

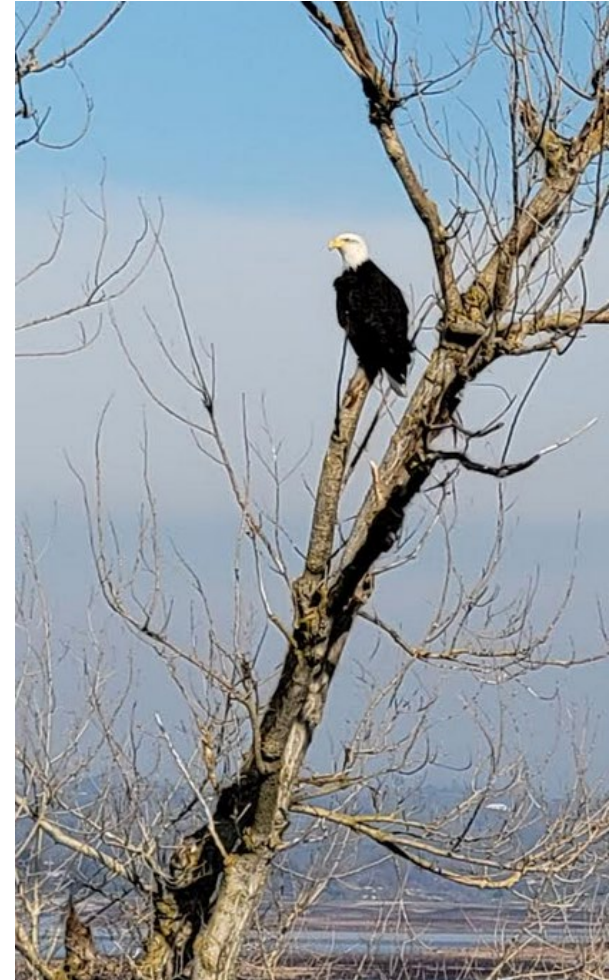
Water Supply Update

Board of Directors

March 8, 2022

Water Supply Briefing

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



Bald Eagle on Dike 1 of Camanche Reservoir. Photo: Jessica Woods

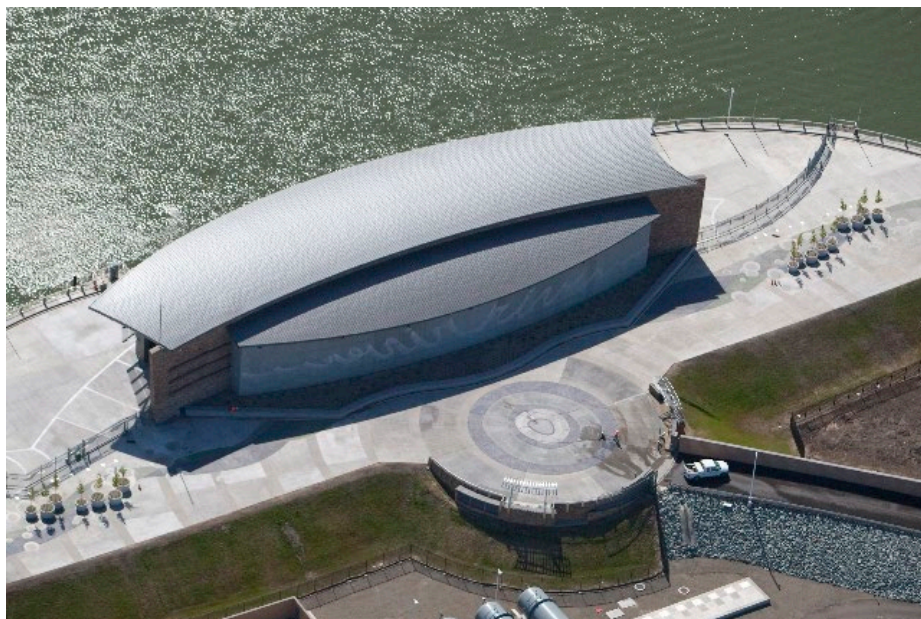
Supplemental Water Supply

Freeport Diversion Update



Diversion Totals (AF)

October 4 – December 28	20,990
February 8 – February 28	5,060
Total	26,050

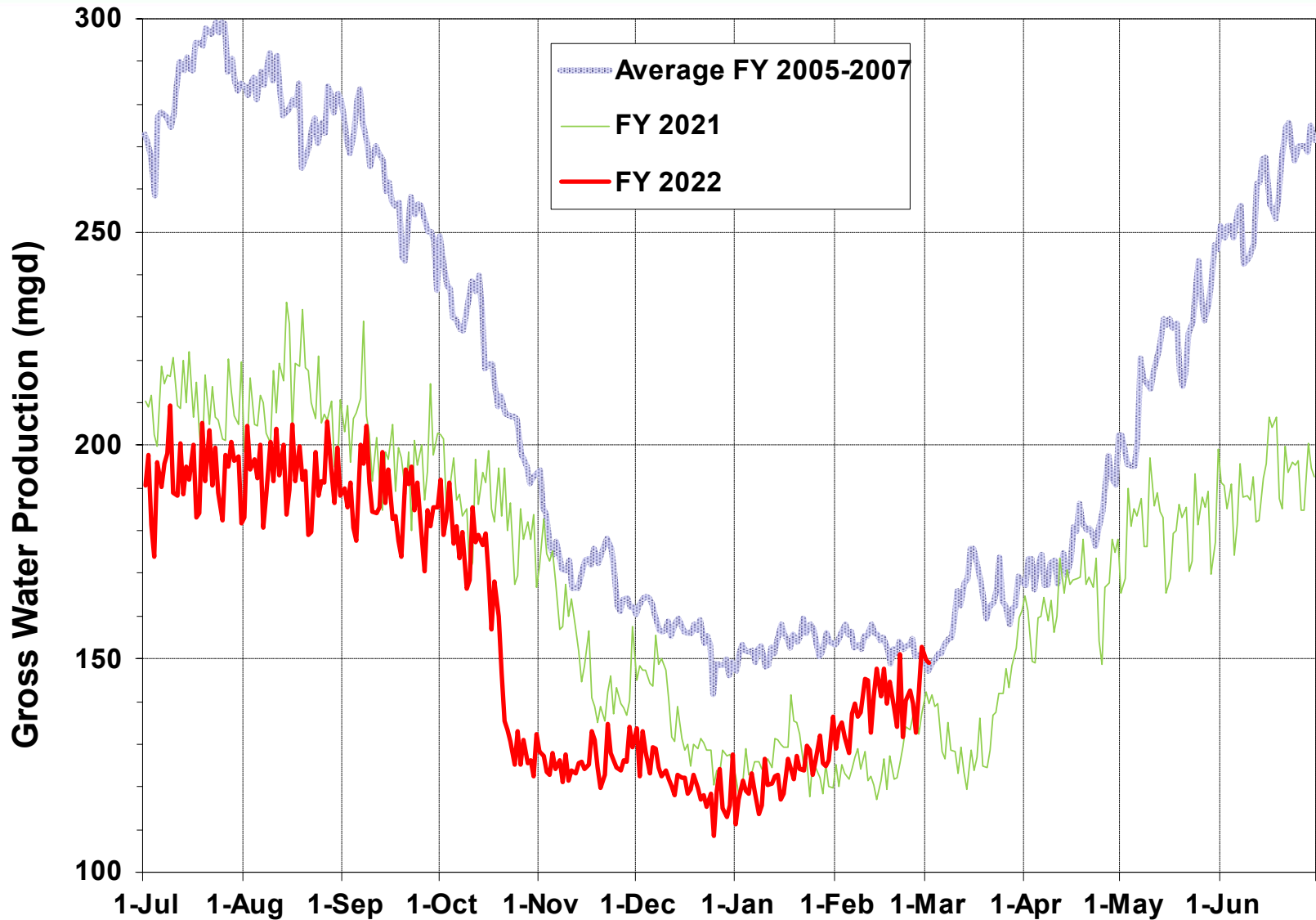


Freeport Intake Facility

- 33,250 AF allocated by US Bureau of Reclamation
- 2,000 AF transfer water purchased from CCWD
- Reclamation authorized District to divert remaining 14,300 AF of 2021 Contract Year supplies through March 2022
- Contract Year 2022 CVP supply pending
- Imports will be re-suspended if hydrology improves

Current Water Supply

Gross Water Production

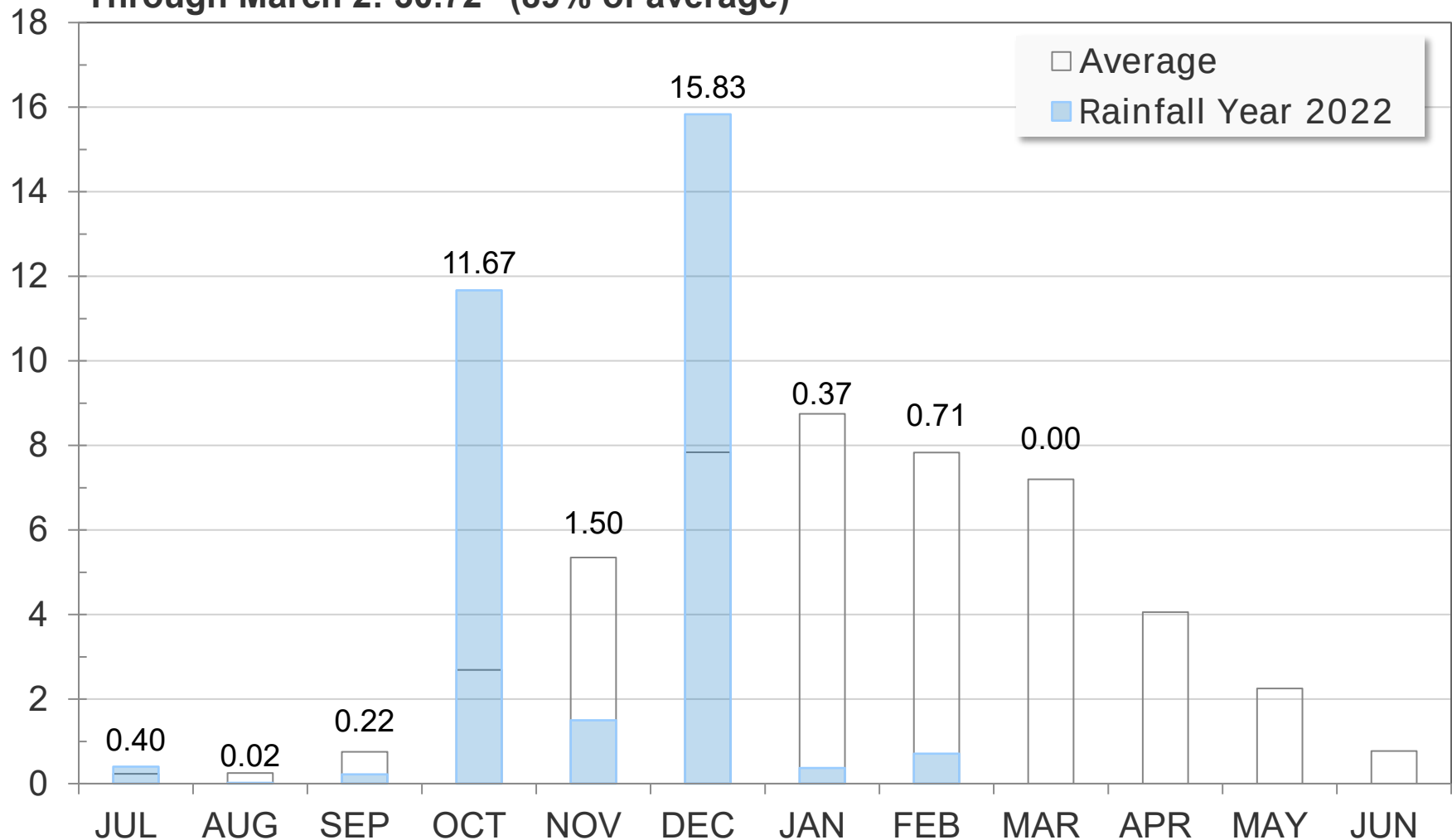


Current Water Supply

Mokelumne Precipitation

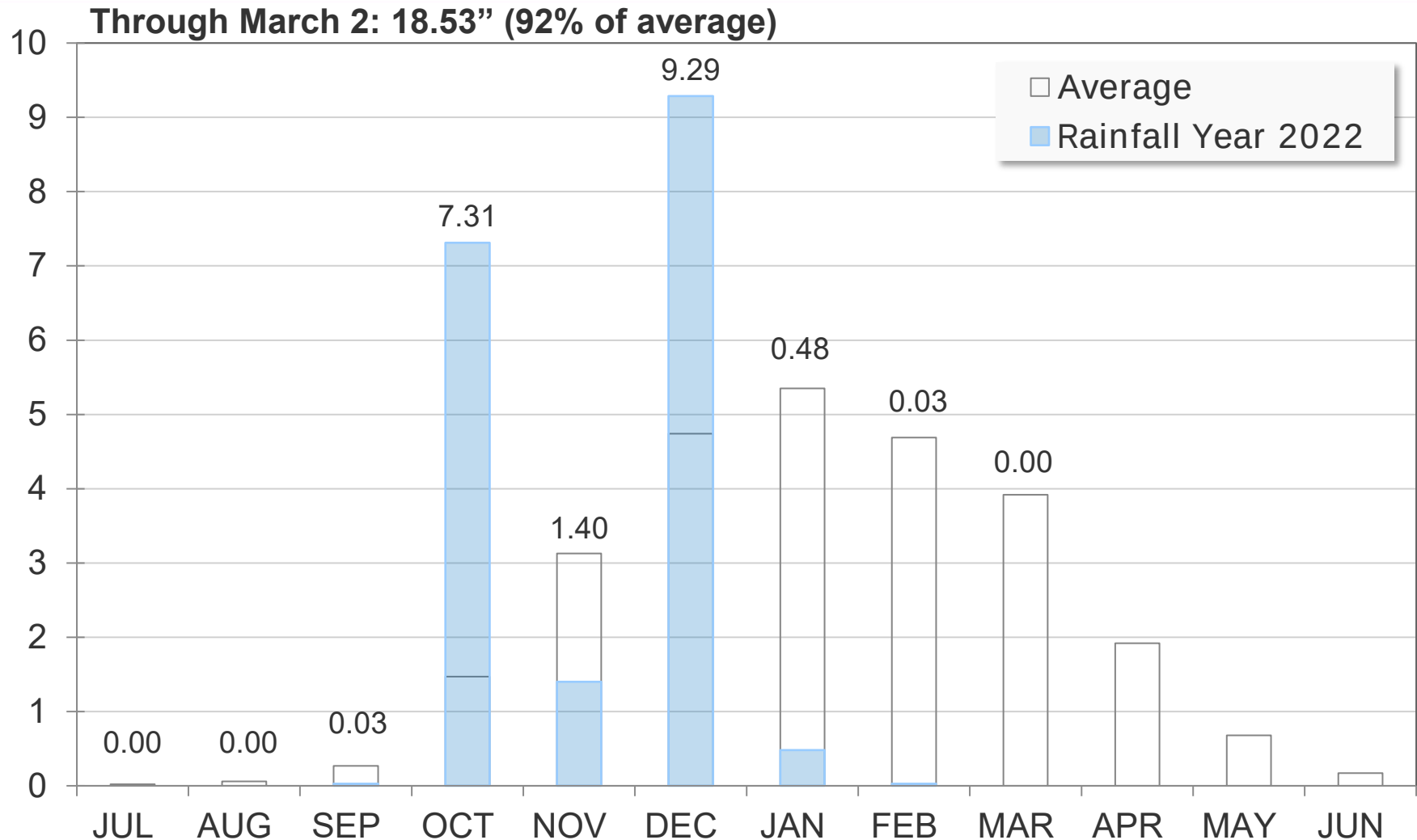


Through March 2: 30.72" (89% of average)



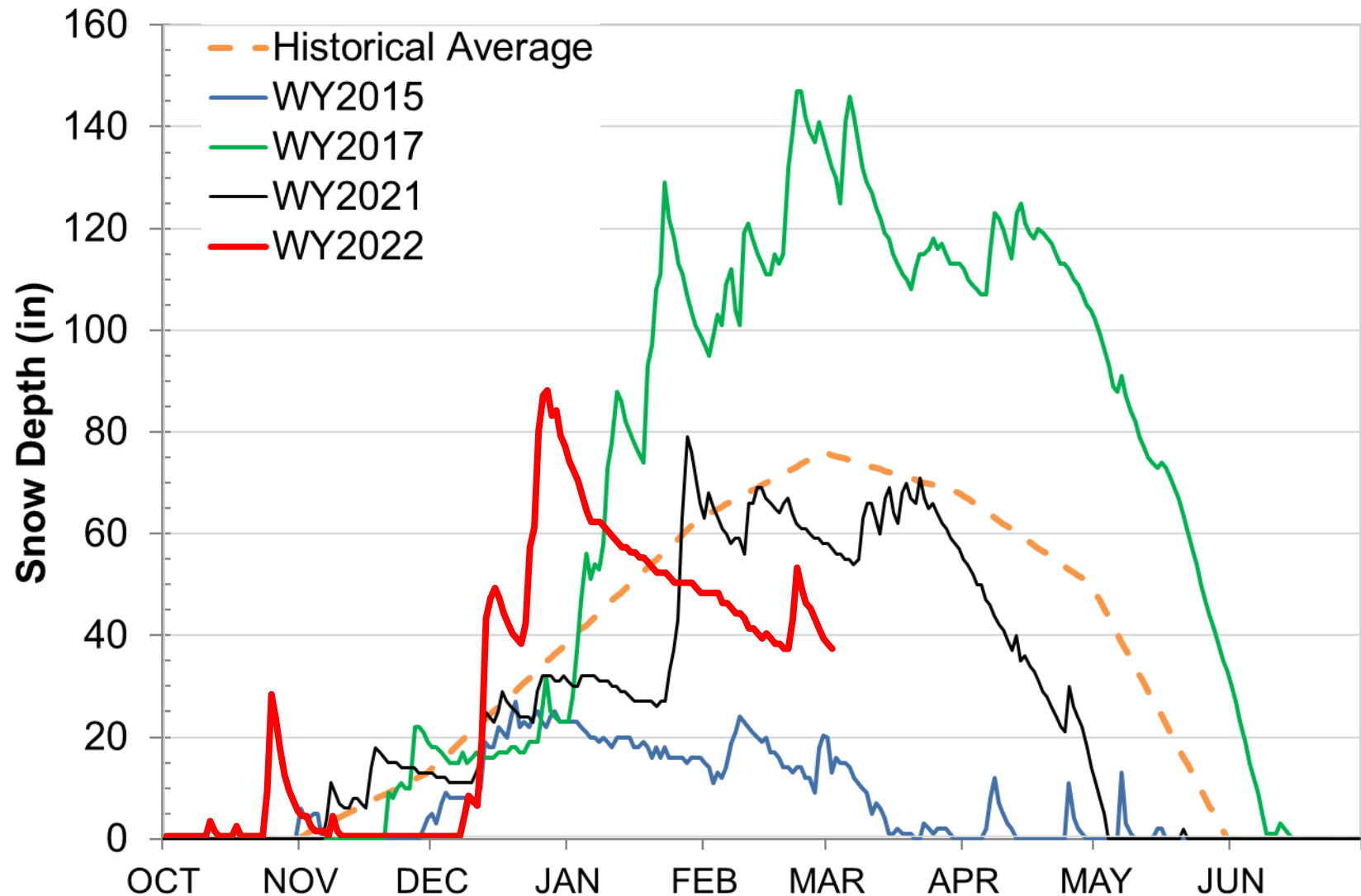
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Reservoir Storage



Pardee Recreation Area and Jackson Creek Spillway



Camanche Reservoir

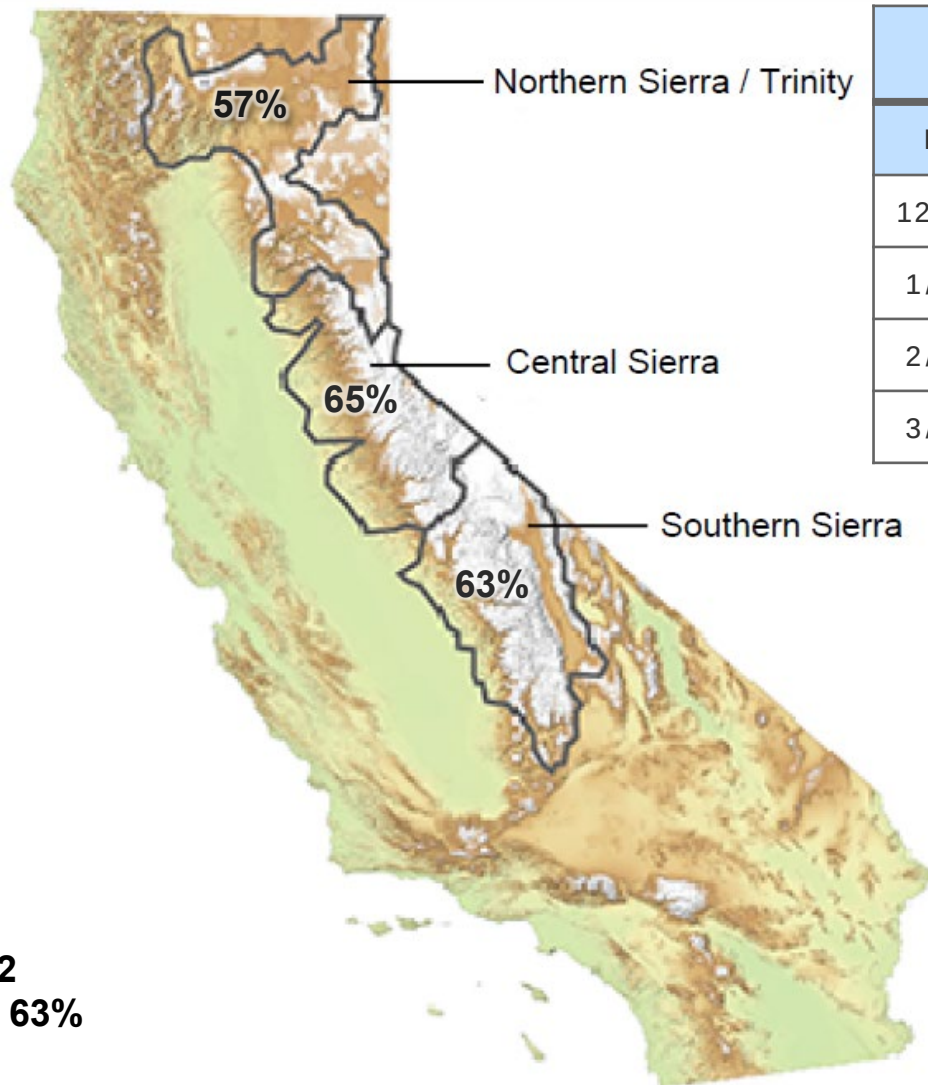


Briones Reservoir

As of March 2, 2022	Current Storage	Percent of Average	Percent of Capacity
Pardee	158,400 AF	86%	78%
Camanche	243,200 AF	89%	58%
East Bay	130,950 AF	98%	87%
Total System	532,550 AF	90%	69%

California Water Supply

Change in Snow Water Equivalents



Snow Water Content Percent of Normal for this Date				
Date	North	Central	South	State
12/1/21	12	17	35	18
1/1/22	141	155	168	154
2/1/22	89	95	96	93
3/3/22	57	65	63	63



Data for: 3-Mar-2022
Statewide Average: 63%

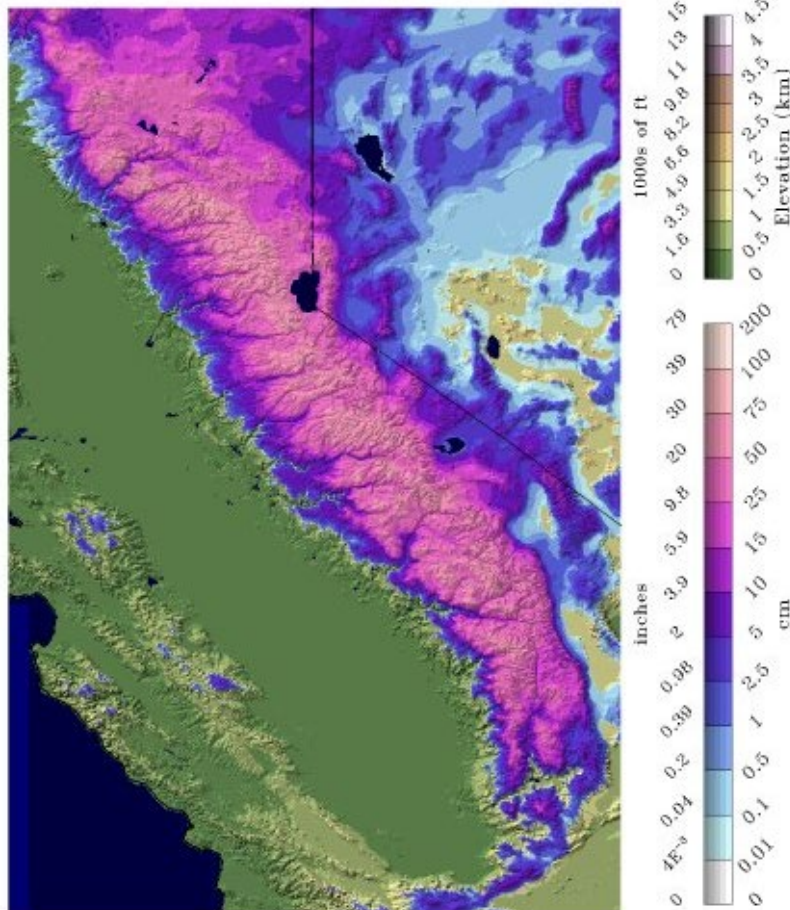
% of Normal for this Date

California Water Supply

NOAA Seasonal Snow Water Content



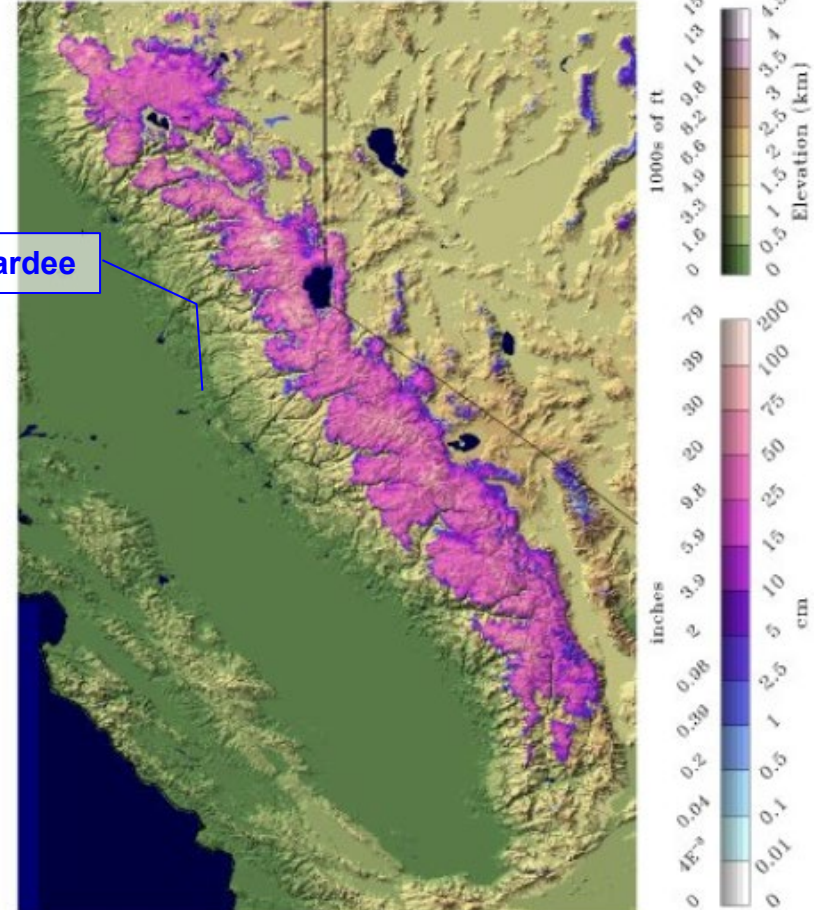
Snow Water Equivalent
2022-01-01 06 UTC



Snow Water Equivalent
2022-03-03 06 UTC



Pardee



Water Supply Projections

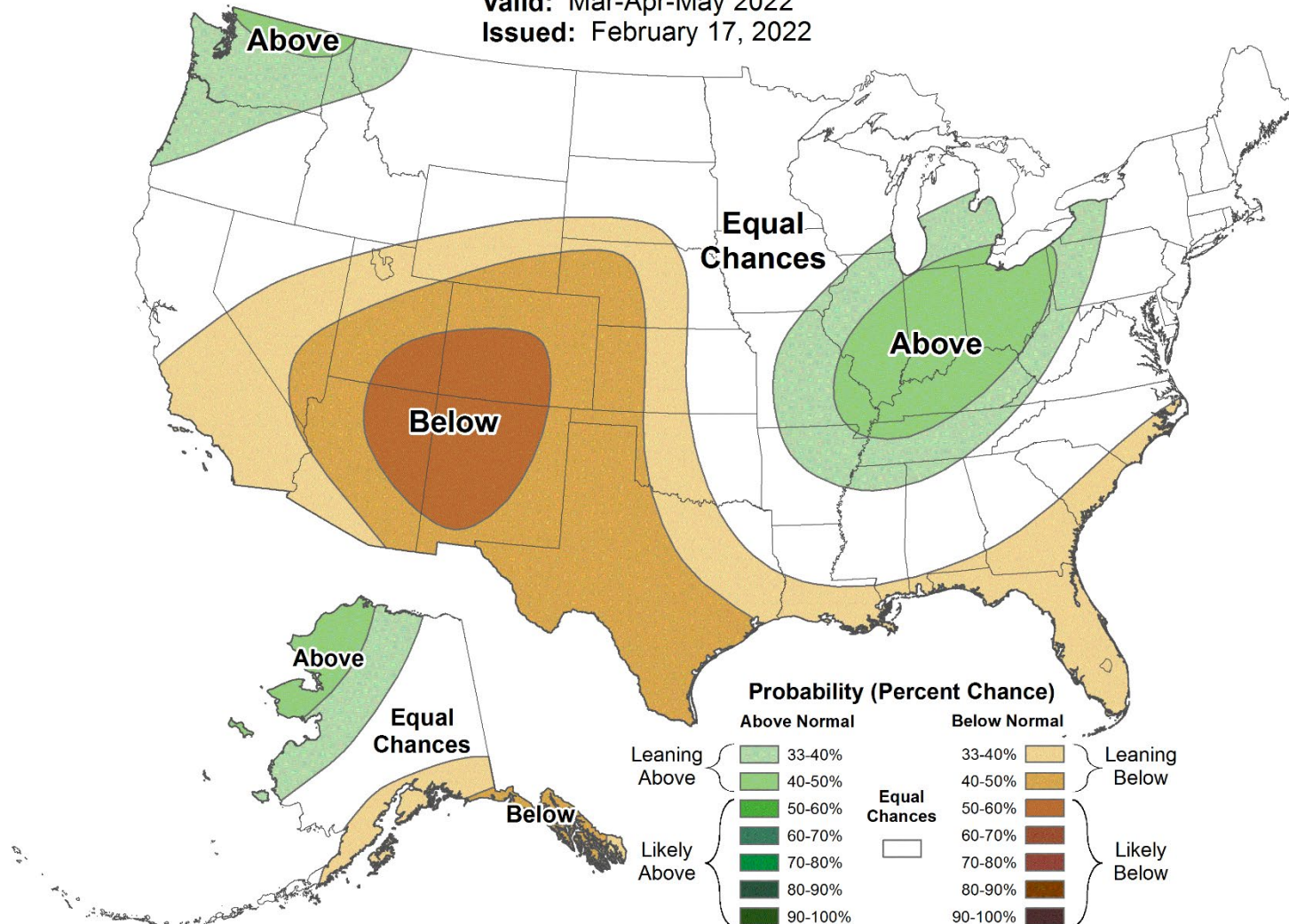
Precipitation Outlook for March to May '22



Seasonal Precipitation Outlook

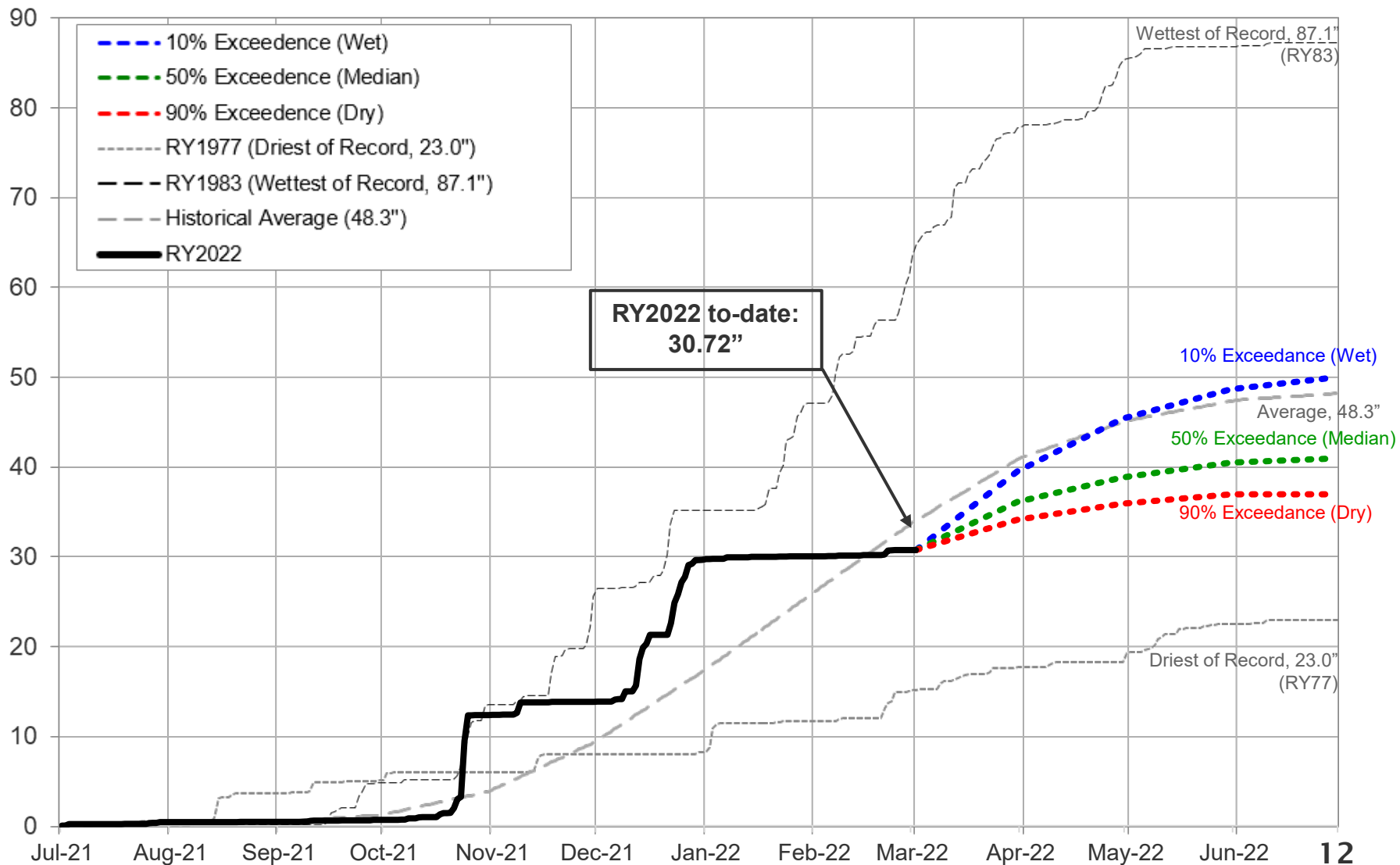


Valid: Mar-Apr-May 2022
Issued: February 17, 2022



Water Supply Projections

Mokelumne Precipitation Rainfall Year 2022

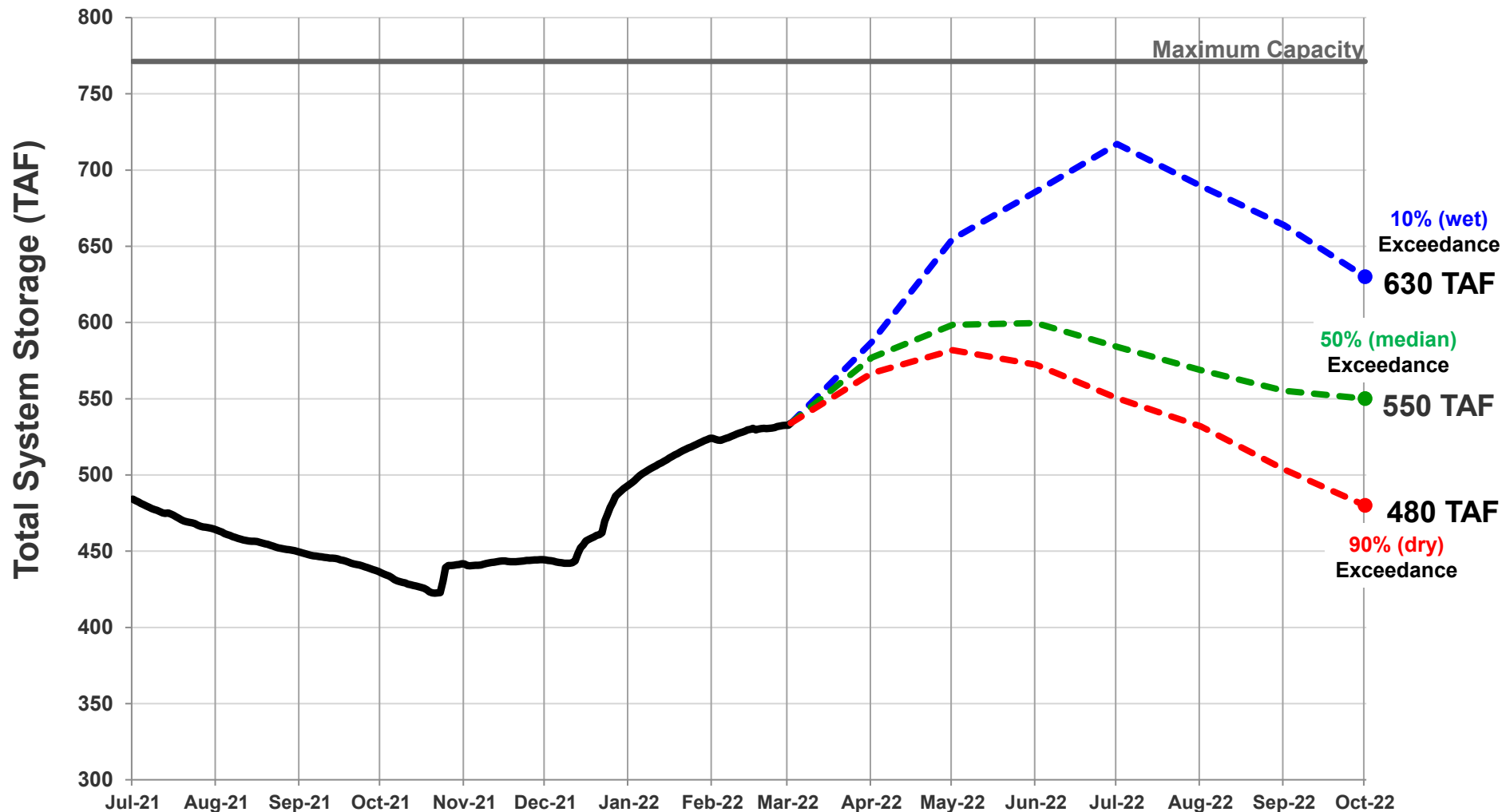


Water Supply Projections

Projected 2022 EBMUD Total System Storage



Total System Storage WY2022



Questions ?



Forest Creek Streamflow Gauging Station, Photo: Jessica Woods

WATER SUPPLY ENGINEERING DAILY REPORT

Wednesday, March 2, 2022

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>		Release	Spill
	Elevation	+Gain		+Gain	Elevation	Storage		
	Feet	-Loss	Ac-Ft	-Loss	Feet	Ac-Ft	Cfs	Cfs
<u>MOKELUMNE</u>								
Pardee	545.5	-0.12	158400	-220	567.65	203795	279	0
Camanche	209.3	0.04	243200	230	235.5	417120	195	0
<u>EAST BAY</u>								
Briones	563.18	-0.03	50170	-20	576.14	58960	0	0
Chabot	222.19	0	8700	0	227.25	10350	0	0
Lafayette	436.38	0	2770	0	449.16	4250	0	0
San Pablo	311.25	0.1	35910	80	313.68	37915	0	0
Upper San Leandro	452.46	-0.13	<u>33400</u>	<u>-90</u>	459.98	<u>38905</u>	0	0
<u>Total East Bay Res.</u>			<u>130950</u>	<u>-30</u>		<u>150380</u>		
TOTAL SYSTEM STORAGE			532550	-20		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>			
Today	333	720	Line 1	28.5	THROTTLE
Total Previous Day	<u>342</u>		Line 2	35.6	THROTTLE
Total Change	-9		Line 3	<u>64.9</u>	<u>THROTTLE</u>
			TOTAL	129	200 Cfs
			<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>		
			Mok 1	0	
			Mok 2	<u>0</u>	
				0 MG	
			<u>RIVER FLOWS AND RELEASES</u>		
					<u>Cfs</u>
			Mokelumne River Natural Flow		790
			Pardee Reservoir Inflow		373
			Pardee Release to Camanche Res.		279
			Pardee Release to JVID		0
			Camanche Release to Mokel. River		195
			<u>PG&E CO. STORAGE (Acre-feet)</u>		
					Maximum
				<u>Storage</u>	<u>Change</u>
					<u>Capacity</u>
			Old Reservoirs	13620	216
					26560
			Salt Springs Res.	40436	347
					141857
			Lower Bear Res.	<u>18722</u>	<u>265</u>
					<u>52025</u>
			Total	72778	828
					220442

RAW WATER TRANSMISSION			PRECIPITATION (Inches)				
	<u>INPUT</u>	<u>DRAFT</u>	<u>THIS YEAR</u>		<u>AVERAGE YEAR</u>		
			<u>STATION</u>	<u>Today</u>	<u>This Month</u>	<u>Season to-Date</u>	<u>Season to-Date</u>
Briones Res.	0	23					<u>Season Total</u>
San Pablo Res.	160	82	USL WTP	0	0	20.53	19.02
U. San Leandro Res.	0	96	Orinda WTP	0	0	26.89	23.96
			Lafayette Reservoir	0	0	16.52	21.35
			Walnut Creek WTP	0	0	17.47	17.66
			Camp Pardee	0	0	14.97	15.2
			Salt Springs P.H.	0	0.01	27.36	32.1
							45.51
TOTAL	160	201	<u>CAPLES LAKE (7,830 FT) DATA</u>				
<u>REMARKS</u>				<u>Today</u>	<u>Average</u>		
WID Canal Diversion = 0 cfs			Snow Depth	37 Inches	75 Inches		
Mokelumne River below WID = 158 cfs			Water Content	17.9 Inches	27.1 Inches		
PG&E data as of 4:00 pm previous date.							
All other data as of midnight.							
WTP capacities are sustainable rates.							

EAST BAY MUNICIPAL UTILITY DISTRICT