



SAN JOAQUIN COUNTY

FLOOD CONTROL & WATER CONSERVATION DISTRICT

P. O. BOX 1810

STOCKTON, CALIFORNIA, 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

Kris Balaji
DIRECTOR OF PUBLIC WORKS

ADVISORY WATER COMMISSION April 20, 2022, 1:00 p.m. San Joaquin County Robert J. Cabral Agricultural Center 2101 E. Earhart Avenue, Stockton, CA 95206 AGENDA

- I. Roll Call
- II. Approve Minutes for the Meeting of February 16, 2022 ([Attachment 1 – Page 3](#))
- III. Discussion/ Action Items:
 - A. Hydrologic Conditions and Groundwater Reports <http://www.sjwater.org/Groundwater/Groundwater-Reports> ([Attachment 2 - Page 14](#))
 - B. Selection of Chairman and Vice Chairman for 2022
 - C. Drought, Water Systems and Wells
 1. OES Activity and Drought Response
 2. Governor’s Executive Order, Implications, and Related Drivers ([Attachment 3 - Page 27](#))
 3. ESJ GSP, GWA and DWR Comments/Response
 4. EHD Well Permitting and Small Water Systems Regulation
- IV. Grants and Funding
 1. DWR SGMA Implementation Grant
 2. Congressional Earmarks
 3. USBR WaterSMART
 4. Other
- V. Staff Reports
 1. SJAFCA
 2. SJC- DREAM Project Status Report ([Attachment 4 - Page 33](#))
- VI. Public Comment: *Please limit comments to three minutes.*
- VII. Commissioner Comments

VII. Future Agenda Items

VIII. Adjournment

**Next Regular Meeting
May 18, 2022, 8:30 am
San Joaquin County Robert J. Cabral Agricultural Center**

Commission may make recommendations to the Board of Supervisors on any listed item.

If you need disability-related modification or accommodation in order to participate in this meeting, please contact the Water Resources Staff at (209) 468-3089 at least 48 hours prior to the start of the meeting. Any materials related to items on this agenda distributed to the Commissioners less than 72 hours before the public meeting are available for public inspection at Public Works Dept. Offices located at the following address: 1810 East Hazelton Ave., Stockton, CA 95205. These materials are also available at <http://www.sjwater.org>. Upon request these materials may be made available in an alternative format to persons with disabilities.

**REPORT FOR THE MEETING OF
THE ADVISORY WATER COMMISSION OF THE SAN JOAQUIN
COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
February 16, 2022**

The regular meeting of the Advisory Water Commission of the San Joaquin County Flood Control and Water Conservation District was held on Wednesday, February 16, 2022, beginning at 1:00 p.m., via the Microsoft Teams Meeting Platform.

Mr. Thomas McGurk, Chairman of the Advisory Water Commission (AWC), called the meeting to order at 1:04 pm.

I. Roll Call

Present were Commissioners Nomellini, Torres-O’Callaghan, Herrick, Holbrook, Elizabeth, Hartmann, Panzer, Neudeck, and Gau; Alternates Reyna-Hiestand and Valente; Secretary Zidar and Chairman McGurk. Also in attendance were Commissioners Breitenbucher and Winn who arrived after roll call was completed.

Others present are listed on the Attendance Sheet. The Commission had a quorum.

II. Approval of Minutes for the January 19, 2022 Meeting

Commissioner John Herrick made the motion and Commissioner Thomas Gau second to approve the minutes of January 19, 2022.
With none opposed, the motion passed.

SCHEDULED ITEMS

Chairman McGurk of the Advisory Water Commission (AWC), led the agenda.

III. Discussion Items / Action Items:

- A. Discussion and Possible Action to Adopt Resolution R-22-XX Determining to Conduct Meetings Using Teleconferencing Pursuant to Government Code 54953 as Amended by AB 361

Secretary Matt Zidar reminded the group for the need to approve the resolution every 30 days.

Commissioner John Herrick made the motion and Alternate Commissioner Joe Valente second to approve the resolution R-22-XX, allowing for teleconferencing.

With none opposed, the motion passed.

- B. Mitigation Banking Needs and Approaches for San Joaquin County – Examples, Need, and Opportunity

Secretary Zidar provided a brief overview of the mitigation banking needs/approaches and of the initial meeting with the small working group.

Commissioner Herrick discussed the proposed Paradise Cut Expansion and South Delta Restoration Program, providing an overview of the program. Commissioner Herrick noted the inclusion of new and restored habitat, as well as the establishment of a comprehensive list for the future.

Commissioner Hartmann provided details on current and past mitigation projects, noting the process of a Maintenance Fund and whether Government Agencies should be required to have them.

The group discussed mitigation credits, the costs associated, the AWC role, and the position of COG in mitigation. The group additionally discussed the formation of a small workgroup to move forward with discussions on mitigation locations and projects. It was noted that a workgroup formation, meeting, and staff report should be completed for the March or April meeting.

C. Drinking Water and Well Drought Impacts, Issues, and Opportunities

Secretary Zidar provided an overview of AB685 – Human Right to Water (HR2W) and provided the floor to Melissa Sparks-Kranz with the Department of Water Resources (DWR) to provide additional information.

Ms. Sparks-Kranz provided an overview of DWR’s Final Groundwater Management and Drinking Water Well Principles and Strategies, released at the end of 2021, which is part of DWR’s role in the State’s drought proclamation. It was noted that this document was created to be a broad document rather than a technical document. Ms. Sparks-Kranz reviewed Interagency Coordination, the 2021 public outreach efforts, and public engagement processes. The public engagement process included public listening sessions, concept workshop, and public comment period and webinar. Ms. Sparks-Kranz presented slides reviewing DWR’s six Principles and Strategies or categories. The six principles were identified as achieving drinking water resilience, integrating equity, addressing underlying challenges, leading with best available data, building trusted relationships, and implementing lasting solutions.

Ms. Sparks-Kranz noted that DWR is focused on developing drinking water mitigation guidance for the public. Additionally noted was the public’s request for resources and programs to be made available for strategies and the final document’s inclusion of such a resource list.

Commissioner Elizabeth noted how thoroughly happy she is that this information is being shared, as it is going to become a critical part of the drought for domestic well users. Commissioner Elizabeth noted the need to contact the OES Offices of Counties, as they are also playing a role in drought planning efforts. Ms. Sparks-Kranz advised that the staff heading SB552 are reaching out to Counties for discussion.

D. American River Water Right – SWRCB Administrative Hearing Officer Recommended Cancellation of Application

Secretary Zidar provided a status report on the American River Water Right and the hearing results and next steps. Secretary Zidar noted, the Administrative Hearing Officer recommended to cancel the application due to the applicant not complying with set deadlines and failing to meet due diligence requirements. Secretary Zidar advised that any comments to the State Water Resources Control Board (SWRCB) needed to be submitted by February 28th. It was noted that the lessons of the American River need to be considered as applicable to the Mokelumne River filing, and that it is in everyone’s interest to get moving on project development to make use of the Mokelumne Water right or risk losing the application.

E. Eastern San Joaquin Groundwater Sustainability Agency – Sustainable Groundwater Management Act (SGMA) Implementation Grant Application

Secretary Zidar provided an overview of the SGMA Grant Application being submitted by the ESJ GWA, noting the call for projects and the three components/projects selected, as well as the grant award amounts and what was requested. Secretary Zidar reviewed each project and provided details on the sponsor agency, costs, and plan.

Secretary Zidar noted that Project 1 from San Joaquin County GSA directly relates to the Mokelumne River Water Power Authority (MRWPA) and how the project will benefit the position and progress on the MRWPA Water Right Application.

IV. Staff Reports

A. SJAFCA

Mr. Chris Elias with SJAFCA, provided a brief staff report on the Mossdale Tract Program Enhanced Infrastructure Financing District (EIFD) Update. Mr. Elias provided details on the background of the EIFD, noting it is a new financing tool, brought by growth in property taxes from new development to assist funding on projects. Additionally, details on the EIFD formation process, actions to be considered, agencies included, boundaries, and costs were provided. Mr. Elias noted that there is a proposed 22.5 million dollars towards the 270-million-dollar project. Mr. Elias discussed the newly formed EIFD Board versus the SJAFCA Board and provided an outline of the EIFD Board Members, noting their first meeting would be held February 17th. Mr. Elias noted that the EIFD is a very important tool SJAFCA is creating to meet SB 5 requirements and hope to have the process completed by May 2022.

Commissioner Elizabeth questioned the process for filling the vacant Public Member position, notice posted, application process, and the term. Mr. Elias advised that the notice was posted on the SJAFCA website, and the position is open to anyone within the mapped area. Commissioner Holbrook asked to receive a copy of the mapped area. Mr. Elias advised he would work with Matt to get it out.

B. San Joaquin County (SJC)

Secretary Zidar presented the SJC staff report, providing details on the following items.

- The status of Groundwater Report preparation, noting that all outstanding reports are in final review and will be available for the next meeting.
- The current drought conditions, noting the current and historical precipitation and snow figures. Secretary Zidar added that January was a record in dry months.
- The reservoir storage levels for the past years and current.
- The current and seasonal Groundwater Levels via the DWR website. Secretary Zidar provided mapping and data graphs, showing the monitoring well data on both the 10 year and 20-year trends.

- The Household Water Supply Shortage Reporting System, noting it consists of self-reported dry wells.

Secretary Zidar provided time for questions.

Mr. Brandon Nakagawa of SSJID, noted that after conversations with the SJC Environmental Health Department (EH), it was found that not all the dry wells reported were from self-reporting and that the newer reporting occurred from information EH received from permitting and other issues. It was suggested that EH put forth some additional resources for accuracy. Commissioner Elizabeth added that when EH had a change in Directors, no new well information was posted for some time and that there needed to be a GIS database created to store and track information. Commissioner Elizabeth noted that the My Dry website link is not included on the EH website, despite attempts to have it added.

V. **Public Comment: Public comments, adopted by the Advisory Water Commission on January 17, 2018, will be limited to 3-minutes, unless extended to the discretion of the Chair.**

None provided.

VI. **Commissioner Comments:**

Commissioner Gau questioned the Oath of Office and if he was required to complete again. Ms. Kristy Smith with San Joaquin County advised that he was not required to submit again and added that the San Joaquin County Clerk of the Board's Office sent emails to anyone required.

Ms. Smith additionally reminded the group of the 2021 Form 700 that is due by each member.

VII. **Future Agenda Items:**

The following items were noted for the March meeting agenda.

- Annual selection of the Chairman and Vice Chairman.

Next Regular Meeting: March 16, 2022 at 1:00 p.m.
Location TBD

VIII. **Adjournment:**

Chairman McGurk Adjourned the meeting at 3:04 p.m.



**SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

**ADVISORY WATER COMMISSION
MEETING OF FEBRUARY 16, 2022**

ATTENDANCE SHEET

INITIAL	NAME	AFFILIATION	E-MAIL ADDRESS	PHONE
<i>Present</i>	Nomellini, Dante J	CDWA		
	Nomellini, John Dante Jr	CDWA		
	Roberts, Reid	CSJWCD		
	Thompson, Grant	CSJWCD		
	Alves, Edward B	City of Escalon		
	Laugero, Jeff	City of Escalon		
<i>Present</i>	Torres-O'Callaghan, Jennifer	City of Lathrop		
	Lazard, Diane	City of Lathrop		
	Swimley, Charlie Jr	City of Lodi		
	Richle, Andrew	City of Lodi		
<i>Present</i>	Breitenbucher, David	City of Manteca		
		City of Manteca		
	De Graff, Daniel	City of Ripon		
	Uecker, Dean	City of Ripon		
	Wright, Dan	City of Stockton		

	Canepa, Paul	City of Stockton		
	Sharma, Kuldeep	City of Tracy		
Present	Reyna-Hiestand, Stephanie	City of Tracy		
	Starr, Charlie	NSJWCD		
Present	Valente, Joe	NSJWCD		
	Doornenbal, Herman	OID		
Present	Sup. Winn, Chuck	BOS		
	Sup. Miller, Kathy	BOS		
Present	Herrick, John	SDWA		
	Dean Ruiz	SDWA		
Present	Holbrook, John	SSJID		
Present	Weststeyn, Mike	SSJID		
	Weisenberger, David	SW County		
	Christensen, Anders	WID		
		WID		
Present	Elizabeth, Mary	Enviro/Fish/Wildlife Org		
Present	Hartmann, George	Urban Flood Control RD		
Present	Panzer, Michael	Urban Flood Control RD		
	Price, Willard	General Business Community		
Present	Neudeck, Christopher	Building & Construction Industry		
Present	Zidar, Matt	Secretary		
Present	Gau, Thomas	At Large Rep		
Present	Henneberry-Schermesser, Annette	At Large Alternate		

Present	Chairman McGurk, Thomas	SEWD		
	Sanguinetti, Paul	SEWD		
Present	Balaji, Kris	San Joaquin County		
Present	Buchman, Fritz	San Joaquin County		
	Myles, Mark	County Counsel		
Present	Kirin Virk	County Counsel		
Present	Kristy Smith	San Joaquin County		



SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER
CONSERVATION DISTRICT

ADVISORY WATER COMMISSION
MEETING OF FEBRUARY 16, 2022

ATTENDANCE SHEET

NAME	AFFILIATION	E-MAIL ADDRESS	PHONE
Chris Elias	SJAFCOA		
Jeremiah Mechem	Cal Water		
Elba	elb Manteca		
Melissa Sparks-Klutz	DWR		
Grace Su			
Scot Moody	SEWD		
Nithnell Maidrand	Clb Stockton		
Chelsea Spier	DWR		
Brandon Nakagawa	SSJD		
Betty Wilson			
Jose Coronado	SJC PWS		
Tiffany Heyer	DES		
Glen Prasad	SJC PWS		
Tom Fliinn	NSJWCD		
Dwelle Allen	DES		

2021 ADVISORY WATER COMMISSION ROSTER, ROLL CALL & VOTE SHEET

(5 members necessary for quorum)

AGENCY	COMM	TERM	ALT	TERM	MONTHS															
					JAN 19	FEB 16	MAR 16	APR 20	MAY 18	JUN 15	JUL 20	AUG 17	SEP 21	OCT 19	NOV 16	DEC 21				
CDWA	Nomellini, Dante J.	12/11/23	Nomellini, John Dante, Jr	12/11/23	X	Y														
CSJWCD	Roberts, Reid	12/12/22	Thompson, Grant	12/12/22	X															
City of Escalon	Alves, Edward B.	02/25/24	Laugero, Jeff	02/25/24																
City of Lathrop	Torres-O'Callahan, Jenniefe	12/12/22	Lazard, Diane	12/12/22	X	Y														
City of Lodi	Swimley, Jr., Charlie	02/22/21	Richie, Andrew	02/22/21	X															
City of Manteca	Breitenbacher, David	03/13/23			X															
City of Ripon	de Graaf, Daniel	06/28/25	Uecker, Dean	06/28/25	X															
City of Stockton	Dan Wright	03/14/23	Canepa, Paul	03/14/23																
City of Tracy	Sharma, Kuldeep	01/16/23	Reyna-Hiestand, Stephanie	01/16/23		Y														
NSJWCD	Starr, Charlie	12/11/23	Valente, Joe	12/11/23		Y														
OID	VACANT		VACANT																	
BOS	Sup. Winn, Chuck	12/31/22	Sup. Miller, Kathy	12/31/22	X															
SDWA	Herrick, John	01/27/24	Ruiz, Dean	01/27/24	X	Y														
SSJID	Holbrook, John	01/18/25	Weststeyn, Mike	01/18/25	X	Y														
SJW County	Weisenberger, David	09/26/18	VACANT																	
WID	Christensen, Anders	12/12/22	VACANT																	
Enviro/Fish/Wildlife Org	Elizabeth, Mary	03/13/23	N/A		X	Y														
Urban Flood Control RD	Hartmann, George	08/20/23	N/A		X	Y														
Urban Flood Control RD	Panzer, Michael	08/20/23	N/A		X	Y														
General Bus Com	Price, Will	08/21/23	N/A																	
Bldg & Constr Industry	Neudeck, Christopher	08/20/23	N/A			Y														
SECRETARY	Zidar, Matt	N/A	N/A		X	Y														
At-Large Rep	Gau, Thomas	01/16/23	Annette Henneberry Schermesser	01/16/23	X	Y														
CHAIRMAN	SEWD McGurk, Thomas	12/11/23	SEWD Sanguinetti, Paul	12/11/23	X	Y														
STOP HERE ON ROLL CALL																				
CA Water	vice Co	VACANT	PERM																	

Motion: Herrick 2nd: Gau Approved

II.

2021 ADVISORY WATER COMMISSION ROSTER, ROLL CALL & VOTE SHEET

(5 members necessary for quorum)

III . A

AGENCY	COMM	TERM	ALT	TERM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					19	16	16	20	18	15	20	17	21	19	16	21
CDWA	Nomellini, Dante J. *	12/11/23	Nomellini, John Dante, Jr	12/11/23	X	Y										
CSJWCD	Roberts, Reid	12/12/22	Thompson, Grant	12/12/22	X											
City of Escalon	Alves, Edward B. *	02/25/24	Laugero, Jeff	02/25/24												
City of Lathrop	Torres-O'Callahan, Jennifer *	12/12/22	Lazard, Diane	12/12/22	X	Y										
City of Lodi	Swimley, Jr., Charlie	02/21/21	Richle, Andrew	02/21/21	X											
City of Manteca	Breitenbucher, David *Vote	03/13/23			X											
City of Ripon	de Graaf, Daniel	06/28/25	Uecker, Dean	06/28/25	X											
City of Stockton	Dan Wright	03/14/23	Canepa, Paul	03/14/23												
City of Tracy	Sharma, Kuldeep	01/16/23	Reyna-Hlestand, Stephanie *	01/16/23		Y										
NSJWCD	Starr, Charlie	12/11/23	Valente, Joe *	12/11/23		Y										
OID	VACANT		VACANT													
BOS	Sup. Winn, Chuck *Vote	12/31/22	Sup. Miller, Kathy	12/31/22	X											
SDWA	Herrick, John *	01/27/24	Ruiz, Dean	01/27/24	X	Y										
SSJID	Holbrook, John *	01/18/25	Weststeyn, Mike	01/18/25	X	Y										
SW/County	Weisenberger, David	09/26/18	VACANT													
WID	Christensen, Anders	12/12/22	VACANT													
Enviro/Fish/Wildlife Org	Elizabeth, Mary *	03/13/23	N/A		X	Y										
Urban Flood Control RD	Hartmann, George *	08/20/23	N/A		X	Y										
Urban Flood Control RD	Panzer, Michael *	08/20/23	N/A		X	Y										
General Bus Com	Price, Will	08/21/23	N/A													
Bldg & Constr Industry	Neudeck, Christopher *	08/20/23	N/A			Y										
SECRETARY	Zidar, Matt *	N/A	N/A		X											
At-Large Rep	Gau, Thomas *	01/16/23	Annette Henneberry Schermesser	01/16/23	X	Y										
CHAIRMAN	SEWD McGurk, Thomas *	12/11/23	SEWD Sanguinetti, Paul	12/11/23	X	Y										
STOP HERE ON ROLL CALL																
CA Water	vice Co	VACANT	PERM													

Motion: Herrick 2nd: Valente Approved



SAN JOAQUIN
— COUNTY —
Greatness grows here.



Advisory Water Commission

April 20, 2022

Groundwater Reports

SJCFWCWD Groundwater Monitoring Program



- ❖ San Joaquin County Flood Control and Water Conservation District has been monitoring and reporting groundwater levels in the semi-annual groundwater report since the fall of 1971.
- ❖ Coordination with CalWater, EBMUD and DWR
- ❖ 249 wells are included in the Groundwater Report, most are monitored by County staff.
 - ❖ Exact number varies due to circumstances such as:
 - ❖ Destructions/Constructions
 - ❖ Accessibility issues
 - ❖ Bees in access opening
 - ❖ Dogs nearby
 - ❖ Locked wells
- ❖ Water Level: 237 wells
- ❖ Water Quality: 12 municipal and domestic supply wells
- ❖ Rainfall: 3 Stations
- ❖ Surface water: 7 Stations

San Joaquin County Annual Groundwater Reports

- ❖ Section 1 – Introduction
- ❖ Section 2 – Rainfall Distribution
- ❖ Section 3 – Surface Water Levels and Storage
- ❖ Section 4 – Groundwater Elevation Monitoring
- ❖ Section 5 – Groundwater Quality Monitoring



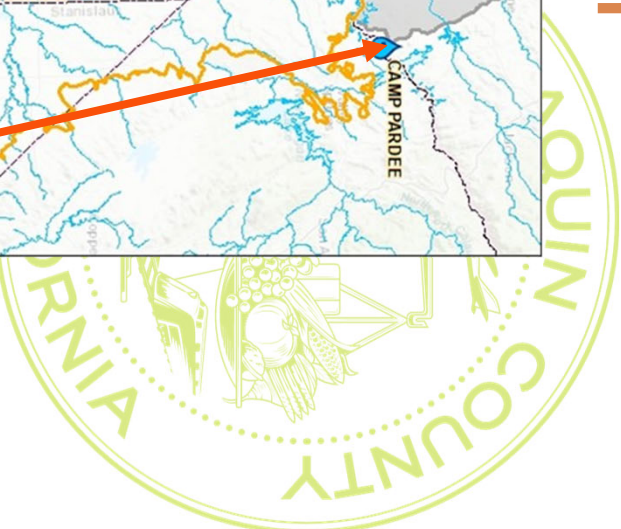
❖ Groundwater Reports available at:
<http://www.sjwater.org/Groundwater/Groundwater-Reports>

Section 1: Changes to the Annual Reports

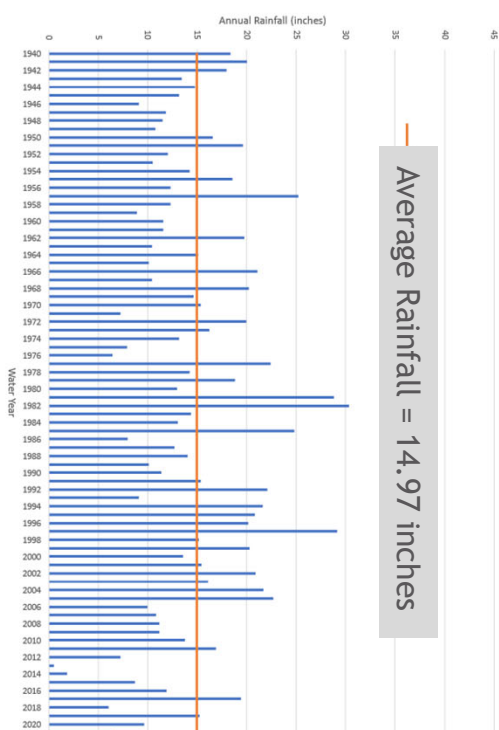
- Refined the list of wells used in older reports - by using wells used for local GSPs, other monitoring programs, and wells that are no longer monitored or have been destroyed.
- Added surface water reservoirs and river gages to give perspective of water year on all water systems.
- Revisions to the hydrographs to illustrate water year types.
- Expanded contouring efforts to include entire Eastern San Joaquin Subbasin area.

Also developed a county-wide Data Management System to more readily produce annual reports and access specific groundwater level data.

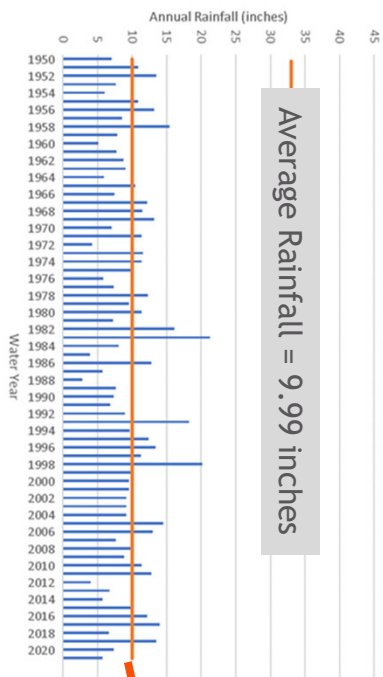
Section 2: Rainfall Distribution



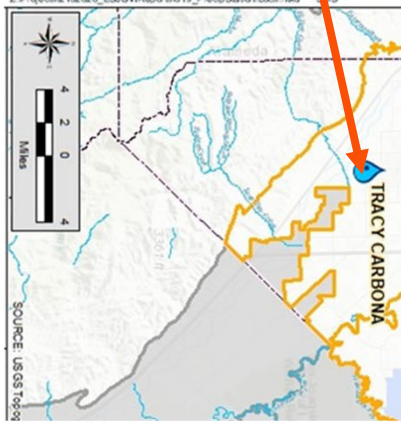
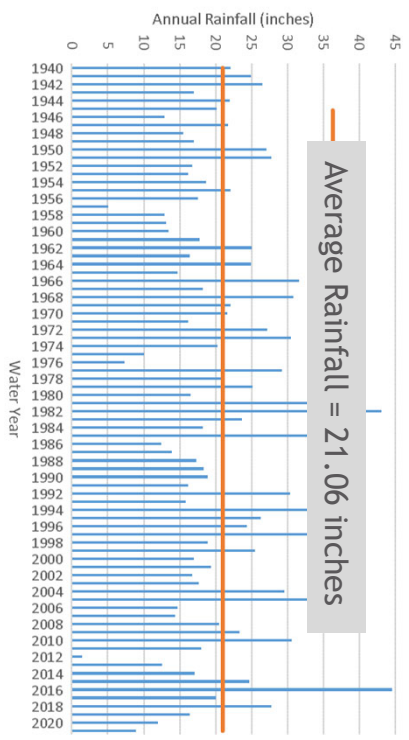
Total Water Year Rainfall (Stockton Fire Station)



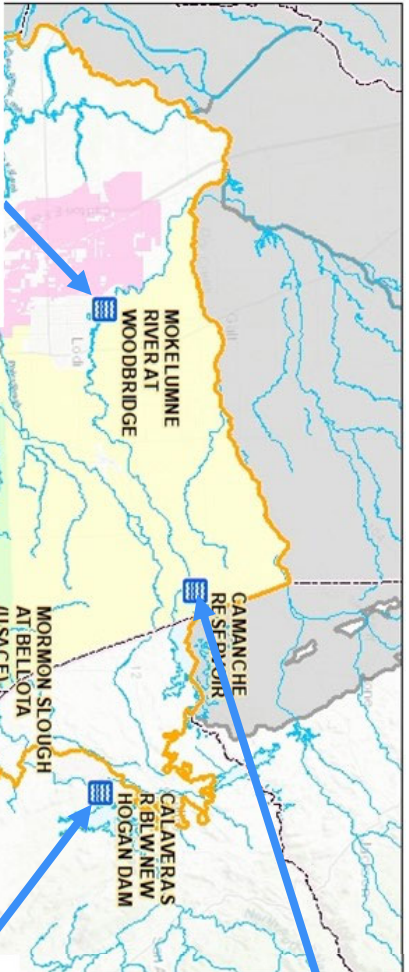
Total Water Year Rainfall (Tracy Carbona Station)



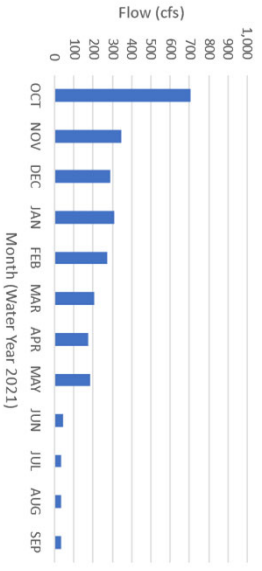
Total Water Year Rainfall (Camp Pardee Station)



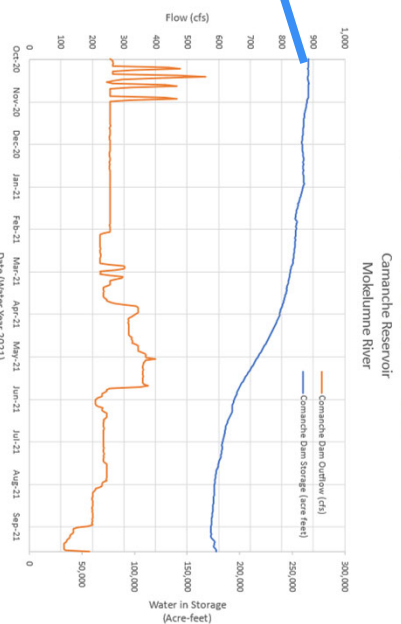
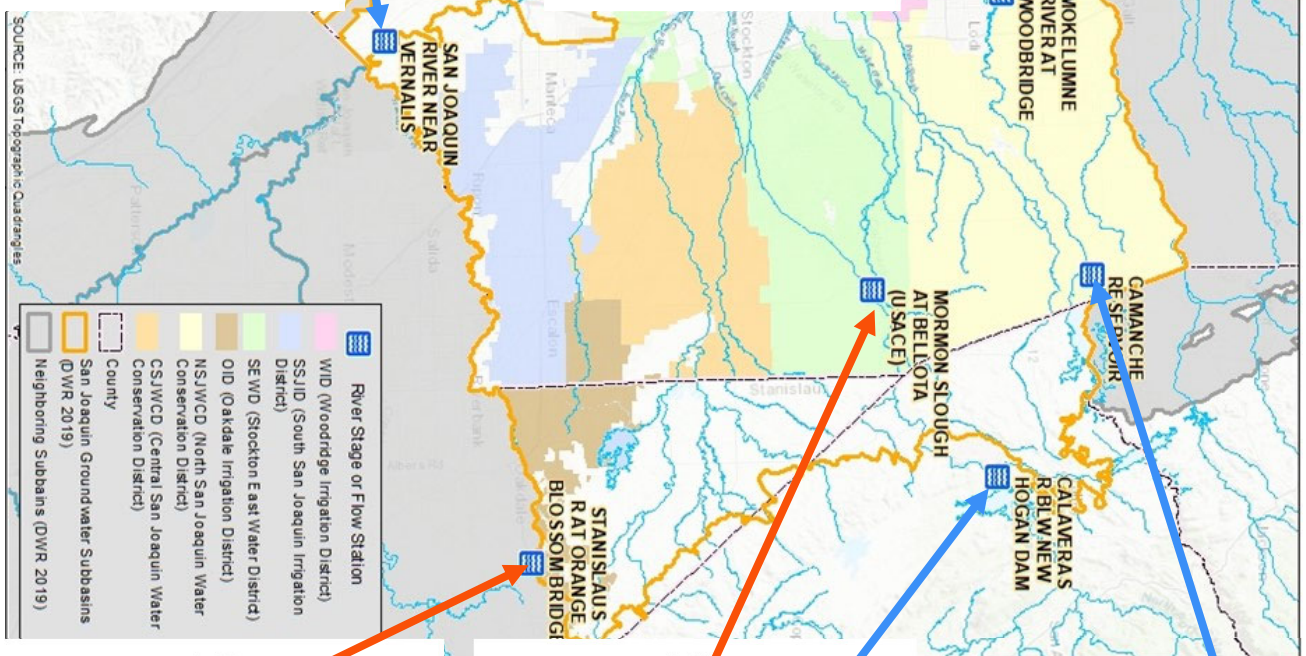
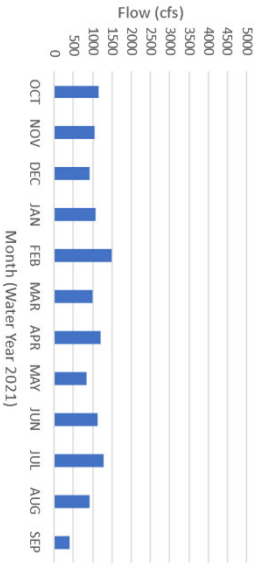
Section 3: Surface Water Distribution



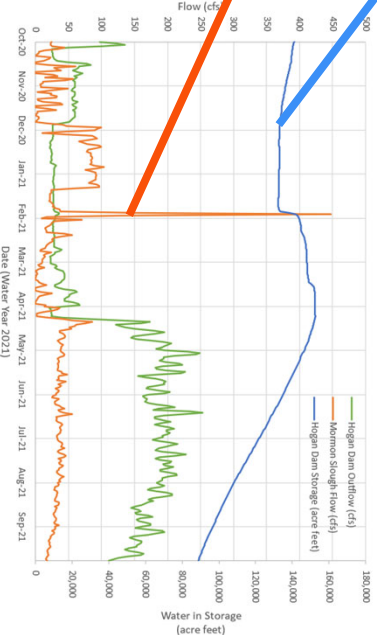
Monthly River Flowrate
(Mokelumne River at Woodbridge)



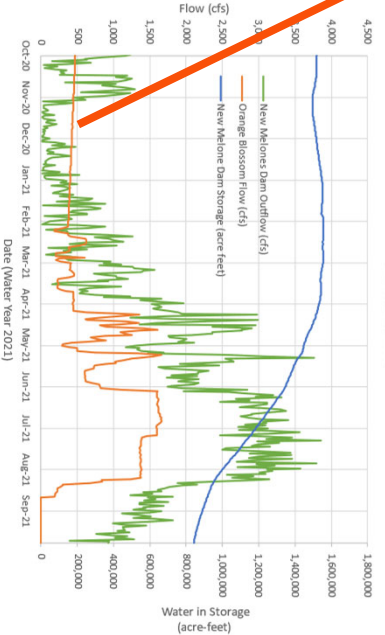
Monthly River Flowrate
(San Joaquin River at Vernalis)



New Hogan Dam & Bellota
Mormon Slough



New Melones Dam & Orange Blossom Flow Gage
Stanislaus River



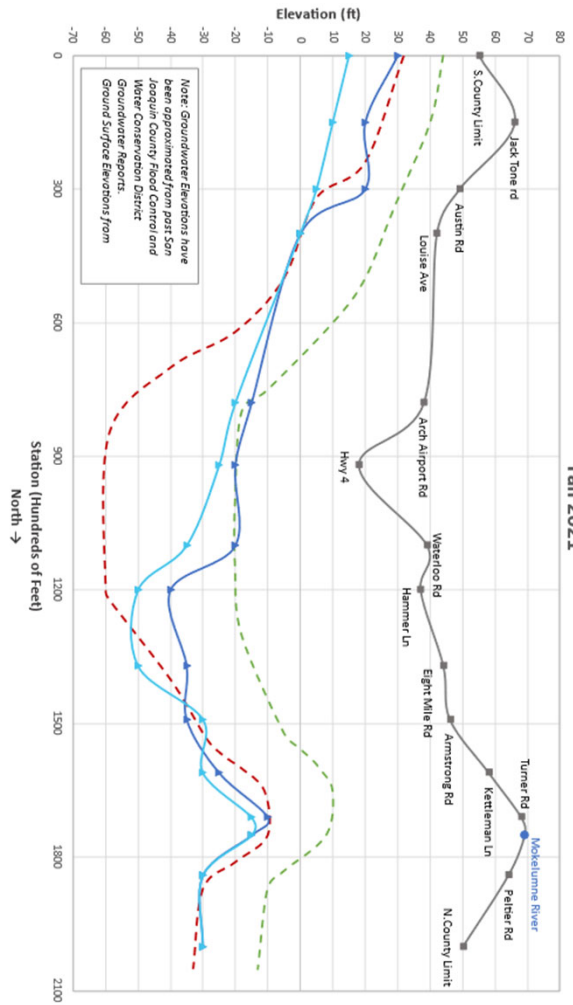
SOURCE: USGS Topograph; Quad ranges. (Water Year 2021)

Groundwater Level Changes

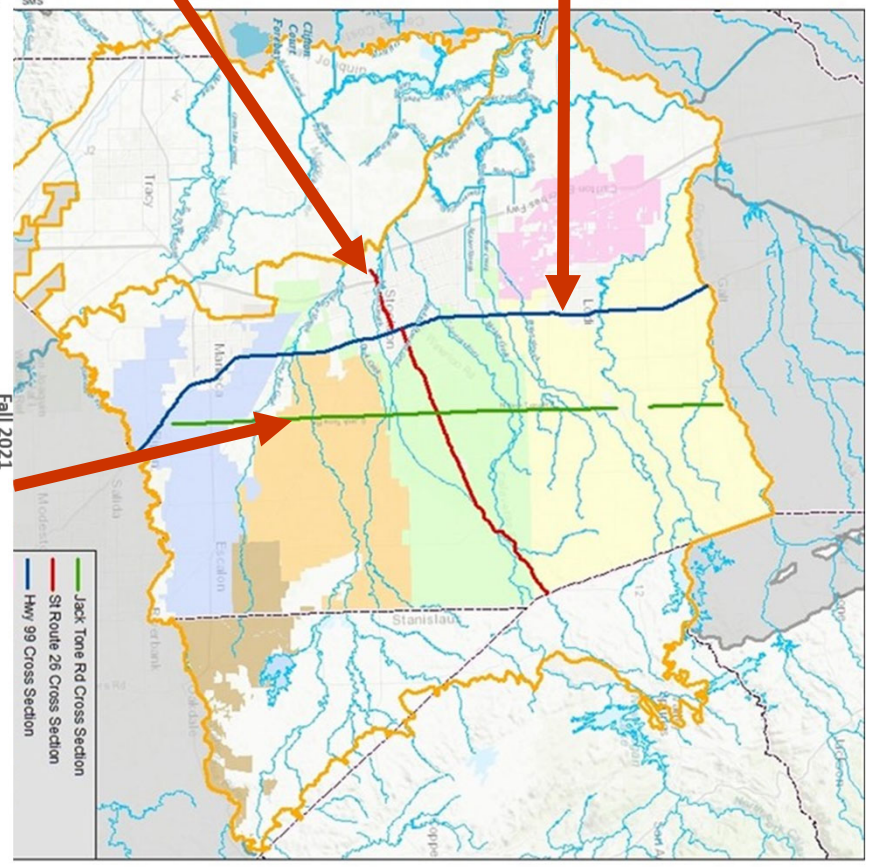
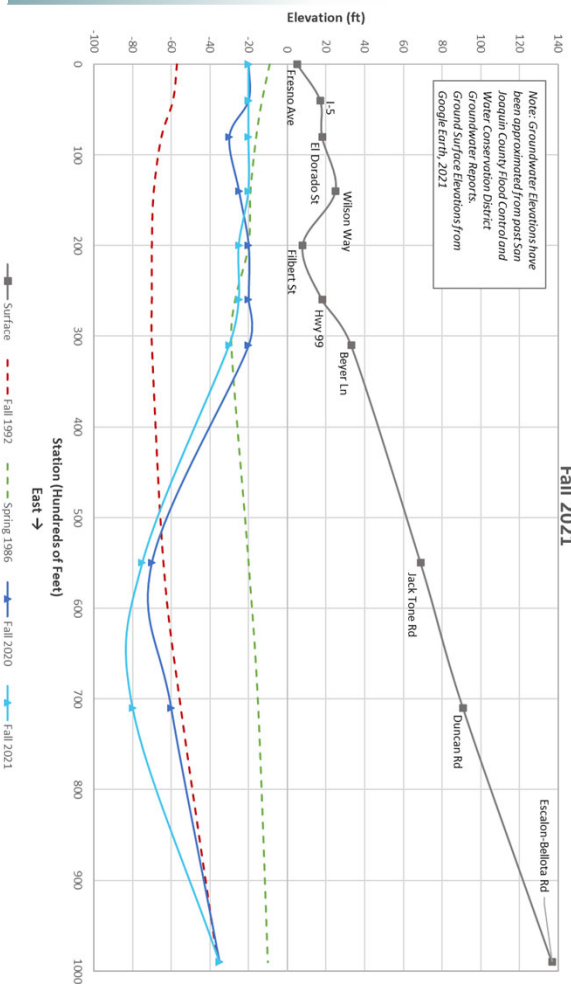


Groundwater Level Profiles

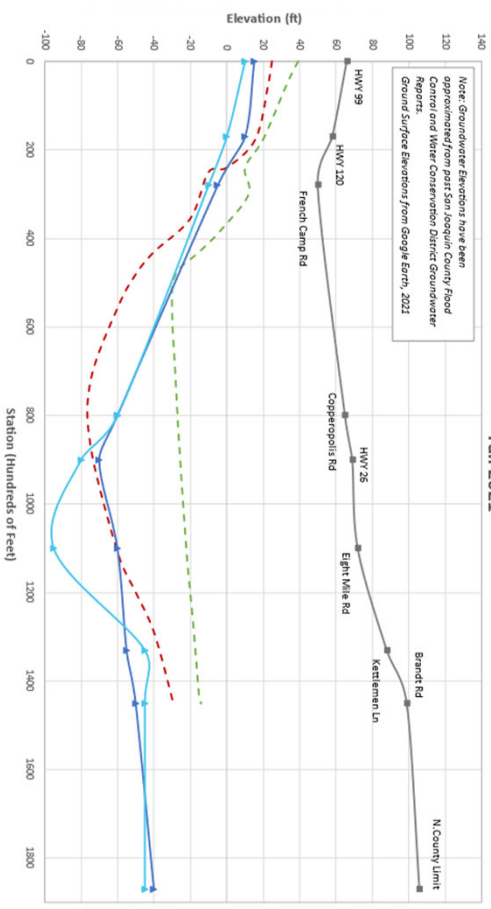
Fall 2021



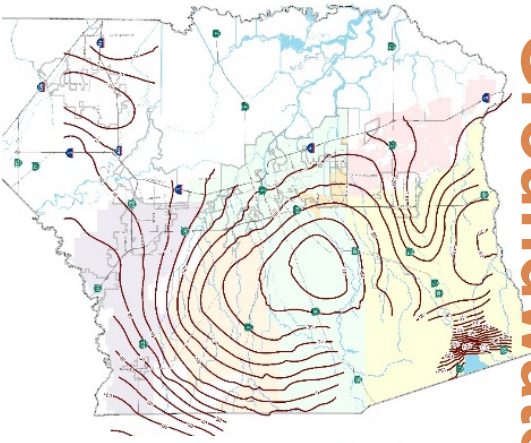
Fall 2021



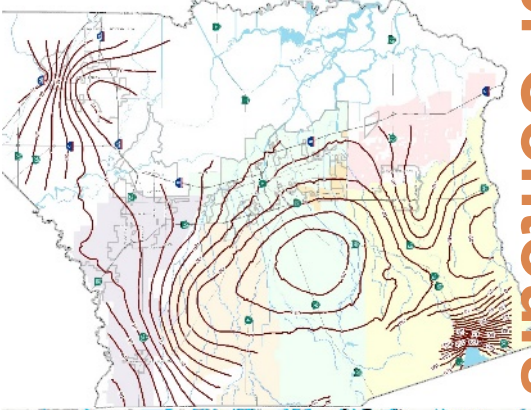
Fall 2021



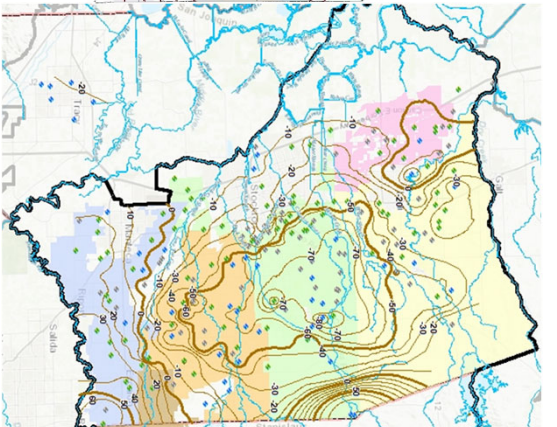
Groundwater Contours



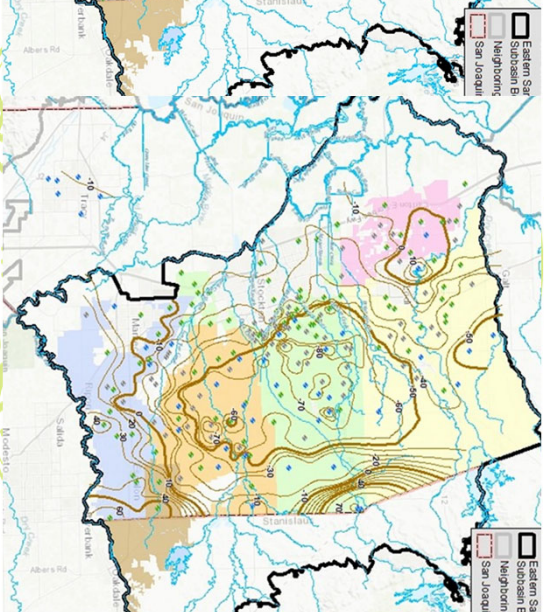
2015 - Critical WY



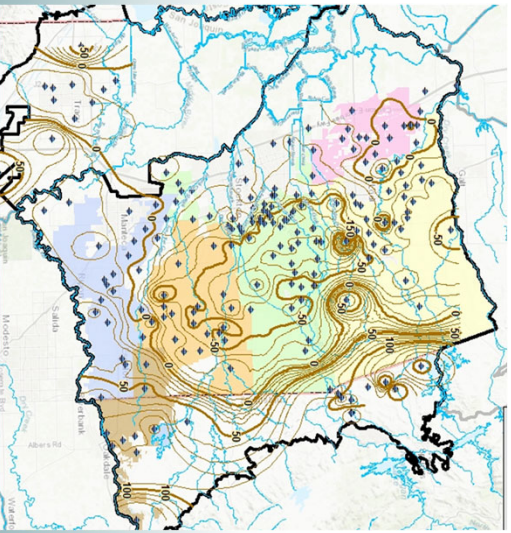
2016 - Dry WY



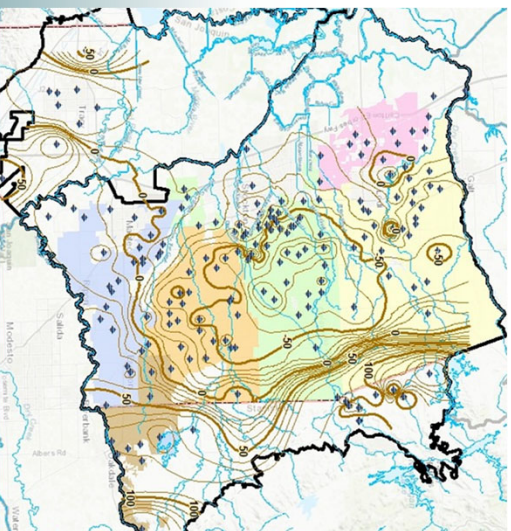
2017 - Wet WY



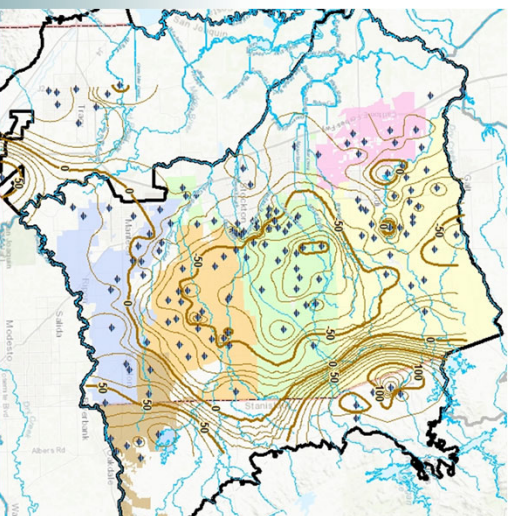
2018 - Below Normal WY



2019 - Wet WY

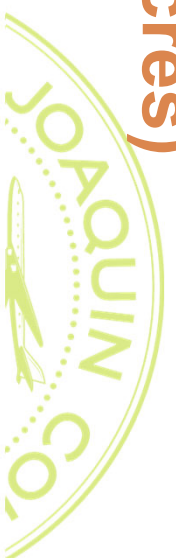


2020 - Dry WY



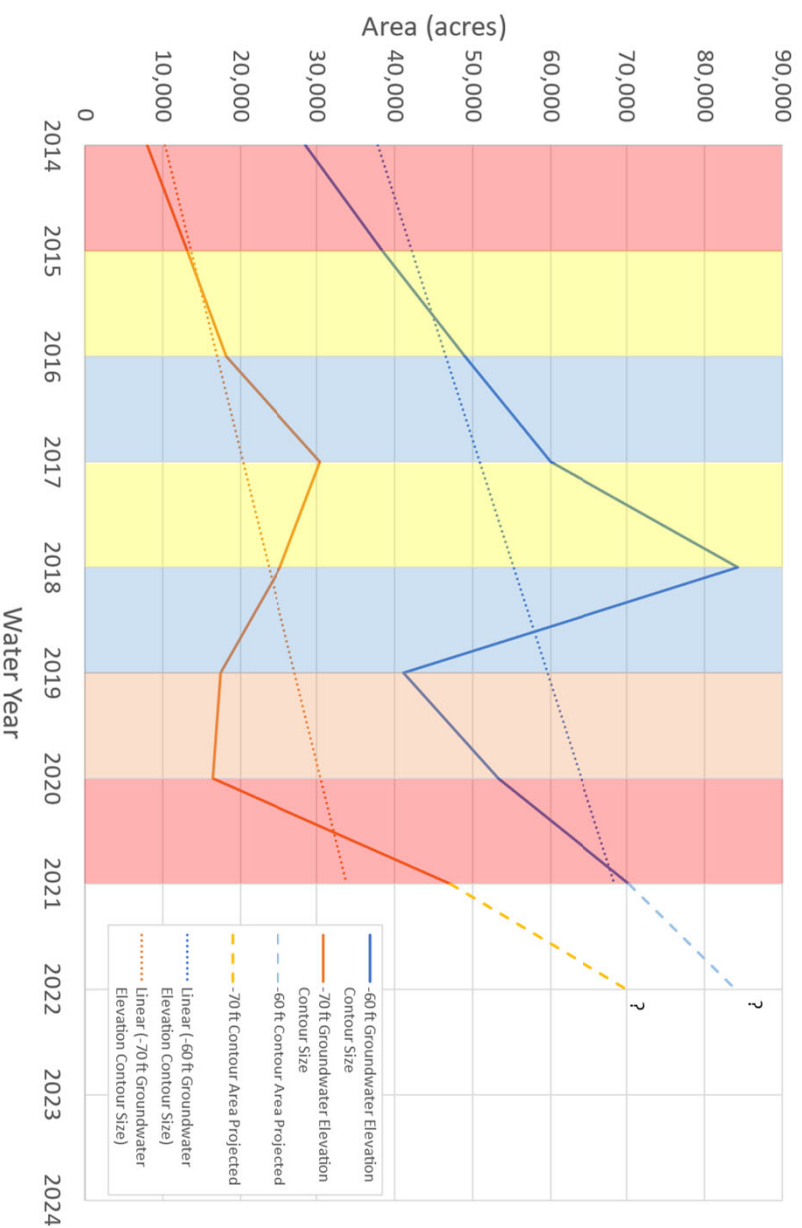
2021 - Critical WY

Groundwater Depression Sizes (Acres)

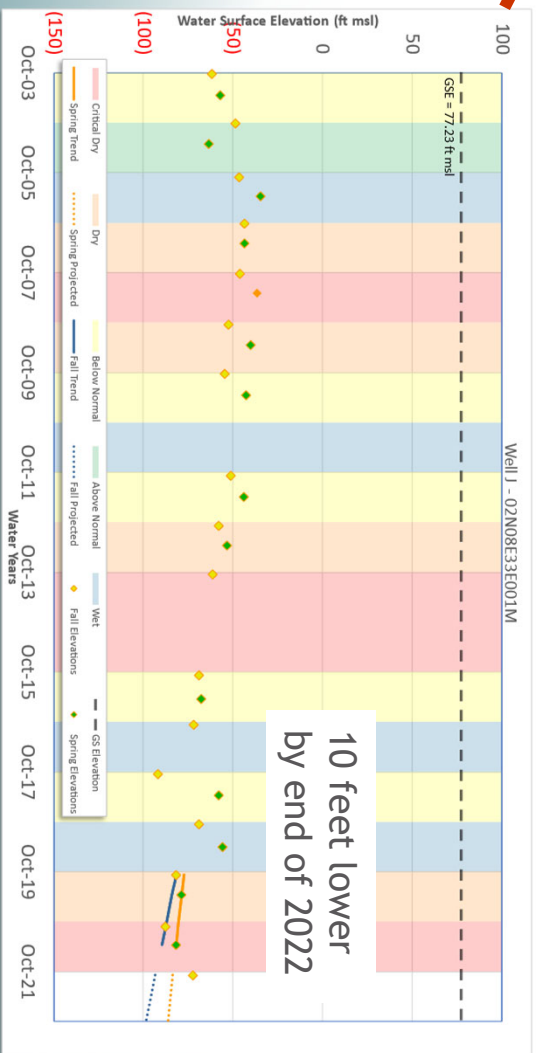
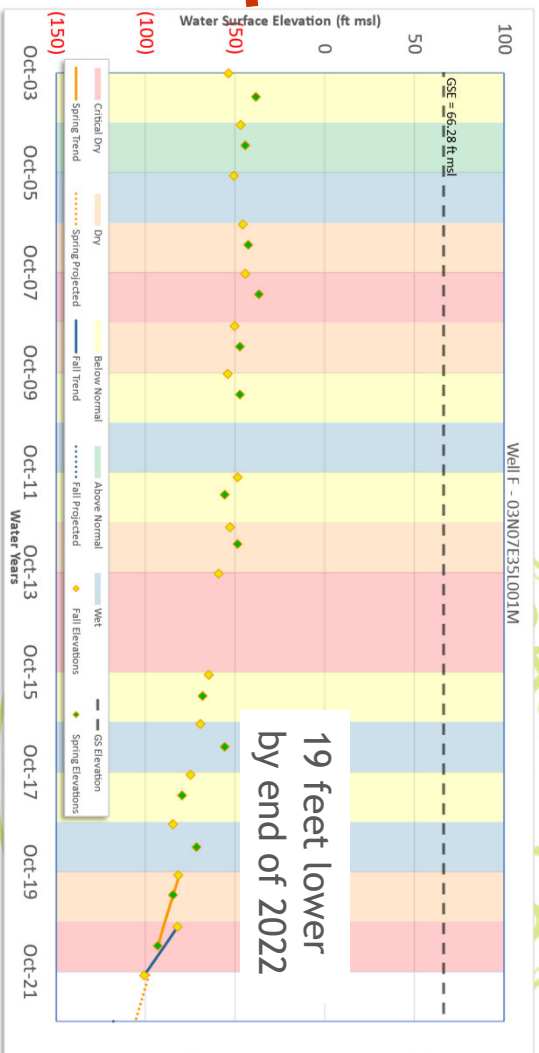
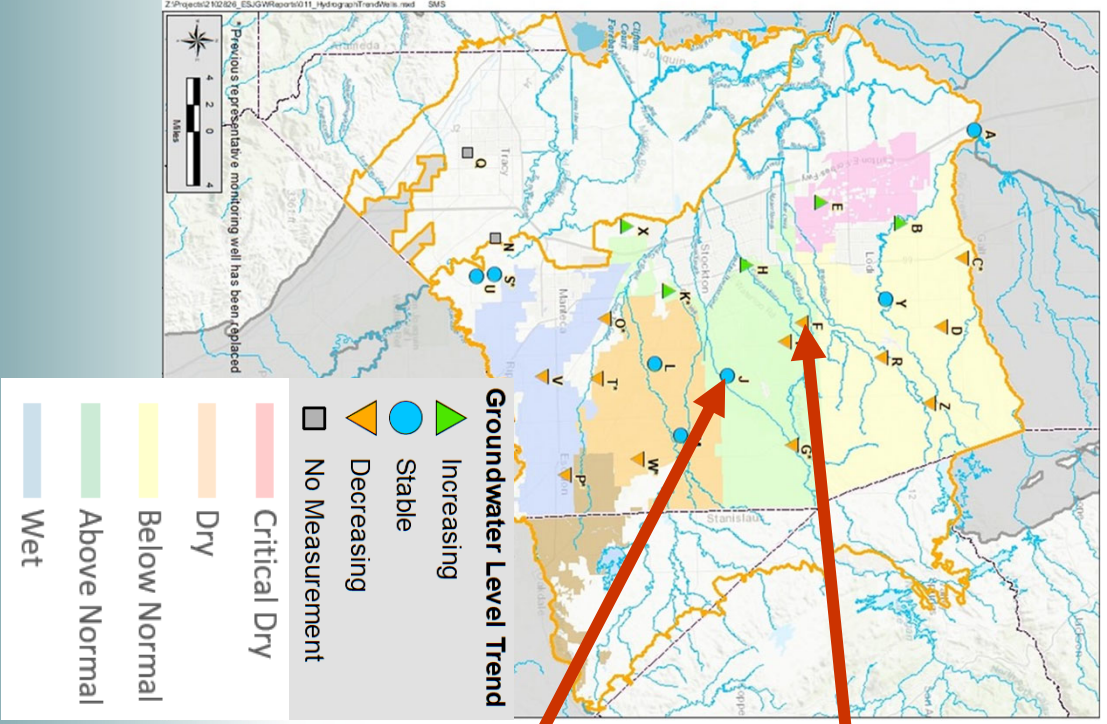


Groundwater Depression Sizes (Acres)
Water Years 2014-2021 & 2022 Projected

Fall Groundwater Depression Area			Water Year Type
Water Year	-60 ft	-70 ft	
2014	28,512	8,069	Critical
2015	38,422	13,206	Critical
2016	48,953	18,219	Dry
2017	60,000	30,300	Wet
2018	84,300	25,200	Below Normal
2019	41,050	17,500	Wet
2020	53,300	16,500	Dry
2021	70,200	47,100	Critical
2022	84,000	70,000	Projected



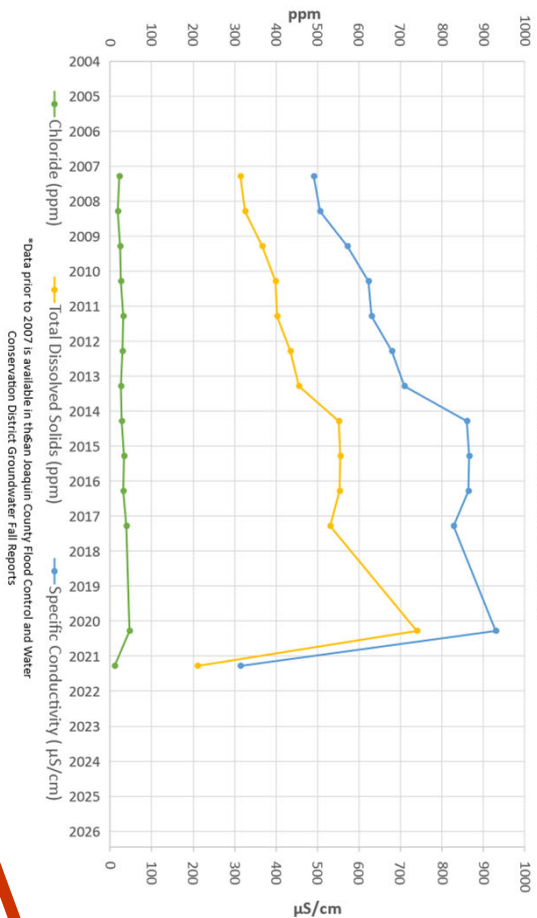
Future Projections



Section 5: Groundwater Quality

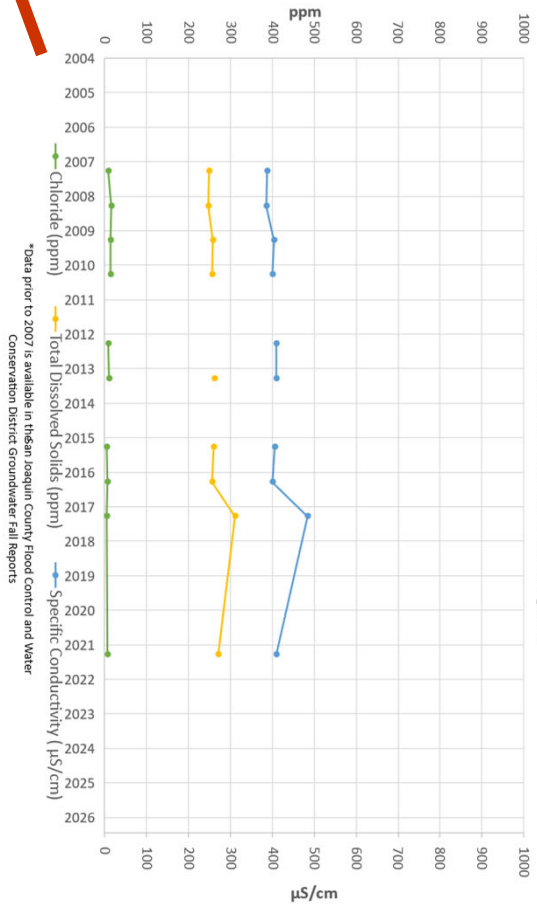
Well 8C1 - 02N06E08C001

Location: East of Thornton Rd. & South of Estate Dr.



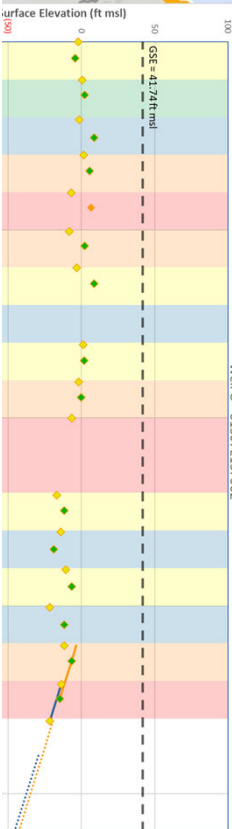
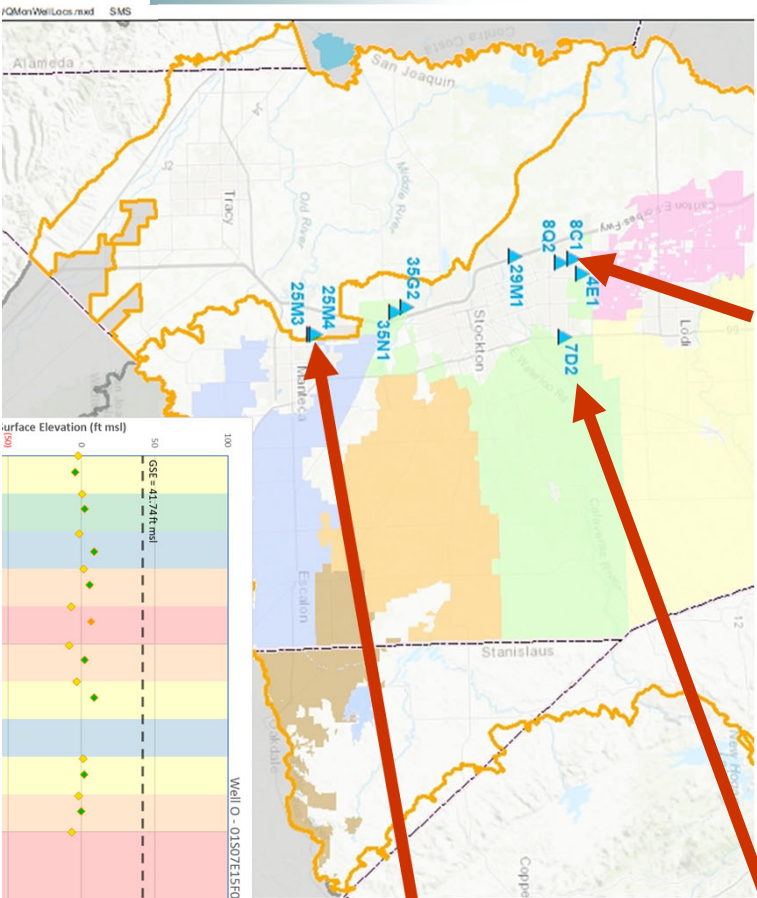
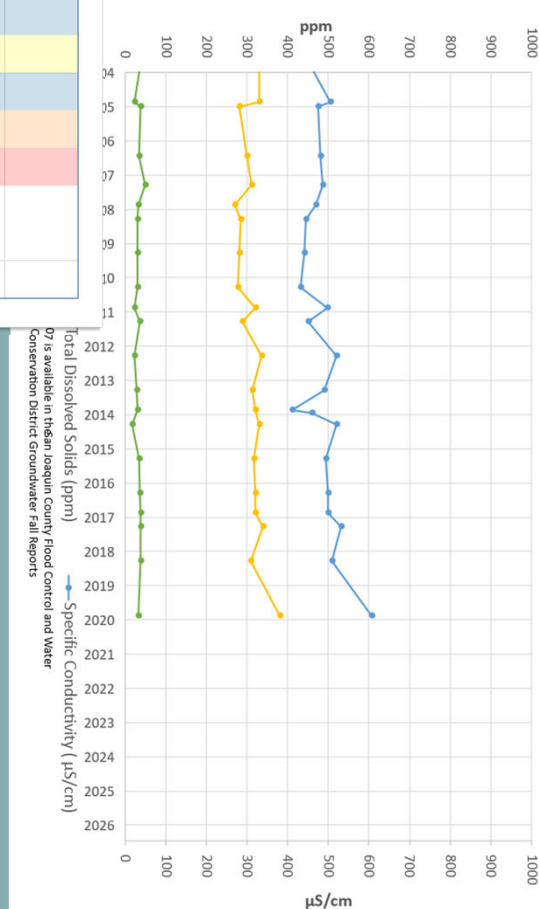
Well 7D2 - 02N07E07D002

Location: North of Morada Ln. & East of East Frontage Rd.



Well 25M4 - 01S06E25M004

Location: East of McKinley Ave. & South of Louise Ave.



Future enhancements to monitoring program

- **Budgeting transducers and dataloggers for auto uploads of GWL data**
- **Resolving access rights at privately owned wells**
- **Data Management System implementation**
- **Consistency with SGMA reporting**



EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA

EXECUTIVE ORDER N-7-22

WHEREAS on April 12, 2021, May 10, 2021, July 8, 2021, and October 19, 2021, I proclaimed states of emergency that continue today and exist across all the counties of California, due to extreme and expanding drought conditions; and

WHEREAS climate change continues to intensify the impacts of droughts on our communities, environment, and economy, and California is in a third consecutive year of dry conditions, resulting in continuing drought in all parts of the State; and

WHEREAS the 21st century to date has been characterized by record warmth and predominantly dry conditions, and the 2021 meteorological summer in California and the rest of the western United States was the hottest on record; and

WHEREAS since my October 19, 2021 Proclamation, early rains in October and December 2021 gave way to the driest January and February in recorded history for the watersheds that provide much of California's water supply; and

WHEREAS the ongoing drought will have significant, immediate impacts on communities with vulnerable water supplies, farms that rely on irrigation to grow food and fiber, and fish and wildlife that rely on stream flows and cool water; and

WHEREAS the two largest reservoirs of the Central Valley Project, which supplies water to farms and communities in the Central Valley and the Santa Clara Valley and provides critical cold-water habitat for salmon and other anadromous fish, have water storage levels that are approximately 1.1 million acre-feet below last year's low levels on this date; and

WHEREAS the record-breaking dry period in January and February and the absence of significant rains in March have required the Department of Water Resources to reduce anticipated deliveries from the State Water Project to 5 percent of requested supplies; and

WHEREAS delivery of water by bottle or truck is necessary to protect human safety and public health in those places where water supplies are disrupted; and

WHEREAS groundwater use accounts for 41 percent of the State's total water supply on an average annual basis but as much as 58 percent in a critically dry year, and approximately 85 percent of public water systems rely on groundwater as their primary supply; and

WHEREAS coordination between local entities that approve permits for new groundwater wells and local groundwater sustainability agencies is important to achieving sustainable levels of groundwater in critically overdrafted basins; and

WHEREAS the duration of the drought, especially following a multiyear drought that abated only five years ago, underscores the need for California to redouble near-, medium-, and long-term efforts to adapt its water management and delivery systems to a changing climate, shifting precipitation patterns, and water scarcity; and

WHEREAS the most consequential, immediate action Californians can take to extend available supplies is to voluntarily reduce their water use by 15 percent from their 2020 levels by implementing the commonsense measures identified in operative paragraph 1 of Executive Order N-10-21 (July 8, 2021); and

WHEREAS to protect public health and safety, it is critical the State take certain immediate actions without undue delay to prepare for and mitigate the effects of the drought conditions, and under Government Code section 8571, I find that strict compliance with various statutes and regulations specified in this Proclamation would prevent, hinder, or delay the mitigation of the effects of the drought conditions.

NOW, THEREFORE, I, GAVIN NEWSOM, Governor of the State of California, in accordance with the authority vested in me by the State Constitution and statutes, including the California Emergency Services Act, and in particular, Government Code sections 8567, 8571, and 8627, do hereby issue the following Order to become effective immediately:

IT IS HEREBY ORDERED THAT:

1. The orders and provisions contained in my April 21, 2021, May 10, 2021, July 8, 2021, and October 19, 2021 Proclamations remain in full force and effect, except as modified by those Proclamations and herein. State agencies shall continue to implement all directions from those Proclamations and accelerate implementation where feasible.
2. To help the State achieve its conservation goals and ensure sufficient water for essential indoor and outdoor use, I call on all Californians to strive to limit summertime water use and to use water more efficiently indoors and out. The statewide Save Our Water conservation campaign at SaveOurWater.com provides simple ways for Californians to reduce water use in their everyday lives. Furthermore, I encourage Californians to understand and track the amount of water they use and measure their progress toward their conservation goals.
3. By May 25, 2022, the State Water Resources Control Board (Water Board) shall consider adopting emergency regulations that include all of the following:
 - a. A requirement that each urban water supplier, as defined in section 10617 of the Water Code, shall submit to the Department of Water Resources a preliminary annual water supply and demand assessment consistent with section 10632.1 of the Water Code no later than June 1, 2022, and submit a final annual water

supply and demand assessment to the Department of Water Resources no later than the deadline set by section 10632.1 of the Water Code;

- b. A requirement that each urban water supplier that has submitted a water shortage contingency plan to the Department of Water Resources implement, at a minimum, the shortage response actions adopted under section 10632 of the Water Code for a shortage level of up to twenty percent (Level 2), by a date to be set by the Water Board; and
- c. A requirement that each urban water supplier that has not submitted a water shortage contingency plan to the Department of Water Resources implement, at a minimum, shortage response actions established by the Water Board, which shall take into consideration model actions that the Department of Water Resources shall develop for urban water supplier water shortage contingency planning for Level 2, by a date to be set by the Water Board.

To further conserve water and improve drought resiliency if the drought lasts beyond this year, I encourage urban water suppliers to conserve more than required by the emergency regulations described in this paragraph and to voluntarily activate more stringent local requirements based on a shortage level of up to thirty percent (Level 3).

- 4. To promote water conservation, the Department of Water Resources shall consult with leaders in the commercial, industrial, and institutional sectors to develop strategies for improving water conservation, including direct technical assistance, financial assistance, and other approaches. By May 25, 2022, the Water Board shall consider adopting emergency regulations defining “non-functional turf” (that is, a definition of turf that is ornamental and not otherwise used for human recreation purposes such as school fields, sports fields, and parks) and banning irrigation of non-functional turf in the commercial, industrial, and institutional sectors except as it may be required to ensure the health of trees and other perennial non-turf plantings.
- 5. In order to maximize the efficient use of water and to preserve water supplies critical to human health and safety and the environment, Public Resources Code, Division 13 (commencing with section 21000) and regulations adopted pursuant to that Division are hereby suspended, with respect to the directives in paragraphs 3 and 4 of this Order and any other projects and activities for the purpose of water conservation to the extent necessary to address the impacts of the drought, and any permits necessary to carry out such projects or activities. Entities that desire to conduct activities under this suspension, other than the directives in paragraphs 3 and 4 of this Order, shall first request that the Secretary of the Natural Resources Agency make a determination that the proposed activities are eligible to be conducted under this suspension. The Secretary shall use sound discretion in applying this Executive Order to ensure that the suspension serves the purpose of accelerating conservation projects that are necessary to address impacts of the drought, while at the same time

protecting public health and the environment. The entities implementing these directives or conducting activities under this suspension shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.

6. To support voluntary approaches to improve fish habitat that would require change petitions under Water Code section 1707 and either Water Code sections 1425 through 1432 or Water Code sections 1725 through 1732, and where the primary purpose is to improve conditions for fish, the Water Board shall expeditiously consider petitions that add a fish and wildlife beneficial use or point of diversion and place of storage to improve conditions for anadromous fish. California Code of Regulations, title 23, section 1064, subdivisions (a)(1)(A)(i)-(ii) are suspended with respect to any petition that is subject to this paragraph.
7. To facilitate the hauling of water for domestic use by local communities and domestic water users threatened with the loss of water supply or degraded water quality resulting from drought, any ordinance, regulation, prohibition, policy, or requirement of any kind adopted by a public agency that prohibits the hauling of water out of the water's basin of origin or a public agency's jurisdiction is hereby suspended. The suspension authorized pursuant to this paragraph shall be limited to the hauling of water by truck or bottle to be used for human consumption, cooking, or sanitation in communities or residences threatened with the loss of affordable safe drinking water. Nothing in this paragraph limits any public health or safety requirement to ensure the safety of hauled water.
8. The Water Board shall expand inspections to determine whether illegal diversions or wasteful or unreasonable use of water are occurring and bring enforcement actions against illegal diverters and those engaging in the wasteful and unreasonable use of water. When access is not granted by a property owner, the Water Board may obtain an inspection warrant pursuant to the procedures set forth in Title 13 (commencing with section 1822.50) of Part 3 of the Code of Civil Procedure for the purposes of conducting an inspection pursuant to this directive.
9. To protect health, safety, and the environment during this drought emergency, a county, city, or other public agency shall not:
 - a. Approve a permit for a new groundwater well or for alteration of an existing well in a basin subject to the Sustainable Groundwater Management Act and classified as medium- or high-priority without first obtaining written verification from a Groundwater Sustainability Agency managing the basin or area of the basin where the well is proposed to be located that groundwater extraction by the proposed well would not be inconsistent with any sustainable groundwater management program established in any applicable Groundwater Sustainability Plan adopted by that Groundwater Sustainability

Agency and would not decrease the likelihood of achieving a sustainability goal for the basin covered by such a plan; or

- b. Issue a permit for a new groundwater well or for alteration of an existing well without first determining that extraction of groundwater from the proposed well is (1) not likely to interfere with the production and functioning of existing nearby wells, and (2) not likely to cause subsidence that would adversely impact or damage nearby infrastructure.

This paragraph shall not apply to permits for wells that will provide less than two acre-feet per year of groundwater for individual domestic users, or that will exclusively provide groundwater to public water supply systems as defined in section 116275 of the Health and Safety Code.

10. To address household or small community drinking water shortages dependent upon groundwater wells that have failed due to drought conditions, the Department of Water Resources shall work with other state agencies to investigate expedited regulatory pathways to modify, repair, or reconstruct failed household or small community or public supply wells, while recognizing the need to ensure the sustainability of such wells as provided for in paragraph 9.
11. State agencies shall collaborate with tribes and federal, regional, and local agencies on actions related to promoting groundwater recharge and increasing storage.
12. To help advance groundwater recharge projects, and to demonstrate the feasibility of projects that can use available high water flows to recharge local groundwater while minimizing flood risks, the Water Board and Regional Water Quality Control Boards shall prioritize water right permits, water quality certifications, waste discharge requirements, and conditional waivers of waste discharge requirements to accelerate approvals for projects that enhance the ability of a local or state agency to capture high precipitation events for local storage or recharge, consistent with water right priorities and protections for fish and wildlife. For the purposes of carrying out this paragraph, Division 13 (commencing with section 21000) of the Public Resources Code and regulations adopted pursuant to that Division, and Chapter 3 (commencing with section 85225) of Part 3 of Division 35 of the Water Code and regulations adopted pursuant thereto are hereby suspended to the extent necessary to address the impacts of the drought. This suspension applies to (a) any actions taken by state agencies, (b) any actions taken by local agencies where the state agency with primary responsibility for the implementation of the directives concurs that local action is required, and (c) permits necessary to carry out actions under (a) or (b). The entities implementing these directives shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.
13. With respect to recharge projects under either Flood-Managed Aquifer Recharge or the Department of Water Resources Sustainable

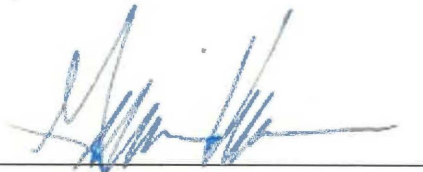
Groundwater Management Grant Program occurring on open and working lands to replenish and store water in groundwater basins that will help mitigate groundwater conditions impacted by drought, for any (a) actions taken by state agencies, (b) actions taken by a local agency where the Department of Water Resources concurs that local action is required, and (c) permits necessary to carry out actions under (a) or (b), Public Resources Code, Division 13 (commencing with section 21000) and regulations adopted pursuant to that Division are hereby suspended to the extent necessary to address the impacts of the drought. The entities implementing these directives shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.

14. To increase resilience of state water supplies during prolonged drought conditions, the Department of Water Resources shall prepare for the potential creation and implementation of a multi-year transfer program pilot project for the purpose of acquiring water from willing partners and storing and conveying water to areas of need.
15. By April 15, 2022, state agencies shall submit to the Department of Finance for my consideration proposals to mitigate the worsening effects of severe drought, including emergency assistance to communities and households and others facing water shortages as a result of the drought, facilitation of groundwater recharge and wastewater recycling, improvements in water use efficiency, protection of fish and wildlife, mitigation of drought-related economic or water-supply disruption, and other potential investments to support short- and long-term drought response.

IT IS FURTHER ORDERED that as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 28th day of March 2022.



GAVIN NEWSOM
Governor of California

ATTEST:

SHIRLEY N. WEBER, PH.D.
Secretary of State



San Joaquin County
**Flood Control & Water
Conservation District**

PO BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

KRIS BALAJI
DIRECTOR OF PUBLIC WORKS
FLOOD CONTROL ENGINEER

DATE: April 13, 2022

MEMO TO: Eastern Water Alliance
San Joaquin County Advisory Water Commission

FROM: Daniel de Graaf, District Engineer, North San Joaquin Water Conservation District
Glenn Prasad, Senior Civil Engineer, San Joaquin County
Grace Su, Associate Civil Engineer, East Bay Municipal Utility District

SUBJECT: Demonstration, Recharge, Extraction and Aquifer Management (DREAM) Project Status

SUMMARY

The DREAM Project is a pilot groundwater banking effort that is being conducted by San Joaquin County, North San Joaquin Water Conservation District (NSJWCD), Eastern Water Alliance (EWA), and East Bay Municipal Utility District (EBMUD). As of March 2022, construction of the new DREAM extraction facilities has been completed (Figure 1). Functional testing of the new facilities will occur in April and then startup testing will be conducted in the fall of 2022. The groundwater levels in the DREAM monitoring wells are being monitored by San Joaquin County.

DISCUSSION

The DREAM pilot provides NSJWCD with up to 1,000 acre-feet of EBMUD surface water from the Mokelumne River that participating landowners use for irrigation instead of pumping groundwater from the Easter San Joaquin Subbasin, thereby storing groundwater for future use. The DREAM groundwater export permit issued by San Joaquin County in 2017 allows EBMUD to draw up to half of the banked groundwater, minus five percent for annual losses, to use as supplemental supply. The other half will remain in the ESJ Subbasin to help replenish groundwater levels. EBMUD currently has 45 acre-feet of groundwater banked from the DREAM surface water deliveries to NSJWCD in 2018 and 2019. Due to drought conditions, no water was banked in 2020, 2021 or 2022.

Construction Status

The construction of the new DREAM extraction facilities was completed in March 2022. The DREAM Partners have had regular biweekly coordination meetings over the past year and good communication and teamwork among the Partners resulted in successful construction efforts.

NSJWCD Facilities: NSJWCD completed construction of the nearly 3-mile long DREAM pipeline from Well K-13 to EBMUD's aqueduct site. In addition, NSJWCD received a permit from the Central Valley Flood Protection Board (CVFPB) to install a temporary pipeline across Bear Creek bridge. NSJWCD is continuing to work with CVFPB to obtain the permit that will allow the permanent pipeline to be installed across the Bear Creek bridge.

EBMUD Facilities: EBMUD completed construction of their components which involved fabricating a complex booster pump system, installing new electrical systems that required significant coordination with PG&E, installing piping and two vaults to connect from NSJWCD’s pipeline into EBMUD’s aqueducts, and installing communications equipment at Well K-13 and the aqueduct site.

Construction was delayed by about 6 months due to pandemic related supply chain issues to procure parts for the booster pump system, delays with PG&E to install power at the aqueduct site, and rainy weather in December 2021 that prevented construction from occurring for most of the month. These delays are the reason that startup testing will not occur until fall of 2022.

Functional and Startup Testing

EBMUD will be conducting functional testing of the new extraction facilities in April to check that all the system components are performing according to the design. After October 1, 2022, startup testing of the new facilities will be performed to test the new facilities as groundwater is being delivered into EBMUD’s aqueduct for a period of up to two weeks. The DREAM export permit only allows groundwater to be exported between October 1 and March 31.

EBMUD received temporary approval from the Department of Drinking Water (DDW) to add groundwater from Well K-13 into EBMUD’s aqueduct during startup testing in the fall of 2022. Meanwhile, EBMUD is working with DDW to request modification of the approval to cover the remainder of the pilot after startup testing.

DREAM Monitoring Wells

The 4 monitoring wells that are to be monitored for groundwater levels for the DREAM Project were instrumented with pressure transducers and dataloggers in early December 2021 to continuously monitor groundwater levels. Due to the dry conditions since the beginning of 2022, an overall decreasing trend in groundwater levels has been observed in all the monitoring wells since January 2022, with some fluctuations in levels due to pumping from nearby irrigation wells.

PROJECT FUNDING

NSJWCD and San Joaquin County anticipate having sufficient funds remaining from the DREAM Project Funding Agreement to cover NSJWCD’s operational costs for the project and the County’s costs for continued monitoring of groundwater levels. EBMUD is covering costs associated with their portion of the pilot project that has exceeded the allocated amount as specified in the Funding Agreement through capital budget already approved by EBMUD’s Board.

NEXT STEPS

The DREAM Partners will coordinate with the Eastern Water Alliance and the Advisory Water Commission to set up a tour of the DREAM facilities this spring. The tour date is anticipated to occur in May or June.

The DREAM Project Agreement currently ends in July 2023, which is 5 years after Mokelumne River water was first provided by EBMUD to NJSWCD. The term can be extended by mutual agreement of NSJWCD, San Joaquin County, and EBMUD, which will be necessary because releases of the remaining EBMUD Mokelumne River water to NSJWCD are not possible in 2022 due to the ongoing dry hydrologic conditions.

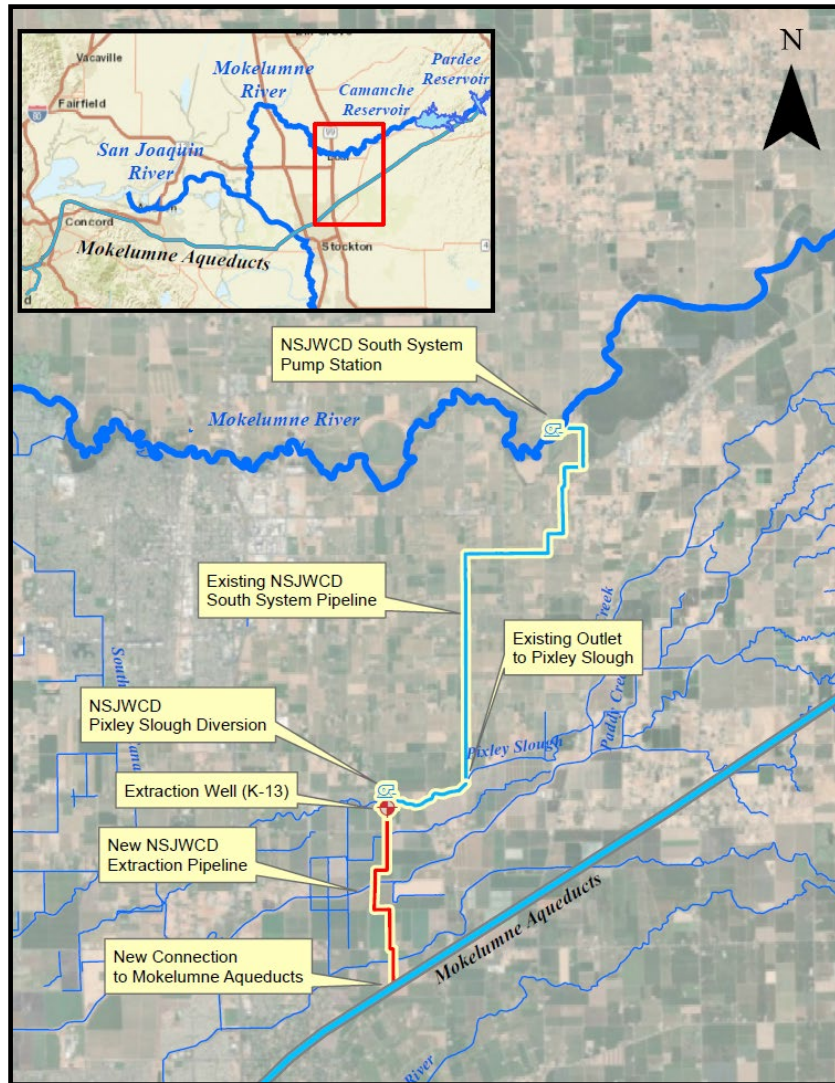


Figure 1. Map of the DREAM Facilities. New extraction facilities constructed include the NSJWCD extraction pipeline and the connection to EBMUD’s Mokelumne Aqueducts.