

FINAL MEMORANDUM

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

From: John Ferguson, HCP Coordinating Committees
Chairman

Cc: Kristi Geris

Re: Final Minutes of the September 27, 2016, HCP Coordinating Committees
Conference Call

The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans (HCPs) Coordinating Committees met by conference call on Tuesday September 27, 2016, from 9:30 to 11:15 a.m. Attendees are listed in Attachment A to these conference call minutes.

ACTION ITEM SUMMARY

- Chelan PUD will provide a Rock Island Powerhouse 1 Maintenance Update during the next Coordinating Committees meeting (Item I-C).
 - Chelan PUD will provide a table and written explanation of the maintenance (upgrades) being proposed to the Federal Energy Regulatory Commission (FERC) for Rock Island Powerhouse 1 Units B1 to B4, including how the upgrades differ from current conditions, to Kristi Geris for distribution to the Coordinating Committees (Item I-C).
 - Chelan PUD will: 1) add details explaining subyearling Chinook salmon cumulative passage at Rocky Reach Dam in the Draft 2016 Rocky Reach and Rock Island Spill Report; 2) provide a revised draft for review and comment; and 3) request approval of the report during the Coordinating Committees meeting on October 25, 2016 (Item III-A). (*Note: Lance Keller provided a revised draft report for approval to Kristi Geris on October 24, 2016, which Geris distributed to the Coordinating Committees that same day.*)
 - Chelan PUD will incorporate edits received from the Yakama Nation (YN) and the Colville Confederated Tribes (CCT) into the Rocky Reach and Rock Island
-

Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) Statement of Agreement (SOA), will distribute the revised SOA, and request email approval by Friday, September 30, 2016 (Item III-B). *(Note: Lance Keller provided a revised SOA, as discussed, to Kristi Geris on September 28, 2016, which Geris distributed to the Coordinating Committees for approval that same day.)*

- Bob Rose will discuss data and calculations used to derive new coho salmon phase designations during the Coordinating Committees meeting on November 15, 2016 (Item III-C).
- Chelan PUD will request approval during the Coordinating Committees meeting on October 25, 2016, to begin the 2016/2017 adult fish ladder winter maintenance work period at Rocky Reach Dam 3 weeks early; rather than beginning January 2, 2017, the new start would be December 12, 2016 to allow more time to complete an overhaul of one (of three) auxiliary water supply (AWS) pumps (Item III-E).
- Jim Craig will ask Greg Fraser (U.S. Fish and Wildlife Service [USFWS]) if he is available to share his presentation on Entiat River History and Impacts to Chinook Salmon during the Coordinating Committees in-person meeting on October 25, 2016 (Item IV-B). *(Note: Craig contacted Fraser following the meeting on September 27, 2016, and Fraser indicated he can present during the meeting on October 25, 2016.)*
- **The Coordinating Committees meeting on October 25, 2016, will be held in-person at the Grant PUD office in Wenatchee, Washington (Item IV-B).**

DECISION SUMMARY

- Rocky Reach and Rock Island HCP Coordinating Committees representatives approved the Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA, as revised, via email, on September 29, 2016 (Item III-B).

AGREEMENTS

- There were no agreements discussed during today's conference call.
-

REVIEW ITEMS

- Kristi Geris sent an email to the Coordinating Committees on August 10, 2016, notifying them that a Wells Project Land-use Permit Application (City of Pateros) was available for a 60-day review period, with comments due to Tom Kahler by Monday, October 10, 2016.
- Kristi Geris sent an email to the Coordinating Committees on September 6, 2016, notifying them that a Wells Project Land-use Permit Application (Thomason) was available for a 60-day review period, with edits and comments due to Tom Kahler by Friday, November 4, 2016.
- Kristi Geris sent an email to the Coordinating Committees on October 6, 2016, notifying them that the Draft Wells Post-Season Bypass Report and Passage-Dates Analysis was available for a 60-day review period, with edits and comments due to Tom Kahler by Monday, December 5, 2016.

FINALIZED DOCUMENTS

- There are no documents that have been recently finalized.

I. Welcome

A. *Review Agenda (John Ferguson)*

John Ferguson welcomed the Coordinating Committees and asked for any additions or changes to the agenda. Tom Kahler added a debrief on the review of the HCP Coordinating Committees' Chairperson.

B. *Meeting Minutes Approval (John Ferguson)*

The Coordinating Committees reviewed the revised draft August 23, 2016, meeting minutes. Kristi Geris said all comments and revisions received from members of the Committees were incorporated into the revised minutes. Coordinating Committees members present approved the August 23, 2016, meeting minutes, as revised. The National Marine Fisheries Service (NMFS) abstained, because a NMFS representative was not present during the August 23, 2016, conference call.

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

Action items from the Coordinating Committees meeting on August 23, 2016, and follow-up discussions, were as follows. (*Note: italicized text corresponds to agenda items from the meeting on August 23, 2016*):

- *Chelan PUD will provide a Rock Island Powerhouse 1 Maintenance Update during the next Coordinating Committees meeting (Item I-C).*

This will be discussed during today's conference call, and will also be carried forward.

- *Chelan PUD will provide a table and written explanation of the maintenance (upgrades) being proposed to the Federal Energy Regulatory Commission (FERC) for Rock Island Powerhouse 1 Units B1 to B4, including how the upgrades differ from current conditions, to Kristi Geris for distribution to the Coordinating Committees (Item I-C).*

Lance Keller said this item is outstanding, and explained that the table and written explanation will ultimately be included in the final submittal to FERC. He said Chelan PUD expects to complete this item in a couple of months and requested to carry the action item forward.

- *Coordinating Committees representatives will submit edits and comments on the Draft Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) Statement of Agreement (SOA) to Lance Keller by September 15, 2016 (Item III-A).*

This will be discussed during today's conference call.

- *Chelan PUD will contact Scott Carlon regarding the Draft Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA, which Chelan PUD will request approval on during the Coordinating Committees meeting on September 27, 2016 (Item III-A).*

Lance Keller said he discussed this with Carlon yesterday, on September 26, 2016.

This will be discussed further during today's conference call.

- *Chelan PUD will provide a Draft 2016 Rocky Reach and Rock Island Spill Report, including a passive integrated transponder (PIT)-tag analysis, to Kristi Geris for distribution to the Coordinating Committees prior to the Coordinating Committees meeting on September 27, 2016 (Item III-B).*

Lance Keller provided the draft report and PIT-tag analysis to Geris on

September 26, 2016, which Geris distributed to the Coordinating Committees that same day. This will be discussed further during today's conference call.

- *Chelan PUD will incorporate edits and comments received from the CCT, including a PIT-tag analysis, into the next weekly Rocky Reach Dam Fish Count Update related to the orifice gate (OG) closure (Item III-D).*

Lance Keller provided this update, as described, to Kristi Geris on August 25, 2016, which Geris distributed to the Coordinating Committees on August 29, 2016.

- *John Ferguson will contact Denny Rohr (Priest Rapids Coordinating Committee [PRCC] Facilitator) to: 1) notify the PRCC the Coordinating Committees meeting on September 27, 2016, will be held via conference call, as a courtesy for planning PRCC meeting logistics; 2) obtain access to the Grant PUD Wenatchee Office for the Coordinating Committees meeting on October 25, 2016; and 3) coordinate November and December 2016 meetings dates to further discuss with Tracy Hillman and the HCP Hatchery Committees (Item V-A).*

Ferguson discussed these items with Rohr following the meeting on August 23, 2016. Ferguson said Rohr will provide him with the key to the Grant PUD office for the October 25, 2016, meeting. Ferguson also said, to accommodate the holidays, the Coordinating Committees November and December meetings will be held on November 15 and December 13, 2016, respectively. He said the meeting on October 25, 2016, will start at 9:30 a.m., per usual. He suggested the Coordinating Committees discuss at a later date possibly changing to an earlier start time to accommodate PRCC meetings in the afternoon of the same day.

II. HCP Tributary and Hatchery Committees Update

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

Tracy Hillman updated the Coordinating Committees on the following actions and discussions that occurred during the HCP Hatchery Committees conference call on September 21, 2016.

- *USFWS Bull Trout Consultation Update:* USFWS distributed a draft of the Biological Opinion (BiOp) covering hatchery programs in the Wenatchee Basin to the applicants for a 3-week review, with comments due on September 29, 2016. Some members requested additional time for review, so those members were asked to coordinate
-

with USFWS to extend the review deadline. The draft memo regarding the Methow Spring Chinook Salmon BiOp is under internal review and will be distributed to applicants for review.

- *NMFS Consultation Update:* The Wenatchee Steelhead BiOp was issued to applicants; however, the Section 10 permit has not been issued and is pending completion of the Section 7 consultation with USFWS. Regarding the Methow Spring Chinook Salmon Consultation, a draft Environmental Assessment has been distributed to the applicants, which is part of the National Environmental Policy Act process, which is part of the BiOp. Regarding the draft Methow Steelhead Adult Management Plan, NMFS and Washington Department of Fish and Wildlife (WDFW) are working to develop gene flow guidelines; after these have been developed, members will receive a draft for review. NMFS expects to complete the Okanogan Steelhead Tribal Resource Management Plan by the end of 2016.
 - *Review Hatchery Monitoring & Evaluation (M&E) Plan Draft Appendices:* The final appendix to the Hatchery M&E Plan was further discussed (Stray Rate Objectives). Recall, the HCP Hatchery Committees have been discussing management strays and genetic out-of-population and within-population strays. After a long discussion on how to define management strays, most representatives present generally concurred with setting a minimum acceptable level of 90% of the spawning escapement homing back to the stream in which they were released as juveniles, unless the HCP Hatchery Committees adjust that level based on stock-specific percent hatchery-origin spawners and proportionate natural influence. Therefore, a maximum of 10% of the spawning escapement may spawn in non-target streams. Grant PUD and the CCT requested additional time for internal review of these metrics. The genetic out-of-population and within-population strays follow the Interior Columbia River Basin Technical Recovery Team criteria from 2007.
 - *Embryonic Imprinting:* Recall the HCP Hatchery Committees discussing earlier this year possibly testing embryonic imprinting or sequential imprinting to increase homing to particular areas (e.g., Chewuch River adults returning to the Chewuch River instead of the Methow River). Some representatives visited the Issaquah Hatchery, the location of an ongoing embryonic imprinting study. Due to other time-sensitive discussions, the HCP Hatchery Committees had not yet fully
-

addressed this topic, and representatives agreed to restart these discussions in October 2016. Roger Tabor (USFWS), a participant in the Issaquah Hatchery study, may attend the HCP Hatchery Committees meeting on October 19, 2016, to help address stray management. John Ferguson asked if Issaquah Hatchery is the only location testing these imprinting techniques. Hillman said Issaquah Hatchery is conducting embryonic testing, and hatcheries in the Yakima River Basin may be conducting sequential imprinting; however, he is unsure if there are other hatcheries conducting embryonic imprinting studies. He said the HCP Hatchery Committees will likely learn more after discussing this topic with Tabor.

- *Next Steps:* The next meeting of the HCP Hatchery Committees will be on October 19, 2016.

Hillman updated the Coordinating Committees on the following actions and discussions that occurred during the last HCP Tributary Committees meeting on September 8, 2016.

- *Review of Middle Entiat 80% Restoration Plans:* The Chelan-Douglas Land Trust asked the HCP Tributary Committees to review the 80% Middle Entiat River Restoration Plans. In January 2016, the HCP Tributary Committees reviewed the 60% designs and concluded they were appropriate. The Bureau of Reclamation has since revised the designs; therefore, additional feedback was requested. The HCP Tributary Committees reviewed and approved the 80% designs (only reviewed two parcels).
 - *General Salmon Habitat Program Application:* The Okanagan Nation Alliance submitted an application titled, Fish Passage at Ellis Creek Sediment Basin. The purpose of the project is to provide fish passage at the lower end of Ellis Creek, which would open 2.5 miles of stream to salmonids. The total cost of the project is \$185,638, and the sponsor requested \$39,784 from HCP Tributary Funds. After a long discussion, the HCP Tributary Committees declined to fund the project. They believe this project has limited biological benefit compared to other projects, and because Ellis Creek is an urban stream, it has limited spawning and rearing habitat compared to the cost. The HCP Tributary Committees recommended the sponsor focus on enhancement of other areas.
-

- *Monitoring Beaver Reintroductions:* In July 2016, the Rock Island HCP Tributary Committee agreed to fund the Beaver Fever Project submitted by Trout Unlimited. The purpose of this project was to reestablish beavers and install beaver dam analogs (BDAs) in tributaries of the Wenatchee River Basin. In September 2016, the HCP Tributary Committees discussed the lack of information available about the effects of beaver relocation activities on salmonids, and asked Trout Unlimited to submit a monitoring proposal. Trout Unlimited indicated they would think about it, and if they could not conduct all phases of monitoring themselves, they would team with an appropriate entity. Bob Rose said he thought this type of research has been ongoing for a while (via the Salmon Recovery Board and Regional Fisheries Enhancement Group). Hillman said the HCP Tributary Committees discussed this, and as he understands, the CCT were a major funder of the monitoring work in the Methow Basin. He said the CCT are not obtaining data on responses of salmonids; rather, the monitoring entities are reporting effects of beavers on temperature and other habitat parameters. Rose said he believes the Regional Fisheries Enhancement Group have been monitoring effects on fish in the Yakima River Basin for more than 5 years, and added that he will look further into this. Jeff Korth said this project has been ongoing in the Methow River Basin since about 2008, and is supervised by WDFW. He said one reason the monitoring has not been working as planned is because once beavers are translocated, they either leave or die. He added that beavers will populate an area if they want to. He said the project is still funded by the Methow Salmon Recovery Foundation and will continue until at least the end of June 2017. He said the evaluation part has not yet materialized. Ferguson asked if the John Day Basin monitoring data are applicable to the Upper Columbia Basin, or are the systems are too different. Hillman said the latter. He added that the HCP Tributary Committees understand the results from beaver reintroduction work in the John Day Basin (specifically Bridge Creek); however, those are incised, desert-type streams versus more forested areas in the Methow River Basin. He also noted that the Rock Island HCP Tributary Committee will only fund the BDA portion of the Beaver Fever Project, and not the relocation of beavers; therefore, the monitoring proposal will only be for BDA effects on salmon, not on the effects of beavers on salmon.
-

- *Next Steps:* The next meeting of the HCP Tributary Committees will be on November 10, 2016. The HCP Tributary Committees will tour projects on the Okanagan River on October 12 and 13, 2016. Hillman asked if any CC members are planning to attend.

III. Chelan PUD

A. Draft 2016 Rocky Reach and Rock Island Spill Report (Thad Mosey)

The Draft 2016 Rocky Reach and Rock Island Spill Report (Attachment B) and Subyearling PIT-Tag Analysis to Rocky Reach Dam (Attachment C) were distributed to the Coordinating Committees by Kristi Geris on September 26, 2016. Lance Keller said Thad Mosey (Chelan PUD Fish Biologist) will first review the draft spill report, and then Keller will briefly review the PIT-tag analysis.

Mosey reviewed Attachment B. John Ferguson asked about the subyearling Chinook salmon cumulative passage of 91.4%, listed under summer spill at Rocky Reach Dam during 2016. Keller recalled that the Columbia River Data Access in Real Time (DART) database continually adjusts and recalculates run-timing estimates on a daily basis as daily index count data are added to the database. He said, based on initial DART estimates, it seemed spill operations at Rocky Reach Dam would meet the 95% passage criteria by initiating spill at 0000 hours on May 29, 2016, as the current passage estimate was 3.30%. He said, however, the adjusted estimate indicated a larger portion of the juvenile subyearling Chinook salmon run passed Rocky Reach Dam earlier in the season, resulting in spill being initiated after 7.99% of the subyearling run had passed, and a total cumulative passage of only 91.4%. He said essentially, the 95% passage target was missed by 1 day due to the DART estimate increasing 5.71% from May 27 to May 28, 2016 (i.e., would have been met had spill been initiated 1 day earlier). Kirk Truscott suggested including, in the spill report, an explanation similar to what Keller provided regarding subyearling Chinook salmon cumulative passage at Rocky Reach Dam.

Keller reviewed Attachment C, recalling that the purpose of this exercise was to determine whether travel-time data can be used to help guide when to initiate spill and meet the passage standard. He said Scott Hopkins (Chelan PUD Biologist) analyzed mean travel times

of hatchery summer Chinook salmon released upstream of Rocky Reach Dam. Keller recalled that hatchery releases upstream of Rocky Reach Dam determine when spill is initiated. He said hatchery counts decrease, then an unmarked population follows, and arrival timing at the dam for the wild component is assumed with high confidence. He said water temperature graphs were also developed (see bottom of Attachment C), which he said revealed nothing particular to note. He said, in summary, he did not see anything standing out in PIT-tag travel-time data in the last 2 to 5 years that gives indication of when fish may arrive at Rocky Reach Dam. He said the strategy at Rock Island Dam, after missing passage targets for sockeye salmon, was to use caution going forward and initiate spill earlier than normal, if needed. He said Chelan PUD plans to implement the same caution at Rocky Reach Dam.

Keller said Chelan PUD will: 1) add details explaining subyearling Chinook salmon cumulative passage at Rocky Reach Dam in the Draft 2016 Rocky Reach and Rock Island Spill Report; 2) provide a revised draft for review and comment; and 3) request approval of the report during the Coordinating Committees meeting on October 25, 2016. *(Note: Keller provided a revised draft report for approval to Geris on October 24, 2016, which Geris distributed to the Coordinating Committees that same day.)*

B. DECISION: Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA (Lance Keller)

Lance Keller said Kristi Geris sent an email to the Coordinating Committees on August 22, 2016, notifying them that the Draft Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA was available for review. Edits and comments were due to Keller by September 15, 2016. The CCT provided edits (Attachment D) prior to the meeting on September 27, 2016. Kirk Truscott said his edits are intended to clarify his expectations for activities between now and 2019. He said, rather than just modifying a study design, he would like the survival model to address the life history of subyearlings. Keller agreed with the CCT's edits, and noted that this draft SOA is written as such that these efforts will be undertaken by the entire Coordinating Committees. He added that convening periodic check-ins with the HCP and PRCC provides a good opportunity to accomplish the intention of the CCT's edits.

John Ferguson asked if the Coordinating Committees plan to track what John Skalski (Columbia Basin Research) is doing with the survival model, or plan to more proactively coordinate with Skalski about additional studies needed to inform the statistical models. Bob Rose said this is a great question, and noted that the same question was discussed in the Grant PUD forum. Rose also suggested another edit to the draft SOA (Attachment E), which was distributed to the Coordinating Committees by Geris following the meeting on September 27, 2016. Rose and Truscott agreed the intent of their respective edits was the same and would be supportive of including either version of their edits in the draft SOA for approval.

Chelan PUD will incorporate edits received from the YN and the CCT into the Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA, and will distribute the revised SOA, requesting email approval by Friday, September 30, 2016. *(Note: Keller provided a revised SOA, as discussed, to Geris on September 28, 2016, which Geris distributed to the Coordinating Committees for approval that same day.)*

Rocky Reach and Rock Island HCP Coordinating Committees representatives approved the Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA, as revised (Attachment F), via email, on September 29, 2016.

C. Rocky Reach and Rock Island Coho Phase Designation (Steve Hemstrom and Alene Underwood)

Steve Hemstrom said a Draft Estimation of Juvenile Coho Survival for Rocky Reach and Rock Island Projects (Attachment G) was distributed to the Coordinating Committees by Kristi Geris on September 22, 2016. Hemstrom said Attachment G is based on methods and data used by John Skalski and Rich Townsend (Columbia Basin Research) to estimate reach survival of PIT-tagged juvenile coho salmon, spring Chinook salmon, and steelhead released from Winthrop National Fish Hatchery to the Lower Columbia River. Hemstrom reviewed Table 1 in Attachment G, noting that the Rocky Reach and Rock Island Project coho salmon survival rates (94.56% and 94.95%, respectively) were calculated as the intermediate value between the combined multiyear-average survival rate for spring Chinook salmon and

steelhead.

Bob Rose said Skalski and Townsend's methods and data are also being discussed in the Grant PUD hatchery forum, and there are data that may not be used. Rose added that Keely Murdoch (YN HCP Hatchery Committees Alternate) has been more involved in these discussions than he has. Rose suggested discussing this with respective HCP Hatchery Committees representatives to gain a full understanding about this information.

John Ferguson asked about a timeline for those discussions with Grant PUD, because Attachment G is preceding a draft SOA from Chelan PUD. Rose said he is unsure of a timeline. Hemstrom asked if Rose knows which data are in question. Rose said yes; however, that information is not currently available. He said there is quite a bit. He said he is willing to further discuss this at another time, and his comment was not intended to slow progress down for Chelan PUD. Ferguson asked about a deadline for Chelan PUD.

Alene Underwood (Chelan PUD HCP Hatchery Committees Representative) said there is no hard deadline at this time. She said, in the interim, Chelan PUD will coordinate with Rose and others to obtain a better understanding of data that need further discussion. Underwood said the SOA is the first step in a larger process, and then Chelan PUD will discuss within the HCP Hatchery Committees what this means for Chelan PUD's No-Net-Impact mitigation. She said she hoped this discussion would be ready for the HCP Hatchery Committees by the end of 2016 or beginning of 2017.

Rose said he will discuss this further with Murdoch to determine a recommendation to move forward. Ferguson asked if this discussion will continue within the PRCC soon, and Rose said the YN are just now developing some principles with Grant PUD on how to move forward. Rose said he will discuss data and calculations used to derive new coho salmon phase designations during the Coordinating Committees meeting on November 15, 2016.

Underwood asked if other Coordinating Committees representatives have questions or comments at this time. Jeff Korth said WDFW has a few editorial suggestions, and he will send those to Hemstrom. Korth also asked why Attachment G requires Coordinating Committees approval prior to the HCP Hatchery Committees. Underwood explained that Chelan PUD first needs to understand the survival estimate and what

numbers are passing through the projects to determine what the hatchery compensation would be.

D. Rock Island Powerhouse 1 Maintenance Update (Lance Keller)

Lance Keller said the design is still moving forward, and he has nothing new to report at this time.

E. 2016/2017 Rocky Reach Adult Ladder Winter Maintenance Outage (Lance Keller)

Lance Keller said there are extensive maintenance items planned for this year. He said one item is continuing maintenance on the adult AWS. He recalled the AWS is a gravity system where water from the forebay is used to drive three pumps that pump AWS water from the tailrace into the collection system to maintain proper head differentials on the ladder entrances. He said preventative maintenance was conducted 5 years ago, and now Chelan PUD plans to begin an overhaul on the first of three AWS pumps. He recalled the unanticipated delays last year with the Rock Island Dam right fish ladder sluice gate, RO4, and said, as a cautionary measure, Chelan PUD would like to request an earlier outage than normal for work on the AWS. He said the typical outage is January 1 through February 28, but this year, Chelan PUD is asking to take the ladder offline on December 12, 2016, to allow an early start on the AWS pump teardown, as well as other maintenance items. He said the contractor repairing the AWS pump is located in Spokane, Washington. He said there is a little cushion built into this year's winter outage schedule in case unanticipated delays are encountered. He said, if everything is completed ahead of time, the ladder may be brought back online earlier than the end of February 2017. He said there may also be time to repair two AWS pumps during the 2017/2018 outage, which would avoid an early outage for a third year in a row. He said Chelan PUD Planners are fairly confident that could happen.

John Ferguson asked how reliable the contractor in Spokane is, and Keller said Chelan PUD uses this contractor quite often. Keller said Chelan PUD has a higher level of confidence in this contractor solely because the work will be conducted in Washington State, opposed to across the country (as was the contractor for the RO4 gate).

Chelan PUD will request approval during the Coordinating Committees meeting on October 25, 2016, to begin the 2016/2017 adult fish ladder winter maintenance work period

at Rocky Reach Dam 3 weeks early. Rather than beginning January 2, 2017, the new start would be December 12, 2016, to allow more time to complete an overhaul of one (of three) AWS pumps.

IV. HCP Administration

A. Review of the HCP Coordinating Committees' Chairperson (Tom Kahler)

Tom Kahler said there is a requirement in the HCPs to review the performance of the Chairperson every 3 years. He said August 2016 was the deadline to conduct the review again. He said the HCP Committees conduct an informal review requesting representatives' input on the performance of the Chairperson. He said this year's review was conducted via email. He said all parties are pleased with John Ferguson's and Kristi Geris' performance and would like to continue their Chairperson and support terms for another 3 years. Kahler said there are parallel processes for the HCP Tributary and Hatchery Committees. He said he is not sure if the HCP Hatchery Committees Chairperson review is complete, and said he will follow-up with Greg Mackey (Douglas PUD HCP Hatchery Committees Representative). Kahler said the HCP Tributary Committees reviewed and extended Tracy Hillman's role as Chairperson. Ferguson thanked Kahler for the update, and asked if any action was needed by Anchor QEA, LLC, to memorialize this review. Kahler said documenting this discussion in the meeting minutes should suffice for the administrative record.

B. Next Meetings

The next scheduled Coordinating Committees meeting is on October 25, 2016, to be held in-person at the Grant PUD Wenatchee Office in Wenatchee, Washington. Jim Craig will ask Greg Fraser if he is available to share his presentation on Entiat River History and Impacts to Chinook Salmon, during the Coordinating Committees in-person meeting on October 25, 2016. *(Note: Craig contacted Fraser following the meeting on September 27, 2016, and Fraser indicated he can present during the meeting on October 25, 2016.)*

The November 15 and December 13, 2016, meetings will be held by conference call, or in-person at the Grant PUD Wenatchee Office in Wenatchee, Washington, as is yet to be determined

V. List of Attachments

Attachment A	List of Attendees
Attachment B	Draft 2016 Rocky Reach and Rock Island Spill Report
Attachment C	Subyearling PIT-Tag Analysis to Rocky Reach Dam
Attachment D	Draft Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA – CCT edits
Attachment E	Draft Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA – YN edits
Attachment F	Final Rocky Reach and Rock Island Subyearling Chinook Salmon Phase III Designation (Additional Juvenile Studies) SOA
Attachment G	Draft Estimation of Juvenile Coho Survival for Rocky Reach and Rock Island Projects

Attachment A
List of Attendees

Name	Organization
John Ferguson	Anchor QEA, LLC
Kristi Geris	Anchor QEA, LLC
Tracy Hillman†	BioAnalysts
Lance Keller*	Chelan PUD
Alene Underwood††	Chelan PUD
Steve Hemstrom*††	Chelan PUD
Thad Mosey†††	Chelan PUD
Tom Kahler*	Douglas PUD
Scott Carlon*	National Marine Fisheries Service
Jim Craig*	U.S. Fish and Wildlife Service
Jeff Korth*	Washington Department of Fish and Wildlife
Kirk Truscott*	Colville Confederated Tribes
Bob Rose*	Yakama Nation

Notes:

- * Denotes Coordinating Committees member or alternate
 - † Joined for the HCP Tributary and Hatchery Committees Update
 - †† Joined for the Rocky Reach and Rock Island Coho Phase Designation discussion
 - ††† Joined for the Draft 2016 Rocky Reach and Rock Island Spill Report discussion
-