

FINAL MEMORANDUM

To: Wells, Rocky Reach, and Rock Island HCPs Hatchery Committees
Date: July 26, 2013

From: Mike Schiewe, Chair

Cc: Kristi Geris

Re: Final Minutes of the June 19, 2013 HCP Hatchery Committees Meeting

The Wells, Rocky Reach, and Rock Island Hydroelectric Projects Habitat Conservation Plans (HCPs) Hatchery Committees' meeting was held at Chelan PUD headquarters in Wenatchee, Washington, on Wednesday, June 19, 2013, from 9:00 am to 11:30 am. 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 Kristi Geris for distribution to the Hatchery Committees (action item carried forward from Hatchery Committees meeting on May 15, 2013).
 - The National Marine Fisheries Service (NMFS) will provide a letter of concurrence for transport back to the river of Wenatchee spring Chinook adults collected for the Nason Creek and Chiwawa River programs that do not assign to either Nason Creek or Chiwawa River (Item II-A). (*Note: NMFS provided approval for transport back to the river of Wenatchee spring Chinook adults not assigning to either Nason Creek or Chiwawa River via email on June 19, 2013.*)
 - Lynn Hatcher will distribute an update on the status of Wenatchee spring Chinook permitting to the Hatchery Committees prior to June 27, 2013 (Item II-A).
 - Kristi Geris will arrange a conference line to review the status of Wenatchee spring Chinook permitting and potential paths forward, scheduled for June 27, 2013, at 10:00 am (Item II-A).
 - Greg Mackey will arrange and distribute a date for the Wells Hatchery Master Plan Workshop, planned to discuss engineering aspects of the modernization with HDR
-

Engineering, Inc. (HDR) (Item IV-B).

- Greg Mackey will develop an agenda for the next Hatchery Monitoring and Evaluation (M&E) Workgroup meeting, to be attached to the doodle poll distributed to arrange the meeting (Item IV-C).

STATEMENT OF AGREEMENT DECISION SUMMARY

- No Statements of Agreement (SOAs) were approved at today's meeting.

AGREEMENTS

- Hatchery Committees representative approved the Chelan PUD Methow Spring Chinook Hatchery and Genetic Management Plan (HGMP) Addendum via email on June 3, 2013.
 - Hatchery Committees representatives present agreed to a shortened 14-day review period for Chelan PUD's full Methow Spring Chinook HGMP (Item II-A).
 - Grant PUD concurred with WDFW's request to begin Wenatchee spring Chinook broodstock collection for the Nason Creek and Chiwawa River programs of up to 136 natural origin spring Chinook adults at Tumwater Dam, contingent on Chelan PUD's concurrence, and NMFS' approval for transport back to the river of adults not assigning to either Nason Creek or Chiwawa River (Item II-A).
 - Hatchery Committees members present agreed with WDFW's request to begin Wenatchee spring Chinook broodstock collection for the Nason Creek and Chiwawa River programs of up to 136 natural origin spring Chinook adults at Tumwater Dam, contingent on NMFS' approval for transport back to the river of adults not assigning to either Nason Creek or Chiwawa River (Item II-A).
 - NMFS approved via email on June 19, 2013, transport back to the river of Wenatchee spring Chinook adults collected for the Nason Creek and Chiwawa River programs not assigning to either Nason Creek or Chiwawa River (Item II-A).
 - Hatchery Committees representatives present approved the Columbia River Inter-Tribal Fish Commission's (CRITFC's) request to collect tissue samples from broodstock for parentage-based tagging (PBT) of Columbia River hatchery programs. The Colville Confederated Tribes (CCT), although they approved the request, declined to participate in 2013 (Item III-A).
-

- Hatchery Committees representatives present approved Grant PUD's request for Douglas PUD to produce 100,000 steelhead for release in the Okanogan at Wells Hatchery, and 134,126 Methow River spring Chinook at the Methow Fish Hatchery (FH), for Grant PUD's respective programs (Item IV-A).

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 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

- The 2012 Annual Chelan PUD Hatchery M&E Report was finalized and posted to the ftp site on June 3, 2013.

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. The following revisions were requested:

- Mike Tonseth added a discussion of NMFS' HGMP update on spring Chinook permitting for the Nason Creek and Chiwawa River programs.
- Greg Mackey added a Grant PUD fish production request.
- Alene Underwood added an update on Chelan PUD's Methow Spring Chinook HGMP.
- Kirk Truscott added an update on Chief Joseph Wenatchee spring Chinook brood collection at Leavenworth National Fish Hatchery (NFH).

The revised draft May 15, 2013 meeting minutes were reviewed. Three outstanding comments were discussed regarding NMFS' HGMP update:

- It was clarified that NMFS is focusing on approval of the Wenatchee spring Chinook biological opinion (BiOp)—not steelhead BiOp—before finalizing the Leavenworth NFH spring Chinook BiOp.
-

- A statement made by Keely Murdoch was clarified to indicate that she considered hatchery outfall areas to be a place where wild fish and hatchery fish interaction is minimal—not that they do not interact at all.
- A statement made by Craig Busack was clarified to indicate 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*”—not that, “*NMFS believes that any and all genetic mixing, no matter how unlikely, should be considered.*”

Bill Gale also requested the following edits:

- Regarding U.S. Fish and Wildlife Service (USFWS) additions to the agenda, Gale clarified that he added a brief status update on Leavenworth NFH activities—not on permitting at Leavenworth NFH and Tumwater Dam.
- Regarding USFWS’ Leavenworth NFH update, Gale clarified that Leavenworth NFH has agreed to hold the adults for a 3-day AQUI-S® withdrawal period—not 30-day MS-222 withdrawal period.

Kristi Geris said that all other comments and revisions received on the draft meeting minutes were incorporated. The Hatchery Committees members present approved the May 15, 2013 meeting minutes as revised.

Action items from the last Hatchery Committees meeting on May 15, 2013, and follow-up discussions were as follows:

- *Mike Tonseth will consult with Ken Warheit (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).*

Tonseth said that he contacted Warheit and obtained the needed information; however, he has not yet amended the protocols. Tonseth requested that this action item be carried forward.

- *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).*
-

Amilee Wilson provided a National Environmental Policy Act/Endangered Species Act (NEPA/ESA) Wenatchee hatchery program consultation update on May 31, 2013, and Geris distributed the update to the Hatchery Committees the same day.

- *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).*

Geris arranged a conference line; however, the Hatchery Committees agreed that the conference call was not needed following receipt of Amilee Wilson's NEPA/ESA Wenatchee hatchery program consultations update.

- *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 M&E Requests for Proposal (RFPs) to Mike Schiewe (with a copy to Kristi Geris) no later than June 3, 2013 (Item III-A).*

Recommendations for potential peer reviewers were received from Hatchery Committees representatives.

- *Greg Mackey will revise the Wells Hatchery Summer Chinook Program HGMP and 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).*

Mackey provided the revised documents on May 16, 2013, and Pizzichemi distributed them to the Hatchery Committees the same day.

- *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).*

The revised HGMP and SOA were approved by email vote on May 22, 2013, with the Yakama Nation (YN), CCT, USFWS, WDFW, and Douglas PUD approving, and NMFS abstaining.

- *Greg 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).*

Mackey provided the list on May 20, 2013, and Pizzichemi distributed it to the Hatchery Committees the same day.

- *The Hatchery Committees June 19, 2013 meeting will be held at 9:00 am in the Chelan PUD Auditorium (Item VI-A).*

Noted.

II. NMFS

A. HGMP Update (Lynn Hatcher)

Okanogan Programs

Lynn Hatcher said that NMFS is continuing to work on the transfer of spring Chinook from Winthrop NFH to the CCT, and designation of this population as an ESA Section 10(j) experimental population. The Environmental Assessment (EA) will be available for a 60-day public review in July or August 2013, and then public meetings are planned for September or October 2013 to discuss the status of the EA. Hatcher said that BiOps are also planned to be completed no later than October 2013, which is a deadline that would allow the fall 2013 transfer of fish from Winthrop NFH to the acclimation ponds in the Okanogan and subsequent release in the spring of 2014 to initiate the experimental population. He said that in order to obtain permits, both the NEPA process and BiOps need to be complete; and the Section 10(j) designation finalized. Hatcher said that he expects no setbacks from the public meetings and that fish should be ready to transport come this fall. Kirk Truscott asked if the Section 10(j) permit could be issued before the NEPA. Mike Tonseth noted that WDFW was instructed that the BiOp and Section 10 permits may be issued prior to the EA; however, they are not effective until the EA is complete. Hatcher said that fish are not covered under Section 10(j) until they are released. Lastly, Hatcher said that NMFS is waiting for an Okanogan steelhead HGMP from the CCT.

Methow Programs

Hatcher said that agreement seems to have been reached among *U.S. v. Oregon* parties regarding Methow steelhead and spring Chinook. He said that the existing EA was determined sufficient, but a supplemental EA is still needed for the Chelan PUD spring Chinook program; Hatcher added that this supplemental EA is planned to be complete by October 2013. Bill Gale asked what discussions NMFS, Douglas PUD, or Grant PUD have had with Karl Halupka (USFWS) on program interactions with bull trout, and Hatcher replied that NMFS has been in constant communication with Halupka. Greg Mackey said that when Douglas PUD completed relicensing for Wells Dam, a full bull trout consultation

with USFWS was completed, which Douglas PUD supplied to NMFS. He added that Grant PUD programs at Douglas PUD facilities are also covered under Douglas PUD's consultation, so long as they are tied to Douglas PUD's facilities and operations. Hatcher said that the addendums for the approved Methow FH and Winthrop NFH HGMPs do not deviate significantly from what was already approved by the Hatchery Committees, and do not require an additional review by the Committees. He also said that the Methow Basin spring Chinook BiOp will include Chelan PUD's 61,000 Methow spring Chinook obligation. However, Alene Underwood said that she had heard otherwise from Craig Busack. Underwood also said that although NMFS had already stated that an addendum would be acceptable for the Chelan PUD Methow spring Chinook program, as described in an email distributed to the Hatchery Committees by Busack on June 3, 2013, NMFS is now requesting a full HGMP. Hatcher explained that NMFS approved the Winthrop NFH spring Chinook HGMP and Methow FH spring Chinook HGMP, and their supplements, but had not yet approved (or received) Chelan PUD's Carlton Rearing Pond spring Chinook HGMP. He said that Chelan PUD's HGMP for the Carlton Rearing Pond is necessary before NMFS can complete the Methow Basin spring Chinook BiOp. She asked the Hatchery Committees if they would approve a shortened review period for the full Chelan PUD Methow Spring Chinook HGMP in consideration of the timeline. Hatchery Committees representatives present agreed to a shortened 14-day review period of Chelan PUD's Methow Spring Chinook HGMP, and Underwood said that she hopes to get a draft out for review within the next 3 weeks.

Wenatchee Programs

Hatcher said that the existing NEPA documentation was determined sufficient for Wenatchee steelhead, but the Wenatchee steelhead BiOp will be on hold until after the spring Chinook BiOp is complete. He said that NMFS is currently working to complete the joint BiOp for the Chiwawa River, Nason Creek, and White River spring Chinook programs, along with the EA for Nason Creek. He said that once those are complete, NMFS will then focus on completing the Leavenworth spring Chinook BiOp. Hatcher said that signature pages will be needed from the PUDs and the State of Washington before permits are effective. Hatcher said that public comment on the Nason Creek spring Chinook EA ended on June 14, 2013, and the EA was sent to Washington D.C. for final review and signature. He also noted that about 30 pages of supporting information were added to the draft BiOp;

however, the analyses themselves were not changed. Underwood added that the BiOp format also changed, and additions were made to the sections on genetics, discussion of strays, and effects analysis. Tonseth asked that NMFS highlight the revisions to expedite a quicker final review.

Collection of Spring Chinook for Nason Creek and Chiwawa River Programs

Tonseth said that he recently distributed a revised spring Chinook adult return update that projected that approximately 40 percent of the run will pass Tumwater Dam by June 22, 2013. He said that, currently, the run is about 20 to 25 percent wild in composition; and that broodstock collection for the Nason Creek and Chiwawa River programs needs to begin as soon as possible. In light of this new information, as described in an email distributed to the Hatchery Committees by Kristi Geris on June 18, 2013, WDFW requested concurrence from NMFS to begin broodstock collection of up to 136 natural origin spring Chinook adults at Tumwater Dam, under and consistent with the current amended Section 10 Permit 1196. NMFS concurred that WDFW's request was consistent with the current amended Section 10 Permit 1196 (NMFS 2004) which states that, "*Of the combined total number of naturally produced spring Chinook salmon adults and jacks that return to the Chiwawa River and Nason Creek each year, WDFW may retain no more than 400 or one-third, whichever is less, for broodstock to meet the smolt production levels of the program. The ESA-listed adult Chinook salmon retained for broodstock may be transferred to transport vehicles and transported to holding/spawning facilities.*"

Tonseth said that once new permits are obtained, collection will default to the original broodstock collection plan of 172 adults as described in the 2013 Broodstock Collection Protocols. Underwood said that although NMFS concurred with the collection and transport of broodstock, Chelan PUD's concern is that the current permit does not cover transport back to the river of adults not assigning to either Nason Creek or Chiwawa River or fish in excess of Program needs. Tonseth noted that releasing unassigned fish back to the river is an activity that already has precedence; and said that WDFW is ready to assume liability for hauling unassigned fish back to the river. Underwood said that Chelan PUD appreciates the offer, but as co-signatories on the permit, Chelan PUD must also assume liability and potential take. Underwood requested that NMFS provide written confirmation that transport back to the river of adults not assigning to either Nason Creek or Chiwawa River is

covered under the current Section 10 Permit 1196. Underwood noted that Grant PUD also needs to approve the proposed path forward, and Shannon Lowry said that Grant PUD concurs with WDFW's request to begin Wenatchee spring Chinook broodstock collection for the Nason Creek and Chiwawa River programs of up to 136 natural origin spring Chinook adults at Tumwater Dam, contingent on Chelan PUD's concurrence, and NMFS' approval for transport back to the river of adults not assigning to either Nason Creek or Chiwawa River. Hatchery Committees members present also agreed with WDFW's request to begin Wenatchee spring Chinook broodstock collection for the Nason Creek and Chiwawa River programs, contingent on NMFS' approval for transport back to the river of adults not assigning to either Nason Creek or Chiwawa River. Hatcher said that NMFS will provide a letter of concurrence for transport back to the river of Wenatchee spring Chinook adults collected for the Nason Creek and Chiwawa River programs not assigning to either Nason Creek or Chiwawa River. *(Note: NMFS provided approval for transport back to the river of Wenatchee spring Chinook adults not assigning to either Nason Creek or Chiwawa River via email on June 19, 2013.)*

Gale asked if agreement is reached for spring Chinook brood collection for the Nason Creek and Chiwawa River programs, will the revision also be considered approved in the 2013 Broodstock Protocols. Tonseth replied that the protocols will still need to be revised; then reviewed and approved by the Hatchery Committees; and then sent to NMFS for final approval. With regards to a spring Chinook timeline, Hatcher will distribute an update on the status of Wenatchee spring Chinook permitting to the Hatchery Committees prior to June 27, 2013, and Geris will arrange a conference line to review the status of Wenatchee spring Chinook permitting and potential paths forward, scheduled for June 27, 2013, at 10:00 am.

III. WDFW

A. DECISION: CRITFC Request to Conduct Genetic Sampling for PBT of Columbia River Hatchery Programs (Mike Tonseth and Tom Scribner)

Mike Tonseth said that CRITFC's 2013 request to conduct genetic sampling of broodstock for PBT of Columbia River hatchery programs is consistent with the 2012 request that was presented at the Hatchery Committees meeting on March 28, 2012; he added that, like last year, the request is a 1-year agreement. CRITFC's proposal to conduct a second year of

genetic sampling (samples to be archived for possible future use) for PBT of Columbia River hatchery programs (Attachment B) and general tissue sampling protocol for PBT were distributed to the Hatchery Committees by Kristi Geris on June 11, 2013. Tom Scribner also provided additional background information that Geris distributed to the Hatchery Committees on June 12, 2013, including: a PBT geographic range graphic; a media release from the Canadian Journal of Fisheries and Aquatic Sciences (CJFAS) on technology used to genetically tag fish in the Snake River Basin titled, “It’s all in the genes — including the tracking device”; and a 2012 paper that was published in CJFAS titled, “Validation of Parentage-Based Tagging for hatchery steelhead in the Snake River basin” by Steele et al.

Tonseth said that some agencies, including WDFW, still have some concerns about the project, such as long-term funding for genetic analyses, access to the database, and who maintains the database. However, he expected these issues will be resolved and WDFW supports collection of the sample for another year. He said that, as was the case last year, Maureen Hess, CRITFC, will provide the supplies needed to conduct sampling. Scribner said that genetic sampling for PBT is expanding rapidly. He acknowledged that there are some associated costs but he said that he sees no downside, conceptually, to participating.

Bill Gale said that USFWS has concerns similar to those of WDFW; however, they are supportive of the intent, and have agreed to collect samples at Leavenworth NFH and Winthrop NFH. He said that USFWS is not planning to sample summer Chinook at Entiat NFH, and added that it was his understanding that CRITFC was not focusing on non-listed species at this time. Tonseth clarified that CRITFC was initially only interested in listed species; however, based on those samples, they have decided to also include non-listed species. He said that, in 2012, samples of non-listed species were obtained from Priest Rapids Fish Hatchery, and added that Hess indicated very clearly that CRITFC will supply staff to collect samples, if needed. Charlie Snow said that, in 2012, summer Chinook at Wells Dam were also sampled. He said that Hess was on site for one day of sampling. Alene Underwood said that Chelan PUD is supportive of the proposal, and Tonseth said that samples were collected last year for Chelan PUD programs. Kirk Truscott said that the CCT supports the proposed sampling; however, the CCT will not participate in 2013. He said that the CCT would like to establish and refine Chief Joseph FH’s broodstock protocols before considering additional procedures. The Hatchery Committees representatives present approved

CRITFC's request to conduct genetic sampling for PBT of Columbia River hatchery programs.

IV. Douglas PUD

A. Grant PUD Fish Production Request (Greg Mackey)

Greg Mackey said that each year, Grant PUD submits a request to Douglas PUD to produce fish for Grant PUD programs. He said that Hatchery Committees representatives have routinely approved the request as long as it does not impact Douglas PUD's HCP production. Mackey said that this year, Grant PUD is requesting that Douglas PUD produce 100,000 steelhead for release in the Okanogan at Wells Hatchery, and 134,126 Methow River spring Chinook at the Methow FH. Mackey said that both requests can be comfortably accomplished without placing Douglas PUD programs at risk. Hatchery Committees representatives present approved Grant PUD's request.

B. Wells Hatchery Master Plan Workshop (Greg Mackey)

Greg Mackey recalled that the Hatchery Committees had requested that Douglas PUD arrange a Wells Hatchery Master Plan Workshop to discuss design aspects of the modernization with HDR. He said that Douglas PUD still plans to hold a workshop; however, dates have not yet been solidified. He added that tentative dates are in early July or early August 2013, and that, ideally, Douglas PUD would like to hold the workshop early enough in the design process such that comments and revisions can be addressed and incorporated into the plans without setting back the schedule. Mackey said that the workshop would probably not be scheduled on a Hatchery Committees meeting date, and that the venue would likely be the Douglas PUD office—not Wells Hatchery. He said that comments on the Wells Hatchery Master Plan are due on July 13, 2013, and Bill Gale suggested holding the workshop prior to the comment deadline. Mackey said that he will arrange and distribute a date for the Wells Hatchery Master Plan Workshop. Gale asked if the comment deadline can be delayed in the event that the workshop cannot be scheduled before the July 13, 2013 comment deadline, and Mackey replied that the comment period will remain the same, and that any comments from the workshop will still be considered.

C. Hatchery M&E Plan Assessment Targets (Greg Mackey)

Greg Mackey said that two doodle polls have been distributed trying to reconvene a Hatchery M&E Workgroup. He said there are two issues that remain to be discussed: 1) layout of information in the appendices; and 2) content to be included in the appendices. Mike Tonseth noted that some content may remain blank for some time. Mike Schiewe also noted that if there are some appendices that are not common to all three HCPs and the Grant PUD Settlement Agreement, it would make sense to address those issues in separate meetings, so as to use everyone's time more effectively. Mackey said that he will develop an agenda for the next Hatchery M&E Workgroup meeting. The agenda will be attached to a doodle poll that will be distributed to arrange the meeting.

V. Chelan PUD

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

Alene Underwood said that recommendations for potential peer reviewers were received from Hatchery Committees representatives. She said that Chelan PUD plans to contact the recommended reviewers to see who is available and interested in participating on the panel. Underwood said that Chelan PUD also held a mandatory pre-proposal conference for interested proposers, which she reported had a good turnout. Underwood said that once a list of available reviewers is compiled, the list will be shared with the Hatchery Committees. She said that proposals are due on July 9, 2013, and she estimated that the technical review panel would begin reviews by July 15, 2013. She added that Chelan PUD and Grant PUD are still discussing how to facilitate the process.

B. Chelan PUD Methow Spring Chinook HGMP (Alene Underwood)

Alene Underwood said that this agenda item was adequately discussed during NMFS' HGMP update.

VI. CCT

A. Chief Joseph Wenatchee Spring Chinook Brood Collection at Leavenworth NFH (Kirk Truscott)

Kirk Truscott said that USFWS, WDFW, and the CCT had been examining passive integrated transponder (PIT) tag data coming into Leavenworth NFH, and, due to low return projections, the CCT had recently decided to close the CCT spring Chinook fishery on the Icicle River.

He also noted that the YN had delayed expanding their fishery in Icicle Creek. Truscott said that to date, 132 adult females, 62 adult males, and 40 jacks have been obtained for CJH broodstock; and over the weekend, there was a pulse of water and a good number of additional Chinook have come in to Leavenworth NFH. Current projections are that a full broodstock for CJH is likely; therefore, the CCT is planning to reinitiate the CCT spring Chinook fishery on the Icicle River.

VII. HCP Administration

A. Chelan PUD Change in Hatchery Committee Representation

Mike Schiewe announced that Keith Truscott provided notification of a change in Chelan PUD HCP Hatchery Committee representation on June 14, 2013, designating Alene Underwood as the new Chelan PUD HCP Hatchery Committee lead representative.

B. Next Meetings

The next scheduled Hatchery Committees' meetings are on July 17, 2013 (Douglas PUD office); August 21, 2013 (Chelan PUD); and September 18, 2013 (Douglas PUD).

List of Attachments

Attachment A	List of Attendees
Attachment B	CRITFC's proposal to conduct a second year of genetic sampling for PBT of Columbia River hatchery programs

Attachment A
List of Attendees

Name	Organization
Mike Schiewe	Anchor QEA, LLC
Kristi Geris	Anchor QEA, LLC
Alene Underwood*	Chelan PUD
Greg Mackey*	Douglas PUD
Tom Kahler*	Douglas PUD
Todd Pearsons	Grant PUD
Andy Chinn	Grant PUD
Shannon Lowry	Grant PUD
Peter Graf	Grant PUD
Tom Scribner*†	Yakama Nation
Kirk Truscott*	Colville Confederated Tribes
Lynn Hatcher*	National Marine Fisheries Service
Bill Gale*	U.S. Fish and Wildlife Service
Mike Tonseth*	Washington Department of Fish and Wildlife
Charlie Snow†	Washington Department of Fish and Wildlife

Notes:

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