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**From:** Evan Sawyer - NOAA Federal <evan.sawyer@noaa.gov>  
**Sent:** Thursday, May 2, 2019 10:13 AM  
**To:** Howard Brown - NOAA Federal  
**Cc:** Cathy Marcinkevage - NOAA Federal  
**Subject:** Re: ROCON TDM box plots

Hi Howard,

The data plotted in the figures I sent earlier were derived by Miles Daniels at the SWFSC, using the methods described by Reclamation in BA appendix d, modeling. Using the methods described by Reclamation, Miles was able to generate the same model results as what Reclamation has presented in the BA (although Reclamation presented them by WYT not Tier). The Anderson (Hatch) and Martin (Emerge) results are based on CalSim II modeling (82 year record), HEC5Q temperature modeling (same for both COS and PA), and an averaged spatio-temporal distribution of WR redds (2007 - 2014).

Let me know if you need more,  
Evan

On Thu, May 2, 2019 at 9:30 AM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:  
Perfect, thank you Evan!

On Thu, May 2, 2019 at 9:04 AM Evan Sawyer - NOAA Federal <[evan.sawyer@noaa.gov](mailto:evan.sawyer@noaa.gov)> wrote:  
Oh and just to clarify,

in the box plots the horizontal line in each box is the median and the 'X' is the mean.

Evan

On Thu, May 2, 2019 at 8:44 AM Evan Sawyer - NOAA Federal <[evan.sawyer@noaa.gov](mailto:evan.sawyer@noaa.gov)> wrote:  
Hi Cathy and Howard,

Attached is a pdf with two box plots showing the temperature dependent mortality by tier. The first figure is just the PA and both models, the second has the PA and COS, and the third figure is just the PA again but I included the data labels.

Let me know if this isn't what you want need or if I need to change it in any way?

Thanks,  
Evan

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