



## Chelan County Natural Resource Department

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### Re: Response to Upper Columbia Regional Technical Team (UCRTT) Technical Review Comments

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#### 7. North Road Culvert Replacement (CCNRD)

**UCRTT:** Chuck: there aren't any bull trout up there now.

**Response:** Noted.

**UCRTT:** Casey: the proposal claims it will provide access to 7 miles of habitat but needs to specify if that is with or without fixing the other 12 barriers?

Alan: yes, we are working with USFWS and BPA on completing those others.

Casey: you will want to provide that additional clarification in the final proposal.

**Response:** CCNRD is working with USFWS and BPA to replace approximately 12 privately owned culverts upstream from the North Road Culvert in 2009. Replacing the North Road Culvert and the privately owned culverts will provide access to approximately 7 miles of fish habitat upstream from the North Road Culvert.

**UCRTT:** Tracy: What is the habitat condition within those 7 miles?

**Response:** During the proposal review, Bob Steele (WDFW Fish Habitat Biologist) described the habitat condition in Chumstick Creek as the following:

"on the whole, the Chumstick has very good habitat, productive, good riparian conditions" (June 11, 2008 UCRTT Meeting Notes).

**UCRTT:** Casey: on p5, extensive paragraph on spring Chinook life history in the Wenatchee basin. Suggest that this may not be necessary in the final proposal. Just include how you think Chinook will benefit from the action.

Kate: may want to tie in the possibility of Coho use.

**Response:** Noted and included in the Scope of Work. The objective of the North Road Culvert project is to replace an existing 10 foot diameter partial fish passage barrier culvert with a bridge and natural stream channel to provide year-round passage to all fish species at all life stages. The goal of this action is to increase the spatial structure, abundance and productivity of listed Upper Columbia spring Chinook salmon and steelhead in the Wenatchee subbasin. The re-established migration corridor should benefit Chinook, steelhead, resident redband rainbow trout, and re-introduced coho by providing spawning and rearing habitat in Chumstick Creek. With the removal of the North Road Culvert, bull trout could potentially re-enter Chumstick Creek and its tributaries.

**UCRTT:** Ken B: fish-friendly structure implies that you haven't determined what type of structure yet, but the proposal includes a bridge.

Alan: it will be a bridge.

Ken B: Be sure to say that in the proposal so its clear your not evaluating other options.

**Response:** Noted and included in the Scope of Work. The North Road Culvert will be replaced with a bridge and a natural stream channel.

**UCRTT:** Joe M: is this SRFB only?

Joy: yes, it's a match from the existing source of funding.

**Response:** Yes, \$100,000 is being requested from SRFB. Nothing is being requested from the Tributary Committee. County Road Administrative Board (CRAB) funding is providing the bulk of the North Road Culvert project budget (\$1,718,779).

**UCRTT:** Joe K: do you know how long the culvert has been there?

Kate: since 1957.

**Response:** The North Road Culvert was built to replace a bridge in 1957. Historic photos are included as attachments.

**UCRTT:** Casey: The ISRP response section was awkward. I recommend not trying to estimate carrying capacity of a watershed for a barrier proposal. Estimating carrying capacity is not very straightforward and its species specific. If you were to do it, I would not recommend using bank full width as your stream width area multiplier. Other RTT members agreed that estimating carrying capacity is beyond the purview of a proposal such as this.

**Response:** Noted. CCNRD will not attempt to estimate carrying capacity.

**UCRTT:** Kate: you should define in the budget which portion is for the culvert/habitat work and which portion is for the adjoining road work, since this project goes beyond replacing the culvert.

**Response:** This proposal is requesting matching funds for part of a large scale road project. The Chelan County Public Works Department is replacing the North Road Culvert over Chumstick Creek along with a portion of the North Road, from Chumstick Highway to Fox Road (MP 0.05 to MP 0.56). **Only the goals, objectives and budget for the North Road Culvert are included in this proposal.** The goals, objectives and costs for the rest of the road project are **not** included.

**Cost estimate for the road project** (including the North Road Culvert): \$2,521,063

**North Road Culvert (without the road):** \$1,818,779

**SRFB Match Request:** \$100,000