

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

Wednesday November 4<sup>th</sup>, 2020

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

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

**WRAC Informational Packet**

1.	Determination of a Quorum and Introductions	1:35pm
2.	Approval of September 2, 2020 Meeting Minutes	1:45pm
3.	Election for Vice-Chairperson	1:55pm
4.	Consider recommending participating in the preliminary planning and design phase of the State Water Delta Conveyance Project and consider forming an ad-hoc subcommittee to participate in the Water Management Tools Study process	2:05pm
5.	Receive Presentation from Mark Battany of the UC Cooperative Extension on Evapotranspiration	2:30pm
6.	Receive Update from County Environmental Health Department on the interim moratorium on the land application of treated sewage sludge/biosolids	2:55pm
7.	Ongoing Updates: <ul style="list-style-type: none"> <li>a. Rain &amp; Reservoir Report</li> <li>b. California Drought Monitor Summary</li> <li>c. Groundwater Basin Management Efforts</li> <li>d. Integrated Regional Water Management (IRWM)</li> <li>e. Stormwater Resource Plan (SWRP)</li> <li>f. State Water Project (SWP)</li> <li>g. Various County Water Programs, Policies, and Ordinances</li> <li>h. Open Reporting on Water Conservation Opportunities &amp; Information</li> </ul>	3:00pm
8.	Public Comment for Items not on the Agenda	3:15pm
9.	Future Agenda Items	3:20pm

This agenda packet and attachments are available online at [www.slocounty.ca.gov/wrac](http://www.slocounty.ca.gov/wrac)

Next Regular Meeting:           December 2, 2020, 1:30 pm  
Teleconference

Please contact WRAC Secretary, Brendan Clark, with any questions. [bclark@co.slo.ca.us](mailto:bclark@co.slo.ca.us)

<p><b>Purpose of the Committee:</b>          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.</p> <p style="text-align: right;"><i>Excerpts from WRAC By-Laws dated September 1, 2020</i></p>
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## MINUTES (Draft)

Chairperson: Andy Pease  
Vice Chairperson: Eric Greening  
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 **September 2<sup>nd</sup>, 2020** 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 18 is established.

2) Approval of June 3, 2020 Meeting Minutes

A. Pease notes a clarification to change “council” to “counsel,” and C. Mulholland corrects grammar to “makes a motion” or “moves.”

L. Chipping corrects the wording of her statement as written in Item 3 of the previous minutes.

E. Greening corrects the wording of his statement as written in Item 5 of the previous minutes.

C. Mulholland moves for the approval of the previous meeting minutes as amended which is seconded by M. Guthrie. Motion carries (16-2-0).

3) 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)

B. Clark states that the BOS adopted the IRWM 2019 plan.

e) Stormwater Resource Plan (SWRP)

No comment.

f) State Water Project (SWP)

C. Howard updates that the BOS approved to move forward with joint funding agreement with CCWA to look at water management tools amendment with the purpose of how to manage district state water allocation and to revisit policies from 2003. The process is expected to last 6 months to a year.

g) SLO County Flood Control and Water Conservation District FY2020-21 Budget

No comment.

h) Various County Water Programs, Policies, and Ordinances

No comment.

i) Open Reporting on Water Conservation Opportunities & Information

G. Kendall comments that the agricultural community is facing implementation of Ag Order Number 4. He would like to see Order 4's impact before taking further steps and would like to see the regional water quality control board discuss Order 4 with WRAC once its finalized.

4) Future Agenda Items

D. Chipping states that Dana Reserve in Nipomo is adding 1,270 homes, and a water report by RRM states there is enough water coming in from the CSD, but it is not a member of the Nipomo CSD. He states that it could be useful to have RRM and hydrological analysts to discuss the water needs of Dana Reserve.

E. Eby states that Dana Reserve is a potential annexation, but there are several steps that need to be taken before the annexation. There was a cursory study, but Nipomo CSD will do a further study before deeming a sufficient water supply. He states that there will be more updates to come, and Nick Tompkins should present on these items in the future.

C. Mulholland returns to G. Kendall's point to second that the Regional Water Quality Control Board should present on Ag Order 4.

C. Howard states that there will be a Salinas reservoir project board item on September 22<sup>nd</sup>.

E. Greening adds to the meeting chat that he may need to resign from the position of vice chair if meetings remain virtual due to technical challenges. He suggests at the next meeting there should be some action to fill the vice chair role.

5) Public Comment on Items not on the Agenda

B. Clark gives an update on a prior WRAC motion on amending the bylaws. He states that the BOS accepted minor bylaw cleanups recommended by WRAC, but they chose to amend the bylaws, with the inclusion of a grandfather clause, so that there can not be any multiple affiliations.

C. Howard shares personnel updates: Catherine Martin is now the Technical Unit supervisor and is taking lead on adding public wells on county properties. Madeline Travis is the new CivicSpark fellow working on furthering stormwater recharge understanding.

M. Bandov shares the County is in the process of investigation of the Adelaida Area in coordination with USGS for a hydrological study.

Meeting Adjourned at 2:30.

DRAFT



**Water Resources Advisory Committee - Roll Call Vote Form**  
Meeting Date: 9/2/2020

Organization	Representative		MOTION 1: Minutes				MOTION 2:				MOTION 3:				MOTION 4:			
			AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT
<b>DISTRICT</b>																		
District 1	Dennis Loucks	M	X															
	(Vacant)	A			X													
District 2	Tom Gray	M																
	Neal MacDougall	A																
	(Vacant)	M																
District 3	Natalie Risner	A																
District 4	Jim Garing	M																
	(Vacant)	A																
District 5	Greg Grewal	M																
	(Vacant)	A																
<b>AT-LARGE</b>																		
Agriculture At-Large	Kurt Bollinger	M																
	(Vacant)	A																
Agriculture At-Large	George Kendall	M	X															
	(Vacant)	A																
Development At-Large	Greg Nester	M																
	Tim Walters	A																
Environmental At-Large	Christine Mulholland	M	X															
	(Vacant)	A																
Environmental At-Large	Eric Greening	M	X															
	(Vacant)	A																
Environmental At-Large	David Chipping	M	X															
	Stephnie Wald	A																
<b>RCDs</b>																		
Coastal San Luis RCD	Linda Chipping	M																
	Rob Rutherford	A																
Upper Salinas RCD	Michael Broadhurst	M																
	Tom Mora	A																
<b>OTHERS</b>																		
Atascadero Mutual	John Neil	M																
	Jaime Hendrickson	A			X													
California Men's Colony	Scott Buffaloe	M																
	Mike Schwartz	A																
Camp SLO	John Reid	M																
	Jubilee Satele	A																
County Farm Bureau	Steve Carter	M	X															
	Brent Burchett	A																
Cuesta College	(Vacant)	M																
	(Vacant)	A																
Golden State Water	Anthony Lindstrom	M	X															
	Matthew Hubbard	A																
Shandon-San Juan Water District	Stephen Sinton	M	X															
	Kevin Peck	A																
Estrella El Pomar Creston Water District	Lee Nesbit	M																
	Hilary Graves	A																
<b>CITIES</b>																		
City of Arroyo Grande	Lan George	M																
	Kristen Barneich	A																
City of Atascadero	Charles Bourbeau	M	X															
	Nick DeBar	A																
City of Grover Beach	Desi Lance	M																
	(Vacant)	A																
City of Morro Bay	Marlys McPherson	M																
	Rob Livick	A																
City of Paso Robles	Christopher Alakel	M																
	Kirk Gonzales	A																
City of Pismo Beach	Marcia Guthrie	M	X															
	Sheila Blake	A																
City of San Luis Obispo	Andy Pease	M	X															
	Carlyn Christianson	A																
<b>CSDs</b>																		
Avila Beach CSD	Brad Hagemann	M																
	(Vacant)	A																
Cambria CSD	Ray Dienzo	M	X															
	Melissa B.	A																
Heritage Ranch CSD	Scott Duffield	M																
	Jason Molinari	A																
Los Osos CSD	Chuck Cesena	M																
	Ron Munds	A	X															
Nipomo CSD	Craig Armstrong	M																
	Ed Eby	A	X															
Oceano CSD	Shirley Gibson	M																
	Linda Austin	A																
San Miguel CSD	Anthony Kalvans	M																
	(Vacant)	A																
San Simeon CSD	Charles Grace	M																
	(Vacant)	A																
Templeton CSD	Tina Mayer	M																
	Geoff English	A	X															
			16		2													

QUORUM (MIN. 12) : 18

**MOTION 1**

Item #: 2 Pass/Fail?: \_\_\_\_\_

Motion Maker: C. Mulholland Second: M. Guthrie

AYE: 16 NO: 0 ABSTAIN: 2 ABSENT: \_\_\_\_\_

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) 2020

Organization	Representative	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>SUPERVISOR DISTRICT</b>														
District 1	Dennis Loucks	M			X		X	X			X			
	(Vacant)	A												
District 2	Tom Gray	M			X						X			
	Neal MacDougall	A												
District 3	(Vacant)	M												
	Natalie Risner	A												
District 4	Jim Garing	M			X		X	X						
	(Vacant)	A												
District 5	Greg Grewal	M			X		X	X						
	(Vacant)	A												
<b>AT-LARGE</b>														
Agriculture At-Large	Kurt Bollinger	M												
	(Vacant)	A												
Agriculture At-Large	George Kendall	M						X			X			
	(Vacant)	A												
Development At-Large	Greg Nester	M												
	Tim Walters	A			X		X	X						
Environmental At-Large	Christine Mulholland	M			X		X	X			X			
	(Vacant)	A												
Environmental At-Large	Eric Greening	M			X		X	X			X			
	(Vacant)	A												
Environmental At-Large	David Chipping	M			X		X	X			X			
	Stephnie Wald	A			X						X			
<b>RCDs</b>														
Coastal San Luis RCD	Linda Chipping	M			X		X	X			X			
	Rob Rutherford	A												
Upper Salinas RCD	Michael Broadhurst	M												
	Tom Mora	A			X									
<b>OTHERS</b>														
Atascadero Mutual	John Neil	M												
	Jaime Hendrickson	A					X				X			
California Men's Colony	Scott Buffaloe	M												
	Mike Schwartz	A												
Camp SLO	John Reid	M			X		X	X						
	Jubilee Satele	A												
County Farm Bureau	Steve Carter	M			X			X			X			
	Brent Burchett	A						X			X			
Cuesta College	(Vacant)	M												
	(Vacant)	A												
Golden State Water	Anthony Lindstrom	M			X		X	X			X			
	Matthew Hubbard	A												
Shandon-San Juan Water District	Stephen Sinton	M					X	X			X			
	Kevin Peck	A												
Estrella-El Pomar-Creston Water District	Lee Nesbit	M			X		X							
	Hilary Graves	A						X						
<b>CITIES</b>														
City of Arroyo Grande	Lan George	M												
	Kristen Barneich	A												
City of Atascadero	Charles Bourbeau	M					X				X			
	Nick DeBar	A												
City of Grover Beach	Desi Lance	M			X									
	(Vacant)	A												
City of Morro Bay	Marlys McPherson	M			X									
	Rob Livick	A												
City of Paso Robles	Christopher Alakel	M												
	Kirk Gonzalez	A												
	Keith Larson	O												
City of Pismo Beach	Marcia Guthrie	M			X						X			
	Sheila Blake	A												
	Chad Stoehr	O												
City of San Luis Obispo	Andy Pease	M			X		X	X			X			
	Carlyn Christianson	A												
	Aaron Floyd	O												
	Mychal Boerman	O					X							
<b>CSDs</b>														
Avila Beach CSD	Brad Hagemann	M												
	(Vacant)	A												
Cambria CSD	Ray Dienzo	M						X			X			
	Melissa Bland	A						X						
Heritage Ranch CSD	Scott Duffield	M												
	Jason Molinari	A												
Los Osos CSD	Chuck Cesena	M												
	Ron Munds	A			X			X			X			
Nipomo CSD	Craig Armstrong	M			X		X	X						
	Ed Eby	A			X		X	X			X			
	Mario Iglesias	O												
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	Tina Mayer	M												
	Geoff English	A						X			X			
<b>STAFF</b>														
Agricultural Commissioner	Lynda Auchinachie	Staff			X						X			
Planning and Building		Staff			X									
Public Works	Courtney Howard	Staff			X		X	X			X			
	Mladen Bandov	Staff			X						X			
	Brendan Clark	Staff			X	X	X	X			X			
	Sarah Crable	Staff			X		X							
	Lucia Mercado	Staff			X						X			
	Mark Chiramonte	Staff			X						X			

Notes: M = Member; A = Alternate Member; O = Other Representative (Staff, Council, Board, etc.)  
11/4/2020 WRAC



**WATER RESOURCES ADVISORY COMMITTEE (WRAC)  
GUEST LIST 2019**

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			
Jean-Pierre Wolff	RWQCB	/	/		/			/	/				
Willy Cunha	Shandon-San Juan Water District	/	/		/			/	/				
Mary Margaret McGuire	SSCSD	/	/		/			/	/				
Devin Best	USLTRCD	/	/		/			/	/				
Charlie Cote	S+T Mutual Water Co Los Osos	/	/		/			/	/				
Arielle Ellis	Golden State Water	/	/		/			/	/				
John Snyder		/	/		/			/	/				
Cheryl Cunway	Cayucos Citizens Advisory Council	/	/		/			/	/				
Dominic Roques	Central Coast Waterboard	/	/		/			/	/				
Mark Zimmer	Golden State Water	/	/		/			/	/	X			
Mark Scudato	Santa Barbara County Water Agency	/	/		/			/	/				
Angelina McKee	City of SLO	/	/	X	/			/	/				
Lucia Mercado	County of SLO	/	/		/			/	/				
Valerie Bednarski	Tvle Technologies	/	/		/			/	/				
Taylor Gullikson	County of SLO-PW	/	/	X	/			/	/				
Cynthia Replogle	none	/	/	X	/	X		/	/	X			
Ron Reilly	GTA	/	/	X	/			/	/				
Bryan Chen	City of SLO	/	/	X	/			/	/				
Will Clemens	OSCD	/	/		/			/	/	X			
Matthew Scudato	OSCD	/	/		/			/	/	X			
Mark Battany	UC Cooperatibe Extension	/	/		/			/	/	X			



**TO: Water Resources Advisory Committee**

**FROM: Brendan Clark, Supervising Water Resources Engineer**

**DATE: November 4, 2020**

**SUBJECT: Agenda Item 3: Election for Vice-Chairperson**

### **Recommendations**

Elect Vice-Chairperson for the remainder of the 2020-2021 term.

### **Discussion**

During the September 2 meeting, Vice Chairperson Eric Greening suggested he step down as vice chair due to concerns about reliably being able to chair virtual meetings. Subsequent to this meeting, the Secretary received an email from Mr. Greening formally resigning from the position.

As stated in the WRAC By-laws, Article V, the WRAC shall elect a Chairperson and Vice-Chairperson at the March meeting. These officers shall be selected from the members of the WRAC and elected by a majority vote of members present (or alternates present in their place).

There are no official rules adopted by the WRAC to conduct elections, but historically, Roberts Rules of Order were used as a good guideline to conduct nominations and elections.

## Brendan Clark

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**From:** Eric Greening <dancingsilverowl@gmail.com>  
**Sent:** Tuesday, October 27, 2020 1:34 PM  
**To:** apeace\_slocity.org <apease@slocity.org>  
**Cc:** Brendan Clark <BClark@co.slo.ca.us>  
**Subject:** Re: [EXT]Re: 11/4 WRAC Agenda - Draft

Hello!

This message is to formally inform our WRAC chair of my resignation from the position of vice chair. I am retaining my WRAC seat and intend to continue to fully participate as an Environmental representative, but when I agreed to serve as vice chair, it was prior to the indefinite hiatus in live meetings. My technical challenges are such that I would not feel qualified to reliably chair a virtual meeting, so I need to retreat from a position in which I would be responsible for doing just that. I hope that one or more candidates for the vice chair position, with better technical skills and equipment than I have, would willingly step forward.

Thank you for understanding,

Eric Greening

**TO: Water Resources Advisory Committee**

**FROM: Courtney Howard, Water Resources Division Manager**

**DATE: November 4, 2020**

**SUBJECT: Agenda Item 3: Consider Recommendations Related to the State Water Project**

## **Recommendations**

1. Consider recommending to the Board of Supervisors that the District participate in the preliminary planning and design phase of the State Water Delta Conveyance Project for the next two years via a Funding Agreement with the CA Department of Water Resources
2. Consider forming an ad-hoc subcommittee to participate in the Water Management Tools Study process

## **Discussion<sup>1</sup>**

### *Delta Conveyance Project Preliminary Planning and Design Funding Agreement*

Since the initial construction of the State Water Project (SWP), the CA Department of Water Resources (DWR) has been working to define a solution to address SWP water delivery issues associated with relying on the natural and human-made structures in the Delta<sup>2</sup> to bring water south. DWR is currently working on defining a proposed single tunnel project, which is being referred to as the Delta Conveyance (Facilities) Project (DCP). The DCP's overarching objective is to protect the SWPs ability to continue to deliver water south of the Delta. Additional objectives include making the SWP more resilient to the impacts of climate change and extreme weather events; minimizing the potential public health and safety impacts from reduced quantity and quality of water caused by earthquakes; and providing SWP operational flexibility to improve aquatic conditions and better manage risks of additional future regulatory constraints on project operations. Anticipated benefits of, and a timeline for, the DCP are further described in Attachment 1.

After fifteen public Contract amendment negotiations in early 2020, DWR and SWP Contractors agreed that Contractors must proportionately participate in the DCP at or above their allocation amount, or not at all. DWR is now asking the District to indicate whether it will participate in the first two years of a four-year preliminary planning and design phase for the DCP in proportion to its allocation amount (25,000 AFY) by signing a Funding Agreement to advance two years' worth (\$750,000) of the District's share of costs (\$2M) for

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<sup>1</sup> Please see [presentation](#) from the WRAC meeting on March 4, 2020 and item #5 from the WRAC meeting on 6/30/20 for additional background information related to the recommended actions.

<sup>2</sup> The confluence of the Sacramento and San Joaquin rivers and San Francisco bay, and network of levees therein to manage water supply, water quality and flooding in Northern California, is known as the Delta.

those preliminary efforts. The advance would be paid for using revenue from special State Water programs in 2008-09 and 2013-14. On November 20, 2019, the State Water Subcontractors Advisory Committee voted 4-0 with 3 abstentions to recommend participating during the planning phase. Because there are financial implications to the District as well as its Subcontractors, it is recommended that the WRAC also consider making a recommendation to the Board regarding participation in the planning phase of the DCP.

If the Funding Agreement is approved by the Board, in mid to late 2022, staff would return to the Board to consider whether the District will continue participating and advancing funds for the final two years, or to discontinue DCP participation. An estimate and schedule of the potential cost share advance for the District (\$1.183M) and its Subcontractors (\$862,000) is included in Attachment 2. The District (and its Subcontractors) would be reimbursed or receive a credit for the advanced funds upon the first sale of revenue bonds to pay for the DCP. The District's estimated share in the DCP is \$255 per AFY<sup>3</sup>. To the extent the DCP does not proceed, the advanced funds would not be recovered from DWR. If the District does not authorize signing the Funding Agreement, the District would be deciding that it will not participate in the DCP and other Contractors would absorb the District's share in the DCP.

#### *SWP Water Management Tools Study*

To evaluate and plan for the opportunities provided by the Water Management Tools Amendment, the Central Coast Water Authority (CCWA) and the District are working with a consultant with expertise in SWP issues. The scope of work for the consultant is included as Attachment 3. It is anticipated that this study will help staff develop updated policy recommendations regarding State Water. Staff recommends the WRAC consider whether to form an ad-hoc subcommittee of the WRAC that would participate in more detail in the process by attending public meetings, reporting back to the WRAC and helping to develop WRAC recommendations to the Board of Supervisors. The State Water Subcontractors will also be considering forming an ad-hoc subcommittee during their meeting on November 18<sup>th</sup>. The first joint public meeting with CCWA stakeholders is anticipated to be held online on November 30, 2020.

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<sup>3</sup> The estimated cost of the DCP as described in Attachment 1, in 2020 dollars and with planning level contingencies, is \$15.9B. Participating in proportion to the District's 25,000 AFY allocation would be a 0.6% share.

## Description of the Delta Conveyance Project

After decades of analysis and planning, on July 21, 2017, the Department of Water Resources (DWR) approved the project known as the California WaterFix Project (WaterFix), which was a dual conveyance project that involved two new diversion points and two tunnels moving water from the Sacramento River north of the Delta under the Delta to State Water Project (SWP) and Central Project water pumping facilities in the South Delta. In addition, in order to assist DWR with the design and construction of WaterFix and potential financing certain SWP Contractors entered in a Joint Powers Agreement in 2018 forming the Delta Conveyance Design and Construction Joint Powers Authority (DCA) and the Delta Conveyance Finance Authority. At the time, the project had approvals under California Environmental Quality Act (CEQA), Endangered Species Act (ESA), and California Endangered Act (CESA).

In the State of the State address in January 2019, Governor Newsom announced that he did not support WaterFix as configured but that he did support a one tunnel conveyance project. Consistent with this, in May 2019 the DWR rescinded its approvals of the WaterFix project and began planning for a single tunnel option. Shortly thereafter, DWR began public negotiations with the SWP Contractors to agree upon a framework, referred to as an Agreement in Principle (AIP), for the amendment of SWP water supply contracts to allocate costs and benefits in the event that a potential single tunnel facility was ultimately approved. The AIP will be the basis for a future contract amendment only if a project is ultimately approved and only after necessary environmental review is completed.

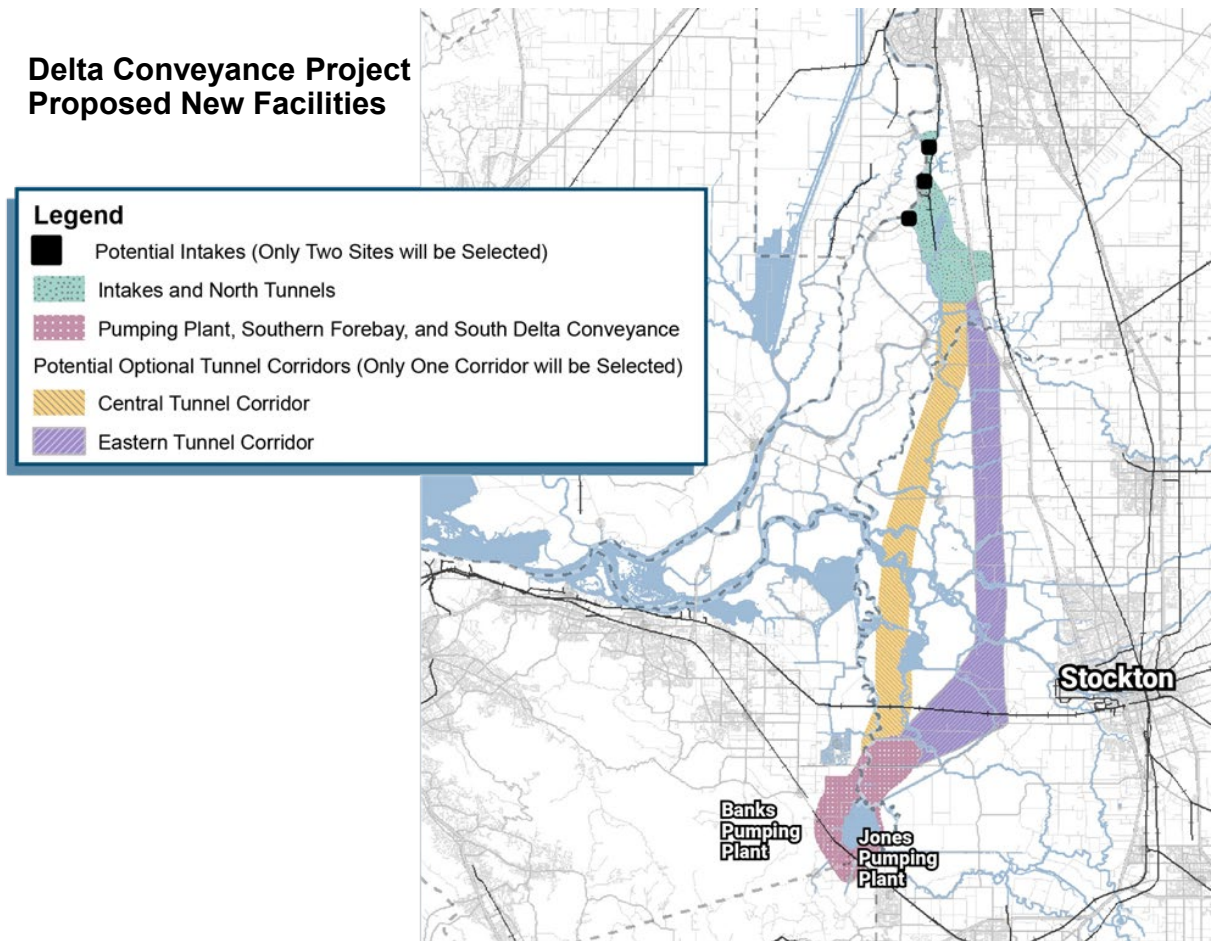
In January 2020, DWR released a Notice of Preparation of an Environmental Impact Report (EIR) pursuant to CEQA for a proposed single tunnel project with 6,000 cfs of capacity referred to as the Delta Conveyance Project (DCP). DWR is currently conducting environmental review and is relying on the DCA for engineering work related to defining the Project's footprint.

### Background on the Proposed Delta Conveyance Project

The existing SWP Delta water conveyance facilities, which include Clifton Court Forebay and Banks Pumping Plant in the south Delta, enable DWR to divert water and lift it into the California Aqueduct for south-of-Delta Contractors. As described in DWR's Notice of Preparation, the proposed DCP would construct and operate new conveyance facilities in the Delta that would add to and be operated as part of the existing SWP infrastructure. Specifically, new points of diversion with intake facilities would be located in the north Delta along the Sacramento River between Freeport and the confluence with Sutter Slough, and would include a single tunnel to convey water from the new intakes to the existing Banks Pumping Plant in the south Delta. The new facilities would provide an alternate location to divert Delta water within DWR's water and would be operated in coordination with the existing south of Delta pumping facilities, resulting in "dual conveyance" because there

would be two complimentary methods to divert and convey water. Dual conveyance does not mean DWR is seeking to expand their water rights, rather it refers to operating both the new points of diversion and the existing points of diversion in a manner that allows DWR flexibility to meet water quality standards.

The new north of Delta proposed project facilities would be sized to convey up to 6,000 cfs of water from the Sacramento River to the SWP facilities in the south Delta, and would include: two intakes (3,000 cfs each), one underground tunnel (two routes are being considered), intermediate and southern forebays, a pumping plant, south Delta conveyance facilities, and other ancillary facilities. DWR is considering other alternatives as part of the environmental review process, with capacities ranging from 3,000 to 7,500 cfs and participation with and without the CVP.

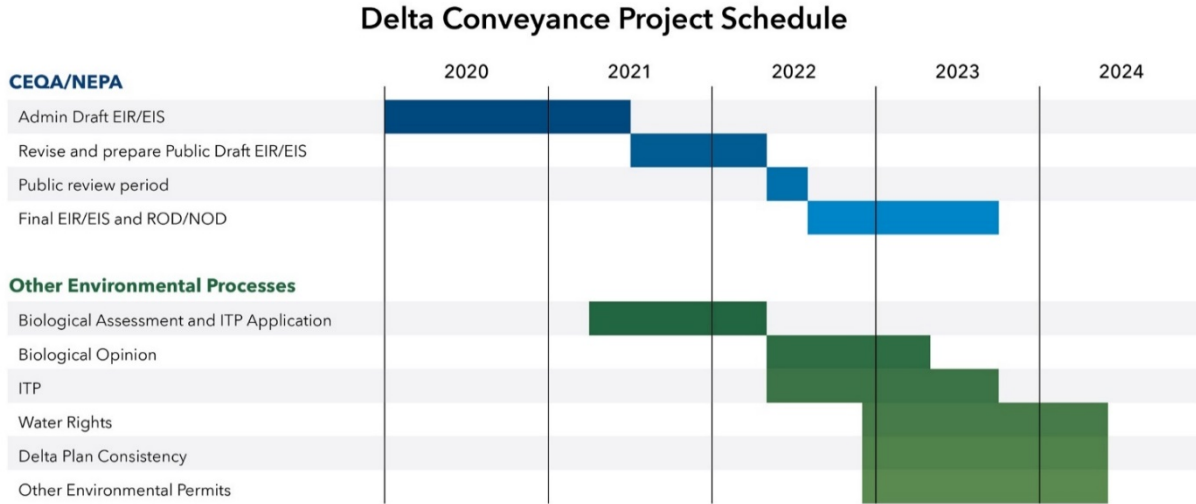


Status of Proposed Project and Schedule

DWR’s preliminary schedule has a final EIR being completed in 2023 and other environmental review, permitting and regulatory processes being completed in 2024. Once the DCP receives all necessary approvals and permits and has complied with all legal requirements, including but not limited to obtaining a change in point of diversion to DWR’s existing water



rights permit, construction could begin. At present, DWR is engaged in a CEQA scoping process and has solicited comments on potential impacts and alternatives. DWR is currently screening and refining project alternatives to come up with a reasonable range of project alternatives that avoid or substantially reduce potentially significant impacts.



### Preliminary Benefits of the Proposed Project

DWR is currently developing the Delta Conveyance Proposed Project. At this time DWR has not defined the project operations and has not completed regulatory processes that may impact project operations. The primary objective of the DCP, as stated in the Notice of Preparation, is to restore and protect the ability to deliver SWP supplies to the south-of-Delta Contractors. The DCP is also expected to improve SWP resiliency under multiple future risks that can be low frequency-high impact (e.g. seismic risks in the Delta) or sustained impacts (e.g. climate change and sea level rise or Delta regulations). It is not possible to know the exact future conditions under which the DCP would operate but the conditions are likely a combination of many of the known and unknown risks.

The State Water Contractors Association (SWC) conducted a preliminary SWP water supply analysis with the DCP under a range of existing and future scenarios to help assess the DCP's ability to maintain or improve SWP reliability and resiliency. The results are included in the figure below. The selected range of future scenarios are intended to represent potential SWP operating conditions under future regulatory, climate change, sea level rise, and seismic risks. Each selected future scenario was simulated with and without the DCP. For this analysis, the modeling assumed a 6,000 cfs diversion capacity and north Delta diversion operations criteria consistent with permitting from California WaterFix<sup>1</sup>. The specific Proposed Project, including operational criteria, that DWR will ultimately select may be different. DWR's CalSim II model, representing the SWP facilities, regulations and operations, was used to develop coarse estimates of potential water supply changes with the DCP. As

<sup>1</sup> This included operations required by the federal Biological Opinions, CESA Incidental Take Permit specifically for the proposed north Delta diversion intakes under California WaterFix.

the Proposed Project is further defined and permitted, and this coarse modeling is further refined, the estimated water supply benefits with the DCP may change.

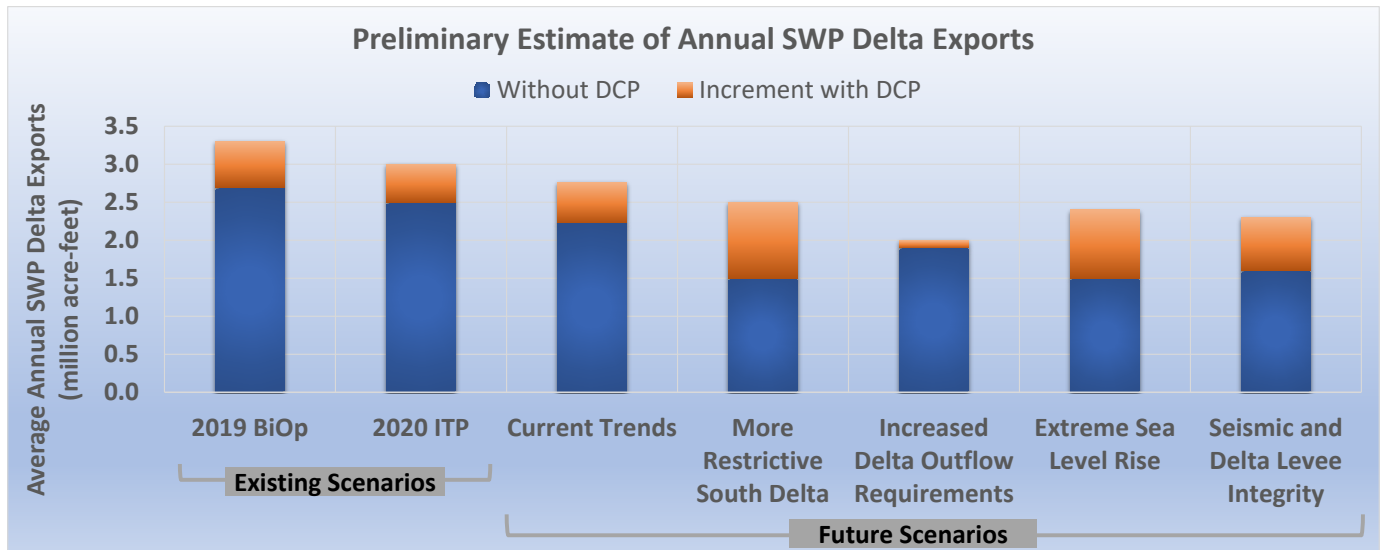


Figure 1: Preliminary modeled average annual SWP exports under existing and future scenarios and corresponding increment resulting with the DCP

#### Preliminary Estimated Costs of the Project

In consideration of certain Contractor's advancing planning funds for the proposed project, the DCA, following industry standards, developed preliminary cost information based on information currently available for the proposed DCP. It is important to emphasize that the DCA is still very early in the planning process and the cost estimate is only a snapshot based on the current status. This snapshot does not represent the final conceptual design, the final mitigation costs, or all cost items such as community benefits, DWR planning costs, or financing costs. The snapshot includes an estimate for construction costs, soft costs, and environmental mitigation costs in undiscounted 2020 dollars. This means the cost information excludes future inflation. In other words, it assumes that the project would all be built in 2020.

The proposed project features included in the cost information are as follows:

- Two intakes at 3,000 cfs each, for a total capacity of 6,000 cfs
- 42 miles of tunnels and associated shafts
- Southern Complex Facilities:
  - Pump Station
  - Forebay
  - Connections to existing CA Aqueduct

The DCA cost information includes a 38% composite contingency for unforeseeable elements of cost within the construction cost estimate. The DCA has provided their best

estimate for unknown items where their professional experience indicates that there will likely be additional risk. The DCA identified contingency levels for each feature of the proposed project listed above to reflect the uncertainty at the time the cost information was developed. The DCA's contingency reflects the DCA's assessment of the proposed projects design status, identified risks, and professional judgment of unforeseeable elements of cost. As the engineering work advances and the unknown elements of the proposed project are revealed or resolved, contingency levels will decrease, and the identified project elements will be included in the construction estimates.

It is the DCA's opinion, based on the information available to the DCA today and the estimated contingency levels, that there is a 50% probability that the proposed Delta Conveyance Project is estimated to total \$15.9 billion in 2020 dollars. AECOM reviewed the DCA estimate and found that based on industry standards the cost range may be reduced between \$2.28 to \$4.37 billion. AECOM's assessment did not perform a bottom up estimate of the project but reviewed the cost estimate in light of industry standards, in particular contingencies. The AECOM work found that the DCA estimate assumed conservative design, included in design elements risk mitigation, and additionally added a 38 percent contingency. This resulted in roughly a 44 percent contingency for the DCA estimate. The AECOM work serves as a useful guidepost for identifying a possible range of costs but should not be considered as a cost estimate for the DCP. As planning proceeds, more information will become available to inform potential construction and associated costs, and cost information will be updated and refined.

Item 4, Attachment 2

Total District + Sub Cost Share \$ 2,046,000

						Recommended		Subject to future approval			
	SUBCONTRACTOR	WSA (AFY)	DB (AFY)	WSA + DB (AFY)	Subscription Percentage	Est'd Cost Share of DCP Prelim Efforts	Commitment Year 1 2021	Commitment Year 2 2022	Commitment Year 3 2023	Commitment Year 4 2024	Commitment Year 5 2025
SHANDON TURNOUT	<b>CSA 16 (Shandon)</b>	<b>100</b>	0	100	0.004	\$ 8,184	\$ 1,391	\$ 1,391	\$ 1,882	\$ 2,046	\$ 1,473
	<i>Subtotal</i>	<i>100</i>	<i>0</i>	<i>100</i>							
CHORRO VALLEY TURNOUT	<b>City of Morro Bay</b>	<b>1,313</b>	2,290	3,603	0.14412	\$ 294,870	\$ 50,128	\$ 50,128	\$ 67,820	\$ 73,717	\$ 53,077
	<b>CMC</b>	<b>400</b>	400	800	0.032	\$ 65,472	\$ 11,130	\$ 11,130	\$ 15,059	\$ 16,368	\$ 11,785
	<b>County Ops Center</b>	<b>425</b>	425	850	0.034	\$ 69,564	\$ 11,826	\$ 11,826	\$ 16,000	\$ 17,391	\$ 12,522
	<b>Cuesta College</b>	<b>200</b>	200	400	0.016	\$ 32,736	\$ 5,565	\$ 5,565	\$ 7,529	\$ 8,184	\$ 5,892
	<i>Subtotal</i>	<i>2,338</i>	<i>3,315</i>	<i>5,653</i>							
LOPEZ TURNOUT	<b>City of Pismo Beach</b>	<b>1,240</b>	1,240	2,480	0.0992	\$ 202,963	\$ 34,504	\$ 34,504	\$ 46,682	\$ 50,741	\$ 36,533
	<b>Oceano CSD</b>	<b>750</b>	750	1,500	0.06	\$ 122,760	\$ 20,869	\$ 20,869	\$ 28,235	\$ 30,690	\$ 22,097
	<b>San Miguelito MWC</b>	<b>275</b>	275	550	0.022	\$ 45,012	\$ 7,652	\$ 7,652	\$ 10,353	\$ 11,253	\$ 8,102
	<b>Avila Beach CSD</b>	<b>100</b>	100	200	0.008	\$ 16,368	\$ 2,783	\$ 2,783	\$ 3,765	\$ 4,092	\$ 2,946
	<b>Avila Valley MWC</b>	<b>20</b>	20	40	0.0016	\$ 3,274	\$ 557	\$ 557	\$ 753	\$ 818	\$ 589
	<b>San Luis Coastal USD</b>	<b>7</b>	7	14	0.00056	\$ 1,146	\$ 195	\$ 195	\$ 264	\$ 286	\$ 206
	<i>Subtotal</i>	<i>2,392</i>	<i>2,392</i>	<i>4,784</i>			\$ 146,599	\$ 146,599	\$ 198,340	\$ 215,587	\$ 155,223
	<b>TOTAL</b>	<b>4,830</b>	<b>5,707</b>	<b>10,537</b>	0.42148	\$ 862,348					

*Contracted Delivery Capacity in Coastal Branch (AFY)	4,830										
Flood Control Fund Contribution		\$ 155,223				\$ 13,384	\$ 9,482	\$ 61,795	\$ 70,562	\$ (155,223)	
Return of Flood Control Contribution		\$ 155,223								\$ 155,223	
District's "Table A" Allocation (AFY)	25,000										
<b>Total "Table A" Subcontracted (AFY)</b>	<b>10,537</b>										
<b>Total Due to DWR</b>		\$ 2,046,000				\$ 379,574	\$ 370,317	\$ 617,195	\$ 678,914		
District's "Unsubscribed" Allocation (AFY)	14,463	0.57852	\$ 1,183,652	\$ 219,591	\$ 214,236	\$ 357,059	\$ 392,765				
State Water Subcontractors Suggested Percentages						17%	17%	23%	25%	18%	
DWR Four-year Commitment Suggested Percentages						19%	18%	30%	33%		

ABBREVIATIONS

AFY = Acre-Feet per Year  
 WSA = Water Service Amount  
 DB = Drought Buffer

## ➤ COASTAL BRANCH

Water Management Strategies Development

June 17, 2020

**HALLMARK  
GROUP**

**PROVOST &  
PRITCHARD**  
CONSULTING GROUP

## SCOPE OF WORK

To meet Central Coast Water Authority (“CCWA”) and San Luis Obispo County Flood Control and Water Conservation District (“SLO County”) identified needs, the following scope of work has been developed. This scope addresses tasks that would be conducted and describes the approach to each task. The scope assumes that there are no specific travel charges and that any meetings would be held through video-conferencing facilities. Any charges for physical travel to assigned meetings would be an additional charge in addition to the proposed budget.

### Task 1 – Project Management

This task includes overall project administration, subconsultant management, monthly progress report preparation, and contract administration with the CCWA Program Manager.

This task includes attending a monthly video-conference meetings, one with the Coast Branch Program Managers (CCWA and San Luis Obispo County), “PM Meeting”. Additionally, four meetings will be held with the of Coastal Branch Stakeholders (a representative group of CCWA and SLO County Water Agencies), “Stakeholder Meetings”. The PM meetings will focus on the topics shown under Task 2 through 6. At each PM meeting a presentation will be given on progress and results, draft material for the Stakeholders meetings will be reviewed and comments will be solicited on draft sections and upcoming work. The updated presentations on work status and requests for policy input will be then be presented and discussed at the Stakeholders meeting, and discussion will be used as input to revise and update work products as applicable.

Deliverables:

- Monthly Progress Reports
- Materials and presentations for monthly meetings with Coastal Branch PM Group and for four Stakeholder Groups through July 2021

### Task 2 – Review and Summarize Pertinent Rules and Requirements

Applicable regulatory requirements for water management options will be identified. As State Water Project (“SWP”) contractors, the starting point will be CCWA’s and San Luis Obispo County’s SQWP Water Supply Contracts. Currently, these contracts include provisions addressing factors such as storage in SWP facilities and outside a contractor’s service area (Article 56), transportation of non-project water (Article 55), and water transfers and exchanges. Additionally, there are supplemental guidelines (for example Notice to State Water Project Contractors #17-11) that address how the contract is being implemented. A new SWP Water Management amendment is being pursued that would make significant changes to the existing SWP Water Supply Contracts rules that will greatly facilitate implementation of effective water management strategies for agencies such as CCWA. The new amendment, for example, will allow annual or multi-year transfers that have been limited in the past.

In addition to SWP regulations, other agencies have jurisdiction over potential water management actions (such as banking, transfers, and exchanges) that may need to be addressed depending on the actions. These other agencies include the Department of Water Resources, the State Water Resources Control Board, the U.S. Bureau of Reclamation, the Delta Stewardship Council, the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, Groundwater Sustainability Agencies, and County Governments. Depending on the situation, other agencies with jurisdiction could include Integrated Regional Water Management Agencies, any adjudicated groundwater basin Watermasters, and the Regional Water Quality Control Board.

The product of this process will be a concise summary of the regulations that affect different types of water management actions at different locations. The regulations summary will be categorized by different types of management actions that will be considered for ongoing development and implementation of those actions.

Deliverable:

- Technical Memorandum summarizing Rules and Regulations affecting water management options for CCWA and SLO County.

### Task 3 – Identify Regional Opportunities and Challenges

The Coastal Branch SWP contractors represent a broad group of existing and potential users of the SWP Table A amounts of San Luis Obispo County and Santa Barbara County. These Coastal Branch Water Agencies have a wide variety of different water management opportunities and challenges. Some have more SWP Table A Amounts than they can use, but lack access to long term storage. Others have storage and demands, but limited conveyance. Concurrent with the documentation of water supply opportunities and challenges on the SWP, the water management capabilities and needs of Coastal Branch water users will be surveyed and documented. These will be summarized into a consistent format and reviewed as draft with the Coastal Branch PMs and the Coastal Branch Stakeholders. The results of this review will be documented in a technical document that can be incorporated into a final report.

Deliverable:

- Technical Memorandum summarizing water management capabilities and needs for Coastal Branch Water Agencies.

### Task 4 – Development of Selection Criteria

This task will involve a process to develop local consensus for selection criteria for water management alternatives. The CCWA SOQ identifies many of the criteria that would be appropriate for selecting a project – cost, reliability and control of conveyance, ability to deliver water, ability to return water, water losses and other factors. These factors, and additional potential factors (e.g., water quality, location), will be summarized and reviewed with CCWA and affected stakeholders to develop final selection criteria. At least two meetings (potentially in conjunction with other meetings) will be conducted with CCWA and identified stakeholders to review potential selection criteria, refine the criteria, and settle on the final criteria and appropriate weighting.

Deliverable:

- Selection criteria for reviewing selecting water management alternatives.

### Task 5 – Identify Water Management Components

An initial task will be to summarize the water management alternatives that are available to meet CCWA's needs. The alternatives will include physical alternatives (such as a water bank) and operational alternatives (for example, transfers or exchanges with other agencies). A wide range of potential alternatives will be identified, including alternatives in San Luis Obispo and Santa Barbara Counties that have been proposed by local stakeholders, and these will be documented and screened for analysis. Other alternatives located in other parts of the state will be considered, including water banks and exchange programs with other agencies. Options that have been previously developed, but are currently operating at capacity and do not have the ability for additional participation from parties such as the Coastal Branch SWP contractors, like the Kern Water Bank, will not be considered in the analysis. The increased SWP Table A amounts currently being pursued by CCWA through purchase of the Suspended Coastal Branch Table A and through SWP-wide projects such as the Delta Conveyance Facility project will be included as potential water management components along with other identified measures.

Each screened alternative will be described consistent with selection criteria identified in Task 4, including a narrative overview, facilities configuration, capital cost, operating cost, conveyance requirements, total storage capacity, intake conveyance capability, and extraction conveyance capacity.

Deliverable:

- Technical Memorandum describing water management alternatives.

### Task 6 – Identify Local and System Capacity Limitations

Conveyance will be needed to the sites to implement certain water management alternatives (both local and remote) and for return of water to the Coastal Branch region (for remote alternatives). The recent capacity assessment of the Coastal Branch Aqueduct prepared by WSC is helpful in this regard because it identifies existing and potential capacities for delivering water within San Luis Obispo and Santa Barbara Counties that are in excess of the design capacity level. Access to increased capacity for the Coastal Branch downstream of Polonio Pass Treatment Plant ("PPTP") will also necessitate possible modifications at PPTP to provide the higher capacities identified. Coastal Branch capacity upstream of the PPTP is generally available for the reaches downstream of Devils Den Pumping Plant ("DDPP") due to the higher capacity designed into those reaches to optimize power operations. Capacity in the Coastal Branch reaches upstream of the DDPP and in the California Aqueduct will be quantified based on recent operational capacity (reflecting impacts of subsidence) and historical delivery patterns for other water users.

Capacity in the California Aqueduct and other conveyance facilities needed for water management alternatives, such as water banks, will be quantified for the period of interest. For example, the ability to store carryover water later in the year will depend on the use of facilities by other water managers and



the relative priority of a CCWA alternative as compared to other SWP water users. The intent of this review will be to confirm that conveyance for recharge water is available during high demand periods when it is most needed. A similar analysis will be performed for conveyance to return water from a water bank, exchange, or some other type of water management alternative. Experiences during recent drought periods demonstrated that there can be limited capacity to return water by instantaneous exchange (for projects such as groundwater storage downstream of the Coastal Aqueduct) during extreme drought periods when the water is needed.

### Task 7 – Quantify SWP Supply Capability

A primary goal of the evaluation will be to align the local demands with available SWP water supplies and water management alternatives. The primary source of SWP water supply information will be CALSIM reservoir operations studies for different assumptions about future regulatory conditions, facilities, and climate conditions. CALSIM studies will be obtained for monthly deliveries to SWP contractors for use in evaluations. Initially, these study results for Table A, Article 56, and Article 21 Water will be computed for San Luis Obispo and Santa Barbara Counties based on their Table A allocations. These monthly results will also be summarized annually for use in the management alternatives.

Adjustments to CALSIM operations based on recent historical operations will be identified and applied to CALSIM results as an alternative for analysis that may improve the utility of the results. The result of the SWP water supply analysis will be tables showing monthly and annual amounts of various types of SWP water available for San Luis Obispo and Santa Barbara Counties, as well as for other SWP contractors (outside of the Coastal Branch) that may be partners in water management alternatives such as banking, exchanges, or transfers.

### Task 8 – Evaluate and Select Management Alternatives

The water supply and conveyance information identified in Tasks 6 and 7 will be combined with demand information for Central Coast Water Agencies to evaluate individual and combined water management alternatives. From three to ten different water management alternatives will be evaluated on an annual basis to quantify their performance for meeting Central Coast water users water needs. The evaluation will quantify the minimum level of deliveries, average level of deliveries, storage in banking sites, cost, and other parameters to be considered in the selection criteria. The use of annual operations analysis for the evaluation will be reviewed early in the process to determine its adequacy. If that approach is not adequate to meet CCWA planning needs, then a specific proposal for more detailed analysis will be presented to CCWA for their consideration.

The raw water supply benefits of water management components, including the Suspended Coastal Branch Table A purchase, will be quantified as will the benefits and associated costs of broader range of water management measures. The performance of the various management alternatives will be reviewed with CCWA and appropriate stakeholders to identify the best individual alternative or combination of alternatives. It is also possible that refinements to the alternatives can be developed based on feedback from CCWA and stakeholders. The completed result of this task will be an approach for water management options that meets CCWA needs in the most effective manner.

### Task 9 – Prepare Water Management Strategies Summary

Based on the evaluation of identified water management alternatives using the selection criteria, a report will be prepared for the Coastal Branch that summarizes the selected water management alternatives. The summary will identify the roles of additional water supply alternatives as well as management measures such as conjunctive use, water transfers and water purchases, in meeting Coastal Branch water management challenges.

#### Deliverable:

- Report describing selected water management alternatives and approach to integrating those alternatives to meet overall water supply and financial objectives.

DRAFT

**TO: Water Resources Advisory Committee**

**FROM: Brendan Clark, Supervising Water Resources Engineer**

**DATE: November 4, 2020**

**SUBJECT: Agenda Item 7: 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. This analysis is released each Thursday.
- c) **Groundwater Management Efforts**

On December 18, 2019, the California Department of Water Resources (DWR) released the Final Sustainable Groundwater Management Act (SGMA) 2019 Prioritization<sup>1</sup> 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.

**BOARD OF SUPERVISORS MEETINGS AND BASIN UPDATES:**

Basin	Update:
<b>Los Osos Basin</b>	<p><b>Los Osos Area Subbasin</b> (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> <ul style="list-style-type: none"> <li>• <b>October 21, 2020</b> – The BMC Board of Directors held their regular meeting. County staff presented on the Los Osos Recycled Water Program. The BMC approved the recommendation to review preliminary findings from the Implementation Plan initiative scoring and directed staff to return with cost and benefit information for the planning initiatives.</li> <li>• The next BMC meeting is scheduled on November 18, 2020.</li> </ul> <p><b>Warden Creek Subbasin</b> is designated as a very low priority and is not subject to the requirements of SGMA due to the DWR prioritization.</p> <p>For more information, please visit: <a href="http://www.slocounty.ca.gov/losososbasin">www.slocounty.ca.gov/losososbasin</a></p>

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

<p><b>Atascadero Basin</b></p>	<p><b>Atascadero Basin</b> 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) has committed to developing a groundwater sustainability plan (GSP) by 2022.</p> <ul style="list-style-type: none"> <li>• A stakeholder workshop on Sustainable Management Criteria for the basin is scheduled for November 18, 2020.</li> <li>• The next regular GSA Executive Committee meeting is January 6, 2021</li> </ul> <p>For more information, please visit: <a href="http://www.atascaderobasin.com">www.atascaderobasin.com</a></p>
<p><b>Santa Maria Basin</b></p>	<p><b>Santa Maria Area Subbasin</b> (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><b>Arroyo Grande Subbasin</b> 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> <ul style="list-style-type: none"> <li>• DWR awarded grant funding to support the development of a GSP for the Arroyo Grande Subbasin. A memorandum of agreement (MOA) between the County and the City of Arroyo Grande has been executed to jointly develop a single GSP. The County has also executed a contract with WSC, Inc to develop the GSP. The scope of work for the GSP will include an integrated approach to surface water and groundwater modeling that will also support the development of a habitat conservation plan for the Lopez Project specifically in understanding the interactions between groundwater flow and creek flow.</li> <li>• A public kick-off meeting for the GSP project will be scheduled in November 2020.</li> </ul> <p>For more information, please visit: <a href="http://www.slocounty.ca.gov/santamariabasin">www.slocounty.ca.gov/santamariabasin</a></p>
<p><b>Paso Basin</b></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"> <li>• The next PBCC meeting is scheduled on November 18, 2020.</li> </ul> <p>For more information, please visit: <a href="http://www.slocounty.ca.gov/pasobasin">www.slocounty.ca.gov/pasobasin</a></p>
<p><b>Cuyama Basin</b></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> <ul style="list-style-type: none"> <li>• The next GSA meeting is scheduled on November 4, 2020.</li> </ul>

<p><b>San Luis Obispo Basin</b></p>	<p>For more information, please visit: <a href="http://www.cuyamabasin.org">www.cuyamabasin.org</a></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> <ul style="list-style-type: none"> <li>• The next GSC meeting is scheduled for <b>December 9, 2020</b>.</li> <li>• <b>October 1, 2020</b> – A virtual Public Workshop#3 meeting was held on October 1, 2020. The project team presented draft representative monitoring wells and their sustainable management criteria (SMCs) for all relevant sustainability indicators. The project team also provided various SMC alternatives and the pros and cons of each alternative for consideration. Comments and feedback on these preliminary SMCs were received during the workshop and will continue to be accepted through the web portal (<a href="http://www.slobasinwater.com">www.slobasinwater.com</a>) till November 2, 2020. It is anticipated that having considered all the public input the project team will present a set of SMC recommendations in the December 9 GSC meeting.</li> <li>• Other Upcoming GSP Sections/Chapters and/or Milestones in Fall 2020: <ul style="list-style-type: none"> <li>○ Draft Chapter 8 - Monitoring Network</li> </ul> </li> </ul> <p>For additional San Luis Obispo Valley Groundwater Basin information or to register as an interested party, please visit: <a href="http://www.slowaterbasin.com">www.slowaterbasin.com</a></p> <ul style="list-style-type: none"> <li>• 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.</li> </ul> <p>For more information, please visit: <a href="http://www.slocounty.ca.gov/slobasin">www.slocounty.ca.gov/slobasin</a></p>
<p><b>Adelaida Area</b></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"> <li>• <b>August 6, 2020</b> – The RCD hosted an online community meeting where USGS provided an update on current efforts and detailed how the community can participate in the initial data collection process for Task 1 of the study.</li> <li>• 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. Data of interest for the study includes well construction information, groundwater level data, water use information, groundwater chemistry data, and geological data.</li> <li>• USGS’ evaluation of existing data will conclude in December of 2020.</li> <li>• USGS will return to the County Board of Supervisors in Spring of 2021 to provide an update on the findings of Task 1.</li> </ul>

**County SGMA website** – The County has 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 website also includes other informative materials, such as SGMA fact sheets and recent

presentation materials. Visit the website and basin-specific page links, 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 1<sup>st</sup>, 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](http://www.slocounty.ca.gov/irwm).

The Prop 1 Implementation Grant was submitted December 18, 2019 to DWR. The Board of Supervisors authorized the Director of Public Works to file the application at the 11/19 regular BOS meeting. DWR issued final awards on July 3rd and SLO County's proposal was awarded the full request.

A summary of open and pending IRWM grants is below:

<b>Prop 1E Stormwater Flood Mgmt Grant (2011)</b>	<b>\$2,797,000</b>	<b>In Progress</b>	
Flood Control Zone 1/1A – Modified 3a Project	\$2,797,000	In Progress	Flood Control District
<b>Prop 84 Implementation Grant (2011)</b>	<b>\$10,401,000</b>	<b>In Progress</b>	
Los Osos Wastewater Project	\$5,945,444	Complete	County of San Luis Obispo
Flood Control Zone 1/1A – Modified 3c Project	\$2,200,000	In Progress	Flood Control District
Nipomo Supplemental Water Project	\$2,200,000	Complete	Nipomo CSD
Grant Administration	\$55,556	In Progress	Flood Control District
<b>Prop 1 Disadvantaged Community Involvement (2017)</b>	<b>\$877,563</b>	<b>In Progress</b>	
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	In Progress	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
<b>Prop 1 Implementation Grant, Round 1 (draft award received 5/7/2020)</b>	<b>\$3,282,130</b>		

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
<b>Prop 1 Implementation Grant, Round 2 (est. 2021)</b>	<b>\$3,282,129</b>		
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](http://www.slocounty.ca.gov/irwm).

For questions, contact:

Brendan Clark, IRWM Program Manager

Email: [bclark@co.slo.ca.us](mailto:bclark@co.slo.ca.us)

Phone: (805) 788-2316

#### e) Stormwater Resource Plan

California Senate Bill No. 985 requires the development of a Stormwater Resource Plan (SWRP) for public agencies to receive grant funds for stormwater and dry weather runoff capture projects. The City of Arroyo Grande and the County of San Luis Obispo collaborated on the development of a region-wide SWRP. This Plan is complete and achieved concurrence from the SWRCB on February 26, 2020.

#### Project Updates

- Currently, no funding opportunities are available and regular monthly updates will be made to the WRAC to keep all interested parties informed.
- Stay ahead of the funding curve and add your stormwater or dry weather runoff project to the SWRP project list by visiting the County SWRP webpage at [www.slocounty.ca.gov/pw/swrp](http://www.slocounty.ca.gov/pw/swrp) and follow instructions for project submittal.

For the final SWRP and appendices and/or sign up for the mailing list at:

[www.slocounty.ca.gov/pw/swrp](http://www.slocounty.ca.gov/pw/swrp).

For questions, contact:

Sarah Crable, County Public Works

Email: [scrable@co.slo.ca.us](mailto:scrable@co.slo.ca.us)

Phone: (805) 788-2760

#### f) State Water Project (SWP)

State water is being presented as a separate item for the November 4<sup>th</sup>, 2020 WRAC meeting.

#### g) 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](http://www.slocountywwcp.org)

## **Paso Basin**

Offset Programs. The County is continuing to process building permits subject to water offset fees at a 2:1 ratio for non-agricultural discretionary projects in rural areas and a 1:1 ratio for non-discretionary projects. These fees continue to fund 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](http://www.slocountywwcp.org).

Ordinance Amendments. On November 17, 2020, the Board of Supervisors will consider amendments to the Agricultural Offset Requirements to update the mapping boundary of the Paso Basin area of severe decline, as defined by the County Land Use Ordinance.

## **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. At this time, to earn enough credits to build one single family residence (300 gallons per day), a property owner would need to replace 5-8 washers; a total cost typically ranging between \$4,000-\$8,000. ADUs are required to offset 150 gallons per day. For more information, visit: [www.slocountywwcp.org/plumbing-retrofit-to-build](http://www.slocountywwcp.org/plumbing-retrofit-to-build)

Los Osos Community Plan. 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. The plan may be reviewed at the Department of Planning and Building, the Los Osos Library and on the Department's website. 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 Los Osos Community Plan and the Habitat Conservation Plan 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. The Board of Supervisors will consider the Plan on December 15, 2020.

Growth Management Ordinance Amendments. Amendments to the Growth Management Ordinance, Title 26 of the County Code, to establish a growth rate for the community of Los Osos, as required by the Los Osos Community Plan. 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 ordinance amendments to the Board of Supervisors. The Board of Supervisors will consider the amendments on December 15, 2020.

Revised Resource Summary Report. Submittal of a revised 2016-2018 Resource Summary Report that includes the District 2 sections that were previously extracted, with an updated assessment of the Los Osos water supply to reflect the most recent annual monitoring reports prepared for the Los Osos Basin Management Committee and clarification of agricultural and rural water supply and demand estimates. Recommends maintaining a Level of Severity III for the Los Osos Groundwater Basin water supply. The Board of Supervisors will consider the submittal of the revised report on December 15, 2020.

Please contact Kylie Hensley at [khensley@co.slo.ca.us](mailto:khensley@co.slo.ca.us) for more information.

#### **h) Open Reporting on Water Conservation Opportunities & Information**

WRAC members or members of the public may openly report on any topic related to water conservation including opportunities to be a part of a water conservation focus group, reporting back on water conservation groups that they are a part of, or providing information on water conservation items.



### Rainfall and Reservoir Updates

Sub-Region	Area / Rain Station	Average Annual Rainfall	2019-20 Water Year Total Rainfall	2020-21 Water Year													Cumulative Total	% of Total Average
				July 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21			
North Coast	Cambria Area (ALERT #717)	22.0	15.60 (71%)	0	0.12	0	0 <sup>A</sup>										0.12	1%
	Whale Rock Reservoir (County Site #166.1)	16.0	14.45 (90%)	0	0.23	0	c										0.23	1%
Inland	Paso Robles (County Site #10.0)	14.1	12.42 (88%)	0	0.11	0	0 <sup>A</sup>										0.11	1%
	NE Atascadero (ALERT #711)	17.0	11.07 (65%)	0	0.04	0	0 <sup>A</sup>										0.04	0%
	Atascadero MWC (County Site #34.0)	17.5	13.45 (77%)	0.05	0	0	0 <sup>A</sup>										0.05	0%
	Santa Margarita (ALERT #723)	24.0	14.34 (60%)	0	0	0	0 <sup>A</sup>										0	0%
	Salinas Dam (ALERT #719)	20.9	16.13 (77%)	0	0	0	0 <sup>A</sup>										0	0%
	Rocky Butte (ALERT #703)	40.0	28.13 (70%)	0	0	0.08	0 <sup>A</sup>										0.08	0%
	SLO Reservoir (ALERT #749)	24.0	15.60 (65%)	0	0	0	0 <sup>A</sup>										0	0%
South Coast	Lopez Dam (ALERT #737)	21.0	16.67 (79%)	0	0.30	0	0 <sup>A</sup>										0.30	1%
	Nipomo South (ALERT #730)	16.0	11.66 (73%)	0	0.08	0.08	0 <sup>A</sup>										0.16	1%
	Nipomo East (ALERT #728)	18.0	13.91 (77%)	0	0	0.04	0 <sup>A</sup>										0.04	0%

A - Report generated at 3:00 PM. on 10-21-2020  
 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

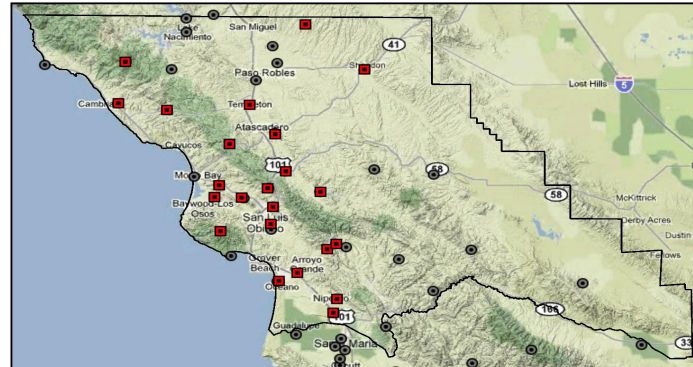
Notes:  
 This table contains provisional data from automated gauges and has not been verified.  
 All units reported in inches.

### Reservoir Update

Reservoir	Date	Water Elevation (ft)	Spillway Elevation (ft)	Storage (acre-feet)	Capacity (%)
Nacimiento Reservoir	October 21, 2020	731.1	787.75 - 800.0 (wigates fully inflated)	94,910	25%
	October 28, 2019	756.9		175,379	46%
San Antonio Reservoir	October 21, 2020	649.2	780.0	54,800	16%
	October 28, 2019	723.6		112,880	34%
Lopez Reservoir	October 21, 2020	483.3	522.7	21,307	43%
	October 29, 2019	492.1		26,192	53%
Salinas Reservoir (Santa Margarita Lake)	October 21, 2020	1,291.1	1300.7	17,504	73%
	October 29, 2019	1,296.1		20,587	86%
Whale Rock Reservoir	October 20, 2020	201.9	218.3	31,261	80%
	October 29, 2019	206.0		33,397	86%
Twitchell Reservoir	October 21, 2020	541.1	651.5	3,158	2%
	October 29, 2019	546.8		5,873	3%

**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.

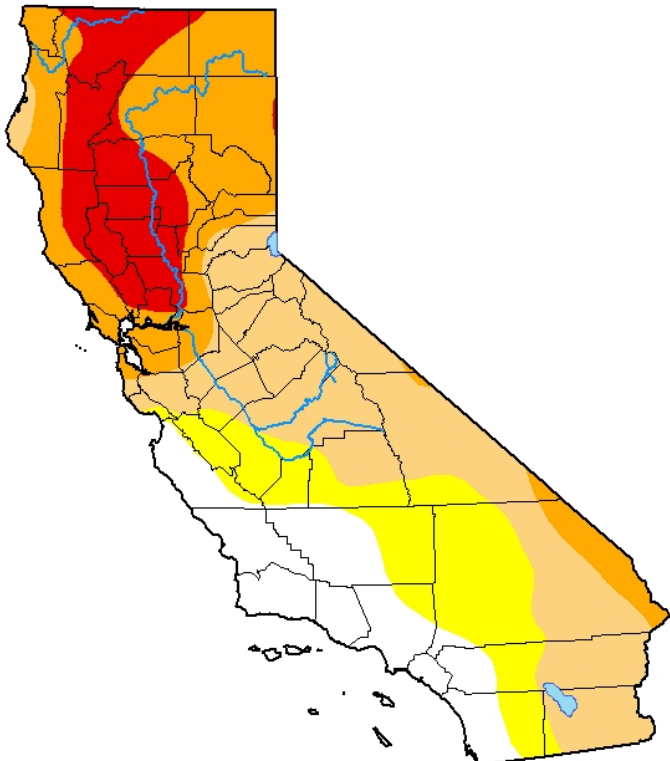
### Select Real-Time Rain Gauges in SLO County



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 Betancourt, (805)781-2767.

# U.S. Drought Monitor California

**October 27, 2020**  
(Released Thursday, Oct. 29, 2020)  
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	15.40	84.60	67.54	35.61	12.74	0.00
<b>Last Week</b> 10-20-2020	15.40	84.60	67.54	35.61	12.74	0.00
<b>3 Months Ago</b> 07-28-2020	40.34	59.66	50.38	21.50	3.04	0.00
<b>Start of Calendar Year</b> 12-31-2019	96.43	3.57	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 09-29-2020	15.35	84.65	67.65	35.62	12.74	0.00
<b>One Year Ago</b> 10-29-2019	82.26	17.74	2.06	0.00	0.00	0.00

Intensity:

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

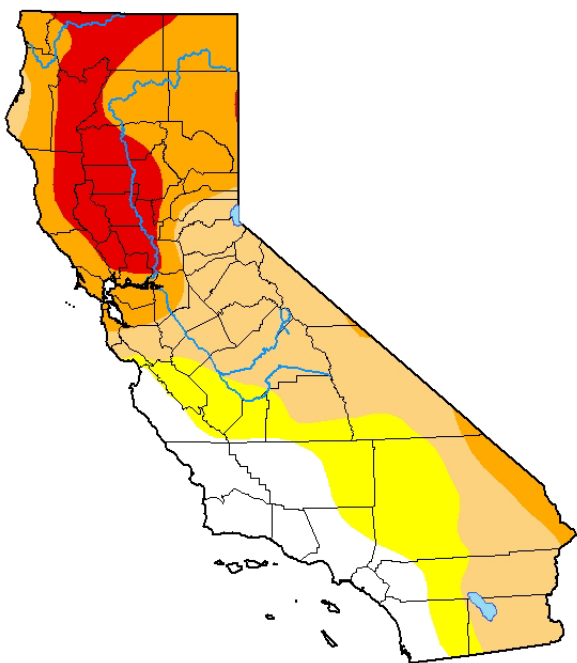
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

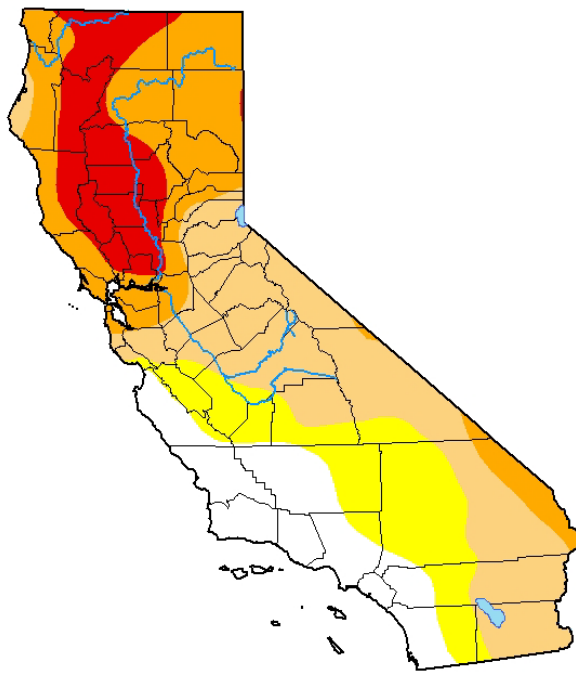
David Miskus  
NOAA/NWS/NCEP/CPC



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



**October 20, 2020**



**October 13, 2020**

**TO: Water Resources Advisory Committee**

**FROM: Brendan Clark, Supervising Water Resources Engineer**

**DATE: November 4, 2020**

**SUBJECT: Agenda Item 9: Discuss Future Agenda Items**

The WRAC Secretary, in cooperation with the Chairperson, prepares the agenda for each WRAC meeting. Inclusion of suggested future agenda items 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.

**Areas of Interest – Future**

- 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 – Ag Order 4.0
- Regional Water Quality Control Board – Stormwater Capture
- Stormwater Capture Subcommittee – *Scheduled for December 2<sup>nd</sup>*

**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.