



YSGA Working Group Meeting

March 2, 2022



Agenda

- Approve Minutes
- Executive Officer Update
- Roundtable: Current Water Conditions and Summer 2022 Projections
- SB 552 and Drought Planning: Yolo OES
- GSP Implementation Update:
 - Annual Report Submission for April 1, 2022 Deadline
 - Upcoming funding solicitations
 - Project proponent commitments
 - North Yolo Management Area's Buckeye Creek Recharge Project
- Discussion: WRA Dissolution and Incorporation into the YSGA
- Discussion: Management Area Advisory Committee Framework
- Wrap Up and Next Steps

A background image of a sunflower field. The sunflowers are yellow with dark brown centers. The image is slightly blurred and has a dark overlay. The text is centered over the image.

Roll Call & Determination of Quorum

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a dark, semi-transparent overlay.

Adding Items to the Posted Agenda

A field of sunflowers is shown in a soft, slightly desaturated light. The sunflowers are yellow with dark brown centers. The text 'Public Forum' is centered over the image in a white, sans-serif font. A thin white horizontal line is positioned below the text.

Public Forum

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image is slightly blurred and has a soft, warm tone.

Approve Minutes

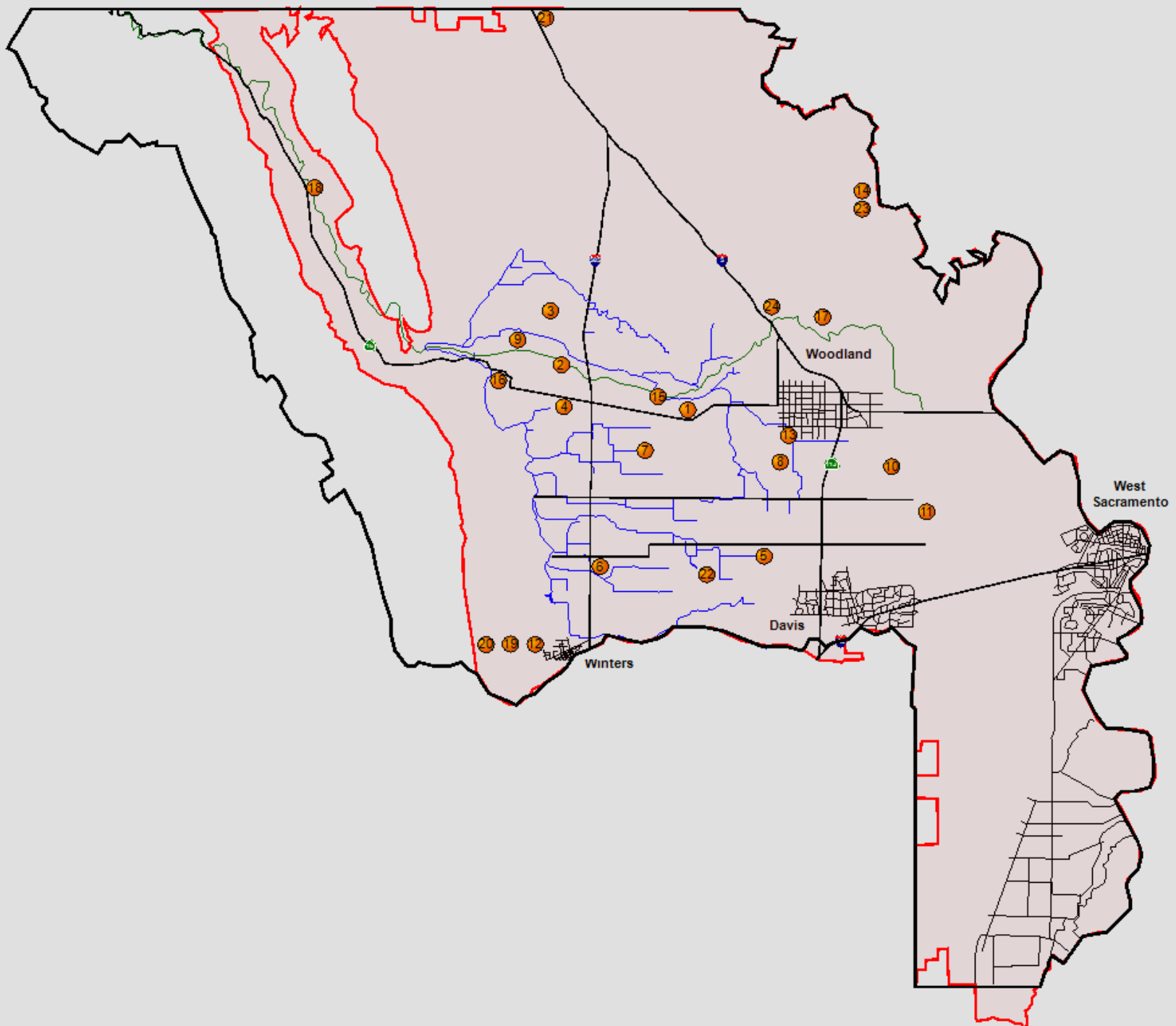
September 2, 2021

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a soft, slightly blurred quality, and the colors are somewhat muted, giving it a calm and natural feel. The sunflower in the foreground is the central focus, with its bright yellow petals and dark brown center clearly visible.

Executive Officer Update

Well Monitoring

Real-Time





SCADA Links


Comparison Trends

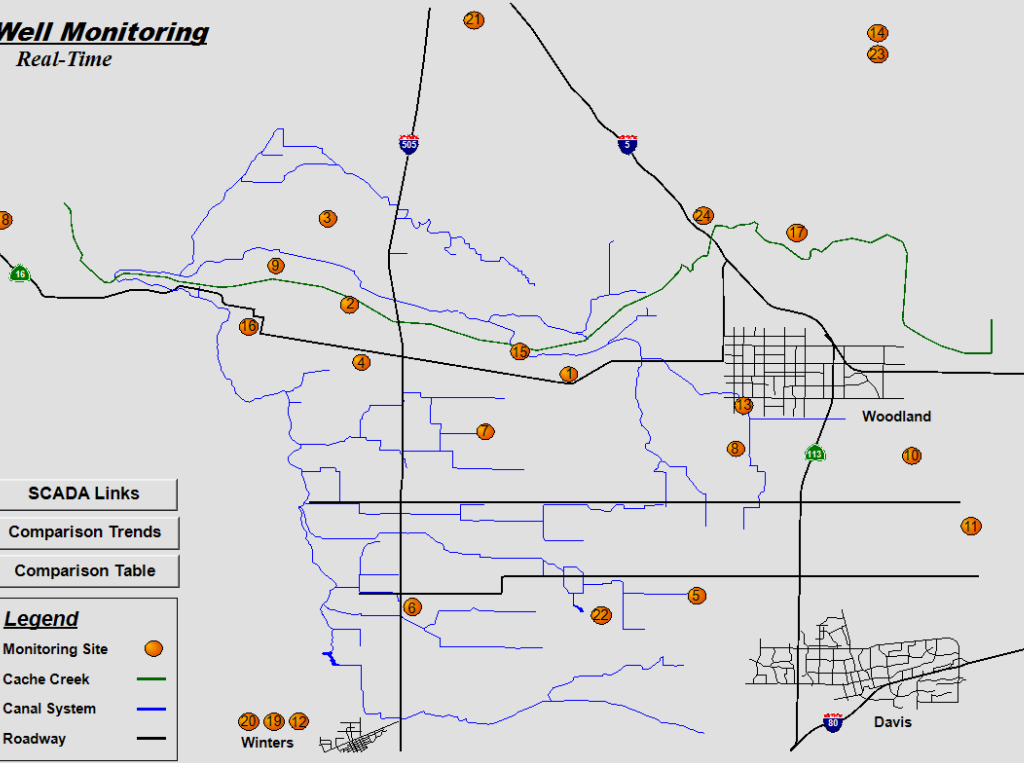
Comparison Table

Legend

Monitoring Site 

YSGA 

County 



Well Monitoring
Depth to Water Historical Comparison
(Daily Average DTW in feet)

SCADA Links

Well Map

Select Date

03/01

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Δ 2021 - 2022	Δ 2015 - 2022
1.	83.2	78.6	78.4	79.2	93.3	101.5	105.6	92.3	90.1	92.5	86.8	96.5	114.0	-17.5	-12.5
2.	32.3	29.7	29.9	29.1	37.0	38.6	44.8	24.1	30.3	25.8	29.6	31.7	36.9	-5.2	1.7
3.		42.5	39.5	39.2	51.8	59.5	60.3	40.3	40.2	39.4	39.7	43.4	56.3	-12.9	3.2
4.		25.5	28.7	24.3	32.3	38.2	41.4	21.3	28.2	20.3	27.8	30.7	36.9	-6.2	1.2
5.		21.5	21.1	22.2	29.6	33.3	39.9	11.3	28.1	8.8	22.7	29.4	37.3	-8.0	-4.1
6.			39.0	33.9	44.5	48.6	54.2	25.3	36.8	22.6	34.1	39.9	53.9	-14.0	-5.3
7.					21.9	32.6	35.1	16.5	21.2	15.4	19.3	25.8	31.5	-5.7	1.0
8.					51.1	59.5	63.9	48.7	43.0	39.3	38.4	45.9	59.7	-13.8	-3
9.					51.3	56.6	59.8	38.1	40.9	35.9	41.5	45.3	53.4	-8.1	3.2
10.						23.4	27.6	13.4	12.9	10.8	10.5	16.8	25.1	-8.3	-1.7
11.						10.9	13.4	5.1	9.1	6.5	9.2	12.5	13.3	-8	-2.4
12.										114.5	109.6	118.4	129.2	-10.8	
13.									54.5	50.0	49.5	59.1	69.9	-10.8	
14.										6.3	10.5	13.8	11.6	2.1	
15s.										35.4	36.8	46.3	44.1	2.2	
15d.										105.6	101.4	138.9	155.4	-16.5	
16.										27.0	36.1	36.9	43.9	-7.0	
17.											20.1	27.3	30.1	-2.8	
18.											36.7	38.1	43.9	-5.8	
19.											166.0	175.4	186.5	-11.1	
20.											199.1	199.0	199.0	-1	
21.											117.4	127.1	135.5	-8.4	
22.													59.3		
23.													37.0		
24.													59.8		

1. HQ Well Depth to Water

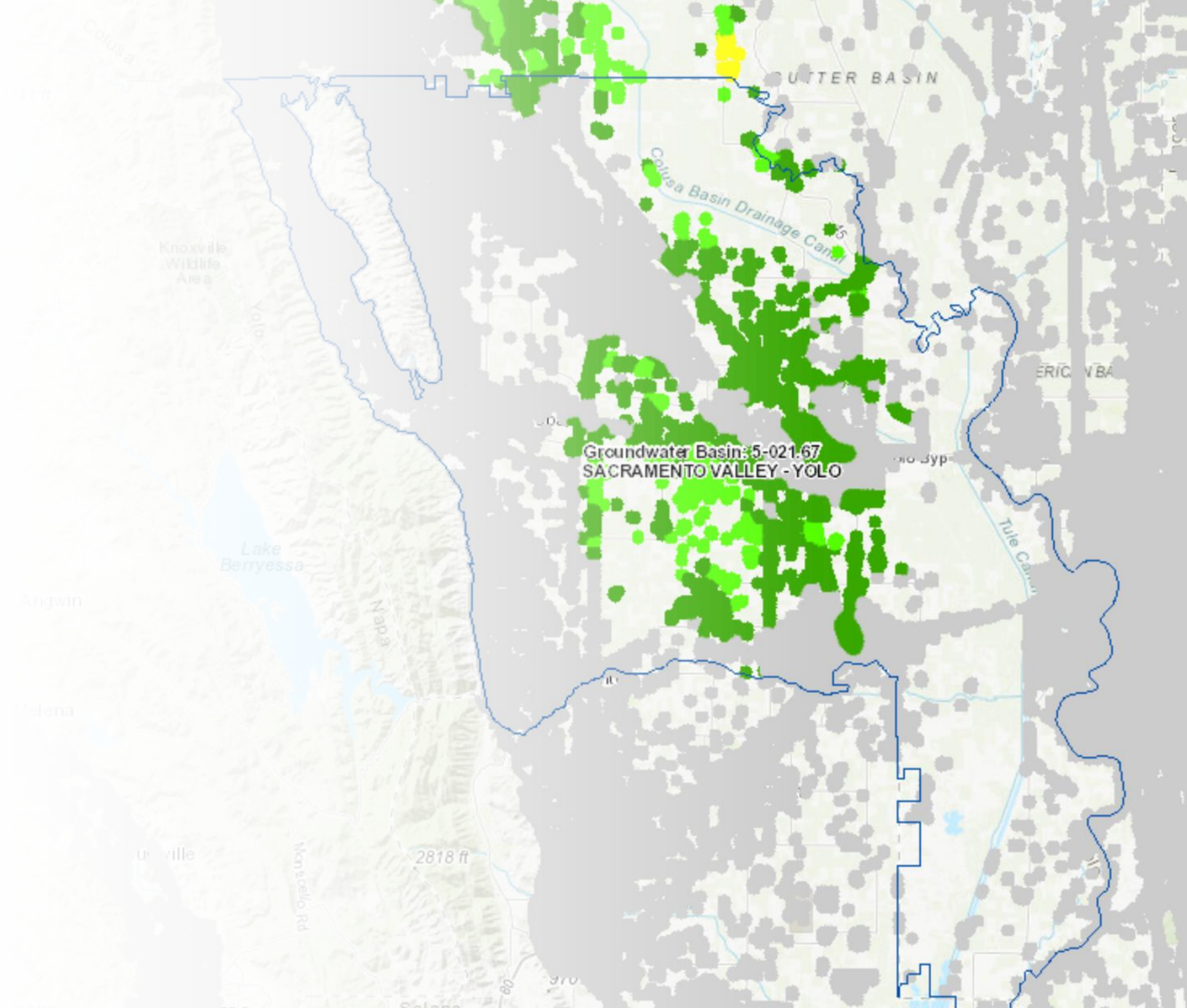
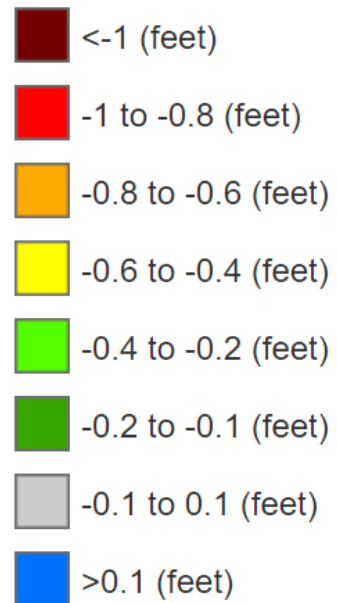


Depth to Water
3/1/22: 114 feet

DWR InSAR Subsidence Data

- Oct 2020 – Oct 2021

Vertical Displacement Raster Data

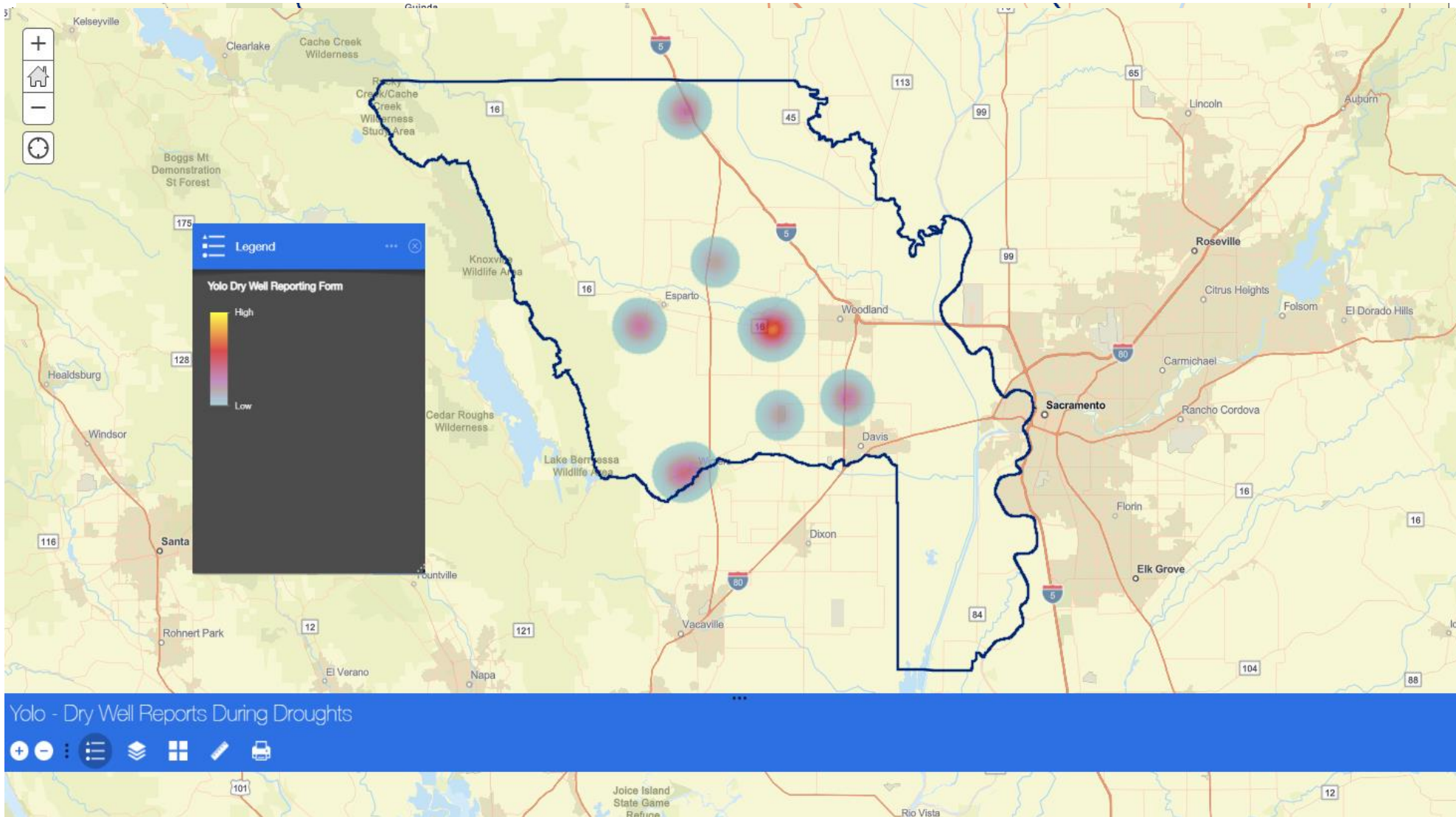




Ongoing Response – February 2022

- RISE, Inc. (Esparto) – Dry Well Reporting
- Bottled water deliveries
- Assistance available through OES
- LAFCo *Temporary Water Hauling During Local Emergency*
- SB 552 – Drought Task Force
- Grant funding update

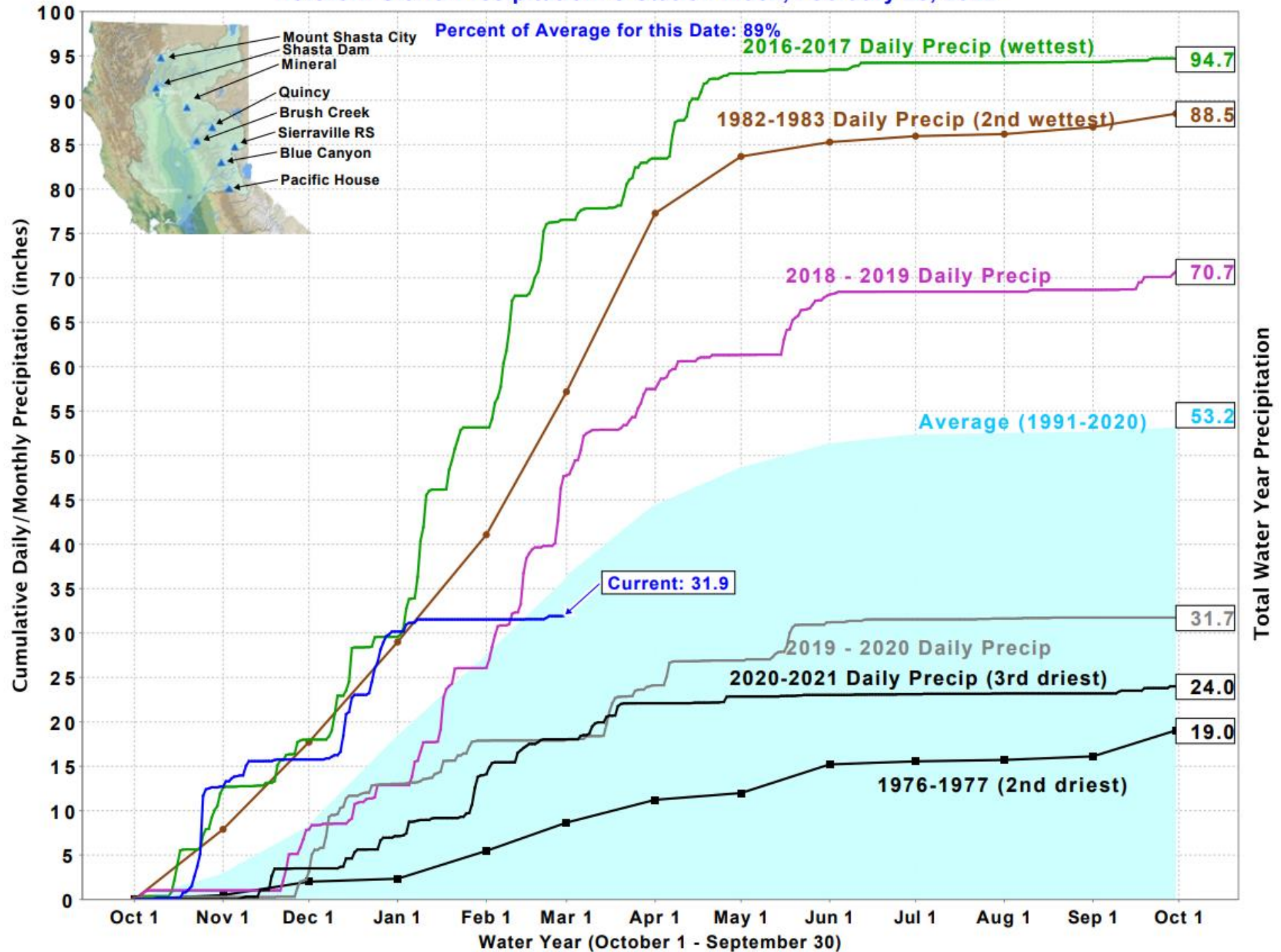
What Are We Seeing Now





Water Conditions Update

Northern Sierra Precipitation: 8-Station Index, February 28, 2022

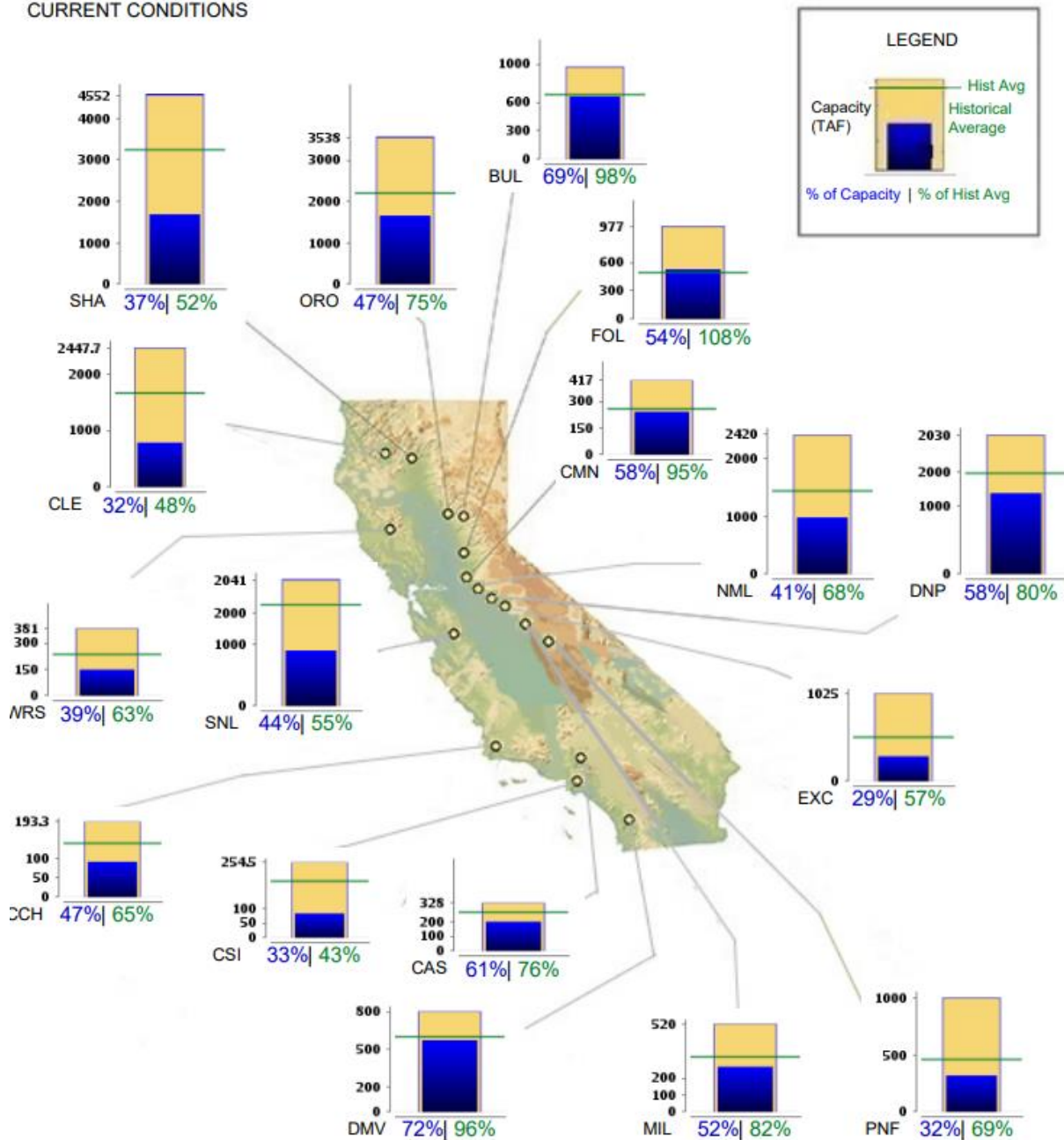




CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS CURRENT CONDITIONS

Midnight - February 27, 2022



State Water Conditions Update

-
- State Water Project – Initial Allocation of 15%
 - Central Valley Project – Sacramento River
 - Irrigation and repayment contractors NOD – 0% allocation
 - M&I water service and repayment contractors NOD – public health & safety needs
 - Settlement Contractors' water supply based on Shasta Critical Year (up to 75%) – likely some water

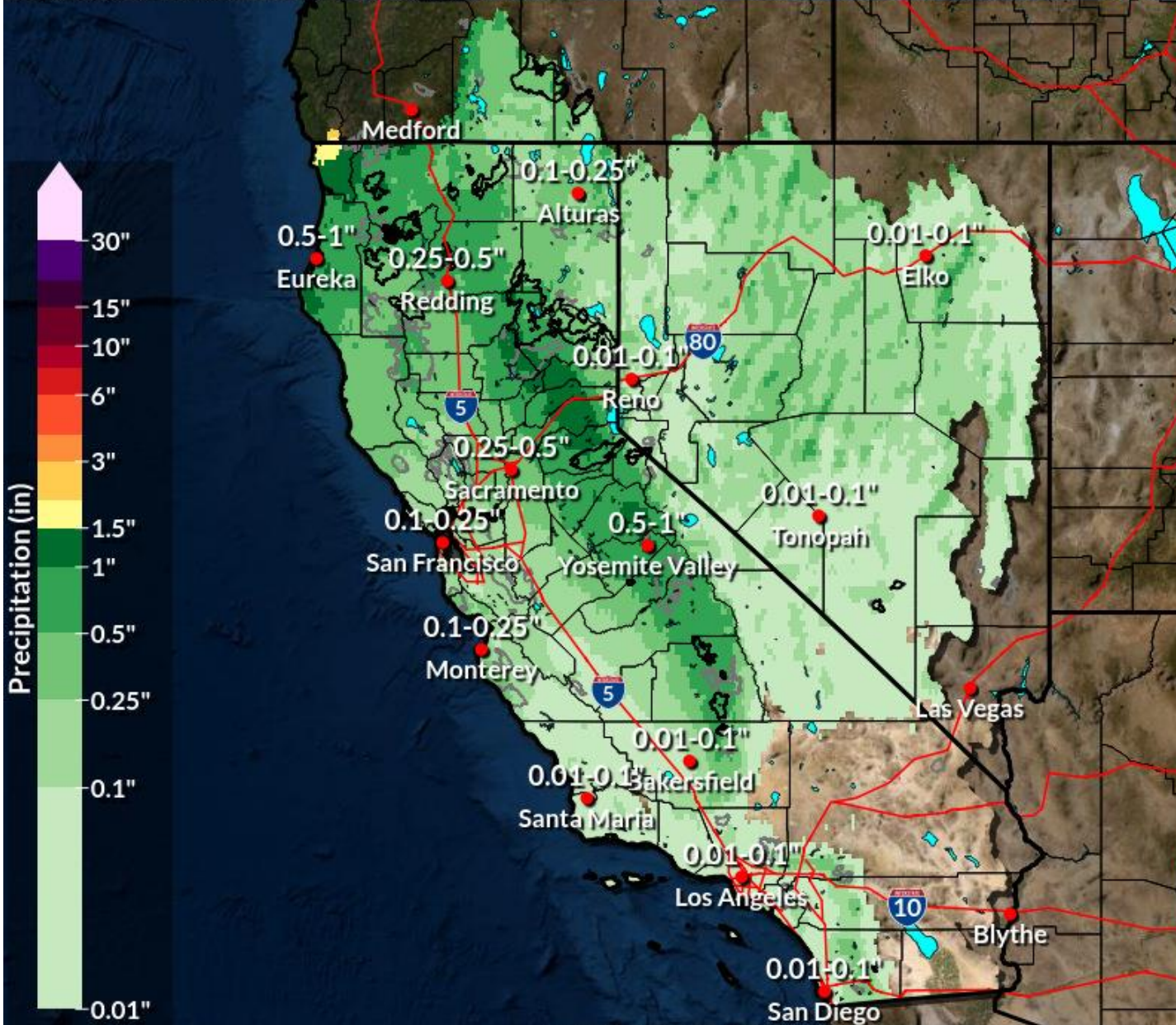
6-Day Forecast Precipitation

California Nevada
River Forecast Center



Mon Feb 28, 2022 4 AM PST to Sun Mar 6, 2022 4 AM PST

Issued Feb 28, 2022 6:40 AM PST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Current Water Conditions & Summer 2022 Projections

-
- Member Agencies Update
 - RD 108 / Dunnigan Water District
 - RD 787
 - RD 2035
 - Woodland Davis Clean Water Agency
 - Colusa Drain MWC
 - City of West Sacramento
 - YCFC&WCD

Cache Creek Watershed

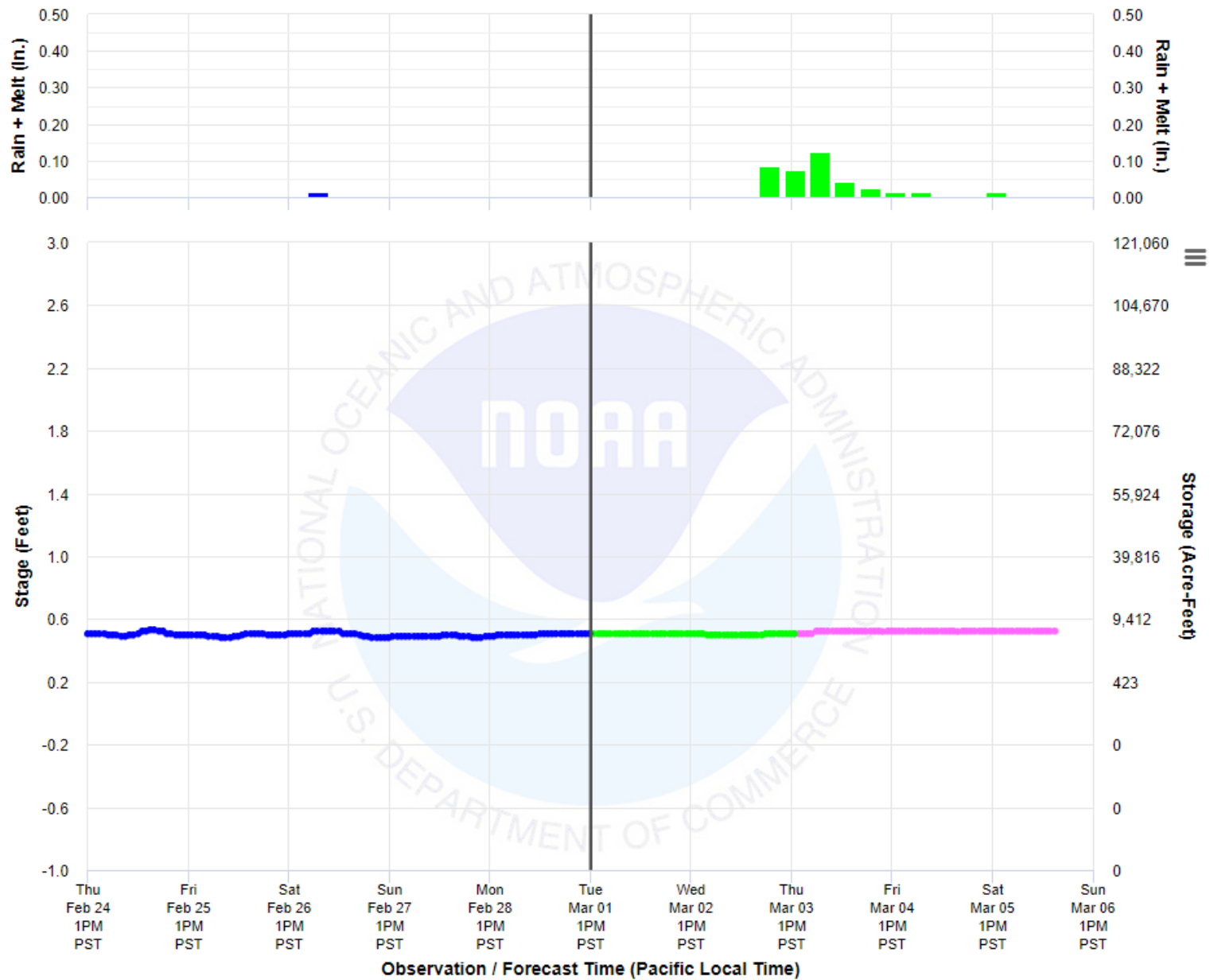
YCFC&WCD Current Water Conditions

03-01-22

	<u>Elevation</u>	<u>Available</u>	<u>2021</u>
Clear Lake			
• March 1	0.50'	0 AF	1.04' (0 AF)
• February 1	0.53'	0 AF	
• Total Loss	-0.03'	0 AF	
Indian Valley Reservoir			
• March 1	1,392.99'	48,890 AF	1,410.04' (76,068 AF)
• February 1	1,391.91'	47,490 AF	
• Total Gain	1.05'	1,400 AF	

Clear Lake - Lakeport (CLKC1) Reservoir Forecast Plot

Forecast Posted: 03/01/2022 at 1:20 PM PST • Graphic Created: 03/01/2022 at 1:27 PM PST



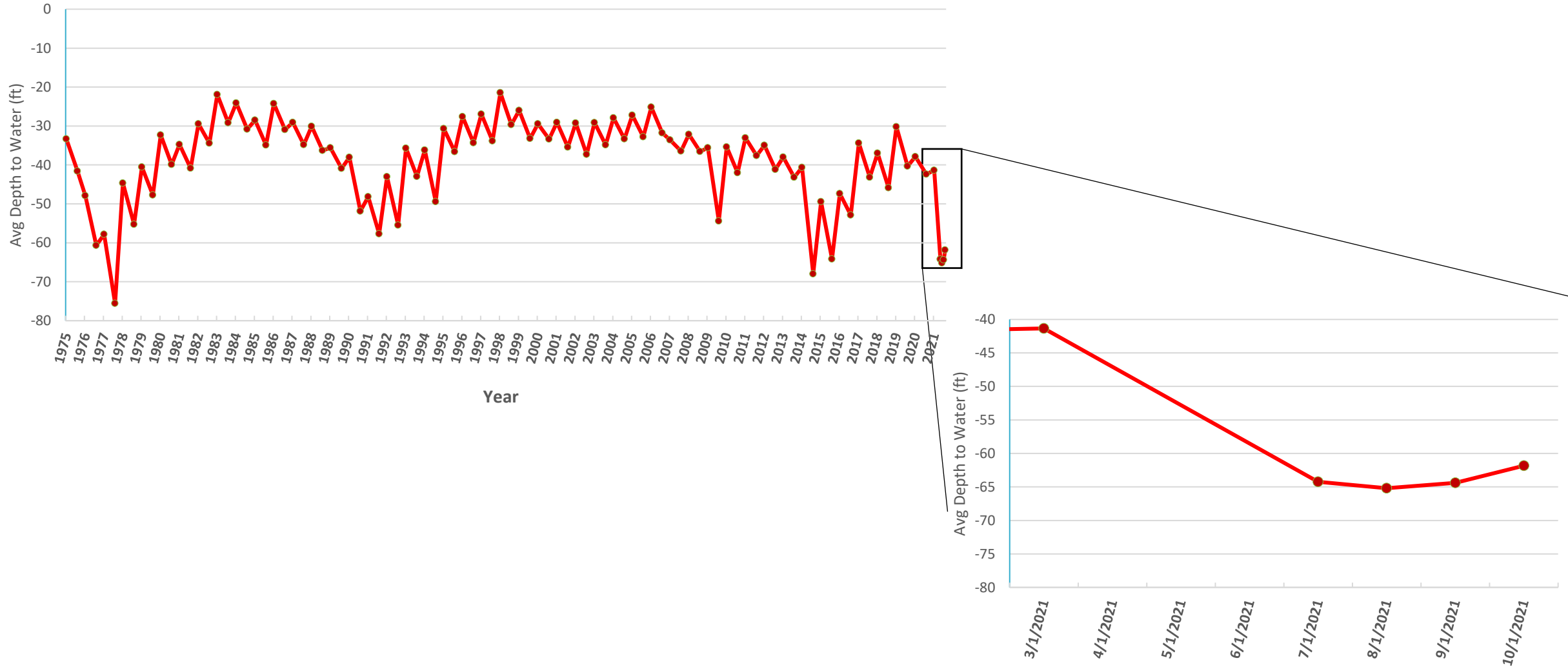
NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources

—●— Observed
 —●— Forecast
 —●— Guidance
 —●— Monitor Stage
 —●— Flood Stage

YCF&WCD Average Hydrograph October 2021

YCF&WCD Average Groundwater

Depth by Season (Oct. 2021 is 108 wells)



A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a soft, slightly desaturated color palette, giving it a calm and natural feel. The sunflower in the foreground is the central focus, with its bright yellow petals and dark brown center clearly visible.

SB 552 and Drought Planning

Passed SB 552 Requirements (September 2021)

Small Water Systems

Plans

- **>1000 connections:** Do abridged water shortage plan
- **<1000 connections:** Do Emergency Response Plans and Drought Supply Assessment

Other requirements

- Water supply condition annual reporting (eAR or other)
- Infrastructure upgrades as standard for drought resilience (backup power, backup sources, etc.)

Counties

- Drought Task Force and Water Shortage Plan support homes on private supplies and state smalls (<15 connections)

New responsibilities for State

Planning/Data-Support Tool

update drought risk assessment and tool:

[Workbook: Small Water System Risk - March 2021 \(ca.gov\)](#)

[Workbook: DWR Drought Risk Explorer - Rural Communities \(March 2021\) \(ca.gov\)](#)

Standing Interagency Task Force

Establish task force to consider all water user types, develop ways to improve coordination

Drought Planning - Counties

New requirements:

- Establish a standing drought task force or similar alternative
 - Purpose: To facilitate drought and water shortage preparedness for state small water systems and domestic wells within the county's jurisdiction
 - Membership: January 1, 2022
- Develop a drought and water shortage plan
 - Stand alone or integrated as part(s) of existing county plan:
 - Local Hazard Mitigation Plan,
 - General Plan, or
 - other

Drought Planning - Counties

Drought/Water Shortage Plan must include at least:

- Potential drought and water shortage risk
- Proposed interim and long-term solutions for state smalls and domestic wells in the county
 - (1) Consolidations for existing water systems and domestic wells.
 - (2) Domestic well drinking water mitigation programs.
 - (3) Provision of emergency and interim drinking water solutions.
 - (4) An analysis of the steps necessary to implement the plan.
 - (5) An analysis of local, state, and federal funding sources available to implement the plan.

Yolo County/YSGA Drought Planning

-
- Coordination between Yolo County (Natural Resources, OES & DEH) and YSGA for dry well reporting and well permitting
 - WRA TC Ad Hoc Drought Task Force
 - CSD and CSA assistance
 - Grants solicitation (via Yolo County) and investigation of regionalization / consolidation opportunities
 - YSGA Drought Contingency Planning Committee
 - *Communications Plan*
 - Framework for a Domestic Well Mitigation Program

A close-up photograph of a sunflower in a field, with other sunflowers visible in the background. The image has a dark, semi-transparent overlay.

GSP Implementation Update

GSP Implementation Update: 2022 Annual Report Submission

- Due to DWR by April 1, 2022
- WY 2019, 2020, and 2021
- Board review of Draft Annual Report at 3/21 meeting
 - Annual project solicitation process

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GSP Implementation Update:

Upcoming Funding Solicitations

<i>Source of Funds</i>	<i>Name of Funding Program</i>	<i>Funding Amount</i>	<i>Website</i>	<i>Additional Details</i>	<i>Open Date</i>	<i>Due Date</i>
USBR	USBR WaterSMART Grant	\$200,000	Link		Ongoing	4/28/2022
Cal OES	California Hazard Mitigation Grant Program		Link		Ongoing	1/28/2022
CalTrans	Clean California Local Grant Program	\$5,000,000/project	Link		Ongoing	2/1/2022
Department of Conservation	Land Repurposing Grant	\$10,000,000/basin	Link		2/4/2022	4/1/2022
CDFA	State Water Efficiency and Enhancement Program	\$40,000,000	Link		Ongoing	1/18/2022
CDFA	Healthy Soils Program	\$50,000,000	Link		Ongoing	2/25/2022
CDFA	Water Efficiency Technical Assistance Program	\$5,000,000	Link	Link	Ongoing	1/19/2022
CDFW	Watershed Restoration Grant Program Priorities	\$24,000,000	Link		1/24/2022	3/4/2022
CDFW	Delta Water Quality and Ecosystem Restoration	\$7,000,000	Link		1/24/2022	3/4/2022
Department of Parks and Recreation	Habitat Conservation Fund	\$6,000,000	Link	Video	Ongoing	3/1/2022
DWR	Sustainable Groundwater Management Implementation	\$2-\$8,000,000/subbasin	Link	Link to Write-up	Winter / Fall 2022	Winter / Spring 2023
DWR	Integrated Regional Water Management	\$192,000,000	Link		Early 2022	
DWR	Urban and Multibenefit Drought Relief Program	\$190,000,000	Link		Ongoing	1/14/2022
DWR	Small Community Drought Relief Program	\$192,000,000	Link		Ongoing	12/29/2023
FEMA	Hazard Mitigation Program	\$160,000,000	Link	Drought and Flood Mitigation Projects	Ongoing	1/28/2022
NOAA	Regional Integrated Science and Assessments (RISA)	\$1,000,000/project	Link		10/19/2021	1/11/2022
NRCS	Watershed and Flood Prevention Operations Program	\$500,000,000	Link		TBD	TBD
NRCS	Watershed Rehabilitation Program	\$118,000,000	Link		TBD	TBD
NRCS	Emergency Watershed Protection Program	\$300,000,000	Link		TBD	TBD
RCAC	Clean Drinking Water Well Replacement Grant Application	\$100,000/project	Link		Ongoing	Continuous
RCAC	Household Water Well & Septic System Flyer	\$15,000/project	Link		Ongoing	Continuous
SWRCB	Drinking Water Well Replacement Program (See RCAC programs)	\$8,000,000	Link	Self-Help Enterprises/RCAC	Ongoing	Continuous
SWRCB	Drinking Water State Revolving Fund	\$280,000,000	Link	Link	Ongoing	Continuous
SWRCB	Small Community Clean Water/Wastewater Funding	\$110,000,000	Link	Link	Ongoing	Continuous
SWRCB	Small Community Drinking Water (SCDW) Funding Program	\$50,000,000	Link	Link	Ongoing	Continuous
SWRCB	Safe and Affordable Funding for Equity and Resilience Program (SAFER)	\$130,000,000	Link	Link	Ongoing	Continuous
SWRCB	Urgent Drinking Water/Cleanup & Abatement Account Programs	\$9,700,000	Link	Link	Ongoing	Continuous
Wildlife Conservation Board	Habitat Enhancement and Restoration Program	\$1,000,000	Link		Ongoing	Continuous
Wildlife Conservation Board	Inland Wetlands Conservation Program	\$3,000,000	Link		Ongoing	Continuous
California Grants Portal			https://www.grants.ca.gov/			



Logistics

- Number of grants: 3-5
- Amount: ~\$10 million each
- Grant term: ~4 years
- Region size: flexible

Eligible applicants that are not groundwater sustainability agencies or tribes must partner with at least one groundwater sustainability agency to submit an application.

- Partners provide funds or in-kind services as match to grant
 - Letters of commitment required as proof of partnerships in application
- Level of coordination with partners and collaboration with other organizations will be considered during application selection

Statute – AB 170 Sec. 44



- Consult with: DWR, CDFW, SWRCB, CDFA
- Implement MLRP for groundwater sustainability projects that reduce groundwater use, repurpose irrigated agricultural land, and provide wildlife habitat
- Eligible expenditures include (but are not limited to) projects that:
 - Create/restore permanent wildlife habitat
 - Create/restore seasonal wetland habitat that provides aquifer replenishment
 - Improve groundwater supply
 - Convert land to less intensive water uses while maintaining natural and working lands
- Any groundwater recharge achieved must be subtracted from amount available for extraction for the duration of the benefit provided
- Disadvantaged Community benefits shall be prioritized
- Eligible geographic areas:
 - Critically overdrafted basins
 - High or medium priority basins subject to a state emergency drought declaration

Program Goals



- Support:
 - Coordinated regional efforts to achieve groundwater sustainability by repurposing irrigated agricultural lands
 - Regional efforts to sustain land-based economies
 - Farmer, rancher, and farmworker leadership in land repurposing strategies
- Reduce groundwater use
- Create/restore habitat
- Provide benefits to disadvantaged communities and socially disadvantaged farmers and ranchers
- Foster partnerships and collaboration

Deliverables

- Multibenefit Agricultural Land Repurposing Plan
- Land repurposing project development and permitting
- Land repurposing project implementation
- Funding provided to support capacity needs of partners
- Outreach, education, and training conducted
- Monitoring conducted

Work toward deliverables may be conducted simultaneously or sequentially, as needed for the successful implementation of the grant

Projects

Example project types:

- Creation or restoration of habitat
- Creation of multibenefit recharge areas
- Transitioning irrigated land to dryland farming or rangeland
- Transitioning to less water intensive crops
- Planting cover crops or conservation cover
- Reestablishment of tribal land uses
- Implementation of tribal cultural practices
- Facilitation of renewable energy projects
- Creation of parks or community recreation areas
- Incentive payments to landowners, farmers, and ranchers to implement multibenefit projects
- Land acquisitions, voluntary land transfers, and easement acquisitions
- Pumping allocation acquisitions

Project Themes:

- Land Repurposing
 - Fallowing
 - Solar
 - Flood-MAR
 - Habitat
- Drought
 - Recharge
 - Reconnecting Waterways w/ Floodplains

Projects



Land repurposing projects must:

- Be consistent with the Groundwater Sustainability Plan for the area
- Either be identified through the Multibenefit Agricultural Land Repurposing Plan **OR** be pre-identified, shovel-ready projects that meet program requirements and maximize project outcomes outlined in the Guidelines

Block grant recipients must prioritize projects that:

- Meaningfully benefit disadvantaged communities
- Are conducted on lands that are least viable for irrigated agriculture
- Contribute to resource connectivity (e.g., connectivity of habitat, agricultural landscapes, renewable energy centers, etc.)

Applications



Review Process

- DOC staff to verify eligibility
- Review panel will:
 - conduct applicant interviews
 - score projects and develop funding recommendations
- Department Director to make final funding decisions

Project ranking based on:

- Applicant's vision for land repurposing in their region and how it aligns with program goals
- Experience conducting effective, inclusive outreach and engagement across diverse communities, including farmers and ranchers, disadvantaged communities, and tribes
- Existing regional partnerships and capacity to expand partnerships
- Experience conducting regional planning/project implementation
- Fiscal and administrative controls to oversee expenditure of block grant awards
- Policy and project expertise relevant to program goals

GSP Implementation Update: Project Proponent Commitments

GSP Implementation Update:

Buckeye Creek Recharge Project



Flowing over County Road 88



Dewatered Canal

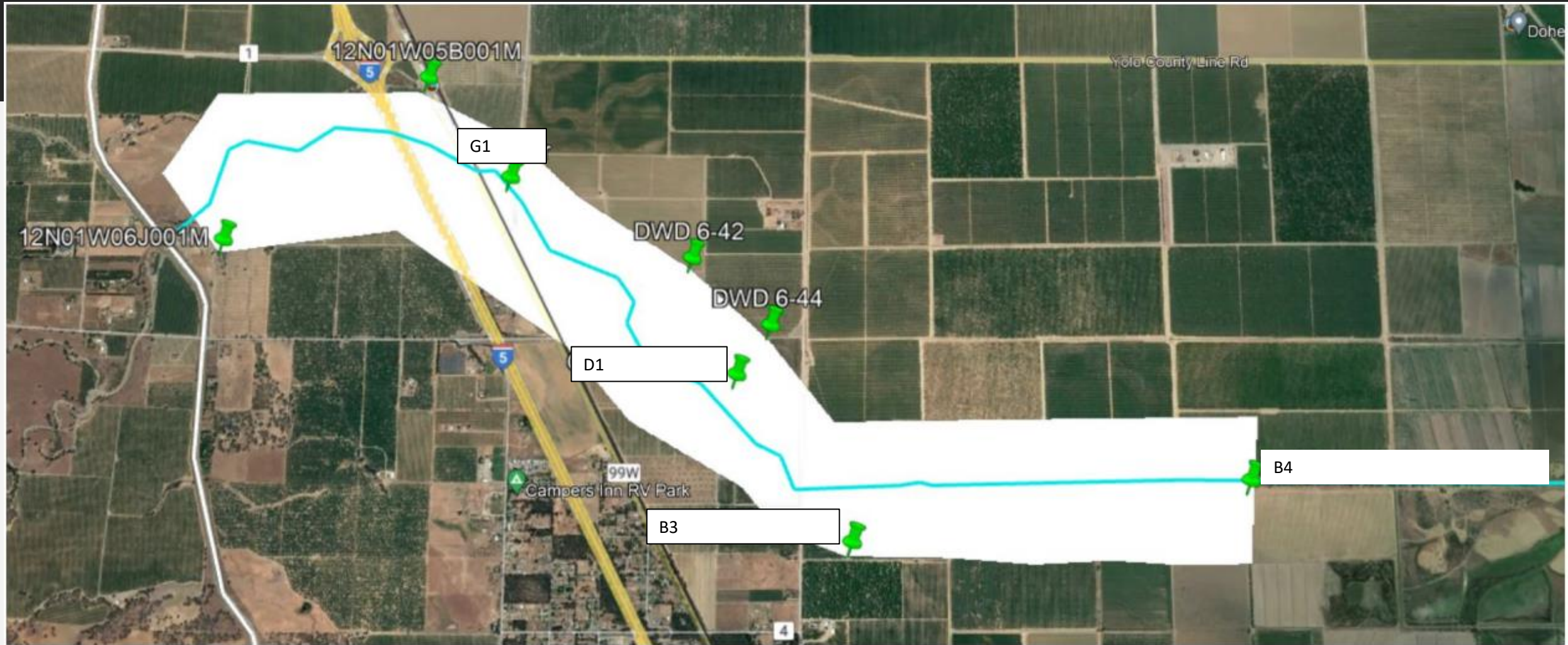
Buckeye Creek Recharge

Bird Creek

Dewatered Canal Length

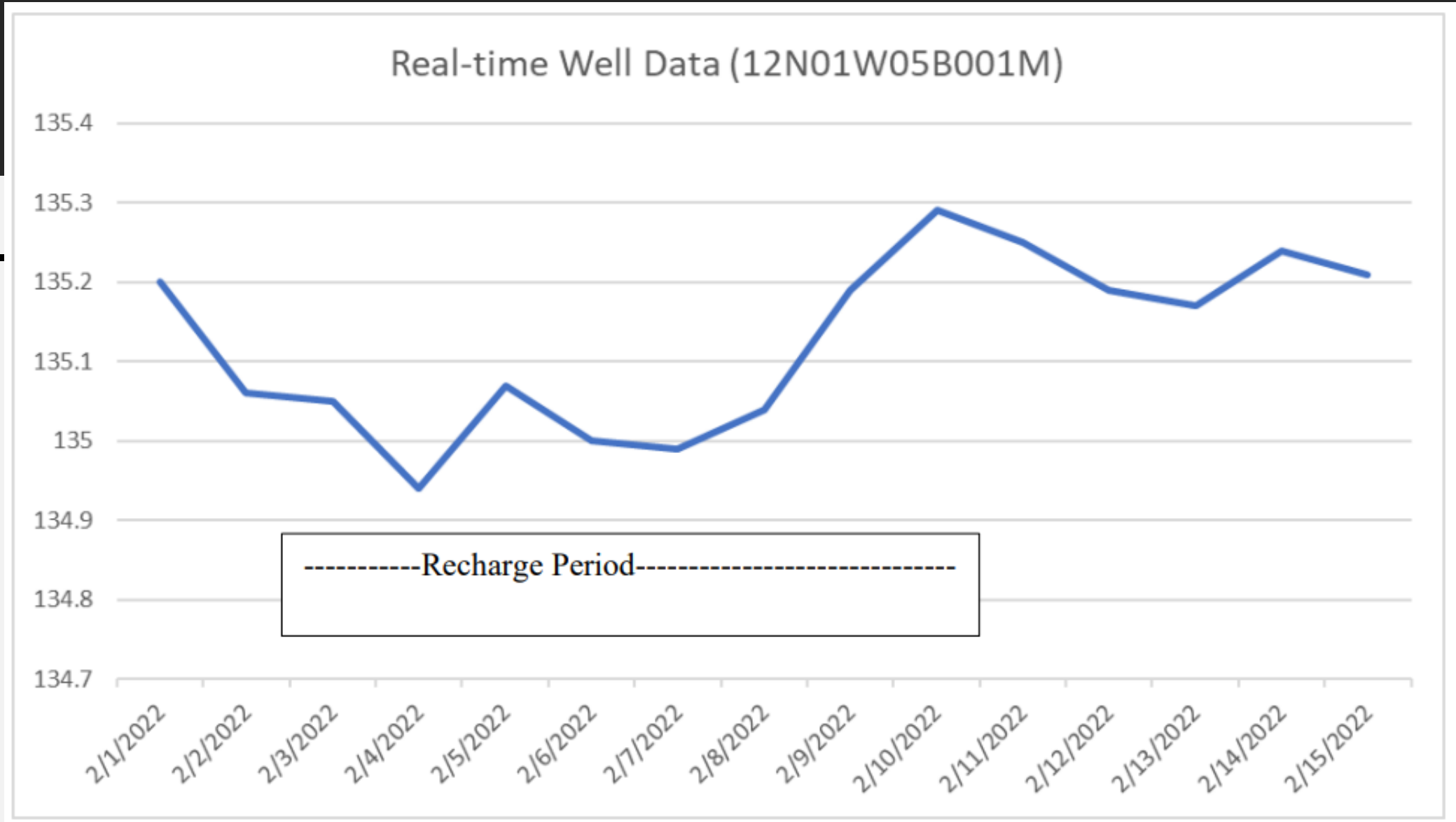
GSP Implementation Update:

Buckeye Creek Recharge Project



GSP Implementation Update:

Buckeye Creek Recharge Project



A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a soft, out-of-focus landscape with a blue sky and green foliage.

Discussion

WRA Dissolution &
Incorporation into the YSGA

WRA Dissolution and Incorporation into YSGA

REASONING

- Increase overall efficiency by eliminating overlapping meetings/activities
- Facilitate integration of SGMA-related groundwater management activities with broader water resource planning efforts within Yolo County

PROCESS

- Dissolution of WRA – adoption of resolution by WRA BOD
- Amendment of YSGA JPA to include the authority to
 - Coordinate the study and planning of water, drainage, and flood control activities in Yolo County
 - Coordinate implementation of the Yolo County-portion of the Westside IRWM Plan
 - Take a leadership role in updating the IRWMP every 10 years

A field of sunflowers is shown with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The background is a soft, out-of-focus landscape with a blue sky and green foliage.

Discussion

Management Area Advisory
Committee Framework

Management Area Committees – Draft Outline

1. Roles and Responsibilities of Management Area Committees ([Article 8 of YSGA JPA](#))
 - a. Relationship to the YSGA Board of Directors, Working Group, etc.
 - b. Forum for community organization and involvement
 - c. Evaluate and respond to local groundwater conditions
 - i. Manage the area toward the measurable objective
 - ii. Response to local minimum threshold exceedances and other community concerns*
 - d. Select and implement projects
 - e. Areas of special concern?
2. Committee Membership
 - a. Equal representation of beneficial users
 - b. Annual selection by YSGA BOD?
 - c. Length of term/selection
3. Public involvement
4. Meeting logistics
 - a. How often will the committees meet?
 - b. One meeting with breakout rooms?

*Should evaluate local MT exceedances, but can also evaluate local effects that are not captured in MT and suggest change to monitoring network if needed

A background image of a sunflower field with a semi-transparent dark overlay. The sunflowers are in various stages of bloom, with bright yellow petals and dark brown centers. The text is centered over the image.

Future Working Group Discussions

- Advisory Committee Roles
- Annexation of “Grey Areas”
- Role of Water Transfers



Wrap Up & Next Steps

A close-up photograph of a sunflower in a field. The sunflower is the central focus, with its bright yellow petals and dark brown center clearly visible. The background shows other sunflowers and green leaves, slightly out of focus. The word "Adjourn" is written in a clean, white, sans-serif font across the middle of the image, positioned over the sunflower's center. A thin white horizontal line is drawn below the text.

Adjourn