	2004-2038	PacifiCorp deposited no funds this year, as 100% of the 2011 amount was previously advanced - 50% in 2009; and 50% in 2010. Deposits will resume in 2012. Long-term monitoring and predator study work proceeded according to the study plan.
19.3	Mitigation Fund	2004-2038	PacifiCorp deposited \$1,561,322.45 into the USDA-FS account.

SA Section	PM&E	Due Date	Status
19.4	Oversight Costs	2005-2020	PacifiCorp provided \$202,347.39 to the ODFW for the funding of two full-time ODFW personnel to help oversee and monitor work associated with the ODFW MOU.
21.4.1	RCC	2001-2038	The RCC continued to facilitate the implementation of PM&Es. It held an annual planning session, one public tour, and routine monthly meetings. Technical working groups also met, as necessary, to address detailed consultation issues.

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### 3.1.1 Major Accomplishments

During the reporting period, PacifiCorp continued progress on implementing PM&E Measures in compliance with the Settlement Agreement. Major accomplishments are described below by Settlement Agreement section.

#### Slide Creek Tailrace Barrier (SA Section 4.1.1f)

Administratively, PacifiCorp started the year with an RCC-approved design. By April, the selected contractor mobilized and began installation of the cofferdam by May 1 when the Slide Creek overhaul commenced. Extended high snowpack and high runoff plagued any progress for nearly two months. Dewatering the coffered site remained a challenge until all the foundation work was accomplished. Work on the tailrace barrier from October to the end of year went into double shifts to meet the completion requirement of mid-December and cofferdam removal by the end of the year.



#### Fish Passage at Soda Springs Dam (SA Section 4.1)



*Existing Dam and Fish Ladder Facility*

Primary work completed included ground preparation within the river channel, coffer damming of winter work areas, and foundations for the fish evaluation building, fish ladder(s) and the fish screen. Start-up and testing will occur in 2012, as will substantial project completion.



*Fish Ladder Entrance Looking Downstream*



*Fish Screen Column Construction at Fish Ladder Facility*

### Lemolo 2 Full-Flow Reach (SA Section 6.1)

Construction, completed this year, included a new pipe transition structure, 3,100 lineal feet of reinforced concrete pipe, and a pipe outlet structure. The Lemolo 2 plant now discharges directly into Toketee Lake. USDA-FS crews commenced tree planting along the pipe right-of-way. Additional planting is scheduled to occur in 2012 to complete the final touches to this new facility.



*Inlet Structure*



*Outlet Structure*

Anadromous Fish Habitat Enhancement (SA Sections 7.2-8.3)

Monitoring continued to document the characteristics and use by anadromous salmonids of the habitats created and maintained by the Gravel Augmentation program and the two Habitat Enhancement programs. Part of the habitat enhancement in Soda Springs bypass reach was temporarily sacrificed to create construction access for building the Soda Springs fish passage facilities, but was rebuilt at the end of the year.



The rebuild involved installing two large, new log weirs in the tailout of the upper pool to hold spawning gravel.



Because these weirs also control the water level of the fish ladder entrance pool, they were surveyed for precision, and thoroughly bedded in concrete for durability. ODFW participated in the design and siting of the weirs. This reconstruction was funded by the fish passage project so did not use any of the dedicated RCC fish habitat funding.



Reconnecting Aquatic Sites (SA Section 10.6-10.7)

A combination of original and alternative aquatic reconnection sites have been selected for completion over an 11-year period of the new license. Past efforts have been coordinated to also provide crossings over waterways for big game and other small wildlife. These combination bridges provide both terrestrial and aquatic connectivity. In 2011, six aquatic connection sites and nine culvert modifications were constructed, completing the culvert modification sites.

Enhancement of Wetland Species Diversity (SA Section 11.5)

Construction of the Stinkhole Wetland Enhancement Project was completed. Planting of the site was initiated late in the year and will be completed in 2012. The Fire Swamp site, approximately 3.25 miles northwest of Lemolo 2 forebay, was selected as the sixth wetland enhancement project site.

#### Vegetation Management Plan (SA Section 12.1)

Progress continues on implementation of the Vegetation Management Plan (VMP). Noxious weed treatments are being conducted on both BLM and USDA-FS lands on an annual basis. The noxious weed training program was implemented and will continue on an annual basis per the VMP. The horticultural invasive species program was implemented and will continue as necessary to satisfy VMP requirements. The 2011 VMP 5-year rolling action plan was presented to both the USDA-FS and the BLM in December.

#### Flume 12 Remediation (SA 14.3)

Facility stabilization, erosion control, and consultation were initiated upon discovery of the Flume 12 event. In October, metal debris was removed from the river and aerial photos were made for reconnaissance. The facility and erosion control work were completed by November. Also in November, aquatic habitat was measured and assessed relative to past conditions and to support future monitoring.

#### Erosion-Site Remediation (SA Section 14.4)

Remediation of erosion sites continues to progress in advance of the schedule set forth in the Settlement Agreement. Work has been completed at 70 total sites, of which 51 have been remediated, 7 require remediation, and 19 require annual monitoring. Three sites (LM2-9, LM2-15, and LM2-29) were remediated this year, of which LM2-15 involved a complete reconstruction. This work included a new culvert/flume section, large rip-rap, a buttress wall and the rip-rap slope was reinforced with grout. This site will remain on the annual monitoring list. Erosion site inspections continue to be conducted annually.

#### Transportation Management Plan (SA Section 15.1)

Progress continues on the implementation of the Transportation Management Plan. The USDA-FS and PacifiCorp continued to jointly share the costs associated with road and bridge maintenance. Bridge maintenance and culvert replacements were completed this year as scheduled.

#### ADA Accessible Fishing Pier (SA Section 17.8)

The USDA-FS selected the ADA-accessible Toketee fishing pier as a recreation project to be constructed this year pursuant to the Recreation Resources Management Plan and SA Section 17.8. The USDA-FS selected a site on the northwest bank of Toketee reservoir

approximately 400 feet northeast of Toketee dam. The USDA-FS developed project designs, and PacifiCorp administered the construction contract. The structure was completed in November.



#### Tributary Enhancement Program (SA Section 19.1)

Habitat enhancements continued this year, including log and boulder placements, side channel improvements, and a log-seeding experiment. About 400 more large logs were procured for future enhancement projects. Monitoring continued to help document baseline conditions and enhancement benefits. Conservation easements continued to be explored. Construction on Rock Creek fish ladder continued, and is expected to be complete in 2012.



#### Long-Term Monitoring and Predator Control Study Program (SA 19.2)

This year, an interim year, there was no field work planned or completed. The previous years of baseline data are being synthesized into a “baseline conditions” report to help guide post-passage monitoring.

Mitigation Fund (SA 19.3)

Since 2004, PacifiCorp has been making annual payments into a Mitigation Fund, to be used on federal lands throughout the North Umpqua River basin. A USDA-FS Mitigation Fund Board of Directors (BOD) annually evaluates proposals and selects mitigation projects to be implemented with this funding. Project rankings are completed by the USDA-FS hydropower project review group and final recommendations are made by the BOD. The Forest Supervisor of the Umpqua National Forest makes the final decision on project selections.

**3.1.2 Plans and Reports**

The following plans and reports were completed and/or revised:

Plan/Report	SA Section and/or License Article	Date
Soda Springs Spawning Habitat Annual Report	SA 8.3	January 2011
Annual Avian Protection Report	SA 13.4	January 2011
Annual Threatened and Endangered Species and Bald Eagle Monitoring Report	License Articles 411 & 412	February 2011
Lemolo Reservoir Management Report	SA 9.0	April 2011
Erosion Control Plan Annual Report	SA 14.5	November 2011
Wildlife Bridges Monitoring Report	SA 11.3 / License Articles 401 & 402	December 2011
Historic Properties Annual Report	License Article 414	December 2011

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### 3.2 FERC License Actions

The FERC license contains actions that are required in addition to those actions in the Settlement Agreement. Table 3.2-1 summarizes the FERC License requirements that were fulfilled during this reporting period.

**Table 3.2-1  
FERC License Actions Status**

Date Filed	License Article	Settlement Agreement Section	Description	Status/ Comments
6/17/10	401	21.4.2	2009 Resource Coordination Committee Annual Report	Acknowledged 1/18/11
9/20/10; 9/30/10; 12/17/10	301	5.4 and 6.1	Lemolo 2 Reroute to Toketee: Specifications and Drawings; QCIP; TCEAP	Approved 1/26/11
11/30/10	401	6.2.1	Slide Creek Full-Flow Reach Monitoring Plan	Approved 2/7/11
12/9/10	301	4.1.1(f)	Slide Creek Tailrace Barrier: Final Plans and Specifications, QCIP, Cofferdam Specifications (including TCEAP and Conceptual Design Drawings), Design Reports and Geotechnical Engineering Report	Approved 1/26/11
12/10/10	414	18.1 & 18.2	2010 Historic Properties Annual Report/Action Plan	Acknowledged 3/22/11
8/10/10  11/30/10  4/14/11  6/16/11  7/6/11	301 & 304, & 305	4.1.1 & 4.1.2	Soda Springs Fish Passage: <ul style="list-style-type: none"> <li>• Upstream cofferdam, fish ladder entrance, &amp; K2 area</li> <li>• Fish passage design changes for fish screen foundation and penstock connection</li> <li>• Demolition and Removal of Spillway Gate 2 and ogee concrete</li> <li>• Revised plan and schedule for construction-related activities and revised TCEAP</li> <li>• Right abutment wing wall extension and scour protection drawings/design</li> </ul>	Approved 1/26/11  Approved 2/9/11  Approved 5/18/11  Accepted 9/9/11  Acknowledged and design accepted 7/18/11
2/11/11	411	USDA-FS 4(3) Cond. 16	2010 Threatened and Endangered Species and Bald Eagle Monitoring Report	Acknowledged 3/4/11
5/31/11	Appendix B	USDA-FS 4(e) Cond. 17	Request for Extension of Time to file Survey and Manage Species Plan (to 6/30/12)	<i>Awaiting FERC response</i>

<b>Date Filed</b>	<b>License Article</b>	<b>Settlement Agreement Section</b>	<b>Description</b>	<b>Status/ Comments</b>
6/3/11	401	4.1.1 & 4.1.2	Request for Revised Schedule for Construction and Evaluation of Fish Passage at Soda Springs Dam	Approved 9/1/11
6/30/11	401	21.4.2	2010 Resource Coordination Committee Annual Report	Acknowledged 06/30/11
12/14/11	414	18.1 & 18.2	2011 Historic Properties Annual Report/Action Plan	Acknowledged 12/14/11
12/21/11	401 & 402	11.3	Terrestrial Connectivity Plan Wildlife Bridges Monitoring Report	Acknowledged 12/21/11

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## SECTION 4.0 FIDUCIARY REPORTING

Consistent with Settlement Agreement fiduciary reporting requirements, this section provides account information for the following actions and fulfills the requirement to annually report the amounts deposited into and disbursed from each account:

- SA Section 7.2.3 (amended) Gravel Augmentation Program
- SA Section 8.3.5 (amended) North Umpqua River Habitat Restoration/Creation Project
- SA Section 19.1.1.3 Tributary Enhancement Program
- SA Section 19.3.1 Mitigation Fund

The Settlement Agreement does not require annual reporting for SA Section 19.2 Long-Term Monitoring and Predator Control Fund. Since this was likely an oversight, the account information for this fund is also provided in this section.

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## Fiduciary Reporting

### SA Section 7.2 Gravel Augmentation Program

Date	Item	Expenditures	Funding	Balance
<b>2011</b>	<b>Opening Balance</b>			<b>\$36,152.30</b>
2011	Annual Escalation (as per SA 22.4.4)		\$426.58	\$36,578.88
2011	Expenditures	\$0.00		
2011	<b>Total Expenditures</b>	<b>\$0.00</b>		\$0.00
<b>2011</b>	<b>Ending Balance</b>			<b>\$36,578.88</b>

## Fiduciary Reporting

### SA Section 8.3 North Umpqua River Habitat Restoration/Creation Project

<b>Date</b>	<b>Item</b>	<b>Expenditures</b>	<b>Funding</b>	<b>Balance</b>
<b>2011</b>	<b>Opening Balance</b>			<b>\$220,854.20</b>
2011	Annual Escalation (as per SA 22.4.4)		\$2,605.98	\$223,460.18
2011	Expenditures	\$0.00		
2011	<b>Total Expenditures</b>	<b>\$0.00</b>		\$0.00
<b>2011</b>	<b>Ending Balance</b>			<b>\$223,460.18</b>

## Fiduciary Reporting

### SA Section 19.1 Tributary Enhancement Program Fund

Date	Item	Expenditures	Funding	Balance
<b>2011</b>	<b>Opening Balance</b>			<b>\$1,605,219.34</b>
2011	Annual Funding (\$430K escalated)		\$ 537,094.92	\$2,142,314.26
2011	Expenditures			
	<b>Juniper Properties</b>			
	Logs	(\$51,069.82)		
	<b>Knife River Materials</b>			
	Boulders/delivery	(\$19,452.07)		
	<b>Pan-Pacific Forestry</b>			
	Logs	(\$119,383.43)		
	<b>Plikat Logging</b>			
	Log skidding and hauling	(\$6,103.50)		
	<b>Kevin Saylor</b>			
	Root wads/large wood placement	(\$7,385.00)		
	<b>Willard Marshall Trucking</b>			
	Log hauling	(\$31,450.00)		
	<b>Total Expenditures</b>	<b>(\$234,843.82)</b>		\$1,907,470.44
2011	Interest Earned		\$146.14	\$1,907,616.58
2011	<b>Ending Balance</b>			<b>\$1,951,359.83</b>

*\* The ending balance has been adjusted to credit previously reported fund bank fees, and is consistent with the ODFW/PacifiCorp Master Tracking Sheet.*

## Fiduciary Reporting

### SA Section 19.2 Long Term Monitoring/Predator Control Fund

Date	Item	Expenditures	Funding	Balance
<b>2011</b>	<b>Opening Balance</b>			<b>\$74,408.27</b>
2011	Annual Funding (\$100K escalated) *		\$0	\$74,408.27
2011	Expenditures			
	<b>Miscellaneous</b>			
	Boat repair; meeting expense	(\$2,150.95)		
	<b>Stillwater Sciences</b>			
	Predator study database revisions	(\$36,527.80)		
2011	<b>Total Expenditures</b>	<b>(\$38,678.75)</b>		\$35,729.52
2011	Interest earned		\$5.02	\$35,734.54
<b>2011</b>	<b>Ending Balance</b>			<b>\$35,734.54</b>

\* Note: No annual payment was made this year, as 50% was paid in each of 2009 & 2010.

**Fiduciary Reporting**  
**SA Section 19.3 Mitigation Fund**

Date	Item	Expenditures	Funding	Balance
<b>2011</b>	<b>Opening Balance</b>			<b>\$1,073,690.57</b>
2011	Annual Funding (\$1,250,000 escalated)		\$1,561,322.45	\$2,635,013.02
2011	Expenditures			
	<b>Mitigation Projects</b>			
	Knapp Weed – Cinquefoil Control			
	White Mule Creek Culvert No. 2200			
	Invasive Species Monitoring, Education and Stewardship			
	Rock Creek Instream Restoration			
	Thorn Prairie Shrubland Restoration and Regeneration			
	Forage Enhancements – FY11			
	Riparian and Wetland Restoration – Species Surveys and Propagation			
	2011 Lemolo Blue Green Algae – Public Health and Water Quality			
	Oak Flats Meadow Restoration and Big Game Enhancement – Phase 1 NEPA			
	Upper North Umpqua River Anadromous Fish Spawning Habitation Restoration 2			
	Restoring Anadromy: ID Historical and Potential Fish Passage			
2011	<b>Total Expenditures</b>	<b>(\$273,000.00)</b>		\$2,362,013.02
2011	Interest Earned		\$2,364.72	\$2,364,377.74
<b>2011</b>	<b>Ending Balance</b>			<b>\$2,364,377.74</b>

## **SECTION 5.0 CONCLUSION**

The 2011 Annual Report underscores a productive year made possible through the dedication of Parties to the Settlement Agreement and their respective staff, PacifiCorp's implementation team members, and the public. This collaborative approach provided an effective framework for realizing benefits of the Settlement Agreement in a highly valued watershed.

The RCC ground rules and protocols for interagency teamwork and communication have provided an effective framework for watershed management consistent with the goals of the Settlement Agreement. Parties worked cooperatively toward meeting Settlement Agreement commitments during the report period and projects were completed on schedule. Significant progress was made on the Soda Springs fish passage project, and project completion is expected on schedule by the end of 2012.

Major accomplishments during the reporting period included 1) progress in construction of the Soda Springs fish passage project, with significant work completed on the fish ladder and screen structures, fish return pipe, fish evaluation building, and habitat restoration in the work area; 2) completion of construction for the Slide Creek tailrace barrier; 3) completion of construction of the Lemolo 2 Reroute project; 4) development of a new wetland site; and 5) completing annual Rolling Action Plans and associated tasks for ongoing programs to manage vegetation, erosion, transportation, aesthetics, recreation, and cultural resources in the North Umpqua Project area.

We have high expectations for 2012, with completion of construction of the fish passage facilities at Soda Springs. The facilities are expected to be watered up before the year's end, and hydraulic and biological testing will be conducted over the next two years. In addition, with the completion of both tailrace barriers and habitat creation efforts from past years in the Slide Creek and Soda Springs bypass reaches, the hydropower project is well positioned for the reintroduction of anadromous fish into historic habitat. Other projects scheduled for 2012 include construction of aquatic site reconnections, planning for creation of a wetland near the Lemolo 2 forebay, and additional recreation enhancements. As in past years, long-term monitoring and off-site mitigation will continue in the North Umpqua basin as part of the implementation program.