

Submitter: Tony Newbill
On Behalf Of: SB 58 Cloud Seeding
Committee: Senate Committee On Energy and Environment
Measure: SB522

Dear Senate Committee , please consider this Press Release by the Oregon Governor Kotek regarding the Climate Change Drought being the Worst on Record and that this be reason to pass into law SB 58 Cloud Seeding State wide program to help try and mitigate the crisis PLEASE !!!!

<https://www.oregon.gov/newsroom/Pages/NewsDetail.aspx?newsid=87693>

<https://olis.oregonlegislature.gov/liz/2023R1/Downloads/MeasureDocument/SB0058/Introduced> , so we can try

I live here in Powell Butte trying to raise a few Mother Cows and with the Fighting over a shrinking Water supply in the Water sheds of the Cascade Mountain range between water users , Habitat and Endangered Species , makes the reason to begin implementing a Cloud Seeding Program more that Critical for the Vitality of the State !!!!

Idaho Power Administration has Factual Data that prices to operate and create a Per Acre Foot of additional water from increased snow packs at \$3.48 per acre foot .

My family has been here in Central Oregon since before 1874 , dryland farming and ranching , when they buried my 3 Great Grandpa in the Grizzly Cemetery . So the History on Rainfall and Snow Fall in the Cascades from the 1930's till 1990's according to ASCS annual reporting was 12-14 inch annual rainfall and 150-180 inch annual snow base in the Areas of the Cascades above the Crescent -Crane Prairie basins . Since the mid 1990's its been Half that !!!!!!!!

This Lawsuit the Center for Biological Diversity has unleashed on us here but they now want 600 CFS winter flows released from Wickiup Reservoir during the winter . This will all but Keep the Reservoir drained at current Snow Fall Levels !!! Madras is Toast for Irrigation water if this plays out , and our Irrigation water is Deschutes river flows and I believe that if this practice is allowed it will "BLEED" the water shed DRY and by Mid-summer the Deschutes River will be nothing more than a Trickle !!!!!!!!!!!
<https://biologicaldiversity.org/w/news/press-releases/lawsuit-launched-to-protect-oregon-spotted-frogs-in-upper-deschutes-river-2023-01-12/>

Heres another tell tail sign that we are reaching a critical point of the Climate Change Drought in Central Oregon !!!

The Metolius River is the closest major head water to the Cascades where snow pack AND 3 Sisters Glacier water recharge this head water !!! WE LOST the Glaciers

2 years ago !

The Great Outdoors: Slow flows at the Metolius River headwaters

<https://centraloregondaily.com/%E2%96%B6%EF%B8%8F-the-great-outdoors-the-source-of-the-metolius-river/>

Glaciers are what gives our ground water aquifer Recharging in Central Oregon an extended Boost into late summer months before winter can come back to pick up and continue the process .

The trajectory we are on is intensified in why we are seeing Central Oregon ground water aquifers in “ Accelerated Decline “ !!

<https://www.wweek.com/environment/2020/10/19/scientists-held-a-funeral-for-a-glacier-that-melted-in-central-oregon/>

When Kara Golden from Idaho Water resources Council came last week to advise on their cloud seeding , she said that they Do Not contract out cloud seeding programs or technical assistance . <https://idwr.idaho.gov/iwrb/programs/cloud-seeding-program/>

The Desert Research Institute in Nevada does , and I wanted to point out the article in Snowboarder Magazine from 8 years ago shows the Trailer Mounted Ground Cloud Seeding units that I think would be perfect for Oregon Cloud Seeding Programs so the units can be removed easily in the summer months and also easily moveable if the Climatology to be more efficient in Cloud seeding deployments dictate relocating units .

<https://www.snowboarder.com/transworld-snowboarding-archive/snowboarding-features/every-cloud-has-a-silver-iodide-lining/>

This Western States Water Use program might be important to track Aquifer levels in so locations of cloud seeding can be better determined .

<https://www.dri.edu/western-states-water-use-program/>