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Sent: Wednesday, December 7, 2016 12:58 PM
To: Garwin Yip; Brycen Swart - NOAA Federal
Cc: Eric Danner - NOAA Federal
Subject: Relationship between Shasta total/cold pool storage and CCR
Attachments: Shasta_Storage_ColdPool_CCR_Relationship.pdf; SHA_Storage_ColdPool_CCR_Data.xls

Hi Garwin and Brycen,

Attached are two plots showing the relationship between total storage, cold pool storage, and CCR temperatures. Each plot shows the estimates from the USBR figure (shaded regions) and estimates we produced (lines). The difference between the two plots is that one calculates a CCR average temperature from May to October from the daily means and the other uses daily maximums as it was not clear what USBR had done to produce their estimates. In both cases, I was not able to get a direct match with the USBR estimates. Especially when using the daily maximum method, there were no time periods from May to October where average temperatures were less than 53 F. Some more details are in the document, but I think we need to better understand the approach used to make the USBR plot before a real comparison can be made. Also in the attached excel file are estimates I used to produce the plots if helpful.

Please let me know if there are any questions,
Miles

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