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**From:** Evan Sawyer - NOAA Federal <evan.sawyer@noaa.gov>  
**Sent:** Friday, December 7, 2018 3:15 PM  
**To:** Sarah Gallagher - NOAA Federal  
**Cc:** Garwin Yip - NOAA Federal; Barbara Byrne - NOAA Federal  
**Subject:** Re: Temperature modeling meeting with science center

I don't know if I have specific questions but here are a few things that I've been thinking about:

- I'd like to hear their perspective on the "Anderson model." Specifically about lifestage-specific DO requirements and if they had any critiques of the research supporting this?
- I'd also ask them how well (or not) total storage correlates to cold water pool. Also what are the confounding factors that would cause a deviation from the mean?

These are more general questions so not absolutely necessary for a modeling discussion.

Evan

On Fri, Dec 7, 2018 at 2:47 PM Sarah Gallagher - NOAA Federal <[sarah.gallagher@noaa.gov](mailto:sarah.gallagher@noaa.gov)> wrote:  
Garwin,

See attached for changes.

To answer your question about my reference to CV temp models: your're right CV temp is the website that houses their three models. I changed to your wording. Accepted other changed and reworded number 4.

Anything to add Evan?

**Sarah Gallagher | Fish Biologist**  
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On Fri, Dec 7, 2018 at 1:26 PM Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:  
See attached.

-Garwin-

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On Fri, Dec 7, 2018 at 12:25 PM Sarah Gallagher - NOAA Federal <[sarah.gallagher@noaa.gov](mailto:sarah.gallagher@noaa.gov)> wrote:  
**Garwin,**

Miles said he and Eric would be happy to have a call/meeting to update us on temperature modeling. He said the time they need for the meeting would be dependent on questions/discussion points we have, and he asked that we send him some so they can prepare.

I could use some help from you in development of questions, particularly from what Maria's expectations are, and specific questions we want answered.

**Barb and Evan,** we mentioned this call with the science center at our Shasta meeting last week, and I thought you may also be interested in joining. I would appreciate your input on discussions, or questions that you may want answered too.

Overall, I think we want to know this information for moving forward on the ROC.

Here are a few topics that I came up with.

1. Overview of the models they are developing (CVtemp models) general purpose, current status, and next steps.
2. Their support or perspectives on Dea's Model
3. Integration of Dea's model and their models
4. What would we need from them for the ROC?

*(FYI-Eric gave an update today on the Salmon Recovery call about the watershed model component of CVTemp and Miles sent me a summary of benefits and limitations of Dea's model that I can share-overall says waiting for final to see the details-should be out in next month or two).*

If a call is easier to share let me know, or just reply to all with suggestions and I can put it together.

**Sarah Gallagher | Fish Biologist**

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