



Drought Update

Yolo Unincorporated Area



Initial Response – July 2021

- Proclamation of local emergency
- Contingency funds to match State and Federal programs
- Requests to the State and Federal government to request aid and eliminate eligibility barriers to existing programs

Emergency Drought Funding

FEDERAL FUNDING

- USDA Rural Development (\$41M)
- US EPA Drinking Water program
- Bureau of Reclamation – Water SMART
- FEMA – BRIC & HMP programs

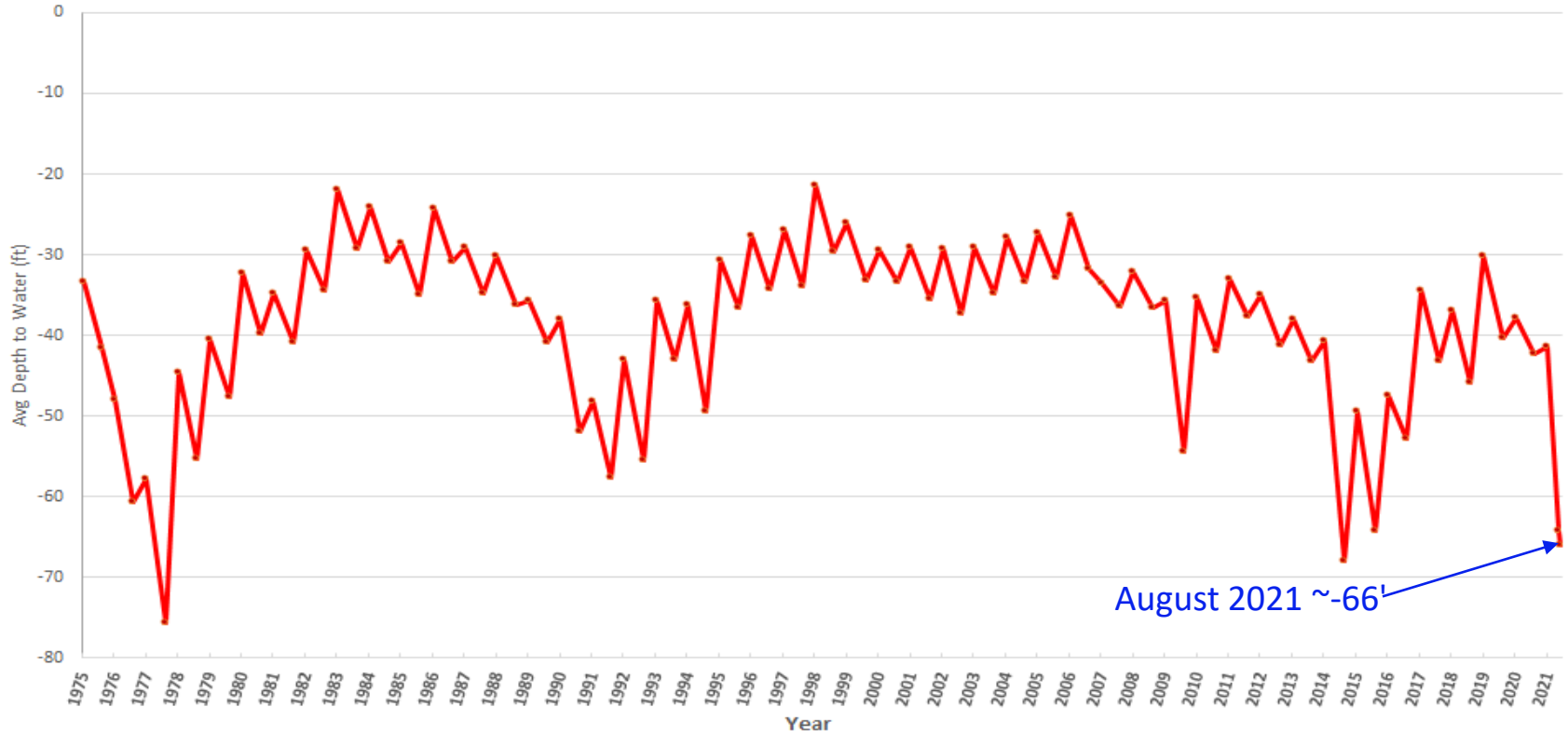
California Come Back Plan Water Infrastructure Funding Package

Program	Funding Amount
Drinking Water & Wastewater Infrastructure	\$1,300,000,000
Overdue Water Bill Payments to Utilities	\$1,000,000,000
Multi-benefit Land Repurposing for Water Users	\$500,000,000
Sustainable Groundwater Management Act Implementation	\$300,000,000
Wildlife Corridor & Fish Passage Projects	\$230,000,000
Water Conveyance Improvements & Damage Repair	\$200,000,000
Habitat Restoration & Multi-Benefit Flood-Risk Reduction Projects	\$200,000,000
Groundwater Cleanup and Water Recycling Projects	\$150,000,000
Data Collection to Forecast, Monitor & Assess Hydrologic Conditions	\$91,000,000
State Water Efficiency & Enhancement Program Grants	\$60,000,000
Fisheries & Wildlife Conservation	\$33,000,000
Emergency & Permanent Solutions	\$27,000,000

Water in Yolo

YFCWCD Average Groundwater

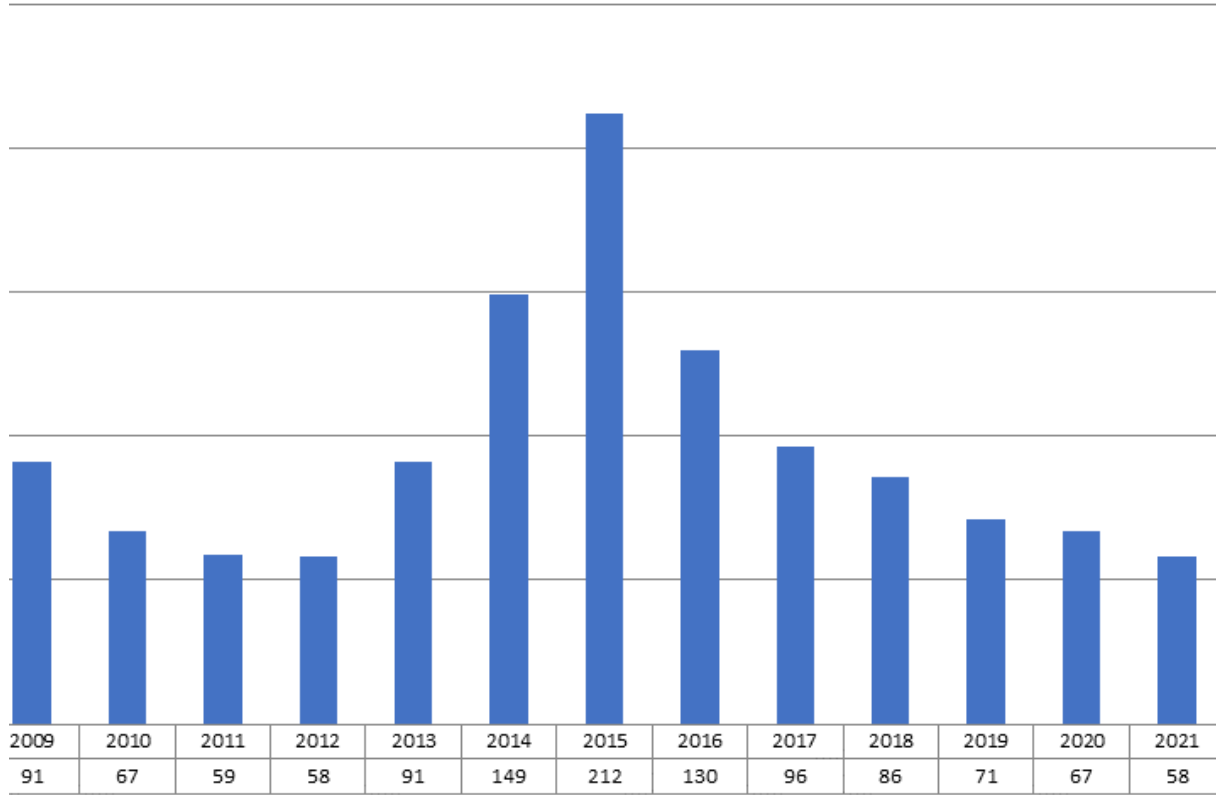
Depth by Season (August 2021 is 117 wells)



Well Driller Canvassing

- Demand slightly up
- Shortages in labor and materials leading to wait lists (3-6 month wait)
- Requested well depths increasing

All New Wells Permitted



Well Permit
Demand

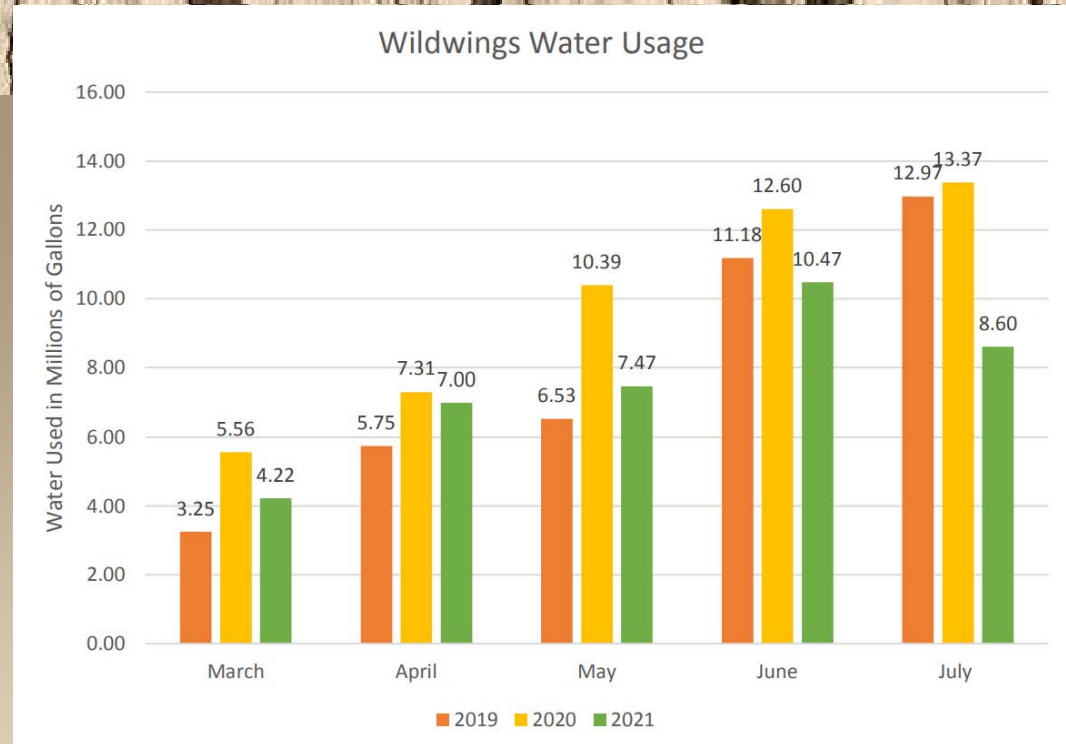


Water Purveyor's Today

- Dunnigan
- Madison
- Cacheville
- Knight's Landing
- Esparto
- Wild Wings
- YCFCWCD

Wild Wings CSA

- Wild Wings conserved 36% compared to July 2020
- The community conserved 44% during the week the Pintail well pump was changed
- New, deeper well needed immediately
- Ongoing water conservation efforts





Proposed Ordinance Adopting Water Conservation Program

- Modeled after the Dept. of Water Resources templates for public agencies that provide water at retail or wholesale to a service area.
- Provides a mechanism for the Board to implement water conservation measures in the County Service Areas with six different levels (similar to the levels adopted by Davis and Woodland and other urban water suppliers) as authorized by Water Code §§ 375 et seq.



Proposed Conservation Ordinance

- **Level 1** – permanent landscape water restrictions, including no watering between 9am and 6pm or within 48-hours after measurable rainfall
- **Level 2** – 20% conservation goal; limits landscape irrigation to 3 assigned days per week
- **Level 3** – 30% conservation goal; landscape irrigation limited to 2 assigned days per week; new expanded landscaping limited to drought tolerant trees/plants only
- **Level 4** – 40% conservation goal; landscape irrigation prohibited except for irrigation of trees and drought tolerant plantings; pools/water tanks cannot be filled with CSA water (ok to use fill with water from licensed water hauler); repair leaks w/in 24 hours
- **Level 5** – 50% conservation goal; no new pool permits
- **Level 6** – 50%+ conservation goal; stop all landscape irrigation



Proposed Conservation Ordinance

- Board adopts Resolution setting drought response level for particular service areas and may establish additional restrictions, e.g., establishing water consumption limits or water budgets.
- Authorizes imposition of penalties for violations.
 - Misdemeanor; public nuisance subject to fines of up to \$1,000 per day, but goal is education and compliance to conserve water supplies.



Proposed Conservation Ordinance

- Recommendation: Introduce ordinance adopting water conservation program, waive further reading, and continue to September 14, 2021 for adoption.
- Ordinance will become effective upon adoption (Water Code § 376).

The Future of Groundwater Management



Plan to ensure Groundwater Sustainability
(2022-2042)

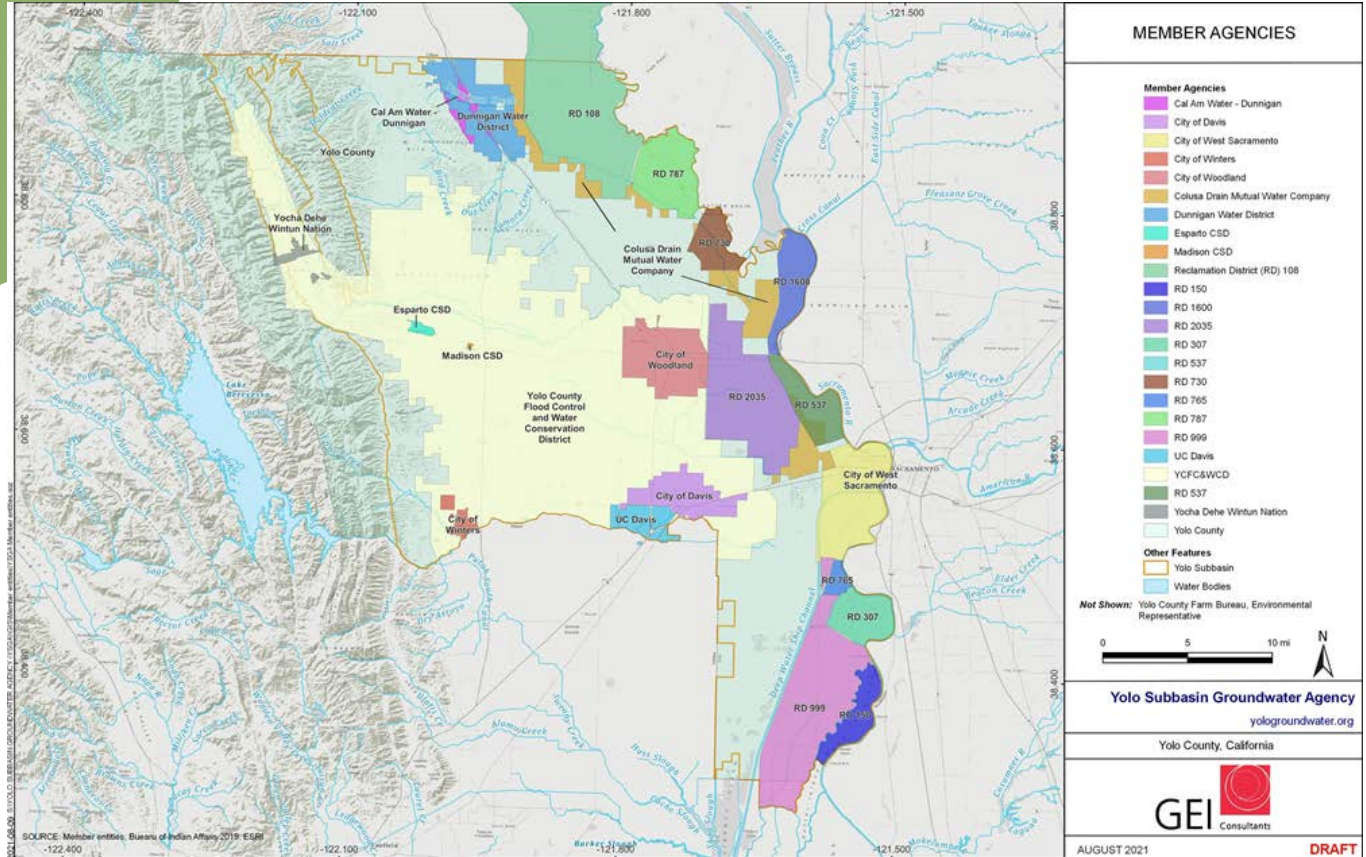
- Focused on project implementation
- Annual reporting + 5-year updates to the State

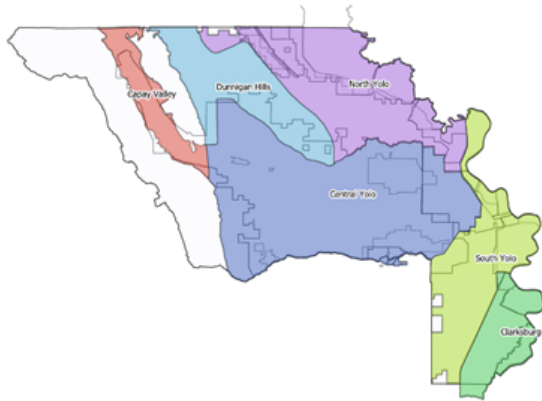


Yolo Subbasin Groundwater Agency

Formed
June 2017

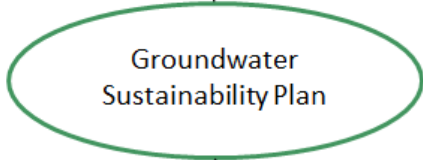
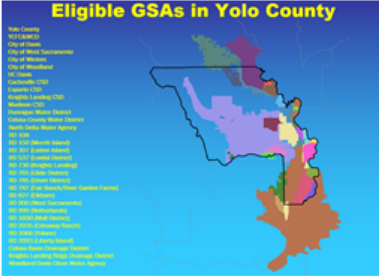
Plan due
January 2022





Yolo Subbasin Groundwater Agency
 25 Members

- Limited Authority
- For regional planning & reporting
- JPA defines authorities & responsibilities of GSA, Management Areas, and Eligible Entities



Management Areas are used to define sustainability goals and objectives for a hydrogeologic setting.

Capay Valley
 YCFC&WCD
 Yocha Dehe Wintun Nation
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

Advisory Committee
 Public

North Yolo
 Dunnigan WD
 Colusa Drain Mutual Water Co.
 California American Water
 RDs 108, 730, and 787
 YCFC&WCD
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

Advisory Committee
 Public

Central Yolo
 Cities of Davis, Woodland & Winters
 UC Davis
 YCFC&WCD
 RD 2035
 Esparto and Madison CSDs
 Yolo County (white area)
 Yolo County Farm Bureau
 Environmental Representative

Advisory Committee
 Public

Dunnigan Hills
 YCFC&WCD
 Yolo County Farm Bureau
 Yolo County (white area)
 Environmental Representative

Advisory Committee
 Public

South Yolo
 City of West Sacramento
 Colusa Drain Mutual Water Co.
 RDs 537 and 1600
 YCFC&WCD
 Yolo County Farm Bureau
 Yolo County (white area)
 Environmental Representative







Advisory Committee
 Public

Clarksburg
 RDs 150, 307, 785, and 999
 Yolo County Farm Bureau
 Environmental Representative

Advisory Committee
 Public

OVERALL GOAL OF GROUNDWATER SUSTAINABILITY PLAN

For each basin to achieve “sustainable groundwater management” by avoiding the “six undesirable results”

-  Chronic lowering of groundwater levels
-  Reduction of groundwater storage
-  Seawater intrusion
-  Degraded water quality
-  Land subsidence
-  Depletions of interconnected surface water

Projects and Management Actions

- 12 proposed management actions
- 75 proposed projects

MA 5: Preparedness Through Increased Groundwater Recharge and Managed Aquifer Recharge Projects



Credit: Stanford University

Questions/Comments