



**PRCC Habitat Subcommittee  
 Conference Call**

**Thursday, 12 January 2023  
 11:30 a.m. – 2:30 p.m.**

**Meeting Minutes**

**PRCC Habitat Subcommittee Members**

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Kate Terrell, USFWS	Chris Fisher, CTCR
Dave Duvall, Deanne Pavlik-Kunkel (alt), GPUD	Brandon Rogers, Hans Smith (alt), YN
Justin Yeager, NMFS	Carl Merkle, CTUIR
Jeremy Cram, WDFW	Erin Harris, GPUD
Nathan and Clayton Buck, Wanapum	Tracy Hillman, BioAnalysts, Facilitator

**Meeting Attendees**

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Justin Yeager, NMFS	Dave Duvall, GPUD
Brandon Rogers, YN	Chris Fisher, CTCR
Jeremy Cram, WDFW	Deanne Pavlik-Kunkel, GPUD
Erin Harris, GPUD	Tracy Hillman, BioAnalysts

**Action Items:**

- Dave Duvall will check to make sure that he has received the final invoice on the Ben Canyon Creek Fish Passage Project. If so, the project will be closed.
- Chris Fisher will check with ONA on the status of the Shingle Creek Fish Passage Project.
- Chris Fisher will check with ONA on the status of the Lower Trout Creek Re-naturalization: Stage 1 Construction Project.
- Tracy Hillman will request a detailed, line-item budget from Chelan County Natural Resources Department on the Cascade Orchards Icicle Creek Flow Restoration Project.
- Tracy Hillman will update the Land Acquisitions and Conservation Easements section in the PRCC Habitat Subcommittee’s Operating Procedures.

## Decision Items<sup>1</sup>:

- PRCC Habitat Subcommittee members approved the contribution of \$500 to the Upper Columbia Salmon Recovery Board's Floodplain Workshop, which will be held on Tuesday, 24 January 2023.

### I. Welcome and Introductions

Tracy Hillman welcomed everyone to the meeting and participants introduced themselves. Kate Terrell<sup>2</sup> was unable to attend the meeting.

Tracy noted that the PRCC Habitat Subcommittee and HCP Tributary Committees will meet jointly for the presentation on monitoring fish use of floodplain habitat by Carlos Polivka. Following the presentations, the PRCC HabSC will take a short lunch break and reconvene to discuss PRCC HabSC items.

### II. Monitoring Fish Use of Floodplain Habitat (with the HCPs Tributary Committees)

Carlos Polivka (USFS), Keith van den Broek (Hinchinbrook Eco Innovations), Stine Griep (Hinchinbrook Eco Innovations), Matt Holland (CCNRD), and the HCP Tributary Committees joined the meeting to discuss the monitoring of fish use of floodplain habitat in the Entiat River basin. Carlos shared a presentation that outlines what monitoring they have completed and what they are proposing to do (see Attachment 1). He started by identifying all his partners and then briefly described what they have learned to date. He stated that at the habitat scale, juvenile Chinook use engineered log jam (ELJ)-enhanced pools at higher rates than untreated habitat and that this observation is consistent with previous long-term studies (except for steelhead). He also indicated that habitat capacity of juvenile Chinook increased with the addition of ELJs. Thus, ELJs do not redistribute fish. Rather, ELJs actually increase abundance of juvenile Chinook. At the reach scale, they demonstrated that treatment reaches were more productive for juvenile Chinook and Coho than untreated reaches. He noted that the presence of juvenile Coho in ELJ pools affected the habitat capacity and immigration of juvenile Chinook into pools. He added that close spacing (<20-25 m) of ELJs appears to facilitate movement of juvenile fish between ELJs and that Chinook remaining at an ELJ appear to grow larger than Chinook that leave ELJs. Unfortunately, he was unable to assess total abundance because they did not mark enough fish.

Carlos and his team identified follow-up questions. Those questions include: (1) which juvenile life stages and species are using the different off-channel habitat types on floodplains when activated; (2) how much stranding occurs across different restoration types and which species and life stages are stranded; (3) how would new abundance and growth/survival data change life cycle model predictions; (4) how would long-term data change life cycle model predictions; and (5) do fish within other sub-basins (e.g., Wenatchee River basin) confirm responses to restoration efforts? Based on these questions, Carlos and his team are developing a research proposal that includes three levels of investigation. The first level of research will assess habitat use by fish on reconnected floodplains. This includes sampling density of different life stages and species within different habitat types. They intend to use mark-recapture techniques when possible. They will also evaluate competitive interactions under Level 1 research. The second level of research will evaluate fish stranding. Here, the objective is to assess how many fish are stranded, what life stages and species are stranded, and identify what enhancement designs result in the fewest stranded fish. They will do this by counting and identifying stranded fish

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<sup>1</sup> All decision items listed here were approved by PRCC HabSC members.

<sup>2</sup> Kate Terrell and/or Bill Gale (USFWS) provided their votes on decision items following the meeting.

once per week starting when disconnected pools emerge. In addition, they will measure the size and number of disconnected pools within different floodplain types. This will help them assess the effects of excavated side channels on stranding.

Carlos indicated that a life cycle model was being developed for the Entiat, but funding for the effort was terminated before the model was completed. He said Level 2 research will help parameterize the model by including information on two important life stages: (1) parr-to-smolt density and survival and (2) fry-to-parr density and survival. Information on the former will include summer and winter sampling within treated and untreated reaches; information on the latter will include VIE (visible implant elastomer) mark-recapture sampling for abundance, weekly sampling of fry on floodplains, measurements of fish size, and assessment of habitat types.

Carlos said that the third level of research will include a multi-year PIT-tag study to assess temporal variation in the Entiat River. This will include the tagging of 1,000 juvenile Chinook collected from different habitat types and river segments each year over a three-year period. Existing detection arrays within the river and at dams will help them track movements of juvenile Chinook and estimate survival. These data will be used to parameterize the life cycle model. Carlos said another part of Level 3 research is to assess spatial variation in restoration effectiveness. This will include adding floodplain sites in the Wenatchee River basin and perhaps the Puget Sound area. The goal here is to study restoration effects in regions with different amounts of rainfall, distance to ocean, predation, and intra- and inter-specific competition conditions.

Carlos summarized the levels of research as follows:

Level 1: Basic floodplain fish density and habitat sampling

- Four-week study
- Four study reaches in the Entiat River

Level 2: Fry-to-parr survivorship and life cycle modeling (LCM)

- Stranding study
- Fry-to-parr survivorship in tributaries
- LCM – Density and growth of fry in activated floodplains
- LCM – PIT tags for population size, growth, and parr-to-smolt survival
- LCM – Continued development and analysis

Level 3: Expansion to the Wenatchee River basin

- Level 1 and 2 studies implemented at four additional sites
- Requires separate field crew and equipment
- LCM – Longer term PIT-tag study

Carlos ended by showing the proposed timeline for the study and identified potential funding sources. He noted that \$239,800 is needed to conduct Level 1 research, \$122,575 is needed to conduct Level 2 research, and \$223,650 is needed to conduct Level 3 research. Carlos added that he has confirmed funding from the USFS Pacific Northwest Research Station. He will be requesting addition funding from the Bureau of Reclamation, Tributary Committees, PRCC Habitat Subcommittee, and others.

Jeremy Cram remarked that he is excited about this work and asked whether Carlos has been coordinating with the NOAA Science Center. Jeremy said the Science Center is expanding the Habitat Assessment and Restoration Planning (HARP) life cycle model, which was developed for a river system on the westside of the Cascade Mountains, into the Columbia River basin. Carlos responded that he has been in contact with Tim Beechie and George Pess and the data he is proposing to collect will feed into the HARP model. Jeremy asked about the status of the Entiat life cycle model. Keith van den Broek replied that they will need to update the code, re-parameterize the model, and include more recent information. Keith indicated that Shubha Pandit, who originally developed the model, will include some of his free time to help update the model. Jeremy said it would be useful to use both the HARP model and the Entiat life cycle model to evaluate population-level effects. The two models take different approaches to estimating population-level statistics. Jeremy recommended that Carlos and his team also coordinate with WDFW (specifically Tom Desgroseillier) as they move into Level 2 monitoring. Carlos said they intend to coordinate with WDFW. As a final comment, Jeremy questioned the number of fish to be PIT tagged. He said the tagging of 3,000 juvenile Chinook Salmon (1,000 per year) is probably not a large enough tagging group to generate reliable population-level statistics. Keith responded that they intend to use existing data to determine sample sizes.

Brandon Rogers commented that he is glad to see a study such as this being proposed. He recommended that the study include side channels and off-channel pools/ponds that go completely dry. Carlos indicated that the study will include side channels that go dry. Tracy Hillman questioned the use of VIE tags to mark fry. Some of these tags are shed and they can be hard to identify during recapture events. Tracy recommended they look into marking fry with Calcein, a fluorescent compound that binds with calcium and will fluoresces when excited with blue light. Tracy indicated that Calcein is used effectively to batch mark sturgeon larvae. Tracy was unsure whether it has been used to mark Chinook and steelhead fry but recommended Carlos and his team look into the use of Calcein as a potential method to batch mark fry.

The PRCC Habitat Subcommittee and Tributary Committees thanked Carlos and his team for presenting to the groups. The Committees and PRCC Habitat Subcommittee will likely see monitoring proposals from Carlos and his team sometime soon.

### **III. Lunch Break**

### **IV. Welcome and Introductions**

Tracy Hillman welcomed everyone to the meeting and participants introduced themselves.

### **V. Agenda Review**

The PRCC Habitat Subcommittee (PRCC HabSC) reviewed and approved the January agenda with one addition: Sponsorship of the Upper Columbia Salmon Recovery Board Floodplain Science Workshop.

### **VI. Approve December Meeting Notes**

PRCC HabSC members reviewed and approved the 8 December 2022 meeting notes.

### **VII. Review Action Items**

The PRCC HabSC reviewed the following action items from the December meeting:

- Jeremy Cram will find out if the Libby Acquisition Project can be closed. **Complete. The project can be closed once the final invoice is received.**

- Chris Fisher will share the 2018-2022 Fish Passage Monitoring at McIntyre Dam report with the PRCC Habitat Subcommittee (PRCC HabSC). **Complete.**
- Chris Fisher will inform the Okanagan Nation Alliance that they are welcome to submit a specification sheet requesting funds to modify Gate 5 at McIntyre Dam. **Complete.**
- Dave Duvall will contact Cascade Fisheries to discuss the additional insurances required by Grant PUD. **Complete.**

## VIII. Project Updates

Members of the PRCC HabSC provided the following updates on funded projects:

- **Lower Wenatchee Instream Flow Enhancement Project, Phase II Project** – Tracy Hillman stated that Trout Unlimited (sponsor) met with the Jones Shotwell Ditch Company (JSDC) directors to discuss the project. They mapped out project timelines and discussed JSDC easements, grant applications, water-use records, permitting, and the JSDC support letter.
- **Icicle-Peshastin Irrigation District Fish Screen Project** – Following the meeting, Jeremy Cram reported that the screen house and about 95% of Icicle Peshastin Irrigation District’s in-kind work was completed in September. During late October and early November, they installed 90% of the screen components and are on schedule to complete the installation by late April. WDFW is currently managing the electrical and controls contract, which will complete the final installations and remaining electrical hook-up. The project will be operational for the 2023 irrigation season.
- **Ben Canyon Creek Fish Passage Project** – Dave Duvall reported that an invoice on this project was received in December. Dave will check to make sure that is the final invoice. If so, the project will be closed.
- **Cascade Orchards Icicle Creek (COIC) Flow Restoration Project** – Justin Yeager reported that the PRCC HabSC received a new spec sheet on this project (see Section IX below).
- **ORRI VDS Backwatering Project** – Chris Fisher said that the Okanagan Nation Alliance (sponsor) completed the two, back-watering riffles last year. The Provincial Government and ONA are waiting to evaluate the effectiveness of the two riffles. Depending on the effectiveness of the two riffles, they will construct the remaining three in 2023.
- **Shingle Creek Fish Passage** – Dave Duvall said he has not received any invoices on this project. Chris Fisher said he will check with ONA on the status of this project.
- **Lower Trout Creek Re-naturalization: Stage 1 Construction** – Chris Fisher said he had no update on this project. He will contact ONA to determine the status of this project.
- **Big Meadow Creek Fish Passage Restoration Project** – Tracy Hillman reported that the sponsor (Cascade Fisheries) finished working through the insurance requirements with Grant PUD and now have Rapid Span under contract and working on shop drawings for the bridge superstructure. Once the drawings are complete, they will send them to the USFS for review. Bids for this project are due on 9 March 2023. The sponsor received the Hydraulic Project Approval for this project.

## IX. Restoration/Protection Projects

**Cascade Orchards Icicle Creek Flow Restoration Project** – Justin Yeager introduced the specification sheet titled, *Cascade Orchards Icicle Creek Flow Restoration Project (Amended Request from March 2021 Submittal)*. Chelan County Natural Resources Department (CCNRD) is the sponsor of this project. The goal of this project is to permanently restore 11.9 cubic feet per second (cfs) and 4,012.4 acre-feet per year (afy) of instream flow to Icicle Creek through a partial water rights acquisition and construction of a downstream pump station and piped irrigation system. The project will add 11.9 cfs and 4,012.4 afy of flow from RM 4.5 to RM 1.9 and at least 3.9 cfs and 2,694 afy of flow from RM 1.9 to the confluence of Icicle Creek with the Wenatchee River. Ninety-percent designs have been completed and bid documents are scheduled to be completed by the end of January 2023. Final permits and project bidding should be completed by June 2023. Construction should begin in August, assuming all funding and permits are in place, and the project is scheduled to be completed by April 2025. The total cost of the project is \$5,250,000. The sponsor requested \$765,000 from the PRCC HabSC.

Justin indicated that Washington Water Trust, who was the former sponsor of this project, worked with their consultant (Anchor QEA) on updating the total cost of the project. They determined that the total cost of the project increased significantly since the construction costs were estimated in 2019. Since then, costs for materials and labor have increased and the original estimate did not include contingencies such as unexpected difficulty in excavation. Thus, the cost to construct the project increased to \$5.25 million, leaving a funding gap of \$1.2 million. As a result, the sponsor, now CCNRD, is requesting additional funds from several funding entities. Hence the reason for the new specification sheet.

The PRCC Habitat Subcommittee reviewed the specification sheet carefully and decided to table the proposal, because, as they understand it, the funding gap may end up being larger than \$1.2 million. Thus, there may be a need to increase the requested funding amount from the PRCC HabSC. In addition, the PRCC HabSC would like to review the report of examination, which will soon be issued by Ecology. This will help the PRCC HabSC evaluate whether the benefits of the project justify the cost. The PRCC HabSC would also like a spreadsheet showing the cost of each item and the funding entity associated with each item. This detailed budget should include the Cascade Orchards Irrigation Company's contribution to the project. Tracy Hillman will request this additional information from the sponsor.

After receiving additional information from the sponsor, the PRCC HabSC will reconsider the specification sheet during their February meeting.

## X. Information Updates

**Salmon Recovery Funding Board 2023 Schedule** – Tracy Hillman reviewed the Salmon Recovery Funding Board (SRFB) schedule for 2023 (see Attachment 2). Important dates are noted below:

- Pre-Applications Due: 9 March 2023
- Presentations by Project Sponsors: 29-30 March 2023
- Completed Draft Applications Due: 20 April 2023
- Site Visits: 8-10 May 2023
- Committees Review Draft Applications: 11 May 2023
- Final Application Due: 16 May 2023
- Committees Review Final Applications: 8 June 2023

Tracy noted that the SRFB applications require a cost share of at least 15%. Therefore, the PRCC HabSC may receive applications requesting funding to help cover the cost share.

**UCSRB Floodplain Science Workshop** – Tracy Hillman reported that the Upper Columbia Salmon Recovery Board (UCSRB) will host a Floodplain Science Workshop on Tuesday, 24 January 2023. This workshop will replace the Science Conference the UCSRB would have hosted in 2022 but was cancelled because of the pandemic. Tracy said the one-day workshop in January will focus on floodplain reconnection projects and their biological benefits. He added that registration is required for those who intend to participate in person.

Members noted that in the past they (PRCC HabSC) contributed \$1,000 to the conference. Given that this is a one-day workshop, not a multiday conference, Chris Fisher thought it would be appropriate to contribute \$500 to the workshop this year. All members (Bill Gale voted on behalf of Kate Terrell) approved the contribution of \$500 from the PRCC HabSC.

***Decision:*** *PRCC Habitat Subcommittee members approved the contribution of \$500 to the UCSRB Floodplain Workshop, which will be held on Tuesday, 24 January 2023.*

**RCO Salmon Recovery Conference** – Tracy Hillman reported that the Washington State Recreation and Conservation Office (RCO) will host the Salmon Recovery Conference on 18-19 April 2023. The conference will be held in Vancouver, WA at the Convention Center. The theme of the conference is *A Shared Future*, which reflects the desire to hear broad community perspectives regarding salmon recovery. The conference will have virtual access for those who cannot attend in person. Registration opened on 4 January. PRCC HabSC members are encouraged to register for the conference.

**Restoring Riverscapes Workshop: Advancing Process-Based Actions** – Tracy Hillman reported that NOAA Fisheries will host a virtual Restoring Riverscapes Workshop on 7-9 March 2023. The workshop will focus on advancing process-based restoration actions. The goals of the workshop are to discuss the principles and benefits of process-based restoration actions, dive into the challenges these approaches present, and work on solutions to encourage robust, region-wide implementation. The workshop will examine process-based restoration, provide riverscape restoration examples, explore constraints and solutions, and describe the road ahead. Registration opened on 3 January. It was recommended that members of the PRCC HabSC register for the workshop.

## **XI. Administration**

**Review PRCC Habitat Subcommittee Operating Procedures** – Tracy Hillman indicated that at the beginning of each year, the PRCC HabSC needs to review their operating procedures and make necessary updates or changes. Dave Duvall indicated that we may need to update the section titled, Land Acquisitions and Conservation Easements. He said the PRCC HabSC recently approved an updated version of the Deed of Rights, which will need to be reflected in the Operating Procedures. The PRCC HabSC directed Tracy Hillman to make changes to the Land Acquisitions and Conservation Easements section. The PRCC HabSC will review and approve the updated language during their February meeting.

## **XII. Adjourn**

Tracy Hillman adjourned the meeting at 2:30 pm.

## **XIII. Next Meeting**

The next meeting of the PRCC HabSC will be on 9 February 2023.

# Attachment 1

## Presentation by Carlos Polivka on Monitoring Fish Use of Floodplain Habitat

### Post-restoration monitoring proposal

Floodplain reconnection and its effects  
on critical salmonid life stages

### Who we are ...



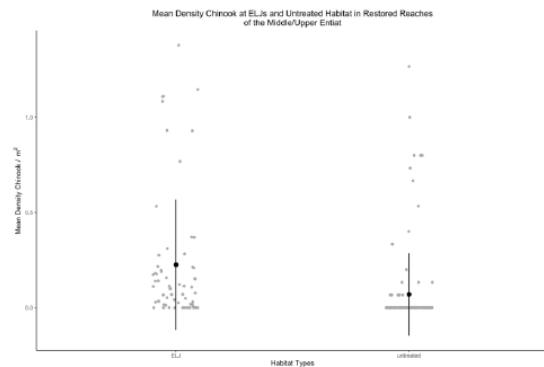


# What we learned ...

## Tier 1 Data Gap: Effects of scale (spatial and temporal) of monitoring

Habitat scale monitoring (2022):

- Chinook use ELJ-enhanced pools at higher rate than untreated habitat.
- Consistent with previous long-term results (except for steelhead; no longer-term data for Coho, which were abundant in 2022).
- Habitat capacity for Chinook increased by ELJs - supports past results



# What we learned ...

Reach scale monitoring:

- Across reaches, Chinook and Coho density showed that treated reaches were more productive than untreated reaches.
- Consistent with earlier data (except for steelhead)

Capacity:

- Presence of Coho in ELJ pools affects habitat capacity for immigration into pools by Chinook



Image: Matt Holland

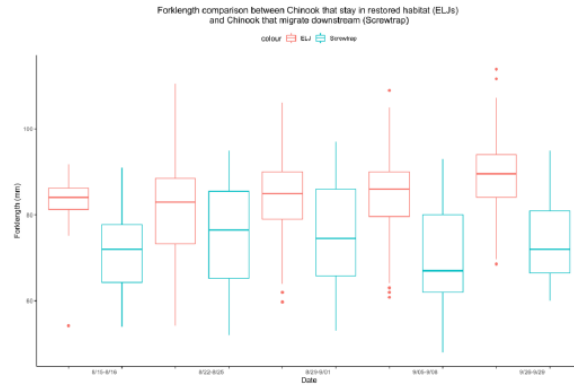
# What we learned ...

## Movement:

- Closer spacing of ELJs appears to facilitate movement between them at distances < 20-25 m.
- Remaining at ELJs appears to result in larger Chinook than late summer outmigration from the basin.

## Total abundance:

- Need more mark-recap data with individual identification.



# Follow-up questions ...

1. Which life stages and species are using the different available off-channel habitat types in floodplains when activated (fry, yearlings/pre-smolts, 1<sup>+</sup>-2<sup>+</sup> steelhead juveniles)?
1. How much stranding occurs across different restoration types and which species and/or life stages are stranded?
1. How would new abundance and growth/survival data (all habitats, two key life stages) change Life Cycle Model predictions?
1. How would long term data change Life Cycle Model predictions?
1. Do fish from other sub-basins confirm responses to restoration efforts?

# Level 1: Research proposal

Fish habitat use in reconnected floodplains

- Density sampling at different habitat types
- What life stage/ species inhabit what habitat and when?
  - If mark-recapture is possible, we can analyze habitat use for competitive interaction.



Images: Matt Holland

# Level 2: Research proposal

Effect of floodplain design on stranding

- How many individuals strand?
  - What species/life stages strand?
  - What floodplain design results in fewest stranded individuals?
1. We will count and identify stranded individuals in floodplains once per week at floodplains from the time when disconnected pools emerge.
  2. Additionally, we will measure the size and number of disconnected pools in the three different floodplain types to study the effect of excavated side channels on stranding.

## Level 2: Research proposal

LCM parameterization sampling - Two important life stages

- Parr-to-smolt density and survival: PIT tag mark-recapture in the upper, middle and lower Entiat
  - summer and winter sampling
  - treated vs. untreated reaches.
- Fry-to-parr density and survival:
  - VIE mark-recapture for abundance estimates or size-over time
  - weekly samples of early juvenile (fry) life stages of Chinook Salmon in off channel habitats at high flows
  - measure the size of individuals at each capture event
  - Habitat types:
    - Floodplains
    - Tributaries (Entiat): potential BDA study (Cascadia)

## Level 3: Research proposal

Temporal variation in the Entiat

- Multi year PIT tag study
1. We will tag 1000 Chinook Salmon individuals from different habitat types and river segments during the summer of each year over three years.
  2. Then we will use existing arrays and sensors at dams to track movement in and out of the basin as well as survivorship.

From abundance and survivorship data, we will parameterize a version of a Life Cycle Model, particularly for the Entiat sub-basin where such work is yet to be completed.

## Level 3: Research proposal

Spatial variation in restoration effectiveness

- Application of methods used in 2022 plus floodplain methods described above
  - Wenatchee sub-basin - adds more restoration designs to stranding study
  - Puget Sound area?

We will apply mark-recapture and density methods to study restoration effectiveness in regions with different amounts of rainfall, distance to the ocean, predation- and intra-/interspecific competition conditions.



## Proposal Summary

Level 1: Basic floodplain fish density and habitat sampling

- 4 week study
- 4 study reaches in the Entiat River

Level 2: Fry to parr survivorship, Life Cycle Modeling (LCM)

- Stranding study
- Fry to parr survivorship in tributaries (BDAs?)
- LCM - Density and growth of fry in activated floodplains
- LCM - PIT tags for population size, growth, and parr to smolt survival
- LCM - Continued development and analysis

Level 3: Expansion to Wenatchee sub-basin sites

- Level 1 and Level 2 studies implemented at four additional sites
- Requires separate field crew/equipment
- LCM: Longer term PIT tag study

# Timeline

Task	2023											2024			
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	...
Coordination & Planning	█	█	█	█						█	█				
<b>Level 1 (Entiat)</b>															
Habitat preference & Competition			█	█											
<b>Level 2 (Entiat)</b>															
VIE or density/survival floodplains & tributaries (including BDAs)			█	█	█	█									
Stranding					█	█	█								
PIT tag treated/untreated reaches in Middle Entiat					█	█	█	█	█			█	█		
<b>Level 3 (spatial and temporal extension)</b>															
Entiat PIT tag longer term					█	█	█	█	█	█	█	█	█	█	█
Wenatchee sub-basin & Puget Sound area			█	█	█	█	█								
Analysis and Reporting	█	█	█	█			█	█	█	█	█	█	█	█	█

## Comprehensive funding 2023 ...

- Fully addresses all stated questions across multiple life history stages (Level 2 and 3)
- Meets objective of four survey reaches in the Entiat River (Level 1-3)
- Addresses stranding (Level 2 and 3)
- Obtains critical data to parameterize LCMs (Level 2 and 3)
- Level 3 funds would add a second Team to increase spatial coverage to four more reaches in the Wenatchee or Entiat River (Level 3)

Expense	Level 1 PNWRS Contribution	Level 2	Level 3
Project Management & Analysis	\$211,000	\$36,075	\$75,500
Fieldwork	\$28,800	\$86,500	\$149,150
<b>TOTALS</b>	<b>\$239,800</b>	<b>\$122,575</b>	<b>\$223,650</b>



## Other funding sources ...

- Confirmed
  - Pacific Northwest Research Station
- Requested
  - Chelan County Natural Resources Department
  - United States Bureau of Reclamation
  - Tributary Committee
- Potential
  - Puget Sound Partnership
  - Salmon Recovery Funding Board (RCO)
  - National Oceanic and Atmospheric Administration
  - Bonneville Power Administration

## Questions / Discussion



*Image: Matt Holland*

## Attachment 2

### Salmon Recovery Funding Board Schedule for 2023

UPPER COLUMBIA SRFB/ TRIB 2023 FUNDING SCHEDULE				
DATE	ACTIVITY/MILESTONE	PARTICIPANTS	LOCATION	FACILITATOR/ COORDINATOR
<b>FEBRUARY/MARCH</b>				
February 9 (afternoon)	Meeting: UC Region SRFB Kick-Off Meeting	LE, RTT, TRIB, Sponsors, RCO	Virtual	LE/RCO
March 10, COB	<b>DEADLINE:</b> Regional Project Pre-application (JotForm) submitted to Lead Entity	Sponsors	Online/Email	LE
March 29, 30	Meeting(s): Sponsor Presentations to RTT	Sponsors, LE, RTT, TRIB, SRFB Review Panel, CAC	TBD	LE/RTT/CAC
<b>APRIL</b>				
April 20, COB	<b>DEADLINE:</b> Complete applications due in PRISM	Sponsors, LE, RCO	PRISM	LE
<b>MAY</b>				
May 8, 9, 10	Tours: SRFB/TRIB Project Tours	Sponsors, LE, RTT, TRIB, SRFB SRP, CAC	TBD – Field tours & presentations	LE
	Wenatchee			
	Entiat			
	Methow			
	Okanogan			
May 11	Action: TRIB reviews draft proposals	TRIB	TRIB	TRIB Chair



## UPPER COLUMBIA SRFB/ TRIB 2023 FUNDING SCHEDULE

DATE	ACTIVITY/MILESTONE	PARTICIPANTS	LOCATION	FACILITATOR/ COORDINATOR
May 12	Lead entity feedback (optional)	LE	PRISM	LE
May 15	TRIB provides comments	TRIB	Email	TRIB Chair
May 17	Action(s): SRFB Review Panel reviews proposals;	SRFB Review Panel	N/A	N/A
May 19, COB	<b>DEADLINE:</b> Revised proposals due for regional RTT scoring and CAC ranking	Sponsors, LE, RCO, SRFB Review Panel, RTT, CAC, TRIB	PRISM	LE
May 24	First Comment Form: Sponsors receive SRFB Review Panel project status ( <i>Clear, Conditioned, NMI or POC</i> )	SRFB Review Panel, LE, Sponsors	Email/Prism	LE
<b>JUNE</b>				
June 6 (afternoon)	Action: (optional) Discuss projects identified as conditioned, NMI or POC	Sponsors, RCO, SRFB Review Panel, LE	Conference Call	LE/RCO
June 7	Action: RTT review/scoring	RTT, CAC, LE	RTT Meeting	RTT
June 8	Action: TRIB reviews final proposals	TRIB	TRIB Meeting	TRIB Chair
June 12 & 13 (evenings)	Presentations to Citizens: Okanogan/Chelan CAC's	Sponsors, CAC's, RTT, LE	TBD	LE

## UPPER COLUMBIA SRFB/ TRIB 2023 FUNDING SCHEDULE

DATE	ACTIVITY/MILESTONE	PARTICIPANTS	LOCATION	FACILITATOR/ COORDINATOR
June 15	Action: TRIB Decisions	TRIB	Email	TRIB Chair
June 20 (evening)	Joint CAC SRFB final ranking	CAC's, LE	TBD	LE
June 26, Noon	<b>DEADLINE:</b> Final revised applications due in PRISM	Sponsors, LE	PRISM	LE
<b>JULY</b>				
July 12-13	Action: SRFB Review Panel completes comments	SRFB Review Panel, RCO	N/A	RCO
July 20	Final Comment Form: Sponsors receive final SRFB Review Panel comments	SRFB Review Panel, LE, Sponsors	Email/Prism	SRFB Review Panel
<b>AUGUST</b>				
August 3	<b>Deadline:</b> Sponsors must accept SRFB Review Panel conditions	Sponsors	Email/Prism	LE/RCO
August 4	<b>Deadline:</b> Regional Ranked List submitted to RCO	LE	PRISM	LE/RCO
August 11	<b>Deadline:</b> Regional Submittal	LE	Email	LE
<b>SEPTEMBER</b>				
August 30	Final grant report available for public review	RCO	Email	RCO

## UPPER COLUMBIA SRFB/ TRIB 2023 FUNDING SCHEDULE

DATE	ACTIVITY/MILESTONE	PARTICIPANTS	LOCATION	FACILITATOR/ COORDINATOR
Sept 13 & 14	Action: SRFB Funding Decisions	SRFB	Olympia, WA	RCO

### Acronyms

CAC- Citizen’s Advisory Committee  
 LE- Lead Entity Coordinator/Program  
 PRISM – RCO’s Application portal/ database  
 RCO - Recreation and Conservation Office  
 RTT- Upper Columbia Regional Technical Team  
 SRFB - Salmon Recovery Funding Board  
 SRFB Review Panel - State Review Panel  
 TBD – To be determined  
 TRIB- Tributary Committees  
 UC- Upper Columbia Region  
 UCSRB - Upper Columbia Salmon Recovery Board

### Timeline Legend

Meetings	Blue
Deadlines	Red
Actions	Black