

**July 12, 2017**  
**ENTIAT WATERSHED PLANNING UNIT MEETING MINUTES**  
**Entiat Grange Hall, Entiat, WA**  
**9:00 a.m.**

**Meeting Attendance:** See Attendance List (**Attachment #1**)  
See detailed Agenda (**Attachment #2**)

**Facilitator / Watershed Coordinator:** Jason Sims

**Notes:** Patrick Haggerty

**Welcome / Introductions** Meeting began at 9:05 a.m.

Jason welcomed those in attendance. It was a small group today as several folks reported not being able to attend due to cherry season. He began the meeting with a round of introductions.

- **Approve April 2017 EWPU Meeting Minutes**

Jason asked if there were edits for the April 2017 Minutes. No comments or edits were made and the minutes were finalized.

Jason: We will talk about the plan update, have a presentation by Tom Degroseillier, and an update on the Shoreline Master Plan from the County.

**Entiat Landowner Steering Committee**

- **WRIA 46 Plan Update and Document Review (D)**  
*(Attachment 3: Entiat Action Plan presentation and handout)*

Jason: The report was provided to a focus group of 6 landowners and 6 agency folks for feedback before this meeting. All positive feedback from focus group with no recommended changes.

Mike Kaputa: I think it's a great outreach document, and suggest creating a practical working document within the report that could act as a working document/checklist format.

Jason: *(Worked through the slide show, focused on slides about what we have done and what we need to do.)* Suggested binning actions into 3 items (habitat restoration, water management, and monitoring.)

Steve Kolk: Does 2300 population include the town of Entiat? Do folks in town consider themselves a part of the watershed?

Comment: Monitoring is misspelled in headline on page 12.

Jason: I will send out digital copies of the report and ask for feedback by the end of next week.

- **Life-History Diversity of Entiat River Subyearling Chinook Salmon**  
(Attachment 4: *Life-History Diversity of Entiat River . . . presentation*)

Tom Degroseillier: (*Gave an update on the US Fish & Wildlife Service [USFWS] current research.*) The Entiat River recovery objective is at 500 natural spawning adults.

The 12 year geometric mean represents current situation which sits at 200 annual Spring Chinook spawners returning.

Focusing on the tributary level habitat for the last decade has helped but has not been the silver bullet.

One way USFWS is addressing these questions is through studying life history diversity.

Discussion about the metadata for the model followed.

Mike K: referenced a genetics study by WA Department of Fish & Wildlife (WDFW) that questions if the genetic make-up of the fish we are trying to recover is consistent with genetic history, or are we just trying to adapt UC Spring Chinook to the Entiat.

Tom D: There is good evidence that the historical genetics have been lost, recovery efforts are focused on adapting Carson stock to utilization of the Entiat, and there may be some advantages to this due to anthropogenic and environmental changes.

Mike K: How long does this sort of adaptation take?

Tom D. – took salmon from PNW and took them to NZ. Over 50 – 60 years they adapted from life history behaviors similar to PNW salmon species to a NZ lifestyle change.

### **Life-History Diversity:**

Tom D: Many pathways salmon can take to successful reproduction. Spring Chinook in particular are experts at utilizing the Portfolio effect. Trying not to have all the juveniles in one place at one time.

In the Entiat we know that there has been quite a bit of sub-yearling out migrating to take a look at what this life history pathway is doing once they go to the Columbia.

Looks like some SC are rearing in the Columbia, which suggests there is some number of reservoir rearing in the Columbia, and then moving out of the Columbia.

Steve K: Does this data include data to decipher back water effects at the mouth of the Entiat?

Tom D: No, because this project was interested in focusing further downstream.

This has large potential loss effects due to spill times from the dams, 8 – 15% loss from turbines/adult fish passage x multiple dams equals potential large cumulative effects.

~30,000 sub-yearlings out migrated last year – 65% of the total population which may be conservative as the study did not look at fish less than 50mm.

2010 – 80% of all adult spawners left the Entiat as yearlings. 20% sub-yearlings.

Key findings:

It appears to be an advantage for reservoir reared fish versus Entiat reared fish.

Spring Chinook out migration appears to be nearly year around.

Overwinter rearing location is not limited to the Entiat River.

Additional analysis is needed.

Jason: additional updates:

- **Entiat River Appreciation Event**

Jason: Entiat River Appreciation Day is July 29.

- **Chelan County Shoreline Master Program**

Mike K: We had a Public Hearing yesterday. This is a 10 year process that is nearing the end. Jason, try and engage the Landowner Steering Committee to get some feedback.

### **Habitat:**

- **Entiat Project Updates**

Jason: The Yakama Nation is working on 3D and Upper Stillwaters. Chelan County Natural Resource Department (CCNRD) is working to remove the cottonwood bridge with the Land Trust funded through RCO acquisition funds and proposal to the Trib fund.

- **Middle Entiat Environmental Compliance**

Steve K: NEPA area APE was reduced to project areas BCEF. The project in area D is not going to be in because the bridge deck removal is not habitat related. The draft EA should be available this fall. Looking good to hopefully have capability funding this year to fund log acquisition. Discussion of a possible public meeting after Draft EA is released.

- **Roundtable Updates**

Tom D: The 2016 provided estimate of 270 natural origin Spring Chinook spawners.

Mike K: Maybe change the cottonwood bridge removal project to avoid confusion with the Cottonwood Campground bridge discussion previously had with the USFS.

Keith Van Den Broek: CHAMP/ISEMP monitoring is underway. 4 of 15 monitoring sites complete. Headed to Wenatchee and Methow until August 1<sup>st</sup>, and back to the Entiat. Pamela left and Keith is taking her position.

Joy Juelson: Upper Columbia Salmon Recovery Board (UCSRB) Independent Science Advisory Board (ISAB) tour, Greer and Joy have been working to make the tour more productive. Thanks to everyone who has been helpful.

Jason S: For the next meeting, CCNRD presentation in October about VSP. Extra landowner outreach and a Cushman appearance were requested. Salmon/Steelhead stamp renewed for 2 years.

**Meeting Close-out, Evaluation and Adjournment**

Jason S: The next Planning Unit meeting is on October 4, 2017, at the Entiat Grange Hall. Please fill out an evaluation of the meeting before you leave.

Thank you and see you in October.

The meeting adjourned at 10:47 a.m.

**List of Attachments**

<b><u>Attachment</u></b>	<b><u>Contents</u></b>
1	Attendance List
2	July 2017 Agenda
3	Entiat Action Plan Presentation
4	Life-History diversity of Entiat River Presentation