

FINAL MEMORANDUM

To: Wells, Rocky Reach, and Rock Island HCPs Hatchery Committees **Date:** April 18, 2013
From: Mike Schiewe, Chair
Cc: Kristi Geris
Re: Final Minutes of the March 20, 2013 HCP Hatchery Committees Meeting

The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans (HCPs) Hatchery Committees' meeting was held at Douglas PUD headquarters in East Wenatchee, Washington, on Wednesday, March 20, 2013, from 9:30 am to 1:00 pm. Attendees are listed in Attachment A to these meeting minutes.

ACTION ITEM SUMMARY

- Greg Mackey will provide the Wells Hatchery Modernization Master Plan to the Hatchery Committees for review, when it is available (Item I).
 - Chelan PUD, Douglas PUD, Grant PUD, and the Colville Confederated Tribes (CCT) will meet to discuss proportional responsibilities for funding run-composition sampling at Wells Dam for summer Chinook; and Chelan PUD will provide an update on the discussions at the Hatchery Committees April 17, 2013 meeting (Item I).
 - Lynn Hatcher will check on the status of internal National Marine Fisheries Service (NMFS) discussions regarding processing of Hatchery and Genetic Management Plans (HGMPs) for non-listed programs currently covered by Permit 1347 (Item II-A).
 - Josh Murauskas will distribute a summary of changes to the revised draft Analytical Framework 5-Year Update to the Hatchery Committees no later than March 22, 2013. Following distribution of this list, Hatchery Committees representatives will provide a list of additional objective-level change that should be considered, if any, including suggested revisions, to Kristi Geris for distribution to the Hatchery Committees no later than April 5, 2013 (Item IV-A).
 - Alene Underwood will revise and redistribute Chelan PUD's pilot study proposal to trap spring-run Chinook salmon at Rocky Reach Dam in 2013, as recommended; and
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Chelan PUD will also brief Bill Gale on the details of the proposal (Item IV-D).

- Hatchery Committees representatives will submit edits and comments on the draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols to Mike Tonseth no later than April 8, 2013 (Item VI-A).

STATEMENT OF AGREEMENT DECISION SUMMARY

- No Statements of Agreement (SOAs) were approved at this meeting.

AGREEMENTS

- Hatchery Committees representatives present agreed to use the steelhead broodstock collected in the fall of 2012 for the Douglas PUD Methow Safety-Net program broodstock, and to not collect additional broodstock in the Methow basin in the spring of 2013 for this program, unless an unexpected need for additional broodstock is identified by hatchery personnel (Item II-A).
- Hatchery Committees representatives present agreed to Chelan PUD's 2013 Wenatchee River Basin Steelhead Release Strategy (Item V-B).

REVIEW ITEMS

- The draft residual steelhead manuscript *Ecologic and demographic costs of releasing non-migratory juvenile hatchery steelhead in the Methow River, Washington* was distributed to the Hatchery Committees on February 19, 2013, for a 60-day review with comments due to Charlie Snow no later than April 22, 2013.
 - The draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols were distributed to the Hatchery Committees on March 15, 2013, for review with comments due to Mike Tonseth no later than April 8, 2013.
 - The revised draft Analytical Framework 5-Year Update was distributed to the Hatchery Committees on March 19, 2013, for final review. Approval of the draft plan will be requested at the Hatchery Committees April 17, 2013 meeting.
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FINALIZED REPORTS

- No reports have been finalized since the last Hatchery Committees meeting.

I. Welcome, Agenda Review, Meeting Minutes, and Action Items

Mike Schiewe welcomed the Hatchery Committees and reviewed the agenda. The following revisions were made to the agenda:

- Greg Mackey said that Douglas PUD's 2013 program activities update will include: 1) Twisp Weir and Twisp and Chewuch ponds update; 2) Wells Hatchery summer Chinook HGMP update; 3) Methow spring Chinook HGMP and Wells Complex Steelhead HGMP sufficiency letters; 4) Methow spring Chinook broodstock collection analysis; 5) future of spring Chinook broodstock collection for Methow and Okanogan programs; and 6) steelhead broodstock collection for 2013 Methow Safety Net.
- Alene Underwood added a brief discussion on a Carlton Acclimation Facility Capacity Utilization Draft SOA.
- Schiewe said that Craig Busack's agenda item to discuss HGMPs for non-listed programs and bull trout consultations has been postponed; however, Lynn Hatcher said that he would provide an HGMP update in lieu of Busack's agenda item.
- Mike Tonseth added a brief discussion on the draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols.
- Kirk Truscott requested clarification regarding the February Monitoring and Evaluation (M&E) Progress Report for the Chelan PUD Hatchery Programs that was distributed to the Hatchery Committees by Tracy Hillman on March 19, 2013.

The revised draft February 20, 2013 meeting minutes were reviewed. Kristi Geris said that comments and revisions received from members of the Committees were incorporated in the revised minutes. She said that Tom Kahler noted an error in Chelan PUD's discussion on "Spring Chinook Brood Collection at the Eastbank Outfall (EBO)." He noted that "spring" should read "summer." The Hatchery Committees members present approved the February 20, 2013 meeting minutes, as revised.

Action items from the last Hatchery Committees meeting on February 20, 2013, and follow-up discussions were as follows:

- *Chelan PUD will draft a study plan to test Methow spring Chinook broodstock collection at the Rocky Reach Trap (Item I).*

A pilot proposal to test trapping of spring-run Chinook salmon at Rocky Reach Dam in 2013 was distributed to the Hatchery Committees by Geris on March 19, 2013.

- *Bill Gale will provide U.S. Fish and Wildlife Service's (USFWS) Entiat National Fish Hatchery (NFH) and Leavenworth NFH Biological Assessments (BAs) and Biological Opinions (BiOps) to the Hatchery Committees as examples of consultation materials for bull trout (Item II-A).*

Gale provided the documents and said that they were distributed to the Hatchery Committees on February 21, 2013.

- *Busack and Gale will provide Geris with a list of people who should be invited to the discussion on HGMPs for non-listed programs and the need for bull trout consultations (Item II-A).*

Busack and Gale provided these lists.

- *Geris will distribute a Doodle Poll for a 1-hour discussion on the status of HGMPs for non-listed programs (Item II-A).*

A Doodle Poll was distributed, but the discussion was deferred to a future meeting.

- *Josh Murauskas and Chris Moran will provide a proposal for evaluating release strategies for the Wenatchee Steelhead Program, including a consideration of how the release strategy for steelhead would affect the Chiwawa spring Chinook program, no later than one week prior to the Hatchery Committees March 20, 2013 meeting (Item III-A).*

Murauskas provided this proposal and it was distributed to the Hatchery Committees by Geris on March 15, 2013.

- *Murauskas will distribute to the Hatchery Committees an updated revised draft Analytical Framework 5-Year Update with comments received to date that have been incorporated (Item IV-A).*

Murauskas provided the revised draft and it was distributed to the Hatchery Committees by Geris on February 27, 2013.

- *Murauskas will distribute a Doodle Poll to the Hatchery Committees to schedule a Hatchery M&E Workgroup meeting to prepare the final revised draft Analytical*
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Framework 5-Year Update for Hatchery Committee review (Item IV-A).

Murauskas distributed a Doodle Poll.

- *Greg Mackey will provide the Wells Hatchery Modernization Master Plan to the Hatchery Committees for review, when available (Item V-C).*

Mackey said that the master plan is still under development, and that it may be available by the end of April 2013. This action item will be carried forward.

- *Chelan PUD, Douglas PUD, Grant PUD, and the CCT will meet to discuss proportional responsibilities for funding run-composition sampling at Wells Dam for summer Chinook; and Chelan PUD will provide an update on the discussions at the Hatchery Committees' March 20, 2013 meeting (Item VI-A).*

Todd Miller said that WDFW developed a budget for the work and provided this to Peter Graf at Grant PUD. He said that he and Graf are now drafting a statement of work which Miller anticipates should be available for discussion at the Hatchery Committees April 17, 2013 meeting.

- *Keith Wolf will provide Geris with CCT's Chief Joseph Hatchery (CJH) M&E presentation materials for distribution to the Hatchery Committees (Item VI-B).*

Geris said that Wolf provided the presentation materials and that they were distributed to the Hatchery Committees on February 21, 2013.

II. Douglas PUD

A. 2013 Program Activities Update (Greg Mackey)

Twisp Weir and Twisp and Chewuch Ponds Update

Greg Mackey said that the Twisp Weir was set up on March 11, 2013, and operations started the following day. He said that Twisp and Chewuch ponds were watered up and fish were already being transferred to the ponds on March 11, 2013. He said that Twisp steelhead and spring Chinook will be co-mingled with 5,000 of each species passive integrated transponder (PIT) tagged. He said that Charlie Snow monitors the fish as they exit the pond through the outfall channel. Mackey said that no issues have been observed to date with co-acclimating the Twisp spring Chinook and steelhead in the Twisp Pond.

Wells Hatchery Summer Chinook HGMP Update

Mackey said that Douglas PUD has completed drafting their Wells Hatchery Summer Chinook HGMP. He said that the recent Methow Hatchery Spring Chinook HGMP and the draft 2005 Summer Chinook HGMP that Kirk Truscott drafted were used as templates, with program-specific revisions and updates, as needed. Mackey said that Jayson Wahls, Wells Hatchery Complex Manager, reviewed the HGMP, and that Section 2, which summarizes effects on other populations, was updated with current information. He said that he hopes to get the draft HGMP to the Hatchery Committees for review as soon as possible. Mike Tonseth asked about the status of internal NMFS discussions regarding the processing of HGMPs for non-listed programs currently covered by Permit 1347. Lynn Hatcher said that he will check on this and report back to the Hatchery Committees.

Methow Spring Chinook and Wells Complex Steelhead HGMP Sufficiency Letters

Mackey said that Douglas PUD received Methow Spring Chinook and Wells Complex Steelhead HGMP sufficiency letters, which means that Douglas PUD is now in consultation. Tonseth said that spring Chinook and steelhead sufficiency letters have also been sent to USFWS regarding the Winthrop NFH programs.

Methow FH Spring Chinook Broodstock Collection Analysis

Mackey said that with all of the changes in the Methow spring Chinook Hatchery programs (i.e., survival study adjustments, recalculations, HGMPs, Chelan PUD withdrawal), there has been interest in releasing all 135,000 spring Chinook in the Methow River, and not releasing a portion in the Chewuch River. He said that, based on preliminary analyses, releasing a portion of the Methow Hatchery production in the Chewuch River would likely reduce the returns to Methow Hatchery, and hence the numbers that could be collected as broodstock. He added that this was part of the results when percent hatchery-origin spawners (pHOS) analyses were completed for the Methow basin. Mackey said that he has started analyses to further explore this; however, the analysis is incomplete. He said that so far he has found that the Methow Hatchery program should usually be able to fulfill its broodstock needs with 135,000 Chinook smolts released from the Methow Hatchery. However, he said that

excess Methow Hatchery-origin broodstock that would be used in the Winthrop NFH safety-net program are likely to not be available in sufficient numbers, or at all in some years.

Future of Spring Chinook Broodstock Collection for Methow and Okanogan Programs

Mackey said that he and Kirk Truscott have discussed the issue of collecting spring Chinook broodstock for the Methow and Chief Joseph Hatchery spring Chinook programs at Wells Dam. He said that a primary concern is that broodstock collected at Wells Dam cannot be readily sorted into those of Methow- versus Okanogan-origin and that when Chief Joseph Hatchery is at full operation, those fish will greatly outnumber Methow fish. Therefore, trapping at Wells Dam will necessitate handling large numbers of fish to sort through and identify target fish for certain programs. In addition, this means that wild fish will be subjected to this handling along with hatchery-origin fish. Using analytical means to identify wild fish would necessitate holding fish, resulting in migratory delay of non-target fish. Okanogan natural-origin fish would be at risk of being collected as Methow fish because they would be genetically indistinguishable. A fledgling Okanogan population would be at risk if unintentional by-catch for broodstock occurred. He added that a strategy to collect spring Chinook broodstock will need to be developed, especially when CJH begins returning large numbers of fish. Truscott added that neither the Methow nor Okanogan rivers have adult collection capabilities. He said that these issues would need to be addressed soon. Truscott noted that the Methow conservation fish have coded-wire tags (CWTs), so that they can be differentiated. Tonseth said that the first generation safety net fish out of Winthrop also have CWTs. Truscott recommended considering marking strategies for each program in order to differentiate the groups. Truscott asked about the possibility of alternate fin clips, although not typically accepted, and added that it may be useful to conduct a literature review on differential survival. Mackey noted that trapping is known to affect fish passage and it would need to be determined to what degree aggressive trapping would be acceptable. Microchemistry analysis may be a method that could discriminate wild fish, but this would require holding fish, inflicting handling stress and migration delay on non-target fish. Truscott said that CJH is not releasing spring Chinook at CJH this year, and that broodstock collected will be for 2015 releases. Tonseth said that the earliest returns from the Okanogan River will be in 2016—with jacks in 2015. Truscott said that collecting broodstock in-basin for the Methow Program would be complicated; Tonseth noted that

improvement to Foghorn Dam was identified in the U. S. Bureau of Reclamation's (Reclamation's) analysis in response to a BiOp reasonable and prudent alternative (RPA) action implementation for steelhead. Keely Murdoch noted that Bill Gale also should be a part of this discussion because of the Winthrop NFH program. Truscott and Mackey agreed. Mackey said that he will continue to run analyses on in-basin trap efficiency and likelihood of achieving broodstock collection to support both programs.

Steelhead Broodstock Collection for 2013 Methow Safety Net

Mackey said that all needed steelhead broodstock for the Methow Safety-Net program were collected in fall 2012 for the 2013 brood year Wells Hatchery Steelhead Programs, and that full egg take has been reached (the fish collected in the fall at Wells Dam and Hatchery spawn prior to when fish remaining in the river move to spawning areas in the spring and become susceptible to broodstock collection once again). Hence, for the 2013 brood year Methow Safety Net Program, he proposed that adult steelhead broodstock already collected and spawned in sufficient numbers to meet egg take requirements be used for the program in lieu of collecting broodstock in the Methow Basin. The return cohort for this brood year does not include returns from the new Twisp stock program, and therefore, returns to the Methow are of the same Wells stock as those already collected. Therefore, there is no advantage to collecting more fish. If additional fish are needed this spring, they would be collected at Wells Dam/Hatchery or the in the Methow basin in spring 2013. Charlie Snow agreed with this proposal and added that any excess fish could go to Ringold Hatchery. Mike Tonseth asked if the Twisp Weir has been considered to fill the safety net program, and Mackey said that 25 percent of the program can be collected from the Twisp Weir and the balance would come from Winthrop NH; and then if needed, additional broodstock could come from Methow Hatchery, or Wells Dam/hatchery. Keely Murdoch said that her only concern is that all broodstock were collected in the fall, which might not be representative of run timing for the entire run. She added, however, that if it is just for one year and only for the safety net program, then this option may not pose a significant issue. Mackey said that essentially, the process is the same as last year. Hatchery Committees representatives present agreed to use the steelhead broodstock collected in the fall of 2012 for the Douglas PUD Methow Safety-Net broodstock, and to not collect additional broodstock in the Methow basin in the spring of 2013 for this program, unless an unexpected need for additional

broodstock is identified by hatchery personnel with any excess fish going to Ringold Hatchery.

III. NMFS

A. HGMP Update (Lynn Hatcher)

Lynn Hatcher said that Craig Busack is working on the Mid-Columbia Coho BiOp, and that the Leavenworth NFH spring Chinook and Entiat NFH spring Chinook draft BiOps are still in final review by National Oceanic and Atmospheric Administration (NOAA) General Counsel (GC). Hatcher reminded the Hatchery Committees that the NMFS final review process is taking longer than in the past due to greater scrutiny by the NOAA GC. Mike Tonseth asked if the longer review process is due to more extensive reviews or due to pending lawsuits; and Hatcher replied that both reasons are true. Greg Mackey asked about the status of Methow HGMPs, and Hatcher replied that the *US v OR* Production Advisory Committee (PAC) is still waiting for NMFS and the Yakima Nation (YN) to address several pending issues. Mike Schiewe cautioned that NMFS needs to be mindful that consultations in the Methow have started and deadlines must be met, or agencies will be unable to obtain their permits and will subsequently default on their program requirements.

IV. Douglas PUD, Chelan PUD, and Grant PUD

A. 5-Year M&E Plan Update (Greg Mackey and Josh Murauskas)

Josh Murauskas said that the Hatchery M&E Workgroup met on March 18, 2013. He said that they addressed all comments and edits to the draft Analytical Framework 5-Year Update and a revised draft for final review was distributed to the Hatchery Committees on March 19, 2013. Mike Tonseth said that some components of the plan that consist of tables containing management objectives and targets have yet to be resolved, have been removed from the document, and will instead be added as appendices to the plan when they are fully developed. Murauskas said that, ultimately, the revised plan is similar to the previous plan only with further clarifications and objectives in meeting hatchery goals.

Keely Murdoch noted that the 5-year update of the Hatchery M&E Plan involved two steps: 1) updating the M&E plan to reflect changes in the way the programs are now operated; and

2) considering changes based on the 5-year analyses and reviewing each objective to evaluate if results of the 5-year analyses indicate changes to the plan are warranted. She questioned whether the second part of the review had been completed, and noted that the Hatchery Committees agreed that this step was important for making meaningful revisions to the M&E plan, implementation plan, and/or hatchery program itself. Murdoch asked, for example, how objectives for steelhead reference populations will be addressed. Greg Mackey explained that there are no data available to address steelhead objectives using reference populations, but Tracy Hillman's white paper on using reference streams for M&E analysis has been cited in and appended to the plan. This document described approaches for situations when reference population data are not available. Todd Pearson said that language in the plan was modified, as necessary, to accommodate missing data. Mike Schiewe reminded the Hatchery Committees that the workgroup revising the Hatchery M&E Plan was open to all members and included regular participation by Hatchery Committees members and technical representatives of WDFW and BioAnalysts, which were collectively the biologists most familiar with implementation of the first 5 years of the M&E Program and analyses of the results. He said that based on the progress reports at Hatchery Committees' meetings during the past several months, it was his understanding that the framework was modified based on lessons learned. Murdoch said that she had participated in all but the last meeting of the working group, and that she did not think that the second step had been well-documented. Tonseth added that in terms of program-by-program review, any modifications to any one program would be captured in the appendix, but would not be applied to the entire plan.

Murdoch suggested the need for better documentation of what changes were made, and why they were made. She recalled that, in the past, program objectives were reviewed and rewritten to be achievable, and said that she would like to see the same process implemented with this revision. Murauskas reminded the Hatchery Committees that the intention was to have this plan approved in April 2013 for contracting purposes. Mackey said he believes that a comprehensive review process was completed, and was uncertain that such a formalized record is necessary. He also said that Andrew Murdoch and Tracy Hillman both participated

in the review and revision process, and noted that they were among the lead authors of the annual reports and the 5-year summary report.

Schiewe suggested, in consideration of getting the programs in place for 2014, to proceed with the timeline on approving the revised plan, and reconvening again to develop a more detailed record and to evaluate if there are any additional changes needed. Murdoch said she would prefer that the Hatchery Committees review the reports to verify that all updates are incorporated. Kirk Truscott added that it would also be worthwhile to see an executive summary that summarizes what changes were made; and Murauskas said that he will distribute a summary of changes made to the revised draft Analytical Framework 5-Year Update to the Hatchery Committees no later than March 22, 2013. Following distribution of this list, Hatchery Committees representatives will provide a list of additional objective-level changes, if any, which should be considered, including suggested revisions, to Kristi Geris for distribution to the Hatchery Committees no later than April 5, 2013.

V. Chelan PUD

A. M&E Request for Proposal (Josh Murauskas)

Josh Murauskas said that a Wenatchee River Basin Hatchery M&E Request for Proposal (RFP) Timeline (Attachment B) was distributed to the Hatchery Committees by Kristi Geris on March 19, 2013. He said that this timeline is intended to highlight the path forward for the Wenatchee River Basin Hatchery M&E RFP process.

B. 2013 Wenatchee Steelhead Releases (Josh Murauskas)

Josh Murauskas said that Chelan PUD and WDFW discussed ways to improve steelhead releases in the Wenatchee basin, and summarized their discussions and proposed testing in Chelan PUD's 2013 Wenatchee River Basin Steelhead Release Strategy (Attachment C), which was distributed to the Hatchery Committees by Kristi Geris on March 15, 2013. He said that the apparent survival to McNary Dam of forced released fish will be compared with those of volitionally released fish and will be sorted by PIT tags, using both circular tanks and raceways. He acknowledged that the migration rate of hatchery-by-hatchery (H×H) and

wild-by-wild ($W \times W$) progeny may be different and could affect results. He said that a key difference with the volitional group in 2013 versus 2012 is that the releases will begin earlier, hopefully improving survival.

Mike Tonseth expressed concern with the release strategy, and in particular with the different parental origins and the potentially different migration patterns based on those origins. He said that recent literature indicates that certain parental crosses have a higher tendency to residualize, and asked whether the 2013 strategy could address this. He also noted that a condition in the hatchery permits specifies that non-migrants can only be released in the lower Wenatchee River. Murauskas acknowledged Tonseth's concerns, and said that hopefully some of these issues can be addressed during review of PIT-tag data. Tonseth said that fish need to be sampled over time to determine dominant origin, and added that he would like this included in this year's work. Murauskas said that Chelan PUD is discussing possible options to obtain additional information, such as installing antennas in the raceways and subsequent in-stream detections.

Regarding the second point (No. 2) in Attachment C, Tonseth asked what the proposed method is for comparing performance of different release strategies. Murauskas explained that if volitional release starts in April, it could bias the forced release; so, a net will be installed to make sure the forced release is representative of the entire population. Tonseth asked if the split would occur before or after the 25,000 fish destined for Blackbird Pond are moved out, and Murauskas replied that Blackbird fish will be taken out prior to installing the net, and that the PIT-tag data will later be tested for random distribution. Murauskas said that fish that do not volitionally exit the rearing raceway will be released in the lower Wenatchee River at Tumwater, as outlined in the Section 10 permit. Lynn Hatcher said that he thought those fish would go to Blackbird Pond, and Tonseth clarified that anything left is treated as a non-migrant. He added that they would not go to Blackbird Pond because there is no co-manager agreement, and the residualism rate is not known. Hatcher asked if the fish that are released below Tumwater would migrate, and Tonseth replied that they may. He added that Charlie Snow authored a white paper about non-migrants' potential to migrate

that indicated that migration may simply depend on whether the fish are released in riverine waters or put in landlocked water.

Tonseth noted that according to the February M&E Progress Report for the Chelan PUD Hatchery Programs that was distributed on March 19, 2013, the steelhead population in the proposed strategy is incorrect, and therefore, the sample sizes need to be updated accordingly. Murauskas said that Chris Moran had originally proposed release dates; however, Murauskas stated that some flexibility may help operator in terms of logistics. Tonseth said that the existing data should be reviewed to determine what release time would result in the highest survival, and Murauskas explained that survival in 2012 was so poor, that nothing could be deduced by reviewing these data. Tonseth noted that any proposal should not impact spring Chinook releases in the Chiwawa River. He said that fishery managers are discussing starting spring Chinook volitional releases a day or so earlier than the spill start date and then pushing them out after about one week so that the steelhead volitional release can be initiated.

Kirk Truscott said he thinks that the release dates for circulars and raceways, respectively, need to be the same in order to maintain the same conditions. Murauskas said that forced release cannot be matched with volitional released fish over several weeks. He added that smolt trap data indicate that the maximum steelhead migration peaks in early-May. Keely Murdoch said that she is okay with volitional release not starting the same time, and added that release dates are not what is being compared, but rather, two different strategies are being compared—one is to push the fish out at the usual date, and the other is to let them leave on their own. She said that if the evaluation is when one release strategy works the best, then release dates should be compared.

Tonseth said that he has concerns about dividing the pond and achieving representative sample sizes. He asked if there will be enough PIT tags on each side of the pond, and Murauskas replied that PIT tag data will be reviewed from both groups, when available, to determine if there were representative populations. Truscott asked about the W×W progeny

in the ELISA pond, and Alene Underwood said that those fish will not be involved in the release strategy study.

Schiewe summarized that the idea was not to have a perfect experiment, but rather to begin sorting out possible explanations for low survival in 2012 and find a solution to have better survival in future years. Hatchery Committees representatives present agreed to Chelan PUD's 2013 Wenatchee River Basin Steelhead Release Strategy.

C. Spring Chinook HGMPs (Joe Miller)

Joe Miller said that Chelan PUD is preparing a document that requests Endangered Species Act (ESA) coverage for their Methow spring Chinook program. He said that the document focuses on the aspects of the program that have changed from the original HGMP submittal in 2010, as outlined in a handout provided at the meeting and also distributed via email on March 21, 2013 (Attachment D). Miller said that the document will include targets that are reflective of existing HCP targets, and that a variety of facilities will be included that may be available to ensure that ESA coverage exists for multiple contingencies. He added that the basic life-history stages and hatchery locations for Chelan PUD's spring Chinook Hatchery program will also be described. He said that issues that will be addressed include straying, adult management, and percent hatchery origin spawners (pHOS).

Miller said that Chelan PUD is awaiting the results of discussions at the PAC meeting; however, they will need to move forward with this document soon. He said that this document is not a new HGMP, but rather an update.

D. Spring Chinook Pilot at Rocky Reach (Alene Underwood)

Alene Underwood said that a proposal to trap spring-run Chinook salmon at Rocky Reach Dam in 2013, including an overview of the trap design (Attachment E) was distributed to the Hatchery Committees by Kristi Geris on March 19, 2013. She said that the proposal basically looks to target spring Chinook, collect them in the trap, verify their species, and release them; this would happen over a 4-week sampling period from May to June 2013. She said

that the trap has been used successfully for bull trout and steelhead with virtually no passage delays, and added that the trap will be videotaped. She said that if no impacts are observed to non-target fish, then a path forward will be proposed.

Mike Tonseth asked how the facility will be staffed in the future if this proposal does prove feasible. He said that his assumption would be that a person would be needed to monitor the trap for fish that are not PIT-tagged. Joe Miller replied that in terms of the pilot, a protocol and/or additional information will be developed, if requested. He added that there are many broodstock issues coming up, and to the extent that this trap benefits hatchery programs, it makes sense. Mike Schiewe said that in terms of passage, this proposal will likely also go to the HCP Coordinating Committees for approval. Miller added that use of this trap has been approved in the past, and so he does not foresee this being an issue. He added that he believes use of the trap is covered by the current permit; however, he is unsure regarding direct take authority. He said that Chelan PUD is proposing only small numbers and the fish will not be taken out of the water. Tonseth said that identifying and isolating the fish will likely be the challenge and Underwood said that this has been accomplished before.

Underwood said that Chelan PUD will be asking for approval of the proposal at the Hatchery Committees' April 17, 2013 meeting. Miller said that a letter will be prepared for NMFS that is similar to the letter that was developed for the Parental Based Tagging (PBT) study. Kirk Truscott requested that a summary be included in the proposal that indicates the reason behind the proposal. Underwood said that she will revise and redistribute Chelan PUD's pilot study proposal to trap spring-run Chinook salmon at Rocky Reach Dam in 2013, as recommended. Chelan PUD will also brief Bill Gale on the details of the proposal.

E. Carlton Acclimation Facility Capacity Utilization SOA (Alene Underwood)

Alene Underwood said that the Carlton Acclimation Facility Capacity Utilization Draft SOA that was distributed to the Hatchery Committees by Kristi Geris on March 19, 2013, is a draft for discussion purposes only. She said that the draft SOA is an agenda item at the Priest Rapids Coordinating Committee (PRCC) Hatchery Subcommittee's (HSC's) March 21, 2013 meeting, and that she just wanted to distribute the draft document to the Hatchery Committees prior to the HSC discussion. Mike Tonseth suggested revising the text to reflect

that the proposal applies to 2013 broodstock only. He acknowledged, however, that the long-term plan for Chelan PUD's 60,516 Methow spring Chinook mitigation obligation is still unknown. Underwood said that if the Committee as a whole agrees to the revision, she will update the language.

VI. WDFW

A. Draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols (Mike Tonseth)

Mike Tonseth said that the draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols (Attachment F) were distributed to the Hatchery Committees by Kristi Geris on March 15, 2013. He said that with the deadline to NOAA being April 15, 2013, Tonseth requested that Hatchery Committees representatives submit edits and comments on the draft 2013 Broodstock Protocols no later than April 8, 2013. Tonseth reviewed notable 2013 protocols, as described in Attachment F, and said that the 2013 protocols were largely based on the 2012 Methow Spring Chinook Broodstock Genetic Results, that were also distributed to the Hatchery Committees on March 15, 2013.

VII. CCT

A. February M&E Progress Report for the Chelan PUD Hatchery Programs (Kirk Truscott)

Kirk Truscott requested clarification on rearing activities for the 2011 Brood Wells Summer Chinook Yearling Program, as described in the February M&E Progress Report for the Chelan PUD Hatchery Programs that was distributed to the Hatchery Committees on March 19, 2013. He said that the progress report indicated that Chelan Falls' yearlings are being reared at Chelan Falls Hatchery, and Mike Tonseth clarified that the yearlings are being reared at the Chelan Falls Acclimation Facility. Truscott also asked about the size difference of fish reared in circulars at the Chelan Falls Acclimation Facility, and Alene Underwood suggested that the transfer size could have been different.

VIII. HCP Administration

A. Next Meetings

The next scheduled Hatchery Committees' meetings are on April 17, 2013 (Chelan PUD office); May 15, 2013 (Douglas PUD office); and June 19, 2013 (Chelan PUD office).

List of Attachments

Attachment A	List of Attendees
Attachment B	Wenatchee River Basin Hatchery M&E Request for Proposal Timeline
Attachment C	Chelan PUD's 2013 Wenatchee River Basin Steelhead Release Strategy
Attachment D	Chelan PUD Spring Chinook HGMPs
Attachment E	Proposal to trap spring-run Chinook salmon at Rocky Reach Dam in 2013
Attachment F	Draft 2013 Upper Columbia River Salmon and Steelhead Broodstock Objectives and Site-Based Broodstock Collection Protocols

Attachment A
List of Attendees

Name	Organization
Mike Schiewe	Anchor QEA, LLC
Kristi Geris	Anchor QEA, LLC
Josh Murauskas*	Chelan PUD
Alene Underwood*	Chelan PUD
Joe Miller	Chelan PUD
Greg Mackey*	Douglas PUD
Tom Kahler*	Douglas PUD
Todd Pearsons	Grant PUD
Keely Murdoch*	Yakama Nation
Kirk Truscott*	Colville Confederated Tribes
Lynn Hatcher*	National Marine Fisheries Service
Mike Tonseth*	Washington Department of Fish and Wildlife
Todd Millert†	Washington Department of Fish and Wildlife
Chris Moran†	Washington Department of Fish and Wildlife
Jayson Wahlst†	Washington Department of Fish and Wildlife
Charlie Snow†	Washington Department of Fish and Wildlife

Notes:

- * Denotes Hatchery Committees member or alternate
 - † Joined by phone
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