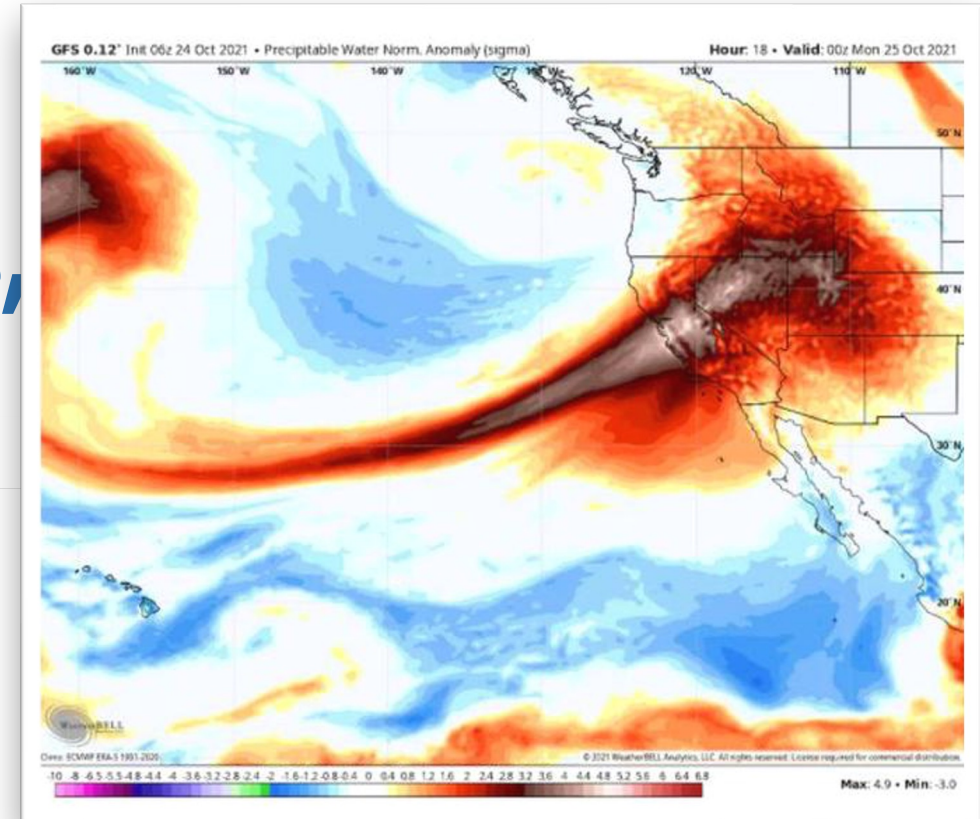


# Drought Assessment for Agriculture, Communities, and the Environment

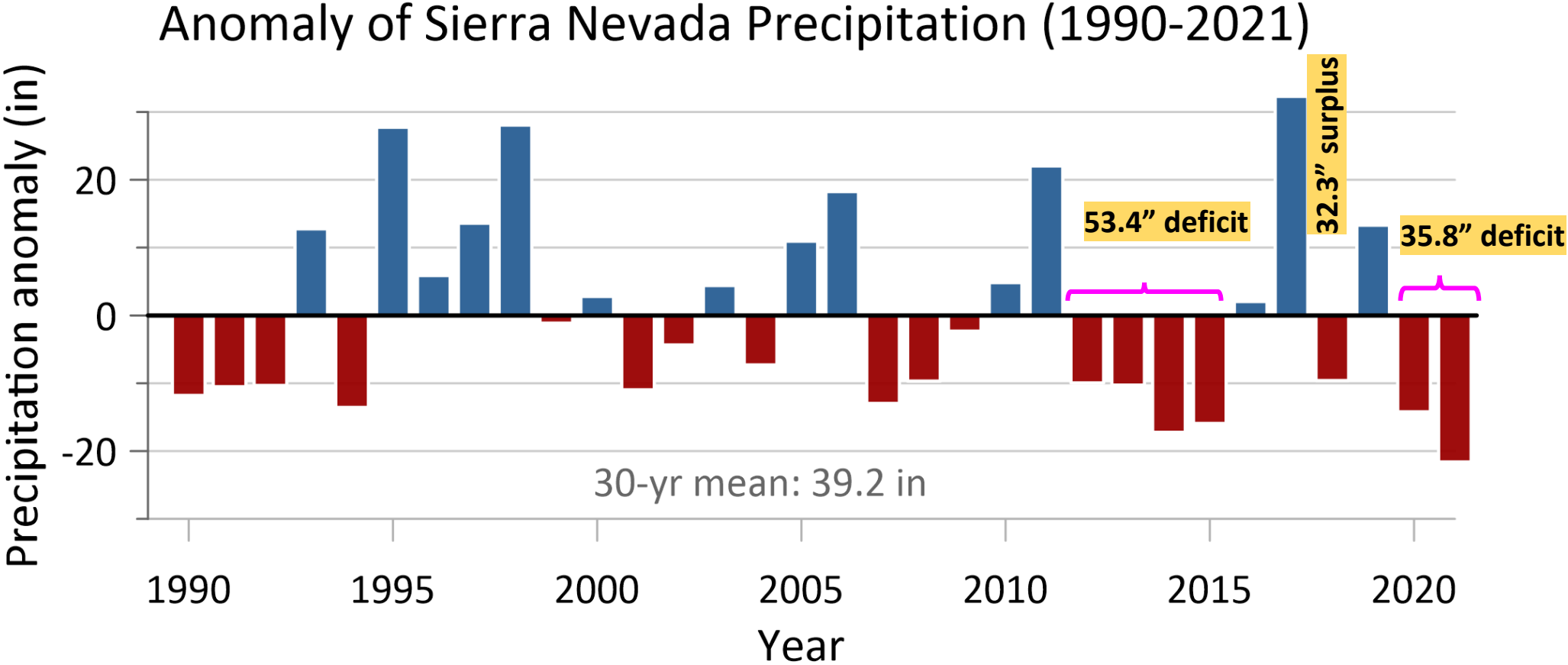
Helen Dahlke

Department of Land, Air and Water Resources

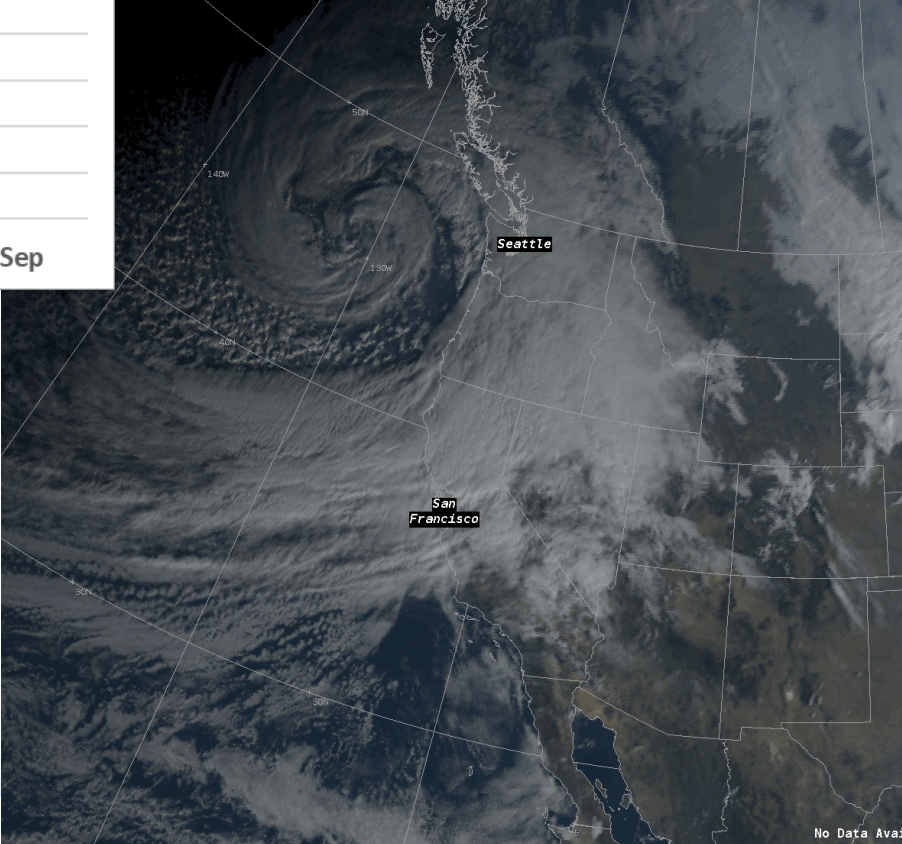
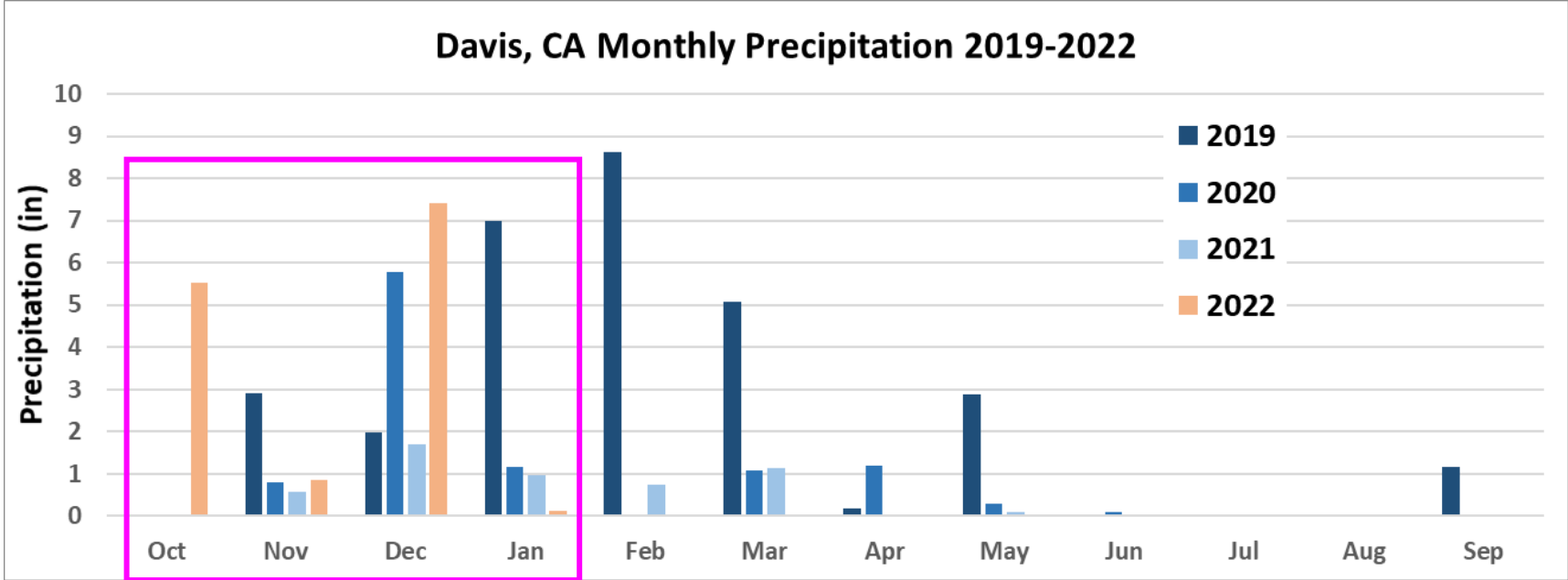
Email: [hdahlke@ucdavis.edu](mailto:hdahlke@ucdavis.edu)



# Addressing groundwater overdraft in California



# Addressing groundwater overdraft in California





# Capture as much water as we can...when we can

## Recharge Basins

limited capacity, best with steady water supply

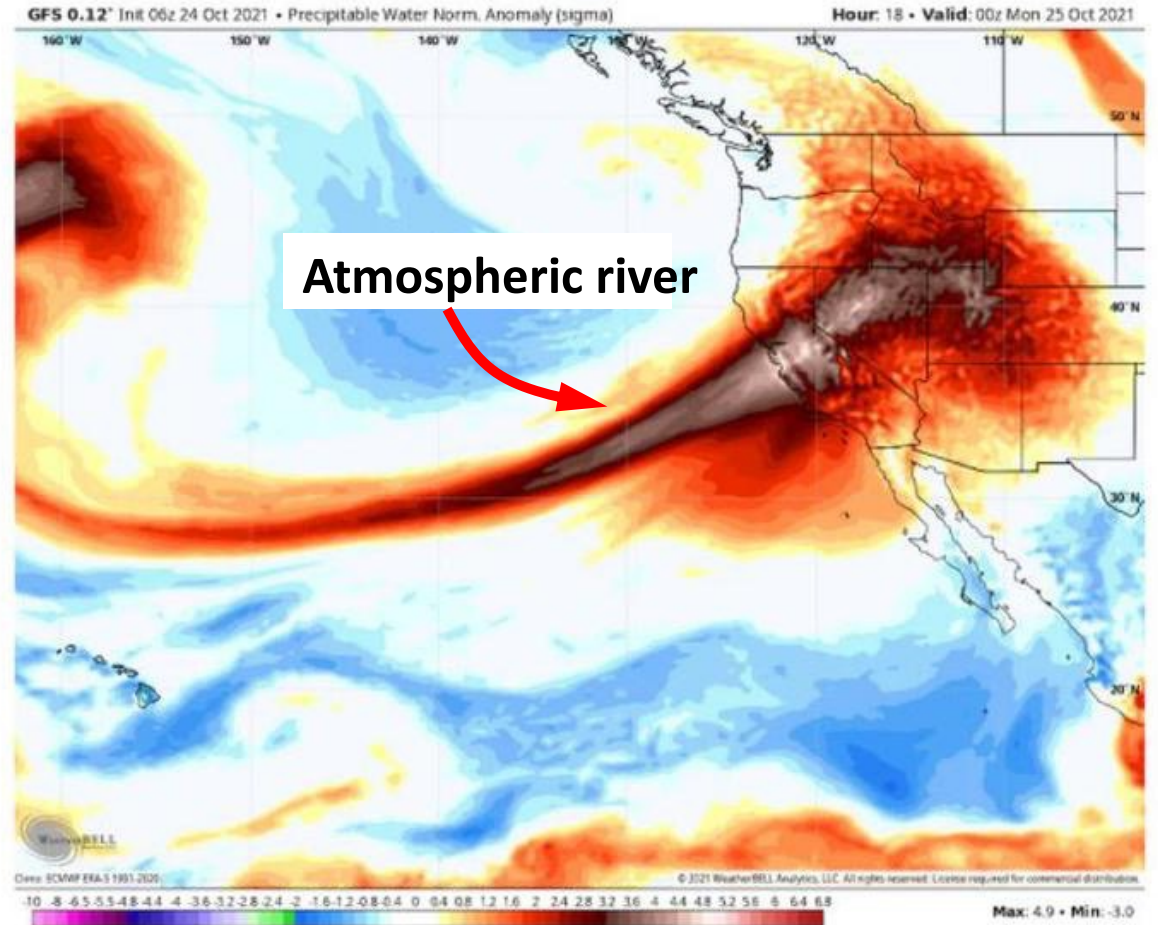


## On-farm recharge

unlimited spreading area, best for biggest storms



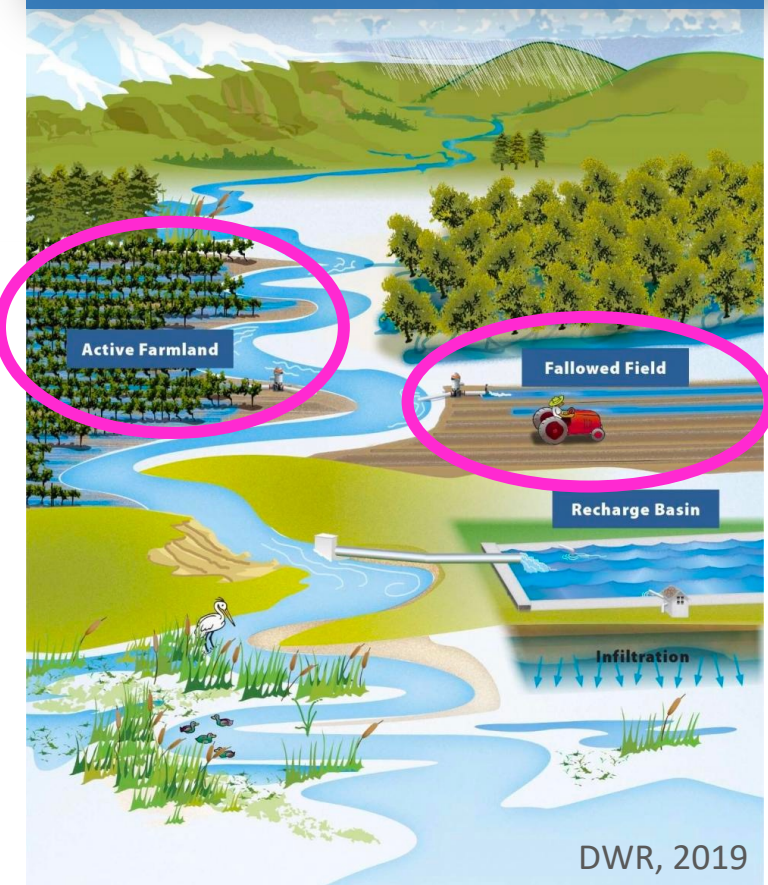
October 24, 2021 – AR 5





# Groundwater recharge using agricultural land

## DWR Flood-MAR program



Cost & incentives



Laws and permits



Ecosystem services



Hydrogeology



Crop suitability



Soil & Location



Water quality



Water availability

