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**From:** Justin Ly - NOAA Federal <justin.ly@noaa.gov>  
**Sent:** Tuesday, December 12, 2017 8:58 AM  
**To:** Harrison, Katrina  
**Cc:** Garwin Yip - NOAA Federal; Jana Affonso; Paul Zedonis; Seth Naman  
**Subject:** Re: Trinity Tribal Issues

Hi Katrina,

Thanks for the bullets. Here are my 2 cents in blue font. Paul, Seth, and FWS Arcata are familiar with these topics, and can chime too.

On Mon, Dec 11, 2017 at 4:12 PM, Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)> wrote:  
Hi Garwin, Jana, Justin -

Below is a brief list / notes on Trinity tribal issues. Hopefully Justin can help flesh out some of these further.

- Subsistence fishing closed for 2 years - both tribes are concerned about the status of the Trinity fish populations.

We all are concerned about the status of Trinity fish populations too.

- Ceratomyxa Shasta - There was a very high infection rate of juveniles to C. Shasta. Tribes are looking for solutions to bring levels of C. Shasta down.

Ceratomyxa shasta (or C. shasta) prevalence of infection for 2016 was highest in the Trinity River to Estuary (K1) reach at 52%, followed by 51% in the Salmon to Trinity (K2) reach. The lowest prevalence of 27% was observed in the Shasta to Scott reach ([True et al. 2016](#)). Fish are sampled later in the lower reaches, so they are likely getting infected along the way downstream on the Klamath River mainstem. This disease is influenced by both water temperature and flow velocity, both of which are issues on the Klamath side during the late spring and summer. Trinity River flows are unlikely to reduce POI, but open to suggestions on how the Tribe(s) think Trinity water could help.

- Willow Creek Weir - this weir is in neutral territory between the tribes, Hoopa operates the weir and harvest fish, Yurok thinks this should be shared between tribes

Agree, if Hoopa Valley Tribe agrees to use the Willow Creek weir as a coordinated weir for estimating escapement and harvesting salmon for both Yurok and Hoopas, fish would benefit from not having to encounter multiple weirs.

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- Trinity River Division - Their perception of avoidance of the federal government to meet the Tribal Trust obligations as it pertains to the TRD. They will call the continued operation of the Trinity River Division (in particular diversions), at the expense of a meaningful fishery, a violation of the law.

No comment. Tribes are entitled to their opinion.

- They believe the TRD and operations need to fundamentally be changed.

Welcome suggestions.

- They are concerned about water temperature management

Need more clarity. Concerned about elevated water temperature on Klamath side or depressed water temperatures on the Trinity side?

- Updated hatchery and Hatchery Genetics Management Plan

CDFW and Reclamation just emailed NMFS the Trinity Coho HGMP last night. Reduced smolt production resulting from the consent decree a huge issue for Hoopas. CDFW, Reclamation and NMFS have gone through many discussions with Hoopas, including G2Gs on this topic, so best to mostly listen and respond as appropriate.

- Carryover storage in current and future years - Both tribes want higher carryover storage in reservoirs. Higher storage increases risk of spill and reduces deliveries to all uses.

Agreed. Higher carryover storage is better.

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Thanks,

Katrina

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**Justin Ly**

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