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**From:** Eric Danner - NOAA Federal <eric.danner@noaa.gov>  
**Sent:** Thursday, March 28, 2019 3:35 PM  
**To:** Eva Dusek Jennings  
**Cc:** Miles Daniels - NOAA Affiliate; Noble Hendrix  
**Subject:** Re: RocOn WRLCM Model Runs with Newman Eqs ROC\_AR\_DPP

Thanks Eva. Lets hold off on a phone call until we have had a chance to look at these data.

Eric

On Thu, Mar 28, 2019 at 3:28 PM Eva Dusek Jennings <[itseva@gmail.com](mailto:itseva@gmail.com)> wrote:  
Hi All,

Here are the physical data for all of the drivers that we use in the model. Column 1 is March of BY. Hope this is helpful.

-Eva

On Thu, Mar 28, 2019 at 3:11 PM Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:  
Given that Noble is leaving this weekend and Miles and Sara have tomorrow off, can we have a call at 3:30 to get to the bottom of this?

Also, Noble if you can send the flow data you are using that will help.

Eric

On Thu, Mar 28, 2019 at 3:01 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Hi Noble,

I just asked Sara and she said D409 should be included.

-Miles

On Thu, Mar 28, 2019 at 2:47 PM Noble Hendrix <[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)> wrote:  
Hi Miles and Eric,

Looping Eva in on the discussion since she has been working with preparing the physical data for inclusion into the model too. So, I'm wondering if we can get Sara to confirm that we have node 409 being incorporated into the Sqlite database that we used to develop our export values?

We will check on our side to see if we are somehow transposing months or years that would make things fail to line up.

Thanks,  
Noble

On Thu, Mar 28, 2019 at 2:36 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:

Data now attached.

-Miles

On Thu, Mar 28, 2019 at 2:33 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Hi Nobel,

I did a check with node D409 and it is the same as D419+D418.

Attached is a plot using D409 by water year type like the ones Noble shared and the data used to make plot if helpful.

I'm still not able to have our figures line up.

-Miles

On Thu, Mar 28, 2019 at 1:02 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Hi Noble,

Thanks for sending those data. Turns out it was an error on my part as when I merged the Calsim and HEC-5Q data I forgot to account for them having different starting dates.

Would you be able to send along the data for the other plots as well?

Thanks,  
Miles

On Thu, Mar 28, 2019 at 11:13 AM Noble Hendrix <[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)> wrote:  
Hi Eric and Miles,

Data attached for temps at Keswick under each alternative along with the Water Year file. Let me know if you would like the data for the other physical data plots, and I can pull those out.

Cheers,  
Noble

On Thu, Mar 28, 2019 at 9:56 AM Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:  
Noble - we came up with some different results in our plots for the physical drivers. Can you send Miles the CSV file you used so we can cross-check?

On Thu, Mar 28, 2019 at 9:31 AM Noble Hendrix <[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)> wrote:

Hi Eric,

I just finished up the next round of runs with the Newman equations for the smolt survivals this morning, and they are attached. Short story is that the model reflects the additional exports under the PA relative to the COS. There is an average decrease in abundance and a consistently lower (albeit

small difference on average) in CRR. I am available this morning if we would like to discuss the outputs.

Best,  
Noble

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QEDA Consulting, LLC  
[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)  
206.300.5595

*Affiliate Faculty University of Washington*

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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/>

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QEDA Consulting, LLC  
[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)  
206.300.5595

*Affiliate Faculty University of Washington*

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Miles Daniels, Ph.D.  
Assistant Project Scientist  
University of California, Santa Cruz  
Phone: 831-420-3946

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Miles Daniels, Ph.D.  
Assistant Project Scientist  
University of California, Santa Cruz  
Phone: 831-420-3946

--

Miles Daniels, Ph.D.  
Assistant Project Scientist  
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QEDA Consulting, LLC  
[noblehendrix@gmail.com](mailto:noblehendrix@gmail.com)  
206.300.5595

*Affiliate Faculty University of Washington*

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Miles Daniels, Ph.D.  
Assistant Project Scientist  
University of California, Santa Cruz  
Phone: 831-420-3946

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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/>

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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/>