

**Cowlitz Hydroelectric Project**  
**FERC No. 2016**  
**Cowlitz Fisheries Technical Committee**  
**Cowlitz Salmon Hatchery**  
**Final Public Meeting Summary**  
June 4, 2019 from 9:00 – 2:30

**Attendees:**

Travis Nelson	TPU
Tom Wadsworth	WDFW
Carol Serdar	WA Dept. of Ecology
Jim Pacheco	WA Dept of Ecology
Sam Gibbons	Tech Rep for WDFW
Brian Gale	Tech Rep for WDFW
Bryce Glaser	Tech Rep for WDFW
John Serl	Tech Rep for WDFW
Peggy Miller	Tech Rep for WDFW
Matt Bleich	Tech Rep for TPU
Eric Shoblom	Tech Rep for TPU
Tim Hoffnagle	Tech Rep for TPU
Phil Sandstrom	Tech Rep for TPU
Chris Foster	Tech Rep for TPU
Melora Shelton	Tech Rep for TPU
Rudy Salakory	Cowlitz Tribe / Tech Rep for TPU
Laura Wolfe	LCPUD
Debbie Carlson	BPA
Lyn Wiltse	PDSA Consulting / Facilitator

**2019 FTC Meeting Dates:** July 2 (FHMP Placeholder), July 16 (FTC Placeholder) Aug. 6, Sept. 5 (Thurs.), Oct.1, Nov. 5, Dec. 3 from 9:30-3:00 at Cowlitz Salmon Hatchery unless otherwise specified.

**Action Items:**

- Travis: Send out Doodle Poll for June CRR Fund Conference Call to discuss CRR Workshop purpose, topics, and date.
- Travis: Send out Doodle Poll and/or meeting invites for potential July 16 FTC Meeting.
- Matt: Send out Confirmation of FHMP Workshop and agenda for July 2.

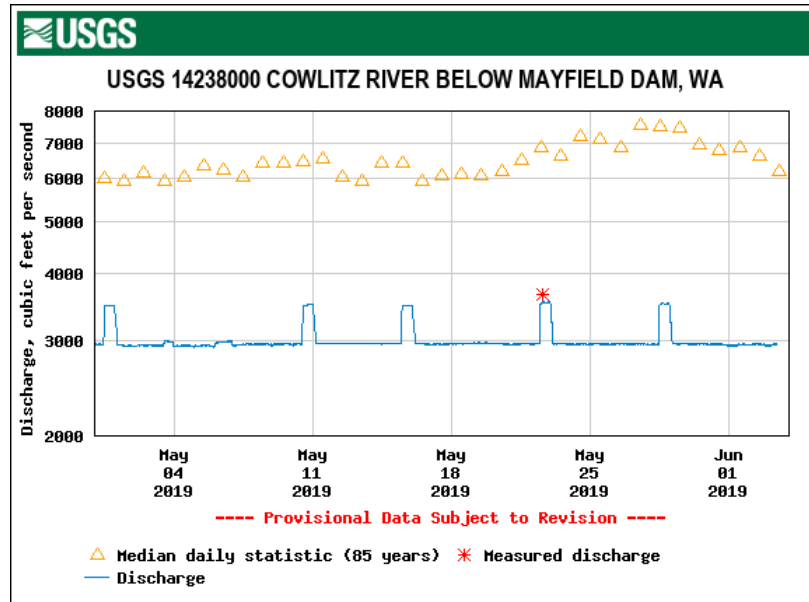
**Announcements**

- Hydro Operations: Melora reported that low inflows into Riffe Lake continued in May, with a daily average of 6,400 cfs (historical average is 9,100 cfs). So far in June, low inflows are persisting with flows this morning at 4,465 cfs. She noted inflows were higher in April due to early snowpack runoff. Riffe is at 736' elevation. The target for refill is 748'. Snowpack at Paradise is at 50% of normal, snowpack below 4500 has melted out (about a month early). Since the last FTC meeting, TPU has been maintaining a reduced MIF of 2,900 cfs plus weekly fish transport flows of 3,500 cfs. MIFs have been stable with no trips or other events. The forecast is for continued dry conditions with inflows at 3,500 – 5,500 cfs. Riffe continues to refill but the rate of refill is very slow. Comparison to 2015? In 2015 the reservoir was full and this year

we have had less precipitation accumulation (after the meeting Power Management confirmed that in 2015 the max elevation was 771.5 in early June, about 7 ft from full; and anticipates about 7 feet from full (748) in 2019, plus or minus a couple of feet; and that there has been less precipitation in winter/spring in 2019 than in 2015).

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)



Melora also reported that the boat launches are open at Mossyrock and Taidnapam North, as is the Mossyrock Park swim area. Due to low lake elevations, the Kosmos and Taidnapam boat launch and parking lot is closed. She shared the following link and phone number for updates to this information.

(888) 502-8690; <https://www.mytpu.org/community-environment/parks-recreation/river-flows-lake-levels/>

Though Leah was unable to join this meeting, Travis talked with her this morning before this meeting and she said the probability of refill to 748' remains quite low. By July 1, the flows will change for power production in accordance with the summer flows prescribed by the license. Travis will continue to inform all of future hydro operation plans.

- Ecology on the MIF Flow Reduction Protocols: Carol expressed appreciation for the variety of interests TPU has to juggle as it determines how best it distribute water from the dam, including water for fish. A huge benefit to fish is having cool water from the reservoir in the summer. She noted that the SA 12.7 states: *Where an Agency has prescriptive and mandatory conditioning authority over fisheries or instream flow issues, the FTC will coordinate and convey information to the appropriate decision-making Agency. Where no Agency has prescriptive or mandatory conditioning authority, the FTC will make recommendations to Tacoma, who will convey a subsequent plan to FERC, and provide a copy of such plan to the FTC. For recommendations made directly to Tacoma, Tacoma shall follow the recommendations of the FTC unless it can establish good cause for rejecting or modifying such recommendations. Should Tacoma reject or modify such recommendations, it must notify the FTC in writing within 30 days of receiving the*

*recommendations and state the reasons for rejecting or modifying such recommendations.* She then read from Article 412 in the amended FERC license: *As required by condition 2 of the incidental take statement, the licensee shall modify project operations to provide agency-specified stream flows downstream from Mayfield Dam within the time frame specified by Washington Department of Ecology (WDOE) or the Commission, not to be less than 48 hours from the time of the request, and that such flow modification will remain in effect until superseded by subsequent WDOE or Commission action. The licensee must notify NOAA Fisheries following initiation of a flow-change action. Such notification shall not cause delay to implementation of any flow change identified by WDOE or the Commission.* Carol then noted that Ecology requested on May 7, 2019, during the weekly flow operations meeting, that we go up to 3,500 cfs for fish. There are other factors to be considered that require holding or discharging water, but fish are first. Ecology understands this year it is too late to make modifications. There is also a need to be cognizant that we are providing the flows for fish. Ecology and FERC have the final decision in these matters. There is a need to honor the instream flow rules set up in the Settlement Agreement and licensing process. There is also a need to improve communications around decisions that impact flows. Ecology asks that TPU prepare a Decision Document on minimum flow reductions that provides for fish recovery (stranding plan). Planning for a drought needs to be done before a drought – not during a drought. Carol suggested planning occur well in advance for next year, perhaps the late fall timeframe.

- Tire Removal at Mayfield: Travis recounted that in the 1980s tires were placed in the reservoir as a joint effort between the then WA Department of Game and TPU. This year, with the low reservoir levels, there is an opportunity to remove (600-800) the tires. TPU found a funding option with WADOE to have the tires taken to a recycling location at no charge. This will be a collaborative clean-up effort. TPU is funding and performing the removal; WDFW is providing temporary storage of the tires, and Ecology is funding the transport of the tires to a recycling location. The three entities will participate in a visit to the site to confirm logistics and the path forward. The actual removal is set to occur in September. TPU is securing the necessary permits including the HPA Corps permit and likely a 401. A Construction Stormwater General Permit is not needed. Carol observed that September is a lofty goal as she needs a 30-day review of the Water Protection Plan.
  - **Action Item:** Carol will confer with Isaac Standen (Ecology) on this effort.
- Trout Hatchery Remodel: Eric reminded all that the last remodel at the Trout Hatchery occurred in 1968. For the current remodel, TPU went through a master planning process – which involved a holistic approach to the remodel. They are now evaluating all the alternatives within the Master Plan and looking at ways to maximize flexibility while managing costs. The aim is to create a facility that will serve now and into the future. TPU has circumvented the planning process a bit by replacing the generators of the ozone plant as their parts had become obsolete. The new generators should be installed in time for the 2020 season. The continuing planning process is identifying optimal phasing and prioritization - the most logical way to proceed with the upgrades. How will WDFW expertise be incorporated into the remodel process? There is a need to find a place for the fish during construction. TPU will engage WDFW once they have identified a possible option such as developing the ponds further and using them instead of the raceways during the

remodel. Note: Carol noted Blue Creek (behind the raceways) is not on the Water Protection Plan. Matt Peter (TPU) mentioned an initial dredging project to lower the bed height of Blue Creek, so it doesn't flow down through the raceways. This might require a construction stormwater general permit.

- Downstream Adaptive Management TWG: Matt reported this group last met in late May. The annual draft report summarizing Article 1 – Downstream Fish Passage associated with Cowlitz Falls is out for FTC review with comments due by July 1. One comment received was to incorporate the report into a general operating report for what the Cowlitz Falls Facility (CFFF) looks like and how it works. Matt has discussed doing this next time with Chris Foster who coordinates the CFFF. There was a good discussion around the FCE metric – which is key in determining if license goals for fish passage and survival are being met. A number of ideas (e.g., annual average) about how best to calculate FCE are being discussed in the spirit of adaptive management. As populations and seasons vary over time, there may be opportunities to perhaps stratify the FCE through a different lens. The TWG will come back to the FTC with a recommendation on this prior to the next annual report. Matt sees the fact that we are having these discussions as good news as it indicates we are starting to get close to where we want to be with the collector. The reason the TWG gets to struggle through this is the vague language in the license. One of the recommendations to the FTC may include an amendment to the license. Current performance in 2019 for Steelhead and Coho is close to 80%. This is above the averages from prior like-water years. The FTC and the M&E group asked the TWG to take on the downstream passage topic for Mayfield as well. The TWG has begun to discuss the current situation, associated challenges, and juvenile bypass improvements that are taking place. They will give the FTC a broad update on what that project will look like.
- Additional Tilton Release Site: Eric explained that plans with WSDOT for this site have been finalized. WSDOT has approved the concept and TPU has been able to accommodate their additional requests. Eric will forward to the FTC the final set of drawings that will be going in for permit. WSDOT is reviewing these final drawings now. TPU is also working on a land use agreement and an internal SEPA. The schedule will likely extend a few months beyond the original target date of July 1 as there is uncertainty regarding the time needed for the contracts, construction and fabrication process. The M&E group is developing a plan for fish disposition at this new release site.
  - **Action Item:** Eric will send plans out to the FTC, including Ed Meyer (NMFS).
- Gravel Augmentation: Travis explained the intent of the gravel augmentation Decision Document that was approved by the FTC, noting that it was for high flows to pick up and transfer gravel placed adjacent to the channel downstream. The existing gravel pile is not being dispersed according to plan. The alternate location identified to deploy gravel downstream at Mill Creek has been met with permitting challenges. Another complication is this alternate location happens to also be a popular place to fish for Steelhead and fall Chinook. TPU wants to coordinate with the angling community on this. The gravel augmentation effort is now delayed at least for this year, requiring amending / replacing the Decision Document on this. Peggy encouraged TPU to hire a consultant to write the final gravel augmentation plan as they don't know how long the interim plan (due in December) might be extended.

- **Action Item:** Travis will send out last Gravel Augmentation Decision Document approved by the FTC along with a list of options to consider.
- 

### **Meeting Summary Approval**

The April 30, 2019 FTC Public Meeting summary was approved with edits from WDFW and Ecology and will be posted to the FTC public website. The edits are much appreciated.

---

### **Cowlitz Restoration & Recovery (CRR) Fund**

#### **Presenter: Melora Shelton**

Melora reported that the LCFRB has received one grant application so far for a habitat project. Peggy, Paul, and Melora joined the LCFRB TAC for a visit to the site (Yellowjacket Creek) in May. Tacoma has received four letters of intent for covering 6 potential proposals on the hatchery side. These spurred initial conversations between Tacoma and the applicants about which projects might move forward, recognizing that the potential proponents lacked the resources to prepare solid applications on admittedly very short timelines. To that end, and to make the process as collaborative and accessible as possible, TPU hosted a roundtable discussion for the applicants about the program and next steps for processing the draft applications. Attendees included NW Fisheries Enhancement, Friends of the Cowlitz, Coastal Conservation Association, and WDFW. The due date for applications is July 14. Melora expressed appreciation for all who are participating in the process, and that the process will help everyone better understand and develop projects that will further recovery goals. She also noted this is a learning year for all involved.

Peggy asked if TPU plans to hold separate meetings regarding the CRR program in the future, that they notify the CRR Subcommittee. Further discussion included the following:

- Need equitable consideration between hatchery and habitat-type projects.
- There will be learning and growing pains along the way.
- The Salmon Recovery Fund Board process will be mirrored as much as possible in the CRR program.
- The CRR Fund protocol is already described in the LCFRB manual (approved by TPU and the LCFRB Board). Steve noted the need to operate in a way that complies with what is in the manual. Any changes would need to be broadly communicated ASAP.
- TPU wants to make the process transparent and understandable because they will be awarding public money. Citizens and organizations who want to submit a production project will likely need to garner support from agencies that already are familiar with habitat projects for salmon recovery. TPU wants to be sure everyone is on board and no ideas are left stranded.
- The FTC is working under the rules of the current FHMP as the revision is being developed.
- According to plans approved by the FTC, CRR Subcommittee was going to review the applications and bring recommendations back to the FTC. Travis explained that in this low application year, TPU wants to move this process into the FTC to ensure year one is a fully vetted and transparent process. This could also be more efficient to keep the whole FTC (with broad expertise) involved rather than the Subcommittee bringing in expertise as they need it.
- TPU only received an order from FERC in January of 2019 of its Plan to Abandon Volitional Upstream Passage. While waiting for that approval, the CRR Fund

Subcommittee began its work with TPU committing to fund the 2019 grant round in the event the plan was not approved by FERC in time.

- The FTC has been relying on the work of the CRR Fund Subcommittee, including approving principles and the specifics of how to evaluate the habitat projects. If we change that now, we would need full FTC support, including revisions to already approved decision documents or perhaps new ones.
- Travis suggested convening a CRR Workshop to discuss how best to move forward in this initial year of the program.

**Action Item:** Travis will send out a Doodle Poll by June 7 to select a date for the CRR Fund Workshop (topics to include ranking and schedule).

---

## **Monitoring and Evaluation Subgroup Presentation on Coho**

**Presenter: Phil Sandstrom**

Phil reminded everyone that the last presentation from the M&E Subgroup was on Fall Chinook. The Coho presentation will follow the same format as was used for the prior presentation on Fall Chinook. He acknowledged that this is a collaborative effort by members of the M&E Group.

Phil described the current state of Coho for adults returning to the Cowlitz River (24% are harvested; 21% are transported upstream; 13% spawn in the Lower Cowlitz River; 4% come back to the separator and are incorporated into hatchery broodstock; and 38% are surplus.) These data were based on 5-year rolling averages, combined hatchery and natural-origin.

There is a consistent number of NOR adults coming back and there have been some big years for HOR returning to the Cowlitz River basins. He gave an overview of the total harvest for the ocean, Columbia, and Cowlitz Rivers, noting most of the NORs are harvested in the ocean: NORs: 53% harvested in the ocean and 47% in the Columbia. HORs: 48% harvested in the ocean; 28% in the Columbia; and 24% back in the Cowlitz River.

Some HORs are transported upstream to support reintroduction, a somewhat lower proportion are used for hatchery broodstock, and a larger portion are surplus.

Over time, trends for Coho are boom and bust. A lot of Coho jacks return to the separator (at a rate of nearly 50% for the 2018-2019 season). There was a disproportionately high number of HORs returning to the Cowlitz River. The TWG is looking at SAR values to evaluate how the integrated program (970K) performs compared to the segregated program (1.2 million). A favorable Coho adult return to the Cowlitz is predicted for this year. There is a need to determine how to respond when starting to see high numbers of jacks returning to the separator. Put on spawning grounds? Use them for surplus (segregated program)?

Coho adults are collected for hatchery broodstock. For the integrated program, when they backfill with HOR fish, (2013-2015) they are first generation HOR. In most years we surpass the smolt production goal for the integrated program and are mostly on target for the segregated program.

Lower Cowlitz River Spawning and Harvest: Low numbers of HORs have been documented on the spawning grounds. We are close to achieving goals for pHOS in the lower Cowlitz basins even with two large hatchery programs.

Summary:

- Production levels not changed but returning adult abundances increased.

- Harvest in ocean, Columbia River, and Cowlitz River fisheries ranged between 9,000 and 37,000 fish since 2010.
- Natural spawners ranged between 2,000 and 12,000 adults in the Lower Cowlitz River and 1,300 and 9,000 adults in the Tilton, and 300 and 7,000 adults in the Upper Cowlitz.
- Average number of fish sent to surplus since 2013 is 16,794 and ranged from no fish to 63,182.
- Average number of jacks since 2010: 8,071 hatchery jacks 319 natural jacks
- Integrated broodstock program developing since 2009.
- Integrated program operating at 100% pNOB in almost all years.

Gaps in Understanding:

- Natural populations – Positive identification for upper Cowlitz Coho. Can't positively ID the origin of Tilton / Lower Cowlitz Coho on spawning grounds or at separator.
- Focus has been on Lower Cowlitz tributary spawner abundance estimates.
- Lack understanding of conversion of transported adults to spawners
- Poor understanding of mainstem spawner escapement and distribution
- Unknown impacts of integrated vs. segregated hatchery programs on natural populations

Next Steps to Inform Management:

- Natural populations - improve ability to identify population origin on spawning grounds and at separator.
- Develop strategy for transition to a fully integrated hatchery program.
- Boom or bust nature: in the absence of better forecasting it is hard to prepare for good and bad return years.
- How to maximize production for recovery purpose in the upper Cowlitz basin while maintaining/increasing angler harvest opportunity (where we all want to be).

---

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

Chris Vandenberg: If proponent is on the ranking committee, do you get to rank your own project? *No. That would likely present a conflict of interest.*

Randy LeDuc: Randy attended the TPU meeting re the CRR Fund program. He wanted the FTC to know that the meeting was mainly informational so folks can come with a quality project. He appreciated TPU having the meeting and hopes to see progress in harvest opportunities.

Leroy Wisner:

Trout hatchery- net pen netting? Lack of bird netting on large ponds at the Trout Hatchery - *With the remodel looming, TPU took drastic measures to increase the hazing. Hired USDA FS initially – but only had them eight hours/day (daylight to sunset). Had some evaluation efforts to see how many fish they were losing. They found they were very successful. Loss was down to 3% in some years. At the remodel, TPU plans to fully net the ponds. They have installed heron block netting which is proving to be quite successful and have hired a private contractor now who is very attentive and TPU and WDFW are working well together to address this issue and improve fish estimates of outmigration numbers.*

Riffe Lake: Will the old highway be open to use as a boat launch when water is low? *No plans for this (yet), though open for discussion.*

Timeline on Mossyrock Dam repair *Still working with a consultant to come up with alternatives to reduce/eliminate risk and come up with the best alternative. Matt noted there was a public meeting on this a few weeks ago. These materials were available online.*

Greg King:

Hasn't heard the FTC discuss recovery for the Orca Whale. The CRR Fund process had too tight a window. His project got shut down. Need to focus on recovery of Spring and Fall Chinook as this will help with the recovery of orcas.

When Coho is the most native species to the Cowlitz River season, the focus should be solely on an integrated program. Sees it as a waste that on a good year 63K Coho were sent to food banks as surplus, however, this could make a nice fishery up at Scanewa. *This is being addressed in the FHMP being drafted.*

And what about satellite ponds (rearing facilities)? *Making recent efforts to put a contract in place with the HGMP consultant to ensure we have all opportunities available to us – incorporating satellite rearing facilities makes a lot of sense to Matt. He will bring these discussions to the FTC. WDFW and FTC are more than willing to tackle this issue once there are options on the table to discuss.*

---

## **FHMP Update**

**Presenter: Matt Bleich**

Matt explained that they recently heard back from FERC regarding the 1-year request of time made in January. FERC has approved a nine-month extension – until October 18 of this year. FERC would need additional justification in the form of letters of support from the FTC, WDFW, and NMSF for any additional extension beyond that date. Matt suggested that FERC wants to see concrete signs of progress being made toward a completed work product. If this occurs, they will likely respond with a final drop-dead date for the FHMP submittal.

He expressed great appreciation for the considerable time and effort people are devoting to the FHMP process. FTC members reviewing the chapters have noted the documents are very large and this presents a challenge in reviewing them in a timely manner. To date Matt has been fairly accommodating with extending the schedules he puts forth to honor the time needed for the review effort. He explained that with the October deadline he will necessarily be less accommodating with such requests going forward and apologized in advance for this. He acknowledged the FTC has done a lot of good work and has made great progress and as the initial chapters take shape and are approved, subsequent chapters should fall into place more easily.

Currently Status: The workshops are yielding good work products in terms of the themes to be included in the various species chapters. TPU recently received the last of the feedback on the Chinook Chapters and he was pleased to report that there were no surprises in any of the comments. TPU hopes to wrap up comments on the Coho Chapter by June 7.

TPU will not be addressing structural comments as this time – They have engaged a consultant to address this. Matt will see if the consultant can possibly attend the FHMP placeholder meeting on July 2 to engage directly with the FTC on these issues. Schedule highlights:

- Spring Chinook Themes – The chapter comment period has passed. Matt asked that any additional comments on the major themes derived from the workshop be provided by June 7, 2019.



- Coho Chapter Review and Themes – The comment period for coho has passed. Comments on the major themes is due June 7, 2019.
- Steelhead Chapter – This chapter is currently in development. Comments on major themes from the workshop and provide comments are due by June 14, 2019.
- Cutthroat and Chum Chapters – Development of these chapters will begin in the next couple of weeks. Please provide comments to the themes (highlighted in the attached) by July 2, 2019. Note: the Steelhead, cutthroat and Chum themes are all in the same attachment.
- Please do not focus comments on the structure or format of the document. These comments will be addressed by the technical editor TPU has contracted for this role. They will engage interested members of the FTC as soon as possible.
- The Chinook Chapter should be out to the public in a couple of weeks.
- TPU will incorporate Chinook edits into revised set of Chinook Chapters and send out for public review the middle of June. Note: These won't contain structural edits as the structural review will continue with editor.
- By July 1 the Steelhead Chapter should be out for review.
- The M&E Chapter is under internal review at TPU and will go back to the M&E Subgroup for additional work.
- The Annual Project Review (APR) Chapters are now in development.

#### **Action Items:**

- Matt: Send out themes for Spring Chinook, Coho and Steelhead ASAP.
- Matt: Follow up with dates of requested actions given the accelerated FERC submittal schedule.
- Matt: Send out agenda for July 2 FHMP Meeting
  - Review Structural Component with Consultant (?)
  - APR Prep
  - CRR Update (report from June workshop)

---

#### **Annual Project Review**

##### **Presenter: Matt Bleich**

Matt explained that it has been a few years since TPU engaged in the APR process which was deemed a low priority as we weren't making any program changes. Matt now believes it is important to do the presentations for the public using the models to describe why we are doing what we are doing, and how it fits with the models even if it is status quo. For this year Matt proposes the APR be a three-day process, incorporating lessons learned from prior years, requirements from the FHMP and the license, and the potentials for improvements:

1. Day 1: Combination of APR /Science Conference on July 10:
  - a. Cover the purpose of the APR as described in the FHMP, summarize trends from last five years, describe the decision rules, and circumstances that would call for changing those rules.
  - b. Set the stage for Day 2 with various science presentations, data from models, HSRG rule set, Hatchery operations, targets, and whether the program met goals and why/why not.
  - c. Members of the FTC would be encouraged to attend the presentations and talk with the public, ask / answer questions, etc.
2. Day 2: During FTC Meeting on August 6:

- a. TPU would present a suite of programmatic options to address the decisions and there would be a conversation with the FTC and then develop together what the suite of options would entail.
3. Day 3: Public meeting the week of August 12:
  - a. Present options to the public and solicit feedback.
  - b. Present the themes for the future GHMP and receive early feedback.
4. Final product: TPU would prepare a summary of the APR process and the conclusions and plan for operations for 2020 season.

**Action Item:** Matt will send an outline of the 2019 APR plan and draft agendas for the July 10 and week of August 12 meetings.

---

### **PM Public Comment Period**

Greg King:

Concerned about not having grant writing skills. He would like to see an extension - perhaps 10 days to submit a proposal for Chinook recovery and orcas. He is also working on a chum program. *Travis agreed that this is a reasonable request and it is a challenge for citizens who don't have the same resources available to them as agencies do.*

Jack Tipping:

The Cowlitz River is closed to spring Chinook Fishing as is the whole lower Columbia to protect Cowlitz spring Chinook. Anger about this may explain why the Columbia River Endorsement fee was terminated. Based on (Jack's) run prediction model those fisheries will remain closed for at least the next two years. The closures cost millions of recreational dollars and the low numbers inhibit upper basin recovery. Suggests that the FTC (with no sports fishery representation) is partially responsible for this by varying hatchery release guidelines established in 1991. FTC didn't even try experimental releases beforehand. Put forth a proposal last week for CRR funds. The proposal was poundage neutral and called for rearing some coho in the existing Mayfield net pens to make room at the hatchery so some spring Chinook could be reared to the 1991 standard. The result would increase adult returns by about 600 more adult fish, many of which could be placed in the upper basin. However, the proposal was rejected due to something about the APR committee having to approve these types of proposals (production changes) first. Jack urged the FTC to take swift action and approve these types of proposals so we can once again have sport fisheries and also improve upper basin recoveries. Rome is burning.

Randy LeDuc:

If things go well with the FHMP, when would it be implemented? *FERC has been less than responsive for turnaround approvals. The FTC hasn't yet had this conversation as the focus has been on the development of the FHMP. Implementation discussions will follow. In the meantime, CRR Proposals can be related to the 2011 (current FHMP).*

Is part of the consideration going to be some flexibility – if we know there will be a problem in the ocean, can the managers have some flexibility to increase egg take, adjust for predation, and so on? How do we improve rate of returned fish – create a program with more wins in it than “I'm sorrys.” *Yes, we are writing the new FHMP with flexibility in it. The HGMPs will help with permits / permissions to drive these programs forward. That same flexibility / perspective will be included in both documents.*

We are in crisis. How do we streamline the management process – first things first. If we improve habitat but have no fish, then that's a non-starter. Today's decisions impact fishing opportunities 4-7 years from now.

Greg King: Timeline of FHMP? Get each chapter to review? *TPU is ready to start releasing some drafts for review since the successful workshops.*

---

### **Plan for July 16 and/or August 6 FTC Meeting**

**Presenter: Travis Nelson**

Travis will be in touch with all regarding the next meeting dates.

### **Possible Topics for next FTC Meeting**

- Hydro Operations, incl. changes to minimum flows
  - Tire Removal at Mayfield
  - Gravel Augmentation Decision Document
  - Trout Hatchery Remodel Update
  - Cowlitz Restoration & Recovery Fund (new or amended Decision Document)
  - Downstream Adaptive Management TWG
  - Additional Tilton Release Site
  - M&E Subgroup Report
  - FHMP Process Update
  - Water Quality Summary Report
- 

### **Meeting Evaluation**

- Went well
  - Lots of information was shared
  - Good, frank discussion
  - Confusion about start time and location
  - Multiple agendas sent in last week caused confusion
  - Acoustics - need a microphone
  - Appreciated lunch being supplied – perhaps sandwiches for lunch next time instead of pizza?
- 

### **Parking Lot**

- Review FTC Protocols
- Steelhead Recycling Program