The current drought in Nevada & the West May 21, 2021

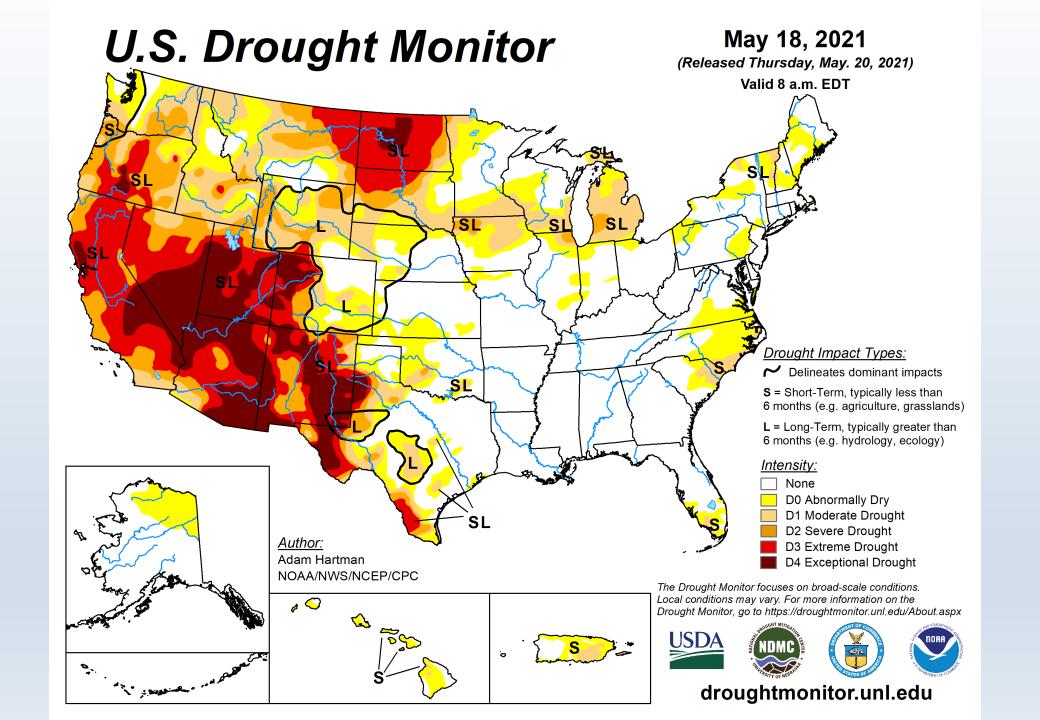
Dr. Steph McAfee

Nevada State Climatologist

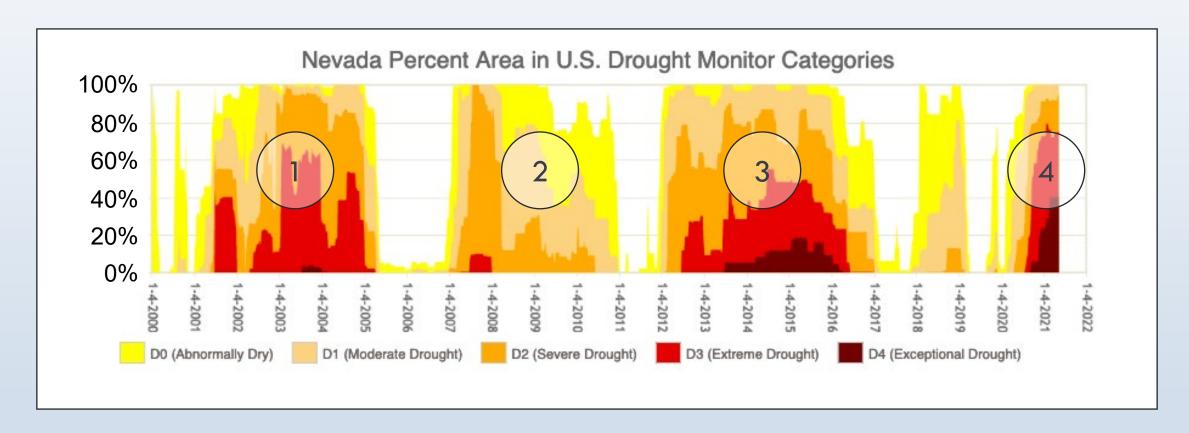
Associate Professor, Geography and Extension

University of Nevada, Reno

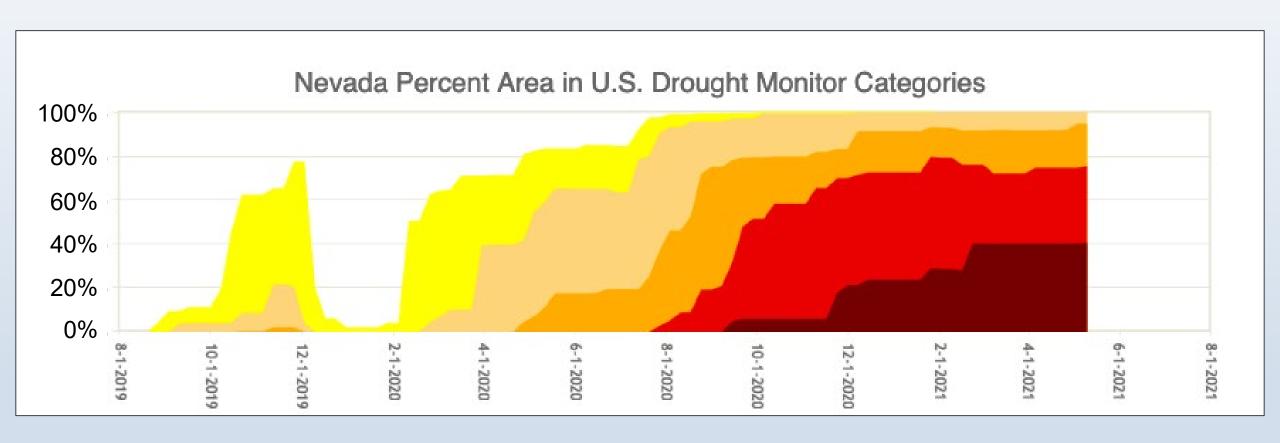
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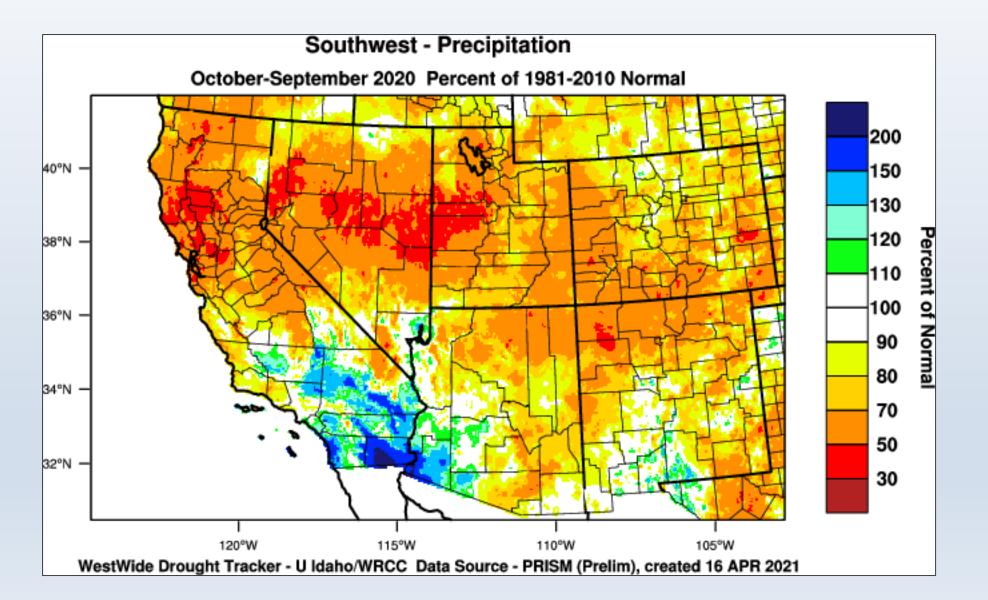
Drought is a frequent occurrence in Nevada.



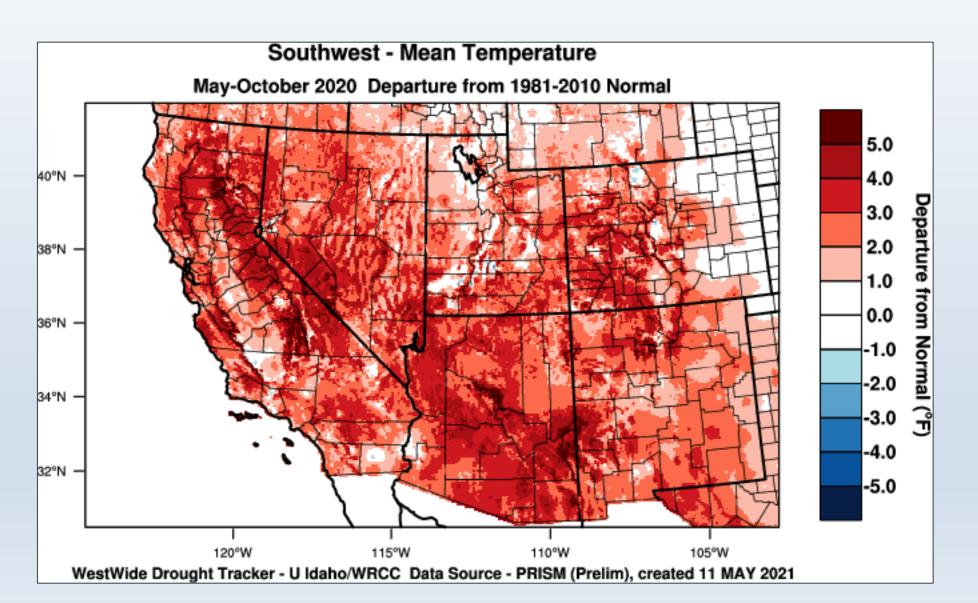
We are in the second year of this drought.



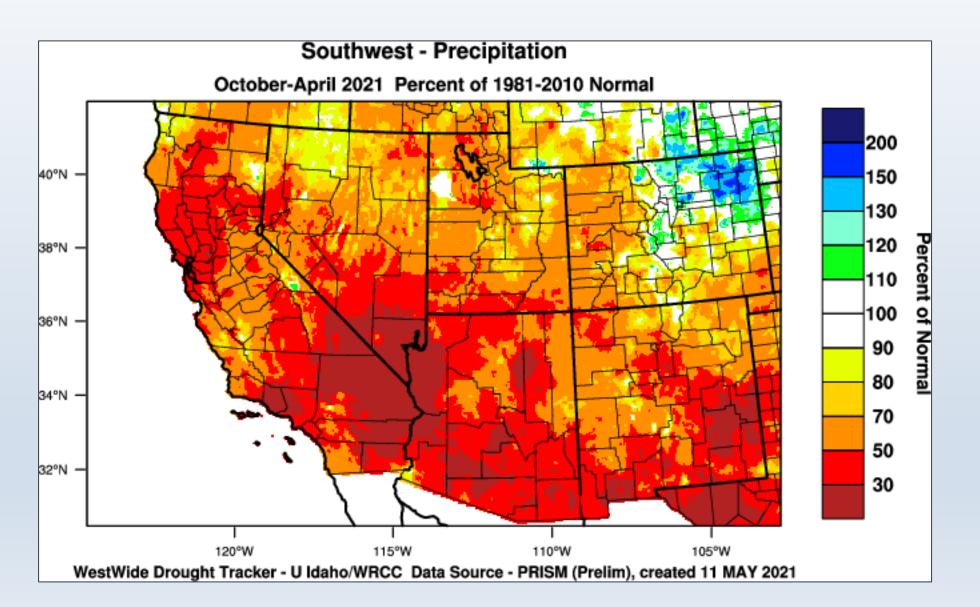
It started with a dry 2020 water year.



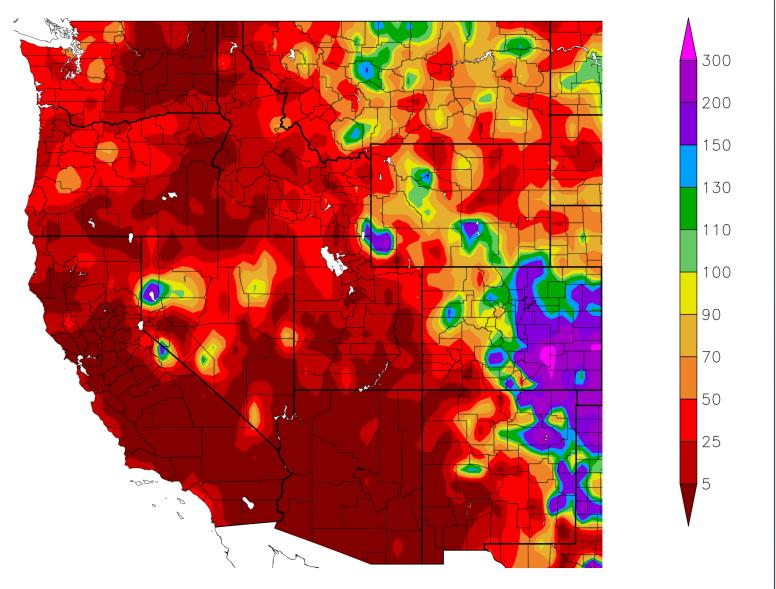
A very warm summer worsened the drought.



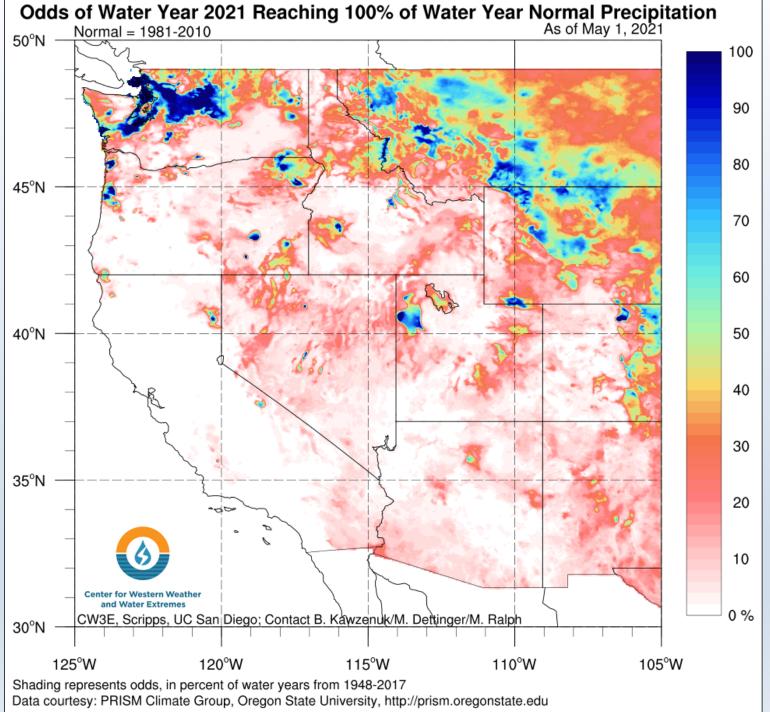
Precipitation this water year has been low.



Percent of Normal Precipitation (%)5/1/2021 - 5/18/2021



We are very unlikely to end this water year with normal precipitation.



Here's the bottom line

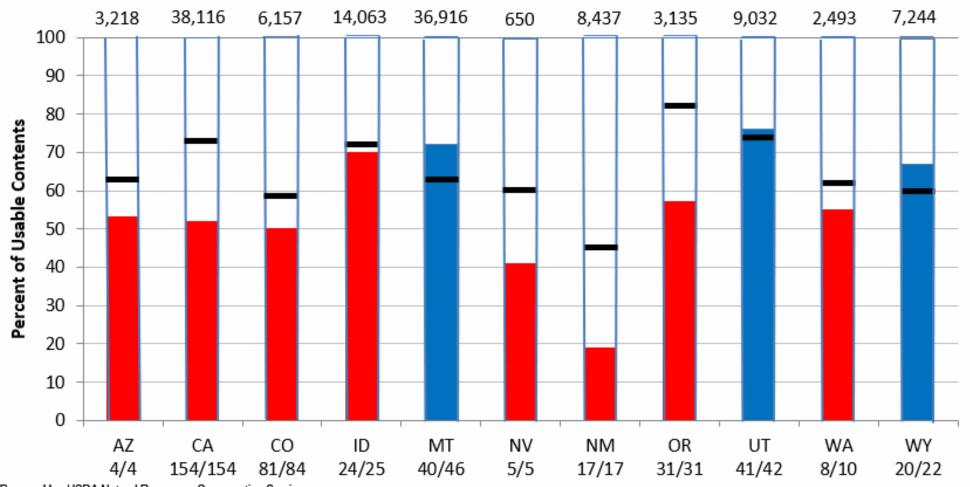
- All of Nevada is experiencing drought.
- Summer precipitation is usually low.
- Drought is widespread across the West.
- We will probably still be in drought at least into the fall.

Extra slides

Reservoir Storage as of May 1, 2021

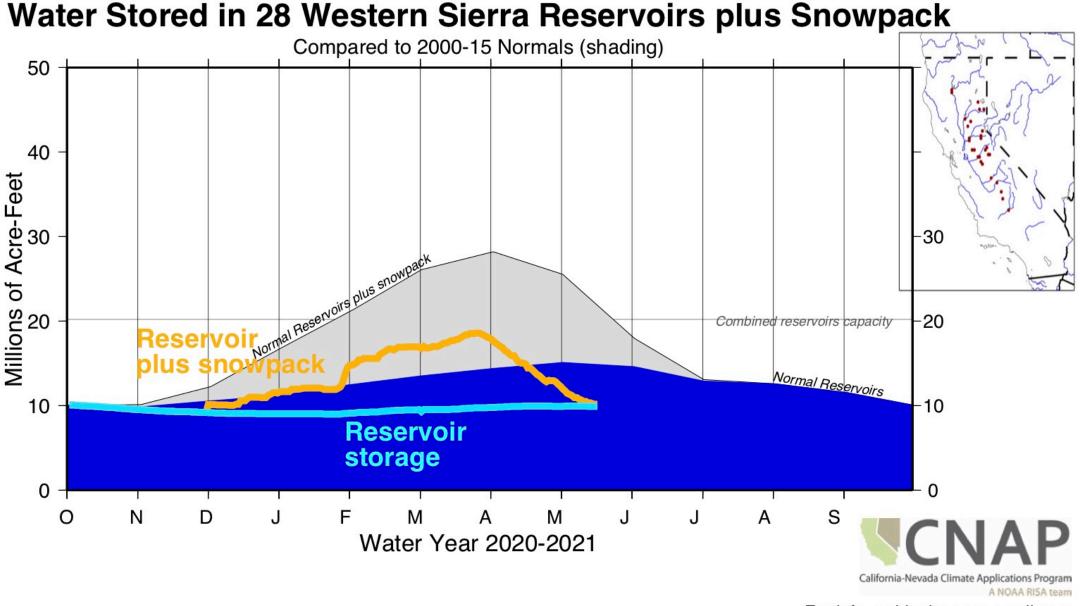
■ Below Average
■ At or Above Average
■ Average

Capacity of Reservoirs Reported (1000 Acre-Feet)



Prepared by: USDA Natural Resources Conservation Service National Water and Climate Center, Portland, OR www.wcc.nrcs.usda.gov

State and Number of Reservoirs Reported



SOURCES: SWE dailies from https://cdec.water.ca.gov/querySWC.html
SWE volume conversion factor based on Margulis et al, JHM 2016, SWE reanalysis
Reservoir storage from https://cdec.water.ca.gov/queryDaily.html
Reservoirs: SHA, KES, ORO, ANT, FRD, DAV, BUL, ENG, FOL, UNV, LON, ICH, NAT, CMN, PAR, DON, BRD, TUL, NML, DNP, HTH, CHV, EXC, MIL, PNF, TRM, SCC, ISB

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