

## Memorandum

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To: Wells, Rocky Reach, and Rock Island HCP Hatchery Committees and Priest Rapids Coordinating Committee Hatchery Subcommittee Date: September 22, 2020

From: Sarah Montgomery, Anchor QEA, LLC

cc: Tracy Hillman, HCP Hatchery Committees Chairman and PRCC Hatchery Subcommittee Facilitator

**Re: Final Action Item Summary from the September 16, 2020 HCP Hatchery Committees and PRCC Hatchery Subcommittee Meetings**

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The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans Hatchery Committees (HCP-HCs) and Priest Rapids Coordinating Committee Hatchery Subcommittee (PRCC HSC) meetings were held by conference call and web-share on Wednesday, September 16, 2020, from 9:00 a.m. to 10:45 a.m. The action items include the following:

### Action Item Summary

#### Joint HCP-HCs and PRCC HSC

- Brett Farman will discuss with NOAA staff and Mike Tonseth the potential use of a multi-population model for estimating proportionate natural influence (PNI) for the Nason and Chiwawa spring Chinook salmon programs (Item I-A). *(Note: this item is ongoing.)*
- Greg Mackey will work with Mike Tonseth to test a modeling approach and prepare a white paper on the method for determining a range for the number of females to be collected for a given broodstock in the upcoming year (Item I-A). *(Note this item is ongoing.)*
- Greg Mackey will prepare a plan for alternative mating strategies based on findings described in his previously distributed literature review (Item I-A). *(Note this item is ongoing.)*
- Mike Tonseth will distribute the analysis showing feasibility of the Methow Spring Chinook Outplanting plan based on historic run-size data (Item I-A). *(Note this item is ongoing.)*
- All parties will provide updates on changes to monitoring and evaluation plans due to the impacts of COVID-19 on operations as updates become available (Item I-A). *(Note this item is ongoing.)*
- Kirk Truscott will determine the number of scales that should be collected from spring Chinook at Wells Dam for elemental signature analysis to discern Okanogan River spring Chinook from Methow River spring Chinook (Item I-A). *(Note this item is ongoing.)*
- Mike Tonseth will check with Andrew Murdoch (WDFW) on presenting pre-spawn mortality data to the HCP-HCs and PRCC HSC at an upcoming meeting (tentatively planned for fall 2020; Item I-A). *(Note this item is ongoing.)*
- Todd Pearsons will continue coordinating with Mark Sorel (University of Washington) regarding his work on life cycle models for Wenatchee spring Chinook salmon and invite him to an

upcoming meeting (tentatively planned for winter 2020/2021; Item I-A). (*Note this item is ongoing.*)

- Kirk Truscott will work with CCT staff to develop a model that addresses the probability of encountering natural-origin Okanogan spring Chinook at Wells Dam (Item I-A). (*Note this item is ongoing.*)
- Kirk Truscott will work with Casey Baldwin (CCT) to prepare a presentation about reintroduction of endemic anadromous fish upstream from Chief Joseph Dam (Item I-A). (*Note this item is ongoing and tentatively planned for the October HCP Hatchery Committees meeting.*)
- Keely Murdoch and Mike Tonseth will update the retrospective analysis for Wenatchee spring Chinook salmon using estimates of female pre-spawn mortality (Item II-A).
- Greg Mackey will ask Betsy Bamberger (Douglas PUD) if any surplus fish are needed for research projects in 2021, which would need to be included in the Broodstock Collection Protocols (Item II-B).

## PRCC HSC

- None.

## Decision Summary

- The Rocky Reach and Rock Island HCP Hatchery Committees approved the *Chelan PUD 2021 Hatchery Monitoring and Evaluation Implementation Plan*, as follows: Chelan PUD, the YN, the CCT, WDFW, NMFS, and USFWS approved during the meeting on September 16, 2020.

## Agreements

- No agreements were approved during today's meeting.

## Review Items

- The Douglas PUD *2019 Wells Complex M&E Annual Report*, which was provided by Greg Mackey and was distributed to the Wells HCP Hatchery Committee by Sarah Montgomery on August 28, 2020, is available for a 30-day review with edits and comments due to Mackey by September 28, 2020.

## Finalized Documents

- The final report, *Monitoring and Evaluation of the Chelan and Grant PUDs Hatchery Programs 2019 Annual Report*, was distributed by Kristi Geris to the Rocky Reach and Rock Island HCP Hatchery Committees and PRCC HSC on September 11, 2020.