
ROCKY REACH BIOLOGICAL OBJECTIVES 2013 STATUS REPORT

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ROCKY REACH HYDROELECTRIC PROJECT

FERC Project No. 2145

February 1, 2014



Public Utility District No. 1 of Chelan County

Wenatchee, Washington

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6.1 No Negative Impacts on Native Resident Fish

Designated Use	Biological Objective	Evaluation Timeframe	Actions if Objective Achieved	Alternative Management Actions	Fish Management Plan Action
Salmonid Migration	HCP Plan Species (Chinook, Steelhead, Sockeye, Coho) 91% Project Passage Survival	By 2013	Maintain Action.	Additional Tools (bypass modifications, spill, other)	HCP Sections 3 and 5
Salmonid Harvest	HCP Plan Species NNI Hatchery Production Achieves 7%	By 2013	Maintain Action. Adjust 7% Production Level Every 10 Years	Modify hatchery facilities or use other method for artificial production (lake outplants)	HCP Sections 3 and 8
Salmonid Rearing	HCP Plan Species Tributary Fund Implements Habitat Improvements For NNI	By 2013	Maintain Action.	Modify type of projects funded	HCP Sections 3 and 7
Salmonid Spawning	HCP Plan Species Adult Passage Survival Included in 91% Project Passage Survival.	By 2013	Maintain Action.	Additional Tools	HCP Sections 3 and 5
Bull Trout Adult Upstream Passage	Take does not exceed 2% through the upstream fishway.	2005-2008	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Bull Trout Plan Sections 4.1.1-4.1.3
Bull Trout Adult Downstream Migration	Take does not exceed 5% passing through turbines; 2% passing through spillways; and 2% passing through the downstream bypass.	2005-2008	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Bull Trout Plan Section 4.1.2
Bull Trout Adult Rearing in the Reservoir	Take does not exceed 2 fish for the fish predator control program.	2005-2008	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Bull Trout Plan Section 4.1.2
Bull Trout Sub-adult Downstream	Take does not exceed limits when established by USFWS.	As recommended by the RRFF.	Maintain Action. Continue appropriate monitoring and the	Pursue feasibility of Project operations of fishway/bypass if migration problems are identified	Bull Trout Plan Sections 4.1.1-4.1.3

Designated Use	Biological Objective	Evaluation Timeframe	Actions if Objective Achieved	Alternative Management Actions	Fish Management Plan Action
Migration			adaptive management process.		
Bull Trout Sub-adult Rearing in the Reservoir	Take does not exceed limits when established by USFWS.	2005-2008	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problem(s).	Bull Trout Plan Section 4.1.2
White Sturgeon Natural Recruitment	Natural reproduction potential	Years 8-10, 13, and 18	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problem(s).	White Sturgeon Plan Section 4.4
White Sturgeon Population at Carrying Capacity	Increase the white sturgeon population in the Reservoir through supplementation to a level commensurate with available habitat and allowing for appropriate and reasonable harvest	Years 3-5, adjust stocking level; Years 6 – 50	Maintain Action. Continue appropriate monitoring and the adaptive management process.	RRFF to recommend stocking level, broodstock source. Develop and implement a plan, in consultation with the RRFF, to address identified problems	White Sturgeon Plan Sections 4.1-4.3; 4.6
White Sturgeon Harvest	Success in creating population with a stable age-structure that allows for limited harvest	Years 20 – 50	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	White Sturgeon Plan Sections 4.1-4.6
Pacific Lamprey Adult Upstream and Downstream Migration	Success similar to best experience at other similar projects (Adult upstream fish passage as defined by the RRFF)	By Year 5	(Continuous reassessment every 10 years)	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Pacific Lamprey Sections 4.1.1-4.1.7 and 4.4
Pacific Lamprey Juvenile Downstream Migration	Maintain safe, effective, and timely volitional passage Criteria (as defined by the RRFF)	TBD by RRFF with 5 year review by RRFF	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Pacific Lamprey Sections 4.2.1-4.2.2 and 4.4
Pacific Lamprey Rearing	Avoid and minimize Project impacts on rearing habitat	By Year 5	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRFF, to address identified problems.	Pacific Lamprey Sections 4.3 and 4.4

Designated Use	Biological Objective	Evaluation Timeframe	Actions if Objective Achieved	Alternative Management Actions	Fish Management Plan Action
Pacific Lamprey Overall Combined Goal	No Net Impact	TBD by RRF	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRF, to address identified problems.	Pacific Lamprey Section 4
Native, Non-Stocked Resident Fish Species	No negative impacts caused by ongoing Project operations.	Years 1-2, with subsequent surveys determined by RRF	Maintain Action. Continue appropriate monitoring and the adaptive management process.	Develop and implement a plan, in consultation with the RRF, to address identified problems.	Resident Fish Plan Section 4.2