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FINAL MEMORANDUM

To: Wells, Rocky Reach, and Rock Island HCPs Coordinating Committees **Date:** February 25, 2015

From: Michael Schiewe, Chair

Cc: Kristi Geris

Re: Final Minutes of the January 27, 2015 HCPs Coordinating Committees Meeting

The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans (HCPs) Coordinating Committees met at the Radisson Gateway Hotel, in SeaTac, Washington, on Tuesday, January 27, 2015, from 9:30 am to 12:00 pm. Attendees are listed in Attachment A of these meeting minutes.

ACTION ITEM SUMMARY

Documents for review by Tuesday, February 10, 2015	Distributed
Draft 2015 Wells Bypass Operating Plan/Gas Abatement Plan (Item II-D)	1/9/2015
Draft 2014 Wells Post-Season Bypass Report and Revised Draft Wells Passage-Dates Analysis (Item II-B)	1/16/2015
Draft 2015 Rocky Reach and Rock Island Spill Plan (Item III-C)	1/23/2015
Draft 2015 Rocky Reach Juvenile Fish Bypass System Operations Plan (Item III-D)	1/23/2015
Draft 2015 Rock Island Bypass Monitoring Plan (Item III-D)	1/23/2015
Revised Draft 2015 Wells HCP Action Plan (Item II-C)	1/27/2015
Draft 2015 Rocky Reach and Rock Island HCP Action Plan (Item III-B)	1/27/2015

- Douglas PUD will provide the revised draft 2015 Wells HCP Action Plan to Kristi Geris for distribution to the Coordinating Committees (Item II-C). *(Note: Tom Kahler provided the revised draft plan to Geris following the meeting on January 27, 2015, which Geris distributed to the Coordinating Committees that same day.)*
 - Chelan PUD will provide the Colville Confederated Tribes' (CCT's) comments on the draft Rocky Reach Total Dissolved Gas (TDG): Step One, Year Five Compliance Report to Kristi Geris for distribution to the Coordinating Committees (Item III-A). *(Note: the CCT's comments, along with Chelan PUD's response, were included in Appendix A of the final report that was provided by Marcie Steinmetz [Chelan PUD])*
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on January 30, 2015, and distributed to the Coordinating Committees by Geris that same day.)

- Kristi Geris will coordinate with Alene Underwood (Chelan PUD HCP Hatchery Committees Representative) regarding distributing the draft 2015 Rocky Reach and Rock Island HCP Action Plan to the HCP Hatchery Committees (Item III-B). *(Note: Geris distributed the draft plan to the HCP Hatchery Committees following the meeting on January 27, 2015, per Underwood's direction.)*
- The U.S. Fish and Wildlife Service (USFWS) will provide Chelan PUD with fork lengths of Entiat subyearling Chinook salmon (Item III-C). *(Note: Jim Craig provided these lengths to Lance Keller and the Coordinating Committees Technical Representatives following the meeting on January 27, 2015.)*
- Chelan PUD will provide the draft 2014 Rocky Reach and Rock Island Juvenile Bypass Study Plan Reports for review, which will include 2013 data (Item III-D).
- Lance Keller will coordinate with the Chelan PUD HCP Hatchery Committees representatives regarding Tumwater fishway repairs (Item III-F).

DECISION SUMMARY

- The Coordinating Committees representatives present approved the Rocky Reach TDG: Step One, Year Five Compliance Report (Item III-A).

AGREEMENTS

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

REVIEW ITEMS

- Kristi Geris sent an email to the Coordinating Committees on January 9, 2015, notifying them that the draft 2015 Wells Gas Abatement Plan (GAP)/Bypass Operating Plan (BOP) was available for review. Edits and comments on the draft plan are due to Tom Kahler and Andrew Gingerich (Douglas PUD) by Tuesday, February 10, 2015 (Item II-D).
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- Kristi Geris sent an email to the Coordinating Committees on January 16, 2015, notifying them that the draft 2014 Wells Post-Season Bypass Report, including a revised draft 2014 Wells Passage-Dates Analysis, was available for review. Edits and comments on the draft report are due to Douglas PUD by Tuesday, February 10, 2015 (Item II-B).
 - Kristi Geris sent an email to the Coordinating Committees on January 23, 2015, notifying them that the draft 2015 Rocky Reach and Rock Island Spill Plan was available for review. Edits and comments on the draft plan are due to Chelan PUD by Tuesday, February 10, 2015 (Item III-C).
 - Kristi Geris sent an email to the Coordinating Committees on January 23, 2015, notifying them that the draft 2015 Rocky Reach Juvenile Fish Bypass System Operations Plan was available for review. Edits and comments on the draft plan are due to Chelan PUD by Tuesday, February 10, 2015 (Item III-D).
 - Kristi Geris sent an email to the Coordinating Committees on January 23, 2015, notifying them that the draft 2015 Rock Island Bypass Monitoring Plan was available for review. Edits and comments on the draft plan are due to Chelan PUD by Tuesday, February 10, 2015 (Item III-D).
 - Kristi Geris sent an email to the Coordinating Committees on January 27, 2015, notifying them that the revised draft 2015 Wells HCP Action Plan was available for review. Edits and comments on the draft plan are due to Douglas PUD by Tuesday, February 10, 2015 (Item II-C).
 - Kristi Geris sent an email to the Coordinating Committees on January 27, 2015, notifying them that the draft 2015 Rocky Reach and Rock Island HCP Action Plan was available for review. Edits and comments on the draft plan are due to Chelan PUD by Tuesday, February 10, 2015 (Item III-B).
 - Kristi Geris sent an email to the Coordinating Committees on February 9, 2015, notifying them that the draft 2014 Wells HCP Annual Report was available for review, with edits and comments due to her by Monday, March 9, 2015.
 - Kristi Geris sent an email to the Wells HCP Coordinating Committee on February 19, 2015, notifying them that the draft 2015 Broodstock Collection Protocols was available for review, with edits and comments due to Mike Tonseth by Friday, March 6, 2015.
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- Kristi Geris sent an email to the Coordinating Committees on February 19, 2015, notifying them that the draft 2014 Rocky Reach and Rock Island HCP Annual Reports were available for review, with edits and comments due to her by Wednesday, March 18, 2015.

DOCUMENTS FINALIZED

- The final Rocky Reach TDG: Step One, Year Five Compliance Report was distributed to the Coordinating Committees by Kristi Geris on January 30, 2015 (Item III-A).

I. Welcome

A. Review Agenda (Mike Schiewe)

Mike Schiewe welcomed the Coordinating Committees and asked for any additions or other changes to the agenda. The following additions were requested:

- Lance Keller added an update on Rocky Reach Dam and Rock Island Dam adult fishway annual maintenance.
- Tom Kahler added updates on: 1) the 2014 Wells Plan Species Account Annual Report; and 2) modifications to the low-level side entrance at the Wells Dam adult fishway.

B. Meeting Minutes Approval (Mike Schiewe)

The Coordinating Committees reviewed the revised draft joint HCP Policy and Coordinating Committees November 6, 2014 conference call minutes. Kristi Geris said that all comments and revisions received from members of the Committees were incorporated in the revised minutes, and that there were no outstanding edits or questions to discuss. Coordinating Committees members present approved the joint HCP Policy and Coordinating Committees November 6, 2014 conference call minutes, as revised.

The Coordinating Committees reviewed the revised draft November 18, 2014 conference call minutes. Geris said that all comments and revisions received from members of the Committees were incorporated in the revised minutes. She noted one clarification that was added to the revised minutes after they were distributed to the Coordinating Committees,

regarding Chelan PUD's discussion of the draft Rocky Reach TDG Year Five Report. She said that Steve Hays (Chelan PUD) later clarified via email that Figures 2-3 and 2-4 in the draft report (i.e., daily passage counts of Chinook and sockeye salmon, respectively, at Rocky Reach Dam with spill pattern in effect that day) do not account for fish that "entered" the ladders (opposed to "passed through" the ladders, as previously reported) and did not pass the count window. Hays further explained that fish could have entered the fishway, but would not have been counted until they passed through the counting window. Thus, the count data are not a perfect temporal match to the spill pattern in effect at the time an individual fish may have found the entrance and entered the fishway. However, because it is believed that the majority of fish pass through the fishway on the same day that they enter, the comparison is considered useful, just not exact. Coordinating Committees members present approved the November 18, 2014 conference call minutes, as revised.

C. Last Meeting Action Items (Mike Schiewe)

Action items from the Coordinating Committees conference call on November 18, 2014, and follow-up discussions were as follows: *(Note: italicized item numbers below correspond to agenda items from the November 18, 2014 meeting.)*

- *Anchor QEA will coordinate with USFWS to resolve the last pending item from the Coordinating Committees revised draft October 28, 2014 conference call minutes; once resolved Kristi Geris will finalize the minutes and distribute them to the Coordinating Committees (Item I-B).*

Geris obtained clarification from Jim Craig on November 21, 2014, and distributed the final October 28, 2014 conference call minutes that same day.

- *Kristi Geris will contact Julene McGregor (Douglas PUD Information System Staff) to request read-only access to the final document library on the HCP Hatchery Committees Extranet site for Peter Graf (Grant PUD), as approved by the Coordinating Committees (Item I-D).*

Geris sent an email to McGregor on November 18, 2014, requesting access for Graf, as discussed.

- *Chelan PUD will provide 2013 and 2014 adipose (ad)-present steelhead fish passage data for Rock Island and Rocky Reach dams to Kristi Geris for distribution to the Coordinating Committees (Item II-A).*
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Lance Keller provided these data to Geris on January 23, 2015, which Geris distributed to the Coordinating Committees that same day.

- *Chelan PUD will request from the Washington State Department of Ecology (Ecology) an extension of the review period for the draft Rocky Reach TDG Year Five Report from 30 to 60 days, and will notify the Coordinating Committees whether the extension is granted (Item II-D).*

Ecology granted the extended review period with a new comment deadline of January 15, 2015, as distributed to the Coordinating Committees by Kristi Geris on November 26, 2014. This will be discussed further during today's meeting.

- *Coordinating Committees representatives will provide initial comments on the draft Rocky Reach TDG Year Five Report to Chelan PUD prior to the next Coordinating Committees meeting on December 16, 2014 (Item II-D).*

This will be discussed during today's meeting.

- *Douglas PUD will provide the draft 2014 Wells Post-Season Bypass Report for review to Kristi Geris for distribution to the Coordinating Committees (Item III-C).*

Douglas PUD provided the draft report, along with a revised draft Wells Passage-Dates Analysis, to Geris on January 16, 2015, which Geris distributed to the Coordinating Committees that same day. This will be discussed further during today's meeting.

- *The next Coordinating Committees meeting will be on December 16, 2014, and will be held by conference call (Item V-A).*

This meeting was canceled.

II. Douglas PUD

A. Methow River Coho Salmon Phase Designation Statement of Agreement (Tom Kahler)

Tom Kahler said that Douglas PUD and the Yakama Nation (YN) are still working to reach agreement on language in the revised draft Methow River Coho Salmon Phase Designation Statement of Agreement (SOA), which was last distributed to the Coordinating Committees by Kristi Geris on November 7, 2014. Kahler said that they have been meeting regularly and hope to reach agreement by the next Coordinating Committees meeting on February 24, 2015. Kirk Truscott asked what issues were causing the delays, and Kahler replied that there is no trouble with the substance of the SOA, just the wording. Kahler further explained that

the primary issue for both parties is certainty; the wording in the current draft apparently does not provide the degree of certainty that the YN desires.

B. Draft 2014 Wells Post-Season Bypass Report and Revised Draft Wells Passage-Dates Analysis (Tom Kahler)

Tom Kahler said that Douglas PUD drafts a Wells Post-Season Bypass Report each year. Also, beginning in 2011, Drs. John Skalski and Richard Townsend of Columbia Basin Research have developed a Wells Passage-Dates Analysis summarizing the performance of Wells Dam bypass operations for the current year. Kahler recalled that the draft 2014 Wells Passage-Dates Analysis, which was distributed to the Coordinating Committees by Kristi Geris on November 18, 2014, showed low passage compliance for yearling Chinook salmon in 2014; this prompted additional analyses to determine the basis for the low compliance.

Kahler said that a draft 2014 Wells Post-Season Bypass Report and a revised draft 2014 Wells Passage-Dates Analysis (in redline strikeout; Attachment B) were distributed to the Coordinating Committees by Geris on January 16, 2015. Kahler said that the revised analysis incorporated comments received from the CCT regarding Omak releases, as well as the results of the additional analyses of yearling Chinook salmon passage data. He said that an analysis of passive integrated transponder (PIT)-tag data revealed that the early detections at Rocky Reach Dam consisted of both hatchery and wild fish originating from below Wells Dam, primarily from the Entiat River. He handed out graphs depicting yearling Chinook salmon PIT-tag detection data at Rocky Reach Dam from 2010 through 2014 (Attachment C), which Geris distributed electronically to the Coordinating Committees following the meeting on January 27, 2014. Kahler said that he used these PIT-tag data to modify the draft 2014 Wells Passage-Dates Analysis, as reflected in Attachment B. He noted the revisions made to Table 3 in Attachment B to reflect the exclusion of below-Wells Chinook salmon from the analysis, which resulted in bypass passage for 98.03% of yearling Chinook salmon versus the previously reported 80.65%, which included Chinook salmon originating below Wells Dam.

Kahler also raised a question about the accuracy of the estimated 5-day average travel time between Rocky Reach Dam and Wells Dam that has been used in these annual analyses of

yearling Chinook salmon passage; Kahler said this is based on estimates from a 2010 survival verification study. He said that Douglas PUD is now investigating the possibility of installing a PIT-tag detection system in Wells Spillway 2, which would eliminate the need to rely on travel times estimated using only Rocky Reach Dam detections. Only spillways 2 and 10 are designed with flap gates for top spill, which may also be able to accommodate antennas for PIT-tag detection. He said that in the past, fyke net data showed that most fish pass Wells Dam via Spillway 2, providing an ideal situation for monitoring bypass effectiveness. He said that the flap gate in Spillway 2 is about 17 feet wide by about 8 feet tall. He said that Douglas PUD and Biomark plan to meet in February to discuss the feasibility of installing PIT-tag antennae equipment in the flap gate.

Jim Craig asked if they anticipate issues with interference from the metal gate, and Kahler replied that it was unknown, but new antenna technology has minimized such interference. Kahler added that velocity through the spillway is about 15 to 17 feet per second, which should by itself not be an issue. The detection system in the Rocky Reach Juvenile Fish Bypass System (RRJFBS) has similar velocities, and that system has performed well. He also added that Douglas PUD and Chelan PUD plan to update the readers at the RRJFBS, which have almost 100% detection for single fish; however, only about 80% for multiple fish passing at the same time. The updated readers planned for the RRJFBS are the same technology that may be applied to the detection system in Spillway 2 at Wells Dam. He said that evaluating the feasibility of this system is included in the draft 2015 Wells HCP Action Plan; if it is feasible, Douglas PUD would like to have the system in place by the 2016 bypass season.

Mike Schiewe asked about the 2012 data, which indicated all fish passing Rocky Reach Dam in about 2 days, as depicted in the 2012 yearling Chinook salmon PIT-tag detection data at Rocky Reach Dam (Attachment C). Kahler speculated that hatchery releases over a narrow window dominated the rest of the curve. Jeff Korth noted that 2012 was the first summer releases out of the Entiat River.

Kahler requested that Coordinating Committees representatives submit edits and comments on the draft 2014 Wells Post-Season Bypass Report and revised draft 2014 Wells Passage-

Dates Analysis to him by Tuesday, February 10, 2015. He noted that Figure 1a in Attachment B will be updated to include the curve resulting from the exclusion of below-Wells yearling Chinook salmon from the analysis.

C. Draft 2015 Wells HCP Action Plan (Tom Kahler)

Tom Kahler said that a draft 2014 Wells HCP Action Plan was distributed to the Coordinating Committees by Kristi Geris on January 16, 2015; however, since that time, the draft plan has been revised. Kahler handed out a revised draft 2015 Wells HCP Action Plan, which he said he would provide to Geris to distribute electronically to the Coordinating Committees. He said that regarding the Coordinating Committees section of the draft plan, revisions included a minor title change and an additional date under the Pikeminnow Control Program. *(Note: Kahler provided the revised draft plan to Geris following the meeting on January 27, 2015, which Geris distributed to the Coordinating Committees that same day.)*

Mike Schiewe explained that this plan is developed at the beginning of each year, and includes activities for all three HCP Committees. He said that the plan is also reviewed and approved by all three HCP Committees. He added that the plan is not a requirement of the HCPs; rather, it is intended for managing in-house activities. Kahler requested that Coordinating Committees representatives submit edits and comments on the revised draft 2015 Wells HCP Action Plan to him by Tuesday, February 10, 2015. He said that Douglas PUD will request approval of the draft plan during the next Coordinating Committees meeting on February 24, 2015.

D. Draft 2015 Wells Bypass Operating Plan/Gas Abatement Plan (Tom Kahler)

Tom Kahler said that the draft 2015 Wells GAP/BOP was distributed to the Coordinating Committees by Kristi Geris on January 9, 2015. Kahler said that approval of the draft plan is needed no later than the next Coordinating Committees meeting on February 24, 2015, in order to meet a deadline for submission to the Federal Energy Regulatory Commission (FERC). He said that the draft plan, a requirement of the Wells Hydroelectric Project Clean Water Act Section 401 Certification, is developed by Andrew Gingerich, Douglas PUD Aquatic Settlement Work Group (SWG) Technical Representative. Kahler said that the draft

2015 plan is essentially the same as the 2014 plan, including the section about Spillbays 4 and 7. He further explained that in 2014, concentrated spill was met using Spillbays 5 and 4 because unit 7 was being rebuilt. He said that unit 7 has now been in operation for several weeks and appears to be running well; however, the Spill Playbook is still written to allow concentrated spill through Spillbays 4, 5, and 6 in case there are issues with unit 7.

Mike Schiewe said that the draft plan will be up for approval during the next Aquatic SWG meeting on February 11, 2015. He said that Pat Irle, formerly the Ecology Aquatic SWG Technical Representative, has typically played a key role in the review of this plan. Schiewe said, however, that Irle has recently left Ecology, but Charlie McKinney (Ecology) indicated that Ecology is aware of the FERC deadline and still plans a rigorous review of the plan. Kahler requested that Coordinating Committees representatives submit edits and comments on the draft 2015 Wells GAP/BOP to him by Tuesday, February 10, 2015. He said that Douglas PUD will request approval of the draft plan during the next Coordinating Committees meeting on February 24, 2015.

E. 2014 Wells Plan Species Account Annual Report (Tom Kahler)

Tom Kahler said that the 2014 Wells Plan Species Account Annual Report was distributed to the Coordinating Committees by Kristi Geris on January 22, 2015. Kahler said that at the beginning of 2014, the Wells Plan Species Account balance was \$1,096,267.79. He said that 2014 contributions (including interest) totaled \$256,160.21, and disbursements totaled \$30,837.63, resulting in an ending balance of \$1,321,590.37. He said that Douglas PUD contributions in January 2015 totaled an additional \$258,455.33, which will be deposited in the Wells Tributary Account.

F. Modifications to the Low-Level Side Entrance at the Wells Dam Adult Fishway (Tom Kahler)

Tom Kahler said that in early-December 2014, the east fishway at Wells Dam was dewatered for the annual winter maintenance, which included reopening the low-level side entrance to improve lamprey passage at Wells Dam. He said that when the low-level side entrance was opened, it was discovered that the area behind the entrance was full of silt. He said that it was determined that the silt would need to be removed before the "lamprey box" was installed, and the most efficient way to remove the silt was to re-water the ladder and

suction out the silt, and then dewater again to install the lamprey box. Therefore, he said the plan now is to: 1) re-water the east fishway so that divers can suction out the silt, and then return the fishway back into service; 2) dewater the west fishway to perform routine maintenance and suction the silt out of the low-level entrance, and install the lamprey box, and then return the fishway back into service; and 3) dewater the east fishway again and install the lamprey box. Kahler said that Douglas PUD is trying to schedule these activities so that the divers can conduct their work in a single mobilization. He said that the materials for the lamprey boxes are expected onsite this week. He recalled that these modifications need to be installed prior to Douglas PUD's Aquatic SWG radio-telemetry lamprey study scheduled for this summer. He said that the second dewatering of the east fishway will likely take place in late-February, and that hopefully these modifications can be completed without needing to extend the winter outage season. He added that during these activities, at least one fish ladder will remain open at Wells Dam. Jim Craig asked if the silt will need to be routinely flushed out of the area. Kahler replied that the lamprey box was redesigned to flush silt through drain holes in both corners of the steel plate.

III. Chelan PUD

A. Draft Rocky Reach Total Dissolved Gas: Step One, Year Five Compliance Report (Lance Keller)

Lance Keller said that the draft Rocky Reach TDG: Step One, Year Five Compliance Report was distributed to the Coordinating Committees by Kristi Geris on November 17, 2014, with comments and edits due to Chelan PUD by December 16, 2014. Keller said that comments were received from the CCT, which were incorporated into the draft report. Jeff Korth asked if the CCT's comments were distributed to the Coordinating Committees, and Keller said that Chelan PUD will provide the CCT's comments on the draft report to Geris for distribution to the Coordinating Committees. Keller added that the CCT's comments did not significantly change any aspect of the report. Kirk Truscott also added that Marcie Steinmetz contacted him regarding his comments, and he was confident they were addressed in the draft report. The Coordinating Committees representatives present approved the Rocky Reach TDG: Step One, Year Five Compliance Report. *(Note: the CCT's comments, along with Chelan PUD's response, were included in Appendix A of the final report [Attachment D] that was provided by Steinmetz on January 30, 2015, and distributed to the Coordinating Committees by Geris that same day.)*

B. Draft 2015 Rocky Reach and Rock Island HCP Action Plan (Lance Keller)

Lance Keller said that the draft 2015 Rocky Reach and Rock Island HCP Action Plan was distributed to the Coordinating Committees by Kristi Geris prior to the meeting on January 27, 2015. Keller said that the Coordinating Committees portion of the draft plan is the same as last year's, with the exception of the extended September bypass operations, which were completed. He requested that Coordinating Committees representatives submit edits and comments on the draft 2015 Rocky Reach and Rock Island HCP Action Plan to him by Tuesday, February 10, 2015. He said that Chelan PUD will request approval of the draft plan during the next Coordinating Committees meeting on February 24, 2015.

Geris indicated that she will coordinate with Alene Underwood regarding distributing the draft plan to the HCP Hatchery Committees. *(Note: Geris distributed the draft plan to the HCP Hatchery Committees following the meeting on January 27, 2015, per Underwood's direction.)*

C. Draft 2015 Rocky Reach and Rock Island Spill Plan (Lance Keller)

Lance Keller said that the draft 2015 Rocky Reach and Rock Island Spill Plan was distributed to the Coordinating Committees by Kristi Geris on January 23, 2015. Keller said that Thad Mosey, Chelan PUD Spill Coordinator, developed the draft plan using last year's plan as a template. Keller recalled that last year, the Coordinating Committees approved this same plan; however, because of the emergency drawdown of the Wanapum Reservoir, both Rocky Reach and Rock Island dams were operated under the Interim Fish Passage Plan (IFPP). He said that based on the current status and progress of the repairs at Wanapum Dam, Chelan PUD is confident that in 2015, Rocky Reach and Rock Island dams will be operated under the 2015 Rocky Reach and Rock Island Spill Plan.

Jim Craig noted that the fork lengths for subyearling Chinook salmon that were reported in the draft plan seemed large (i.e., 76 to 150 millimeters [mm]); he said that fork lengths of subyearling Chinook salmon obtained from the Entiat River screw traps only averaged about 50 to 60 mm. He added that he will provide Chelan PUD with these Entiat subyearling

Chinook salmon data. (*Note: Craig provided these lengths to Keller and the Coordinating Committees Technical Representatives following the meeting on January 27, 2015.*)

Keller requested that Coordinating Committees representatives submit edits and comments on the draft 2015 Rocky Reach and Rock Island Spill Plan to him by Tuesday, February 10, 2015. He said that Chelan PUD will request approval of the draft plan during the next Coordinating Committees meeting on February 24, 2015.

D. Draft 2015 Rocky Reach and Rock Island Juvenile Bypass Study Plans (Lance Keller)

Lance Keller said that the draft 2015 Rocky Reach Juvenile Fish Bypass System Operations Plan and draft 2015 Rock Island Bypass Monitoring Plan were distributed to the Coordinating Committees by Kristi Geris on January 23, 2015. Keller said that the plans are the same as last year's, with the exception of the extended September bypass operations. He added that Chelan PUD will also soon provide the draft 2014 Rocky Reach and Rock Island Juvenile Bypass Study Plan Reports for review (which will include 2013 data). He requested that Coordinating Committees representatives submit edits and comments on the draft 2015 Rocky Reach Juvenile Fish Bypass System Operations Plan and draft 2015 Rock Island Bypass Monitoring Plan to him by Tuesday, February 10, 2015. He said that Chelan PUD will request approval of the draft plans during the next Coordinating Committees meeting on February 24, 2015.

E. Rocky Reach Dam and Rock Island Dam Adult Fishway Annual Maintenance (Lance Keller)

Lance Keller reviewed 2014/2015 winter maintenance activities at Rocky Reach and Rock Island dams, as follows:

Rocky Reach Dam

Keller said that on January 9, 2015, the adult fishway at Rocky Reach Dam was taken offline for annual maintenance. He said that a fish rescue was performed and routine inspections are underway. He said that the fishway is scheduled to be back online by March 1, 2015.

Rock Island Dam

Keller said that on December 1, 2014, annual maintenance began at Rock Island Dam. He said that at least one fishway will be available throughout all maintenance activities, and all Rock Island Dam fishways are scheduled to be back online by March 1, 2015.

Right Ladder

Keller said that on December 1, 2014, the right fish ladder at Rock Island Dam was taken offline for annual maintenance. He added that this year, the right ladder was scheduled for a comprehensive inspection and maintenance. He said that maintenance activities included repairs to an attraction water pump and a full inspection of the auxiliary water system picket-barrier leads. He said that all ladder maintenance is now complete; however, the ladder is still offline as maintenance staff are waiting for reduced river flow to repair the trash boom above the exit of the ladder that was damaged when the forebay elevation was dropped in response to the Wanapum Dam repair. He said that a temporary PIT-tag antenna array has been installed upstream of the count window, and is now undergoing tuning and testing. He recalled that the temporary array was installed at this upstream location to help mitigate noise issues experienced with the existing array.

Center Ladder

Keller said that on December 29, 2014, the center fish ladder at Rock Island Dam was taken offline for annual maintenance. He said that routine maintenance was performed, including a more in-depth inspection of the valves in the lower fishway to inspect for cracks or other damage that may have occurred during the low tailwater elevations experienced in December 2014. He said that the center ladder was re-watered on January 9, 2015.

Left Ladder

Keller said that on January 12, 2015, the left fish ladder at Rock Island Dam was taken offline for annual maintenance. He said that the ladder is still offline; however, it is expected to be re-watered by the end of this week. He said that major maintenance activities included installing new operators for the entrance gates, as the previous infrastructure was old and worn. He said that the installation is now complete, and all that remains is cleaning up.

F. Tumwater Fishway Repairs (Lance Keller)

Lance Keller said that Tumwater Dam will be temporarily taken out of service for needed repairs. He said that Chelan PUD is coordinating these efforts with steelhead trapping activities conducted by the Washington Department of Fish and Wildlife (WDFW), Wenatchee District Office. He said that on February 17, 2015, the fish ladder at Tumwater Dam will be dewatered; on February 18, 2015, members of the Rocky Reach Fish Forum will conduct a rapid assessment for lamprey passage. He said that construction is scheduled to be complete and the ladder rewatered by March 4, 2015. He said that Chelan PUD discussed the needed repairs with McClain Johnson (WDFW, Wenatchee District Office), and together they recommended completing all repairs at once to avoid the need for multiple fish rescues. Keller said that the repairs include: 1) fixing spalled concrete, which require measures to ensure that the concrete cures correctly; 2) installing a PIT-tag antenna, which is already onsite and ready for installation; and 3) making a revision to the attraction water foot screens to meet National Marine Fisheries Service (NMFS) criteria (i.e., fixing a gap between the screens that do not currently meet passage criteria). Jeff Korth asked if the HCP Hatchery Committees are aware of the planned outage, and Mike Schiewe said that this has not yet been discussed within the HCP Hatchery Committees. Keller said that he will coordinate with the Chelan PUD HCP Hatchery Committees representatives regarding these repairs.

G. Wanapum Drawdown Update (Lance Keller)

Lance Keller said that the Chelan PUD Rock Island IFPP January Report was distributed to the Coordinating Committees by Kristi Geris on December 31, 2014. Keller said that considering the current status and progress of the repairs at Wanapum Dam, Chelan PUD proposed to FERC that the January report will be the last monthly report filed. Keller said that if the Coordinating Committees have questions at any time, to please contact him. He said that all fishways currently not out for maintenance are currently open and the current tailwater elevation is at approximately 567.9 feet, which is approximately 8 feet above the fishway sills. He added that the side walls of the rest boxes are at about 564.0 feet. He said that the Wanapum Dam headwater is at approximately 560.2 feet, and added that Wanapum Dam operates at up to approximately 561.8 feet. He said that river flow past Rock Island Dam is approximately 146,400 cubic feet per second (146.4 kcfs), which translates to a headwater elevation of approximately 612.9 feet.

Jim Craig asked about plans for removal of the denil structures, and Keller replied that Chelan PUD plans to leave the structures in place for the 2015 passage season in case they are needed. Keller added that, assuming the full Wanapum pool raise goes well, Chelan PUD plans to remove the structures during the 2015/2016 winter maintenance period. He said that once the denils are removed, they will likely go to the boneyard (opposed to being scrapped). Jeff Korth asked if there is concern regarding the long-term stability of the denil structures and leaving them permanently in place. Keller said that leaving the structures permanently in place would require re-consultation, and Scott Carlon further explained that this would be considered a structural change to the project, which would reopen the license.

IV. HCP Hatchery and Tributary Committees Update (Mike Schiewe)

Mike Schiewe said that the HCP Tributary Committees did not meet in January 2015, and plan to meet next on February 12, 2015.

Schiewe updated the Coordinating Committees on actions and discussions that occurred at the last HCP Hatchery Committees meeting on January 21, 2015, which—due to several shared agenda items—was a joint meeting of the HCP Hatchery Committees and Priest Rapids Coordinating Committee Hatchery Sub Committee, as follows:

- *Draft Wells 2015 HCP Action Plan:* The draft action plan was circulated by Douglas PUD, as discussed during today's meeting.
 - *Methow Sharing Agreement:* Chelan PUD announced that they are nearing agreement on a sharing arrangement with Douglas PUD to return to meeting their Methow spring Chinook salmon production obligation at Methow Fish Hatchery (FH). Recall that last year, Chelan PUD was looking to develop a program that included: 1) adult collection at the Rocky Reach Trap (which worked to a limited extent, but not as well as hoped), and tangle netting efforts to collect broodstock for 2015; 2) incubation and early rearing at Eastbank FH; and 3) acclimation at Carlton Pond, with the intention of acclimating fish in the Chewuch. This new sharing agreement, if finalized, will allow a return to a program that was in place previously, with brood collection at Wells Dam, and rearing at Methow FH. This was seen as good news for most everyone; however, the YN expressed interest in seeing
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acclimation at Carlton Pond continue for a few years. Jeff Korth asked if these are all conservation fish, and Schiewe replied that they are.

- *YN Kelt Reconditioning Project Request for Sampling at Wells Dam:* This was a proposal for new sampling at Wells Dam as part of an evaluation of kelt reconditioning. The sampling is looking to compare reproduction-related phenotypic characteristics between reconditioned kelts and first-time steelhead spawners in the Upper Columbia. The sampling will include measurement of lipid content and obtaining blood samples to determine concentrations of vitellogenin and estradiol. This sampling was suggested by the Independent Scientific Review Panel during their review of the YN's Kelt Reconditioning Program. Sampling will occur in coordination with existing sampling conducted by WDFW (i.e., no new trapping).
- *Methow and Wenatchee Spring Chinook Production Status Update:* Regarding Methow spring Chinook salmon production, there are approximately 37,000 surplus progeny on hand in excess of 110% of the Methow spring Chinook salmon production goal, including both Grant PUD and Douglas PUD production. The surplus fish were a result of low incidence of bacterial kidney disease in broodstock and high survival through the eyed egg stage. WDFW is looking into how to use the excess fish, including possibly incorporating them with the CCT's production. Kirk Truscott said that WDFW and the CCT are trying to determine whether the excess fish can be accommodated from a facility standpoint in the Okanagan reintroduction program, consistent with the CCT's Section 10j permit. The YN is also discussing internally whether they can help put the surplus fish to use. Jeff Korth asked about the brood origin of the surplus fish, and Truscott said that they are hatchery-by-wild (HxW). Truscott added that because of factorial mating, the hatchery component is already accounted for in the hatchery population. Tom Kahler also clarified that the overage is at Methow FH; however, if those fish are used, then the overage will be the hatchery-by-hatchery (HxH) production at Eastbank FH. Schiewe noted that if a new sharing agreement is signed, those fish could become part of Chelan PUD's production.

Regarding Wenatchee spring Chinook salmon production, the Nason Creek program currently has about 37,000 eyed eggs, which are expected to yield about 27% of the

conservation program. In contrast, the Chiwawa program has about 141,000 eyed eggs, which are expected to yield about 95% of the conservation program. The addition of approximately 201,000 smolts from the safety net program is expected to bring the Wenatchee spring Chinook salmon program total to about 371,000 smolts, which is 101% of the combined program. Thus, the program is slightly over production as a whole; however, the program is under production for the conservation component.

- *Re-initiation of Spring Chinook Biological Opinion (BiOp)*: NMFS has made a preliminary decision on a preferred alternative to collect Wenatchee basin spring Chinook salmon broodstock at Tumwater Dam and the Chiwawa Weir beginning with brood year (BY) 2015. Chelan PUD and Grant PUD drafted a letter to NMFS indicating that this new preferred alternative was not previously analyzed in the BiOp, and will ultimately lead to re-initiation of consultation.
 - *PRESENTATION: Circular Pond Rearing at Eastbank FH and Chiwawa Facility*: Chelan PUD provided a presentation highlighting the results of studies conducted by Chelan PUD to compare the health and performance of summer Chinook salmon and steelhead that were reared in partial water reuse vessels versus raceways. Post-release data have shown benefits for fish reared in partial water reuse vessels, including: 1) no significant health issues observed to date; 2) faster migration times; 3) high estimated survival; and 4) higher growth on same rations. A final report is expected to be available by next month. Schiewe recalled the lengthy process to obtain HCP Hatchery Committees approval of this study because the technology had not yet been widely tested; however, he noted that it seems that the technology has caught up. Jim Craig noted that this technology is also being considered for Leavenworth National Fish Hatchery.
 - *YN Upper Methow Spring Chinook Acclimation – Draft Proposal and SOA*: In October 2014, the YN first proposed expanded acclimation in the Upper Methow River. During the meeting in November 2014, Douglas PUD introduced the idea of incorporating adaptive management into these types of studies and developing metrics of success to measure progress and support decision-making. The adaptive management concept was initially well-received during the meeting in November; however, during last week's meeting, the YN expressed reservations about the
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suggested changes to their proposal. The current YN draft proposes acclimation of 25,000 BY 2014 Methow spring Chinook salmon at the Goat Wall acclimation site in 2016.

V. HCP Committees Administration

A. Next Meetings (Mike Schiewe)

The next scheduled Coordinating Committees meeting is on February 24, 2015, to be held in person at the Radisson Hotel in SeaTac, Washington. The March 24 and April 28, 2015 meetings will be held either by conference call or in person at the Radisson Hotel in SeaTac, Washington, as is yet to be determined.

List of Attachments

Attachment A	List of Attendees
Attachment B	Revised Draft 2014 Wells Passage-Dates Analysis (in redline strikeout)
Attachment C	Yearling Chinook Salmon PIT-Tag Detection Data at Rocky Reach Dam from 2010 to 2014
Attachment D	Final Rocky Reach TDG: Step One, Year Five Compliance Report

Attachment A
List of Attendees

Name	Organization
Mike Schiewe	Anchor QEA, LLC
John Ferguson	Anchor QEA, LLC
Kristi Geris	Anchor QEA, LLC
Lance Keller*	Chelan PUD
Tom Kahler*	Douglas PUD
Jim Craig*	U.S. Fish and Wildlife Service
Scott Carlon*	National Marine Fisheries Service
Jeff Korth*	Washington Department of Fish and Wildlife
Kirk Truscott*†	Colville Confederated Tribes

Note:

* = Denotes Coordinating Committees member or alternate

† = Joined by phone
