



March 2015  
Rocky Reach Hydroelectric Project  
FERC No. 2145

**Annual Policy Committee  
License Update**

2014 **Progress** Report  
2015 **Implementation** Work Plan

*Reports provided by Chelan PUD Forum Leads:*  
*Ray Heit (Recreation Forum)*  
*Steve Hemstrom (Fish Forum)*  
*Von Pope (Wildlife Forum)*  
*Jennifer Burns (Cultural Forum)*  
*Marcie Steinmetz (Water Quality and Operations)*

# 2014 Completed Activities

Rocky Reach Hydroelectric Project 2014 License Activities	
Forum	Activity
<b>Rocky Reach Recreation Forum</b>	<ul style="list-style-type: none"> <li>⊗ Entiat Park and Entiatqua Trail: major construction complete, grand opening ceremony set for May 16, 2015, park opening May 22nd</li> <li>⊗ Lincoln Rock State Park Cabin Loop &amp; Group Camp: construction began Feb. 23, completion by December 2015</li> <li>⊗ Lincoln Rock and Daroga State Parks: Pile and Float replacement projects complete December 2014</li> <li>⊗ Lincoln Rock State Park Swim Beach Improvements: Final design &amp; permitting in progress, construction Fall 2015</li> </ul>
<b>Rocky Reach Fish Forum</b>	<ul style="list-style-type: none"> <li>⊗ Monitoring of 340 tagged adult lamprey to evaluate benefit of fishway improvements to aid adult Pacific lamprey passage.</li> <li>⊗ Chelan PUD tagged 186 adult lamprey at RRH, additional fish tagged downstream; largest study anywhere on Columbia R.</li> <li>⊗ Initial Lamprey passage data indicates an improvement in net ladder passage efficiency from 47% (2004) to 70+% (2014)</li> <li>⊗ Turbine Intake screens in Units 1 &amp; 2 not monitored for juvenile lamprey in 2014 per the RRF decision of bi-annual in 2013</li> <li>⊗ Discussion with RRF for possible alternative approaches to achieve NNI for Pacific Lamprey, juvenile studies not feasible</li> <li>⊗ 2014 white sturgeon release number 5,000 fish per RRF agreement, to compensate for reduced half-sibling adult crosses</li> <li>⊗ Resident fish monitoring completed 2013; RRF set timeline for next resident fish studies – 2023</li> </ul>
<b>Rocky Reach Wildlife Forum</b>	<ul style="list-style-type: none"> <li>⊗ 5 -year Summary and new 5-year Wildlife Plan due to FERC every 5 years. Current Wildlife Plan expires in September of 2015.</li> <li>⊗ RRF began working on draft 5-year Summary (2010 -2014) and new 5-year draft Plan (2016-2020) in October, 2014.</li> <li>⊗ All wildlife and habitat monitoring and weed management completed as direct by FERC &amp; RRF in 2014.</li> </ul>

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# 2014 Completed Activities (cont.)

## Rocky Reach Hydroelectric Project 2014 License Activities

Forum	Activity
<b>Rocky Reach Cultural Forum</b>	<ul style="list-style-type: none"> <li>Ⓢ Completed archeological monitoring of 14 sites within the Rocky Reach Hydroelectric Project</li> <li>Ⓢ Utilized the Intertribal Longhouse exhibit for the River Ramble at Rocky Reach Dam</li> <li>Ⓢ Completed and filed Rocky Reach HPMP with FERC on June 30, 2014 and received FERC approval on December 10, 2014</li> <li>Ⓢ Conducted field reconnaissance and literature review for Lincoln Rock State Park Swim Beach Improvement, Wenatchee Riverfront Boat Launch and Walla Wall Point Park</li> </ul>
<b>401 Water Quality</b>	<ul style="list-style-type: none"> <li>Ⓢ Submitted Gas Abatement Plan to Ecology on April 16, 2014</li> <li>Ⓢ Submitted Gas Abatement (TDG) Annual Report to Ecology on December 31, 2014</li> <li>Ⓢ Continuing to collect annual TDG and temperature data in forebay and tailrace</li> <li>Ⓢ Submitted Draft TDG Year 5 Compliance report, including TDG Spillway Operations Alternatives to Ecology and the RRF on October 31, 2014 and to the HCP CC on November 25, 2014 (awaiting next steps coordination with Ecology)</li> <li>Ⓢ Submitted Aquatic Invasive Species Report to Ecology (Draft for review February 19, 2014) and filed the final with FERC on March 28, 2014</li> </ul>
<b>Project Operations</b>	<ul style="list-style-type: none"> <li>Ⓢ Submitted Operations Plan (included Fish Spill Plan dated February 2014) to FERC March 31, 2014</li> </ul>

# 2015 Recreation

## Rocky Reach Recreation Forum – 2015 Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
Entiat Park Renovation	Bid & construct	2010-16	None	Forum email updates, individual meetings as needed	Substantial completion May 2015. Final completion May of 2016.
Daroga State Park Enhancements	Design, bid & construct	2011-16	None	Forum email updates, individual meetings as needed	Group Camp bath house and RV hook ups in final design.
Lincoln Rock State Park Enhancements	Design, bid & construct	2010-16	None	Forum email updates, individual meetings as needed	Cabin Loop & Group Camp under construction, swim beach in permitting.
Rocky Reach Trail	Bid & construct	2013	None	Forum email updates, individual meetings as needed	Trail segment through District lands complete.
Entiatqua Trail	Permits	2010 - 16	None	Forum email updates, individual meetings as needed	Substantial completion and open to public May 2015. Final completion May of 2016.

# 2015 White Sturgeon

## Rocky Reach Fish Forum – White Sturgeon 2015 Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>White Sturgeon Supplementation</b>	<p>Per RRFF agreement, release 6,500 juvenile white sturgeon in 2015.</p> <p>Fourth year of tagged fish monitoring in 2015.</p> <p>Review of WS population models to determine if applicable to determine reservoir carrying capacity.</p> <p>RRFF Discussion of effects of WS supplementation levels (6,500 juveniles annually) on Pacific Lamprey populations and conflict with achievement of Pacific Lamprey populations and Management Plan goals for Rocky Reach.</p>	2015	Population Monitoring and 2015 SOA decision on stocking levels for 2016.	Monthly White Sturgeon Subcommittee technical meetings and Fish Forum meetings for updates and approvals.	<p>Release 6,500 juveniles late April - early May 2015.</p> <p>Adult brood collection and or larval collection for culture and release of 0 to 6,500 sturgeon in 2016, based on mark-recapture monitoring and half-sibling adult crosses.</p> <p>Continue stocking for supplementation from brood or larval collection. Develop long-term Monitoring Plan to guide supplementation levels.</p>



# 2015 Bull Trout

## Rocky Reach Fish Forum – Bull Trout 2015 Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>Annual Report to USFWS</b>	Annual Bull Trout Monitoring and Incidental Take Report	April 15, 2015	None in 2015	USFWS meetings, conference calls, and Incidental Take 48-hour reporting. Monthly Forum Meetings for updates	Continue annual reports. 10-year radio-telemetry study to confirm incidental take remains at or below permitted levels – 2018 next check-in study bull trout passage study

# 2015 Pacific Lamprey

## Rocky Reach Fish Forum – 2015 Pacific Lamprey Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>Evaluate Upstream Lamprey Passage Modifications</b>	Continue to monitor fishway for 2014 tagged lamprey to assess fishway improvements. Possible evaluation of escapement levels to Wenatchee and Entiat River via PIT tags or Acoustic Tags, install detection equipment in both rivers.	March - Nov	Determine dam passage efficiency relative to other hydros per the PLMP	Pacific Lamprey Subcommittee and Fish Forum Monthly meetings	2015–Determine if additional dam passage monitoring necessary; implement and identify if additional measures needed in fishway. Determine if escapement monitoring necessary and important
<b>Conduct Bi-annual Juvenile Lamprey Impingement Monitoring</b>	Monitor for impingement of juvenile lamprey on turbine Unit 1 & 2 intake screens	May-June, 2015	Review Results	Fish Forum Monthly meetings	conduct in monitoring May-June 2015 per the RRF decision in 2013
<b>Measurement of Impacts on Juvenile Lamprey Downstream Passage</b>	Ongoing RRF review of acoustic tag technology to enable unbiased tagging of juvenile lamprey.  Chelan PUD to use pikeminnow predator control program to examine potential predation on juvenile lamprey at Rocky Reach dam and reservoir.	January - Dec	None expect for 2015	Fish Forum Monthly meetings; Pacific Lamprey Subcommittee	Wait for tag technology and physiology studies of tagged juveniles to accept tag, and unbiased methods to conduct paired release studies of juvenile lamprey dam passage. Sample northern pikeminnow gut contents for presence of juvenile lamprey
<b>No Net Impact</b>	Evaluate possibility for, and appropriateness of, alternative measures to achieve NNI given Project effects not measurable for juvenile downstream passage	January- Dec	RRF acceptance of alternative path(s) using Adaptive Management to achieve NNI	Fish Forum Monthly meetings; Pacific Lamprey Subcommittee	RRF to define concepts, foundations, and agreement on alternative approaches to achieve NNI.

# 2015 Resident Fish

## Rocky Reach Fish Forum – Resident Fish 2015 Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>Resident Fish Monitor &amp; Measure Relative Abundance and Species Comp</b>	No resident fish activities planned as yet for 2015	2023	10-year study timeline set, next in 2023	Fish Forum monthly meetings	Next study, 2023
<b>Resident Fish Monitoring Plan</b>	Design study for 2023	2022	First of three additional studies	Fish Forum monthly meetings	Conduct next evaluations: 2023, 2033, 2043



# 2015 Wildlife

## Rocky Reach Wildlife Forum – 2015 Work Plan

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>New 5-year Wildlife Plan and 5-year Summary</b>	Finalize new 5-year Wildlife Plan and 5-year Summary	Jan – Apr.	Approve 5- year Plan and Summary	Review draft 5-year summary report and draft 5-year plan. Ideally, new 5-year plan to be approved by FERC before current plan and payment agreements expire (Sept and Dec of 2015 respectively)	Finalize 5-year Summary and new 5-year Plan, get RRWF review. by early 2015 for FERC approval
<b>Agency funding (WDFW , BLM, USFS)</b>	Implement approved measures , Project Management	Ongoing	Annual Weed Projects	Annual meetings to establish project schedules and budget. Modify existing Payment Agreements as needed. Provide final draft project proposals for new 5-year Plan by April 15.	Implement approved measures (FERC & RRWF). Submit Summary and Plan for FERC approval
<b>Bald Eagle and Canadian Goose Surveys</b>	Monitoring and reports	Ongoing	None	Annual goose nesting survey report to WDFW. Wildlife Forum meetings, (winter and fall)	Annual Surveys and reports
<b>Sun Cove Conservation Easement</b>	none	When necessary	None	As necessary	Preserve property until buffer is necessary

# 2015 Ute Ladies' Tresses

## Rocky Reach Wildlife Forum – Ute Ladies' Tresses 2015 Work Plan

License Measure	Activity	Activity Timeline	Subcommittee Decisions	Consultation or Meetings	Next Steps
<b>Plan Implementation</b>	Implement Integrated weed control Plan	Spring and Fall weed control as approved by Committee	Proposal for 2016 weed control	Late fall for 2015 project close-out; , 2016 weed control proposals	Review monitoring reports, site visit (s), implement weed control
<b>Spiranthes Existing Populations Monitoring, Reporting, and Mapping</b>	Monitoring and reporting	August – Sept surveys Sept- Dec report	Review reports, prioritize threats	Review annual monitoring efforts	Annual monitoring and report (by December 31)

# 2015 Cultural

## Rocky Reach Cultural Forum – Work Overview

License Measure	Activity	Activity Timeline	Forum Decisions	Consultation or Meetings	Next Steps
<b>Develop TCP Plan</b>	Develop Plan	TBD	Complete and Approve Plan	Schedule regular forum meetings to implement provisions in the HPMP.	Implement Plan
<b>Conduct Site Surveys and Treatment</b>	Continuous as needed	2015	Approvals	Schedule regular forum meetings to implement provisions in the HPMP.	Continue to consult with Forum on any project impacts (e.g. discovery)
<b>Curate Items</b>	Complete	2015	Complete	Schedule regular forum meetings to implement provisions in the HPMP.	Complete
<b>Cultural Resource Monitoring Plan</b>	Complete	2015	Complete	Schedule regular forum meetings to implement provisions in the Plan.	Implement Plan
<b>Education Interpretive Plan</b>	Complete	2015	Complete	Schedule regular forum meetings to implement provisions in the Plan.	Consult with Forum on additional opportunities to further public education on cultural resource issues.

# 2015 401 Certification

## Rocky Reach Water Quality – Work Plan

License Measure	Activity	Activity Timeline	Consultation or Meetings	Next Steps
<b>Annual Gas Abatement (TDG) Plan</b>	Complete Plan	Due to Ecology April 1	Ecology review and approval.	Provided to Ecology on Feb 13 for review of draft. Final due to Ecology April 1.
<b>Gas Abatement Plan (TDG) Annual Report</b>	Complete Report	Due to Ecology Dec 31	Ecology review	Provide a draft to Ecology October 31
<b>Year 5 TDG compliance</b>	Complete Report	TBD by Ecology	Ecology consultation	Receive feedback from Ecology regarding TDG compliance
<b>TDG Monitoring</b>	Monitoring	Year round	NA	Annually
<b>Temp Monitoring – Forebay/Tailrace</b>	Monitoring	April - Oct	NA	Annually
<b>Aquatic Invasive Species Report</b>	Annual Report	Draft to Ecology/RRFF Feb 19 Due to FERC April 1	Ecology/RRFF consultation on draft	Provided to Ecology on Feb 2 Submitted to FERC on March 3
<b>Quality Assurance Project Plan Report (Water Quality Report)</b>	Annual Report	Draft to Ecology March 1 Due to FERC May 1	Ecology review and approval. FERC approval.	Annual report provided to Ecology February 28, 2014. Submit to FERC on May 1.
<b>TMDL Measures</b>	Monitoring	Ongoing		Ongoing
<b>WQPP</b>	Develop plan	Project specific	Ecology review and approval	As needed

# 2015 Project Operations

## Rocky Reach Project Operations – Work Plan

License Measure	Activity	Activity Timeline	Consultation or Meetings	Next Steps
<b>Annual Operations Plan (Article 402)</b>	Complete Annual Plan	Submit draft for agency and Tribes review. Final to FERC by April 1.	Draft provided to agencies and Tribes for comment on Feb 13, 2015	Incorporate comments and submit to FERC by April 1.