

Cowlitz Hydroelectric Project
FERC No. 2016
Cowlitz Fisheries Technical Committee
Final Meeting Summary
June 4, 2024 from 9:30 – 2:30

FTC Representative Attendees:

Melora Shelton	TPU
Bryce Glaser	WDFW
Amy Kocourek	NMFS
Jonathan Stumpf	TU
Anne Baxter	ECY

Additional Attendees:

Thomas Starkey Owens	ECY
Josua Holowatz	WDFW
Brian Gale	WDFW
John Serl	WDFW
Kris Warner	WDFW
Todd Hillson	WDFW
Sean Toomey	WDFW
Doug Robison	WDFW
Larona Newhouse	WDFW
Kevin Young	WDFW
Chris Vaughn	TPU
Matt Peter	TPU
Matt Bleich	TPU
Eric Shoblom	TPU
Scott Gibson	TPU
Saul Villarreal	TPU
Steve Manlow	LCFRB
Steve West	LCFRB
Michael Boyles	BPA
Ann Weckback	Lewis County
Laura Wolfe	LCPUD
Lyn Wiltse	PDSA Consulting / Facilitator

Public Attendees: Larry Pryor, Jack Tipping, Randy LeDuc, Steve Emrich, and Carol Serdar Tepper

2024 FTC Meeting Dates: In-person meetings will include a remote option. Aug. 6, Sept. 3 (in person), Oct. 1, Nov. 5, Dec. 3 (in person)

Quotable Quote: “There’s no good reason for anyone to jump out of a perfectly good plane!”

Approval of May Meeting Summary

The revised version of the May FTC Meeting Summary was reviewed and approved with clarifying edits and will be posted for public review.

Announcements

- Matt Bleich announced that Travis Nelson’s employment with Tacoma Power ended on May 17. Matt will be working quickly to back fill the position of FERC License Coordinator and is acting in that role on an interim basis. He welcomes any suggestions of candidates. In the meantime, Melora Shelton will be assuming the interim FTC Coordinator duties. In this role she will be Tacoma’s voting member, facilitate the meetings, coordinate with FTC members during and outside of meetings and be Tacoma’s point of contact as questions arise.
- We were pleased to welcome Chris Vaughn to the FTC. Chris has been hired into Tacoma’s Science and Research Group and will be helping to coordinate the M&E meetings. His Manager Jenise Bauman will also be joining us at future meetings.

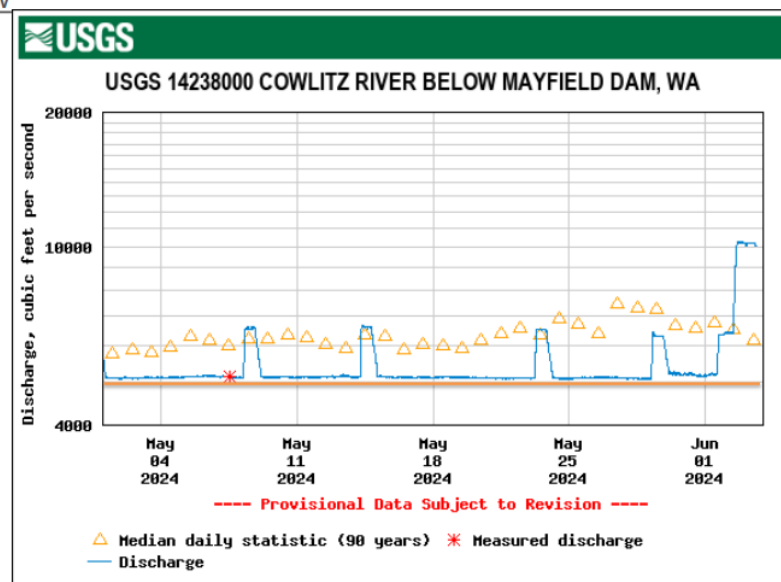
Updates

Hydro Operations (presentation emailed on June 3)

Melora described the following:

- Inflows: April and May inflows were extremely low (67 and 70% of the historical average).
- Storage: Snowpack is below average and rapidly diminishing. Riffe Lake elevation is up to 746 ft, above the recent 5-year average. Both Mossyrock ramps and North Taidnapam are open.
- Outflow: Tacoma had been operating near the minimum flow of 5K cfs since February (plus fish transport flows). On June 1, they shifted to water management mode and are currently running at 11K cfs.
- 10-day Forecast: Transitioning to warm and dry after the current storm, with increasing snow levels. Inflows are expected to peak at ~20K cfs and then decrease. Riffe Lake will be managed at just 749 ft and then drafted as slowly as possible. Outflows are expected to be 10-14K cfs, and then decrease toward the 5K cfs minimum. There will be no reduction in outflows. Minimum flows drop to 2K cfs starting July 1.

Outflow



Min 5,000. Down ramping limits <6,000 cfs 2 inch/hr (night only).

Link to the USGS real-time Cowlitz River hydrograph:

https://waterdata.usgs.gov/wa/nwis/uv/?site_no=14238000&PARAMeter_cd=00060,00065

<https://www.mytpu.org/community-environment/parks-recreation/river-flows-lake-levels/>

Water Quality

- Matt P began by noting that while Tacoma got water quality monitoring equipment in place anticipating needing to spill, no spilling actually occurred.
- Tacoma is continuing to collect temperature data at the boat barrier and north and south debris deflectors in Lake Scanewa. They will share these data (from April to August) at the August FTC meeting, along with data collected at the fish release locations.
 - Bryce reiterated WDFW's request for a map of all temperature monitoring locations along with the data in a central location and updated regularly. Matt P will follow up.
- Upcoming passage studies will include additional water quality work.
- Kosmos Cleanup: This is one of the reasons for keeping the reservoir (Riffe) elevation down, Matt was pleased to report there have been no observations of any sheen or petroleum products since the capping was complete. Tacoma is working with Ecology and is still in the remedial investigation phase. On June 5 they will meet with Ecology to ensure they are using the appropriate sediment screening/cleanup level indicators. The Remedial Investigation (RI) plan is going out for 30-day public review. Once complete (by June 28) Tacoma will move into development of the draft Feasibility Study (FS) phase for the site.
- Energy Northwest (EN) Site: They are still collecting data at the site in consultation with Ecology.
- Tacoma has secured permits for the replacement of four unpassable fish culverts on an unnamed tributary to Mayfield Lake. Construction is set to begin this summer.
- Gravel Augmentation: This is proceeding per the updated plan and in accordance with the WQPP.
- North Taidnapam Boat Launch Improvement Project: Phase 1 is ready to go pending FERC approval. This initial phase requires low lake levels, so that work will likely be done this fall. Phase 2 (to improve ADA access in the lower-level parking area and trail, etc.) is out for permitting and also dependent on FERC approval timelines.
- Debris Management: Tacoma continues to assess how they manage the collection and disposal of wood – assessing the collection and disposal, seeking to do so in a more environmentally favorable manner. They are working with project folks on this and will be developing management plans and associated actions. Steve M offered LCFRB resources to help with this process. Matt will follow up with him.

Fish Facilities

Separator:

- Hatchery spring Chinook returns are slightly higher than the weekly 5-year average. We are currently on schedule for spring Chinook broodstock collection which runs through the end of July.
- Winter steelhead are at the end of the return. HORs started strong and then dropped off sharply, falling below our recent averages. The NORs are faring much better than the 10-yr and 5-year ave. NORs did really well 758 so far (above 5-year average of 510).
- Summer steelhead returns are above the 5- and 10-year averages. Broodstock collection starts in July. All summer steelhead are currently being recycled -66 have been recycled so far.
- Cutthroat returns have barely begun: Zero HORs and 2 NORs.

Hatcheries: They are releasing fall Chinook now and are waiting on final summer and winter steelhead release numbers. They are tracking to exceed release goals.

Trout Hatchery Program Phases: Eric noted there will be regular updates on this to the FTC. Tacoma just got their contractor on board. He provided detail on the first of the four phases planned:

Phase 1: Planning to 10% design 2024-2026

This will include Investigative activities, such as a ground water study followed by decisions around water supply and specific hatchery components. All of this analysis is needed for construction. The overall goal is to get clean and reliable water for fish health.

Bryce noted it feels like we are starting over. A lot of work has already been done on this. Eric responded they will be conducting all of the survey work required for construction and performing investigative drilling to better understand their suite of options. They will also be looking at climate change models. Matt B emphasized this is a major step that is worth celebrating. This is the biggest capital project that Tacoma has right now.

Phase 2: Design and permitting 2026-2028

Phase 3: Go/No Go for construction phasing 2027-2029

Phase 4. Phases Construction Commissioning 2029-2032

Some construction may start as early as 2027.

Mayfield Juvenile Collection: This started April 1 and is going well in accordance with 2024 protocols. Fish health is excellent. We are currently in the middle of coho outmigration.

Rainbow Plants:

- 40K have been planted to date to the tune of 15.6K lbs between Swofford Pond near Riffe Lake and South Lewis Co. Park Pond in Toledo.
- In May 25K more will go to Mayfield (in addition to the 13.6K planted there in April).
- 5K will be reserved for the Lion's Club derby.
- A total of 50K lbs of trout are planned to be planted annually to support local fisheries.

Cowlitz Falls Fish Facility:

- Operations began on March 15 and spillway flumes went online on March 25.
- No outages – expecting a capacity event today – running 750 cfs through NSC tailrace gates.
- More than 137K smolts have been collected to date along with 6.1K fry and 460 adults (including winter steelhead kelts and spring Chinook fallbacks).
- Fry collection is a little slow.
- Steelhead FCE is looking pretty good so far.
- Historical Tagging is occurring during peak and supplemental tagging (outside of the peak).

Mayfield Downstream Fish Passage Remodel

Tacoma has wrapped up alternatives analysis and are still awaiting approval from Tacoma management. Bryce noted the FTC had been hoping to see the alternatives. Per the FTC work plan this was supposed to be presented already. He also expressed concern that there has not been any opportunity for input on this so far. Matt B responded that he will look into a presentation of the alternatives being considered at a future FTC meeting.

Mayfield Coho Net Pens

Tacoma and WDFW have come to agreement around defining roles and responsibilities along with timelines for major decisions, including what will be monitored and how the program will be evaluated. The initial phase will be four pens with 2 pens at one density and 2 pens at another. We plan to populate the net pens this December. Tacoma is currently procuring materials for this project. Eric will provide regular updates to the FTC.

Bryce was pleased that we came to an agreement to implement CWT's in the two groups in order to be able to do an evaluation of survival, SARs (Smolt-to-Adult Ratios).

Cispus Release Site (Tom Music Bridge)

Laura reported LCPUD got the draft HPA on June 3 and it looks good. They will be starting work on the site in August and hope to finish in September. They anticipate that the site will be functional for fall and winter. There was great rejoicing as this has been a long time coming!

Monitoring & Evaluation Subgroup

Scott reported a subset of the subgroup has been meeting with the Four Peaks Environmental Science & Data Solutions consultant and they are now going into the final review phase of the M&E Plan which they will get back from the consultant on June 17. There will be at least a 30-day review period. The aim is to have a final review of the plan complete before the end of this year. Anyone from the FTC is welcome to join the subgroup at any time. Just let Matt B know.

Downstream Adaptive Management Technical Work Group (TWG)

Chris provided the following report:

Facility Operations and Evaluation Updates:

- Differential pressure on Unit 2 is high, exceeding 2022 levels at similar discharge.
 - LCPUD plans to resume cleanout of Unit 2 ~June.
 - Tentative clean out agreement between TPU and LCPUD – awaiting review.
- LCPUD is waiting for a permit for sediment removal at CF Day Use Park / release location. They are planning to move the debris barrier in the last few weeks of August. Their sluice gate replacement will likely occur in 2027, though it may begin as soon as September 2026.

Chinook Tagging – Power Analysis:

- Four Peaks and UW completed a power analysis to determine the effects of adjusting tagging strategy from 100 x 1/week to 50 x 2/week starting with spring Chinook. A summary of the analysis was sent to TWG members and other Tacoma staff to review.
- The TWG is recommending moving forward with this tagging strategy with spring Chinook beginning July 2024. If all goes well with this trial, it may be expanded to include coho and steelhead in 2025.

2025-2026 Acoustic Telemetry Studies:

- Since LCPUD's sluice gate replacement project has been moved to the fall of 2026 or 2027, Tacoma is moving forward with these studies based on lessons learned from the 2019 study:
 - Steelhead rejecting NSC flume. They would enter the NSC and then reject it. Adaptive management actions were taken, which led to increased FCE.
 - Chinook subdued entrance efficiency (60-70% FCE), requires further evaluation. This study will focus on Chinook entrance efficiency (EE).

- A block study for Chinook will evaluate EE under three different operational treatments. There will be a control group. They will block a portion of the NSC entrance and open the tailrace gates to allow for 750 cfs to flow through to change the hydrology in the discovery zone.
- The ultimate fate and time-to-event analyses of sub-efficiencies will be primary response variables. 3D telemetry will inform entrance, retention, and rejection behavior of these fish. Chris notes this is all still in the early stages of design.

Matt B expressed excitement about this opportunity to make a positive difference with Chinook in this area. He reminded everyone that acoustic telemetry work has a lot of coordination needs – early orders, expensive decisions that are made early on. The TWG has an annual process that allows for review by the FTC early on. It is imperative that decisions be made on a timely basis.

Josua suggested it may be possible to do some radio telemetry in the lower river. There is much to consider. When you double use tags, there is only so much battery life left. This would be a coordination issue therefore a standalone acoustic or radio tag study may be preferred

Bryce noted it is unfortunate we are lacking new information on fish impacts in the lower river from flow reduction periods and how flushing flows impact fish and long-term survival. There are lots of opportunities to learn more about the lower river and fish behavior. Matt B agreed and recommended adding this topic to the next TWG agenda.

2024 FTC Protocols

Presenter: Melora Shelton

FTC Work Plan: Melora acknowledged the need to ensure FTC meetings are proceeding according to the Work plan. Per Bryce's suggestion, Lyn will add that to the second page of the FTC agendas, following the Action Items.

FTC Protocols: Travis had reached out to Bryce and Josua, Peggy, and Eric on potential protocols for members of the public to make presentations. There is also a good list generated at the April FTC meeting to use as a starting place. She will meet with these folks to discuss protocols with the idea of presenting a recommendation at the August meeting.

Matt B reminded all TPU is part of the City of Tacoma and also a public agency. Members of the public who attend FTC meetings have engaged the Public Utility Board. Based on feedback from members of the Board, Chris Robinson, (GM and Superintendent of Tacoma Power) recommended that fisheries-management-related topics be directed to Natural Resources staff at Tacoma and/ or the FTC. The Public Utility Board is not a co-manager and can't speak to co-manager responsibilities. It is more appreciated and appropriate to bring those issues to these meetings where topics include the FHMP and associated transition plans.

Cowlitz Restoration and Recovery Fund / Habitat and Production (HAP) Subgroup

Presenters: Steve West and Melora Shelton

Steve W reported final applications are due June 24 and the TAC will meet July 31 to rank the list of projects before sending it to the Board on August 9. The LCFRB will send out the list and links to project information to the FTC for review. Steve will present an overview of the project scoring at the August FTC meeting with a draft Decision Document with funding recommendation to follow in September.

Melora noted there is currently nearly \$18 million in the CRR Fund. So far, all distributed funds have been spent in support of habitat projects. Melora reviewed the work of the HAP subgroup to re-boot the program and outlook going forward (presentation distributed after meeting). The HAP subgroup can now shift its efforts toward supporting project development as well as supporting current and planning future grant rounds. This will include encouraging proponents to use the project information form designed to be a useful tool to evaluate project ideas. They will also add a second workshop opportunity that folks can attend apart from an official grant round to discuss project ideas. In the meantime, The group will continue to work under the existing charter with its updated timelines and work plans, meeting monthly with additional meetings as needed. Melora will introduce updates to grant round materials at the August FTC meeting, the 2025 grant round opens in February. Final materials will be out in October. She closed by expressing much gratitude to members of the subcommittee – Brian, Peggy, Matt P, and Eric, others who have provided input and assistance during the re-boot period, and members of the original CRR Program subcommittee.

LCPUD Dam Operations

Presenter: Laura Wolfe

As Russell was unable to attend this meeting, Laura provided the following update on his behalf:

Outage: The outage on Unit 2 is scheduled for July 1 if flows drop below 5,000 cfs.

Current and Upcoming Projects

- Debris Barrier Rehabilitation and Cathodic Protection
 - The tentatively scheduled debris barrier move is for mid- to late-August.
 - The drawdown to below 845 ft is scheduled for September 1, with an anticipated reservoir level of 842 ft at noon on September 3. This could change slightly \pm 1 day.
 - The drawdown is expected to last 8-10 weeks during which time CF will collect data on concrete defects both upstream and downstream.
 - Downstream Tailrace Survey
 - The downstream tailrace Sonar survey will occur in early to late fall once flows are 5K to 8K cfs and the tailrace can be raised above 770 ft. The survey will cover all underwater areas from the Cowlitz Falls outlet works downstream 750-800 ft.
 - Boat Barrier Replacement
 - The 100% design has been submitted to FERC and they anticipate construction in late fall or early winter.
 - Sluice Gate, Gantry Crane Rail Extension, Spillway 4 Stability improvements
 - Current Design, DDR, and Stability Analysis is 100% complete and submitted for FERC review. They anticipate soliciting bids in early 2025 with construction in 2026 and 2027.
-

Minimum Flow Reduction

Presenters: Melora Shelton and Saul Villarreal

Flow Reduction (update emailed on June 3, presentations distributed after meeting)

Melora announced that given the current hydrologic conditions, including the ongoing late season atmospheric river event, Tacoma is no longer pursuing a spring minimum flow reduction. This was also emailed to the FTC the day prior to the meeting.

Melora reviewed the FTC consultation for the proposed minimum flow reduction (presentation shared after the meeting). In late April Tacoma shared concerns about the potential for extremely low reservoir elevation prior to the end of June, especially considering the statewide drought. On April 28

they sent out a slide deck to the FTC describing the forecasting tools, refill probabilities, how they might use the flow education and various scenarios for performing a flow reduction. This was discussed at the FTC meeting on May 7 with updates to the slide deck and draft Decision Document focusing on a mid-May minimum flow reduction. As there was no consensus by voting members of the FTC at that meeting, Tacoma convened a smaller group of key stakeholders on a Cowlitz Flow call on May 13 and provided an updated DD incorporating feedback from WDFW. At that point they deferred the decision to initiate a reduction until May 28 based on improved conditions. They agreed to continue to monitor conditions and meet again on May 24. On May 17 Tacoma sent out information on storage in acre/ft to the group to address concerns from NOAA and Ecology. They then sent out another email cross-walking prior communications to make it easier for members of the smaller group to track. At the May 24 Cowlitz Flow call, based on improved conditions and a slower draft, they decided to defer making any decisions until possibly this meeting or mid-June. They also provided copies of the technical information that was part of the relicensing study regarding the impacts of a potential flow reduction on downstream habitat availability for juvenile salmonids.

The recent atmospheric river has radically changed conditions to the point that Tacoma has shifted to water management mode and is no longer pursuing a minimum flow reduction. Matt B thanked everyone for their participation in this process. This is what consultation looks like on a changing landscape. Tacoma wanted to get in front of this in a more proactive way than they had in the past. He asked for feedback on how that process felt so they can improve in the future.

While appreciating the good sharing of information, Bryce expressed concern that this is becoming a more frequent need for discussion. There seems to be a lack of new information to inform impacts of reduced spring flows. It would be helpful to know what management strategies might reduce the need to even have these conversations in the future.

Saul Villarreal shared a presentation that consolidated key information shared in slide decks since April 28, including the May 7 FTC meeting and the Cowlitz Flow meetings on May 13 and 24). New information in this presentation was in Part 4. The presentation was distributed after the meeting.

The June and seasonal outlook from the two models Tacoma uses were very similar. After below average flows in April and May, June is average or slightly above average driven by the atmospheric river. Tacoma ran the project conservatively all spring as they were expecting dry weather. Current storm inflows peaked on June 2 and reservoir is still filling; they expect the reservoir elevation to be 744-748 ft at the end of June.

Discussion:

Anne: Did Tacoma consider El Niño as they operated over the winter when there was above average precipitation?

Tacoma uses two forecast services for near- and long-term planning: NOAA River Forecast Center and HydroForecast. Only HydroForecast takes El Niño into account. There was a big inflow event in late January that put them up above their long-term average. Because of El Niño, Tacoma was conservative in its response and ran at minimum flow since mid-February even with a relatively full reservoir due to the likelihood of lower snowpack and lower precipitation throughout spring.

Anne: Can we have a presentation on how the forecasting models integrate with the operations models?

Thomas: Are worst case scenarios being considered when decisions are being made? How are hydropower interests balanced with fisheries interests? There are water quality questions on how monitoring is done downstream of the project.

Amy: NOAA was opposed to reducing the flows as doing so would dewater downstream side channels and negatively impact juvenile listed fish there. It would be helpful to have information on how proposed flow reductions correlate with losses due to dewatering of downstream side channel habitat - correlate flow reductions with reductions in side channel habitat.

Steve M: There is a relationship between flows and fish productivity. Mid-high-level flows are critical when it comes to mid-channel and side channel habitat. Physical habitat simulation (PHABSIM) analysis would be necessary to understand the connection to productivity and progress toward recovery.

Josua: There is an 82% chance of below average flows through the summer. The average is 2.5K cfs while the minimum flow is 2K cfs. That doesn't leave much wiggle room.

Melora reminded all the license provides for the reduction of minimum flow per Article 13 to assure spring (March 1 – June 30) refill. After that 2K cfs is the required min flow until the potential for minimum flow reset starts in mid-August followed by base flow increases. Tacoma typically operates slightly above 2K cfs in the summer for a variety of reasons. The license does not allow for a minimum flow reduction in the fall in the same way as the spring. If resources were limited Tacoma would operate to avoid re-setting the minimum flow during the fall until fall or early winter rain started in earnest.

Public Comment Period #1 - Agenda related

Carol: Regarding the flow reduction discussion, remember that it's about water quality – not generation. She thanked everyone for the work they are doing. She was sorry to hear we are in the same place as 4-5 years ago and hopes something can be put in place, so this group doesn't have to keep having the same discussions.

Jack: Looking for update on chum spawning assessment surveys.

Bryce: This is under contract with a scoping meeting soon, in partnership with the LCFRB.

Jack: What's the update on the EN Satellite Pond Rearing Facility?

Eric: We are working on water quality monitoring and applying for an NPDES permit. We are also drafting an operation agreement for Tacoma and EN along with legal reviews.

Jack: What is the data on adult returns from the Mayfield tagging project?

Scott: We only started tagging at Mayfield for Chinook and coho in 2022 so there's not a lot of data yet. This year will be the first return of fall Chinook adults. Spring Chinook are not marked in the Upper Basin.

Jack: Mayfield CWT numbers for 2022 CWT numbers in the RMIS Database show they are not valid tag numbers. Hope we haven't lost a whole year of data.

John, Chris, and Scott will query the RMIS Database to investigate this.

Jack: For the upcoming summer steelhead recycling, Bryce mentioned possibly recycling some fish into September as part of the M&E Study Plan. Has such a plan been devised?

Bryce: This is on the agenda for the M&E team to address.

Larry: Today's Hydro Ops and Water Quality reports seem to be focused on generation. What about the impact of water quality, turbidity, temperatures, chemistry changes, etc. on fish? Water hardness at the hatcheries also matters.

Larry: Last week's escapement report shows 40% of adult returns are jacks already. Why are you spawning jacks for springers?

Larry: Are you all watching for parasites infestations for Chinook and other fish?

Larona – C. Shasta is an issue in the summer with water temps at 55. Hatchery staff double up on the vitamin packs they use, and this allows the fish to get strong enough to gain immunity. This year's fall Chinook, springers, and coho all went out healthy.

Melora said she would share some reports with Larry this week.

Eric: Water Chemistry parameters were tested and identified to be in an acceptable range at the Trout hatchery.

Larry: Concerned about the ability to meet Chinook adult return goals.

Larry suggested reducing coho production as only 13-17% of those fish that return to the river are harvested. Currently more are being surplused than being harvested.

Scott: A large portion of coho returning are NORs that are not harvestable.

Topics for August, 2024 FTC Meeting

- Updates incl. Hydro Ops
- Water Quality – temp data April – August
- Satellite Rearing Ponds, Mayfield CWT Juvenile Returns, September Recycling, Chum spawning locations
- Fish Facilities (including an update on fish runs), Cispus Release Site, Mayfield Downstream Fish Passage Remodel, Coho Net Pen Project
- LCPUD Cowlitz Falls Dam Operations
- FTC Protocols re public presentations
- Downstream Adaptive Management TWG
- Monitoring and Evaluation Subgroup
- CRR Fund / HAP Subcommittee
- Preview September FTC Meeting Topics

Public Comment Period #2 – Any topic

Larry: The modern training that is now available needs to be implemented to drive success. There is a need for more modern advanced fish culture training for hatchery managers.

Randy: Asked for status on improving access to Riffe Lake for older fishermen. This is an issue that impacts their quality of life. What ideas are being considered? Would it be possible to cut a new side channel?

Matt P: Acknowledged this is an important issue. Phase 2 of the North Taidnapam Boat Launch Improvement Project will address this. It is in the permitting phase and should begin in 2025.

Matt B: Tacoma wants to get the water levels back up. That is the long-term solution. Hoping to do this in 2030.

Randy: Would love to see more fish coming in. Is there any way CCA's thousands of members can help support such an effort?

Matt P: Thanked Randy and noted there are many opportunities for those of us in the room to collaborate together to work toward common goals.

Randy: The pinniped issue seems to only be getting worse. He has tried calling the people suggested by Bryce, but no one returns his calls. Bryce will follow up. Email may be more effective.

Larry: Utility Board Comment – Members of the public don't feel like they have been heard. Larry has been asking for permission to do a presentation to the FTC for months now and is tired of waiting for a response. In his experience of the Utility Board meetings, there was more interaction and support than he gets from the FTC. He is concerned about the poor fish return to the Cowlitz. The hatchery model won't solve all the problems. There is a need to apply modern science. He doesn't see any accountability. In the long term, fishermen all want to see improved adult returns. Relicensing will start again (was a 35-year license) and the public will be heard on this.

Meeting Evaluation

- Great attendance! And nice so many could meet in person.
 - A laptop dedicated solely for the projector would have been helpful
 - Melora did great as assistant facilitator as well with other duties including but not limited to handling the microphone.
 - Good dialogue among the stakeholders
 - The extra power strips were much appreciated
 - Good presentations
-

Josua's Inspirational Quote

Josua noted it was raining hard on the way up here. Was happy to see Carol and Matt B – great blast from the past. "There is no friend like an old friend who has shared our morning days, no greeting like his (their) welcome, no homage like his (their) praise." -- Oliver Wendell Holmes Jr.

Closing Remarks

Melora thanked everyone for their participation and commitment to these meetings.

Parking Lot

- Presentation by Tacoma's Power Management Group and/or from Grant PUD re improving SAR
- Review Steelhead Kelt Recycling Program