

Water Supply Update

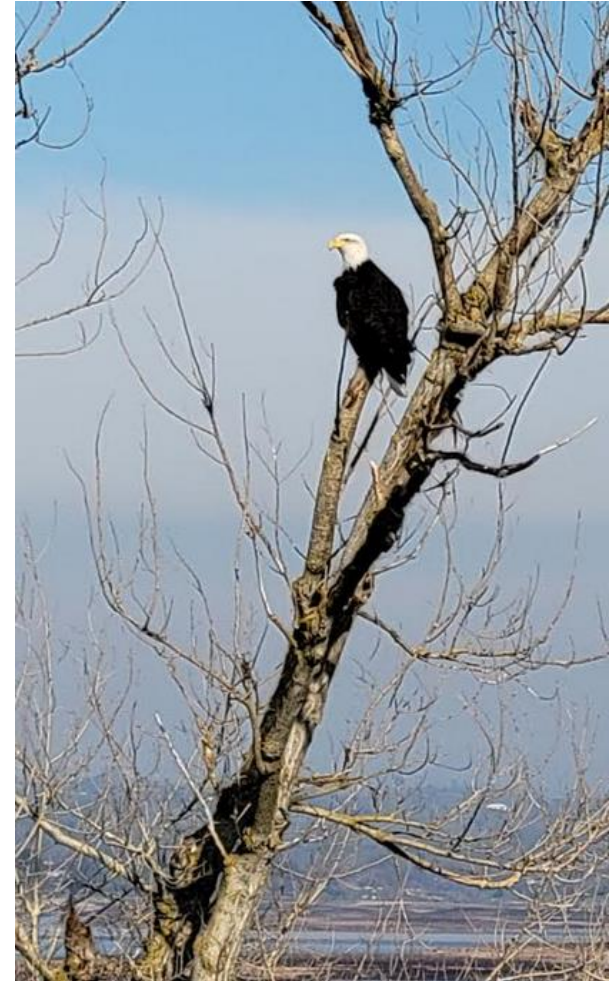
Board of Directors

February 22, 2022

Water Supply Briefing



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



Bald Eagle on Dike 1 of Camanche Reservoir

Supplemental Water Supply



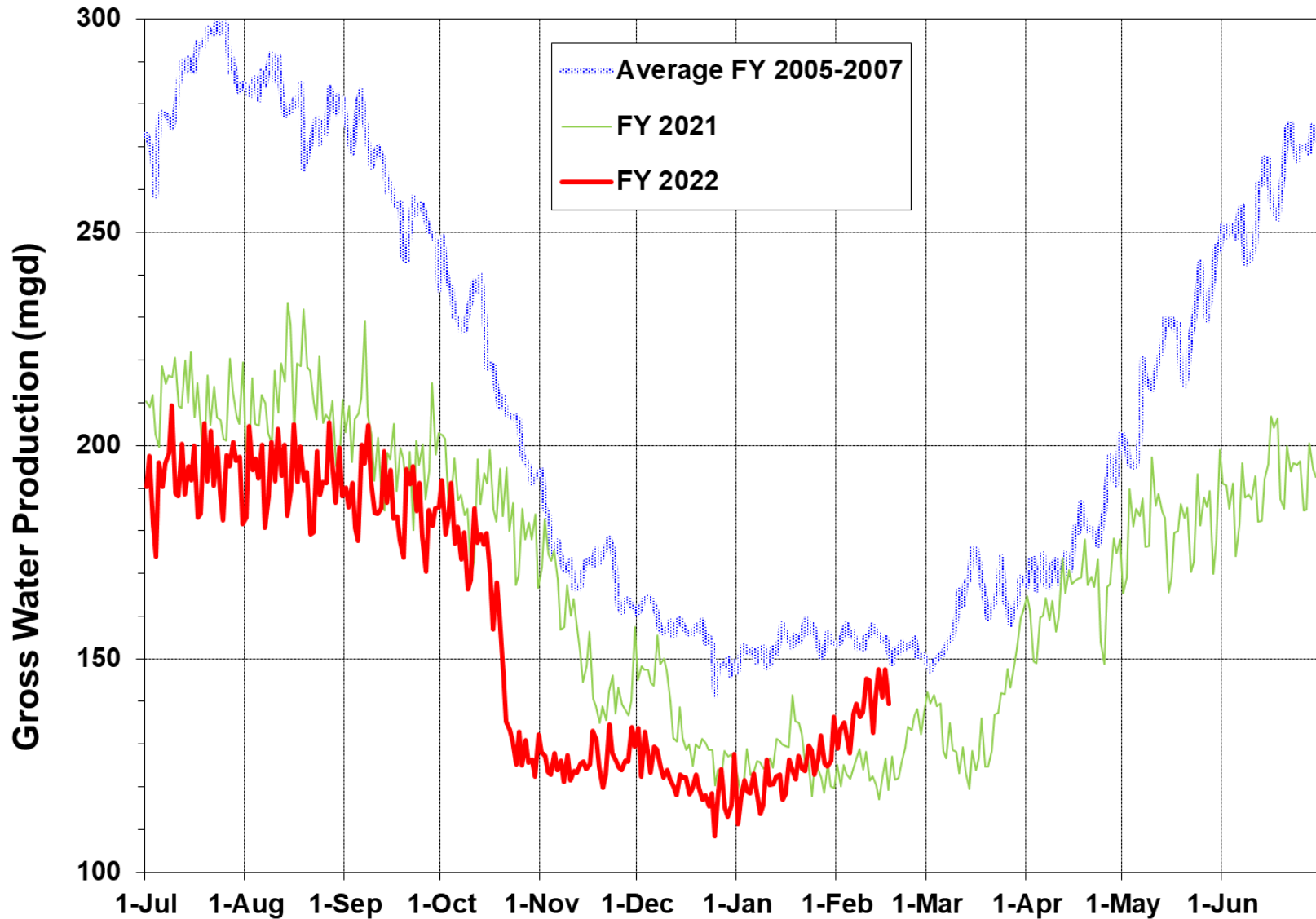
- Record dry January and February to date
- Runoff forecasts adjusted to account for lower soil moisture
- Freeport operations restarted February 8, 2022
- Diversion totals through February 17:
 - 23,300 AF diverted of 35,250 AF allocated by US Bureau of Reclamation
 - 2,310 AF diverted since restart
- Contract Year 2022 CVP supply pending
- Imports will be re-suspended if hydrology improves



Freeport Intake Facility

Current Water Supply

Gross Water Production

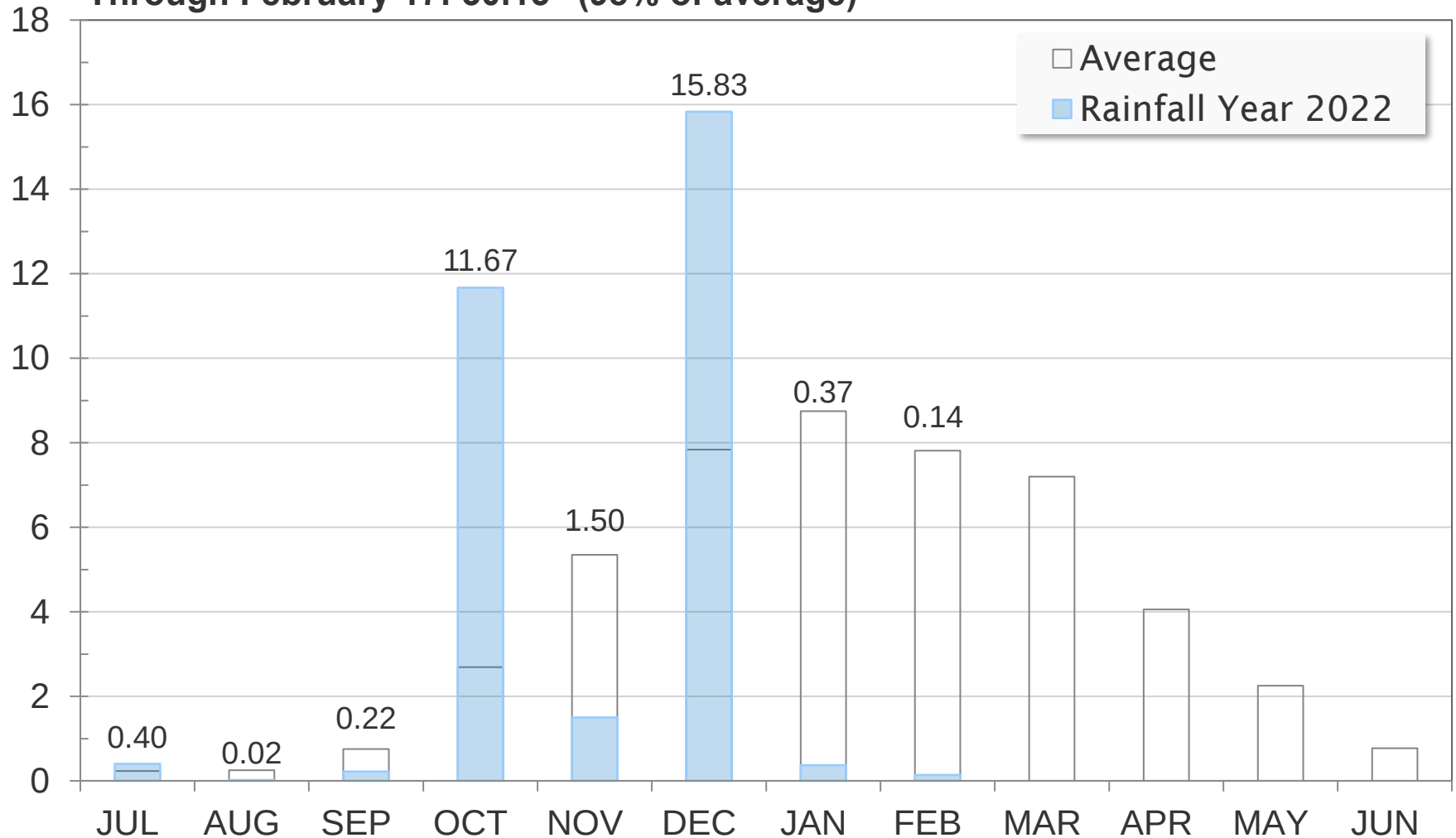


Current Water Supply

Mokelumne Precipitation

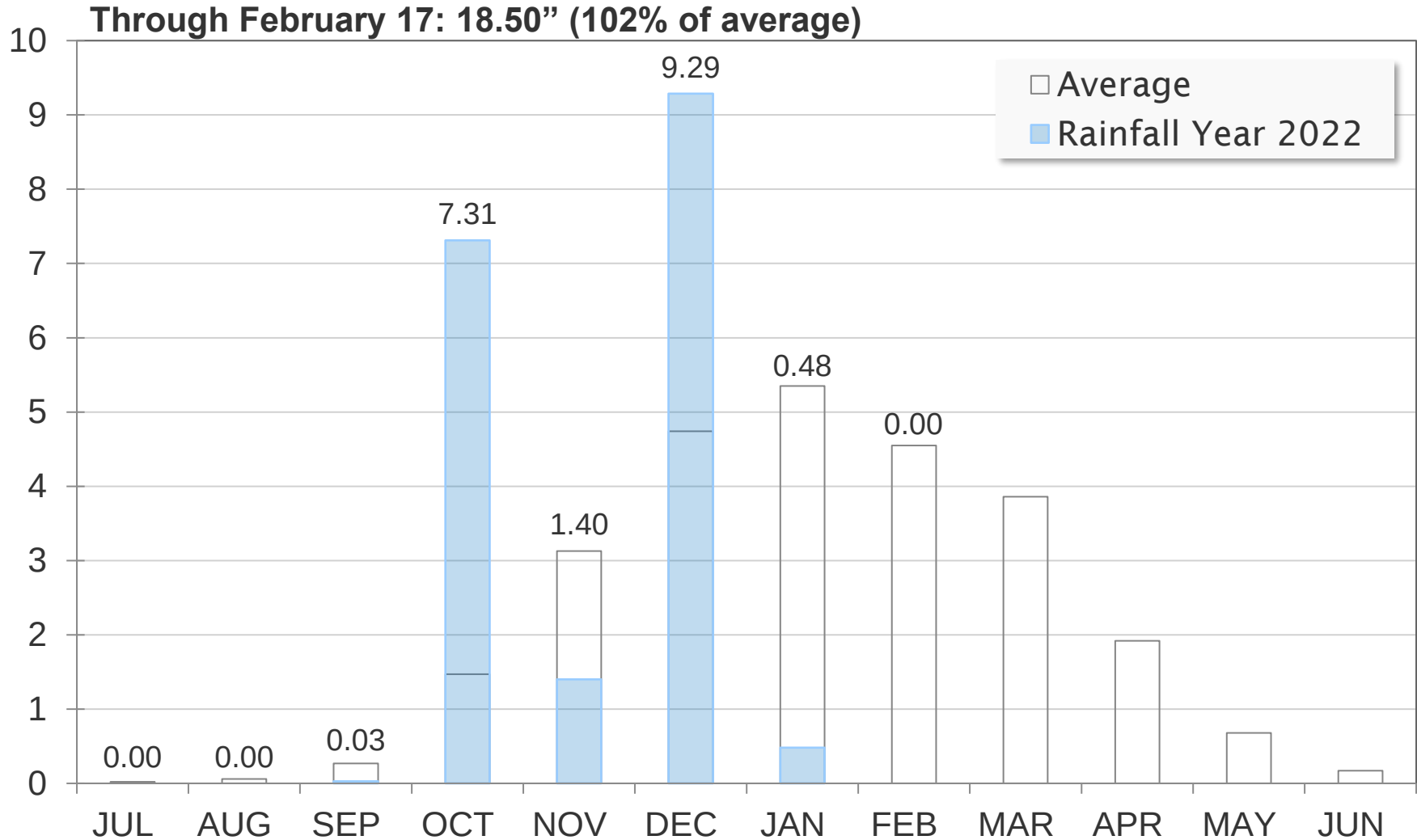


Through February 17: 30.15" (98% of average)



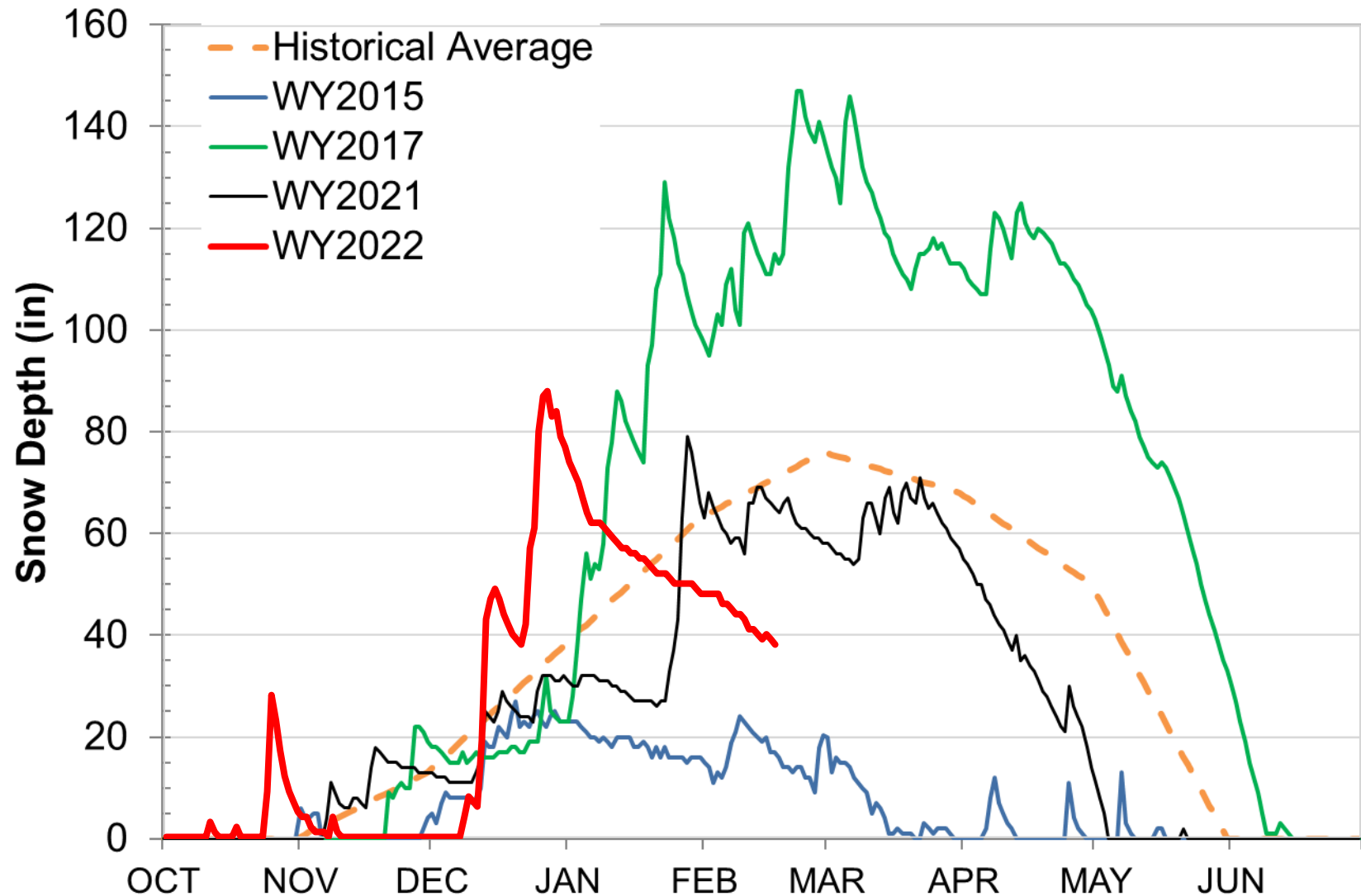
Current Water Supply

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 Feb. 17, 2022	Current Storage	Percent of Average	Percent of Capacity
Pardee	167,510 AF	92%	82%
Camanche	231,780 AF	87%	56%
East Bay	130,200 AF	100%	87%
Total System	529,490 AF	91%	69%

California Water Supply

Automated Sensor Snow Water Equivalents



% Normal for this Date

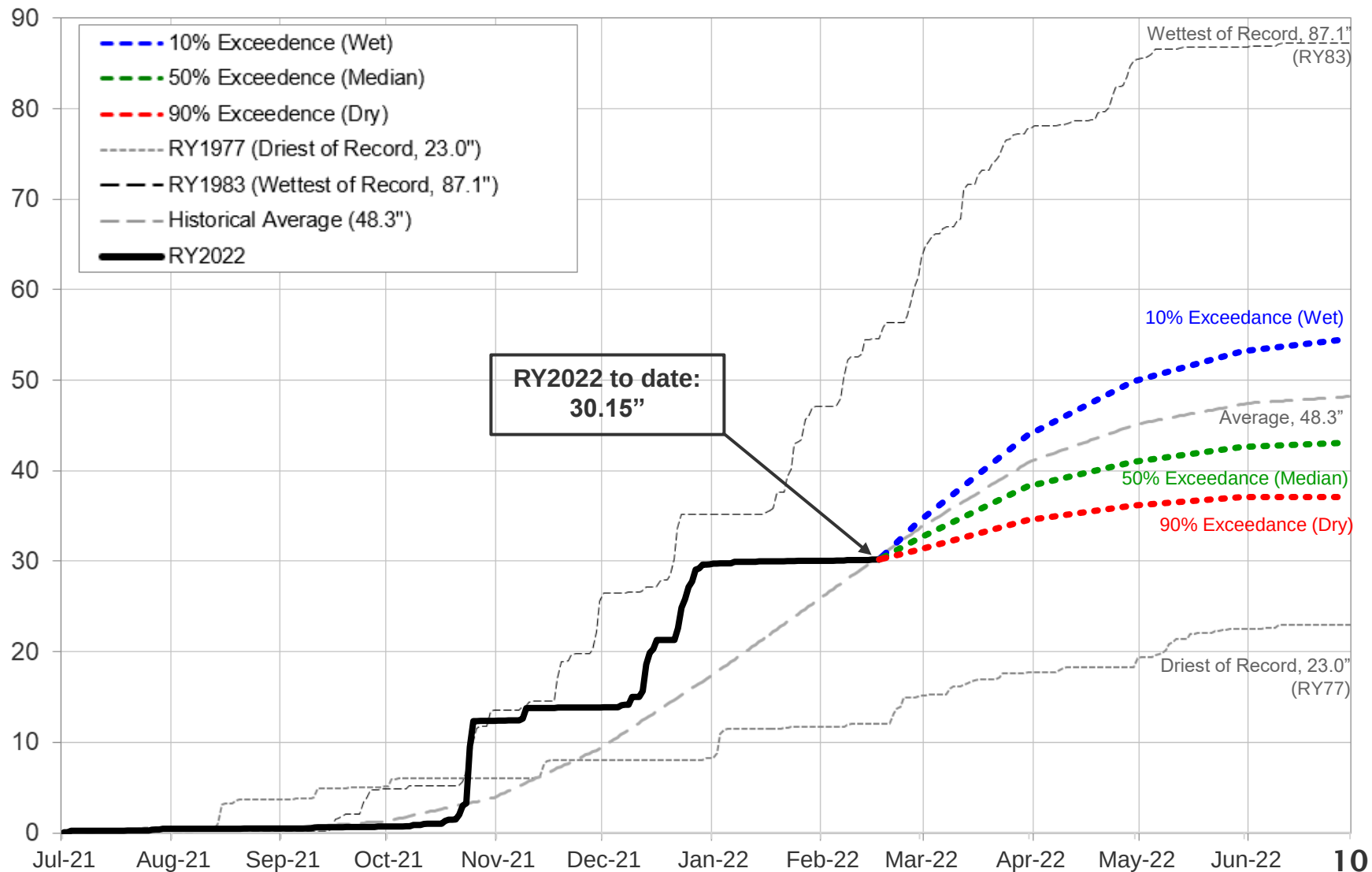


Data for: 17-Feb-2021

Statewide Average: 71%

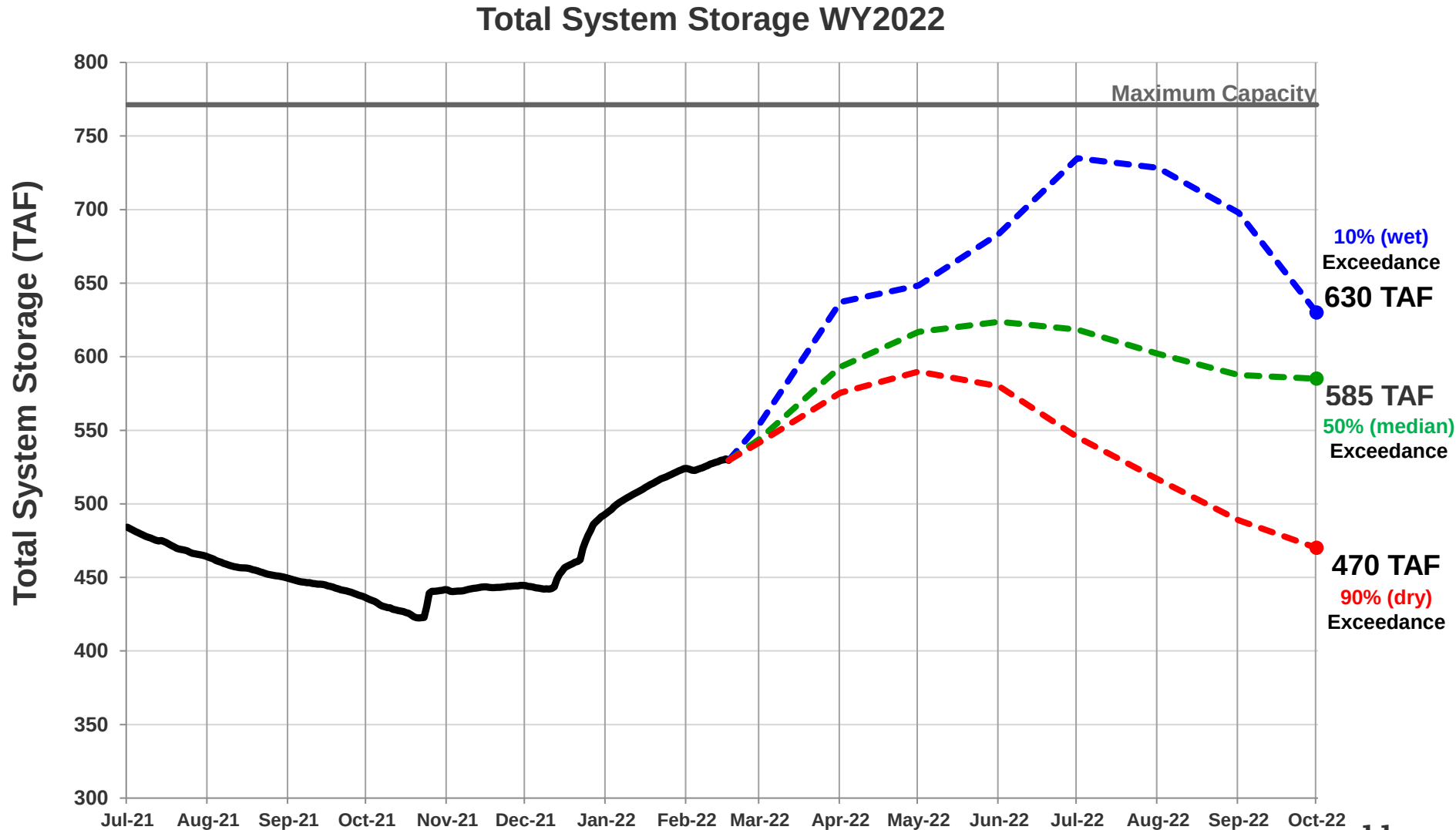
Water Supply Projections

Mokelumne Precipitation Rainfall Year 2022



Water Supply Projections

Projected 2022 EBMUD Total System Storage



Questions ?



Camanche Reservoir

WATER SUPPLY ENGINEERING DAILY REPORT

Thursday, February 17, 2022

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>			
	Elevation							
	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	550.31	-0.35	167510	-680	567.65	203795	912	0
Camanche	207.28	-0.09	231780	-510	235.5	417120	225	0
<u>EAST BAY</u>								
Briones	563.29	-0.01	50240	0	576.14	58960	0	0
Chabot	222.26	0	8720	0	227.25	10350	0	0
Lafayette	436.45	0	2770	0	449.16	4250	0	0
San Pablo	310.63	0.02	35410	10	313.68	37915	0	0
Upper San Leandro	451.97	0.14	<u>33060</u>	<u>100</u>	459.98	<u>38905</u>	0	0
<u>Total East Bay Res.</u>			<u>130200</u>	<u>110</u>		<u>150380</u>		
TOTAL SYSTEM STORAGE			529490	-1080		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	363	720	Line 1	0	SHUTDOWN
Total Previous Day	<u>361</u>		Line 2	0	SHUTDOWN
Total Change	2		Line 3	<u>83</u>	<u>THROTTLE</u>
			TOTAL	83	128 Cfs
<u>WATER PRODUCTION</u>	Million	Capacity	<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>		
<u>AND DEMAND</u>	<u>Gallons</u>	<u>MGD</u>	Mok 1	39.3	
Lafayette WTP	0	25	Mok 2	<u>48.8</u>	
Orinda WTP	53	190		88.1 MG	
San Pablo WTP	0	30	<u>RIVER FLOWS AND RELEASES</u>		<u>Cfs</u>
Sobrante WTP	14.9	50	Mokelumne River Natural Flow		682
Upper San Leandro WTP	40	45	Pardee Reservoir Inflow		702
Walnut Creek WTP	35.2	90	Pardee Release to Camanche Res.		912
			Pardee Release to JVID		0
<u>TOTAL SURFACE PRODUCTION</u>	143.1	430	Camanche Release to Mokel. River		225
Miscellaneous(Estimated)	0.4				
<u>TOTAL WATER PRODUCTION</u>	<u>143.5</u>		<u>PG&E CO. STORAGE (Acre-feet)</u>		
Change in Distribution System	2				
Wash Water from Distribution Sys.	1.6				
<u>SYSTEM DEMAND</u>	139.6				
East-of-Hills Demand	33				
West-of-Hills Demand	106.6				

RAW WATER TRANSMISSION			Ac-ft	PRECIPITATION (Inches)					
	INPUT	DRAFT		THIS YEAR			AVERAGE YEAR		
Briones Res.	0	16							
San Pablo Res.	72	49	STATION		This	Season	Season	Season	
U. San Leandro Res.	199	128		Today	Month	to-Date	to-Date	Total	
			USL WTP	0	0	20.53	17.1	25.33	
			Orinda WTP	0	0	26.84	21.39	32.06	
			Lafayette Reservoir	0	0	16.47	19.07	28.18	
			Walnut Creek WTP	0	0	17.45	15.73	23.02	
			Camp Pardee	0	0	14.97	13.58	21.56	
			Salt Springs P.H.	0	0.42	26.74	28.83	45.51	
			CAPLES LAKE (7,830 FT) DATA						
				Today	Average				
PG&E data as of 4:00 pm previous date.			Snow Depth	38 Inches		71 Inches			
All other data as of midnight.			Water Content	16.5 Inches		24.4 Inches			
WTP capacities are sustainable rates.									

EAST BAY MUNICIPAL UTILITY DISTRICT