



Wyandotte Creek Subbasin Advisory (WAC) Committee Correspondence

From: Buck, Christina <CBuck@buttecounty.net>
Sent: Tuesday, January 26, 2021 12:16 PM
To: Peterson, Kelly <KPeterson@buttecounty.net>
Subject: RE: S. Feather Canal leakage in the model

Hi Kelly,

I looked into this a bit. The model does not directly represent any canal infrastructure, with the exception of the Cherokee Canal. The map below shows the hydrology of creeks and streams that are directly represented.

Surface water diversions throughout the model come off of one of these reaches OR they are specified as coming from "outside the model." They are delivered to the subregion overall (see map) to meet water demands estimated or specified there.

In the Wyandotte Creek subbasin area, there are both agricultural and urban surface water deliveries specified but they all come from outside the model. So the direct answer to the question is that the South Feather canal is not represented and therefore leakage from the canal is also not included in the model, but water from that source does serve ag and urban demands delivered to the subregion.

Let me know if there is further clarification needed.

Thanks,
Christina

From: Peterson, Kelly <KPeterson@buttecounty.net>
Sent: Friday, January 15, 2021 11:22 AM
To: Buck, Christina <CBuck@buttecounty.net>
Subject: S. Feather Canal leakage in the model

Hi Christina,

Could you help address a question brought up by George Barber at the Dec. WAC mtg. before their 2/4/21 mtg.? I finally found the portion of the meeting where he asked it. He asked if our model accounts for leakage of the S. Feather Canal which delivers ag water. There were previous efforts to line it but he wanted to know if the leakage was quantified in the model.

Thanks,

Kelly Peterson, Water Resources Scientist
Butte County Department of Water and Resource Conservation
308 Nelson Avenue
Oroville, CA 95965



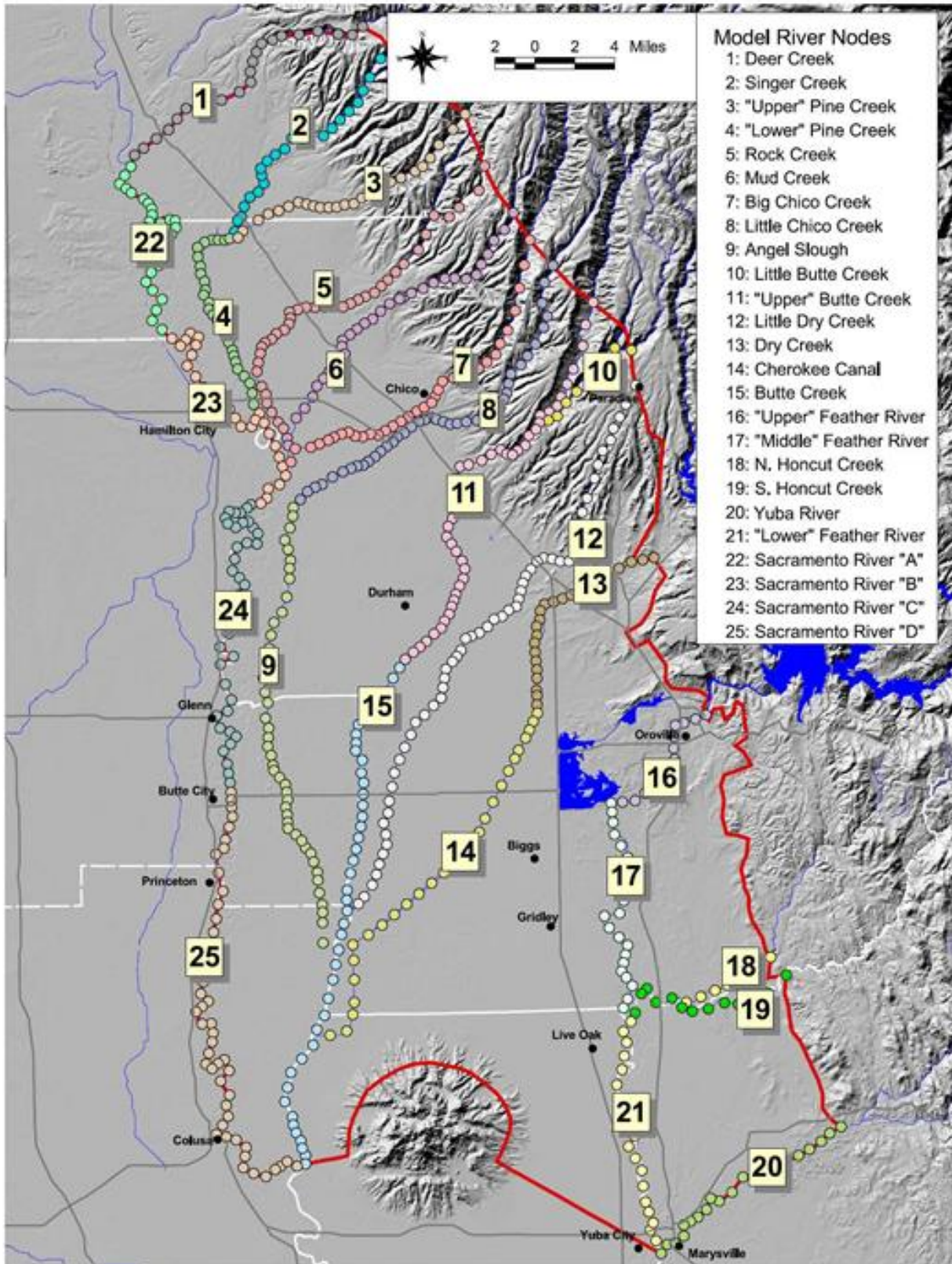
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