

Water Supply Update

Board of Directors

February 28, 2023

Water Supply Briefing



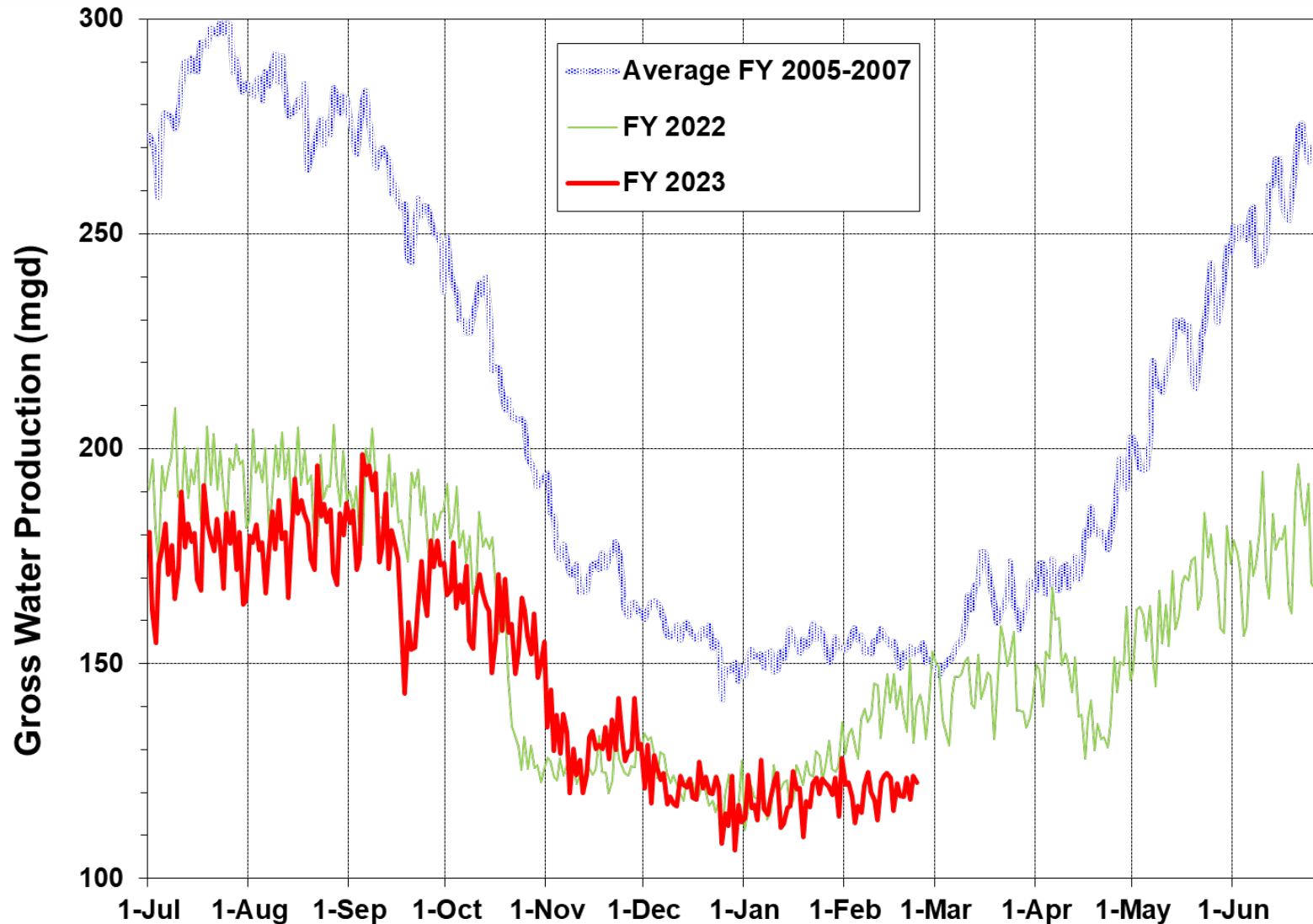
- Current Water Supply
- California Water Supply
- Water Supply Projections



Pardee Spillway, Pardee Operator, January 2023

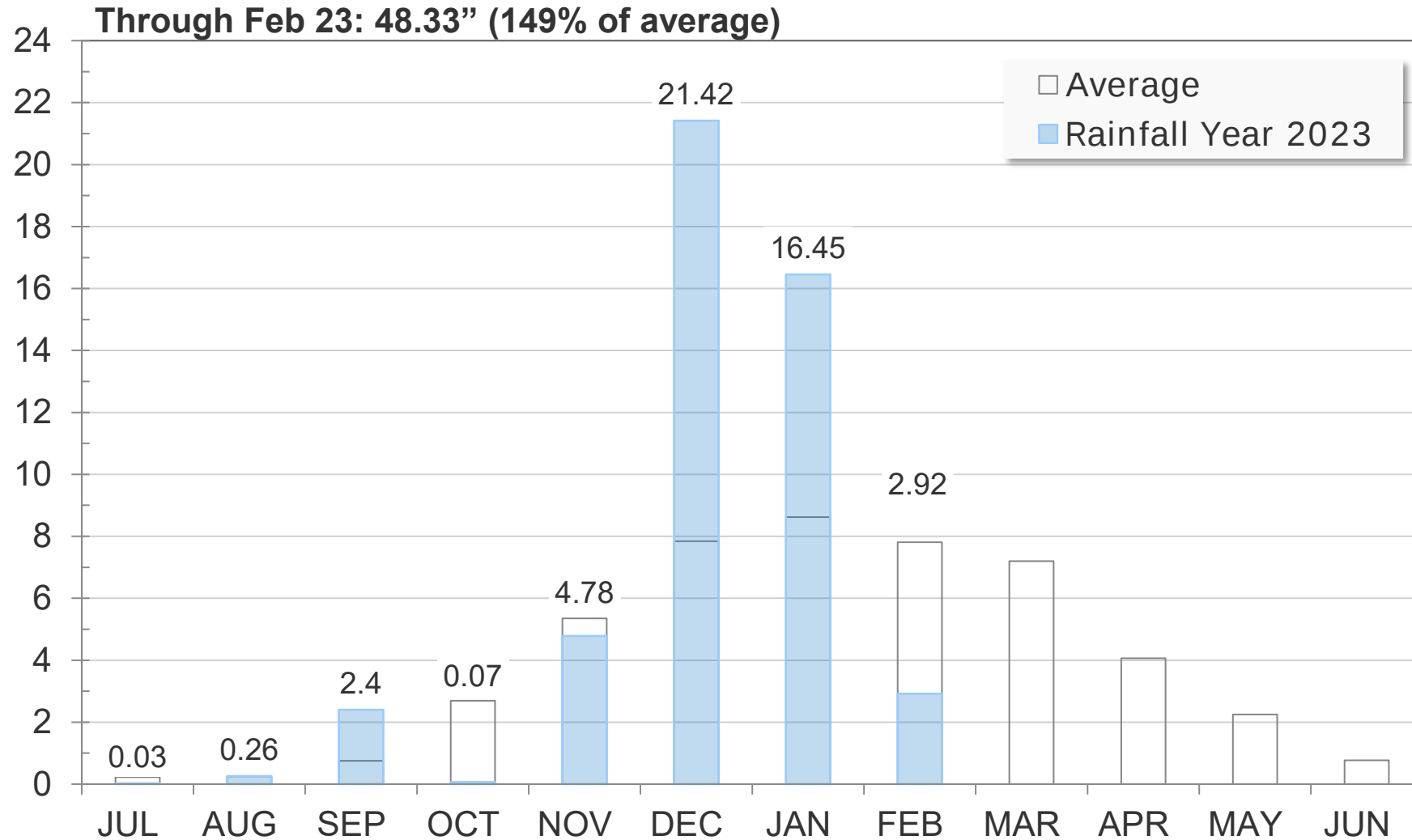
Current Water Supply

Gross Water Production



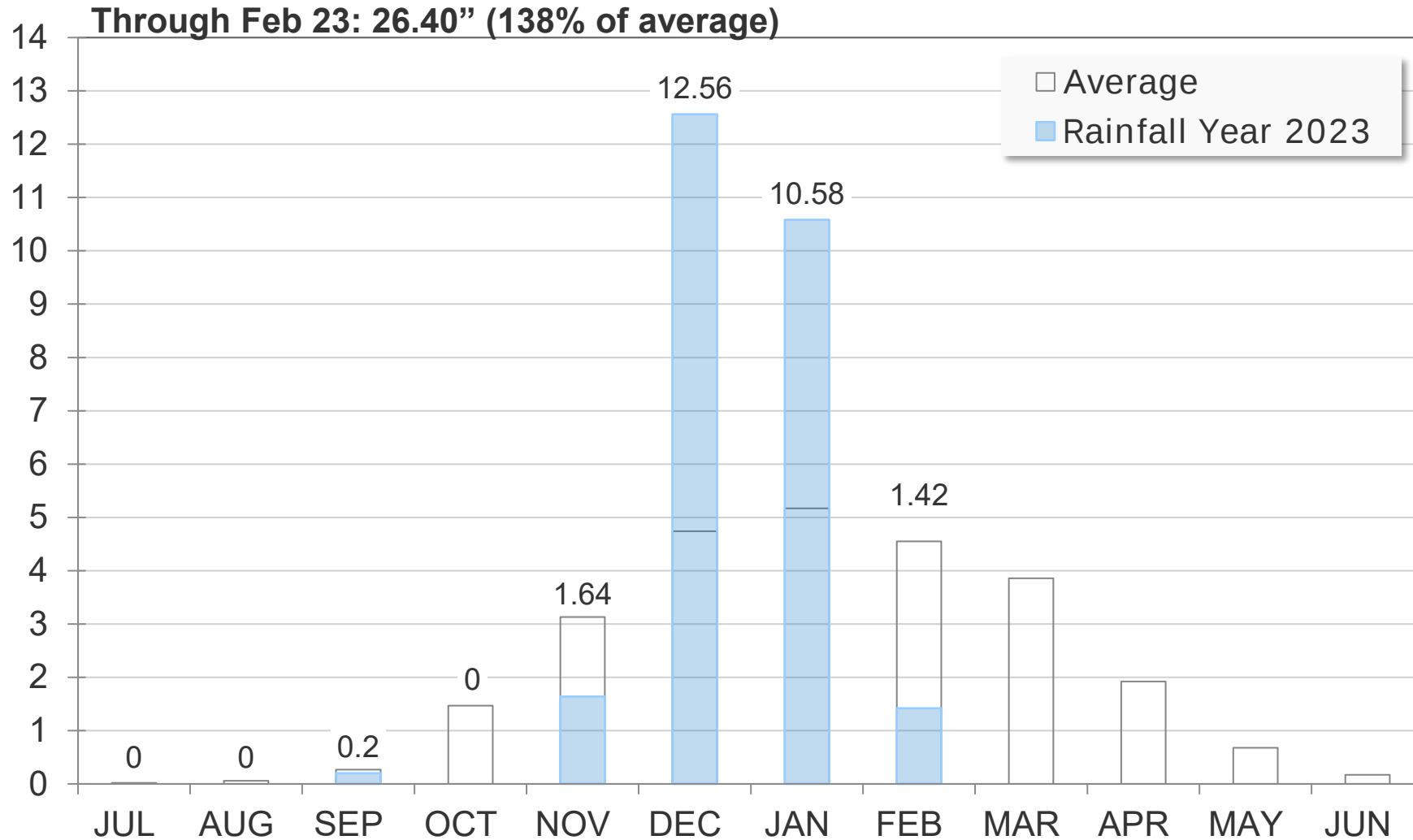
Current Water Supply

Mokelumne Precipitation



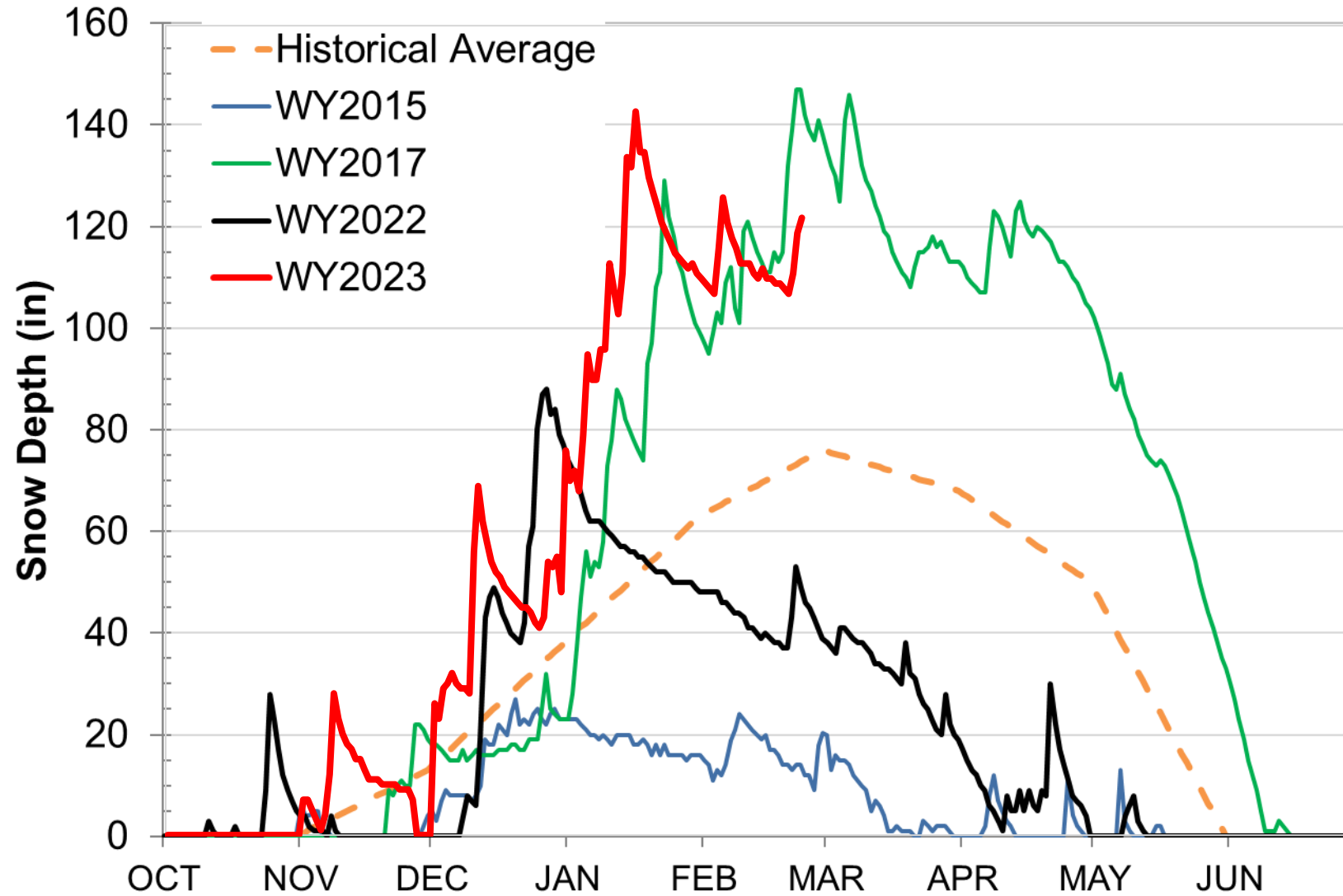
Current Water Supply

East Bay Precipitation



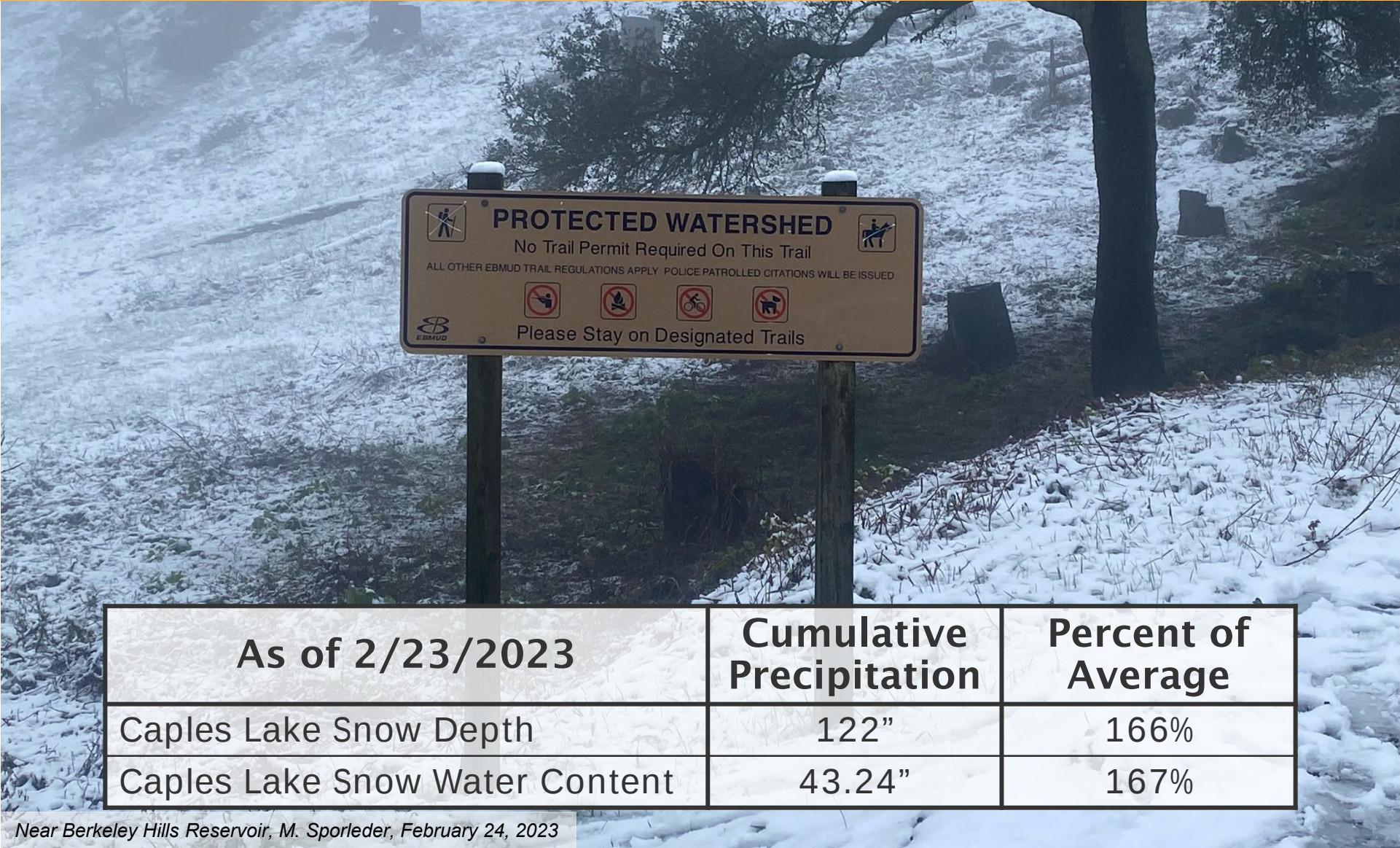
Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Snow



As of 2/23/2023	Cumulative Precipitation	Percent of Average
Caples Lake Snow Depth	122"	166%
Caples Lake Snow Water Content	43.24"	167%

Near Berkeley Hills Reservoir, M. Sporleder, February 24, 2023

Current Water Supply

Reservoir Storage

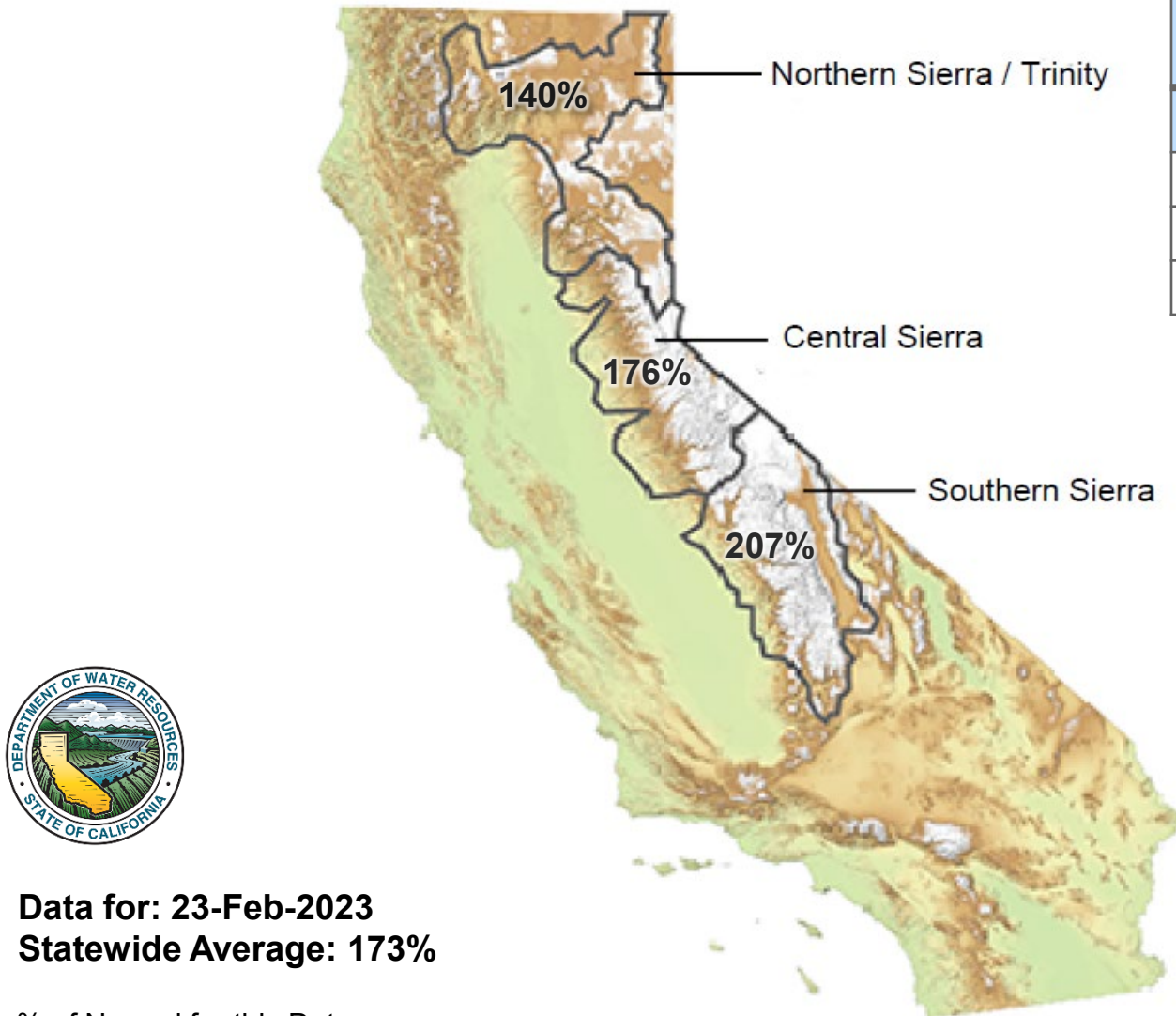


Briones and San Pablo Reservoir, J. Urness, February 2023

As of 2/23/2023	Current Storage	Percent of Average	Percent of Capacity
Pardee	187,000 AF	103%	92%
Camanche	289,810 AF	107%	69%
East Bay	142,940 AF	108%	95%
Total System	619,750 AF	106%	80%

California Water Supply

Change in Snow Water Equivalents



Snow Water Content Percent of Normal for this Date				
Date	North	Central	South	State
1/1/23	139	187	209	179
2/1/23	171	203	249	205
2/23/23	140	176	207	173

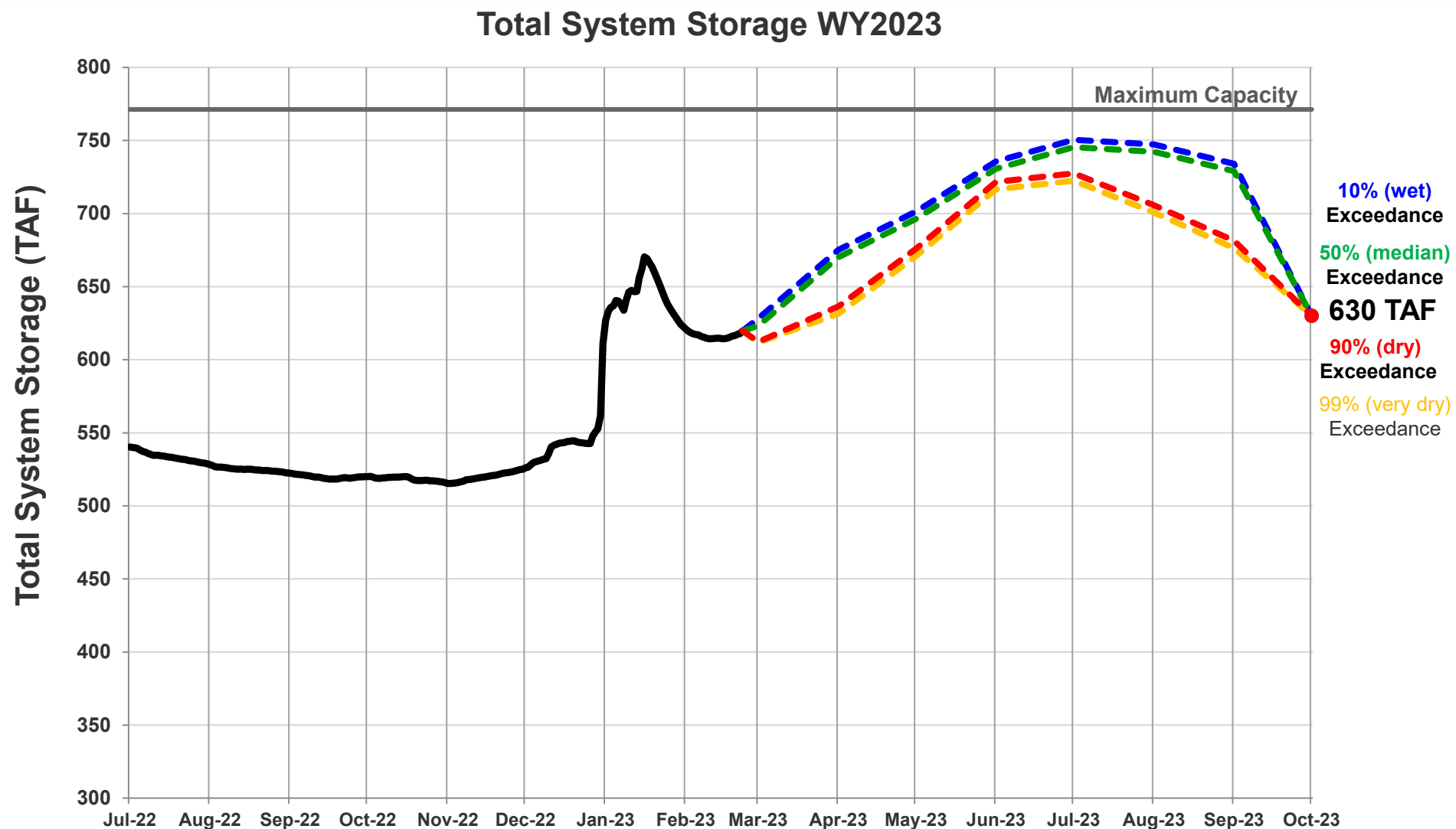


Data for: 23-Feb-2023
Statewide Average: 173%

% of Normal for this Date

Water Supply Projections

Projected 2023 EBMUD Total System Storage



Questions



USL Reservoir Spillway , D. Hansen, January 2023

WATER SUPPLY ENGINEERING DAILY REPORT

Thursday, February 23, 2023

RESERVOIR STORAGE AND ELEVATION

<u>WATER SURFACE</u>			<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>				
	Elevatio								
	n	+Gain		+Gain	Elevation	Storage	Release	Spill	
<u>MOKELUMNE</u>	<u>Feet</u>	<u>-Loss</u>	<u>Ac-Ft</u>	<u>-Loss</u>	<u>Feet</u>	<u>Ac-Ft</u>	<u>Cfs</u>	<u>Cfs</u>	
Pardee	559.91	-0.09	187000	-190	567.65	203795	1331	0	
Camanche	217.04	0.33	289810	2070	235.5	417120	802	0	
<u>EAST BAY</u>									
Briones	576.04	0.02	58890	10	576.14	58960	0	0	
Chabot	224.39	0.04	9400	10	227.25	10350	37	0	
Lafayette	435.92	0.01	2720	0	449.16	4250	0	0	
San Pablo	309.52	0.01	34520	0	313.68	37915	0	0	
Upper San Leandro	458.02	-0.04	<u>37410</u>	<u>-30</u>	459.98	<u>38905</u>	33	0	
<u>Total East Bay Res.</u>			<u>142940</u>	<u>-10</u>	<u>150380</u>				
TOTAL SYSTEM STORAGE			619750	1870	771295				
DISTRIBUTION SYSTEM					MOKELUMNE SYSTEM				
<u>DISTRIBUTION RESERVOIRS</u>					<u>AQUEDUCT DELIVERIES</u>				
		Storage	Operating			<u>MG</u>	<u>Flow Conditions</u>		
		<u>MG</u>	<u>Capacity</u>		Line 1	37.7	GRAVITY		
Today		323	720		Line 2	0	SHUTDOWN		
Total Previous Day		<u>315</u>			Line 3	<u>78.3</u>	<u>THROTTLE</u>		
Total Change		8			TOTAL	116	179 Cfs		
<u>WATER PRODUCTION</u>					<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>				
	Million	Capacity			Mok 1	0			
<u>AND DEMAND</u>	<u>Gallons</u>	<u>MGD</u>			Mok 2	<u>0</u>			
Lafayette WTP	0	25			0 MG				
Orinda WTP	93	190			<u>RIVER FLOWS AND RELEASES</u>				
San Pablo WTP	0	30			<u>Cfs</u>				
Sobrante WTP	16.5	50			Mokelumne River Natural Flow				
Upper San Leandro WTP	0	45			Pardee Reservoir Inflow				
Walnut Creek WTP	21.8	90			Pardee Release to Camanche Res.				
					Pardee Release to JVID				
					Camanche Release to Mokel. River				
<u>TOTAL SURFACE PRODUCTION</u>	131.3	430							
Miscellaneous(Estimated)	0.4								
<u>TOTAL WATER PRODUCTION</u>	<u>131.7</u>								
Change in Distribution System	8								
Wash Water from Distribution Sys.	0.9								
<u>SYSTEM DEMAND</u>	122.4								
East-of-Hills Demand	22.1								
West-of-Hills Demand	100.3								
RAW WATER TRANSMISSION					PRECIPITATION (Inches)				
	<u>INPUT</u>	<u>DRAFT</u>			<u>THIS YEAR</u>			<u>AVERAGE YEAR</u>	
Briones Res.	0	0							
San Pablo Res.	4	55			<u>STATION</u>				
U. San Leandro Res.	0	0			<u>Today</u>	<u>Month</u>	<u>to-Date</u>	<u>Season to-Date</u>	<u>Season Total</u>
					USL WTP	0.24	1.38	28.03	18.02
					Orinda WTP	0.23	1.93	33.42	22.62
					Lafayette Reservoir	0.15	1.47	24.77	20.17
					Walnut Creek WTP	0.24	1.75	29.52	16.66
					Camp Pardee	0.13	0.46	22.66	14.34
					Salt Springs P.H.	0.22	3.07	46.51	30.38
<u>REMARKS</u>					<u>CAPLES LAKE (7,830 FT) DATA</u>				
WID Canal Diversion = 0 cfs									
Mokelumne River below WID = 878 cfs									
PG&E data as of 4:00 pm previous date.					Today				
All other data as of midnight.					Average				
WTP capacities are sustainable rates.					Snow Depth				
					Water Content				

EAST BAY MUNICIPAL UTILITY DISTRICT