

Agreements for Healthy Rivers and Landscapes – NGO Perspective

Julie Rentner



Rewilding the Heart of California



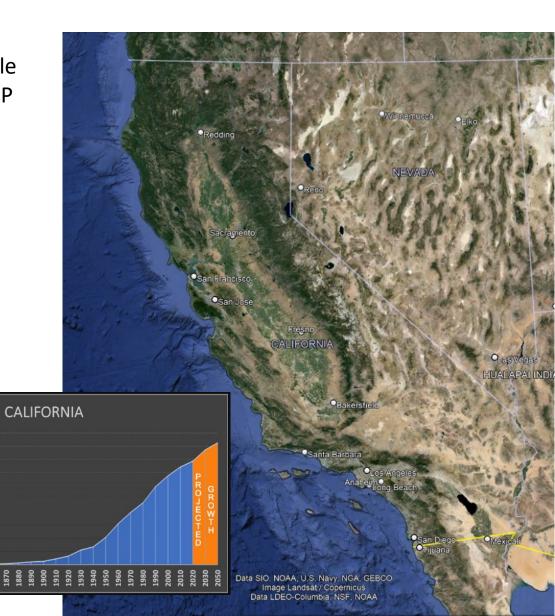
Central Valley Communities



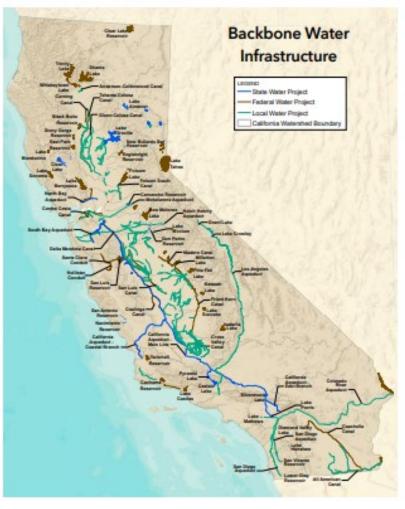
About Us V Media V Contribute

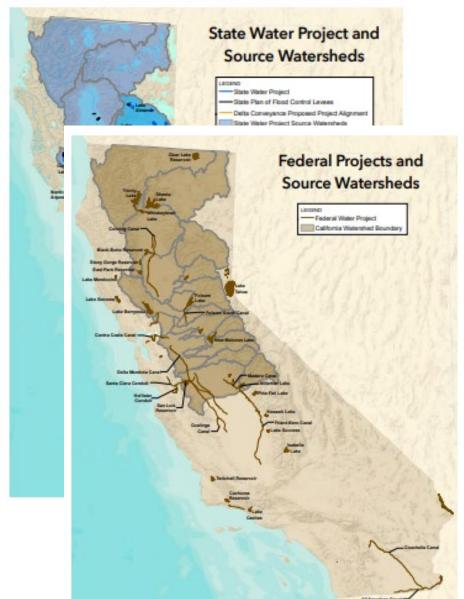


40M people \$3.89T GDP



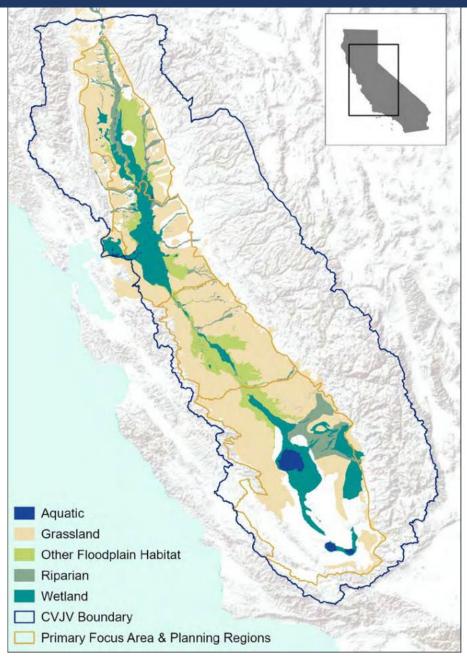
This is one large watershed

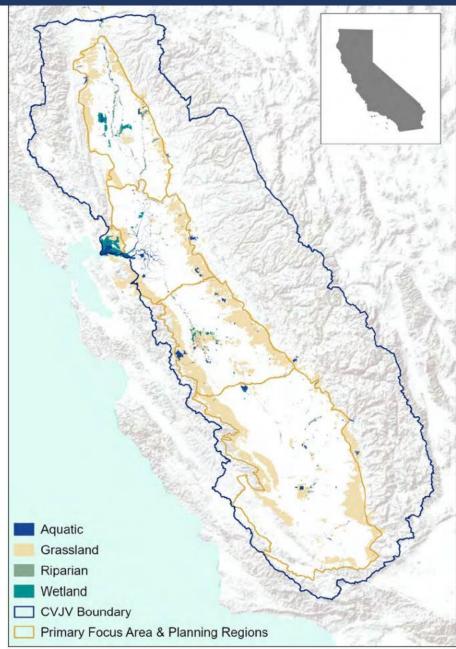






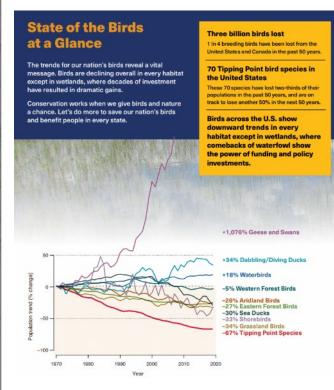
Central Valley Historical Ecology



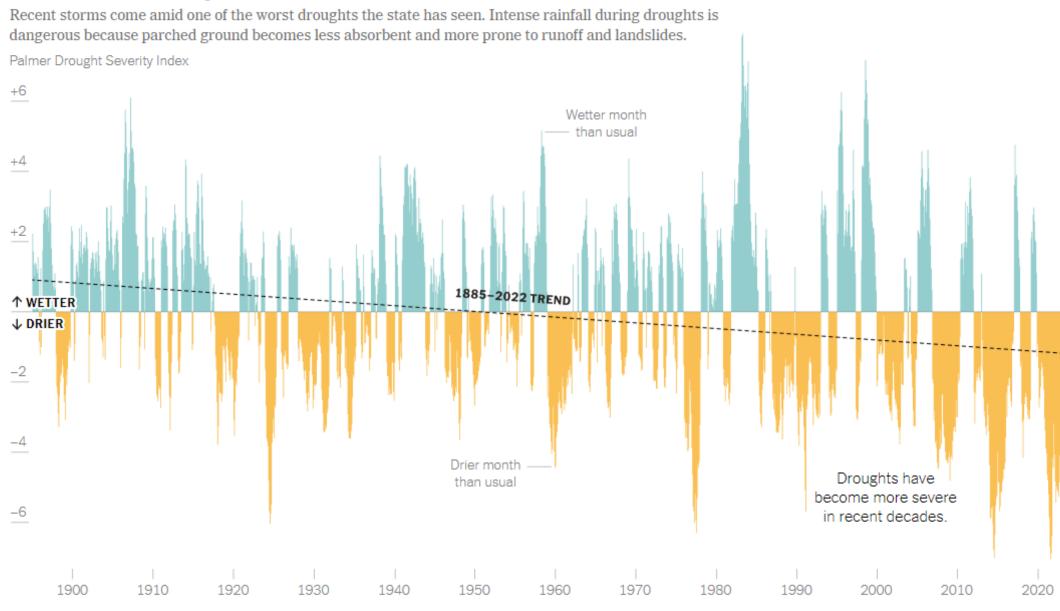


"When California was wild, it was the floweriest part of the continent."

John Muir



California's Water Whiplash



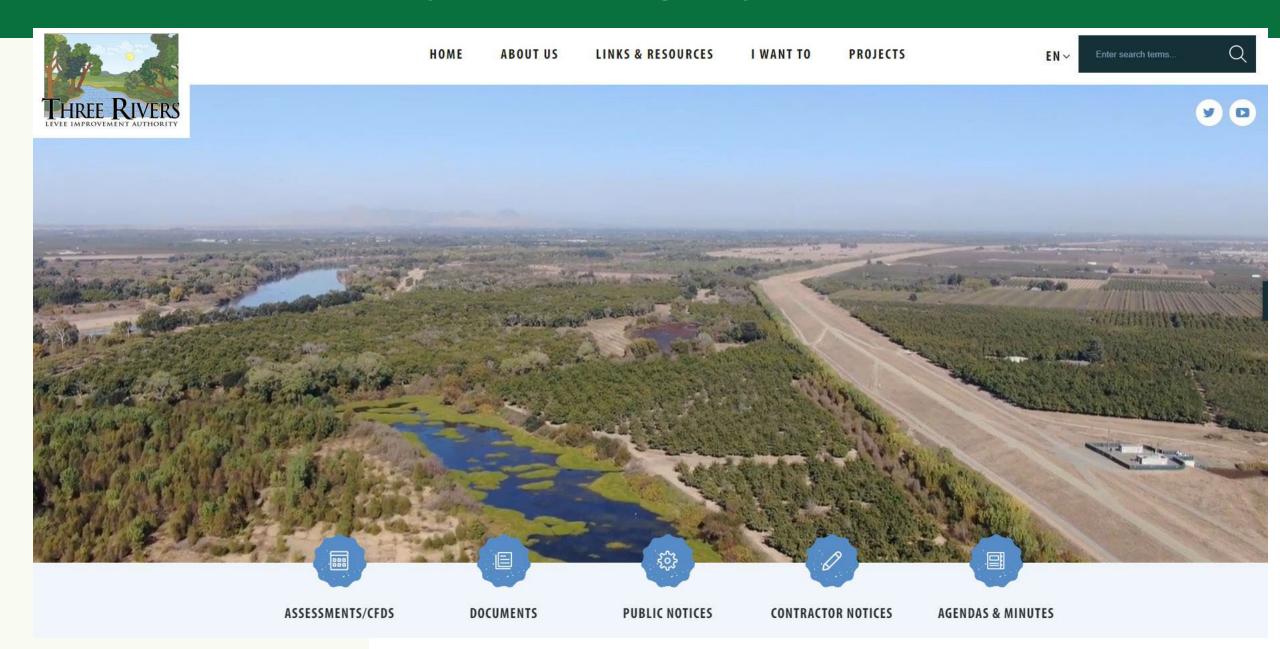
Source: NOAA National Centers for Environmental Information By Mira Rojanasakul

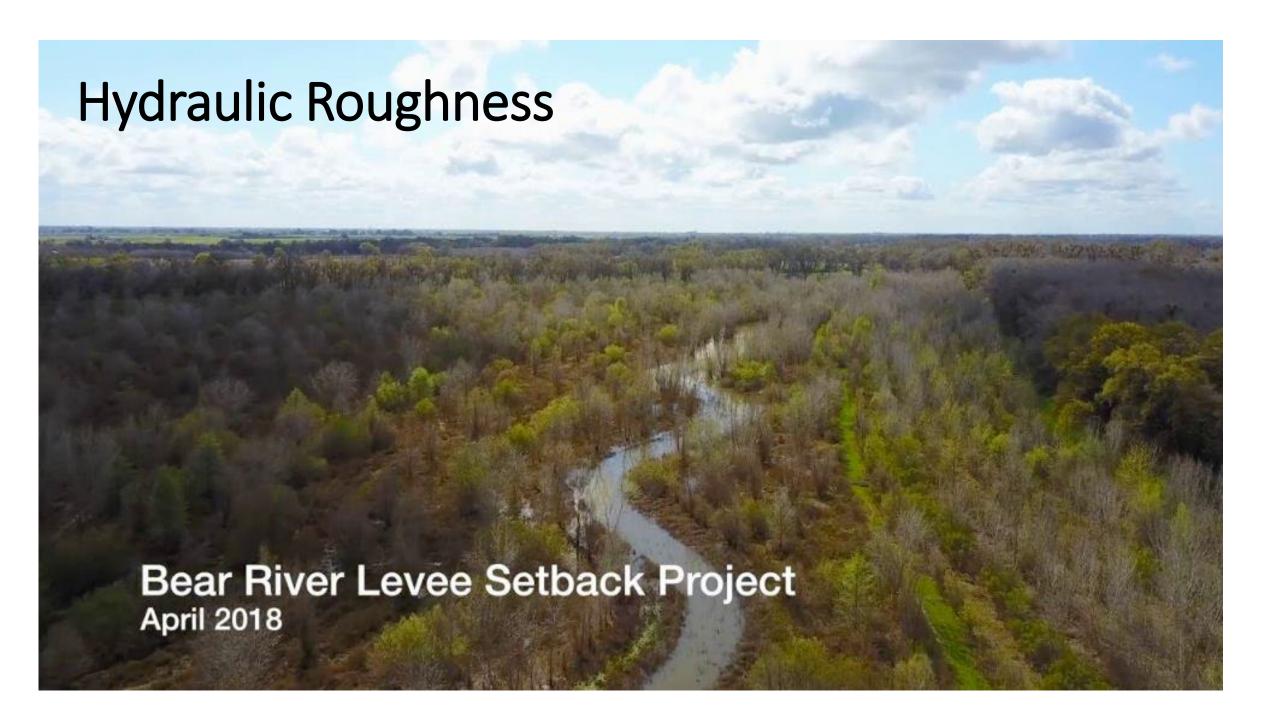






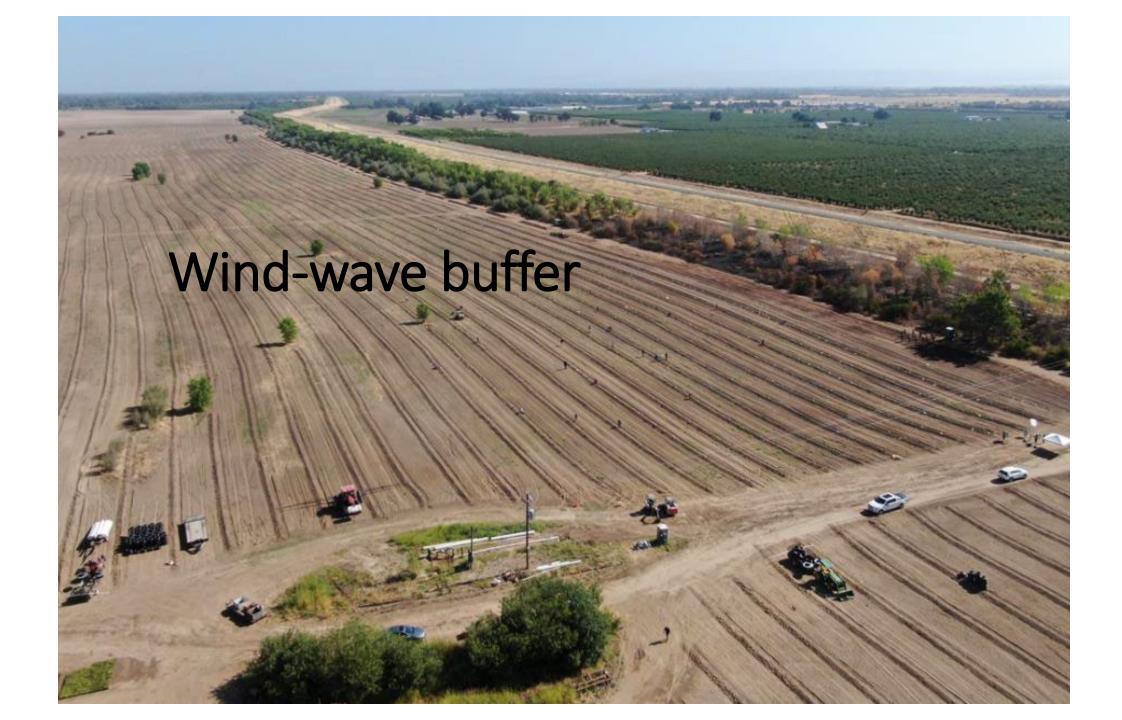
Three River Levee Improvement Agency













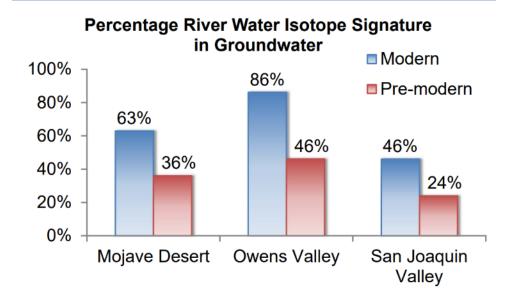






One Big Water Supply Surface water and groundwater are intimately connected. Water in rivers and creeks often percolates down into groundwater aquifers. If the river drops because of drought, the aquifer Snowpack can drop as well. And if farm or town pumps lower the aquifer, the river can go down, too. Spring snowmelt in places such as California is a major water supplier for rivers and aquifers, but less winter snowpack as a result of global warming can reduce this vital source. A paleo channelan old, submerged riverbed of stone and silt-can quickly whisk water underground to distant regions. Overpumping can lower the top of an aguifer so much that it When river levels drop, disconnects from the the top of the aquifer bottom of the riverbed. can also subside.

Importance of River Water Recharge







Can you attribute this quote?

It was among the strongest feelings of grief I have ever encountered. The contrast between the vicious coldness of space and the warm nurturing of Earth below filled me with overwhelming sadness. Every day, we are confronted with the knowledge of further destruction of Earth at our hands: the extinction of animal species, of flora and fauna... things that took five billion years to evolve, and suddenly we will never see them again because of the interference of mankind. It filled me with dread. My trip to space was supposed to be a celebration; instead, it felt like a funeral.

~William Shattner 2021





