

**Cowlitz Hydroelectric Project**  
**FERC No. 2016**  
**Cowlitz Fisheries Technical Committee**  
**Final MS Teams Public Meeting Summary**  
June 7, 2022 from 9:30 – 3:30

**FTC Representative Attendees:**

Travis Nelson	TPU
Bryce Glaser	WDFW

**Additional Attendees:**

Josua Holowatz	WDFW
John Serl	WDFW
Peggy Miller	WDFW
Sam Gibbons	WDFW
Brian Gale	WDFW
Todd Hillson	WDFW
Matt Bleich	TPU
Eric Shoblom	TPU
Chris Foster	TPU
Phil Sandstrom	TPU
Tim Hoffnagle	TPU
Melora Shelton	TPU
Steve West	LCFRB
Laura Wolfe	LCPUD
Joe First	LCPUD
Ann Weckback	Lewis County
Debbie Carlson	BPA
Steve Lewis	BIA
Kyle Wright	USFS
Lyn Wiltse	PDSA Consulting / Facilitator

**Attending Members of the Public:**

Larry Pryor, Jack Tipping, and Dan Davison (“Rocky Point”)

**2022 FTC Meeting Dates:** (No meeting in July), Aug. 2, Sept. 6, Oct. 4, Nov. 1, and Dec. 6

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**Approval of Last Meeting Summary**

Approval of the May FTC Meeting Summary was deferred until the August meeting after which it will be approved with edits and posted for public review along with the July notes.

- **Action Item:** Lyn to send preliminary drafts of each section of the FTC Meeting Summary to various presenters to proof and return to ensure the draft emailed out to all on the second Friday following the meeting is as complete and as accurate as possible.
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**Announcements**

- Debbie Carlson is retiring the end of July. We appreciate her participation in this group over the years and wish her the very best as she “puts on new tires” for the next chapter in her life. Going forward, the BPA rep for this group will be Cherie Sonoda. We’ll miss you, Debbie! Note: In her last few weeks with BPA, Debbie is adding the following Apache Blessing to her email signature line:

May the sun bring you new energy by day.  
May the moon softly restore you by night.  
May the rain wash away your worries.

May the breeze blow new strength into your being.

May you walk gently through the world and know its beauty all the days of your life.

- We were pleased to welcome Stephen Lewis to the FTC. He will attend these meetings representing BIA as Rudy Peone has for the past several years.

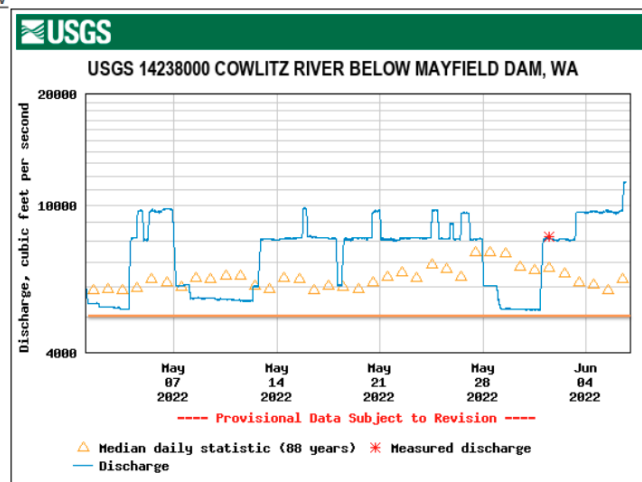
## Updates

Hydro Operations: Melora will send out an updated PowerPoint after this meeting.

- Inflows: May inflows were 10,080 cfs (110% of average), with above average precipitation and below average temperatures. May is historically the highest inflow month during the spring with rain events and snowmelt starting in the upper basin later in the month. June has started off with inflows of 146% of average.
- Snowpack: Snowpack continued building through May and is at 135% of average at Paradise and 400% of average at White Pass, where a third of the snowpack remains.
- Storage: Riffe Lake elevation was below average at 736' on June 6 and, due to snowmelt, will continue to fill into June. The elevation at Mayfield Lake continues its typical fluctuation between 420-424'.
- Outflow: Currently at 11,600 cfs (minimum flow requirement of 5,000 cfs). There have been no ramp or minimum flow exceedances. Ramp restrictions below 6K cfs were followed (no daytime ramping, night time limited to no more than 2" per hour). Weekly fish transport flows continue to occur when flows fall below 8K cfs. There were no unit trips or unplanned flow changes.
- Forecast: After rain Thursday – Sunday, the outlook is relatively dry, but the rain event could bring very high inflows first. Riffe Lake elevation is slowly increasing. Daily average inflows are higher than the last couple of months. Outflows expected to vary 8.6K – 11.6K cfs.

Melora reminded FTC that outflow data below Mayfield and Riffe Lake elevation are updated on the Tacoma Power website on Mondays and Thursdays.

### Outflow



6/6 11,600 cfs. Minimum flow 5,000 cfs. No exceedances.

Link to the USGS real-time Cowlitz River hydrograph:

[https://waterdata.usgs.gov/wa/nwis/uv/?site\\_no=14238000&PARAMETER\\_cd=00060.00065](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/Monitoring: No update at this time.

Fish Facilities: Eric walked through a PowerPoint presentation with photos of progress on the Barrier Dam and boat dock construction, as well as Separator Operations.

Barrier Dam: Progress is slow as carpenters are finishing the deflector plate template and boat docks. Rock hauling will pick back up June 13 with the crew bagging and stockpiling the super sacks with gravel. Work continues on the crane pad to accommodate the crane which is to be delivered on July 5. In-water work is set to begin July 15 and will be 15 days shorter than last year to protect Chinook broodstock collection since the operation is happening in the ladder side of the dam.

Separator Operations: On May 19, there was 3.5-hour ladder shutdown to install the transponder antennae which will allow PIT tag information to be automatically downloaded to the PITAGIS regional database as the fish come up the ladder. The manual detection process at the table was also upgraded and will serve as a double check.

Adult Returns:

- Hatchery-Origin Recruit (HOR) Winter-Run Steelhead: The season is pretty much over, with only two adults showing up last week. Broodstock collection is complete. This season is showing an improvement over the 10-year average, with a return so far of 5.6K, twice the last 5-year rolling average.
- Natural-Origin Recruit (NOR) Winter-Run Steelhead: These returns, at 507 to date, are close to the rolling 5-year average of 518.
- HOR Spring Chinook: 1,800 HOR returns to date are above the 5-year rolling average of 1427. Broodstock collection is going well. We're currently on track to exceed spring Chinook broodstock goals and are collecting Ad+CWT fish exclusively for the CWT data.
- NOR Spring Chinook: With 206 collected so far, these returns are nearly twice the 5-year average. Eric noted this is a great shot in the arm for the upper basin!

Mayfield Juvenile Collection: Numbers continue to rise for both steelhead and coho outmigrants at Mayfield. Crews are snout tagging all Chinook and coho smolts and dorsal sinus tagging all steelhead and cutthroat smolts. Phil stated that as of June 3 we've collected close to 8K NOR steelhead juveniles out of Mayfield!

Cowlitz Falls Fish Facility: Chris reported the CF Northshore Collector has been running non-stop since March 15 and will operate for another 115 days before shifting to fall operations. With snowpack above normal and runoff later than usual, they are making use of the collector's tailrace discharge gates in response to the high volumes of water (with fish and debris) coming through the project. The facility staff is busy during ascending flow events when fish and debris increase. Lewis County PUD has faced similar debris challenges on their unit intakes, with reduced generating capacity. Nearly 90K smolts have been collected this year with ~90% of those being Coho. Steelhead monitoring releases (Capture Efficiency) have concluded for the year with an average Capture Efficiency of 44.6%. Coho monitoring releases will wrap up in the next few weeks. Coho average Capture Efficiency is 25.4%. These numbers are still maturing and are considered preliminary. Chinook efficiency releases will start when collection numbers pick up.

Spill vs. FCE: Chris showed a figure illustrating how, as spill increases at Cowlitz Falls Dam, Fish Capture Efficiency observations decrease. When flows exceed generation capacity, Lewis County PUD must spill. This has been occurring more often this season. LCPUD's generation capacity has been reduced due to debris challenges at the unit intakes. There is still a lot of snow in the upper basin. Many elevations at 4-5K' are melting now and we have

yet to see any significant water from snowpack above 6K'. Crews are seeing a lot of fry and parr following the ascending flow events. These young fish are transferred up to suitable habitat locations so they can continue to grow before out-migrating.

M&E Subgroup: Phil reported the last few months have been busy for this group which didn't meet in April due to APR public meeting. At their meeting on May 18, they focused on moving the Monitoring Plan forward.

General Updates:

- Harvest Rates and SAR Analysis for Coho and fall Chinook: Josua is leading this effort which will be revisited in August after which the data will be incorporated into the SAR analysis as it was done for spring Chinook.
- Cowlitz Trout Hatchery Steelhead Enumeration Project – The PIT system and conductance counter both operated well and in high agreement (within 2K fish of each other). About 1,012,000 fish went out with a minimal survival estimate of over 94%. The group will meet with Thomas Buehrens and John Serl to wrap this up. And then they will prepare to start the whole process over again.
- Tilton River Transport Update: For the last three years, the subgroup has come to the FTC with recommendations on what to do with various species at Gust Backstrom and the Bremer Bridge site. They will share their recommended draft release plan with the FTC in August, seeking consensus on this before the fall Chinook return to the system.
- Spring Chinook Segregated HOR Jack Disposition: As there have been decent returns of HOR spring Chinook, there is a question about what to do with all the jacks coming back. Transport to upper watershed? At same rate as they transport HORS? Follow Adult Handling Protocol from WDFW? Until there are adequate data to make an informed recommendation, they will follow the AHP.
- Summer Steelhead Recycling Plan for 2022: With an eye toward providing angling opportunity, the numbers of fish being recycled doubled from 3300 to 6600. There are discussions about recycling fish sooner rather than holding them until they have a full load. There was support from NMFS to proceed and recycle those fish downstream. They are currently recycling every first-time arrival summer-run steelhead that comes into the facility and this will continue to do so until July. They also continue to floy tag summer-run steelhead. John, Josua, and Scott are leading this effort. This will be discussed further at their June meeting.

Bryce noted that regarding recycling, the FTC needs to consider how to implement the M&E Team's recommendations which originally came from Hatchery Operations and Maintenance (HOM) folks. Phil will add HOM folks including Eric, Phil, John, and Bryce to the next M&E meeting or set up a separate meeting to discuss what types of in-season recommendations need to come back to the FTC for a decision vs. being provided as an FYI. What is the scope of authority we give subgroups to make decisions? What falls into what category and then what is the implementation protocol?

Monitoring Plan Priorities: Phil explained the M&E Group is going through Appendix C of the Transition Plan. WDFW, NMFS, Tacoma, and LCPUD are reviewing the list to see if all the priorities they are recommending are in the list and if not, add them and then prioritize the list. This process is complicated as we have multiple programs and populations in the basin. There is a baseline need for each population and then directed studies for each population as well. They hope to make progress in the coming months and will keep the FTC updated.

Downstream Adaptive Management Technical Work Group (TWG):

Evaluation / Coordination Efforts for 2022: Matt reported they are already near the end of the spring closeout for the season with an eye toward the summer season. They will be evaluating key learnings to inform subsequent recommendations. They will also continue to coordinate with LCPUD. Comments from the TWG and FTC were incorporated into the report which should be distributed and posted to the FTC website in the next few weeks. This was the first year Tacoma staff produced the report which was much improved due to their on-the-ground knowledge. Special thanks to Tacoma's Gabe McGuire.

Gravel Augmentation: Travis shared that the plan is to perform the gravel augmentation this July, using the same location, similar quantity (1,200 cubic yards), same equipment, and same method of deployment as last year. They will use the gravel from the supersacks and will use the stockpile from the other side (left bank opposite of the salmon hatchery).

- Action Item: Travis to check to see if the contractor used any mitigation gravel on the right bank when they fill the supersacks.

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## **Satellite Rearing Program**

### **Presenter: Phil Sandstrom**

Phil began by reminding everyone that three potential options (Tower Rock U-Fish, Energy Northwest (EN), and Net Pen Program) were discussed at the last meeting, along with associated programs. Much of the biological relevance content was focused on an integrated spring Chinook program. FTC members expressed a desire to circle back with their staff before providing feedback. When Tacoma reached out to offer additional information, etc. to help, they didn't receive any specifics.

At this time, while the Tower Rock U-Fish option is not entirely off the table, Tacoma recommends moving forward to design phase with the EN site. Phil noted the net pen option is also still on the table, though perhaps it should work through a pilot project based on APR discussions.

At the EN site, Phil noted there are willing partners at this location which would lead to satellite actions that could help lead to recovery of species. Site stability, ownership, etc. are all good at the EN site. Spring Chinook rearing and kelt reconditioning strategies are good options to pursue at this location. Pumps, tanks, etc. will all be built into the design phase, with a focus on rearing juvenile Spring Chinook. They would begin working on land use agreements and schedule follow up site visit. Engineering staff will work with Chris Foster who will become Project Manager from natural resource standpoint once the design phase begins. There will be an update to FTC in August along with a draft timeline and next steps.

WDFW asked for a risk benefit analysis to each of the proposed actions, with expected contributions to recovery for each site. At Bryce's request, Phil agreed to set up a meeting / workshop to discuss WDFW's suggestions of pre-design issues to consider, such as the infrastructure program and how best to phase in the program, etc. The workgroup should also think about the process for updating the DD as this is a bit of a departure from the original DD as they work toward a final adoption of an option.

Steve M asked about the broader recovery outcomes Tacoma is seeking. Phil responded these include spatial distribution, adult abundance to produce NORs to come back and feed into the population, genetic influence on the population, as well as which populations would benefit the most from these types of actions. There isn't a high need for a Coho-type program. Steelhead are more of a question. We don't know what the carrying capacity is as adult abundances haven't been high in the upper basin. There is a need to bolster the NOR Spring

Chinook which are low in numbers. There is a need to evaluate short-term vs. long-term impact of whichever option we pursue. Eric reminded all that we can work out program details along the way, especially if the site has enough flexibility (which is key) to support changes along the way. We need to develop our approach for an integrated spring Chinook Program – start off using ponds with current segregated spring Chinook populations to get them dialed in, etc.

- **Action Item:** Phil to set up a meeting / workshop to discuss WDFW's suggestions of pre-design issues to consider.
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## **LCPUD Dam Operations**

### **Presenter: Joe First**

Joe First noted LCPUD is, at this point, still planning on a short reservoir drawdown in the September/ October timeframe. The project is a bit in flux and may need to be deferred, depending on permits and other considerations.

General Plant Operations: In response to high flows, they have been spilling the last couple of days and will continue to do so this weekend. A flood drawdown is anticipated for this weekend. They can still run the units during the drawdown. They may draw down below the level where Tacoma could collect fish at the CFFF.

General Project Work: They just awarded the contract for work for site improvements at the main rafter/kayaker take-out site (Copper Canyon Creek on the Cispus side) and construction of two new sites. This work should begin in late June/early July and wrap up in late fall/early winter.

Ongoing work that impacts the fish facility somewhat (replacing hand rails, north rock wall scaling, etc.) will start later this week. As river inflows fall below 5K cfs, they will take a unit out for annual outage. They estimate this outage will occur in mid-July or the August/September timeframe. There are no other planned outages for the units.

Tacoma works closely with the PUD during high flow events and other events that potentially interfere with each other. If the fall drawdown the PUD plans is done in September, it would interfere with Tacoma's plan to run the Northshore Collector until September 30. If the PUD delays until October, that could interfere with release strategies for adult coho. The Northshore Collector can operate later into the season. Anything below 860' elevation at Lake Scanewa would prevent fish collection. Joe noted the drawdown could be shorter if done in October. The Technical Working Group has come up with a recommendation on the timing of the drawdown. Out of consideration for the spring Chinook outmigrants which seem to be edging toward recovery, the TWG recommends the PUD do the drawdown in early September, when the temperatures are warmer instead of in October. Joe responded they could move the timing of the drawdown to any time after September 1. He also noted the PUD doesn't have the permit from the Corps yet, so it may need to be done during an entirely different time period. In the meantime, they will plan for early September.

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## **2022 Annual Program Review (APR) Process Update**

### **Presenter: Phil Sandstrom**

Phil reviewed the DD with the proposed hatchery programs for the next year. Table 2 describes the 2022 APR release goals. Essentially nothing is changing in terms of actual numbers being targeted for release.

**Table 2:** Proposed program goals for the 2022 brood year of Coho, fall Chinook Salmon, Summer Steelhead and Cutthroat Trout. Winter steelhead and spring Chinook Salmon goals will take effect in the 2023 brood year as is typical of the APR process.

APR Production Goals						
Species	Before 2011 FHMP Update	2018 APR Goal	2019 APR Goal	2020 APR Goal	2021 APR Goal	2022 APR Goal
Fall Chinook	4,800,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Spring Chinook	959,800	1,738,529	1,738,529	1,738,529	1,738,529	1,678,000
Coho	2,835,000	2,178,000	2,178,000	2,178,000	2,178,000	2,178,000
Winter Steelhead	690,000	647,000	647,000	647,000	647,000	647,000
Summer Steelhead	550,000	625,000	650,000	650,000	650,000	650,000
Cutthroat	160,000	100,599	100,599	100,599	100,599	100,599

The second APR meeting this year was held on June 1. Tacoma’s Monika Sundbaum is summarizing comments and responses from that meeting. The comment /response matrix will be incorporated into the DD and sent out in advance of the August FTC Meeting, at which time it will be finalized and approved.

- **Action Item:** By June 24 Phil to send out the DD along with the comment/response matrix from the June 1 APR meeting.

**CRR Fund / Habitat and Production (HAP) Subcommittee**  
**Presenters: Melora Shelton, Steve Manlow, Steve West**

Hatchery-Associated Project (HAP) Subcommittee: This group has been meeting for a few months now and are currently defining project criteria. They hope to bring something to the FTC to review by the end of the year.

On June 6 Travis forwarded meeting materials for the 6/8 HAP subcommittee meeting (rescheduled from 6/7). These included a draft a DRAFT HAP calendar/process description for the subcommittee to discuss, as well as some potential applicant engagement workshops. This framework draws from, and potentially aligns with the LCFRB calendar and process, the 2022 version of which was included as an example.

LCFRB 2022 Cowlitz Restoration and Recovery Update  
 4 Projects sought CRR funding:

1. Cispus Yellow Jacket Phase 4 (Cowlitz Indian Tribe) - three separate funding sources with an approximate \$1.8 million CRR ask.
2. Upper Cowlitz Culvert Inventory (Lewis Conservation District)
3. Creating Habitat on Cispus Tributaries (Cascade Forest Conservancy)
4. Kiona Creek Restoration (LCPUD) in cooperation with Lewis Conservation District.

LCFRB’s Technical Advisory Committee (TAC) will score the projects according to these categories: Benefits to fish, certainty of success, and cost, relative to expected benefits. These metrics would apply to any project seeking Salmon Recovery Funding Board (SRFB) funding along with CRR funding (e.g., the Cowlitz Indian Tribe project). The TAC will use two separate scoring systems for proposals seeking SRFB or CRR funding (specific to each program); CRR-only scoring will be used for projects only seeking CRR funding. The CRR evaluation questions and the supplemental questions for CRR applicants to include with their proposals were approved by the FTC prior to the 2019 grant ground and adopted for the 2022

grant round. The LCFRB will present all four CRR proposals and TAC scoring and ranking results the August FTC meeting.

LCFRB Calendar: The LCFRB sponsored five days of virtual project site tours. On May 2, the lead entity feedback was published on the RCO website. Comments were received from the Review Panel. On June 8 they will discuss the Cispus project. Steve W. let everyone know they were welcome to listen in. This project was considered *needs more information (NMI)*. Final applications are due June 27<sup>th</sup>. On July 12 TAC members submit scoring and rationales, followed by ranking meeting on July 26<sup>th</sup>, and the TAC Ranked List will be published July 27<sup>th</sup>. The ranked project list goes to the LCFRB Board for final approval on August 5 and will be published on August 8<sup>th</sup>.

The LCFRB will do a detailed presentation on the projects at the August 2 FTC meeting along with where the TAC landed on their recommendation and then the final list of projects with approved funding in the form of a draft DD at the September 6 FTC meeting. Steve W. stated that the ranked list should be considered “draft”, as due to scheduling, the LCFR Board will not have approved the list in time for the August 2<sup>nd</sup> FTC meeting. The FTC will then finalize the DD at the October 4 meeting.

Steve W showed the ranked list from last year, noting they were able to chew up entire allocation of \$3.8 million. TAC members came in with scores and supporting rationale. This was very helpful to the sponsor. This program will be updated for 2023 by applying lessons learned from debriefs with Sponsors, the TAC, and the FTC.

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### Topics for August 2, 2022 FTC Meeting

- Debrief of this Public Meeting process
- Updates incl. Hydro Ops, Water Quality
- LCPUD Dam Operations
- Fish Facilities
- Satellite Rearing
- Downstream Adaptive Mgt. TWG
- Satellite Rearing Program
- CRR Fund / HAP Subcommittee (extra time)
- M&E Subgroup
- Gravel Augmentation Report
- Preview September 6 FTC Meeting topics

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### Public Comment Session (*FTC responses appear in italics.*)

Larry: Are you doing broodstock management with a focus on what will enhance adult returns? Grant County is having a lot of success as have the Yakama and Quinault Tribes

*Eric: Yes – fairly extensive and have for decades: Maintaining proper integration rates, maximizing NOR fish, collecting across both ends of the runs, matrix spawning, extensive marking and tagging programs for juvenile releases. We are using data to ensure we are making good broodstock decisions. He invited Larry to reach out with additional questions.*

*Steve: Consider inviting Grant PUD to one of these meetings to discuss how to improve SAR, etc.*

Larry: What is success? Meeting license requirements? Adult returns? Copy & paste from HSRG 2009 report to congress, page 11 Maximize Survival of Hatchery Fish In order for hatchery programs to effectively contribute to harvest and/or conservation, the reproductive success and survival of hatchery releases must be high relative to those of naturally spawning



populations. The primary performance measurement for hatchery programs should be the total number of adults produced (those caught in fisheries plus those that escape to the hatchery or natural environment) per adult spawned at the hatchery. All too often in the past, hatcheries have instead been evaluated based on the number of smolts released (which is like evaluating a farm based on the pounds of seed planted, rather than the size and quality of the crop produced). Cowlitz Salmon Hatchery fall Chinook past two years was .0007. That's .07%, springer salmon .0015 - .0031. This includes jacks - that's .15 to .3 %. Larry doesn't see Cowlitz hatcheries as successful in that they don't provide enough harvest opportunities. He doesn't hear the FTC discuss this enough.

*Bryce: Acknowledged Larry has asked this question many times and assured him the FTC does talk about this in the HPMP, Transition Plans, life cycle modeling to better understand what abundance should look like in the upper basin, SAR Analysis (have done some and have more coming), etc. He is not sure what else to add that hasn't already been said.*

*Travis: We can also bring this up as part of an APR meeting. He feels we are making progress.*

Jack: In the notes from last meeting, it is not clear that the CCA memo represented dozens and dozens of anglers. They were calling for a shifting of fall Chinook population to spring Chinook – which need supplemental imports.

*Eric: Sorry if the small paragraph from CCA came off as minimizing. This is something that is being discussed and brought before a broader audience before any decisions are made. In the APR process, we are increasing the spring Chinook poundage.*

Jack: Rainbow trout have been flushing out of Mayfield as have the tiger muskies. Would like to see the rainbow trout removed from Mayfield. They could be utilized at a higher rate elsewhere.

Jack: Re Satellite Rearing pond. Might see these ponds as dual use rather than just reconditioning kelts. It could be used to create a resident trout fishery in the pond for juveniles anglers.

Jack: In response to Steve's question earlier in the meeting about tiger muskies, Jack suggested the current population may be 500-1000 fish over 30 inches in length. Dozens had their stomachs pumped and contents were 98% northern pikeminnows and suckers.

*Bryce offered to send Steve information on this. Steve is concerned - 2002 is a long time ago.*

*Josua: Doesn't think tiger muskies are marked when they get handled at the Mayfield counting house, so the same fish may be handled multiple times.*

Larry: Re the satellite rearing programs, the Packwood area (EN site) has good potential. Considering any partial flow-through up there? RAS (Recirculating Aquaculture System)?

*Chris: From the currently high-level evaluation, it appears there would not be a need for a re-use type water system at this time.*

*Eric: This is something that could be phased if/as necessary.*

Larry: Is the parasite issue being addressed?

*Eric: The fall Chinook coming through Mayfield are severely degraded. The coho are expected to be much more resilient there. They can also evaluate a location up at Mossyrock.*

Dan: As stated at the last public FTC meeting, the cormorant situation continues to be bad and needs to be addressed. They roost above the bridge. Can't Tacoma Power apply for a permit to do some mitigation? Also, it is unfair to the public that they don't get a forecast/notice of changing water levels.

*Travis: Since he and Dan last spoke, Travis has continued to work on this. He will update Dan on progress.*

Jack: In the 1990s, the local wildlife agent and rep from the Dept. of Agriculture drove from Barrier Dam to above Longview and harvested as many cormorants, mergansers, and herons as possible. They got ~60 birds each day.

Dan: Effective deterrent actions can be taken that do not involve killing the birds.

Larry: How to build anti-predatory practices to increase adult returns? Releases during cover events? E.g., glacial flow, muddy events, etc.

*Chris: Hasn't noticed a difference between high water events that are muddy and those that are clear in terms of fish moving on flow events. Tacoma provides transport flows this time of the year for hatchery releases.*

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### **Meeting Evaluation**

- Everyone followed the norms and was respectful of each other's time
  - Work on getting the meeting notes out sooner
  - Good dialogue and participation
  - Hoping more than three members of the public next time
  - Good presentations
  - Time was used well
  - Got out a little late
  - Josua's Quote: "A rainy day is the perfect time for a walk in the woods." Rachel Carson
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### **Closing Remarks**

Travis thanked everyone for attending today's meeting. He especially appreciated the open dialogue, noting it takes all of us and we all are working hard to making a difference. He asked that we give each other space and grace as we work through these things.

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### **Parking Lot**

- Review/Update FTC Protocols to include remote meeting procedures
- Presentation by Tacoma's Power Management Group
- Review Steelhead Recycling Program