

FINAL MEMORANDUM

To: Wells, Rocky Reach, and Rock Island HCPs Hatchery Committees **Date:** June 20, 2013
From: Mike Schiewe, Chair
Cc: Kristi Geris and Emily Pizzichemi
Re: Final Minutes of the May 15, 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, May 15, 2013, from 9:30 am to 1:30 pm. Attendees are listed in Attachment A to these meeting minutes.

ACTION ITEM SUMMARY

- Mike Tonseth will consult with Ken Warheit (Washington Department of Fish and Wildlife [WDFW] geneticist) and then provide the Wenatchee spring Chinook trapping/sampling protocols, including the genetic inclusion/exclusion criteria, to Emily Pizzichemi and Kristi Geris for distribution to the Hatchery Committees (Item II-A).
 - Lynn Hatcher will send a status update on Wenatchee spring Chinook permitting to Emily Pizzichemi and Kristi Geris for distribution to the Hatchery Committees no later than May 31, 2013 (Item II-A).
 - Emily Pizzichemi and Kristi Geris will arrange a conference line and distribute details to the Hatchery Committees for a conference call to review the status of Wenatchee spring Chinook permitting, scheduled for June 3, 2013, at 10:00 am (Item II-A).
 - Hatchery Committees representatives will provide the names of recommended statisticians, salmon ecologists, and hatchery biologists to serve on a technical peer review panel to rank responses to the Chelan PUD Hatchery Monitoring and Evaluation (M&E) Requests for Proposal (RFPs) to Mike Schiewe (with a copy to Kristi Geris) no later than June 3, 2013 (Item III-A).
 - Greg Mackey will revise the Wells Hatchery Summer Chinook Program Hatchery
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and Genetic Management Plan (HGMP) and Statement of Agreement (SOA) accordingly, as requested by the Hatchery Committees, and Emily Pizzichemi will distribute the revised documents to the Hatchery Committees no later than May 17, 2013 (Item IV-A).

*(*Note: the revised documents were received from Mackey and distributed to the Hatchery Committees by Pizzichemi on May 16, 2013; and the revised HGMP and SOA were approved by email vote on May 22, 2013, with the Yakama Nation [YN], the Colville Confederated Tribes [CCT], the U.S. Fish and Wildlife Service [USFWS], WDFW, and Douglas PUD approving, and the National Marine Fisheries Service [NMFS] abstaining.)*

- Hatchery Committees representatives will send their approval or requested changes to the Wells Summer Chinook HGMP to Mike Schiewe (with copies to Emily Pizzichemi, Kristi Geris, and Greg Mackey) no later than May 22, 2013 (Item IV-A).
- Mackey will provide a list of critical sections in the Wells Hatchery Modernization Master Plan to help guide review to Emily Pizzichemi for distribution to the Hatchery Committees (Item IV-B). *(*Note: the list was received from Mackey and distributed to the Hatchery Committees by Pizzichemi on May 20, 2013.)*
- The Hatchery Committees June 19, 2013 meeting will be held at 9:00 am in the Chelan PUD Auditorium (Item VI-A).

STATEMENT OF AGREEMENT DECISION SUMMARY

- Douglas PUD's revised Wells Summer Chinook HGMP and SOA were approved by email vote on May 22, 2013, with the YN, CCT, USFWS, WDFW, and Douglas PUD approving, and NMFS abstaining.

AGREEMENTS

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

REVIEW ITEMS

- Emily Pizzichemi sent an email to the Hatchery Committees on May 14, 2013, notifying them that the Wells Hatchery Master Plan is available for download from
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the ftp site and is out for a 60-day review period, with comments due to Greg Mackey no later than July 13, 2013.

FINALIZED REPORTS

- There are no reports that have been recently finalized.

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

Mike Schiewe welcomed the Hatchery Committees and asked for any additions or other changes to the agenda. Bill Gale added a brief status update on permitting at the Leavenworth and Tumwater National Fish Hatcheries (NFHs).

The revised draft April 17, 2013 meeting minutes were reviewed. Four outstanding comments were discussed.

- Under the Agreements section, USFWS requested to clarify that natural-origin fish with Carson ancestry collected “at Methow Hatcheries” will be retained and used for broodstock.
- Regarding the Conflict of Interest Policy in the context of the M&E RFPs for PUD Hatchery Programs, Douglas PUD requested that Mike Schiewe’s statement be revised so as to not limit the definition of a conflict of interest to professional relationships.
- Regarding the discussion of the revised M&E Plan, Douglas PUD requested to clarify that the Chelan PUD SOA was approved contingent on the use of the same language as the revised Douglas PUD SOA.
- Regarding the Chelan Falls Summer Chinook Update, Mike Tonseth clarified that the emerging fish health issue with summer Chinook at Chelan Falls Hatchery was bacterial gill disease (BGD).

Emily Pizzichemi said that all other comments and revisions received on the draft meeting minutes were incorporated. The Hatchery Committees members present approved the April 17, 2013 meeting minutes as revised.

Action items from the last Hatchery Committees meeting on April 17, 2013, and follow-up discussions were as follows:

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

Emily Pizzichemi notified the Hatchery Committees that the Wells Hatchery Modernization Master Plan was available for download from the ftp site for a 60-day review beginning on May 14, 2013, with comments due no later than July 13, 2013.

- *Chelan PUD, Douglas PUD, Grant PUD, and the CCT will discuss proportional responsibilities for funding run-composition sampling at Wells Dam for summer Chinook; and an update will be provided on the discussions at the Hatchery Committees meeting on May 15, 2013 (Item I).*

Peter Graf said that Grant PUD is waiting to hear back from WDFW before making a final decision on how to proceed. Alene Underwood proposed removing this item from the list of Action Items as the responsible parties are working on it. The Hatchery Committees representatives present agreed to remove this item from the Action Items with the stipulation that any problems regarding funding run-composition sampling at Wells Dam for summer Chinook are reported to the Hatchery Committees.

- *NMFS will have a standing agenda item to provide a HGMP update at future Hatchery Committees meetings (Item I).*

Craig Busack provided the first of these standing monthly updates at this meeting.

- *Greg Mackey will provide the final revised M&E Plan for PUD Hatchery Programs: 2013 to Kristi Geris for distribution to the Hatchery Committees (Item II-A).*

Kristi Geris distributed the final revised *M&E Plan for PUD Hatchery Programs: 2013* to the Hatchery Committees in an email dated April 19, 2013.

- *Douglas PUD and Chelan PUD will provide their final SOAs approving the Revised Analytical Framework 5-Year Update to Kristi Geris for distribution to the Hatchery Committees (Item II-A).*

Kristi Geris distributed the Final Douglas PUD and Chelan PUD SOAs to the Hatchery Committees in emails dated April 19, 2013, and April 22, 2013, respectively.

- *Representatives of the Hatchery Committees will submit recommendations for peer reviewers to participate along with Hatchery Committees members in the review of responses to the Chelan PUD Hatchery M&E RFPs (Item II-A).*

Hatchery Committees representatives will provide recommendations for peer reviewers to Mike Schiewe no later than June 3, 2013.

- *Alene Underwood will provide the final SOA for the Carlton Acclimation Facility Capacity Utilization to Kristi Geris for distribution to the Hatchery Committees (Item III-A).*

Kristi Geris distributed the final SOA for the Carlton Acclimation Facility Capacity Utilization in an email dated April 18, 2013.

- *Alene Underwood will provide the revised Spring Chinook Pilot Study at Rocky Reach to Kristi Geris for distribution to the Hatchery Committees no later than April 19, 2013; email approval of the pilot study will be requested from Hatchery Committees representatives no later than April 26, 2013 (Item III-A).*

Kristi Geris distributed the updated Rocky Reach Spring Chinook Pilot Study to the Hatchery Committees in an email dated April 22, 2013. Approvals or abstentions were received from all Committees representatives via email.

- *Lynn Hatcher will provide NMFS direction on what type of additional documentation is needed from the PUDs to obtain new permits for the existing Permit 1347 that will expire on October 22, 2013 (i.e., a full HGMP versus an updated program description) by Friday, April 26, 2013, including a timeline of when documents are needed, to Kristi Geris for distribution to the Hatchery Committees (Item IV-A).*

Lynn Hatcher said that he and Craig Busack are working on this item and will get back to the Hatchery Committees representatives with more information.

- *Hatchery Committees representatives will review Greg Mackey's white paper on Methods for Estimating Likelihoods of Outcomes in Broodstock-Collection prior to the Hatchery Committees May 15, 2013 meeting, when the Committees will discuss its use in developing future broodstock protocols (Item IV-D).*

Greg Mackey said that although this paper should be discussed because of its potential influence on future broodstock collection protocols, he recommended revisiting the topic at a later date.

II. NMFS

A. Monthly HGMP Update

Craig Busack said that the Entiat Biological Opinion (BiOp) was completed and signed on April 18, 2013. He said NMFS is currently working on consultations for the Mid-Columbia coho program, which requires two BiOps—one for construction of facilities and one for operations. Busack hopes to have the draft BiOp completed by June 2013. Busack said that

Amilee Wilson (NMFS) expects to complete the joint BiOp for the Chiwawa, Nason, and White River spring Chinook programs by June 14, 2013. Wilson has alerted Busack that completion of the National Environmental Policy Act (NEPA) Environmental Assessment (EA) for the Nason Creek and White River programs may cause a delay. Busack said that the Chiwawa spring Chinook program is currently covered by the existing Permit 1196; however, broodstock collection at Tumwater Dam (TWD) for the Nason program will require new permits. Busack added that the new permits will not be available until the NEPA packages are complete. Busack said that the Leavenworth NFH spring Chinook BiOp was delayed because it is being revised to fit a new BiOp template. NMFS is focusing on approval of the Wenatchee spring Chinook BiOp before finalizing the Leavenworth NFH spring Chinook BiOp.

Busack reiterated that the probable completion date for the Chiwawa spring Chinook BiOp is June 14, 2013. Joe Miller asked what ramifications this new deadline will have on the broodstock collection schedule, and Mike Tonseth replied that the biggest issue with the delayed timeline is getting staff prepared on short notice. Alene Underwood said that even though the rivers are running high right now, it is possible that the spring Chinook run will reach Chiwawa soon. Underwood said that the existing permit can be used to collect spring Chinook at the Chiwawa weir if the fish start to run before June 14, 2013, when the new permit is issued for collection at TWD. Bill Gale said that, from the USFWS perspective, collecting at TWD would be preferable, but Kirk Truscott said that sampling and collecting at TWD will require new permits. Tonseth said that with the expected permit completion date of June 14, 2013, broodstock collection can begin as early as June 17, 2013, but it will be a rush to deploy staff.

Underwood asked about the broodstock genetic testing turnaround time for spring Chinook collected at TWD, and Tonseth said that he received more information from Ken Warheit (WDFW geneticist) to discuss at the Priest Rapids Coordinating Committee Habitat Subcommittee (PRCC HSC) meeting on May 16, 2013. Underwood requested that the topic also be discussed today for the benefit of the Hatchery Committees. Tonseth said that genetic testing is expected to take about 4 business days, or less if there is a rush. He said this timeline fits the original proposal time of a 2-week holding period for individual fish, and that hatchery staff will be expected to maintain this schedule. Underwood requested a

written protocol to discuss with hatchery staff. Tonseth replied that he is setting up a meeting for the week of May 20, 2013, to discuss the holding plan protocol, and Underwood asked to be included in the discussion. Miller expressed concern about the lack of genetic criteria for inclusion/exclusion in broodstock for each of the Wenatchee spring Chinook programs. Tonseth replied that Warheit is currently travelling and unavailable, but that he will compile more details early next week, including a scope of work and a budget for the genetic testing component. He added that he will eventually arrange a conference call to review everything with the Hatchery Committees.

Hatcher asked Tonseth about starting sampling on June 17, 2013, particularly with the NEPA process not expected to be completed until June 14, 2013. Hatcher suggested that the public review period could delay the sampling start date even more. Busack stressed that June 14, 2013, is a tentative deadline and that he will have to verify when the public comment period opens and closes. Schiewe said that Underwood's idea of setting up a contingency plan is relevant and that WDFW and Chelan PUD may have to collect spring Chinook at the Chiwawa weir under the existing permit authority. Tonseth said that there is a difference of opinion on how sampling at Chiwawa weir may affect bull trout. Gale said that, as far as USFWS is concerned, operating the Chiwawa Weir and TWD collection facilities simultaneously is not recommended because of potential impacts on bull trout and he cannot guarantee USFWS support of dual operation. Busack asked about USFWS's permit coverage and Gale said that the state currently has Section 6 coverage for blanket fish actions. Truscott added that the state's Section 6 coverage explicitly mentions Chiwawa. Tonseth cited conversations he previously had with Karl Halupka and said that they currently have coverage under Section 6 provided WDFW is the operator. He said that if they move forward with collecting broodstock at the Chiwawa weir, WDFW will approve the sampling. Gale said that he supports broodstock collection at TWD under a new permit and not running Chiwawa.

Keely Murdoch asked when staff will begin work on the reproductive success study and suggested loading the computer (at TWD) with passive integrated transponder (PIT)-tag files for definitive identifications, and Tonseth agreed. She said that if fish are getting handled at TWD regardless, then it makes sense to collect those that can be positively identified as natural origin Chiwawa adults at TWD to avoid double-handling and recollection at the

Chiwawa Weir. Josh Murauskas supported Murdoch's idea, and said that there are many PIT-tags from Chiwawa on wild fish—last year there were over 74. Tonseth agreed that PIT-tags can certainly be used for identification if they are linked to the weir computer system. Tonseth said that he hopes to have a clear indication by the end of May 2013 as to whether or not June 14, 2013, is a feasible deadline. Schiewe requested that NMFS provide a permit update no later than May 31, 2013, and Emily Pizzichemi will set up a conference call for June 3, 2013, to discuss the update from Busack with the Hatchery Committees representatives.

Busack gave an update on the permit 1347 programs, which include the non-listed summer and fall Chinook programs. He said that NMFS intends to issue a 10-year extension on the permits, which will expedite the consultation process. The process will still require issuing a BiOp; however, he said that the same EA can be used. Busack said that this has already been completed for the Wenatchee summer Chinook program and that he believes that he has all of the appropriate information for the other programs. Gale asked if they are required to have a separate consultation for bull trout, and Busack proposed that he and Gale discuss the issue outside of the meeting. For the Okanogan programs, Busack said that he needs an HGMP on steelhead from the CCT as soon as possible.

Busack said that BiOps also must be written for the section 10(j) programs (i.e., experimental populations). In order to expedite the NEPA process, he said that he plans to use the Chief Joseph Dam Environmental Impact Statement (EIS) and the Bonneville Power Administration permit to cover the substitution of MetComp fish for Carson fish. Gale asked how many BiOps have to be written, and Busack said that separate BiOps are needed for the hatchery action (holding fish) and release of fish. Busack said that the hatchery BiOp needs to be completed as soon as possible so that the CCT can legally possess the fish. Truscott said he is concerned that if the release permit fails after he has already acted on the transfer authorization, he will be stuck holding fish. He added that if the CCT accepts the fish before they have the section 10(j) permit, they would be releasing *endangered* spring Chinook instead of *threatened* spring Chinook. Hatcher said that, considering this fact, they would need permits by April 2014 because, once the fish are released, they are technically covered under section 10(j). He added that the EA and BiOp on the release action are already underway, and so the entire process should be complete by fall 2013. Gale asked if the two

different permitting processes (hatchery holding and release effects) are dependent or if they can be exclusively finalized, and Busack said that they can be separately filed. Gale asked about public comment and Busack said that he has not yet set a date, but would like to put out all of the Methow and Okanogan HGMPs at the same time.

Busack said that there has been considerable discussion within NMFS recently about whether the currently contemplated permits for the Methow basin are *U.S. v. Oregon* compliant. He said that they are currently finalizing the details in the proposals for spring Chinook and steelhead; and will be asking the Hatchery Committees for comments and/or formal approvals. He highlighted the new items in the General Management Framework for Methow Spring Chinook and Steelhead (Attachment B), which was distributed to the Hatchery Committees by Pizzichemi on May 14, 2013. Specifically for spring Chinook, Busack said that the framework includes a requirement for a relative reproductive success study to determine if hatchery-origin fish spawning in the vicinity of hatchery outfalls are contributing to natural production, and if the estimated percentages of hatchery origin spawners (pHOS) have been adjusted to reflect this. He said that this is not intended to be a large study, but rather just a few years of monitoring. For steelhead, Busack said that the previous pHOS values may have been optimistic, and so he has proposed a 2-stage standard—a pHOS of 0.5 over the entire basin (October 2013 to October 2020); and a pHOS of 0.50 calculated over the entire basin, with 0.25 in half of the “production area” (October 2020 to October 2023). Murdoch offered several comments on the draft Management Framework document. Regarding spring Chinook, she considered the hatchery outfall area “artificial,” a place where wild fish and hatchery fish interaction is minimal, and she thinks that this area should be discounted from the pHOS calculation. She claimed that in this area, the hatchery fish are not contributing to natural origin recruit (NOR) fish productivity. Busack said that natural production by hatchery fish, whether or not they mix with the wild fish when reproducing, is the issue, because such production ultimately introduces hatchery genetics into the natural population. Murdoch agreed that data should be collected, but she maintained that it should not be used to adjust pHOS value. Greg Mackey suggested that a few years of data under the forthcoming management regime with reduced fish numbers, adult management activities, and potentially adjusted release locations, might help decide if there should be further studies conducted in the area. Gale agreed with Busack that the fish in that area should be considered and suggested that the BiOp be amended to allow for

revisions within the first 5 years of data collection. Regarding steelhead, Murdoch said that she is concerned that the Phase II pHOS goal of 0.5 may be too restrictive given the current state of the run. She asked, for example, what happens if they hit pHOS = 0.6 but are still seeing positive trends in the population, will they have to move fish down to the Columbia? Murdoch also suggested adding adaptive management language to the draft Framework. Busack said that he anticipated using a 3-year geometric mean for pHOS and not assessing pHOS on a one-year basis. Gale suggested revising the Management Framework so that the initial targets for pHOS are moving toward a Phase II goal. Regarding Methow steelhead (i.e., Attachment B, page 3, Overall point 3), Mackey reminded the Hatchery Committees representatives that the previously agreed-upon total steelhead release was 250,000 individuals, which is what the HGMPs reflect, but this new draft Management Framework has 350,000 as the upper limit. Schiewe suggested that if the upper limit (i.e., 350,000) was a change from what had previously been agreed to in approval of the HGMP, then it should be brought back to the Hatchery Committees for discussion regardless of *U.S. v. Oregon*. Gale noted that the Wells HGMP states that the upper basin limit for steelhead release is 150,000. Tonseth pointed out that once the fish move from the upper Methow to the lower Methow, they can be moved to the Columbia River if necessary. Mackey recommended that the limit should be 250,000, regardless of where they come from—not 250,000 from the upper basin and 350,000 overall (as written in the draft Management Framework). Busack said that he thought the Hatchery Committees previously agreed that 250,000 should come from the upper basin. Gale said that if the draft Management Framework is left as it is currently written, once permits are obtained, *U.S. v. Oregon* will need to approve increasing the count from the upper basin from 150,000 to 250,000.

Busack said that because agreement cannot be reached on the new spring Chinook monitoring measure, NMFS may change the pHOS standard from a flat value to a sliding scale to allow for adaptive management. NMFS may also change the total steelhead release number back to 250,000 individuals. Busack said that he will amend and discuss the revised document at the next Joint Fisheries Parties (JFP) conference call. Schiewe reminded Busack that Hatchery Committees approval is independent of *U.S. v. Oregon* approval. Schiewe suggested that Busack include the PUDs in these discussions.

Busack said that NMFS recently received Chelan PUD's permit application detailing their portion of the Methow spring Chinook program. Chelan PUD proposed releasing spring Chinook at two acclimation sites in the Methow, and Busack asked the Hatchery Committees members for their input. Miller said that there is no new information in the plan—just a scope of activities, as discussed previously with the Committees.

III. Chelan PUD

A. Suggestions for M&E RFP Technical Review Panel (Alene Underwood)

Alene Underwood asked Hatchery Committees representatives to recommend people for the M&E RFP Review Panel. Mike Schiewe requested that all suggestions be sent to him (with a copy to Kristi Geris) via email no later than June 3, 2013. He suggested identifying potential reviewers by areas of expertise, and added that potential reviewers should include statisticians, salmon biologists, hatchery biologists, and any other fields of study that the Hatchery Committees deem applicable. Bill Gale said that he has already approached two people—Barry Berejikian of NMFS and Brian Cates, USFWS retired. Gale said that he would like to provide more information about compensation, and Underwood replied that Chelan PUD will fund all expenses related to the project, including travel. Lynn Hatcher recommended Larry Lestelle as a good salmon ecology expert. Underwood said that she anticipates that Chelan PUD will select a minimum of three reviewers, and the final number will depend on qualifications, availability, the number of proposal submissions, and the number of interested reviewers. Murauskas suggested that Chelan PUD compile a list of reviewers, assess their availability, and then come back to the Hatchery Committees for final review. Gale asked if Anchor QEA would facilitate the discussion and review process, and Underwood replied that Chelan PUD and Grant PUD will facilitate the process, but the reviewers will be independent. Murauskas described Chelan PUD's recent experience with a review panel for a sturgeon study, recalling that it consisted of three reviewers working independently; however, one also facilitated the group. Underwood added that for that particular review process, Chelan PUD also conducted an internal review and ranking process. The internal reviews and the expert panel reviews were both considered when making a final contract decision. She said that this RFP will follow a similar protocol. Murauskas recommended Dr. John Skalski for his statistical knowledge, and Dr. John Clark, the chief scientist for Alaska Department of Fish and Game (ADFG), for his salmon biology expertise. Murauskas said that Clark is a good choice because he is close enough to the

Columbia River to understand the issues, but far enough removed to provide a unique view. Keely Murdoch said that the YN hoped that no one would be removed from consideration based on their perceived views or opinions. Schiewe reminded the Hatchery Committees that non-conflicted members of the Hatchery Committees may sit on the panel, and clarified that a conflicted party includes individuals from agencies that are bidding on the project and responding to the RFP.

Underwood said that the RFP closes July 9, 2013, and that she would like the panel to begin the ranking process immediately upon closing. The Hatchery Committees agreed to discuss how to choose reviewers at the Hatchery Committees' June 19, 2013 meeting, once Chelan PUD has had a chance to compile the names and contact information of potential experts. Murdoch asked if the panel is only judging the scientific merit of the proposals or if they are making any final decisions about the study. Underwood confirmed that the panel is solely judging the scientific merit of the proposals in the context of the study, and that their rankings will only be used to inform Chelan PUD's final decision. Underwood also stated that Chelan PUD will be considering the cost effectiveness of each proposal, not necessarily the lowest cost, but the quality of work available for the proposed price.

Mike Tonseth said that he had questions about the RFP itself. He pointed out that sockeye were not mentioned at all, and Murdoch added that sockeye should be addressed because there is an M&E obligation to consider the species. Murauskas said the issue of whether or not the District will continue to fund the upper Wenatchee trap or other activities pertaining to sockeye monitoring has not been resolved, which is why sockeye was not included in the RFP. Tonseth asked if an addendum to the RFP will go out once all of the questions and issues have been resolved, and Underwood replied that Chelan PUD will internally discuss the sockeye question and apprise the Hatchery Committees once a decision is made. Underwood clarified that even though something is not contained within the RFP, that fact does not mean that the RFP does not cover it, and that it is precedent for outstanding issues such as this to be dealt with internally and then clarified to potential proposers in an addendum.

Tonseth asked, regarding spring Chinook in the Wenatchee River, whether the respective PUDs planned to fund hatchery programs independent of their dams. Murauskas replied

that there is a geographical dilemma—Grant PUD has responsibilities for Nason Creek and White River, whereas Chelan PUD has responsibility for the Chiwawa; therefore, Chelan PUD and Grant PUD will each assume responsibility for their own portion of the bill. Tonseth said that the language is misleading because it only mentions those three locations, when, in reality, assessing stray rates requires monitoring additional tributaries and reaches. Underwood stressed that the RFP is intended as a guide and that if a potential bidder does not already know that stray sampling also may occur outside of the Chiwawa (or other tributary), then they probably are not qualified to pursue the work. Tonseth asked why the other Mid-Columbia dams are not mentioned, and Murauskas replied that the Methow will be covered by Grant PUD and Douglas PUD in a separate RFP. The in-hatchery monitoring component for Chelan Falls will be addresses at a later date. Tonseth said that there is concern within WDFW about this RFP having too many last-minute changes and addenda. Underwood reminded the group to send all questions or concerns related to clarifications of the RFP to Jackie Krueger.

B. Rocky Reach Trap Pilot Update (Alene Underwood)

Alene Underwood said that Chelan PUD started operating the Rocky Reach trap during the week of May 13, 2013. She said that visibility was low due to high turbidity, and added that Chelan PUD is hopeful that the turbidity will abate in the near future. Tonseth asked if Chelan PUD is tracking days where high turbidity impedes visibility. He added that if turbidity compromises the ability to collect data, then the program might not be a viable undertaking. Underwood said that Chelan PUD keeps a daily log of water quality and that if the problem persists, they will consider different sampling options before shutting the program down completely. Underwood invited Hatchery Committees members to view the trap with the Coordinating Committees at the Coordinating Committees meeting on May 21, 2013, or at another convenient time.

IV. Douglas PUD

A. DECISION: Wells Summer Chinook HGMP/Program description (Greg Mackey)

Greg Mackey reminded the Hatchery Committees that the Wells Hatchery Summer Chinook HGMP and associated draft SOA were distributed to the Hatchery Committees for review by Kristi Geris on April 16, 2013. Mike Schiewe asked if the new program differs from the current program, and Mackey replied that Douglas PUD will be releasing the same number

of fish, but the HGMP incorporates the Hatchery Committee approved (Sept. 19, 2012) change in timing for release of subyearlings (revised from mid-June to mid-May), because this change has been shown to improve survival. Mackey said that the only other change is that up to 10 percent of the broodstock will be composed of NORs. Kirk Truscott said that, conceptually, this is a status quo program with the exception of the 10 percent NORs expectation. Tonseth said that the aim was to take as many NORs that enter the volunteer trap, with 10 percent as a goal but not a requirement. Mackey also added that the HGMP language should allow flexibility for years in which it is not possible to reach the 10 percent goal. Kirk Truscott suggested including a statement such as, “in any year that there will be a proposal to collect NORs at Wells, it will be addressed in the Broodstock Collection Agreement.” Tonseth agreed that the percentage will be a sliding scale based on the number of fish captured and that they will provide a proposal to the Hatchery Committees for NOR collection. Bill Gale said that a segregated harvest program like this one, by definition, does not typically include targeting NORs for broodstock. He expressed concern that the proposal was creating a hybrid of a segregated program and an integrated program. Gale said that he approves the “up to 10 percent” language, but is uncomfortable defining the numbers in terms of the volunteer channel. Tonseth clarified that using the volunteer trap for sampling is not targeting NORs, but natural-origin fish use the volunteer channel and can be incorporated into the broodstock. Lynn Hatcher agreed with Gale and was concerned that the language suggested that Douglas PUD would be targeting NORs at the dam. Mackey proposed that the language be amended to reflect that broodstock will be composed primarily of hatchery-origin adults, with up to 10 percent of natural-origin. If 10 percent natural-origin fish is expected to be exceeded in any given year, WDFW will present the supporting data and proposal to the Hatchery Committees for inclusion in the Annual Broodstock Collection Protocol. Tonseth added that 10 percent from the volunteer channel should be considered a baseline, but anything above 10 percent NORs—whether from the volunteer channel or from anywhere else—should be justified in the Broodstock Protocol.

Truscott recommended that the monitoring and evaluation indicator target values contained in the document be more specific because, as it is currently written, the values are merely defined as an unknown target value. Mackey said that the Hatchery Committee will be creating new target values for the new Hatchery M&E Plan, and that the M&E Plan will be updated with those values. He said that Douglas PUD will add a footnote to the document

saying that the target values are pending approval of the Hatchery Committees (The HGMP references the M&E Plan, so updates to the Plan are automatically linked to HGMP).

Truscott proposed that he and Tonseth have an outside discussion about how these new sampling protocols will affect the CCT because there will be fish from CCT-ceded land.

Keely Murdoch requested additional time for review prior to approving the HGMP. Mackey said that he will revise the SOA and the HGMP, making the discussed changes, and he will provide the revised documents to Emily Pizzichemi for distribution to the Hatchery Committees no later than May 17, 2013. (*Note: the revised documents were received from Mackey and distributed to the Hatchery Committees by Pizzichemi on May 16, 2013.*)

Hatchery Committees representatives will send their approval or requested changes to the Wells Summer Chinook HGMP to Schiewe (with copies to Pizzichemi, Geris, and Mackey) no later than May 22, 2013. (*Note: the revised HGMP and SOA were approved by email vote on May 22, 2013, with the YN, CCT, USFWS, WDFW, and Douglas PUD approving, and NMFS abstaining.*)

B. Discussion: Wells Hatchery Modernization Master Plan (Greg Mackey)

Greg Mackey reminded the Hatchery Committees that Emily Pizzichemi sent an email to the Hatchery Committees on May 14, 2013, notifying them that the Wells Hatchery Modernization Master Plan is available for download from the ftp site and is available for 60-day review, with comments due to him no later than July 13, 2013. Mackey noted that the new Wells Hatchery design uses gravity feed to convey water and transfer fish as they transition through different life stages—a process which is more energy efficient for the facility and more beneficial for the fish. He provided a brief explanation of the bio-programming section, which contains calculations for estimating growth and size and required rearing volumes and flows. Mackey said that Douglas PUD plans to host a workshop for the Hatchery Committees and invite HDR Engineering, Inc. (HDR), the firm that designed the facility update, to field questions about the upgrades. Schiewe suggested holding the workshop in early July 2013, because June 2013 is typically a very busy month for the Committees.

Bill Gale asked if there were specific sections of the Master Plan that could be identified to make review by the Committee more efficient. Gale added that having a list of critical areas

for review will help focus and guide the review process on such a large document. Tonseth recommended a close review of the fish health section to ensure that details are consistent with previous Hatchery Committees discussions. Mackey said that he will provide a list of critical sections in the Wells Hatchery Modernization Master Plan to help guide review to Emily Pizzichemi for distribution to the Hatchery Committees. (**Note: the list was received from Mackey and distributed to the Hatchery Committees by Pizzichemi on May 20, 2013.*)

Gale asked if Hatchery Committees approval of the Master Plan is needed. Mackey said he was not sure at this point, and that the Federal Energy Regulatory Commission (FERC) may require agency approval, which would be in the form of a SOA from the Hatchery Committees. Gale suggested that the Hatchery Committees' approval could be as simple as noting it in the meeting minutes. Schiewe asked Mackey when FERC needs the Hatchery Committees' approval because that will influence when the Hatchery Committees workshop with HDR is held, as it may influence their decision. Mackey said at this time there is no established date.

V. USFWS

A. National Fish Hatchery Update (Bill Gale)

Bill Gale said that USFWS is behind schedule installing the water-reuse circular tanks at Leavenworth NFH due to construction problems. He said installation has been delayed by a leaky pipe, which remains unresolved. Gale said that some renovations are still moving forward; however, he estimated they are about a year behind schedule.

Gale said that WDFW approached USFWS about taking adult spring Chinook from TWD if the appropriate permitting is obtained. He said that Leavenworth NFH has agreed to house the adults for a 3-day AQUI-S® withdrawal period and that the two agencies are currently discussing logistics of the arrangement.

VI. HCP Administration

A. Next Meetings

Mike Schiewe said that Andy Chinn from the PRCC HSC contacted him about potentially sharing the Hatchery Committees meeting date and location on June 19, 2013. Schiewe said

that, if these plans are amenable, he proposed beginning at 9:00 am to accommodate the PRCC HSC meeting in the afternoon. The Hatchery Committees meeting on June 19, 2013 will be held at 9:00 am in the Chelan PUD Auditorium.

The next scheduled Hatchery Committees' meetings are on June 19, 2013 (Chelan PUD Auditorium); July 17, 2013 (Douglas PUD office); and August 21, 2013 (Chelan PUD).

List of Attachments

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| Attachment A | List of Attendees |
| Attachment B | General Management Framework for Methow Spring Chinook and Steelhead |

Attachment A
List of Attendees

Name	Organization
Mike Schiewe	Anchor QEA, LLC
Emily Pizzichemi	Anchor QEA, LLC
Alene Underwood*	Chelan PUD
Joe Miller	Chelan PUD
Josh Murauskas*	Chelan PUD
Greg Mackey*	Douglas PUD
Tom Kahler*	Douglas PUD
Peter Graf	Grant PUD
Keely Murdoch*	Yakama Nation
Kirk Truscott*	Colville Confederated Tribes
Lynn Hatcher*	National Marine Fisheries Service
Craig Busack*†	National Marine Fisheries Service
Bill Gale*	U.S. Fish and Wildlife Service
Mike Tonseth*	Washington Department of Fish and Wildlife

Notes:

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