

Hannah Elliott

From: n3ranchlife@gmail.com
Sent: Wednesday, July 27, 2022 10:17 AM
To: Plan; Will VanVactor
Cc: Brent Bybee
Subject: Dear Planning Department , and Will Van Vactor , Please check out page 7 of this report by the Oregon Water Resources Department

CROOK COUNTY
JUL 27 2022
PLANNING DEPT



Dear Planning Department , and Will Van Vactor , Please check out page 7 of this report by the Oregon Water Resources Department showing the Test wells they have been using for decades to track the Aquifers in the Deschutes and Crooked River basins .

It looks like the area where Avion's Nixon Well is in close proximity to the Test well in Powell Butte , which is in Extreme Decline , and this area is all the way towards Redmond's Test Wells between Bend and Redmond running north and south , so it would appear that the east side of the Deschutes Aquifer is in Extreme Decline as is the Crooked River Aquifer .

When you look at the page 7 Test Well map , Even trying to bring water from Bend out to Service Crossing Trails Resort will be a Gamble with the Current Demand on the area .

On page 3 of this Report it talks about where "groundwater levels are declining," the Department encourages voluntary joint action, but is directed to act under its other authorities in the event that "voluntary joint action is not taken or is ineffective"7

. As groundwater levels in the central part of the basin approach 50 ft of total decline from the highest-know water levels (50 feet being one of the thresholds in the current statewide definition of "excessively declined" in OAR 690-008), the Department may enforce stricter control on future groundwater allocation. This may take the form of denying new groundwater appropriation even where State Scenic Waterway mitigation credits are available, restrictively classifying new groundwater uses, or establishing a Critical Groundwater Area

So its says that Given the current Climate Change affects that are Impacting our Aquifers AND that as we continue to Pipe Canals in this same areas of Extreme Decline , either we self mitigate this decline by restricting Growth and increased demand on the areas water resources or the State will step in .

https://www.opb.org/pdf/OWRDMemo_DeschutesGroundwaterLevelDeclines_2021-09-01_FINAL_1657754829743.pdf

And when you factor in what Berkeley Lab has Modeled for Future Snow pack in the Cascades , THIS MUST BE Included in all future Growth decisions until we see a Shift in Annual Rain Fall Levels which the Oregon Water Resources Department says has been in decline since the latter 1990's .

Cascades heading toward a future with little to no snowpack, new analysis suggests , <https://www.opb.org/article/2021/11/03/snowpack-cascades-climate-change/>

Thank You for your time reviewing this and Please Post as a Exhibit so the Planning Commission can review , it vital to our future !

Tony Newbill
N3 Cattle Company

7411 SW Copley Rd
Powell Butte, Or 97753
928-231-2478

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