

February 25, 2021

NOTICE OF REGULAR MEETING OF THE COLORADO RIVER BOARD

NOTICE IS HEREBY GIVEN pursuant to the call of the Chairperson, Peter Nelson, by the undersigned Executive Director of the Colorado River Board of California that a regular meeting of the Board Members is to be held as follows:

Date: Wednesday, March 10, 2021

Time: 10:00 a.m.

Place: Pursuant to Governor Newsom's Executive Order N-29-20 issued on March 17,

2020, this meeting will be held virtually via Zoom Webinar. Board members will receive instructions separately. The public are welcome to attend. Attendees

may access this meeting using the following:

Webinar Link: https://us02web.zoom.us/j/87893486948

Telephone: US: +1 669 900 9128, enter Meeting ID: 878 9348 6948, followed by #; then press #

again to connect.

The Colorado River Board of California welcomes any comments from members of the public pertaining to items included on this agenda and related topics. If members of the public wish to make a comment regarding items on the agenda, there are three options for consideration: (1) Public comments may be submitted by electronic mail, and should be addressed to the Board's Chairman, Mr. Peter Nelson, at crb@crb.ca.gov and will be accepted up until 10:00 a.m. on the day of the meeting; (2) During the meeting, members of the public may submit comments by participating in the Zoom Webinar and utilizing the "Q&A" feature in the control panel; or (3) By calling into the Zoom Webinar using the telephone number above and pressing *9 to "Raise Hand." Please note, written submissions will be read aloud at the public comment period to the extent they fit within the five-minute time limit.

If accommodations from individuals with disabilities are required, such persons should provide a request at least 24 hours in advance of the meeting by electronic mail to the Board's staff member, Mr. Brian Alvarez at balvarez@crb.ca.gov.

Requests for additional information may be directed to: Mr. Christopher S. Harris, Executive Director, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, CA 91203-1068, or 818-500-1625. A copy of this Notice and Agenda may be found on the Colorado River Board's web page at www.crb.ca.gov.

A copy of the meeting agenda, showing the matters to be considered and transacted, is attached.

Christopher S. Harris Executive Director

Regular Meeting COLORADO RIVER BOARD OF CALIFORNIA Wednesday, March 10, 2021 10:00 a.m.

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action by the Board. Items may not necessarily be taken up in the order shown.

COVID-19 Notice

The Board is following guidance provided by Governor Newsom, pursuant to Executive Order N-29-20 issued on March 17, 2020, for adhering to the Bagley-Keene Act's open meeting requirements.

1. Call to Order

2. Opportunity for the Public to Address the Board (Limited to 5 minutes) In accordance with California Government Code, Section 54954.3(a)

3. Administration

- a. Consideration and approval of the Minutes of the meeting held February 10, 2021 (Action)
- b. Consideration and approval of Board Resolution Posthumously Honoring Mr. Kevin Kelley, former General Manager of the Imperial Irrigation District (**Action**)

4. Water Supply and Operations Reports

- a. Colorado River Basin Water Supply and Operations Report
- b. State and Local Water Supply and Operations Reports

5. Staff Reports Regarding Colorado River Basin Programs

- a. Minute No. 323 Implementation
- b. Colorado River Basin Salinity Control Program
- c. Glen Canyon Dam Adaptive Management Program
- d. Lower Colorado River Multi-Species Conservation Program
- e. General Announcements

6. Executive Session

An Executive Session may be held by the Board pursuant to provisions of Article 9 (commencing with Section 11120) of Chapter 1 of Part 1 of Division 3 of Title 2 of the Government Code and Sections 12516 and 12519 of the Water Code to discuss matters concerning interstate claims to the use of Colorado River system waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from other states or the federal government.

7. Other Business

8. Future Agenda Items/Announcements

Next Scheduled Board Meeting: April 14, 2021 10:00 a.m.

Webinar

Minutes of Meeting COLORADO RIVER BOARD OF CALIFORNIA

Wednesday, February 10, 2021

A meeting of the Colorado River Board of California (Board) was held virtually on Wednesday, February 10, 2021, using the Zoom Webinar meeting platform.

Board Members and Alternates Present:

David DeJesus (MWD Alternate) Peter Nelson, Chairman (CVWD)

Dana B. Fisher, Jr. (PVID)

James Hanks (IID)

Jeanine Jones (DWR Designee)

Henry Kuiper (Public Member)

Glen D. Peterson (MWD)

David R. Pettijohn (LADWP)

Jack Seiler (PVID Alternate)

David Vigil (DFW Alternate)

Jim Madaffer (SDCWA)

Board Members and Alternates Absent:

Evelyn Cortez-Davis (LADWP Alternate)

Norma Sierra Galindo (IID Alternate)

Mark Watton (SDCWA Alternate)

Christopher Hayes (DFW Designee)

Others Present:

Steven Abbott
Brian Alvarez
Eric Katz
Jim Barrett
Delon Kwan
Bert Bell
Larry Lai
Robert Cheng
Laura Lamdin
Gary Croucher
Tom Levy
Dan Denham
Lindia Liu

Emmanuel Martinez JR Echard Castulo Estrada **Henry Martinez** Emily Halvorsen Kara Mathews Aaron Mead JB Hamby Christopher Harris Dylan Mohamed Jessica Neuwerth Bill Hasencamp Joanna Smith-Hoff Jessica Rangel Michael Hughes Angela Rashid Ned Hyduke Ivory Reyburn Sarai Jimenez Kelly Rodgers Lori Jones Alex Rodriguez

Shanti Rosset Tom Ryan Tina Shields Andrew Slagan Margaret Vick Cherie Watte
Jay Weiner
Meena Westford
Jerry Zimmerman

CALL TO ORDER

Chairman Nelson announced the presence of a quorum and called the meeting to order at 10:03 a.m.

OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE BOARD

Chairman Nelson invited members of the audience to address the Board on items on the agenda or matters related to the Board. Hearing none, Chairman Nelson moved to the next item on the agenda.

ADMINISTRATION

Chairman Nelson asked for a motion to approve the December 9, 2020, meeting minutes. Mr. Peterson moved that the minutes be approved, seconded by Mr. Pettijohn. By roll-call vote, the minutes were unanimously approved.

Chairman Nelson asked for a motion to approve the January 13, 2021, meeting minutes. Mr. Peterson moved that the minutes be approved, seconded by Mr. Pettijohn. By roll-call vote, the minutes were unanimously approved.

COLORADO RIVER BASIN WATER REPORTS

Colorado River Basin Report

Mr. Juricich reported that as of February 1st, the water level at Lake Powell was 3,576.45 feet with 9.64 million-acre feet (MAF) of storage, or 40% of capacity. The water level at Lake Mead was 1,085.95 with 10.51 MAF of storage, or 40% of capacity. The total system storage was 27.31 MAF, or 46% of capacity, which is 3.87 MAF less than system storage at this time last year.

Mr. Juricich reported that as of January 19th, the unregulated inflow into Lake Powell for Water Year-2021 is 5.36 MAF, or 49% of normal and the WY-2021 forecasted April to July inflow to Lake Powell is 3.45 MAF, or 48% of normal. For WY-2021, the observed December inflow to Lake Powell was 0.17 MAF, or 47% of normal. The January inflow forecast to Lake Powell is 0.20 MAF, or 55% of normal. To date, the WY-2021 precipitation in the Upper Colorado River Basin is 66% of normal and the current Basin snowpack is 75%.

Mr. Juricich reported that the precipitation conditions across the Basin were below average in December but improved slightly in January. He reported that storms in January brought much needed precipitation to the Lower Basin. Board member Peterson, representing The Metropolitan Water District of Southern California (MWD), inquired whether the snow water equivalent (SWE) measurement considered the declining snowpack that Basin has experienced over the past few years. Mr. Juricich reported that the Colorado Basis River Forecast Center (CBRFC) will be updating its SWE calculations using the median value of the period from 1991 to 2020, noting that the shift in period will reflect the warming trend that has occurred over the last several years.

Mr. Juricich reported that as of January 29th, the Brock and Senator Wash regulating reservoirs captured 9,721 AF and 6,528 AF, respectively. He also reported that the excess deliveries to Mexico through January 31st, were 6,269 AF, adding this value is larger than this time last year due to storm activity in late January.

Mr. Juricich reported on the historical consumptive use of the Lower Division states, noting that for the past several years, consumptive use has declined. He added that the most recent 24-Month Study results from the Bureau of Reclamation (Reclamation) also show a decline in consumptive use for the Lower Division States.

Mr. Juricich reported that Lake Powell's most probable operating tier based on the January 24-Month Study is the Mid Elevation Release Tier, with the most probable release of 8.23 MAF for 2021. In 2022 and 2023, Lake Powell's end of December elevation is projected to decline, and the most probable release is 7.48 MAF for both years. He reported that Lake Mead's most probable end of December elevation for 2021 will be at 1,075 ft or below, triggering a Tier 1 shortage condition beginning in CY 2022. Mr. Juricich noted that the January 24-Month results are based on average hydrology, so the projections could improve with better hydrological conditions in the future.

Mr. Juricich reported that severe drought conditions in the Western U.S. continue to persist, noting that the Basin is expecting another storm front within the next week.

State and Local Report

Ms. Jones, representing the California Department of Water Resources (DWR), reported that the State's overall precipitation conditions are below average despite the series of storms that occurred in late January. She reported that at the end of January, the statewide average reservoir storage condition was close to 70% of capacity, with the State's largest reservoirs, Shasta and Oroville, continuing to lag. She added that the lag is reflective of the very dry water year that Northern California experienced in 2020.

Ms. Jones reported on DWR's forecasting efforts to analyze the full natural flow of selected California rivers. She noted that this effort will compare dry conditions in WY-2021 to those of past severe drought years, particularly 2014 and 2015. She added that full natural flow conditions for WY-2021 are tracking with low natural flow conditions from 2014. She stated that the State Water Resources Control Board may consider this data as it administers water rights this summer. Ms. Jones reported that the series of late January storms did very little to increase the runoff values for WY-2021 because most of the precipitation fell as snow rather than rain, adding that the snow may help during the spring snowmelt. She noted that the current SWE is 66% of average and the SWE is better than it was in 2014 and 2015.

Ms. Jones provided an update on an experimental forecasting product she discussed at the January CRB meeting. She noted that the experimental forecast model was developed by the University of Arizona and was initialized with data through December 2020 that also includes snowpack data. She stated that the model results project warm temperatures in spring through early summer with dry precipitation conditions. The model also projects close to normal snowpack conditions in Northern California and below average conditions in the Colorado River Basin. She noted that the model uses National Oceanic and Atmospheric Administration's (NOAA) thirty-year climatology record.

Mr. Peterson reported the MWD has been filling its reservoirs and Diamond Valley Lake is 87% of capacity. He noted that water use has increased due to in lieu water deliveries, adding that MWD delivered 125,000 AF to Coachella last year.

Mr. Peterson also reported that the Colorado River Aqueduct will be shut down for a month for repairs and rehabilitation. He added MWD will rehabilitate a pumping plant in the Las Virgenes area to bring in water from the Colorado River Aqueduct to Ventura County and Las Virgenes. He stated that the pumping plant system was built in the 1960's because State Water Project supplies were not available at that time.

Vice Chairman Pettijohn, representing the Los Angeles Department of Water and Power (LADWP), stated that precipitation conditions in the Eastern Sierra were tracking with the driest year on record but improved slightly from the late January storms. He stated that as of February 8th, precipitation conditions are 57% of normal.

STATUS OF COLORADO RIVER BASIN PROGRAMS

Status of the Salinity Control Program

Mr. Juricich provided a brief update on the status of the Paradox Valley Unit (PVU) project. The Final EIS identified No Action as the preferred alternative, although the Basin States

advocated for the evaporation pond as the preferred alternative. The existing brine injection well has been shut down for nearly two years due to the seismic activity in March of 2019. Reclamation is currently reviewing options on the existing operation. In response to letters sent by the Board and member agencies, Reclamation has stated that they will not issue a Record of Decision based on the Final EIS. This allows the Basin States and stakeholders to continue discussion with Reclamation on potential next steps. Mr. Juricich reported that a Work Group meeting is scheduled near end of February and invited the technical staff from the Board member agencies to participate.

Colorado River Basin States Webinar Regarding Federal DCP Implementation

Mr. Harris provided a summary of the Basin States webinar on February 4, which provided updates on several items, including: (1) proposed federal legislative initiative(s) for appropriations for Reclamation's implementation of System conservation measures during the interim period; (2) status of DCP implementation; (3) status of the proposed Colorado River Indian Tribes legislation; and (4) status of preparatory review and assessment of technical modeling needs and updates. Mr. Harris reported that the Central Arizona Water Conservation District (CAWCD) initiated an effort during the fall of 2020 to develop some proposed federal legislation that would provide appropriations for Reclamation's implementation of System water conservation activities that would result in the creation of up to 100,000 acre-feet annually during the remaining interim period of the DCPs and 2007 Guidelines. The states discussed the various legislative options and timing, which ranged from the stand-alone legislation proposed by CAWCD, to an add-on to either a larger reauthorization of the Water Infrastructure Improvements for the Nation (WIIN) Act or other large Biden administration infrastructure bill. The states will continue to coordinate with delegation staff members and Washington D.C. representatives to help determine the most effective path forward, with the hope that this could be accomplished over the next few months.

Mr. Harris reported the states also very briefly reported out the status of implementation of the basinwide DCPs. In the upper basin, it was reported that the recent 24-Month Study report minimum probable study indicates that Lake Powell could reach elevation 3,525 feet by March 2022. This has triggered the initiation of additional coordination and communication among the Upper Basin states and Reclamation associated with the Upper Basin Drought Operations Agreement that was executed in 2019. In the lower basin, Arizona reported that it has initiated a shortage implementation discussion among its stakeholders in anticipation of Lake Mead reaching or falling below elevation 1,075 feet in the next few years. California reported that due to the additionally flexibility provided by the 2019 Lower Basin DCP Agreement, that it had created and stored an additional 0.340 MAF of extraordinary conservation intentionally created surplus in Lake Mead in calendar-year 2020.

Mr. Harris also reported that the Lower Basin states initiated the formation of a small subprincipal's level group of technical representatives to work with Reclamation evaluating the modeling tools that are currently being used in basinwide water supply assessments, primarily the Colorado River Simulation System (CRSS) model. The purpose of the working group is to develop a sensitivity analysis and identify drivers and a deeper understanding of the implications that these drivers have for hydrologies, water use demands, and the various release regimes modeled in CRSS. Chairman Nelson reported that he was impressed with the organization of the technical modeling needs and how far they've come along.

Glen Canyon Dam Adaptive Management Program

Board staff Ms. Neuwerth reported that the Glen Canyon Dam Adaptive Management Program held its Annual Reporting meeting in conjunction with a Technical Work Group meeting on January 20-22. Ms. Neuwerth shared several updates from scientists on the status of the endangered humpback chub. The species was proposed for downlisting from endangered to threatened in 2020, but the group received an update from U.S. Fish and Wildlife Service (USFWS) staff that the proposal would take additional time to be finalized. Ms. Neuwerth reported that the main population of humpback chub, located at the confluence of the Little Colorado River, was maintaining a stable adult population. However, Ms. Neuwerth reported that the number of sub-adult fish was low enough to meet the first level trigger under the Long-Term Experimental and Management Plan (LTEMP) Biological Opinion, meant to provide an early warning if the population seems poised to decrease.

Ms. Neuwerth reported that, in contrast, researchers provided encouraging news about the status of the humpback chub population in the Western Grand Canyon. Ms. Neuwerth noted that this population has increased dramatically since 2014 and researchers now estimate the population to be as much as 15,000 to 30,000 fish. As a relatively new population, researchers are still trying to understand the population's stability. Ms. Neuwerth reported that researchers have been examining whether Pearce Ferry Rapid, a rapid within the full pool elevation of Lake Mead that has emerged as the lake level has declined, is acting as a barrier to nonnative fish and may be helping upstream native fish populations flourish. Surveys from the area detected mostly native fish above the barrier, and mostly nonnative fish below it. Ms. Neuwerth noted that additional research is needed to know how Pearce Ferry rapid interacts with changing Lake Mead levels and other variables.

Ms. Neuwerth noted that the number of nonnative brown trout below Glen Canyon Dam continues to increase, and the fish now make up approximately 16% of the fish population in the area. Ms. Neuwerth reported that fall High Flow Experiments (HFEs) might have prompted the fish to establish in the area, but a lot is still unknown about the drivers of the population. In response to a question from Mr. Harris, Ms. Neuwerth noted that despite no HFEs being conducted in fall 2019 and fall 2020, the brown trout population in the area continues to increase.

Ms. Neuwerth also reported on potential experimental releases that could be conducted at Glen Canyon Dam in 2021. Ms. Neuwerth noted that "bug flows" intended to increase invertebrate

production had been conducted at the dam during summer 2018, 2019, and 2020. The results so far are equivocal, with the flows appearing to increase the abundance of some insect taxa but not others. Ms. Neuwerth noted that a technical team will be meeting to consider whether to implement a fourth year of bug flows, with a decision expected by April.

Finally, Ms. Neuwerth reported that the Department of the Interior had approved implementation of a spring disturbance flow at Glen Canyon Dam in March. The flow will be conducted March 15-26 and consist of five days of 4,000 cfs flows (half of the normal minimum release) followed by approximately 84 hours at approximately 20,000 cfs, the maximum release within powerplant capacity.

ANNOUNCEMENTS

Washington, D.C. Updates

Mr. Harris reported that President Biden rescinded various Executive Orders enacted by President Trump. Mr. Harris noted that President Biden introduced an Executive Order that focuses on tackling climate change.

Mr. Harris reported that the DOI submitted a report to Congress on water supply challenges in the western United States and efforts to respond to them.

Mr. Harris reported that Representatives Ruiz and Vargas reintroduced a bill that is aimed at cleaning up the New River, a highly polluted waterway originating near Mexicali. Mr. Harris noted that the bill is known as the California New River Restoration Act.

Mr. Harris reported on acting agency leaders for the DOI. Mr. Harris noted that Scott de la Vega is the Acting Secretary; Radhika Fox has been nominated as the Principal Deputy Assistant Administrator for the EPA Office of Water; and Tanya Trujillo has been nominated as the Principal Deputy Assistant Secretary for Water and Science.

Next Scheduled Board Meeting

Finally, Mr. Harris noted that the next meeting of the Colorado River Board would be held on March 10, 2021 and would also be held virtually using the Zoom Webinar meeting platform.

ADJOURNMENT

With no further items to be brought before the Board, Chairman Nelson adjourned the meeting at 11:09 a.m.

RESOLUTION OF THE COLORADO RIVER BOARD OF CALIFORNIA

POSTHUMOUSLY HONORING

KEVIN KELLEY

WHEREAS, the water and power resources of the Colorado River are vital to the State of California and its citizens; and

WHEREAS, the Colorado River Board of California represents and protects California's water and power interests within the Colorado River Basin, consistent with the Law of the River, through negotiations and dialogues with the other Colorado River Basin states and the federal government; and

WHEREAS, the Imperial Irrigation District, one of the member agencies of the Board, has relied on the water and power resources of the Colorado River to serve its residents for more than a century, including supplying water to more than 424,000 acres of farmland; and

WHEREAS, Mr. Kevin Kelley, a lifelong resident of the Imperial Valley, served as General Manager of the Imperial Irrigation District from 2011 to 2019, bringing dedication, intelligence, and wit to bear on the challenges facing the Colorado River Basin, the State of California, and the District; and

WHEREAS, Mr. Kelley played a critical role with the District as it navigated difficult and important issues, including litigation over the water rights held in trust by IID, continued implementation of the Quantification Settlement Agreement, participation in joint binational conservation efforts, and the transition from land fallowing practices to implementation of a suite of water efficiency management policies;

WHEREAS, Mr. Kelley recognized the crucial importance of Salton Sea management to the residents of the Imperial Valley and the Colorado River Basin, and was instrumental in the execution of a Memorandum of Understanding with Imperial County prioritizing Salton Sea restoration efforts, the filing of a petition urging the State Water Resources Control Board to honor the State's commitment to restore the Salton Sea, and the resulting implementation of the Salton Sea Management Program; and

WHEREAS, Mr. Kelley displayed much-appreciated resourcefulness, directness, and humor during difficult discussions with colleagues across the Colorado River Basin and the State of California as the parties worked to develop complex binational and interstate agreements, tirelessly advocating for the interests of the Imperial Valley while maintaining the commitment to collaboration that has persisted in the Colorado River Basin despite major challenges and decades of drought; and

NOW THEREFORE BE IT RESOLVED that the Colorado River Board of California recognizes and honors the contributions of Mr. Kevin Kelley, including his dauntless advocacy for the Imperial Irrigation District and the Salton Sea and his tough but gracious leadership over his years of service to the District and the State of California and its water users;

BE IT FURTHER RESOLVED that the Colorado River Board of California and its staff extend their gratitude and condolences to Kevin's family and loved ones.

Unanimously adopted on the 10th day of March 2021.

Peter Nelson, Chairman	

/1,		

LOWER COLORADO WATER SUPPLY REPORT

LOWER COI	LORADO W	ATER SUPPLY F	REPORT						
	River Op	perations							
Bureau of Reclamation									
Questions: BCOOWaterops@usbr.gov									
(702) 293-8373 http://www.usbr.gov/lc/region/g4000/weekly.pdf									
		Content	Elev. (Feet	t 7-Day					
	PERCENT	1000	above mear	-					
CURRENT STORAGE	FULL	ac-ft (kaf)	sea level)	(CFS)					
LAKE POWELL	38%	9,226	3,571.46	12,000					
* LAKE MEAD	41%	10,622	1,087.26	11,300					
LAKE MOHAVE	93%	1,688	642.63	3 11,300					
LAKE HAVASU	92%	572	447.56	9,000					
TOTAL SYSTEM CONTENTS **	45%	26,959							
As of 2/28/2021	F 6 0	05.050							
SYSTEM CONTENT LAST YEAR	52%	31,010							
* Percent based on capacity of 26,120 k	af or elev	vation 1.219.6 fee	et.						
** TOTAL SYSTEM CONTENTS includes Upper & L				ead exclusive flood					
control space.	001010	ido kivei kebelvoli	o, less lake h	ad chordorve 1100d					
Salt/Verde System	77%	1,760							
Painted Rock Dam	0%	0	530.00	0					
Alamo Dam	12%	119	1,119.26	6 25					
Forecasted Water Use for Calendar Year 202	21 (as of 3	3/1/2021) (values	in kaf)						
NEVADA			262	2					
SOUTHERN NEVADA WATER SYSTEM				226					
OTHERS				36					
CALIFORNIA			4,490)					
METROPOLITAN WATER DISTRICT OF CALIE	TORNIA			1,068					
IRRIGATION DISTRICTS				3,404					
OTHERS				18					
30770V3			0 535	-					
ARIZONA			2,535						
CENTRAL ARIZONA PROJECT				1,401					
OTHERS				1,135					
TOTAL LOWER BASIN USE				7,287					
DELIVERY TO MEXICO - 2021 (Mexico Sched	luled Delive	ry + Preliminary Yea	rly Excess)	1,445					
OTHER SIGNIFICANT INFORMATION									
UNREGULATED INFLOW INTO LAKE POWELL -FEBF	RUARY MID-N	MONTH FORECAST DA	TED 2/16/2021						
		MILLIO	N ACRE-FEET	% of Normal					
FORECASTED WATER YEAR 2021			5.419	50%					
FORECASTED APRIL-JULY 2021			3.600	50%					
JANUARY OBSERVED INFLOW			0.198	55%					
FEBRUARY INFLOW FORECAST			0.220	56%					
		Upper Colora	do Basin S	alt/Verde Basin					
WATER YEAR 2021 PRECIP TO DATE		74% (1	0.9")	47% (6.4")					

 $^{^{1}}$ Delivery to Mexico forecasted yearly excess calculated using year-to-date observed and projected excess.

CURRENT BASIN SNOWPACK

83% (10.7") 33% (2.0")



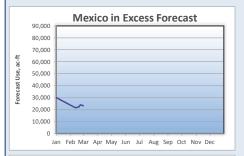
ARIZONA, CALIFORNIA, NEVADA, MEXICO FORECAST OF END OF YEAR CONSUMPTIVE USE FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS ¹ (ACRE-FEET)

	Use	Forecast	Approved	Excess to
	To Date	Use	Use 2	Approval
WATER USE SUMMARY	CY 2021	CY 2021	CY 2021	CY 2021
ARIZONA	314,718	2,535,186	2,532,097	3,089
CALIFORNIA	366,262	4,490,141	4,398,276	91,865
NEVADA	20,717	261,847	338,153	-76,306
3				
STATES TOTAL ³	701,697	7,287,174	7,268,526	18,648
,				
TOTAL DELIVERIES MEXICO IN SATISFACTION OF TREATY REQUIREMENTS 4	239,794	1,421,660		
CREATION OF MEXICO'S RECOVERABLE WATER SAVINGS 5	0	41,000		
CREATION OF MEXICO'S WATER RESERVE 6	36,994	37,340		
TOTAL TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	276,788	1,500,000		
TO MEXICO IN EXCESS OF TREATY 7	7,104	22,979		
WATER BYPASSED PURSUANT TO IBWC MINUTE, NO. 242 8	16.424	113,278		
WATER DIFASSED FORSOANT TO IBWC WIINOTE NO. 242	10,424	113,276		
TOTAL LOWED BACKLO MENIOD 9				
TOTAL LOWER BASIN & MEXICO 9	965,019	8,845,091		

- ¹ Incorporates 80 daily reporting stations which may be revised after provisional data reports are distributed by the USGS. Use to date estimated for users reporting monthly and annually.
- ² These values reflect adjusted apportionments. See Adjusted Apportionment calculation on each state page.
- ³ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona
- Department of Water Resources, Colorado River Board of California, and Reclamation.
- ⁴ Includes deliveries to Mexico at the Northerly International Boundary, Southerly International Boundary, Limitrophe, and Diversion Channel Discharge; and diversions at Parker Dam for Emergency Delivery to Tijuana; does not include Creation of Mexico's Water Reserve or Creation of Mexico's Recoverable Water Savings.
- ⁵ Water deferred by Mexico pursuant to Section IV of IBWC Minute 323 and the Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin, dated July 11, 2019. (Mexico's required Binational Water Scarcity Contingency Plan Contribution).
- ⁶ Water deferred by Mexico pursuant to Section V of IBWC Minute 323.
- Mexico excess forecast is based on the 5-year average for the period 2015-2019.

Bypass forecast is based on the average for the period 1990-2019.

Includes States Total, Deliveries to Mexico in Satisfaction of Treaty, To Mexico in Excess of Treaty, and Water Bypassed Pursuant IBWC Minute 242.



AZ Others Forecast

1,260,000

1,240,000

‡ 1,200,000

1,180,000

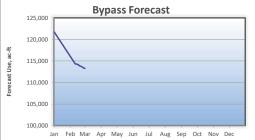
1.160.000

1,140,000

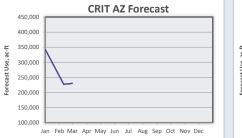
1,120,000 1,100,000

1,080,000

1,060,000

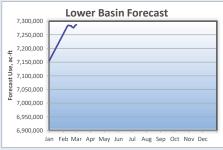


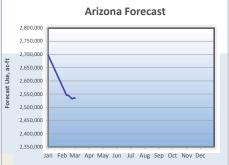


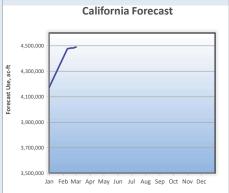


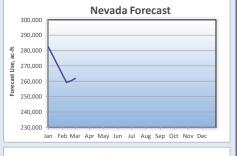
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



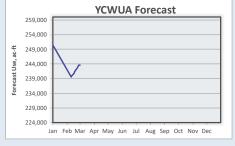












Graph notes: January 1 forecast use is scheduled use in accordance with the Annual Operating Plan's state entitlements, available unused entitlements, and over-run paybacks. A downward sloping line indicates use at a lower rate than scheduled, upward sloping is above schedule, and a flat line indicates a use rate equal to schedule. Lower priority users such as CAP, MWD, and Robt.B.Griffith may adjust use rates to meet state entitlements as higher priority use deviates from schedule. Abrupt changes in the forecast use line may be due to a diversion schedule change or monthly updating of provisional realtime diversions.



NOTE:

Diversions and uses that are pending approval are noted in red

Italics.

Water users with a consumptive use entitlement - Excess to Estimated Use column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.

Water user with a diversion entitlement - Excess to Approved Diversion column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

ARIZONA WATER USERS

FORECAST OF END OF YEAR CONSUMPTIVE USE

FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS

Arizona Schedules and Approvals

Historic Use Records (Water Accounting Reports)

	Use	Forecast	Estimated	Excess to Estimated	Diversion	Forecast	Approved	Excess to Approved
	To Date	Use	Use	Use	To Date	Diversion	Diversion	Diversion
WATER USER	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021
ARIZONA PUMPERS	1,951	15,512	15,512		2,882	22,912	22,912	0
LAKE MEAD NRA, AZ - Diversions from Lake Mead	4	69	69		4	69	69	0
LAKE MEAD NRA, AZ - Diversions from Lake Mohave	23	212	212		23	212	212	0
DAVIS DAM PROJECT BULLHEAD CITY	1,039	2 8,163	8,163		1,637	17 12,720	17 12,720	0
MOHAVE WATER CONSERVATION DISTRICT	85	676	676		1,037	1,010	1,010	0
BROOKE WATER LLC	44	323	323		65	485	485	0
MOHAVE VALLEY I.D.D.	2,073	15,932	15,932		3,839	29,503	29,503	0
FORT MOJAVE INDIAN RESERVATION, AZ	3,648	44,148	44,550		6,756	81,756	82,500	-744
GOLDEN SHORES WATER CONSERVATION DISTRICT	36	286	286		54	427	427	0
HAVASU NATIONAL WILDLIFE REFUGE	23	3,341	3,564		189	39,144	41,835	-2,691
LAKE HAVASU CITY	1,121	9,021	9,021		1,808	14,550	14,550	0
CENTRAL ARIZONA PROJECT	235,070	1,400,570			235,070	1,400,570		
TOWN OF PARKER	38	430	430		103	917	917	0 475
COLORADO RIVER INDIAN RESERVATION, AZ	8,299 29	230,772 232	226,280 232		40,466 41	501,172 325	509,647 325	-8,475 0
EHRENBURG IMPROVEMENT ASSOCIATION CIBOLA VALLEY 1								
CIBOLA VALLEY CIBOLA NATIONAL WILDLIFE REFUGE	371 455	15,618 14,264	15,618 14,264	0	518 733	21,843 23,005	21,843 23,005	0 0
IMPERIAL NATIONAL WILDLIFE REFUGE	594	3,799	3,799	0	957	6,128	6,128	0
BLM PERMITEES (PARKER DAM to IMPERIAL DAM)	106	844	844	O	163	1,299	1,299	0
CHA CHA. LLC	112	1.365	1.365		171	2,100	2,100	0
BEATTIE FARMS	59	722	722		89	1,110	1,110	0
YUMA PROVING GROUND	30	516	516		30	516	516	0
GILA MONSTER FARMS	498	5,105	5,273		943	8,902	9,156	-254
WELLTON-MOHAWK IDD	18,548	273,754	278,000	-4,246	36,173	403,598	412,965	-9,367
BLM PERMITEES (BELOW IMPERIAL DAM)	9	74	74	0	14	114	114	0
CITY OF YUMA	905	14,692	16,201	-1,509	2,456	25,556	27,500	-1,944
MARINE CORPS AIR STATION YUMA UNION PACIFIC RAILROAD	129 4	1,306 29	1,320 29		129 8	1,306 48	1,320 48	-14 0
UNIVERSITY OF ARIZONA	78	898	898		78	898	898	0
YUMA UNION HIGH SCHOOL DISTRICT	10	150	150		13	200	200	0
DESERT LAWN MEMORIAL	3	23	23		4	33	33	0
NORTH GILA VALLEY IRRRIGATION DISTRICT	354	11,127	11,563		3,553	42,753	44,200	-1,447
YUMA IRRIGATION DISTRICT	3,326	37,467	37,835		6,446	68,946	69,900	-954
YUMA MESA I.D.D.	12,689	155,040	150,455		18,135	238,235	242,080	-3,845
UNIT "B" IRRIGATION DISTRICT	1,577	21,653	20,816		2,026	28,976	29,400	-424
FORT YUMA INDIAN RESERVATION YUMA COUNTY WATER USERS' ASSOCIATION	188 20,769	1,494 243,585	1,494 242,377		289 36,630	2,299 359,930	2,299 360,400	0 -470
COCOPAH INDIAN RESERVATION	392	1,745	1,686		488	2,553	2,585	-470
RECLAMATION-YUMA AREA OFFICE	29	227	227		29	2,333	2,303	-32
RETURN FROM SOUTH GILA WELLS	20				20			ŭ
TOTAL ARIZONA	314,718	2,535,186	2,555,301		403,141	3,346,364	3,400,955	
CAP	235,070	1,400,570				1,400,570		
ALL OTHERS	79,648	1,134,616	1,130,801			1,945,794	1,976,455	
YUMA MESA DIVISION, GILA PROJECT	16,369	203,634	199,853	3,781		349,934		
ARIZONA ADJUSTED APPORTIONMENT CALCULATION		0.000.00						
Arizona Basic Apportionment		2,800,000						
System Conservation Water - Pilot System Conservation Program ²		(360)						
System Conservation Water - Colorado River Indian Tribes (CRIT) 3		(50,000)						
System Conservation Water - Fort McDowell Yavapai Nation (FMYN) 4		(13,933)						
System Conservation Water - Mohave Valley I.D.D. (MVIDD) 5		(6,925)						
Creation of Extraordinary Conservation ICS - CRIT (Estimated) 6,7		(4,685)						
Arizona DCP Contribution ⁸		(192,000)						
Total State Adjusted Apportionment		2,532,097						
Excess to Total State Adjusted Apportionment		3,089						
Estimated Allowable Use for CAP		1,397,481						

Includes the following water users within the Cibola Valley Cibola Valley IDD. Arizona Game and Fish Commission, GSC Farms, Red River Land Co., Western Water, and the Hopi Tribe

Voluntary Water Conservation and Reductions in use During Calendar Years 2020-2022. This System Conservation Water will remain in Lake Mead to benefit system storage.

AF per annum or more of Colorado River System water to contribute to conservation of water supplies in Lake Mead and other Colorado River reservoirs in the Lower Basin.

conservation of water supplies in Lake Mead and other Colorado River reservoirs in the Lower Basin.

NOTES: Click on Arizona Schedules and Approvals above for incoming diversion schedules and approvals.

² The estimated amount of System Conservation Water that will be created by the City of Bullhead City pursuant to System Conservation Implementation Agreement (SCIA) No. 15-XX-30-W0587, as amended. This System Conservation Water will remain in Lake Mead to benefit system storage.

³ System Conservation Water to be created by CRIT pursuant to the Agreement Among the United States of America, Through the Department of the Interior, Bureau of Reclamation, the State of Arizona,

⁴ CAP water being conserved by FMYN pursuant to SCIA No. 20-XX-30-W0688, which will remain in Lake Mead to benefit system storage. In accordance with this SCIA and Section 3.b of the Lower

⁶ CRIT has been approved to create up to 4,685 AF of Extraordinary Conservation (EC) ICS in 2021. The actual amount of EC ICS created by CRIT will be based on final accounting and verification.

When combined with the approved EC ICS creation amounts of other ICS Creators in the state of Arizona, the total amount of EC ICS approved for creation in the state of Arizona is 110,185 AF, which exceeds the state's annual creation limit set forth in Section XI.G.3.B.4 of the 2007 Interim Guidelines. In accordance with Section XI.G.3.B.4 and Section IV.B of the Lower Basin Drought Contingency Operations (LBOps), the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2021 will be limited to 625,000 AF. Additionally, the total amount accumulated in Arizona's ICS accounts will be limited in accordance with Section IV.C. of LBOps.

⁸ In accordance with Section III.B.1.a of LBOps, the state of Arizona shall make an annual DCP Contribution in the total amount of 192,000 AF. In accordance with the Agreement Regarding Lower Basin Drought Contingency Plan Obligations, it is currently anticipated that the required DCP Contribution will be made by the Central Arizona Water Conservation District (CAWCD) through the creation of EC ICS by and reductions in consumptive use. CAWCD has been approved to create up to 60,500 AF of EC ICS in 2021. The actual amount of EC ICS created by CAWCD and credited toward the DCP Contribution will be based on final accounting and verification.

NOTE

Diversions and uses that are pending approval are noted in red italics.
 Water users with a consumptive use entitlement - Excess to
 Estimated Use column indicates overrun/underrun of entitlement. Dash

in this column indicates water user has a diversion entitlement Water user with a diversion entitlement - Excess to Approved Diversion column indicates overrun/underrun of entitlement. Das this column indicates water user has a consumptive use entitlement.

CALIFORNIA WATER USERS

FORECAST OF END OF YEAR CONSUMPTIVE USE

FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS

California Schedules and Approvals

Historic Use Records (Water Accounting Reports)

				Excess to				Excess to
	Use	Forecast	Estimated	Estimated	Diversion	Forecast	Approved	Approved
	To Date	Use	Use	Use	To Date	Diversion	Diversion	Diversion
WATER USER	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021
CALIFORNIA PUMPERS	184	1,466	1,466		333	2,646	2,646	0
FORT MOJAVE INDIAN RESERVATION, CA	674	8,486	8,996		1,253	15,773	16,720	-947
CITY OF NEEDLES (includes LCWSP use)	175	1,605	1,605	0	247	2,261	2,261	0
METROPOLITAN WATER DISTRICT	69,739	1,068,106			70,069	1,070,569		
COLORADO RIVER INDIAN RESERVATION, CA	631	5,014	5,014		1,045	8,307	8,307	0
PALO VERDE IRRIGATION DISTRICT	8,180	413,760	428,620		67,348	852,348	865,000	-12,652
YUMA PROJECT RESERVATION DIVISION	2,542	49,329	50,244		7,779	94,948	96,884	-1,936
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT					3,719	44,488	45,384	-896
YUMA PROJECT RESERVATION DIVISION - BARD UNIT					4,060	50,460	51,500	-1,040
YUMA ISLAND PUMPERS	205	1,630	1,630		371	2,946	2,946	0
FORT YUMA INDIAN RESERVATION - RANCH 5	82	938	938		147	1,696	1,696	0
IMPERIAL IRRIGATION DISTRICT 1	242,370	2,560,628	2,622,800	-62,172	250,603	2,625,466	2,694,973	
SALTON SEA SALINITY MANAGEMENT	0	0	0	0	0	0	0	
COACHELLA VALLEY WATER DISTRICT	41,380	378,380	379,000	-620	42,841	389,194	390,812	
OTHER LCWSP CONTRACTORS	66	527	527		116	922	922	0
CITY OF WINTERHAVEN	8	63	63		11	91	91	0
CHEMEHUEVI INDIAN RESERVATION	26	209	209		1,427	11,340	11,340	0
TOTAL 044/50BW4	000 000				440.500	5 070 507	5 404 500	
TOTAL CALIFORNIA	366,262	4,490,141			443,590	5,078,507	5,164,598	

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment 4,400,000 System Conservation Water - Pilot System Conservation Program ² (145)IID Creation of Extraordinary Conservation ICS - Stored in Lake Mead (Estimated) $^{\rm 3}$ (1,579)MWD Creation of Extraordinary Conservation ICS (Estimated) 4 0 Total State Adjusted Apportionment 4 398 276 Excess to Total State Adjusted Apportionment 91.865

Estimated Allowable Use for MWD

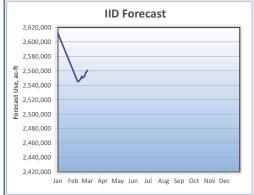
976.241

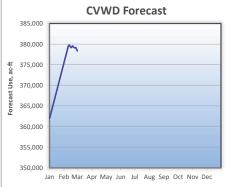
As shown here, IID's Approved Diversion and Estimated Use values reflect the maximum amount of Colorado River water available to IID in 2021.

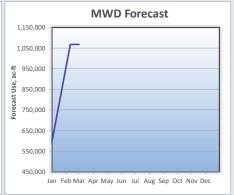
2 System Consevation Water to be conserved by the City of Needles pursuant to System Conservation Implementation Agreement No. 15-XX-30-W0596, executed under the Pilot System Conservation Program. This water will remain in Lake Mead to benefit system storage.

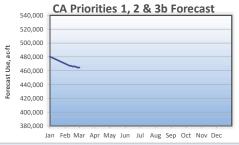
3 IID has been approved to create up to 62,000 AF of "Additional Conserved Water" in 2021 for purposes including, but not limited to, the creation of ICS. Due to limitations set forth in the California ICS Agreement, IID may currently only store up to 1,579 AF in its Lake Mead ICS Account. Should IID elect to use "Additional Conserved Water" to create and credit EC ICS to the ICS account of another California contractor through application of Section XI.G.3.B.8 of the 2007 Interim Guidelines, IID must first obtain written agreement of the contractor. The actual amount of "Additional Conserved Water" created by IID in 2021 will be based on final accounting and verification.

4 MWD has been approved to create up to 450,000 AF of EC ICS in 2021, less the amount of EC ICS created by IID, and further limited to the amount that, when added to the EC ICS created by the states of Arizona and Nevada, does not exceed 625,000 AF. The actual amount of EC ICS created by MWD will be based on final accounting and verification.

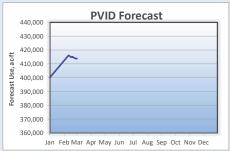












NOTES: Click on California Schedules and Approvals above for incoming diversion schedules and approvals



NEVADA WATER USERS

FORECAST OF END OF YEAR CONSUMPTIVE USE

FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS

Nevada Schedules and Approvals

<u>Historic Use Records (Water Accounting Reports)</u>

• Diversions and uses that are pending approval are noted in red

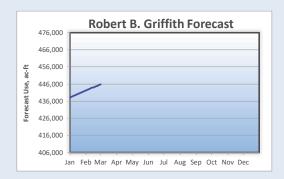
 Water users with a consumptive use entitlement - Excess to Estimated Use column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.

Water user with a diversion entitlement - Excess to Approved Diversion column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

				Excess to				Excess to
	Use	Forecast	Estimated	Estimated	Diversion	Forecast	Approved	Approved
	To Date	Use	Use	Use	To Date	Diversion	Diversion	Diversion
WATER USER	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021	CY 2021
ROBERT B. GRIFFITH WATER PROJECT (SNWS)	52,605	445,787	440,686	5,101	52,605	445,787	440,686	5,101
LAKE MEAD NRA, NV - Diversions from Lake Mead	80	1,500	1,500		80	1,500	1,500	0
LAKE MEAD NRA, NV - Diversions from Lake Mohave	35	500	500		35	500	500	0
BASIC MANAGEMENT INC.	540	8,208	8,208		540	8,208	8,208	0
CITY OF HENDERSON (BMI DELIVERY)	1,740	15,878	15,878		1,740	15,878	15,878	0
NEVADA DEPARTMENT OF WILDLIFE	1	12	12	0	82	1,000	1,000	
PACIFIC COAST BUILDING PRODUCTS INC.	81	928	928		81	928	928	0
BOULDER CANYON PROJECT	22	172	172		38	300	300	0
BIG BEND WATER DISTRICT	261	4,733	4,733		651	10,000	10,000	0
FORT MOJAVE INDIAN TRIBE	152	3,770	4,020		227	5,627	6,000	-373
LAS VEGAS WASH RETURN FLOWS	-34,800	-219,641	-221,637					
TOTAL NEVADA	20,717	261,847	255,000	5,101	56,079	489.728	485,000	4,728
TOTAL NEVADA	20,717	201,047	233,000	3,101	30,079	409,720	465,000	4,720
SOUTHERN NEVADA WATER SYSTEM (SNWS)	17,805	226,146				445,787		
ALL OTHERS	2,912	35,701				43,941		
NEVADA USES ABOVE HOOVER	20,304	253,344				474,101		
NEVADA USES BELOW HOOVER	413	8,503				15,627		
		-,				,		
Tributary Conservation (TC) Intentionally Created Surplus (ICS)								
Southern Nevada Water Authority (SNWA) Creation of TC ICS (Approved) 1		43,000						
ζ, (,, (,		,						
NEVADA ADJUSTED APPORTIONMENT CALCULATION								
Nevada Basic Apportionment		300,000						
SNWA Creation of Extraordinary Conservation (EC) ICS (Estimated) ²		38,153						
Total State Adjusted Apportionment	-	338,153						
Excess to Total State Adjusted Apportionment		-76,306						
, , , , ,		.,						

¹ SNWA has been approved to create up to 43,000 AF of TC ICS in 2021. The actual amount of TC ICS created by SNWA will be based on final accounting and verification.

² SNWA has been approved to create up to 100,000 AF of EC ICS in 2021. The actual amount of EC ICS created by SNWA will be based on final accounting and verification. The total amount accumulated in Nevada's ICS accounts will be limited in accordance with Section IV.C. of the Lower Basin Drought Contingency Operations.





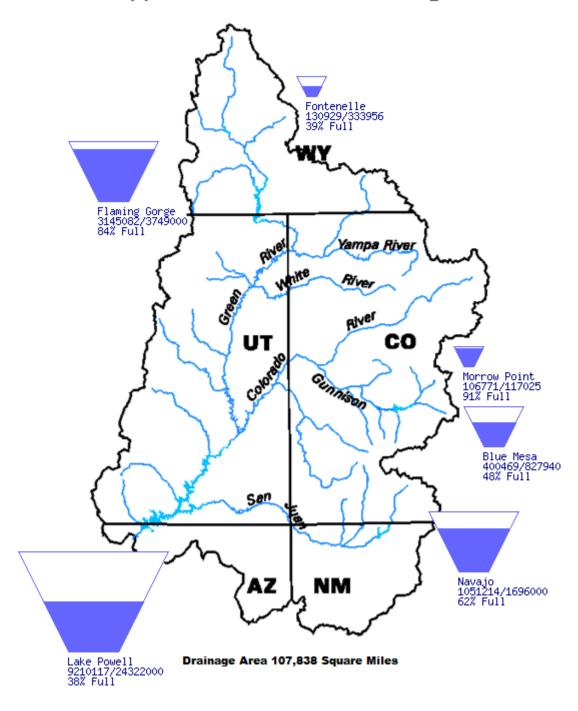
NOTES: Click on Nevada Schedules and Approvals above for incoming diversion schedules and approvals.

Upper Colorado Region Water Resources Group

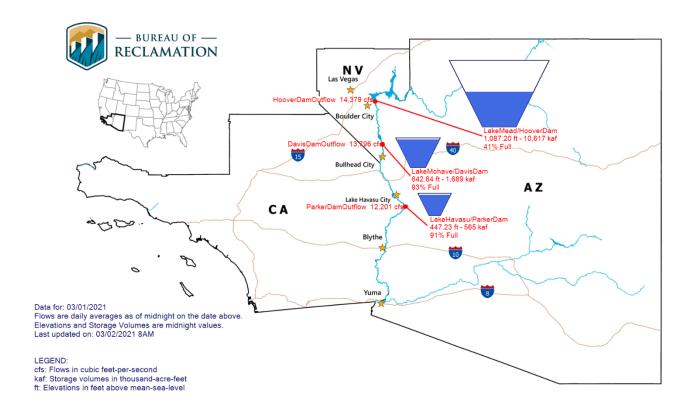
River Basin Tea-Cup Diagrams

Data Current as of: 03/01/2021

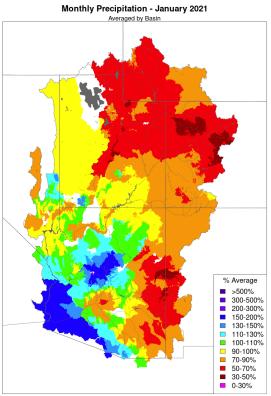
Upper Colorado River Drainage Basin



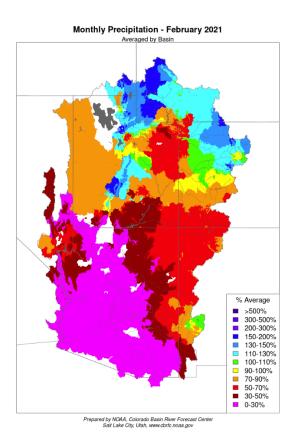
Lower Colorado River Teacup Diagram



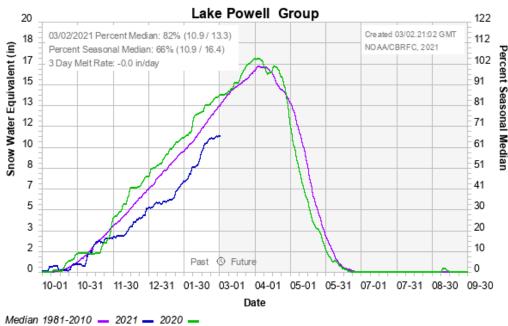
NOAA National Weather Service Monthly Precipitation Map January and February 2021



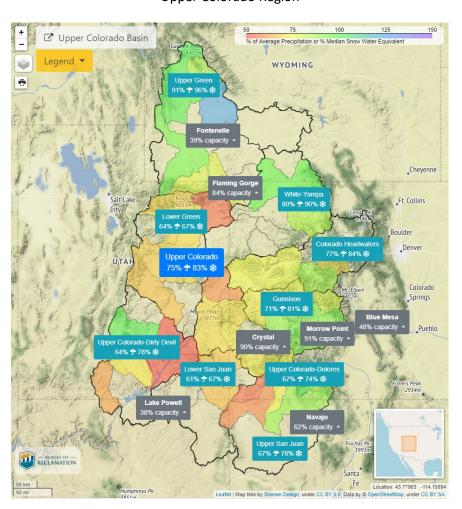
Prepared by NOAA, Colorado Basin River Forecast Center Salt Lake City, Utah, www.cbrfc.noaa.gov



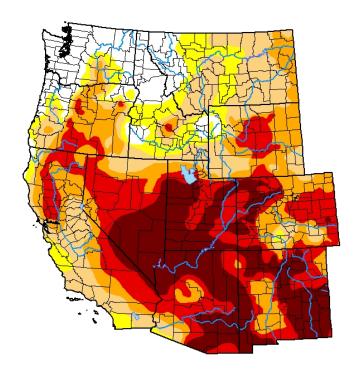
Colorado Basin River Forecast Center



Snow Pack Conditions Map Upper Colorado Region



U.S. Drought Monitor
West



March 2, 2021

(Released Thursday, Mar. 4, 2021) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	10.91	89.09	79.92	60.82	41.80	20.42
Last Week 02-23-2021	7.35	92.65	78.93	61.18	42.13	20.43
3 Month's Ago 12-01-2020	12.01	87.99	75.55	60.89	44.67	22.10
Start of Calendar Year 12-29-2020	11.57	88.43	78.63	65.18	46.49	22.16
Start of Water Year 09-29-2020	8.51	91.49	76.07	54.55	33.11	2.31
One Year Ago 03-03-2020	51.75	48.25	23.66	3.02	0.00	0.00

Intensity:

None
D0 Abnormally Dry

D2 Severe Drought
D3 Extreme Drought

D1 Moderate 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:

Brian Fuchs

National Drought Mitigation Center

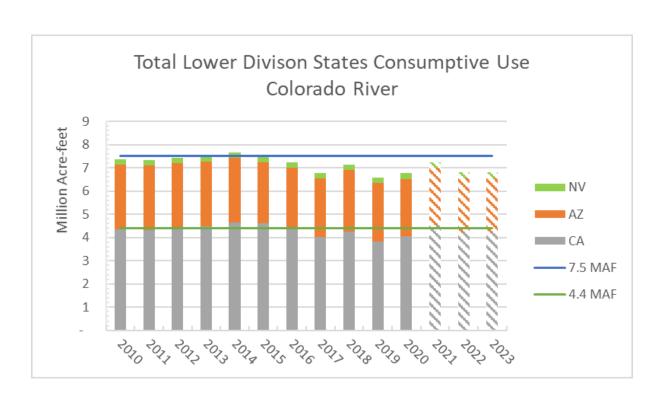
USDA

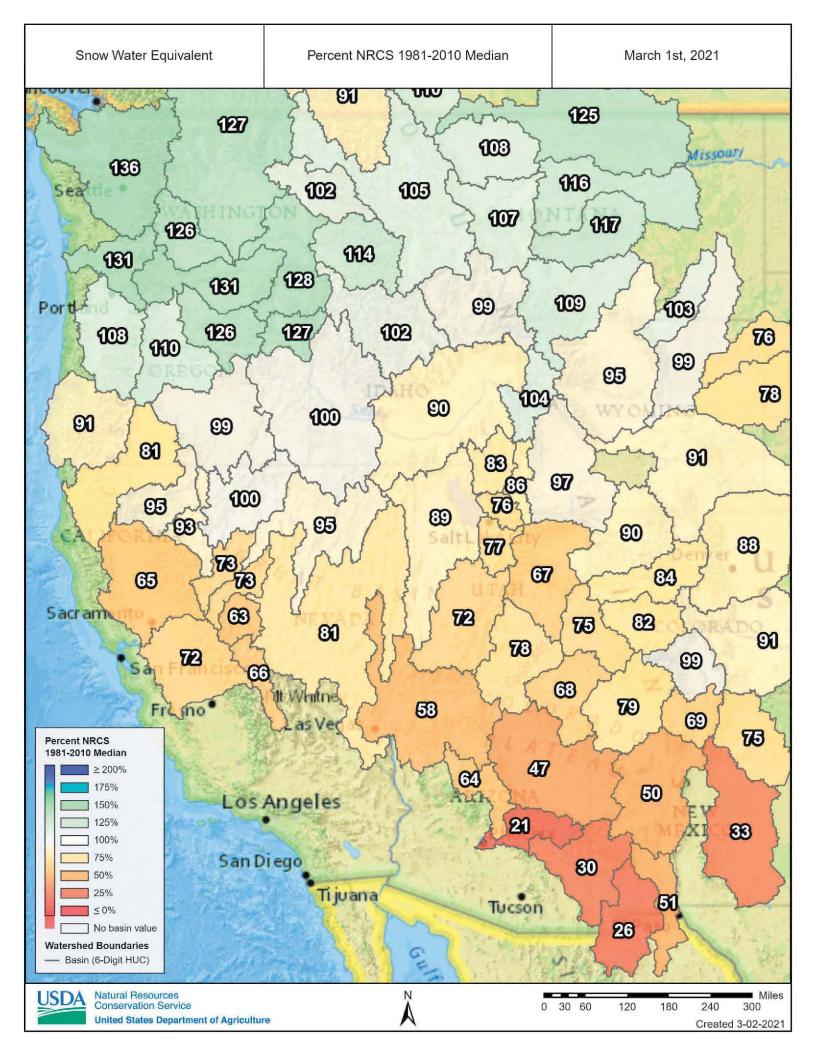


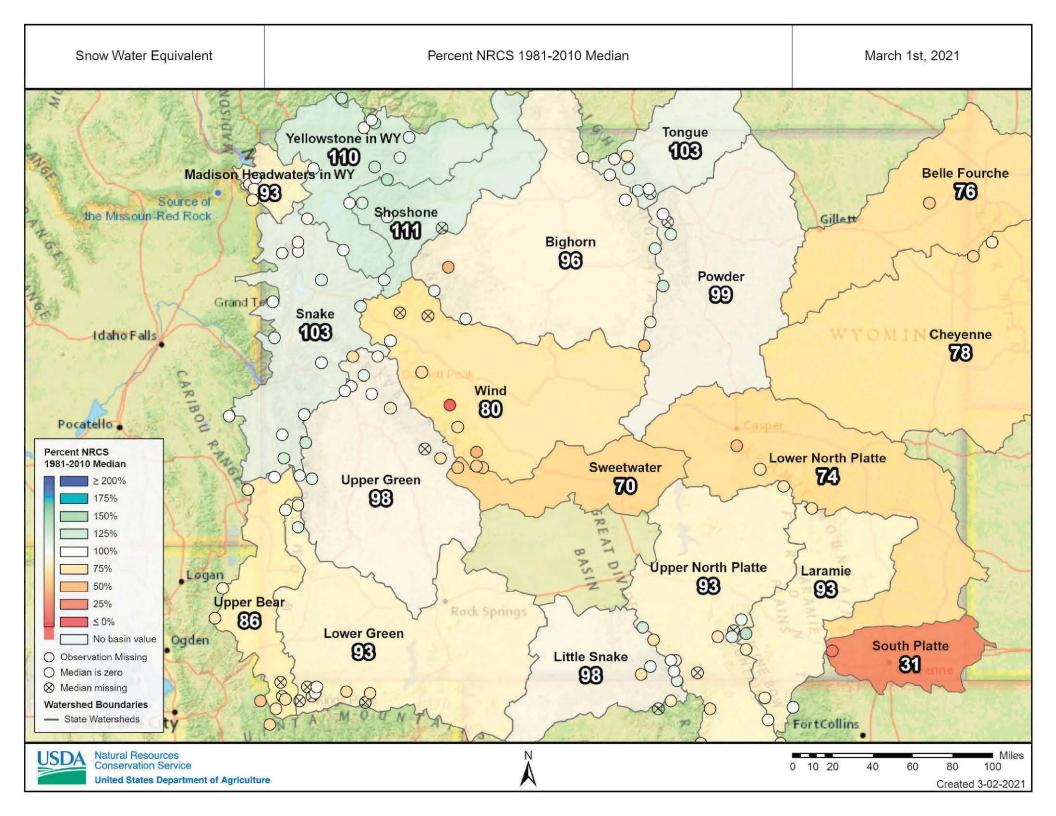


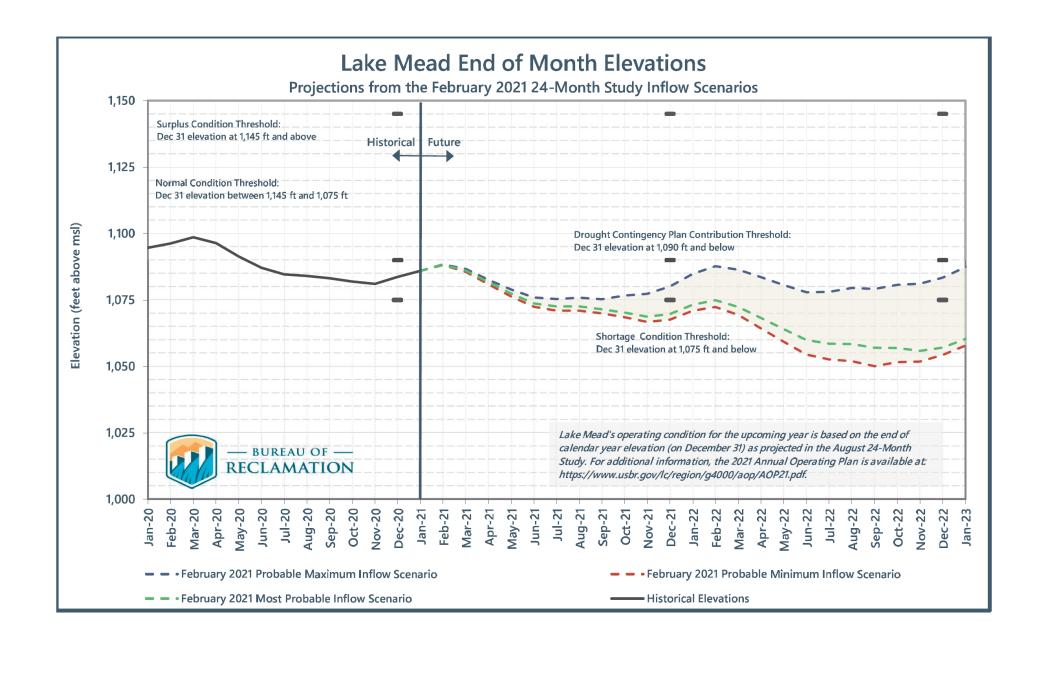


droughtmonitor.unl.edu



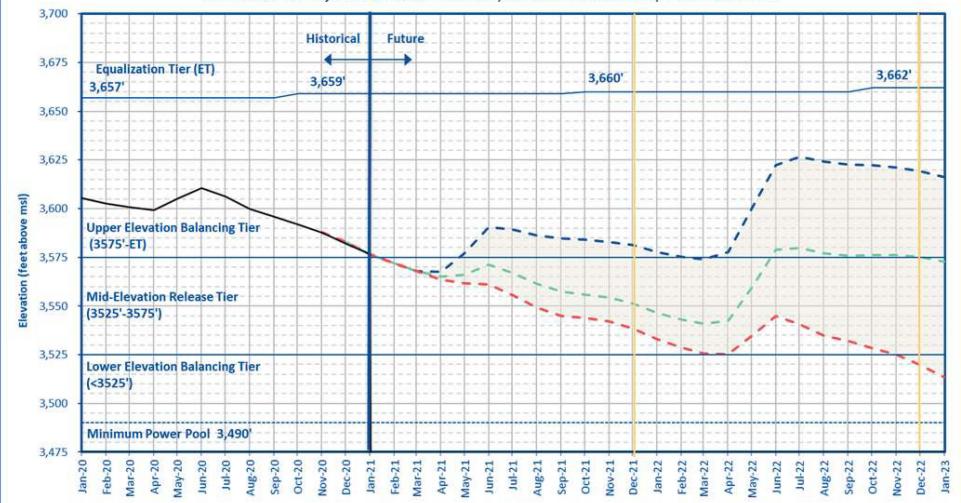






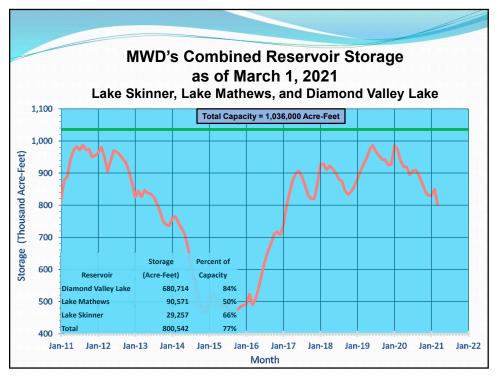
Lake Powell End of Month Elevations

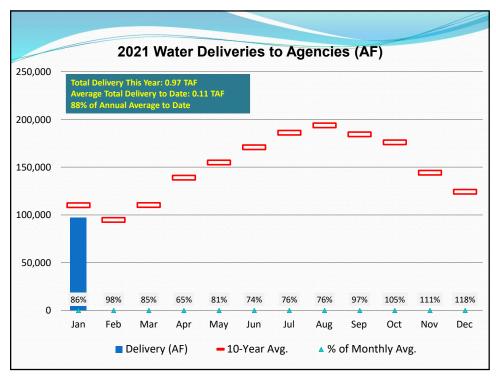
Historical and Projected based on February 2021 24-Month Study Inflow Scenarios

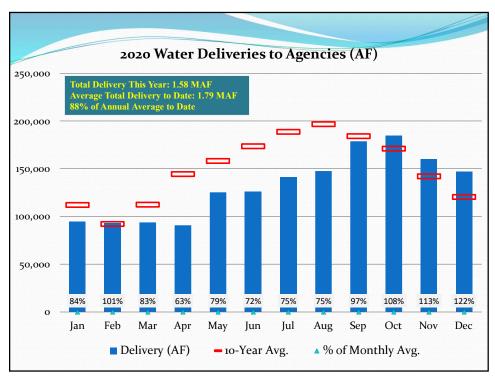


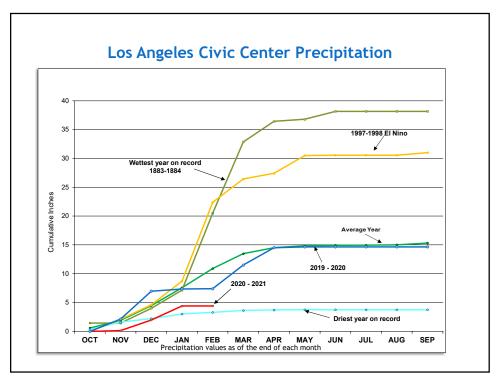
- Feb 2021 Most Probable Lake Powell release of 8.23 maf in WY2021, 7.48 maf in WY2022 and 7.48 maf in WY2023
- Feb 2021 Max Probable Lake Powell release of 8.23 maf in WY2021, 9.0 maf in WY2022 and 9.0 maf in WY2023
- Feb 2021 Min Probable Lake Powell release of 8.23 maf in WY2021, 7.48 maf in WY2022, and 8.15 maf in WY2023
 - Historical Elevations







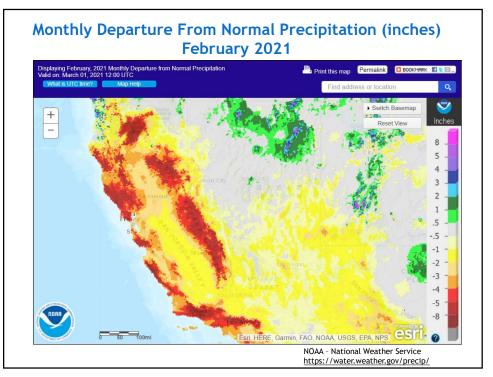


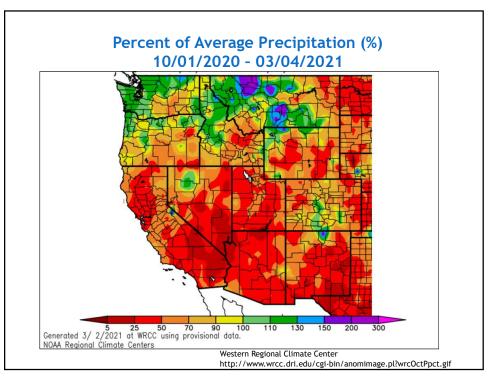


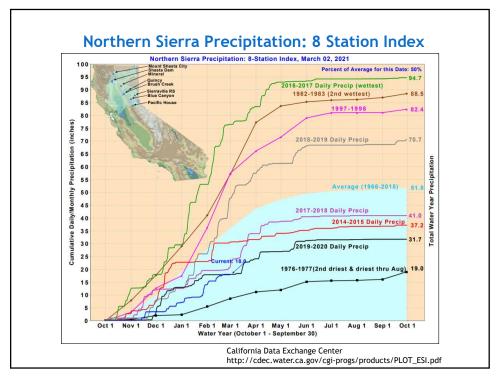
Precipitation at Six Major Stations in Southern California

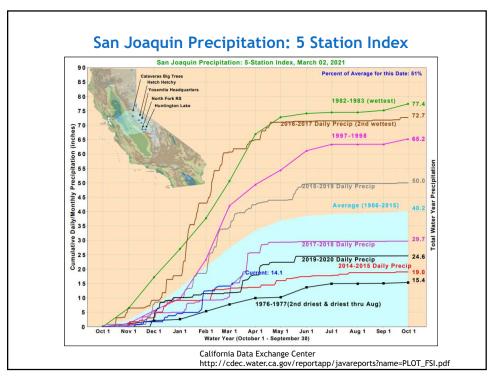
From October 1, 2020 to February 28, 2021

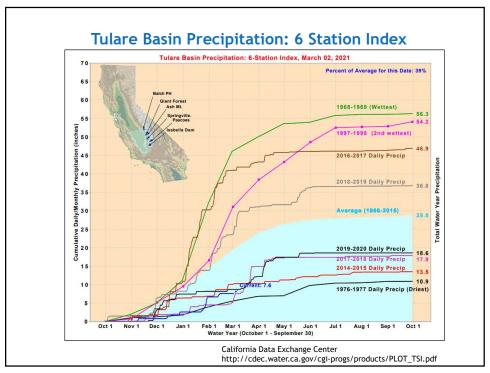
	A	D		
Station	Feb	Oct 1 to Feb 28	Average to Date	Percent of Average
San Luis Obispo	0.14	7.61	16.69	46%
Santa Barbara	0.00	4.88	12.91	38%
Los Angeles	0.02	4.41	10.88	41%
San Diego	0.10	2.76	7.23	38%
Blythe	0.00	0.88	2.08	42%
Imperial	0.00	0.00	1.81	0%



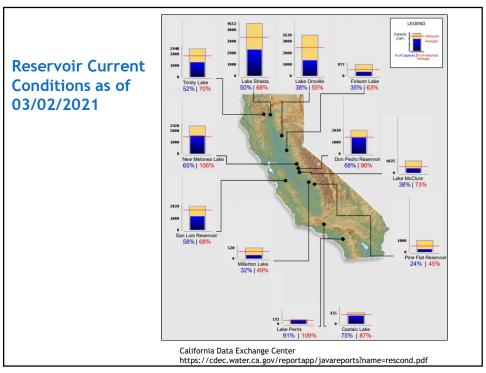


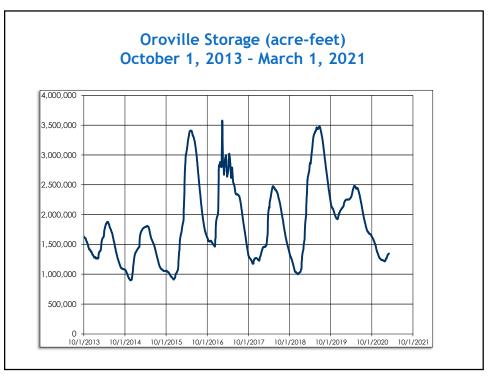


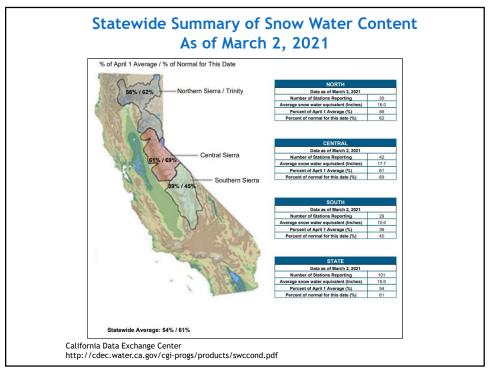




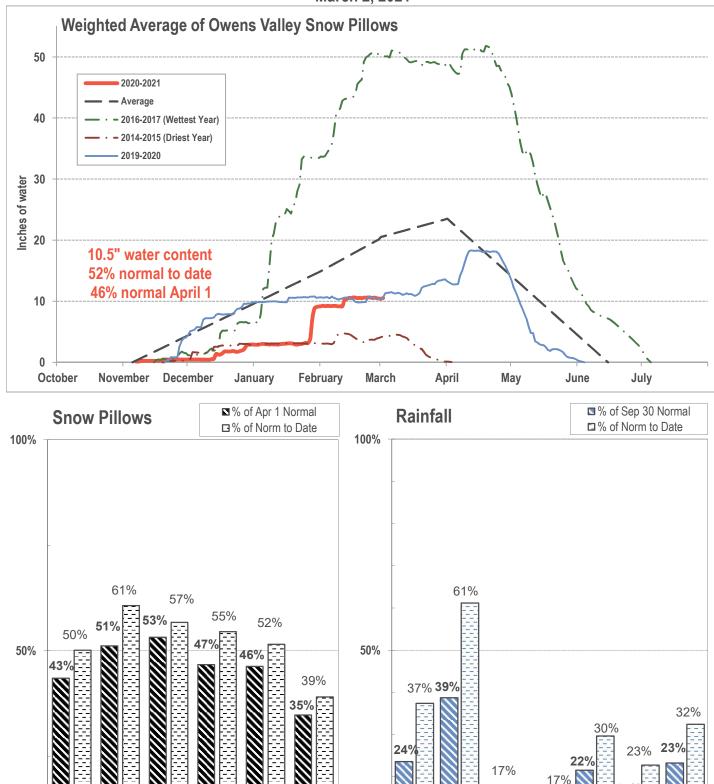
		2020 Storage (acre-feet)		2021 Storage (acre-feet)	
Reservoir	Capacity	As of % of		As of % of	
		Mar 1	Cap.	Mar 1	Cap.
Frenchman	55,475	45,401	82%	36,140	65%
Lake Davis	84,371	62,027	74%	51,887	61%
Antelope Oroville	22,564 3,553,405	17,125 2,225,634	76% 63%	13,011 1,348,273	58% 38%
TOTAL North	3,715,815	2,350,187	63%	1,449,311	39%
Del Valle San Luis	39,914 2,027,835	25,518 1,405,526	64% 69%	30,574 1,178,895	77% 58%
Pyramid	169,901	155,793	92%	154,066	91%
1	319,247	252,811	79%	244,711	77%
Silverwood	74,970	61,899	83%	65,554	87%
Perris	132,614	103,002	78%	119,766	90%
Castaic Silverwood Perris TOTAL South	319,247 74,970	252,811 61,899	79% 83%	244,711 65,554	







EASTERN SIERRA CURRENT PRECIPITATION CONDITIONS March 2, 2021



Big Pine

Crk

8.4 in.

Gem

Pass

15.0 in.

Pass

21.8 in.

7.3 in.

9.0 in.

Cottnwd

Lakes

4.4 in.

Long

Valley

3.82 in.

Cain

Ranch

2.38 in.

Bishop

0.74 in.

Big

Pine

1.12 in. 1.18 in.

So.

Haiwee

1.04 in.

Angeles