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December 8, 2020

### MEMORANDUM

**TO:** Fish and Wildlife Committee Members

**FROM:** Mark Fritsch

**SUBJECT:** Presentation on NOAA research informing hatchery activities in the Columbia River Basin.

### BACKGROUND:

**Presenter:** Don Larsen, PhD, Research Fisheries Biologist, NOAA Fisheries, Northwest Fisheries Science Center; Chris Tatara, PhD, Research Fisheries Biologist; and, Ewann, Berntson, PhD, Molecular Geneticist NOAA Fisheries, Manchester Research Station.

**Summary:** The principal investigators, above, will provide a summary of NOAA research funded through the Program that contribute to hatchery production activities in the Columbia River Basin. Their report was recently submitted to the Council - [BPA sponsored research informing hatchery activities in the Columbia River Basin: Project 1993-056-00, 2002-031-00, and 1989-056-00.](#)

On August 14, 2019, as part of the [Mainstem and Program Support Project Review](#) decision, the Council conditioned the following three NOAA sponsored projects, which the ISRP found to meet science review, to submit a report detailing how their work will inform and assist artificial production activities in the basin.

- Project #1989-096-00, *Genetic Monitoring and Evaluation (M&E) Program for Salmon and Steelhead,*

- Project #2002-031-00, *Growth Modulation in Salmon Supplementation*, and
- Project #1993-056-00, *Advance Hatchery Reform Research*

The Council recommended that the three projects submit the report ahead of the upcoming Anadromous Fish Habitat and Hatchery review to inform that review and promote awareness for the three projects' activities, expectations and applications to other projects and efforts. That review is scheduled to begin in February 2021.

On September 29, 2020 the Council received the report - [BPA sponsored research informing hatchery activities in the Columbia River Basin: Projects 1993-056-00, 2002-031-00, and 1989-056-00.](#)

**Relevance:** Section 4h(10)(D) of the Northwest Power Act directs the Council to review projects proposed for funding by Bonneville to implement the Council's Fish and Wildlife Program. The Council engages in this review process with the assistance of the Independent Scientific Review Panel (ISRP). In this instance, the submitted report addresses a condition that was placed on the three projects.

**Workplan:** Fish and Wildlife Division preliminary work plan 2020; Program Implementation (2014 Program and 2020 addendum); Project review.