



## Wyandotte Creek Subbasin Advisory (WAC) Committee Correspondence

**From:** "Buck, Christina" <[CBuck@buttecounty.net](mailto:CBuck@buttecounty.net)>  
**Subject: RE: Wyandotte Creek Subbasin Advisory Committee Agenda for December 16, 2020**  
**Date:** December 21, 2020 at 11:13:05 AM PST  
**To:** 'Kathy Brazil' <[fewzil@att.net](mailto:fewzil@att.net)>  
**Cc:** "Peterson, Kelly" <[KPeterson@buttecounty.net](mailto:KPeterson@buttecounty.net)>, "Gosselin, Paul" <[PGosselin@buttecounty.net](mailto:PGosselin@buttecounty.net)>

Good morning Kathy,

The Wyandotte Creek advisory committee is advisory to the Wyandotte Creek Groundwater Sustainability Agency Board. A number of areas you raise, as they relate to groundwater, is within their authority and may be addressed through the Groundwater Sustainability Plan (GSP) that is currently being put together for the subbasin, which includes the Ruddy Creek waterway. I've answered a number of your questions below.

For background information on the Sustainable Groundwater Management Act and activities related to it in Butte County, please visit: <https://www.buttecounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act>

I'll also pass your email along to our consultant team so they are aware of your interest in Ruddy Creek and the considerations you've raised.

Thank you for your interest and questions!

Best,  
Christina

### Christina R. Buck, Ph.D.

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**From:** Kathy Brazil <[fewzil@att.net](mailto:fewzil@att.net)>  
**Sent:** Wednesday, December 16, 2020 10:35 AM

# Wyandotte Creek

GROUNDWATER SUSTAINABILITY  
AGENCY

To: BCWater <[BCWaterFrontDeskHG@buttecounty.net](mailto:BCWaterFrontDeskHG@buttecounty.net)>

Subject: Re: Wyandotte Creek Subbasin Advisory Committee Agenda for December 16, 2020

**ATTENTION:** This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Thank you for inviting me to the WC Zoom meeting,

I am not an agency I am a member of the public.

I wonder how the seasonal creek, that flows through My area relates to groundwater issues? Recharge? Water Quality? Watershed and Environmental considerations? Flooding? Impact on Wildlife? Surface and seasonal flows? Depth of hardpan soil? Zoning changes?

Many of the issues you're asking about are relevant to different parts of the Groundwater Sustainability Plan (GSP) that is being put together for the Wyandotte Creek Subbasin. Depending on the nature of Ruddy Creek and groundwater conditions (how shallow are groundwater levels?) in the area, the following may be relevant: recharge, watershed and environmental considerations (specifically identifying "Groundwater Dependent Ecosystems" in the GSP), potentially flooding, and surface and seasonal flows. Depth of the hardpan soil may help us better understand whether or not Ruddy Creek is "connected" to groundwater in this area.

Here is a map of the seasonal creek that flows in Thermanito, Ruddy Creek. How will planning for developments address the groundwater issues of this area?

Will proposed and future developments need to provide proof of sustainable water supply per household? How does this committee address water run off pollution into the groundwater?

The GSP must define what conditions in the subbasin constitute undesirable conditions with regards to groundwater levels, water quality, groundwater storage, land subsidence (sinking of the ground surface), and depletion of surface waters. Avoiding these undesirable conditions is what determines whether the subbasin is being managed sustainably. Future development will have to be consistent with the GSP and not compromise the subbasin's ability to maintain sustainable conditions.

As far as water quality, this plan will document water quality issues as it relates to groundwater, and any activity or project in the plan cannot make water quality issues worse, but there are many other programs that measure and regulate water quality, so this program and the GSP will largely rely on those.

Will the Butte County and City of Oroville Planning Commission departments be required to address sustainable groundwater in approving future and current developments?

Yes, the Sustainable Groundwater Management Act requires land use agencies as you've identified through planning commissions of the County and City to coordinate with the Groundwater Sustainability Agency and the GSP.

Please share any info with me.

# Wyandotte Creek

GROUNDWATER SUSTAINABILITY  
AGENCY

Do you know of any resources that would have a more detailed map of the Ruddy Creek waterway, it's history and status? I believe Ruddy Creek is a part of the Wyandotte Groundwater Basin. The flooding picture is Ruddy Creek next to Biggs Ave from 2005.

You're correct Ruddy Creek is completely within the Wyandotte Creek groundwater subbasin. I'm not familiar with the Ruddy Creek waterway and am not aware of other history or reports about it. However, I'll share your email with our consultant team which have members who have done previous work in the area and perhaps they'll know more. Flood control and flooding issues are handled by Butte County Department of Public Works. They may also be more familiar with the flooding history and drainage in the area.

I've attached a more detailed map in case it helps.

Do you know of a different committee/group or agency to address my questions if it is not what this committee is able to address?

Kathy