

## Memorandum

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To: Wells, Rocky Reach, and Rock Island HCP Hatchery Committees and Priest Rapids Coordinating Committee Hatchery Subcommittee Date: December 21, 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 December 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, December 16, 2020, from 9:00 a.m. to 10:30 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 whether the scales from spring Chinook salmon sampled at Wells Dam are archived, and if so, whether any contamination from the acetate impression process could affect elemental signature analysis (Item I-A).
- Andrew Murdoch (WDFW) will present pre-spawn mortality data during the February 2021 HCP-HC and PRCC HSC meeting (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.)*
- Keely Murdoch and Mike Tonseth will update the retrospective analysis for Wenatchee spring Chinook salmon using estimates of female pre-spawn mortality (Item I-A). *(Note this item is ongoing.)*
- Brett Farman will provide a listing of NOAA points-of-contact for programs and permits related to the HCP-HCs and PRCC HSC, and update the HCP-HCs and PRCC HSC on who is covering Allyson Purcell's duties while she is on leave (Item I-A). *(Note: Farman distributed this information on December 18, 2020).*
- HCP Hatchery Committees and PRCC HSC Representatives will consider desired outputs of Mark Sorel's (University of Washington) model (Item I-A). *(Note this item is ongoing.)*
- Mike Tonseth will check on the WDFW policy for releasing unmarked surplus fish (Item I-A). *(Note this item is ongoing.)*
- Mike Tonseth and Greg Mackey will solicit input from hatchery managers on effective methods to count surplus fish (Item II-B).
- Representatives will review the NOAA research summary and HGMPs presentation distributed by Tracy Hillman and consider whether to request the authors attend a future committee meeting to discuss their research (Item IV-B).

## PRCC HSC

- None.

## Decision Summary

- None.

## Agreements

- None.

## Review Items

- No documents are currently available for review.

## Finalized Documents

- Douglas PUD's *Final 2021 Wells Complex M&E Implementation Plan* was distributed via email by Sarah Montgomery on December 11, 2020.

- Douglas PUD's final report, Monitoring and Evaluation of the Wells Hatchery and Methow Hatchery Programs – 2019 Annual Report was distributed via email by Sarah Montgomery on December 11, 2020.