

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
WATER RESOURCES ADVISORY COMMITTEE (WRAC)

Wednesday September 1, 2021

Via Teleconference: <https://global.gotomeeting.com/join/392816021>

Call-in information: 1 (408) 650-3123, Access Code: 392-816-021

WRAC Agenda

1.	Determination of a Quorum and Introductions	1:30pm
2.	Approval of June 2, 2021 Meeting Minutes	1:35pm
3.	Ongoing Updates: a. Rain & Reservoir Report b. California Drought Monitor Summary c. Groundwater Basin Management Efforts d. Integrated Regional Water Management (IRWM) e. Stormwater Resource Plan (SWRP) f. Various County Water Programs, Policies, and Ordinances g. Open Reporting on Water Conservation Opportunities & Information	1:40pm
4.	Drought in San Luis Obispo County, Panel Discussion: Scotty Jalpert, County of SLO Office of Emergency Services; Ben Fine, City of Pismo Beach; Ray Dienzo, Cambria Community Services District	1:50pm
5.	Receive Presentation from Staff regarding Draft Regional Water Infrastructure Resiliency Plan	2:30pm
6.	Future Agenda Items	2:50pm
7.	Public Comment for Items not on the Agenda	2:55pm

This agenda packet and attachments are available online at www.slocounty.ca.gov/wrac

Next Regular Meeting: October 6, 2021, 1:30 pm
 Location TBD

Please contact WRAC Secretary, Brendan Clark, with any questions. bclark@co.slo.ca.us

Purpose of the Committee:

To advise the County Board of Supervisors concerning all policy decisions relating to the water resources of the San Luis Obispo County Flood Control and Water Conservation District. To recommend to the Board of Supervisors specific water resource and water conservation programs with recognition of the economic and environmental values of the programs. To recommend methods of financing water resource programs.

Excerpts from WRAC By-Laws dated September 1, 2020

MINUTES (Draft)

Chairperson: Andy Pease
Vice Chairperson: Ray Dienzo
Secretary: Brendan Clark

The following action minutes are listed as they were acted upon by the Water Resources Advisory Committee (WRAC) and as listed on the Regular Meeting agenda for **June 2, 2021** together with staff reports and related documents attached thereto and incorporated therein by reference.

The audio recording of the meeting and materials submitted to the WRAC are available online: [https://www.slocounty.ca.gov/Departments/Public-Works/Committees-Programs/Water-Resources-Advisory-Committee-\(WRAC\).aspx](https://www.slocounty.ca.gov/Departments/Public-Works/Committees-Programs/Water-Resources-Advisory-Committee-(WRAC).aspx)

Call to order at 1:30 PM

1) Determination of a Quorum and Introductions

A quorum of 22 is established.

2) Approval of May 5, 2021 Meeting Minutes

S. Sinton and C. Mulholland comment on the format of the Committee's meeting minutes.

A. Pease and B. Clark respond.

S. Sinton moves to approve the May 5th, 2021 meeting minutes and C. Mulholland seconds the motion. Motion carries (22-0-0).

3) Presentation regarding the USGS Adelaida Study and Consider Actions

M. Bandov introduces the item.

G. Cromwell presents on the Adelaida Area Hydrogeologic Study. Presentation topics include:

- Purpose and scope to understand conditions and characterize the hydrology of the Adelaida Area.
- Objectives to compile and collect hydrogeologic data, quantify the hydrologic budget, and refine the understanding of the area.
- Stakeholder participation and local outreach efforts.

- Data sources collected during the initial task (Task 1) of the study, including precipitation, land use, surface and subsurface geology, groundwater levels, and water quality.
- Proposed work and timeline for the study, including collection of additional data, developing a hydrogeologic framework model, evaluating and reporting on conditions, and maintaining a publicly facing website.
- Staff will present Task 1 findings to the County Board of Supervisors on June 8th and seek direction on Tasks 2-8.

A. Pease asks for questions/comments from the Committee and opens the floor for public comments; there are no comments.

4) Receive presentation from staff regarding stormwater capture in San Luis Obispo County

M. Bandov introduces the item.

M. Travis presents on stormwater capture in San Luis Obispo County. Presentation topics include:

- CivicSpark program and project objectives.
- WRAC subcommittee scope, involvement, discussions, and topics of interest.
- Stormwater capture project methods, scales, considerations, benefits, and obstacles.
- Outreach efforts and findings.
- Areas for further exploration and draft potential recommendations.

A. Pease thanks the stormwater capture subcommittee for their work asks for questions/comments from the Committee.

C. Mulholland comments on considerations given to potential projects impacting the environment, natural water systems, and rural/undeveloped lands.

A. Pease comments on surface water manipulation, channelizing water ways and the impacts to beneficiaries and natural water systems, and revisiting the philosophical approach to stormwater capture.

H. Graves comments on stormwater capture being an important tool for bringing the basin back to sustainability at the landowner level.

A. Pease opens the floor for public comment; there are no comments.

5) Receive Presentation from Shandon-San Juan Water District regarding recent applications to State Water Resources Control Board

A. Pease introduces the item.

S. Sinton presents on the Shandon-San Juan Water District's recent applications to the State Water Resources Control Board (SWRCB). Presentation topics include:

- The District's background as a GSA under SMGA, the development of the Paso Basin GSP, and the conclusion to reduce pumping by 17-20%.
- Cal Poly economics study projected that pumping reductions could result in the loss of 3300 jobs and cost \$458 million a year.
- Looking at all possible solutions to address groundwater issues in the basin.
- The GSP identified Nacimiento and Salinas River as possible supplemental water supplies to the basin.
- The District identified percolation sites for supplemental water from SkyTEM data, hired engineers to further analyze watersheds for available/unappropriated water, and submitted applications to the SWRCB for 14,000 AF of unappropriated water from Nacimiento and 14,000 AF from the Salinas River.
- Pipelines, facilities, infrastructure, and projects for the supplemental water.
- The District's application status and SWRCB's request for additional information.
- The District's cooperative efforts and development of a supplemental water policy.

A. Pease asks about timing for feedback on the applications. S. Sinton responds.

A. Pease asks for questions/comments from the Committee; there are no comments.

A. Pease opens the floor for public comment.

G. Grewal comments on the content, process, and responses to the District's applications to the SWRCB. S. Sinton responds.

6) **Ongoing Updates:**

a) Rain & Reservoir Report
No comment

b) California Drought Monitor Summary
No comment

c) Groundwater Basin Management Efforts
No comment

d) Integrated Regional Water Management (IRWM)
No comment

e) Stormwater Resource Plan (SWRP)
No comment

f) Various County Water Programs, Policies, and Ordinances

S. Sinton comments on the August 6, 2021, County Board of Supervisors item regarding the Paso Basin Offset Ordinance and the potential water use under Tier 1.

7) Discuss Approach to Future Meeting Planning and Future Agenda Items

A. Pease comments on a survey that will be distributed to WRAC Members to help identify and prioritize future agenda items and topics of interest.

A. Pease asks for requests or comments from the Committee on future agenda items; there are none.

8) Public Comment on Items not on the Agenda

C. Mulholland comments on water conditions on the east side of the San Joaquin Valley, noting that federal allocations in the irrigation district will be at 0% this year.

G. Grewal comments on participants of the Williamson Act and the majority of water use going towards irrigated agriculture.

H. Krzciuk comments on an RFP for a scaled down version of an urban water management plan in San Simeon.

D. Chipping comments on legal questions regarding groundwater recharge and its beneficial use.

Meeting adjourned at 3:04 p.m.

Water Resources Advisory Committee - Roll Call Vote Form
Meeting Date: 6/7/2021

Organization	Representative	MOTION 1: May Minutes			MOTION 2:			MOTION 3:			MOTION 4:		
		AYE	NO	ABSTAIN	AYE	NO	ABSTAIN	AYE	NO	ABSTAIN	AYE	NO	ABSTAIN
District 1	Dennis Loucks												
District 2	Melanie Blankenship	X											
District 3	Neal MacDougall												
District 4	Piavo Ogren												
District 5	Natalie Resner												
	(Vacant)												
	Allen Duckworth	X											
	Eric Presley												
AT-LARGE													
Agriculture At-Large	Kurt Bollinger												
Agriculture At-Large	(Vacant)												
Development At-Large	Tim Walters	X											
Environmental At-Large	Greg Nestler												
Environmental At-Large	Christine Mulholland	X											
Environmental At-Large	Eric Greening	X											
Environmental At-Large	David Chipping	X											
Environmental At-Large	Stephnie Wald												
RCDs													
Coastal San Luis RCD	Inda Chipping	X											
Upper Salinas RCD	George Kendall	X											
	Tom Meza												
OTHERS													
Atascadero Mutual	John Neil	X											
California Men's Colony	Jaime Hendrickson												
Camp SLO	Scott Buffaloe												
County Farm Bureau	Mike Schwartz												
Cuesta College	John Reid												
Golden State Water	Jubilee Salele												
Shandon-San Juan Water District	Steve Carter	X											
Etiwille El Pomar Creston Water District	Brent Burchett												
	(Vacant)												
	Justina Alvarez												
	Mark Ziegler	X											
	Shirley Smith	X											
	Kevin P. K												
	Leo Nash												
	Hilary Graves	X											
CITIES													
City of Arroyo Grande	Lan George	X											
City of Atascadero	Kristen Barnech												
City of Grover Beach	Charles Boutheau									X			
City of Morro Bay	Nick DeBar												
City of Paso Robles	Robert Robert	X											
City of Plamo Beach	(Vacant)												
City of San Luis Obispo	Laurel Barton	X											
	Rob Luck												
	Christopher Aikel												
	Kirk Gonzales												
	Marcia Guthrie												
	Sheila Blake												
	Shirley Pease	X											
	Jan Marx												
CSDs													
Avila Beach CSD	Brad Hagemann												
Cambria CSD	(Vacant)												
Heritage Ranch CSD	Ray Denzo	X											
Los Osos CSD	Melissa Bland												
Nipomo CSD	Scott Duffield												
Oceanside CSD	Jason Molinari												
San Miguel CSD	Chuck Cesena	X											
San Simonton CSD	Ron Munds	X											
Templeton CSD	Ed Eby	X											
	Richard Malvarose												
	Shirley Gilson	X											
	Linda Austin												
	Anthony Kavana												
	(Vacant)												
	Maries Grace												
	(Vacant)												
	Debra Logan	X											
	Tina Mayer												
		22	0	0	1	0	0	0	0	0	0	0	0

QUORUM (MIN. 12): 23

MOTION 1

Item #: 2 Pass/Fail?: Pass

Motion Maker: S. Sinton Second: C. Mulholland

AYE: 22 NO: ABSTAIN: ABSENT: 1

Approve May minutes as amended.

MOTION 2

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

MOTION 3

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

MOTION 4

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

WATER RESOURCES ADVISORY COMMITTEE (WRAC) 2021

Organization	Representative	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SUPERVISOR DISTRICT														
District 1	Dennis Loucks	M	/	X	/	X	/	/	/	/	/	/	/	/
	Melanie Blankenship	A	/	/	/	/	X	X	/	/	/	/	/	/
District 2	(Vacant)	M	/	/	/	/	/	/	/	/	/	/	/	/
	Neal MacDougall	A	/	/	/	X	/	/	/	/	/	/	/	/
District 3	Paavo Ogren	M	/	X	/	X	X	/	/	/	/	/	/	/
	Natalie Risner	A	/	/	/	/	/	/	/	/	/	/	/	/
District 4	(Vacant)	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
District 5	Allen Duckworth	M	/	/	/	X	/	X	/	/	/	/	/	/
	Fred Hoey	A	/	/	/	/	/	/	/	/	/	/	/	/
AT-LARGE														
Agriculture At-Large	Kurt Bollinger	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Agriculture At-Large	(Vacant)	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Development At-Large	Tim Walters	M	/	X	/	X	X	X	/	/	/	/	/	/
	Greg Nester	A	/	/	/	/	/	/	/	/	/	/	/	/
Environmental At-Large	Christine Mulholland	M	/	X	/	X	X	X	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Environmental At-Large	Eric Greening	M	/	X	/	/	/	X	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Environmental At-Large	David Chipping	M	/	X	/	X	X	X	/	/	/	/	/	/
	Stephnie Wald	A	/	/	/	X	/	/	/	/	/	/	/	/
RCDs														
Coastal San Luis RCD	Linda Chipping	M	/	X	/	X	X	X	/	/	/	/	/	/
	Rob Rutherford	A	/	/	/	/	/	/	/	/	/	/	/	/
Upper Salinas RCD	George Kendall	M	/	/	/	/	/	X	/	/	/	/	/	/
	Tom Mora	A	/	/	/	/	/	/	/	/	/	/	/	/
OTHERS														
Atascadero Mutual	John Neil	M	/	/	/	/	/	/	/	/	/	/	/	/
	Jaime Hendrickson	A	/	X	/	/	X	X	/	/	/	/	/	/
California Men's Colony	Scott Buffaloe	M	/	/	/	/	/	/	/	/	/	/	/	/
	Mike Schwartz	A	/	/	/	/	/	/	/	/	/	/	/	/
Camp SLO	John Reid	M	/	/	/	/	X	/	/	/	/	/	/	/
	Jubilee Satele	A	/	/	/	/	/	/	/	/	/	/	/	/
County Farm Bureau	Steve Carter	M	/	X	/	X	/	X	/	/	/	/	/	/
	Brent Burchett	A	/	X	/	/	X	X	/	/	/	/	/	/
Cuesta College	(Vacant)	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Golden State Water	Joshua Alvidrez	M	/	/	/	X	X	X	/	/	/	/	/	/
	Mark Zimmer	A	/	/	/	X	X	X	/	/	/	/	/	/
Shandon-San Juan Water District	Stephen Sinton	M	/	X	/	X	X	X	/	/	/	/	/	/
	Kevin Peck	A	/	/	/	/	/	/	/	/	/	/	/	/
Estrella-El Pomar-Creston Water District	Lee Nesbit	M	/	/	/	X	X	/	/	/	/	/	/	/
	Hilary Graves	A	/	X	/	X	X	X	/	/	/	/	/	/
CITIES														
City of Arroyo Grande	Lan George	M	/	/	/	/	X	X	/	/	/	/	/	/
	Kristen Barneich	A	/	/	/	/	/	/	/	/	/	/	/	/
City of Atascadero	Charles Bourbeau	M	/	X	/	/	X	X	/	/	/	/	/	/
	Nick DeBar	A	/	/	/	/	/	/	/	/	/	/	/	/
City of Grover Beach	Robert Robert	M	/	/	/	X	X	X	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
City of Morro Bay	Laurel Barton	M	/	/	/	/	/	X	/	/	/	/	/	/
	Rob Livick	A	/	/	/	/	/	/	/	/	/	/	/	/
City of Paso Robles	Christopher Alakel	M	/	/	/	/	/	/	/	/	/	/	/	/
	Kirk Gonzalez	A	/	/	/	/	/	/	/	/	/	/	/	/
City of Pismo Beach	Marcia Guthrie	M	/	/	/	/	/	/	/	/	/	/	/	/
	Sheila Blake	A	/	/	/	/	/	/	/	/	/	/	/	/
City of San Luis Obispo	Andy Pease	M	/	X	/	X	X	X	/	/	/	/	/	/
	Jan Marx	A	/	/	/	/	/	/	/	/	/	/	/	/
CSDs														
Avila Beach CSD	Brad Hagemann	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Cambria CSD	Ray Dienzo	M	/	X	/	X	X	X	/	/	/	/	/	/
	Melissa Bland	A	/	/	/	/	/	/	/	/	/	/	/	/
Heritage Ranch CSD	Scott Duffield	M	/	/	/	/	/	/	/	/	/	/	/	/
	Jason Molinari	A	/	/	/	/	/	/	/	/	/	/	/	/
Los Osos CSD	Chuck Cesena	M	/	/	/	/	/	/	/	/	/	/	/	/
	Ron Munds	A	/	/	/	/	X	X	X	/	/	/	/	/
Nipomo CSD	Ed Eby	M	/	X	/	X	X	X	/	/	/	/	/	/
	Richard Malvarose	A	/	/	/	/	/	/	/	/	/	/	/	/
Oceano CSD	Shirley Gibson	M	/	X	/	X	X	X	/	/	/	/	/	/
	Linda Austin	A	/	/	/	/	/	/	/	/	/	/	/	/
San Miguel CSD	Anthony Kalvans	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
San Simeon CSD	Charles Grace	M	/	/	/	/	/	/	/	/	/	/	/	/
	(Vacant)	A	/	/	/	/	/	/	/	/	/	/	/	/
Templeton CSD	Debra Logan	M	/	/	/	/	X	X	/	/	/	/	/	/
	Tina Mayer	A	/	/	/	/	/	/	/	/	/	/	/	/
STAFF														
Agricultural Commissioner	Lynda Auchinachie	Staff	/	X	/	X	X	X	/	/	/	/	/	/
Planning and Building	Kylie Hensley	Staff	/	X	/	X	X	/	/	/	/	/	/	/
Public Works	Courtney Howard	Staff	/	X	/	X	X	X	/	/	/	/	/	/
	Mladen Bandov	Staff	/	X	/	X	X	X	/	/	/	/	/	/
	Brendan Clark	Staff	/	X	/	X	X	X	/	/	/	/	/	/
	Sarah Crable	Staff	/	X	/	X	X	X	/	/	/	/	/	/
	Lucia Mercado	Staff	/	X	/	X	X	X	/	/	/	/	/	/
	Mark Chiramonte	Staff	/	X	/	X	X	X	/	/	/	/	/	/

Notes: M = Member; A = Alternate Member

26 0 27 30 32 0 0 0 0

**WATER RESOURCES ADVISORY COMMITTEE (WRAC)
GUEST LIST 2021**

Signing-in is voluntary. You may attend the meeting regardless of whether you sign-in.

NAME	AFFILITATION (if any)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Patricia Wilmore	Paso Robles Wine Country Alliance	/	X	/	X	X		/	/				
Willy Cunha	Shandon-San Juan Water District	/	X	/			X	/	/				
Matthew Scrudato	Santa Barbara County Water Agency	/		/		X	X	/	/				
Toby Moore	Golden State Water Company	/	X	/			X	/	/				
Nick Teague	City of SLO	/	X	/	X	X	X	/	/				
Will Clemens	OSCD	/	X	/	X			/	/				
Mark Battany	UCCE	/	X	/	X		X	/	/				
Jeff Edwards		/	X	/	X	X	X	/	/				
Greg Grewal		/	X	/	X	X	X	/	/				
Eric Thomas		/	X	/				/	/				
Julie Ridgeway		/		/	X	X	X	/	/				
Louis Lefebvre		/		/	X			/	/				
Charlie Cote	S&T Mutual Water Company	/		/	X			/	/				
Dana Merrill	EPCWD	/		/	X			/	/				
Seth Stevens	GHD	/		/	X			/	/				
Chad Stoeher	City of Pismo Beach	/		/		X		/	/				
Tim Kershaw		/		/		X		/	/				
Heather Billing		/		/		X		/	/				
Randy Diffenbaugh		/		/		X		/	/				
Mychal Boerman	City of San Luis Obispo	/		/			X	/	/				
Madeleine Travis	CivicSpark Fellow	/		/			X	/	/				
Aaron Floyd	City of San Luis Obispo	/		/			X	/	/				
Hank Krzuick		/		/			X	/	/				
Christina Stamos	USGS	/		/			X	/	/				
Geoff Cromwell	USGS	/		/			X	/	/				
Nicole Fenton	USGS	/		/			X	/	/				
Chad Stoehr	City of Pismo Beach	/		/			X	/	/				
Kellie Fortner		/		/			X	/	/				
John Wallace		/		/			X	/	/				
Laurie Gage	EPCWD	/		/			X	/	/				

TO: Water Resources Advisory Committee

FROM: Brendan Clark, Supervising Water Resources Engineer

DATE: September 1, 2021

SUBJECT: Item 3: Ongoing Updates

Recommendation

Receive updates on various ongoing efforts.

Discussion

- a) **Rain & Reservoir Report:** See attached report.
- b) **California Drought Monitor Summary.** See attached summaries.
- c) **Groundwater Management Efforts**

On December 18, 2019, the California Department of Water Resources (DWR) released the Final Sustainable Groundwater Management Act (SGMA) 2019 Prioritization¹ that designates each groundwater basin and subbasin (collectively, basins) as high, medium, low or very low priority. Groundwater sustainability agencies (GSAs) are required to develop and implement groundwater sustainability plans (GSPs) for each high or medium priority basin.

The quarterly financial update for SGMA is going to the Board on September 14th. A copy of the Finance update included in the BOS item is attached to this report.

BASIN UPDATES:

Basin	Update:
Los Osos Basin	<p>Los Osos Area Subbasin (adjudicated area) is designated as a very low priority basin subject to critical conditions of overdraft. SGMA does not apply to the portions of Los Osos Basin that are adjudicated provided that certain requirements are met (Water Code §10720.8). The fringe areas of the Los Osos Area Subbasin are not subject to the requirements of SGMA due to the DWR prioritization. The Los Osos Basin Management Committee (BMC) oversees implementation of the Los Osos Basin Plan for the area.</p> <p>Regular meetings of Los Osos BMC Board of Directors were held on June 16 and July 21, 2021, which included approval of the 2020 Annual Report for submittal to the courts and discussions about Sustainable Yield framework, methodology and approaches for updates, revisions or annual approvals by the BMC. The BMC staff presented key assumptions that are used in determining the Sustainable Yield and received direction from the BMC to return to discuss the Sustainable Yield prior to the development of the next Annual Report. The next BMC meeting on September 15, 2021.</p>

¹ <https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization>

	<p>Warden Creek Subbasin is designated as a very low priority and is not subject to the requirements of SGMA due to the DWR prioritization. For more information, please visit: www.slocounty.ca.gov/losososbasin</p>
<p>Atascadero Basin</p>	<p>Atascadero Basin is designated as a very low priority basin and is not subject to the requirements of SGMA due to the DWR prioritization; however, the Atascadero Basin Groundwater Sustainability Agency (GSA) Executive Committee (EC) has committed to developing a groundwater sustainability plan (GSP) by 2022.</p> <ul style="list-style-type: none"> • On July 7, 2021, the EC approved the compiled draft GSP for public review. • The Comment period for the Draft GSP closes on September 17, 2021. • The next regular EC meeting is November 3, 2021. <p>For information or to view the GSP material, visit: https://portal.atascaderobasin.com/</p>
<p>Santa Maria Basin</p>	<p>Santa Maria Area Subbasin (adjudicated area) is designated as a very low priority basin. The adjudicated areas of the Santa Maria Basin are managed by the Northern Cities Management Area, Nipomo Mesa Management Area, and Santa Maria Valley Management Area. The Santa Maria Basin Fringe Areas – County of San Luis Obispo GSA is the GSA for the non-adjudicated fringe areas of the basin within the County. This subbasin consists of an adjudicated area and other non-adjudicated fringe areas. However, only the priority of the non-adjudicated fringe areas was assessed, which include the Ziegler Canyon Fringe Area in San Luis Obispo County and other fringe areas in Santa Barbara County.</p> <p>Arroyo Grande Subbasin is designated as a very low priority basin and is not subject to the requirements of SGMA due to the DWR prioritization; however, the County and City of Arroyo Grande as GSAs in the basin are committed to developing a GSP by 2022.</p> <p>A second public workshop meeting for the GSP is scheduled for Fall 2021. Topics will be as follow:</p> <ul style="list-style-type: none"> • Establish a preliminary set of basin sustainability goals. • Define the undesirable results and the sustainable management criteria. • Present an overview on preliminary basin groundwater conditions and water budget to support discussions on the sustainable management criteria. <p>Draft GSP Chapter 4 – Basin Setting will be available for public comments at the BOS on September 14, 2021. Comment period will close on September 30, 2021.</p> <p>For more information, please visit: www.slocounty.ca.gov/santamariabasin</p>
<p>Paso Basin</p>	<p>Paso Basin is designated as a high priority basin subject to critical conditions of overdraft. The Paso Basin – County of San Luis Obispo GSA and three other GSAs within the basin entered into an agreement to develop a single GSP for the basin and coordinate via the Paso Basin Cooperative Committee (PBCC).</p> <ul style="list-style-type: none"> • The PBCC and Paso Basin GSAs are working to address deficiencies identified in DWR's initial assessment of the Paso Basin GSP. • The next regular PBCC meeting is scheduled on October 27, 2021.

	<p>For more information, please visit: www.slocounty.ca.gov/pasobasin</p> <p>Cuyama Basin is designated as a high priority basin subject to critical conditions of overdraft. The Cuyama Basin GSA was formed through a Joint Powers Agreement (JPA) and is an independent agency governed by a Board of Directors for Cuyama Basin.</p> <p>The Cuyama Basin GSA Board of Directors held a Special Meeting on August 18, 2021, which included discussions about DWR’s Consultation Letter (dated June 3, 2021) regarding the Cuyama Basin GSP. DWR’s letter identified four deficiencies in the GSP that would be considered when DWR issues their determination of the approval status of the GSP by their statutory two-year deadline at the end of January 2022. The Cuyama Basin GSA staff presented the approach and timeline to address deficiencies that would engage with DWR and update the GSP prior to the end of the year.</p> <p>The next Cuyama Basin GSA Regular Meeting is scheduled on September 1, 2021; however, it’s anticipated that the meeting schedule may change in addressing the GSP deficiencies.</p> <p>For more information, please visit: www.cuyamabasin.org</p>
<p>San Luis Obispo Basin</p>	<p>San Luis Obispo Basin is designated as a high priority basin. The County and City of San Luis Obispo as GSAs in the basin are developing a GSP for the SLO Basin and coordinating as the Groundwater Sustainability Commission (GSC) with other basin partners.</p> <p>A regular virtual GSC meeting was held June 21, 2021. The topics presented and discussed were as follow:</p> <ul style="list-style-type: none"> • Responded to comments received on Draft GSP Chapter 8 – Sustainable Management Criteria. • Recommended Draft GSP Chapter 9: Projects and Management Actions and Chapter 10 Implementation Plan to be received and filed by the GSAs and released for public comment. • Recommended Draft Technical Memorandum on GDEs in the San Luis Obispo Valley Groundwater Basin to be received and filed by the GSAs and released for public comment. <p>A regular virtual GSC meeting was held on August 18, 2021. The topics presented ad discussed were as follow:</p> <ul style="list-style-type: none"> • Responded to comments received on Draft GSP Chapters 9 &10 – Projects and Management Actions and Implementation Plan, respectively. • Recommended the complete Draft GSP including all appendices to be received and filed by the GSAs and released for public comment. • Discussed the location and installation of a new proposed monitoring well as described in the GSP Monitoring Network. <p>The public comment period for the draft GSP is open until September 19, 2021.</p> <p>On August 24, 2021, the County Board of Supervisors, acting as the San Luis Obispo Valley Basin – County of San Luis Obispo Groundwater Sustainability Agency (County GSA), received and filed a presentation on the San Luis Obispo Valley Draft GSP, and authorized the Director of Public Works, or designee, to provide notice to the City of San Luis Obispo</p>

	<p>of the Draft GSP, and to review and consider any comment by the City in accordance with the requirements of Water Code Section 10728.4. Another Board item for the County GSA to consider was to adopt a resolution to modify the service area boundaries of the SLO Basin to align with the revised City of San Luis Obispo boundary due to new City annexations.</p> <p>Interested parties are encouraged to participate in the basin specific efforts by attending workshops and meetings of the GSC for the San Luis Obispo Basin. Please visit: www.slowaterbasin.com</p>
<p>Adelaida Area</p>	<p>The Adelaida Area is not a DWR designated groundwater basin; however, the San Luis Obispo County Flood Control and Water Conservation District is coordinating with the U.S. Geological Survey (USGS) and the Upper Salinas-Las Tablas Resources Conservation District (RCD) to conduct a hydrogeologic study within the Adelaida area. The goal of the study is to provide a better understanding of the of the groundwater conditions in the Adelaida area so that informed decisions can be made about managing local water resources.</p> <ul style="list-style-type: none"> • Efforts for Task 1 have been underway since March of 2020. These efforts consist of compiling and analyzing existing hydrogeologic data from publicly available sources and private landowners residing within the study area. • USGS' evaluation of existing data for Task 1 concluded in March 2021. • A follow-up community meeting was held on Friday, April 23, 2021 at 4:00 p.m. where USGS staff provided a summary of work completed for the initial data collection task and next steps for the study. • On June 8, 2021 the Board of Supervisors directed staff to proceed with Task 2 of the Adelaida Hydrogeological Study. • Task 2 consists of new data collection, including but not limited to: groundwater level data, water quality sampling, and surface-water monitoring. <p>For more information, please visit:</p> <ul style="list-style-type: none"> • https://www.slocounty.ca.gov/adelaidastudy • https://www.usgs.gov/centers/ca-water/science/evaluation-groundwater-resources-adelaida-area-san-luis-obispo-county?qt-science_center_objects=0#qt-science_center_objects

County SGMA website – The County has a SGMA website with an interactive mapping tool available for each medium and high priority basin in the county. Residents can verify whether a specific parcel is within a priority basin boundary and, therefore, whether the parcel is subject to SGMA requirements. The following websites include other informative materials, such as SGMA fact sheets and recent presentation materials. Visit the websites and basin-specific page links to learn more and to sign up for the County's SGMA email list.

WRAC members and interested stakeholders are encouraged to join the various mailing lists for groundwater basin management efforts:

San Luis Obispo County's SGMA Website and Mailing List Sign-up

<http://www.slocounty.ca.gov/sgma>

California Department of Water Resources (DWR) SGMA Website and Mailing List

<https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

d) Integrated Regional Water Management (IRWM)

The 2019 IRWM Plan was adopted by the Board of Supervisors, for both the County and the Flood Control & Water Conservation District on September 1st, 2020. Members of the Regional Water Management Group (RWMG) are encouraged to adopt the latest plan. For additional information, please visit www.slocounty.ca.gov/irwm.

DWR is readying the Proposition 1, Round 2 Implementation grant opportunity and we expect the draft guidelines to be out by the end of the year.

Additionally, DWR is preparing to facilitate 3 separate grant programs that were funded by the 2021-2022 State Budget. Additional information about the first of these grants is available here:

<https://water.ca.gov/News/News-Releases/2021/Aug-21/State-Agencies-Announce-First-Round-of-Commitments-for-Drought-Funding-Small-Communities>

If an agency or eligible NGO is interested in applying for any of these funds, please submit a project to the IRWM program for inclusion in the project list:

https://forms.office.com/pages/responsepage.aspx?id=dMfDhN9_4kClkCey5w-BJg3tfgH-z0JOhuEB-5PkLxUNDFKSIIBUKRPSUdFQUPEQjdKWTVCRDUyVC4u

A summary of open and pending IRWM grants is below:

Prop 1E Stormwater Flood Mgmt Grant (2011)	\$2,797,000	Close-out	
Flood Control Zone 1/1A – Modified 3a Project	\$2,797,000	Close-out	Flood Control District
Prop 84 Implementation Grant (2011)	\$10,401,000	Close-out	
Los Osos Wastewater Project	\$5,945,444	Complete	County of SLO
Flood Control Zone 1/1A – Modified 3c Project	\$2,200,000	Close-out	Flood Control District
Nipomo Supplemental Water Project	\$2,200,000	Complete	Nipomo CSD
Grant Administration	\$55,556	Close-out	Flood Control District
Prop 1 Disadvantaged Community Involvement 2017	\$877,563	In Progress	
FCD Funding Administration	\$20,700	In Progress	Flood Control District
Disadvantaged Community Needs Assessment	\$67,738	In Progress	Flood Control District
Water Resource Reliability Program, Phase 2	\$177,750	Complete	Oceano CSD
Turnout Pump Station Design & Water Master Plan Update	\$177,750	In Progress	City of Grover Beach
Water Res. Recovery Facility, SLO Value Engineering at 60% Design	\$78,125	Complete	City of SLO
Reservoir Expansion Project & Water Master Plan Update	\$177,750	In Progress	San Simeon CSD
Wastewater Plant Upgrade Study and Recharge Basin Study	\$177,750	Complete	San Miguel CSD
Prop 1 Implementation Grant, Round 1 (final award received 7/3/2020)	\$3,282,130		
Grant Administration	\$155,000	Final Award	Flood Control District
One Water SLO, MBR/UV Component	\$1,314,530	Final Award	City of SLO

8th Street Well Construction	\$238,100	Final Award	Los Osos CSD
Supplemental Water Project, Final Phase	\$800,000	Final Award	Nipomo CSD
Water Resource Reliability Program, Projects #1-1, #1-9	\$274,500	Final Award	Oceano CSD
Reservoir Expansion Project, Phase 1 Distribution System	\$500,000	Final Award	San Simeon CSD
Prop 1 Implementation Grant, Round 2 (est. 2021)	\$3,282,129		
TBD	TBD	TBD	Project Sponsors

To stay up-to-date on all things IRWM, sign up for the email list, located at: www.slocounty.ca.gov/irwm.

For questions, contact:
 Brendan Clark, IRWM Program Manager
 Email: bclark@co.slo.ca.us
 Phone: (805) 788-2316

e) Stormwater Resource Plan

While there are no specific Stormwater Grant Program funding opportunity at this time, for any stormwater project to be eligible for any State funding opportunity, include the to-be-related drought funding programs, the project must be included in a Stormwater Resources Plan.

To submit a project to the County's **Stormwater Resource Plan** visit: www.slocounty.ca.gov/pw/swrp

For questions, contact:
 Sarah Crable, County Public Works
 Email: scrable@co.slo.ca.us
 Phone: (805) 788-2760

f) Various County Water Programs, Policies, and Ordinances

Nipomo Mesa

Offset Programs. The County is continuing to process building permits subject to the County's water offset fees at a 1:1 ratio to fund the Cash for Grass, Washer Rebate, and Plumbing Retrofit Programs, available for both residential and commercial uses. Applicants in the Nipomo CSD service area may pay the CSD's supplemental water fee to meet the County's offset requirement. For more information, visit: www.slocountywwcp.org

Paso Basin

Offset Programs. The County is continuing to require new construction projects to offset water use at a 1:1 ratio by funding the Cash for Grass, Washer Rebate, and Plumbing Retrofit Programs, available for both residential and commercial uses. The County also continues to manage the Agricultural Offset Program in the Paso Basin that requires property owners to verify that new and expanded irrigated commercial crops are not increasing their existing water use on-site, based on a 5 year look back period, with a 5 AFY exemption for sites that do not have existing irrigation and are outside of the area of severe decline. For more information, visit: www.slocountywwcp.org.

New Paso Basin Land Use Planting Ordinance. The San Luis Obispo County Board of Supervisors has directed staff to develop a land use ordinance and amend General Plan policies to require ministerial land use approval (“a planting permit”) until 2045 for new or expanded planting of irrigated crops irrigated with water from groundwater wells located within the Paso Basin Land Use Management Area (PBLUMA), with a two-tier framework: 1) plantings using up to 25 acre-feet per year (AFY) of total groundwater per site, and 2) plantings maintaining neutral groundwater use on site with a 6-year rolling lookback period. Plantings using groundwater outside of these two tiers would not be allowed. General Plan elements to be revised include the Agricultural Element and Conservation and Open Space Element. A map of the PLUMA and project timeline are available on the website below.

Notice of Preparation of Environmental Impact Report and Initial Study published, available at:

<https://www.slocounty.ca.gov/Departments/Planning-Building/Grid-Items/Community-Engagement/Active-Planning-Projects/Paso-Basin-Land-Use-Planting-Ordinance.aspx>

30 day scoping period: August 12 – September 13, 2021

Virtual Public Workshop Wednesday, September 1, 2021 at 6-7:30pm

Website: <https://us02web.zoom.us/j/89890881384>

Meeting ID: 898 9088 1384

Call in Phone Number: 669-900-9128

Los Osos

Offset Requirement. The retrofit-to-build program within the community of Los Osos is allowing property owners to retrofit washers within and outside the prohibition zone to acquire retrofit credits to offset water use for new development at a 2:1 ratio. Program information is available at: www.slocountywwcp.org/plumbing-retrofit-to-build.

Water Offset Study – Request for Proposals by September 10, 2021. The County of San Luis Obispo (County) is requesting proposals from qualified firms to establish a 3-month contract (September 20 – December 17, 2021) for consulting services to update the County of San Luis Obispo’s water offset requirements for the Community of Los Osos. The County Department of Planning & Building (“County Planning”) administers the water offset program to mitigate water supply impacts to allow new development using water from the Los Osos Groundwater Basin. The program’s water savings estimates need to be updated to incorporate significant changes in water consumption patterns since the water offset program was adopted in 2008. The water savings measures need to be updated to incorporate new trends in the water conservation sector to expand the capacity of the program to offset new development.

County Planning is in the process of responding to California Coastal Commission comments about the updated Los Osos Community Plan and would like this study to be completed before scheduling a Coastal Commission hearing.

The Request for Proposals, including a detailed Scope of Work (see Appendix A), is available at:

<https://www.slocounty.ca.gov/Departments/Planning-Building/Grid-Items/Community-Engagement/Active-Planning-Projects/Los-Osos-Water-Offset-Study.aspx>

Los Osos Community Plan. The Los Osos Community Plan (“LOCP”) is being reviewed by the California Coastal Commission and a hearing date has not yet been scheduled. On December 15, 2020, the County Board of Supervisors adopted the Los Osos Community Plan update and Final Environmental Impact Report and tentatively adopted amendments to the Growth Management Ordinance that would establish

a residential growth rate for the Los Osos urban area. The LOCP policies are still subject to change based on California Coastal Commission review. If the LOCP is certified by Coastal Commission with no changes, the Growth Management Ordinance amendments to establish a growth rate for Los Osos are effective upon certification. If the LOCP requires changes, then the growth rate would need to be established at another Board hearing. The LOCP and Growth Management Ordinance policies considered by the Board on December 15 are available at: <https://agenda.slocounty.ca.gov/iip/sanluisobispo/agendaitem/details/12683>.

The Board authorized preparation of this update on December 11, 2012. A series of community outreach meetings to unveil the Community Plan were conducted in the Spring of 2015. The plan was prepared to be consistent and coordinated with the draft groundwater basin management plan and the draft Habitat Conservation Plan ("HCP"). The draft Environmental Impact Report was released on September 12, 2019; comments were due December 11, 2019. A Community Meeting on the Draft Environmental Impact Report for the LOCP, HCP, and associated Environmental Documents was held on October 28, 2019. The Final Environmental Impact Report and Public Hearing Draft were released on June 8, 2020. The Planning Commission held hearings on July 9, 2020, August 13, 2020, and October 8, 2020. At the October 8, 2020 hearing, the Planning Commission recommended approval of the Plan to the Board of Supervisors.

Accessory Dwelling Units (ADU). On January 28, 2020, the Board of Supervisors considered and adopted a resolution to amend Title 22 and 23 for the replacement of the Secondary Dwelling Ordinance with a new ordinance for Accessory Dwelling Units (ADUs). The Board of Supervisors adopted amendments to Table "O" of the Coastal Framework on June 16, 2020. These amendments would allow ADUs to be established in the Community of Los Osos. The amendments to Title 23 and Table "O" of the Coastal Framework for Planning are currently under review by the California Coastal Commission. Until such amendments are approved by the California Coastal Commission, the County will review ADU applications for consistency with State ADU law, which would allow for the construction of ADUs in the Coastal Zone. On March 12, 2021, Coastal Commission found that Los Osos ADU projects approved by the County thus far raise a substantial issue and did not hold a hearing on the question. The Commission took jurisdiction over the projects and voided the County's prior approval. The next step in the process is the de novo hearing, which has not yet been scheduled. The Commission would prefer to take an action on the County's proposed ADU Ordinance before taking an action on individual projects. The Commission has requested additional information from the County about the ADU Ordinance. The County is preparing a response, which includes coordinating with the Los Osos water purveyors regarding ADUs.

Please contact Kylie Hensley at khensley@co.slo.ca.us for more information.

Rainfall and Reservoir Updates

Sub-Region	Area / Rain Station	Average Annual Rainfall	2020-21 Water Year Total Rainfall	2021-22 Water Year												Cumulative Total	% of Total Average	
				July 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22			
North Coast	Cambria Area (ALERT #717)	22.0	15.84 (72%)	0	0 ^A												0	0%
	Whale Rock Reservoir (County Site #166.1)	16.0	9.36 (58%)	0	0												0	0%
	Paso Robles (County Site #10.0)	14.1	8.27 (59%)	0	0 ^A												0	0%
Inland	NE Alisaladero (ALERT #711)	17.0	6.89 (41%)	0	0 ^A												0	0%
	Alascadero MWC (County Site #34.0)	17.5	8.80 (50%)	0.01	0												0.01	0%
	Santa Margarita (ALERT #723)	24.0	11.31 (47%)	0	0 ^A												0	0%
	Salinas Dam (ALERT #719)	20.9	11.54 (55%)	0	0 ^A												0	0%
	Rocky Butte (ALERT #703)	40.0	19.89 (50%)	0	0.12 ^A												0.12	0%
	SLO Reservoir (ALERT #749)	24.0	11.50 (48%)	0.08	0 ^A												0.08	0%
South Coast	Lopez Dam (ALERT #737)	21.0	10.65 (51%)	0.04	0.01 ^A												0.05	0%
	Nipomo South (ALERT #730)	16.0	6.81 (43%)	0	0.04 ^A												0.04	0%
	Nipomo East (ALERT #728)	18.0	7.41 (41%)	0	0 ^A												0	0%

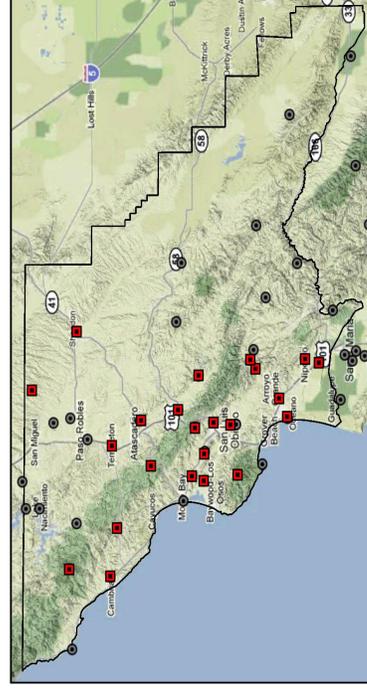
Notes:
 A - Report generated at 11:00 AM, on 08-19-2020
 B - Due to an equipment malfunction, not all rain was recorded at this site.
 C - Information not available at time of update
 D - Missing Data

Reservoir Update

Reservoir	Date	Water Elevation (ft)	Spillway Elevation (ft)	Storage (acre-feet)	Capacity (%)
Nacimiento Reservoir	August 20, 2021	711.1	787.75 - 800.0	52,250	14%
	August 18, 2020	741.6	(figures vary instead)	124,280	
San Antonio Reservoir	August 18, 2020	666.7	780.0	23,710	7%
	August 18, 2020	705.7		73,510	
Lopez Reservoir	August 20, 2021	5.4	522.7	16,144	33%
	August 19, 2020	486.5		22,974	
Salinas Reservoir (Santa Margarita Lake)	August 20, 2021	1,285.6	1300.7	14,407	60%
	August 19, 2020	1,293.3		18,807	
Whale Rock Reservoir	August 20, 2021	197.3	218.3	29,408	75%
	August 12, 2020	203.4		32,033	
Twitchell Reservoir	August 20, 2021	536.0	651.5	1,373	1%
	August 19, 2020	543.3		4,113	

Note 1: Historically, Twitchell Reservoir elevation gauge does not report values below 539 ft. Twitchell Reservoir was designed for protection from flood and drought. Excess rain runoff is stored in the reservoir protecting the valley from flood, then water is released as quickly as possible while still allowing it to recharge the groundwater basin.
 Note 2: In May 2014, the Whale Rock Commission adopted a new Bathymetric Study and Volumetric Analysis with new lake capacity and spillway elevation values. Those new values are reflected in this report.

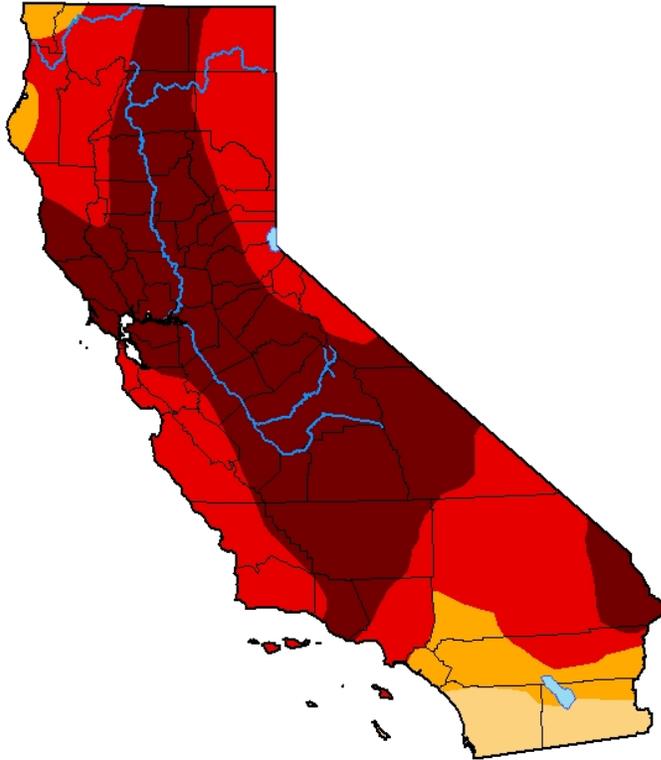
Select Real-Time Rain Gauges in SLO County



Notes:
 Sites maintained by County staff are identified with red squares.
 Sites maintained by other agencies are identified with black circles.
 For more information, please contact Joe Belancourt, (805)781-2767.

U.S. Drought Monitor California

August 24, 2021
(Released Thursday, Aug. 26, 2021)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	95.58	88.37	47.40
Last Week <i>08-17-2021</i>	0.00	100.00	100.00	95.58	88.37	48.97
3 Months Ago <i>05-25-2021</i>	0.00	100.00	100.00	94.61	74.46	26.04
Start of Calendar Year <i>12-29-2020</i>	0.00	100.00	95.17	74.34	33.75	1.19
Start of Water Year <i>09-29-2020</i>	15.35	84.65	67.65	35.62	12.74	0.00
One Year Ago <i>08-25-2020</i>	20.55	79.45	54.38	31.88	3.04	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

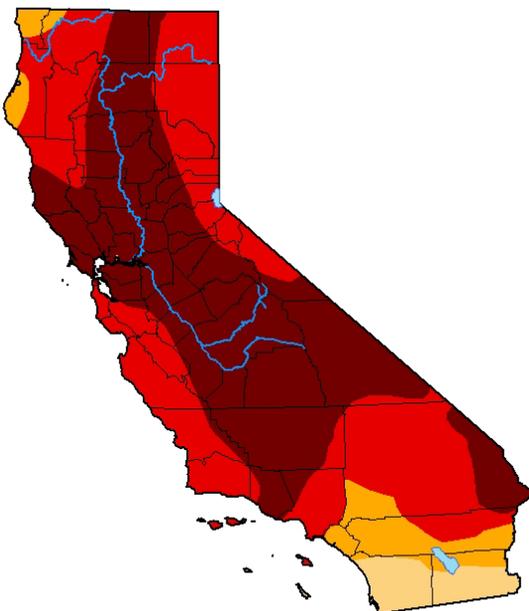
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

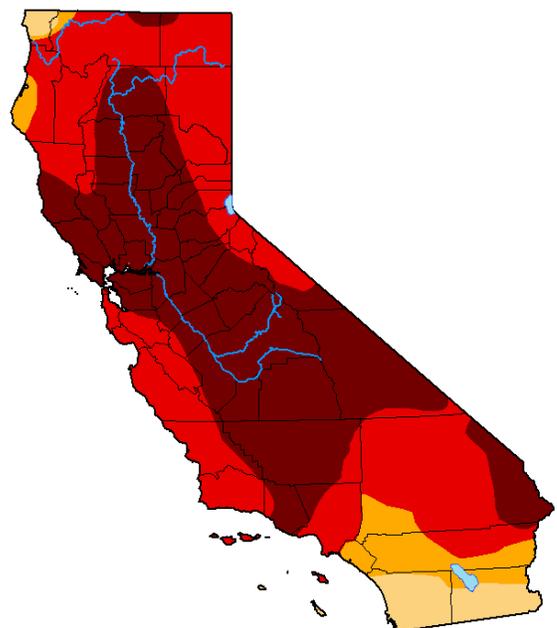
Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu



August 17, 2021



August 10, 2021

TO: Water Resources Advisory Committee

FROM: Brendan Clark, Supervising Water Resources Engineer

DATE: September 1, 2021

SUBJECT: Agenda Item 4: Drought in San Luis Obispo County, Panel Discussion: Scotty Jalpert, County of SLO Office of Emergency Services; Ben Fine, City of Pismo Beach; Ray Dienzo, Cambria Community Services District

Discussion

On July 8th, 2021, Governor Newsom added San Luis Obispo County to the State's Drought Declaration. Subsequently, the County of SLO Board of Supervisors declared a local emergency related to drought conditions on July 13th, 2021.

As we have been tracking in on-going updates, our local drought monitor status has progressed from "Abnormally Dry" in February 2021 to entirely "Extreme Drought" in July 2021.

The Committee will be hosting panels related to drought in SLO County, its effects and how we prepare for these events. First up we have the County and urban water supplier response. In a future meeting, we intend to have an agriculture focused panel.

This month's urban water supplier panel will include discussion about the County's role in drought response, urban water management planning, coastal aquifer effects of drought, Lopez Lake updates, etc.

Websites

- August 10, 2021, Board of Supervisors Drought update:
<https://agenda.slocounty.ca.gov/iip/sanluisobispo/agendaitem/details/13642>
- August 24, 2021, Board of Supervisors activation of the Lopez Lake Low Reservoir Response Plan:
<https://agenda.slocounty.ca.gov/iip/sanluisobispo/agendaitem/details/13633>

TO: Water Resources Advisory Committee

FROM: Brendan Clark, Supervising Water Resources Engineer

DATE: September 1, 2021

SUBJECT: Agenda Item 5: Receive presentation from staff regarding the Draft Regional Water Infrastructure Resiliency Plan

Recommendations

Receive presentation from staff regarding Draft Regional Water Infrastructure Resiliency Plan.

Discussion

The Draft Regional Water Infrastructure Resiliency Plan began in 2018 in response to the 2011-2017 drought. It provides a point-in-time overview of the available water supply, current and future water demand, and a qualitative evaluation of resiliency for 40 water systems in SLO County. This “qualitative evaluation of resiliency” considered the potential effects of droughts, climate change, critical failure/disaster, and more.

After this evaluation, the report proposes long-term solutions (e.g. connection to a second source of supply via an intertie and mutually beneficial agreement) for those agencies with the least resiliency and no known mitigation measure(s).

The executive summary is attached, and the entire draft report is available via the County's website at the link below.

Please note: This report includes a point-in-time “compilation of readily available” water supply and demand information. This report was created prior to the release of the 2020 Urban Water Management Plan (UWMPs) for our larger purveyors. Staff intends to include the methodology of this draft report in the forthcoming update to the Master Water Report, which will allow the County to track resiliency as UWMPs and similar plans are updated over time.

Attachments

- Executive Summary of the Draft Regional Water Infrastructure Resiliency Plan.

Websites

- Draft Regional Water Infrastructure Resiliency Plan:
<https://www.slocounty.ca.gov/Departments/Public-Works/Forms-Documents/Projects/Regional-Water-Infrastructure-Resiliency-Planning/RWIR-Plan-Public-Draft-2021-7-30.pdf>
- Regional Water Infrastructure Resiliency Planning Project website:
<https://www.slocounty.ca.gov/Departments/Public-Works/Current-Public-Works-Projects/Regional-Water-Infrastructure-Resiliency-Planning.aspx>

1 EXECUTIVE SUMMARY

1.1 PURPOSE, OBJECTIVES, PROCESS AND OUTCOMES

What is the purpose of the Regional Water Infrastructure Resiliency Plan (RWIRP)?

The purpose of the RWIRP is to develop:

- A structured analysis of San Luis Obispo County’s regional water supply vulnerabilities and opportunities to improve resiliency.
- A framework for supply reliability and resilience information that facilitates collaboration amongst San Luis Obispo County water purveyors to further resiliency initiatives.

What are the objectives of the RWIRP?

The objectives of the RWIRP include the following:

1. Fulfill 2012 San Luis Obispo County Master Water Report (2012 Master Water Report) recommendations.
2. Address one of the critical Countywide Water Action Team (CWAT) priority focus areas.
3. Aid in meeting State-mandated drought planning requirements per Assembly Bill 1668
4. Integrate local and regional water planning efforts.
5. Provide a launching pad for a “living document” for project planning & collaboration, funding opportunities, and implementation.
6. Support preparedness for the inevitability of future droughts and water shortages due to climate change, natural disasters, infrastructure maintenance and failures, regulatory/environmental considerations, and water rights factors.
7. Utilize “green light” thinking to identify how regional resources could be connected based on an engineering perspective, with the understanding that regulatory, political and economic factors would need to be considered to determine the ultimate feasibility of the concepts.

What was the RWIRP’s process used to fulfill the purpose and objectives?

The steps the CWAT utilized to develop the RWIRP are described below and shown in Figure 1 below.

Supply/Demand Assessment – The Supply/Demand Assessment includes a compilation of readily available information on each water purveyor’s water supply availability, anticipated demands and existing exchange/transfer agreements.

Drought Risk Assessment – The Drought Risk Assessment evaluates and quantifies each purveyor’s water supply portfolio’s ability to reliably provide water during extended drought conditions.

Supply Source Risk Assessment – The Supply Source Risk Assessment evaluates the vulnerability of each of the major water supply sources to Climate Change, Natural Disaster, Maintenance Shutdowns and Failures, and Regulatory, Environmental and Water Rights challenges. An aggregate Supply Source Risk

Score is evaluated for each purveyor based on the percentage that each supply source makes up of its water supply portfolio.

Resiliency Risk Score – The Resiliency Risk Score combines the Drought Risk and Supply Source Risk Assessments scores, along with additional scoring criteria, to develop a combined Resiliency Risk Score for each purveyor and a prioritized list of agencies in need of enhanced resiliency.

Resiliency Risk Mitigation Opportunities Evaluation – Resiliency Risk Mitigation Opportunities Evaluation identifies and evaluates mitigation opportunities to improve water supply reliability for the most vulnerable purveyors.

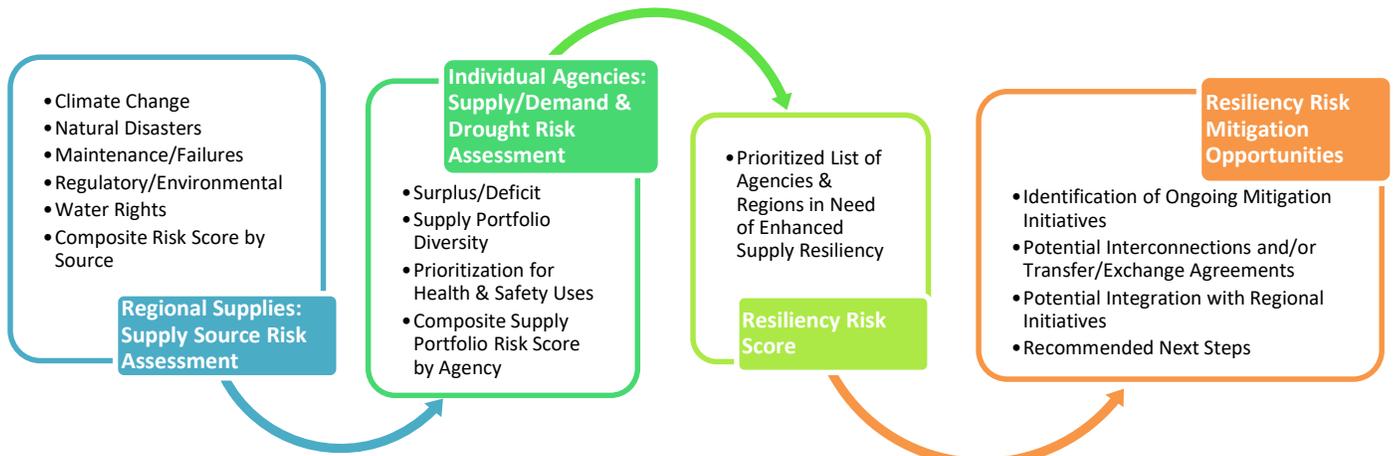


Figure 1. RWIRP Methodology

What are the conclusions of the RWIRP?

The Resiliency Risk Evaluation identified a number of agencies that have elevated resiliency risk scores and are Potentially Vulnerable to extended drought or infrastructure failure conditions. The majority of these agencies are already working on Resiliency Risk Mitigation Opportunities (i.e. resiliency improvement projects, interconnections and/or transfer/exchange agreements to improve water supply resiliency). However, there were five agencies in four regions (San Miguel, Edna, Los Osos & Chorro Valley) that the CWAT identified as potentially vulnerable and that could benefit from improved water supply resiliency.

Of the agencies and regions identified as Potentially Vulnerable and without identified Resiliency Risk Mitigation Opportunities, one was determined to be isolated from the regional water conveyance infrastructure and neighboring agencies and thus not able to improve resiliency through readily achievable interconnections and/or transfer/exchange agreements. Though the CWAT did not identify Resiliency Risk Mitigation Opportunities for this agency, potential vulnerabilities warrant further investigation to determine potential projects or other opportunities to improve water supply resiliency.

The remaining four regions were determined by the CWAT to be located within sufficient proximity to the regional infrastructure or neighboring agencies to warrant investigation of potential interconnection and/or transfer/exchange opportunities to improve resiliency. For these agencies, the CWAT identified potential Resiliency Risk Mitigation Opportunities and performed a high-level scoring and ranking evaluation to assist the San Luis Obispo County Flood Control & Water Conservation District (District) and the Potentially Vulnerable agencies in identifying preferred resiliency improvement opportunities and taking the next steps toward implementation.

The majority of the Resiliency Risk Mitigation Opportunities identified by the CWAT included connecting the Potentially Vulnerable agencies with regional conveyance infrastructure or developing an interconnection and/or transfer/exchange agreement with a neighboring agency with a more resilient water supply portfolio. Connections to the State Water Project (SWP) and the Nacimiento Water Project (NWP) were identified as potential opportunities to improve resiliency for the majority of the Potentially Vulnerable agencies. Specific outcomes for each region with Potentially Vulnerable agencies are described as follows:

San Miguel – The highest ranking Resiliency Risk Mitigation Opportunity identified for San Miguel included purchasing Salinas River water rights from an upstream water rights holder and pumping underflow from new gallery wells. Alternatively, NWP water could potentially be percolated, but that would require use of recharge facilities, which was not included in this analysis. Agencies in the region see this project and other interconnections as an engineering opportunity but anticipate that cost would make them infeasible unless integrated into a larger regional project with Camp Roberts or another agency to make them more economically feasible. Furthermore, San Miguel CSD is pursuing optimized use of their well field or other potential well sites and developing recycled water to offset potable use.

Edna – The highest ranking Resiliency Risk Mitigation Opportunity identified for Edna included connecting to the SWP pipeline and purchasing SWP Water. An alternative that was not analyzed is the potential for San Luis Obispo to connect to SWP and wheel SWP water to Golden State Water Company (GSWC), which could provide additional potential exchange opportunities between SWP, NWP, Salinas and Whale Rock agencies. Some other potential opportunities that were brainstormed during this

process included potential use of the SWP Management Tools¹ for more flexibility to provide water, or potentially the opportunity to partner with other agencies in the County to share cost of SWP buy-in and contracting. Another opportunity that was additionally considered was a potential emergency intertie with the City of San Luis Obispo. For this alternative to be feasible, the City San Luis Obispo would need to change existing ordinances prohibiting the sale of potable water outside of the City limits and alter its place of use within water rights permits for its surface water supplies. GSWC, the District and San Luis Obispo intend to continue exploring potential opportunities.

Los Osos – The highest ranking Resiliency Risk Mitigation Opportunity identified for Los Osos included constructing an interconnection with the City of Morro Bay. The interconnection would allow for the delivery of municipal blend water from Morro Bay’s distribution system to Los Osos. An alternative that was not analyzed is the potential for water to be transferred from Los Osos to Morro Bay in the event of an infrastructure failure for SWP or Chorro Valley pipelines or to enhance conjunctive use opportunities. The Los Osos water purveyors intend to further investigate this and other potential opportunities in conjunction with the additional programs identified in the Los Osos Basin Plan to improve water supply sustainability.

Chorro Valley – The highest ranking Resiliency Risk Mitigation Opportunity identified for the Chorro Valley included construction of a Salinas/NWP intertie. An extension of the NWP pipeline to an old Salinas pipeline to Chorro Valley Reservoir and WTP at the California Men’s Colony could provide multiple opportunities for additional water and in-lieu exchanges in the Chorro Valley, including the potential to purchase water from the NWP Sales Program². The District intends to seek funding to inspect old Salinas line infrastructure, continue previous work the County started in 2014 to interconnect to Chorro, investigate a potential bypass option, and look further into capacity and treatment constraints.

In addition to the specific Resiliency Risk Mitigation Opportunities and related findings, the process of developing the RWIRP was determined to provide the additional regional water resource planning benefits described below:

¹ For more information on the State Water Project Water Management Tools Study, visit:
<https://www.slocounty.ca.gov/Departments/Public-Works/Current-Public-Works-Projects/State-Water-Project-Water-Management-Tools-Study.aspx>

² The Nacimiento Water Project Water Sales Program is being developed in coordination with the Nacimiento Project Commission: <https://www.slocounty.ca.gov/Departments/Public-Works/Committees-Programs/Nacimiento-Project-Commission.aspx>

Enhanced Relationships – The workshop format of the RWIRP provided the opportunity for key staff from water agencies in the County to improve and enhance relationships through engaging in an open dialog, working together collaboratively, and developing a common understanding of water supply challenges and opportunities for their agency and/or their neighboring agencies.

Systematic Evaluation – The comprehensive and systematic evaluation of resiliency risk provided the District and the participating agencies with an improved understanding of potential water supply vulnerabilities, will aid in determining where to focus staff and budget resources, and provides justification for implementation of projects/initiatives to improve water supply resiliency in San Luis Obispo County moving forward.

What are the recommendations from the RWIRP?

The District, CWAT and other relevant agencies should continue evaluation and collaboration to advance short-term initiatives to improve resiliency, such as the ongoing Countywide Emergency Planning priorities (Appendix D) and the RWIRP Resiliency Risk Mitigation Opportunities as well as long-term Initial Regional Water Resiliency Concepts (Appendix A) and Salinas Dam and Desalination CWAT priorities (Appendix B).

Based on the conclusions and identified benefits of the RWIRP, the following recommendations were developed for improving water supply resiliency in San Luis Obispo County.

Dynamic Document – The framework developed for assessing resiliency risk and evaluating mitigation opportunities should be updated as new information is made available on the supply availability, future demands, mitigation projects or other parameters. The completion of the 2020 Urban Water Management Plans (UWMPs) and subsequent monthly and annual reporting requirements will provide opportunities to update the supply/demand component of the Resiliency Risk Assessment. Other State data sources could be used as well, such as electronic annual report (eAR) data from the State Water Resources Control Board- Division of Drinking Water. Updating the Resiliency Risk Assessment with new supply/demand estimates will likely impact the resiliency rankings as the 2020 UWMP updates will be the first formal supply/demand evaluation for most agencies following the recent unprecedented drought from 2012 – 2017 that identified new vulnerabilities in agencies' water supply portfolios.

Planning Integration – The RWIRP and the Resiliency Risk Assessment findings should be integrated with other local and regional water supply resiliency initiatives. DWR recently completed a vulnerability analysis of small water suppliers and rural communities and recently published final recommendations for county-wide drought planning (<https://water.ca.gov/Programs/Water-Use-And-Efficiency/2018-Water-Conservation-Legislation/County-Drought-Planning>). The results of the DWR analysis are also provided in an interactive map format (<https://dwr.maps.arcgis.com/apps/MapSeries/index.html?appid=3353b370f7844f468ca16b8316fa3c7b>). The RWIRP could be updated with more focus on rural and small water agencies from the DWR analysis. As more formal requirements for resiliency planning are developed, the RWIRP can be updated or used as a functional equivalent for meeting future drought planning and resiliency evaluation regulations.

As described in Section 2.5, the RWIRP is intended to be a platform for a “living document” resource and tool that can be integrated with and/or inform the following:

- Master Water Report
- Integrated Regional Water Management (IRWM) Plan
- UWMPs and Forthcoming Monthly and Annual State Reporting
- Sustainable Groundwater Management Act (SGMA) compliance documents and initiatives
- Individual Agency Supply Initiatives
- Regional Agency Supply Initiatives (e.g., SWP Management Tools, NWP Sales Program, etc.)

Enhanced Supply Risk Evaluation – The Supply Source Risk Assessment that was completed for the RWIRP could be improved through incorporation of Decision Support Software that would allow for evaluation of multiple variables to determine system vulnerabilities and development of probabilistic or probability-based assessments of vulnerability for the different water supply sources to extended droughts, natural disasters and infrastructure failures. Additionally, water agencies are required to report on resiliency vulnerabilities and mitigations for their Resiliency Risk Assessments (RRA) and Emergency Response Plans (ERP) to meet America’s Water Infrastructure Act (AWIA) requirements.

Regional Interconnections – The RWIRP focused on evaluation of the vulnerabilities and interconnection mitigation opportunities to improve resiliency for the most vulnerable agencies and those without identified mitigation opportunities. The RWIRP and Countywide Emergency Planning CWAT priorities represent opportunities to get “quick wins” through lower effort interconnections and agreements from agency to agency and provide a launching pad for larger regional projects. There is significant potential to improve resiliency for other agencies through larger regional projects identified in the Initial Regional Water Resiliency Concepts (Appendix A) and Salinas Dam and Desalination CWAT priorities. These larger initiatives could allow the transfer of water between different supply sources (e.g. North County/South County Water Supply interconnection, Salinas/Lopez Reservoir interlake tunnel, etc.). Analysis of these additional opportunities should be included in future phases of the RWIRP and other District/CWAT initiatives (Appendix B).

TO: Water Resources Advisory Committee

FROM: Brendan Clark, Supervising Water Resources Engineer

DATE: September 1, 2021

SUBJECT: Item 7: Discuss Approach for Future Meeting Planning and Future Agenda Items

2021-2022 WRAC Meeting Planning

The following potential topics have been identified for the 2021-2022 WRAC year. A survey will be sent to all WRAC members to solicit additional topics and determine interest and prioritization.

- Water Infrastructure Resiliency
- Urban Water Management Plans
- Agriculture and Landscape Irrigation Efficiency
- Industrial/Hospitality Water Efficiency
- Drought Conditions and Impacts
- Desalination
- Stormwater Capture

Upcoming Meetings

October 6, 2021 – Expected Topic(s)

- Panel discussion related to drought & agriculture in San Luis Obispo County – TBD

Areas of Interest – Future

- Sustainable Groundwater Projects – Creek Lands Conservation
- Consider Recreational use of water resources to be under purview of WRAC
- Update on policies and studies related to groundwater in fractured rock
- Update on Salinas Reservoir Dam Project
- Well permitting regulation as a tool for groundwater management
- Desalination opportunities
- Nacimiento and San Antonio Lake Tunnel Project
- Regional Water Quality Control Board – Stormwater Capture
- Biosolids Updates (i.e. barriers, regulations, etc.)

Excerpt from WRAC By-laws dated September 1, 2020

Administration: The Secretary, in cooperation with the Chairperson, shall prepare the agenda for each regular and special meeting of the WRAC. Any WRAC member may contact the Secretary and Chairperson and request that an item be placed on the regular meeting agenda no later than 4:30 p.m. twelve calendar days prior to the applicable meeting date. Such a request must be also submitted in writing either at the time of communication with the Secretary or delivered to the County Public Works Department within the next working day. Consideration of the request by the Secretary, in cooperation with the Chairperson, for inclusion on the agenda will be limited to include review for consistency with District and Board of Supervisors priorities, the mandate of the WRAC, and available time.