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September 5, 2018

### MEMORANDUM

**TO:** Council Members

**FROM:** Mark Fritsch

**SUBJECT:** Status of hatchery construction and renovations in the F&W Program

#### BACKGROUND:

**Presenter:** Mark Fritsch

**Summary:** As determined by past project reviews and recommendations, and the associated project tracking through qualifications/conditions there are currently 11 new or renovated hatcheries that are active in the planning and design phases. In addition, there are few other projects that may transition to the planning and design phases based on the previous Council review and recommendation. Council staff will provide a brief review on the status of these projects as they are being tracked in the Step review process (see Attachment 1).

**Relevance:** Addresses the 2014 Columbia River Basin Fish and Wildlife Program - Part Six, Section III, A., 1 and 2.

**Background:** The Council's 1995 Program directed that new artificial production programs should account for or address information being developed in 1) a comprehensive analysis of federal fish hatchery activities that was under way at the time<sup>1</sup> (7.0D), 2) an evaluation of salmon survival in the Columbia River, the estuary and

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<sup>1</sup> *Draft Programmatic Environmental Impact Statement: Impacts of Artificial Salmon and Steelhead Production Strategies in the Columbia River Basin*, Columbia Basin Fish and Wildlife Authority for the

the near-shore ocean plume (7.1A), 3) an inventory of population status, life history and other data on wild and naturally spawning salmon populations (7.1C), and 4) an evaluation of the cumulative and systemwide impacts of then-existing and proposed artificial production activities on the ecology, genetics and other important characteristics of Columbia River Basin anadromous and resident fish (7.1F).

Starting in Fiscal Year 1998, the annual prioritization process for projects funded under the fish and wildlife program included a review by the Independent Scientific Review Panel (ISRP), which the Council created in response to a 1996 amendment to the Northwest Power Act. During this initial review, the ISRP recommended a comprehensive basinwide review of artificial production. The ISRP recommended that until completion of that review, the Council “not approve funding for the construction and operation of new artificial propagation programs,” with this exception:

“To prevent a complete moratorium on new production, the ISRP recommends that the Council permit funding for an individual project only if the project proponents can demonstrate they have taken measures 7.0D, 7.1A, 7.1C, and 7.1F into account in the program design and the Council concurs. To ensure that standard is met, the individual projects should be funded only after a positive recommendation from an independent peer review panel.”

In September 1997, the Council adopted a policy known as the “three-step review.” It calls for “new production initiatives” to follow a basic development process that has three main steps or phases: (Step 1) conceptual planning, represented under the 1995 Program primarily by master plan development and approval; (Step 2) preliminary design and cost estimation, and environmental (NEPA and ESA) review; and (Step 3) final design review prior to construction. In adopting the Three-Step Review Process, the Council agreed with the ISRP’s recommendation to make use of independent peer review for projects as they move through each stage of the process. Production initiatives will trigger a review when a project proposes any one of the following: (a) construct significant new production facilities; (b) begin planting fish in waters they have not been planted in before; (c) increase significantly the number of fish being introduced; (d) change stocks or the number of stocks, and/or (e) change the location of production facilities.

The step review process continues to be a valuable tool for review of major investments, including new fish hatchery programs and facilities. Step review allows for review of scientific soundness, possible fish or wildlife benefits, environmental impacts, and design and fiscal considerations at appropriate stages in project development.

The attached table describes basic information about the as yet incomplete artificial production efforts underway through the Program. Included is information about the

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U.S. Fish and Wildlife Service, National Marine Fisheries Service and Bonneville Power Administration, Portland, Dec. 10, 1996.

sponsor, the purpose of the production facility or program, when was the project initiated, and where in the step-review process the proposal is at the current time.

Staff will provide additional details in response to questions from the Council members.

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## Attachment 1: Status of new hatchery construction and renovations in the F&W Program

Facility/Program	Manager	Project #	Facilities	Status	Comment
Hood River Production Program	CTWSRO/ ODFW	1988-053-07, 1988-053-08 and 2008-309-00	Renovation and new	Master Plan 1992,  Revised Master Plan 2008	Tracking, and future ISRP review and Council decision
Melvin R. Sampson Coho Facility	YN	1988-115-25	New	Master Plan 2012	Tracking, and future ISRP review and Council decision
Klickitat Hatchery	YN	1988-115-35	Renovation (Mitchell Act) and new	Planning 2001, Master Plan 2008 Step 2 Submittal 2012	Response loop with ISRP, ongoing discussions on funding and O&M, and future ISRP review and Council decision
Kalispel Tribal Fish Hatchery	KT	1995-001-00	Renovations and new	1995  In Step review	In transition from a Largemouth bass hatchery to a conservation/recovery facility for native fish (native broodstock for outplanting). Currently operating a triploid trout program for pond fishery. Tracking, and future ISRP review and Council decision
Lake Roosevelt Sturgeon	ST	1995-027-00 and 2007-372-00*	New	In Step review	Activities and funds* deferred in FY 2018 to address needs associated with Northern Pike removal in Lake Roosevelt. The project will need the funds back in FY 2019 and 2020 to continue work on the MP. Tracking, and future ISRP review and Council decision
Mid-Columbia Coho Reintroduction Feasibility Study	YN	1996-040-00	New	High Priority 1996, Master Plan 2010, Step 2 and 3, 2017	On November 20, 2017 based on the ISRP review, the Council recommended the project proceed to implementation. Construction anticipated in 2019, check in with Council at 95% design.
Walla Walla Spring Chinook	CTUIR	2000-038-00	New	Master Plan 2013	Tracking, and future ISRP review and Council decision

## Attachment 1: Status of new hatchery construction and renovations in the F&W Program (cont.)

Facility/Program	Manager	Project #	Facilities	Status	Comment
Develop a Master Plan for a Rearing Facility to Enhance Selected Populations of White Sturgeon in the Columbia River Basin	CRITFC/YN	2007-155-00 and 2008-455-00	New	Master Plan 2016	Tracking, and future ISRP review and Council decision
Kelt Reconditioning and Reproductive Success Evaluation Research	CRITFC/YN/N PT	2007-401-00	New	Master Plan 2016	Tracking, and future ISRP review and Council decision
Lamprey Master Plan	CRITFC/YN/ CTUIR	2008-524-00, 2008-470-00, and 1994-026-00	New	Master Plan 2018	Tracking, and future ISRP review and Council decision
Crystal Springs Planning and Operations/Maintenance	SBT	2008-906-00	New	Master Plan 2012	Tracking, and future ISRP review and Council decision
<i>Assess Reintroduction of Steelhead in Butte, McKay &amp; Willow Creeks</i>	<i>CTUIR</i>	<i>2008-203-00</i>			<i>Potential</i>
<i>Deschutes Basin Sockeye</i>	<i>CTWSRO</i>	<i>2008-307-00</i>			<i>Potential</i>
<i>Chum Salmon Restoration in the tributaries below Bonneville Dam</i>	<i>WDFW</i>	<i>2008-710-00</i>			<i>Potential</i>
<i>John Day Reprogramming and Construction</i>	<i>CRITFC</i>	<i>2008-527-00</i>			<i>Not Reviewed. Columbia Basin Fish Accords proposal</i>