

Memorandum

To: Wells, Rocky Reach and Rock Island HCPs Hatchery Committees and Priest Rapids Coordinating Committee Hatchery Subcommittee Date: April 21, 2019

From: Larissa Rohrbach

cc: Tracy Hillman, Chair (HCP Hatchery Committees) and Facilitator (PRCC HSC)

Re: Action Items Summary from the April 17, 2019, HCP-Hatchery Committees and PRCC HSC meeting

The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans (HCPs) Hatchery Committees (HCs) and Priest Rapids Coordinating Committee Hatchery Subcommittee (PRCC HSC) meeting was held in Wenatchee, Washington, on Wednesday, April 17, 2019, from 9:00 a.m. to 12:00 pm. The action items include the following:

Action Item Summary

Joint HCP-HCs and PRCC HSC

- Tracy Hillman will review aspects of the Independent Scientific Advisory Board's *Review of Spring Chinook Salmon in the Upper Columbia River* under HCP-HCs' purview (Item I-A). (*Note: this item is ongoing.*)
- Greg Mackey will continue researching broodstock composition and mating strategies for conservation programs, focusing on spring Chinook salmon at the Methow Hatchery (Item I-A). (*Note: this item is ongoing.*)
- Mike Tonseth will coordinate with Andrew Murdoch (Washington Department of Fish and Wildlife [WDFW]) to present pre-spawn mortality modeling results for spring Chinook salmon at an upcoming HCP-HC meeting (Item I-A). (*Note: this item is going*)
- Catherine Willard will update the genetics section of the *Monitoring and Evaluation (M&E) Plan for PUD Hatchery Programs (Update to the 2017 Plan)* based on the genetics panel recommendations and will append the recommendations from the panel to the plan (Item I-A). (*Note: this item is ongoing.*)
- Kirk Truscott will discuss with Colville Confederated Tribes (CCT) biologists whether elemental signature analysis could differentiate natural-origin Okanogan spring Chinook salmon from other natural-origin Chinook salmon during broodstock collection at Wells Dam for Methow Fish Hatchery programs (Item I-A). (*Note: this item is ongoing.*)

- Brett Farman will discuss with Charlene Hurst 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.)*
 - Mike Tonseth will confirm with Andrew Murdoch (WDFW) that Wenatchee spring Chinook DNA sampling of the 2018 to 2023 returns is still consistent with the original Relative Reproductive Success Study extension agreement and provide an update to the extension. (Item I-A) *(Note: this item is ongoing.)*
 - Larissa Rohrbach will add sizing of upper Columbia River conservation programs as a periodic agenda item (Item I-A). *(Note: this item is ongoing.)*
 - Tracy Hillman and Larissa Rohrbach will maintain a list of outstanding topics for consideration in HCP-HCs and PRCC HSC meetings prior to development of the 2020 Broodstock Collection Protocols (Protocols). (Item I-A) *(Note: this item is ongoing.)*
 - Use of age-3 males in broodstock
 - Use of alternative, non-random mating strategies
 - Establishing ranges around broodstock collection targets
 - Source for Chiwawa spring Chinook salmon broodstock
 - Tracy Hillman and Larissa Rohrbach will add review of the Broodstock Collection Protocols to the September meeting agenda to help the HCP-HCs and PRCC HSC identify co-authors and opportunities to discuss major revisions in advance of 2020 deadlines (Item II-A). *(Note: this item is ongoing.)*
 - Rohrbach will re-send the HCP-HC SOA describing the annual timeline for developing the Broodstock Collection Protocols (Item II-B). *(Note: Rohrbach distributed the SOA by email on April 18, 2019).*
- Brett Farman will ask Amilee Wilson and Craig Busack (National Marine Fisheries Service [NMFS]) to clarify the intent of the direction provided in NMFS BiOps for marking Chiwawa and Nason conservation programs juvenile spring Chinook salmon (Item II-A).
- Todd Pearsons will provide Grant PUD's vote in an email by Tuesday April 23, 2019, on whether Grant PUD approves the proposed marking scheme for Chiwawa and Nason Conservation Program fish based on program assignment and parental origin (Item II-A).
 - Mike Tonseth will ask Michael Humling (U.S. Fish and Wildlife Service) and Charlie Snow (WDFW) to estimate the number of Methow returns that are likely to return to Winthrop National Fish Hatchery to inform a translocation discussion during the April 17, 2019 HCP-HCs meeting. (Item II-C) *(Note: this item is ongoing.)*
 - Mike Tonseth will revise and redistribute the 2017 *Out-planting Surplus Methow Composite Spring Chinook Salmon Adults* memorandum for review and discussion during the May 15, 2019 HCP-HCs meeting. (Item II-C)

- Deanne Pavlik-Kunkel will provide Grant PUD's approval of routine distribution of merged PRCC HSC and HCP-HC meeting materials according to the revised meeting protocols (Item II-E).
- Tom Kahler will present the revised merged HCP-HC and PRCC HSC distribution list to the HCP-CC for approval (Item II-E).

Wells HCP Hatchery Committee

- Greg Mackey will provide a revised version of Douglas PUD's draft 2019 M&E Implementation Plan for HCP-HC approval by email (Item I-A). (*Note: This item is ongoing*)

PRCC Hatchery Subcommittee

- Pearsons will finalize the PRCC HSC approved 2019 Priest Rapids Hatchery M&E Implementation Plan for distribution (Item V-B).
- HSC representatives will submit a list of minimum data or information needs for making a decision on the White River spring Chinook salmon hatchery program to Tracy Hillman (Item V-C).

Decision Summary

- The PRCC HSC approved the 2019 Priest Rapids Hatchery M&E Implementation Plan in today's meeting.

Agreements

- There were no agreements discussed during today's meeting.

Review Items

- Larissa Rohrbach sent an email to the HCP-HCs and PRCC HSC on April 18, 2019, notifying them that the updated meeting protocols, distribution lists, and draft Conflict of Interest Statement of Agreement are available for review (Item II-E).

Finalized Documents

- Mike Tonseth informed Brett Farman and Charlene Hurst of the formal submission of the HCP-HCs, PRCC HSC, and Wells HCP-CC approved final 2019 Upper Columbia River Broodstock Collection Protocols to NMFS on March 28, 2019.