

---

**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Monday, April 29, 2019 9:40 PM  
**To:** Eric Danner - NOAA Federal  
**Cc:** Miles Daniels - NOAA Affiliate  
**Subject:** Re: Tier analysis

Hey guys --

We're briefing Barry on this Tuesday morning. Can you give me a 1-2 sentence description of the best way to state this? I'm kind of characterizing it as a depiction of the least protective manifestation of Tier 2, assuming strict adherence to the Tier 2 assignment throughout the season, and no switch to other tiers. I'm not quite sure how you used historic temperature data to best represent the conditions throughout the river if targeting specific temperatures at CCR. Can you help me with that?

BTW Maria loved this and wondered why that other figure doesn't have NOT TO SCALE all over it!

Thanks -  
Cathy

On Wed, Apr 24, 2019 at 2:54 PM Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:  
Hi Cathy,

Here is Miles' first crack at the tier analysis. He used historic temperature data to best represent the conditions throughout the river if targeting specific temperatures at CCR. Thus he provided the three different percentiles (the three rows in the plot). Up to you if you would like to be conservative and just go with 75 (or maybe 90). Only temperatures so far - if this is what you were thinking of, then we can run the mortality models.

Eric

--

Eric Danner, Ph.D.  
Supervisory Research Ecologist  
Fisheries Ecology Division, Southwest Fisheries Science Center  
110 McAllister Way  
Santa Cruz, CA 95060  
831-420-3917  
<http://swfsc.noaa.gov/>