

## Memorandum

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To: Wells, Rocky Reach, and Rock Island HCP  
Coordinating Committees

Date: August 16, 2022

From: John Ferguson, HCP Coordinating Committees Chairman

cc: Kristi Geris, HCP Coordinating Committees Support

Re: **Final Minutes of the July 26, 2022, HCP Coordinating Committees Meeting**

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The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plan (HCP) Coordinating Committees met in person at the Rocky Reach Dam Visitor's Center in Wenatchee, Washington, on Tuesday, July 26, 2022, from 1:00 p.m. to 4:00 p.m. Attendees are listed in Attachment A to these meeting minutes.

### Action Item Summary

- Chelan PUD will continue providing Rocky Reach Dam and Rock Island Dam turbine unit maintenance updates as information becomes available (Item I-C).
- National Marine Fisheries Service (NMFS) will discuss internally options available for the HCP renewal process to inform Rock Island relicensing discussions (Item I-C). *(Note: On August 12, 2022, Scott Carlon notified Anchor QEA that he spoke with Ritchie Graves about his thoughts on the gap. However, rather than conveying this via email, he prefers to do this in-person during the HCP Coordinating Committees meeting on September 27, 2022. Graves' comments were not controversial [in Carlon's opinion], but he guessed there will be questions and conversation.)*
- Chelan PUD will verify dates and times the Rock Island Adult Ladder Tailrace Entrance (TRE) was closed while calculating adult conversion rates for the 2021 Rock Island Dam Confirmation Survival Study (Item I-C).
- WDFW and Douglas PUD will provide updates regarding the Methow River Passive Integrated Transponder (PIT) Detection Raft (Methow PIT Raft) to the HCP Coordinating Committees, as needed and as they become available (Item I-C).
- Chelan PUD will provide a synopsis of the engineering options considered to meet the minimum 1.0-foot head differential target at all four entrances at the Rock Island Dam Right Bank Adult Fishway during high spring flows in the Columbia River (Item I-C).
- The Rock Island HCP Coordinating Committee will be prepared to discuss and prioritize HCP Plan Species comments received during the Rock Island relicensing process (the list distributed on May 24, 2022, and the Yakama Nation's [YN's] categorization of YN comments distributed on July 25, 2022) during the HCP Coordinating Committees meeting on August 16, 2022 (Item I-C).
- The HCP Coordinating Committees meeting on Tuesday, August 16, 2022, will be held in person at Douglas PUD Headquarters in East Wenatchee, Washington (Item VI-B).

## Decision Summary

- There were no HCP Decision Items approved during today's meeting.

## Agreements

- There were no HCP Agreements discussed during today's meeting.

## Review Items

- HCP Plan Species comments received during the Rock Island relicensing process were provided by Chelan PUD and distributed to the HCP Coordinating Committees by Kristi Geris on May 24, 2022. The YN's categorization of YN comments were distributed on July 25, 2022.
- Wells Project Land-Use Permit Application for LUP 926-01 was distributed to the Wells HCP Coordinating Committee by Kristi Geris on July 14, 2022, and is available for a 30-day review with comments due to Tom Kahler by Monday, August 15, 2022 (Item IV-A).
- Wells Project Land-Use Permit Application for LUP 91-01 was distributed to the Wells HCP Coordinating Committee by Kristi Geris on July 18, 2022, and is available for a 30-day review with comments due to Tom Kahler by Wednesday, August 17, 2022 (Item IV-A).

## Finalized Documents

- There are no documents that have been recently finalized.

## I. Rocky Reach Dam Tour

### A. Rocky Reach Dam Tour (All)

The HCP Coordinating Committees and Curt Dotson (Grant PUD) toured the tagging facility where Four Peaks Environmental Science and Data Solutions (Four Peaks) are acoustic tagging subyearling Chinook Salmon for the ongoing Rock Island Dam Subyearling Chinook Salmon Behavior Study. Lance Keller explained the process in which fish are collected, tagged, and released. HCP Coordinating Committees representatives observed Four Peaks staff anesthetizing and tagging fish.

The HCP Coordinating Committees then toured the new Rocky Reach Dam Visitor's Center, including interactive displays, informational exhibits, and the new fish viewing windows.

## II. Welcome

### A. Review Agenda (John Ferguson)

John Ferguson welcomed the HCP Coordinating Committees and reviewed the agenda. Ferguson asked for any additions or changes to the agenda. Tom Kahler added Thermal Barrier Criteria for

Okanogan Sockeye Salmon and Ferguson added HCP Policy Committees June 7, 2022, Meeting Minutes.

## **B. Meeting Minutes Approval (John Ferguson)**

The HCP Coordinating Committees reviewed the revised draft June 28, 2022, meeting minutes. Kristi Geris said the revised minutes were distributed to the HCP Coordinating Committees on July 19, 2022, and a second revised version was distributed on July 20, 2022. The second revised minutes included redline edits from Washington Department of Fish and Wildlife (WDFW). All other comments and revisions received from members of the Committees were incorporated into the revised minutes. Geris also added distribution of the YN's categorization of HCP Plan Species comments the YN submitted during the Rock Island relicensing process. HCP Coordinating Committees members present approved the June 28, 2022, meeting minutes, as revised. U.S. Fish and Wildlife Service (USFWS) abstained because a representative was not present during the June 28, 2022, meeting.

## **C. Last Meeting Action Items (John Ferguson)**

Action items from the HCP Coordinating Committees meeting on June 28, 2022, and follow-up discussions were as follows. (*Note: Italicized text corresponds to agenda items from the meeting on June 28, 2022*):

- *Chelan PUD will continue providing Rocky Reach Dam and Rock Island Dam turbine unit maintenance updates as information becomes available (Item I-C).*
- *National Marine Fisheries Service (NMFS) will discuss internally options available for the HCP renewal process to inform Rock Island relicensing discussions (Item I-C).*

Scott Carlon said he spoke with the NMFS attorney assigned to Mid-Columbia River projects, who is not a big supporter of HCPs. His idea was to let the HCP expire, then develop a settlement agreement or some other instrument that would cover the period from the end of the current HCP to the end of the new Federal Energy Regulatory Commission (FERC) license. Carlon spoke with another attorney, who supports HCPs. He asked her, if all Parties agree, can the HCP be extended some number of years? She said not necessarily. This will likely require a new National Environmental Policy Act analysis, including a new Biological Opinion (BiOp), a new Section 106 review, and a new Section 10 findings. It is likely the Parties will need to step through all these major processes to extend the HCP to align with the 50-year FERC license expiration. In summary, one attorney thinks it would be easier to enter into some form of agreement, and the other attorney said one cannot simply extend an HCP.

Lance Keller said last week, during a Rock Island Relicensing Meeting, Ritchie Graves said the existing HCP is still intact for 50 years, and after expiration, there are multiple ways an extension could be contemplated. Graves shared a wide list of options, but Keller was on and

off the call, so he missed the full explanation. Jim Craig asked if meeting minutes are available, but Keller does not believe meeting notes were recorded.

Keely Murdoch asked, when does this need to be figured out? Will FERC issue a license with a 20-year gap at the end with no information on how to protect the current Plan Species? What information needs to be in place, and agreed to, for FERC to issue a license? Or does the Committee wait until the HCP expires and then figure it out? Keller said he understands that a lot of this is up to FERC interpretation. However, he does not believe Chelan PUD and the Rock Island HCP Coordinating Committee are missing any of these deadlines right now. There is a slot where Chelan PUD thinks these details will be discussed, and early engagement is not it. Murdoch said the Rock Island HCP includes a section on relicensing. John Ferguson shared on WebEx, *Section 9.1 Re-Licensing of the Rock Island HCP*:

*If the fifty (50)-year term of this Agreement will expire during a long term license, any Party may advocate for license conditions that take effect after this Agreement expires.*

Murdoch said, per this language, she was under the impression that the Parties would need to advocate for these changes. The HCP basically says what to do about the gap. If more data are needed, it would be nice to know this during early engagement. Keller shared on WebEx, a Rock Island Relicensing Timeline (Attachment B), which was distributed to the HCP Coordinating Committees by Kristi Geris on July 27, 2022. Keller said this same timeline was shared during the Fish and Aquatic Technical Work Group July 2022, meeting. The official timeline starts when Chelan PUD submits the Pre-Application Document (or PAD). Early engagement provides additional time to identify studies and find common ground on data gaps. Studies being conducted during early engagement may also be included in the PAD, e.g., botanical surveys and White Sturgeon monitoring. All of this work essentially expands the "FERC Study Plan Determination Issued" period.

Murdoch said there is more information now than when the HCPs were signed, about populations in general and what is working and what is not. Some of these uncertainties are reflected in the YN's comments and could possibly benefit from further studies. Why not start these studies now in early engagement? Keller said this is the reason Chelan PUD wanted to bring Plan Species topics raised in early engagement back to the HCP Coordinating Committees, so if HCP Coordinating Committees representatives wanted time to discuss these topics now, the topic can be placed on the agenda. The main point here is, "the ship has not sailed" on this.

Keller said Slide 2 of Attachment B includes a link to FERC's Integrated Licensing Process (ILP) schedule. There is also an Alternative Licensing Process (or ALP). Chelan PUD chooses which

process to follow. Keller briefly reviewed the ILP schedule. Notably, he wanted to illustrate that once the process starts, there is a specific flow chart that FERC follows. That is, once Chelan PUD submits the PAD, this sets up a structure of outreach, meetings, and comment periods. Ferguson asked if the information Carlon provided is sufficient to close out this action item. Chad Jackson asked if what the attorneys are saying is what NMFS Policy is conveying? That is, is this the final word? Carlon said he was pursuing legal advice and was given legal preferences. He will connect with Graves to better understand options available for the HCP renewal process.

- *Chelan PUD will verify dates and times the Rock Island Adult Ladder Tailrace Entrance (TRE) was closed while calculating adult conversion rates for the 2021 Rock Island Dam Confirmation Survival Study (Item I-C).*

This action item will be carried forward.

- *WDFW and Douglas PUD will provide updates regarding the Methow River PIT Detection Raft (Methow PIT Raft) to the HCP Coordinating Committees, as needed and as they become available (Item III-A).*

Chad Jackson said, on July 18, 2022, WDFW met with the Mayor and City Council of the City of Pateros, Washington, and shared an abbreviated version of the Methow PIT Raft presentation that was shared with the HCP Coordinating Committees. The presentation was well-received, including interest in how to access the PIT detection data. No follow-up coordination is planned, except maybe checking in for additional questions. Andrew Gingerich said Brock Hoenes (WDFW HCP Policy Committees Representative) called asking if Douglas PUD can meet with WDFW. Gingerich told Hoenes he could provide feedback about who could participate in this meeting. Gingerich said, because the issue with the PIT raft is not biological, he and Tom Kahler are not the appropriate people for this meeting. Jackson said he did receive an initial list of people for this meeting from Gingerich today. John Ferguson said there will be more to come on this topic, so this action item will be carried forward.

Lance Keller asked if it was determined why the Wenatchee PIT Raft broke loose from its anchor and drifted downstream in the Rock Island Reservoir? Jackson said a cotter pin broke or was not installed by the contractor. Nothing broke (except maybe the cotter pin), and the PIT raft is now redeployed and secure.

- *Chelan PUD will provide a synopsis of the engineering options considered to meet the minimum 1.0-foot head differential target at all four entrances at the Rock Island Dam Right Bank Adult Fishway during high spring flows in the Columbia River (Item IV-C).*

This action item will be carried forward.

- *Anchor QEA will add Rock Island Dam Right Bank Adult Fishway TRE Closure Statement of Agreement (SOA) as an agenda topic for the HCP Coordinating Committees meeting in January 2023 (Item IV-C).*

This addition was made.

- *Anchor QEA will distribute the SOA, Closure of Rock Island Right Bank Adult Fishway TRE During High Flows and Tailwater Elevation, as revised, to USFWS and the Confederated Tribes of the Colville Reservation (CTCR) for vote via email (Item IV-C).*

The revised SOA was distributed by Kristi Geris following the HCP Coordinating Committees meeting on June 28, 2022.

- *Chelan PUD will verify that resolution about the expiration of the Rock Island HCP during the proposed 50-year FERC license ("the gap") is not needed before submitting the PAD in fall 2023 (Item IV-D).*

This action item was already discussed during today's meeting.

- *Chelan PUD will clarify decision deadlines within the Rock Island Relicensing timeline (Item IV-D).*

This action item was already discussed during today's meeting.

- *The YN will distribute their categorization of HCP Plan Species comments the YN submitted during the Rock Island relicensing process (Item IV-D).*

Keely Murdoch provided these categories on July 25, 2022, which Kristi Geris distributed to the HCP Coordinating Committees that same day. Murdoch said the YN's comments are based on new information or are potential uncertainties that have come to light 20 years into the HCP. The comments were brought forward because of relicensing. These topics need to be discussed and addressed. She is requesting that a schedule be set up to address each of these comments. Addressing the comments will involve bringing the appropriate data and people into the discussion. The thought of her needing to bring up these topics one by one is not appealing. She hopes the Rock Island HCP Coordinating Committee can develop a schedule together, by either figuring this out during a meeting or have the Chairman develop a draft schedule for discussion. She wants a schedule to understand what and who to bring to a meeting and when. John Ferguson recalled that Chelan PUD asked that Rock Island HCP Coordinating Committee representatives bring forward these topics, which based on Murdoch's comments today and last month does not work for the YN. Prioritization of topics can be placed on next month's agenda to work through them as a group, or he and Kristi Geris can lay out a timeline; however, he is uncertain he and Geris can do this without more information. Murdoch said, in the YN's view, they have already brought the topics forward to put on the agenda. Lance Keller clarified, when he has said "you" need to bring these topics forward, he was soliciting the entire Rock Island HCP Coordinating Committee, not "you," as in the YN. He further noted that any of the Rock Island HCP Coordinating Committee members can add one of the topics to future agendas for discussion. Murdoch said she appreciates this clarification. Ferguson suggested that the Rock Island HCP Coordinating Committee be prepared to discuss and prioritize HCP Plan Species comments received during the Rock Island relicensing process (the list distributed on May 24, 2022, and the YN's categorization of

comments distributed on July 25, 2022) during the HCP Coordinating Committees meeting on August 16, 2022 (Item I-C).

- *Chelan PUD will contact Tom Skiles (Columbia River Inter-Tribal Fish Commission [CRITFC] Priest Rapids Coordinating Committee [PRCC] Representative) and Curt Dodson (Grant PUD PRCC Representative) about attending the Rocky Reach Dam Visitor's Center Tour portion of the HCP Coordinating Committees meeting on July 26, 2022 (Item VI-B).*

This coordination occurred.

- *Anchor QEA will contact Bryan Nordlund (PRCC Facilitator) to verify HCP Coordinating Committees and PRCC monthly meeting dates and locations for the remainder of 2022 (Item VI-B).*

John Ferguson said this coordination has occurred, and he reviewed the dates, times, and locations for the remaining HCP Coordinating Committees meetings in 2022 (see agenda Item VI-B).

### III. HCP Hatchery and Tributary Committees Update

#### A. HCP Hatchery and Tributary Committees Update (Tracy Hillman)

Tracy Hillman updated the HCP Coordinating Committees on the following actions and discussions that occurred during the HCP Tributary Committees meeting on July 14, 2022:

- *Time Extension:* The Wells HCP Tributary Committee received a time extension request from Trout Unlimited on the Johnson Creek US Highway 97 Habitat Restoration Project, which is located in the Okanogan River Basin. The sponsor indicated that because of design delays and changes in staffing at the Washington State Department of Transportation, implementation of the project has been delayed. As a result, the sponsor requested a time extension from December 31, 2022, to December 31, 2023. The Wells HCP Tributary Committee agreed to extend the contract period to December 31, 2023.
- *Eagle Rocks Presentation:* The Methow Salmon Recovery Foundation (MSRF) joined the meeting to discuss the Eagle Rocks Project located on the Methow River between river mile 42.75 and 43.50. MSRF described the 30% design elements and asked the Wells HCP Tributary Committee for feedback. The Wells HCP Tributary Committee provided feedback, which MSRF will use to prepare 60% designs. MSRF will share the 60% designs with the Committee by the end of this year.
- *Chelan County Natural Resources Department Projects Discussion (with the PRCC Habitat Subcommittee):* Chelan County Natural Resources Department (CCNRD) joined the meeting to discuss potential projects with the HCP Tributary Committees and the PRCC Habitat Subcommittee. CCNRD described potential fish passage and habitat enhancement projects on Mud and Potato creeks, tributaries to the Entiat River; Clear and Big Meadow creeks, tributaries to the Chiwawa River; and Mission Creek, tributary to the Wenatchee River. The

Committees provided feedback on these potential projects. CCNRD also provided an update on the Icicle/Peshastin Pump-back Project, which will reduce water diverted from Icicle Creek and remove the Peshastin irrigation diversion. Feasibility analysis is complete, and they are currently identifying where the pump stations will be located along the Wenatchee River. Once that is resolved, they will prepare designs.

- *Next Meeting:* The next meeting of the HCP Tributary Committees will be on August 11, 2022.

Tracy Hillman updated the HCP Coordinating Committees on the following actions and discussions that occurred during the HCP Hatchery Committees meeting on July 20, 2022 (*Note: Joint HCP Hatchery Committees/PRCC Hatchery Subcommittee items are noted by "Joint," Wells HCP Hatchery Committee items are noted by "Wells," and Rock Island and Rocky Reach HCP Hatchery Committees items are noted by "Rock Island/Rocky Reach"*):

- *Hatchery Production Recalculation (Wells):* Douglas PUD submitted a draft SOA identifying production numbers for release years 2024 to 2033 for review and approval by the Wells HCP Hatchery Committee. After review and minor editing, the Wells HCP Hatchery Committee approved the SOA.
- *Hatchery Production Recalculation (Rock Island/Rocky Reach):* In June 2022, Chelan PUD submitted a draft SOA identifying production numbers for release years 2024 to 2033 for review and approval by the Rock Island and Rocky Reach HCP Hatchery Committees. After review, the Rock Island and Rocky Reach HCP Hatchery Committees approved the SOA.
- *Wenatchee Steelhead Escapement Estimation (Rock Island/Rocky Reach):* In June 2022, Chelan PUD's consultants (Columbia Basin Research and Four Peaks) provided a presentation titled, *Wenatchee Steelhead Spawning Escapement Mark-Recapture Model*. The mark-recapture model was developed to replace the existing method of estimating steelhead spawning escapement within the Wenatchee River subbasin. Members of the Committees are reviewing the model and providing comments to Chelan PUD. Those comments will be discussed during the HCP Hatchery Committees meeting on August 17, 2022.
- *Goat Wall Acclimation Proposal (joint):* The YN shared a presentation to the Committees titled, *Proposal: Continuation of Goat Wall Acclimation, Methow Basin*. The purpose of the presentation was to describe the objectives of Goat Wall Acclimation and provide results from the 5-year feasibility study. Feasibility work included an evaluation of spring Chinook Salmon spawning distribution, homing, and performance (e.g., juvenile survival, travel time, and smolt-to-adult survival ratios). Based on the positive results from the feasibility study, the YN is proposing to continue releases from Goat Wall Acclimation in 2023 and beyond. The YN recommend increasing the acclimation number to greater than 25,000 spring Chinook Salmon by expanding acclimation to the Early Winters Acclimation site. The Committees will review the proposal and make a decision in September 2022. John Ferguson asked, what are the current numbers? Keely Murdoch said 25,000 fish, which was a 5-year HCP Hatchery



Committees agreement with clear monitoring and evaluation goals tied to this agreement. These 5 years have passed. All juvenile data and some adult data are now available. These discussions are based on available data to date, and expansion will not be proposed until all adult data are back and have been analyzed. That is, the YN is not asking anyone to agree to an expansion; rather, the YN is communicating interests for the future.

- *2022 Broodstock Collection Protocols (joint)*: Now that the PUDs have approved production numbers for release years 2024 to 2033, the Committees will update the 2022 Broodstock Collection Protocols. These updates will be completed for review before the HCP Hatchery Committees meeting on August 17, 2022. Members will review and hopefully approve the protocols during the meeting on August 17, 2022. Tom Kahler noted that the Wells HCP Coordinating Committee already reviewed and approved what was needed (broodstock collection actions at Wells Dam); therefore, the Wells HCP Coordinating Committee does not need to review the final protocols.
- *Next Meeting*: The next meeting of the HCP Hatchery Committees will be on August 17, 2022.

## IV. Douglas PUD

### A. Wells Project Land-Use Permit Applications for LUP 926-01 and LUP 91-01 (Tom Kahler)

Wells Project Land-Use Permit Application for LUP 926-01 was distributed to the Wells HCP Coordinating Committee by Kristi Geris on July 14, 2022, and is available for a 30-day review with comments due to Tom Kahler by Monday, August 15, 2022. Wells Project Land-Use Permit Application for LUP 91-01 was distributed to the Wells HCP Coordinating Committee by Geris on July 18, 2022, and is available for a 30-day review with comments due to Kahler by Wednesday, August 17, 2022 (Item IV-B).

Kahler said only USFWS has commented so far. Jim Craig said his comments were that he has no comments. Kahler asked if anyone has questions or comments to discuss today. None were expressed.

### B. Wells Dam Bypass Update (Tom Kahler)

Tom Kahler said bypass barriers were first removed from Spillway 8 on June 3, 2022, then from Spillway 10 the next week, and then from Spillway 4 a week after that. Once river conditions were met, as outlined in Table 1 of the *2022 Wells Hydroelectric Project Bypass Operating Plan*, bypass barriers were reinstalled in reverse order.

John Ferguson shared on WebEx the Wells Dam bypass update distributed via email by Kristi Geris on July 20, 2022, which described the reinstallation of the bypass barriers in Spillway 4 on July 1, in Spillway 10 on July 13, and in Spillway 8 on July 20, 2022. Kahler said all barriers are now reinstalled

and the bypass is back to normal fish passage operations. He noted that there is daily spill out of Spillway 9, because the current spill shape requires involuntary spill through Spillway 9.

### **C. Thermal Barrier Criteria for Okanogan Sockeye Salmon (Tom Kahler)**

Tom Kahler said the thermal barrier in the Okanogan set up sometime last week (as distributed to the HCP Coordinating Committees on July 21, 2022). The temperature sensor at the U.S. Geological Survey gage<sup>1</sup> was malfunctioning, but he guessed this occurred earlier in the week. Per the Wells HCP Policy Committee SOA (approved October 6, 2020), once the thermal barrier sets up, CRITFC trapping of Sockeye Salmon at Wells Dam no longer needs to be concurrent with WDFW and Douglas PUD trapping for brood collection. John Ferguson asked how long Jeff Fryer (CRITFC) typically traps? Kahler said typically through the first week in August, but Fryer is also interested in late fish. Kahler is unsure if Fryer plans to trap late in the run this year.

## **V. Chelan PUD**

### **A. Rock Island Dam Powerhouse 1 Maintenance Update (Lance Keller)**

Lance Keller said work on Turbine Unit B3 is on schedule, and the return-to-service date is still April 2023.

### **B. Rocky Reach Dam Turbine Units Maintenance Update (Lance Keller)**

Lance Keller said the return-to-service for Turbine Unit C4 has moved out 2 weeks (formerly September 2022). The return-to-service for Turbine Unit C5 is still January 2023, which is still prior to the Rocky Reach Dam Confirmation Survival Study in spring 2023.

## **VI. HCP Administration**

### **A. HCP Policy Committees June 7, 2022, Meeting Minutes (John Ferguson)**

John Ferguson said the HCP Policy Committees June 7, 2022, meeting minutes were distributed for a 2-week review on Wednesday, July 20, 2022, with comments due by Wednesday, August 3, 2022. The revised minutes will go out for email vote due by Wednesday, August 17, 2022.

### **B. Next Meetings (John Ferguson)**

The next scheduled HCP Coordinating Committees meeting is on Tuesday, August 16, 2022, from 12:00 p.m. to 4:00 p.m., to be held in person at Douglas PUD Headquarters in East Wenatchee, Washington.

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<sup>1</sup> U.S. Geological Survey 12447200 Okanogan River at Malott Washington.

The September 27 and October 25, 2022, meetings will be held in person at Wanapum Dam, starting at 9:00 a.m. The November and December 2022 meetings will be by conference call, to be determined.

## **VII. List of Attachments**

Attachment A List of Attendees

Attachment B Rock Island Relicensing Timeline

## Attachment A

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| <b>Name</b>                   | <b>Organization</b>                             |
|-------------------------------|---|
| John Ferguson                 | Anchor QEA, LLC                                 |
| Kristi Geris                  | Anchor QEA, LLC                                 |
| Tracy Hillman <sup>††</sup>   | BioAnalysts                                     |
| Lance Keller <sup>*</sup>     | Chelan PUD                                      |
| Tom Kahler <sup>*</sup>       | Douglas PUD                                     |
| Andrew Gingerich <sup>*</sup> | Douglas PUD                                     |
| Scott Carlon <sup>*†</sup>    | National Marine Fisheries Service               |
| Jim Craig <sup>*</sup>        | U.S. Fish and Wildlife Service                  |
| Chad Jackson <sup>*</sup>     | Washington Department of Fish and Wildlife      |
| Keely Murdoch <sup>*</sup>    | Yakama Nation                                   |
| Kirk Truscott <sup>*†</sup>   | Confederated Tribes of the Colville Reservation |
| Curt Dotson <sup>∞</sup>      | Grant PUD                                       |

Notes:

- \* Denotes HCP Coordinating Committees member or alternate
- † Joined by phone
- †† Joined by phone for the HCP Hatchery and Tributary Committees update
- ∞ Joined for the Rocky Reach Dam Tour