



Rocky Reach License 2013 Annual Policy Committee Update

Rocky Reach Hydroelectric Project (FERC No. 2145)
2012 **Progress** Report
2013 **Implementation** Work Plan

*Reports provided by Chelan PUD:
Kris Pomianek (Recreation Forum)
Steve Hemstrom (Fish Forum)
Von Pope (Wildlife Forum)
Jennifer Burns (Cultural Forum)
Waikele Frantz (Water Quality and Operations)*

2012 Progress Report

Rocky Reach Hydroelectric Project 2012 Completed License Activities

Forum	Activity
Rocky Reach Recreation Forum	<ul style="list-style-type: none"> Ⓢ Completed 100% design on Entiat Park Ⓢ Submitted permit applications for Entiatqua Trail Ⓢ Completed Lincoln Rock ST entry road, maintenance building parking lot and boat parking lot asphalt improvements Ⓢ Lincoln Rock and Daroga State Parks: submitted permits for docks and floats, completed 50 AMP upgrade design
Rocky Reach Fish Forum	<ul style="list-style-type: none"> Ⓢ Pacific Lamprey Upstream Passage Literature Review Completed Ⓢ Completed juvenile lamprey breeding and rearing methodologies study (Wade and Beamish 2012) Ⓢ Second-Phase adult Pacific lamprey passage improvement measures completed in Rocky Reach adult fishway Ⓢ First-year evaluation of fishway improvement measures using HD PIT tags in adult lamprey Ⓢ Plan to evaluate Juvenile lamprey impingement on turbine intake screens on units 1 and 2, 2013 Ⓢ Completed field investigation (with USFWS) for juvenile lamprey presence in Rocky Reach Reservoir Ⓢ 2012 white sturgeon release short of target (white sturgeon iridio virus). Successfully collected brood and fertilized eggs for 2013 release of ~6,500 white sturgeon Ⓢ Conducted Resident Fish Study with summer/fall sampling (WDFW LLT) in Rocky Reach Reservoir
Rocky Reach Wildlife Forum	<ul style="list-style-type: none"> Ⓢ Implementation on-going. Wildlife Plan revisions for USFS and BLM projects approved Ⓢ Approved Terrestrial Invasive Species Management Plan. Implemented first weed control measure Ⓢ Approved Terrestrial Invasive Species Plan for Ute Ladies Tresses. Prioritized risk to Ute Ladies Tresses from weeds
Rocky Reach Cultural Forum	<ul style="list-style-type: none"> Ⓢ Completed annual cultural resource site monitoring for Rocky Reach Reservoir Ⓢ Completed construction of an Intertribal Longhouse as part of the Native American Intertribal Encampment at the annual Wenatchee River Salmon Festival Ⓢ Completed subsurface reconnaissance and survey for the Entiat Park Revitalization and Improvements Project Ⓢ Completed survey of shoreline for the Lincoln Rock State Park Caisson Rehabilitation Project Ⓢ Completed survey and archaeological monitoring for the Lower Wenatchee Smolt Trap installation on the Wenatchee River

2012 Progress Report

Rocky Reach Hydroelectric Project 2012 Completed License Activities

Forum	Activity
401 Water Quality	<ul style="list-style-type: none">Submitted Gas Abatement Plan to Ecology on February 28, 2012Submitted Gas Abatement (TDG) Annual Report to Ecology on December 27, 2012Continuing to collect TDG and temperature data in forebay and tailrace (instruments were left in place through the winter)Collected temperature data from JFBS entrance (Apr 1 – Oct 31) and sampling facility (Apr 1 – Aug 31)
Project Operations	<ul style="list-style-type: none">Submitted Operations Plan (included Fish Spill Plan dated March 28, 2012) to FERC March 30, 2012. FERC approved May 30, 2012.

Implementation **2013** Work Plan

**Recreation Resources
Management Plan**
(FERC approved, Oct 12, 2010)

Rocky Reach Recreation Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
Entiat Park Renovation	Bid & construct	2010-16	None	Forum email updates, individual meetings as needed	Bid to advertise during May – June, 2013. Award contract in July 2013. Start construction in September 2013.
Daroga State Park Enhancements	Design, bid & construct	2011-16	None	Forum email updates, individual meetings as needed	RV sites to receive 50 amp upgrades Spring 2013. Beach improvements fall 2013. Asphalt trail repairs summer 2013. Dock Replacements out for permitting.
Lincoln Rock State Park Enhancements	Design, bid & construct	2010-16	None	Forum email updates, individual meetings as needed	RV sites to receive 50 amp upgrades Spring 2013. Dock Replacements out for permitting. Cabin Loop & Group camp design begins.
Rocky Reach Trail	Bid & construct	2013	None	Forum email updates, individual meetings as needed	Trail segment through District lands to be constructed in 2013.
Entiatqua Trail	Permits	2010 - 16	None	Forum email updates, individual meetings as needed	Permit applications submitted. Construction scheduled for fall 2014.

Implementation **2013** Work Plan

White Sturgeon Management Plan
(FERC approved Feb 19, 2009)

Rocky Reach Fish Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
White Sturgeon Supplementation	Adult brood stock collection, egg take, and culture of up to 6,500 sturgeon. Juveniles monitoring (active and passive tags) began in 2012, continues with 2013 juvenile release.	2013	Annual work plan	Monthly White Sturgeon Subcommittee technical meetings and Fish Forum meetings for updates/approvals.	Continue annual stocking, brood collection, and monitoring.

Implementation **2013** Work Plan

Bull Trout Management Plan
(FERC approved Feb 19, 2009)

Rocky Reach Fish Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
Annual Report to USFWS	Annual Bull Trout Monitoring and Incidental Take Report	April 15	None	USFWS meetings, Monthly Forum Meetings for updates	Continue annual reports. 10-year radio-telemetry study to confirm take remains below permit ted levels (yrs 2018, 2028, etc)

Implementation **2013** Work Plan

Lamprey Management Plan
(FERC approved Feb 19, 2009)

Rocky Reach Fish Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
Evaluate Upstream Lamprey Passage Modifications	Continue to monitor fishway improvement measures; HD monitoring equipment installed. Adult passage monitoring.	March - Nov	None	Pacific Lamprey Subcommittee and Fish Forum Monthly meetings	2013 – monitor adult passage to test efficacy of measures; implemented and identify if additional measures needed.
Conduct Bi-annual Juvenile Lamprey Impingement Monitoring	Monitor potential impingement of juvenile lamprey on turbine unit 1 & 2 fish screens	May-July	Review Results	Fish Forum Monthly meetings	Re-conduct 2015 if impingement not shown
Measurement of Impacts on Juvenile Lamprey Downstream Passage	Discuss constraints on tag technology and methodology; identify alternative measures	Jan -August	Review, Decide impact, alternative measures	Pacific Lamprey Subcommittee and Fish Forum Monthly meetings	Define NNI Path Forward

Implementation **2013** Work Plan

Resident Fish Management Plan
(FERC approved Feb 19, 2009)

Rocky Reach **Fish** Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
Resident Fish Monitor & Measure Relative Abundance and Species Comp	Draft Report Due Q1 2013	Feb 25	Decide if predator problem exists in reservoir	Fish Forum monthly meetings	Recommend to implement or abstain from additional predator control measures (Section 4.2 Resident Fish Mgmt Plan)
Resident Fish Monitoring Plan	Discuss results to guide next evaluation	Feb -April 2013	Conduct two or three additional studies over license period	Fish Forum monthly meetings	Establish timeline for next Evaluations (Section 4.2 Resident Fish Management Plan)

Implementation **2013** Work Plan

Wildlife Management Plan
(FERC approved Sept 22, 2010)

Rocky Reach Wildlife Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
WDFW Funding	Funding	Annual	Noxious weed plan & projects	Annual meeting to establish project schedules and budgets. Payment Agreement executed. Implementation initiated.	Implement approved measures.
USFS Funding	Funding & revised projects	Annual	Noxious weed plan & projects	Annual meeting to establish project schedules and budgets. Payment Agreement approved	Implement approved measures.
BLM Funding	Funding & revised projects	Annual	Noxious weed plan & projects	Annual meeting to establish project schedules and budgets. Payment Agreement executed. Implementation initiated.	Implement approved measures.
Bald Eagle and Canadian Goose Surveys	Surveys, report only for Goose Surveys	Late spring 2013	None	Goose survey report to WDFW. Wildlife Forum meetings, 2 per year (Feb/Nov)	Annual Surveys
Sun Cove Conservation Easement	Acquire easement	When necessary	None	Coordination for access sites along easement required	Preserve property until buffer is necessary

Implementation **2013** Work Plan

Spiranthes Management Plan
(FERC Approved Aug 15, 2010)

Rocky Reach **Wildlife** Forum Ute Ladies' Tresses Subcommittee – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Subcommittee Decisions	2013 Consultation or Meetings	Next Steps
Plan Implementation	Implement Integrated weed control Plan. Conduct 5-year monitoring.	Fall 2013	Implement weed control effort	January for proposals, December for close-out	Review monitoring reports, site visit (s), implement weed control.
Spiranthes Existing Populations Monitoring, Reporting, and Mapping	Monitoring and reporting	Dec 31	Review reports, prioritize threats	January & December Approve 5-year monitoring effort.	Annual monitoring and 5-year monitoring.

Implementation **2013** Work Plan

Historic Properties and Cultural Resources Management Plan (FERC approved Feb 19, 2009)



Rocky Reach Cultural Forum – 2013 Work Overview

License Measure	2013 Activity	Activity Timeline	2013 Forum Decisions	2013 Consultation or Meetings	Next Steps
Develop TCP Plan	Develop Plan	TBD	Complete and Approve Plan	Schedule regular forum meetings to implement provisions in the HPMP.	Implement Plan
Conduct Site Surveys and Treatment	Continuous as needed	2013	Approvals	Schedule regular forum meetings to implement provisions in the HPMP.	Continue to consult with Forum on any project impacts (e.g. discovery)
Curate Items	Complete	2013	Complete	Schedule regular forum meetings to implement provisions in the HPMP.	Complete
Cultural Resource Monitoring Plan	Complete	2013	Complete	Schedule regular forum meetings to implement provisions in the Plan.	Implement Plan
Education Interpretive Plan	Complete	2013	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.

Implementation **2013** Work Plan

401 Water Quality Certification
(FERC approved Feb 19, 2009)

Rocky Reach Water Quality – 2013 Work Plan

License Measure	2013 Activity	Activity Timeline	2013 Consultation or Meetings	Next Steps
Annual Gas Abatement (TDG) Plan	Complete Plan	Due to Ecology April 1	Ecology review and approval.	Provided to Ecology on Feb 4 for review of draft. Final due to Ecology April 1.
Gas Abatement Plan (TDG) Annual Report	Complete Report	Due to Ecology Dec 31	Ecology review	In year 5, summarize study results. Ecology determination of compliance.
TDG Monitoring	Monitoring	Year round	NA	Annually
Temp Monitoring – Forebay/Tailrace	Monitoring	April - Oct	NA	Annually
Temp Monitoring – Fish Bypass/Fishway	Monitoring	Fishway – winter 2013-2014 Fish Bypass – completed in 2012	NA	2013/2014 monitoring
Aquatic Invasive Species Report	Annual Report	Draft to Ecology/RRFF Feb 19 Due to FERC April 1	Ecology/RRFF consultation on draft	Provided to Ecology on Feb 19, 2013. Submit to FERC on April 1.
Quality Assurance Project Plan Report (Water Quality Report)	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, 2013. Submit to FERC on May 1. In year 6, summarize water quality monitoring results. Ecology determination of compliance with numeric temp criteria.
TMDL Measures	Monitoring	Ongoing		Ongoing
WQPP	Develop plan	Project specific	Ecology review and approval	As needed