Water Supply Update

Board of Directors

January 28, 2025

Roberto C. Cortez, Manager of Water Operations

Dave Hansen at Big Trees Weather Station, J. Toone, March 2023

Briefing Topics

- Water Year 2024 Review
- Current Water Supply
- Water Supply Projection

Water Year 2024 In Review

Water Year 2024 Review

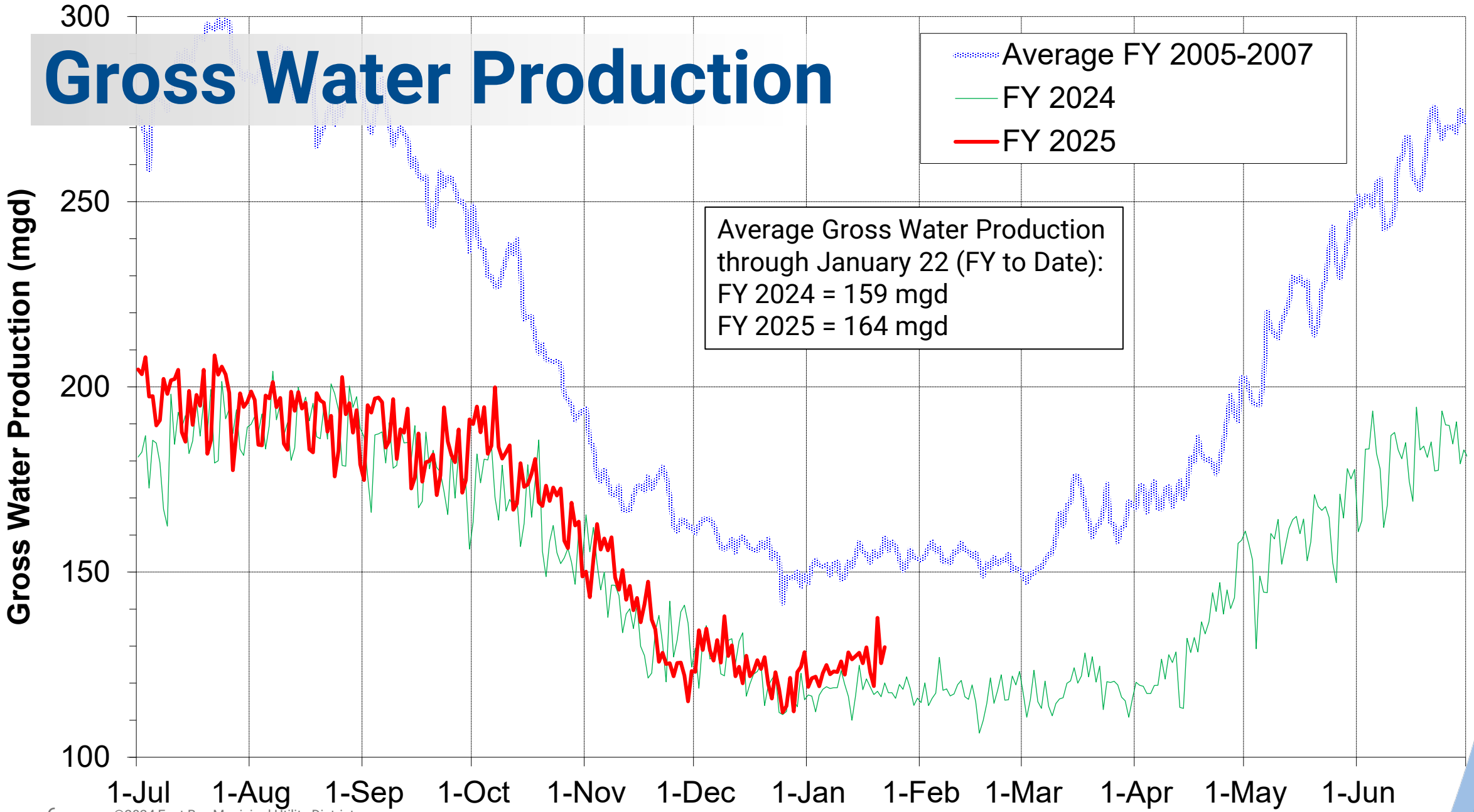
- Upper Mokelumne Precipitation: 42.0” (47.9” avg)
- Snowpack Water Content (Max): 34.0” (33.0” avg)
- East Bay Precipitation: 19.9” (26.0” avg)
- Total Unimpaired Runoff: 655 TAF (745 TAF avg)
- End of Water Year Storage: 630 TAF (Full)

TAF: Thousand Acre-Feet

Pardee Reservoir, J. Toone 2022

Current Water Supply

Gross Water Production



Reservoir Storage

As of 1/22/2025	Current Storage	Percent of Average	Percent of Capacity
Pardee	174,260 AF	97%	86%
Camanche	305,700 AF	118%	73%
East Bay	123,020 AF	99%	82%
Total System	602,980 AF	107%	78%

AF: Acre-Feet

Briones and USL Reservoirs, J. Urness, February 2023

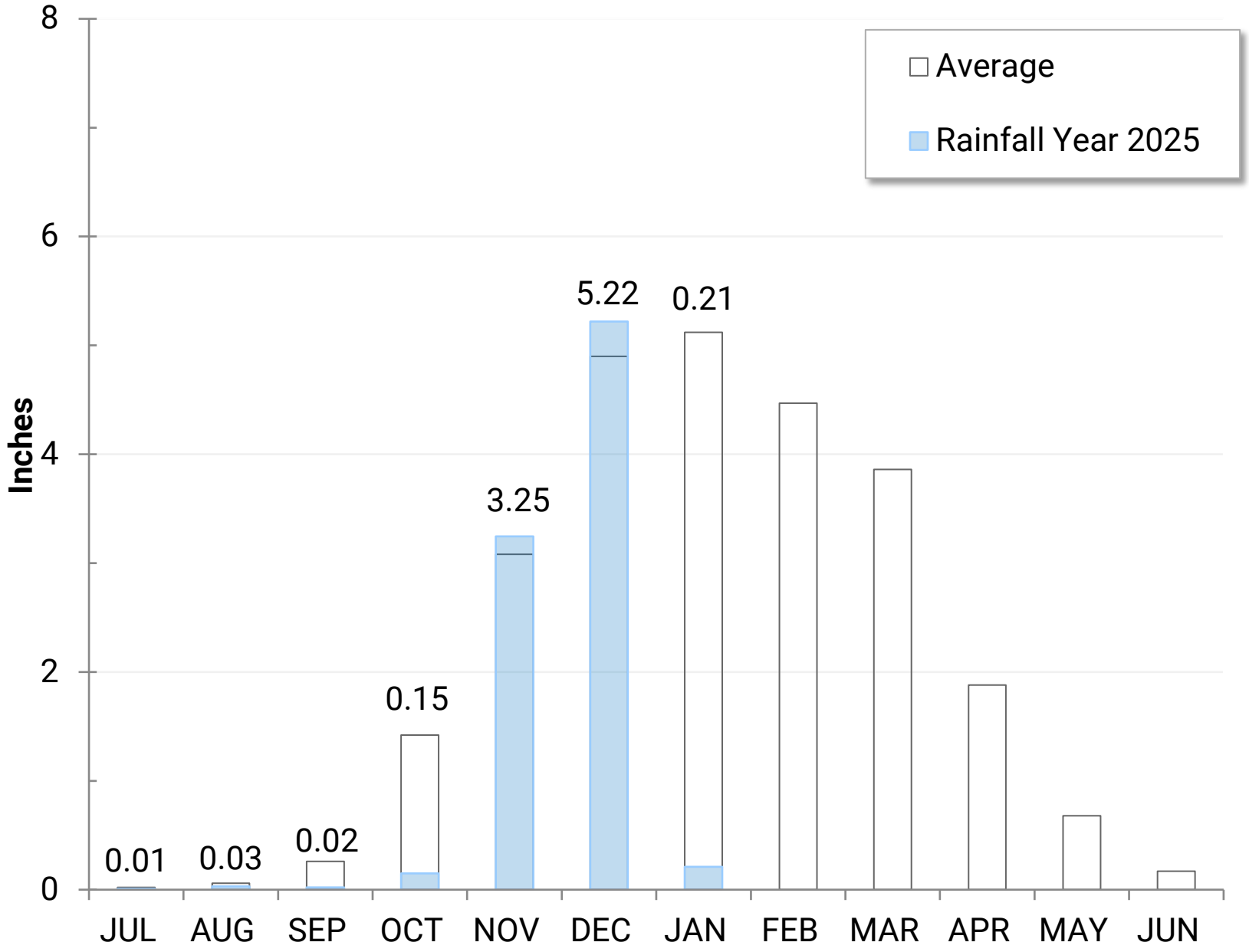
EBMUD

Precipitation as of January 22

East Bay: 8.9”
(66% of average)

Weather Station Details

- USL WTP
- Lafayette Reservoir
- Data collected since 1953

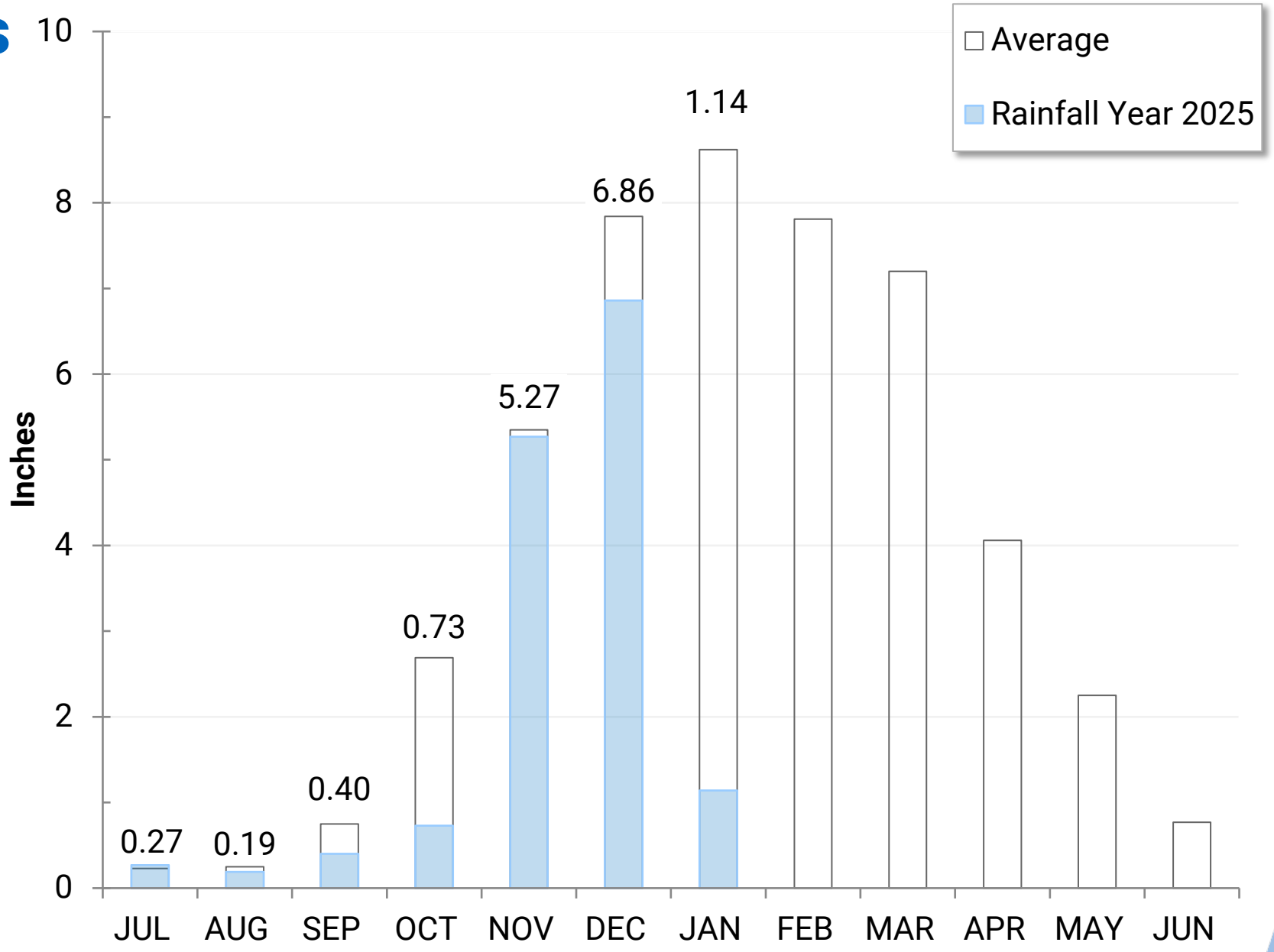


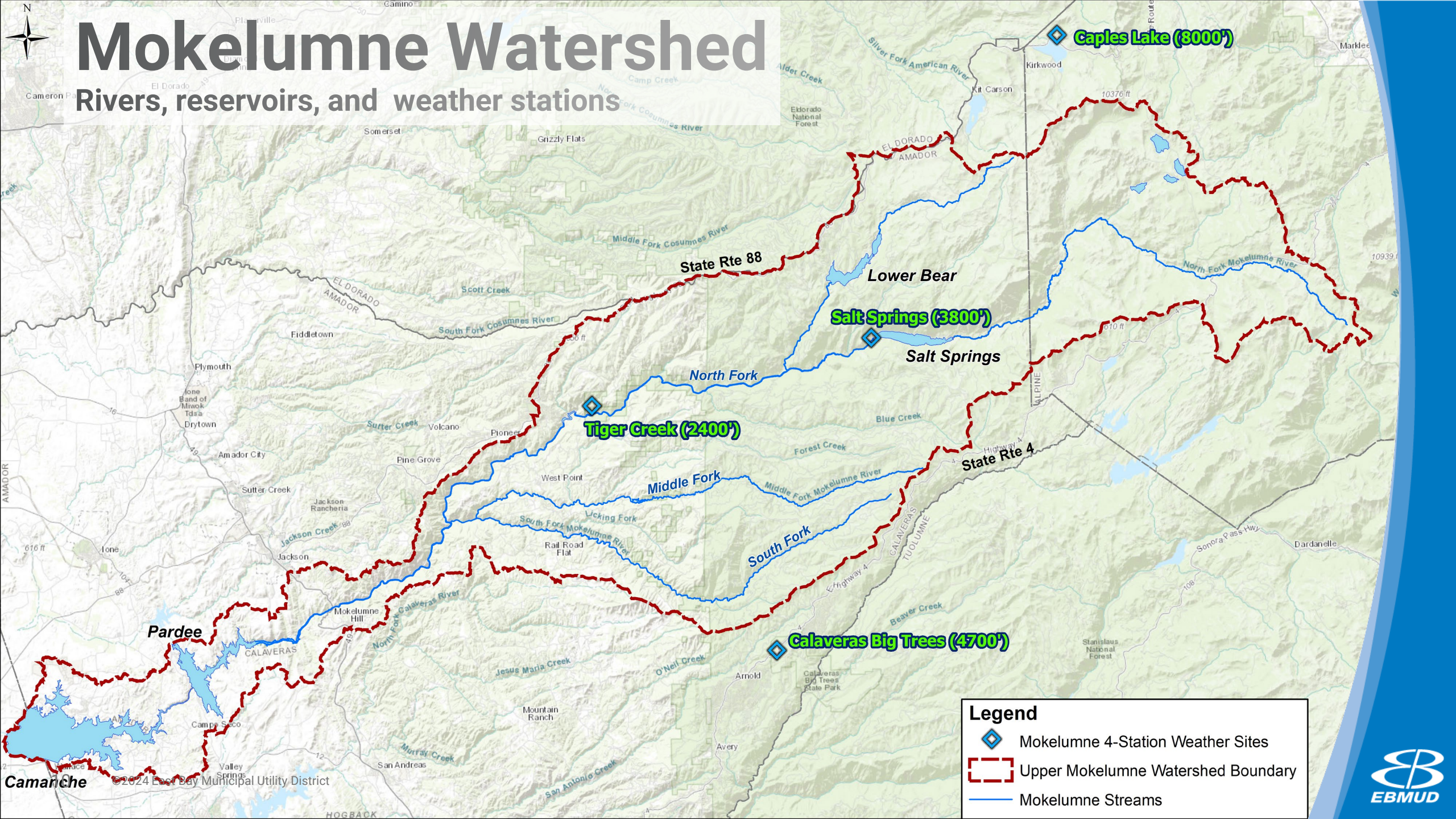
Precipitation as of January 22

Mokelumne Watershed: 14.9” (63% of average)

Weather Station Details

- Big Trees
- Caples Lake
- Salt Spring Reservoir
- Tiger Creek Power Station
- Data collected since 1930

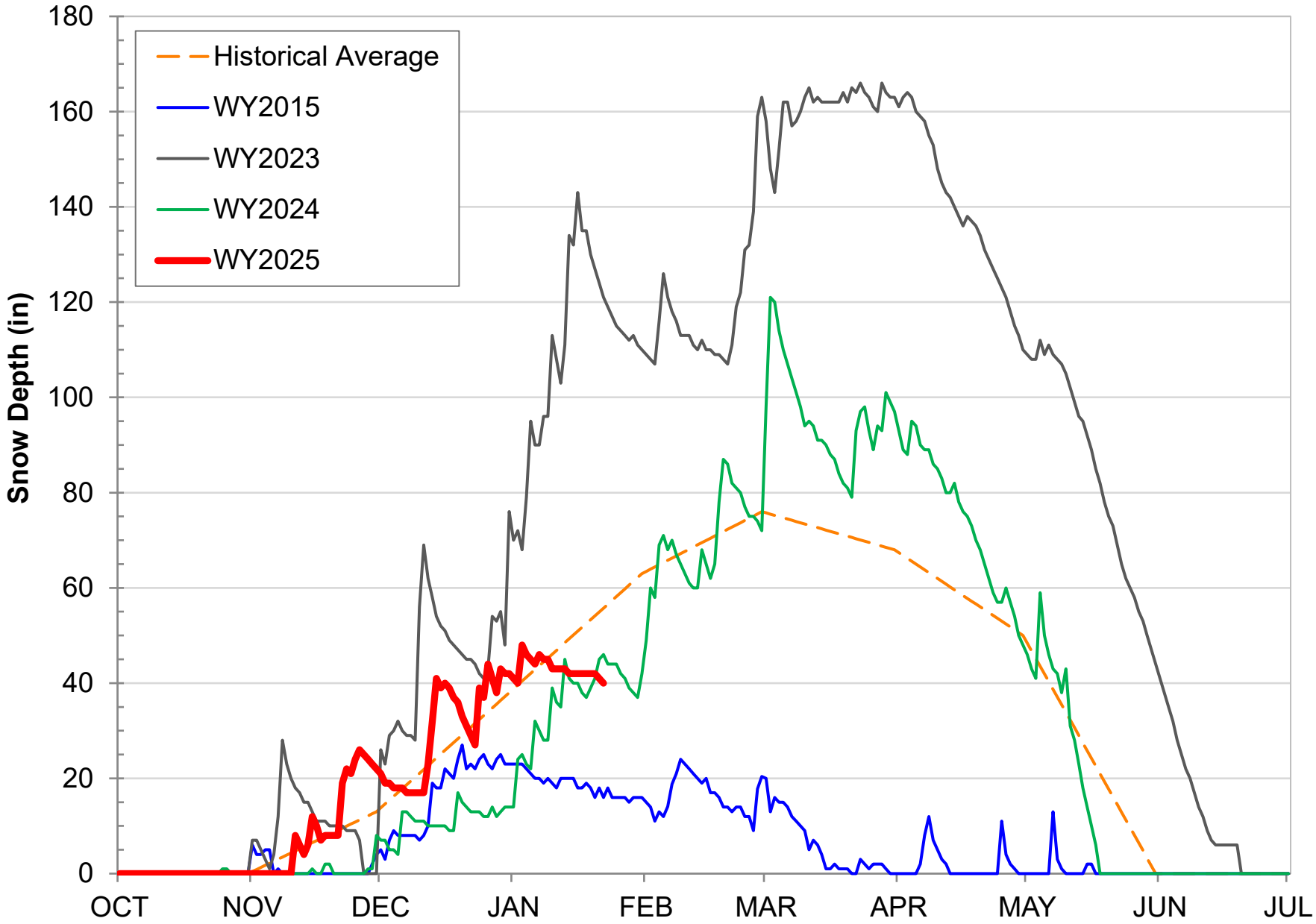


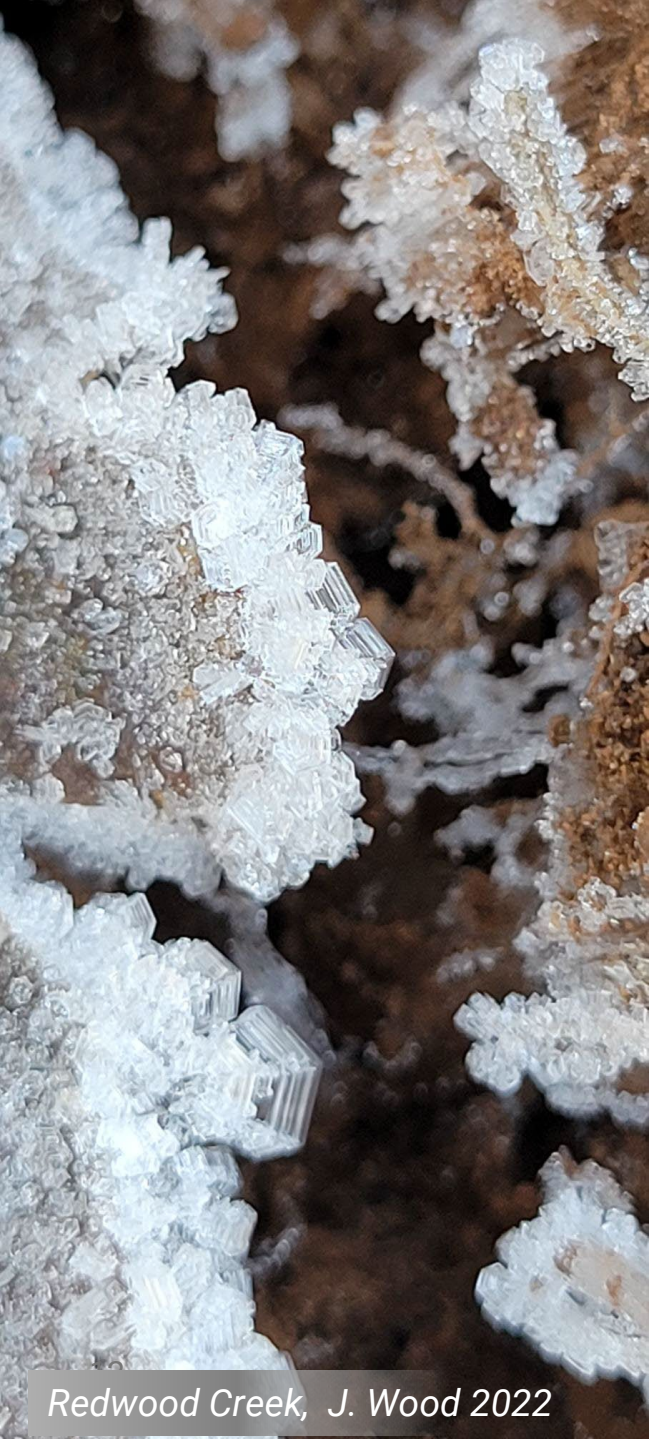


Caples Lake Snow as of January 22

Snow Depth – 40”
(72% of average)

Snow Water Content – 10.25”
(58% of average)



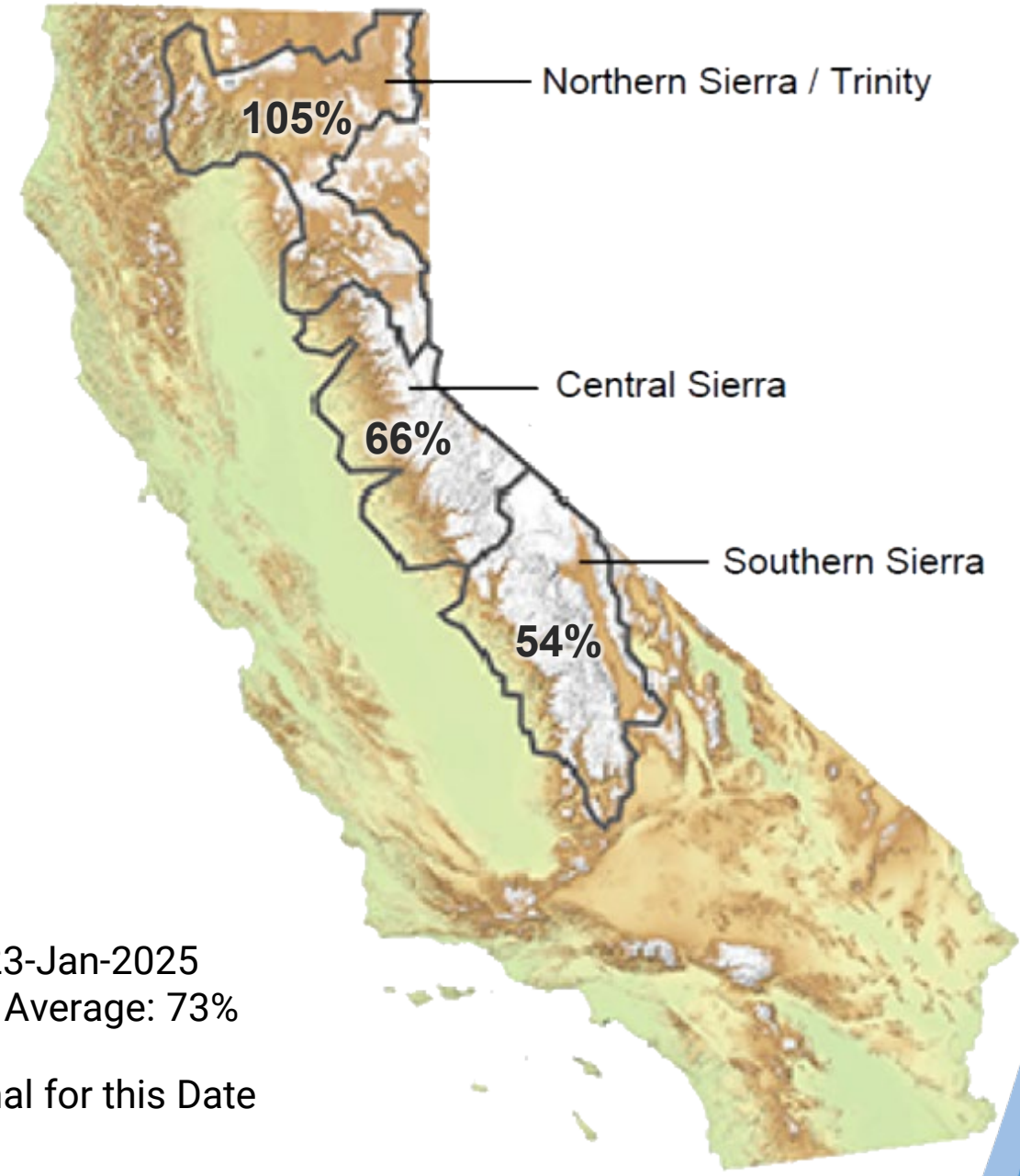


Redwood Creek, J. Wood 2022

Snowpack as of January 23

Snow Water Equivalent:

66% of Normal in Central Sierra

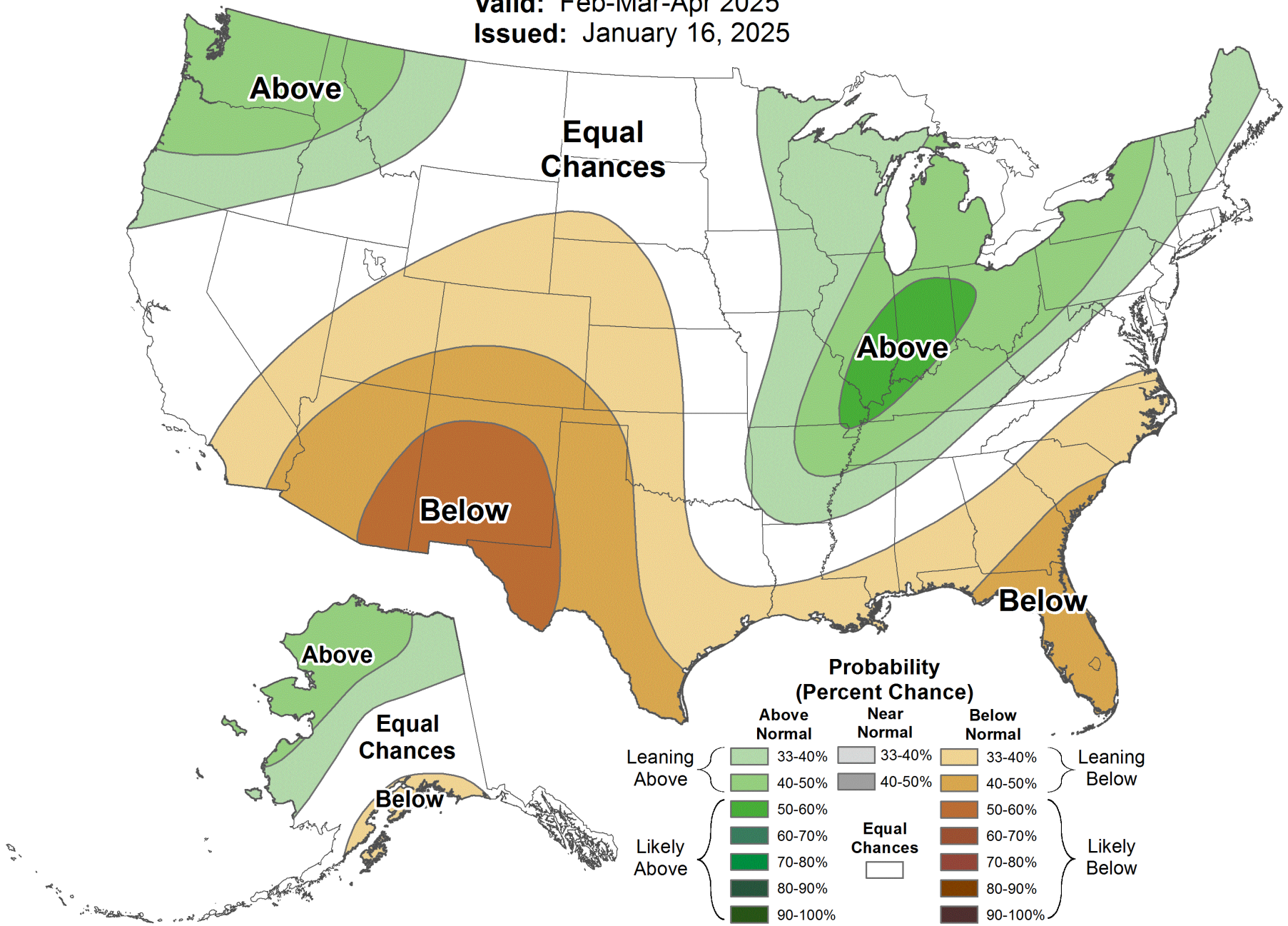


Data for: 23-Jan-2025
Statewide Average: 73%

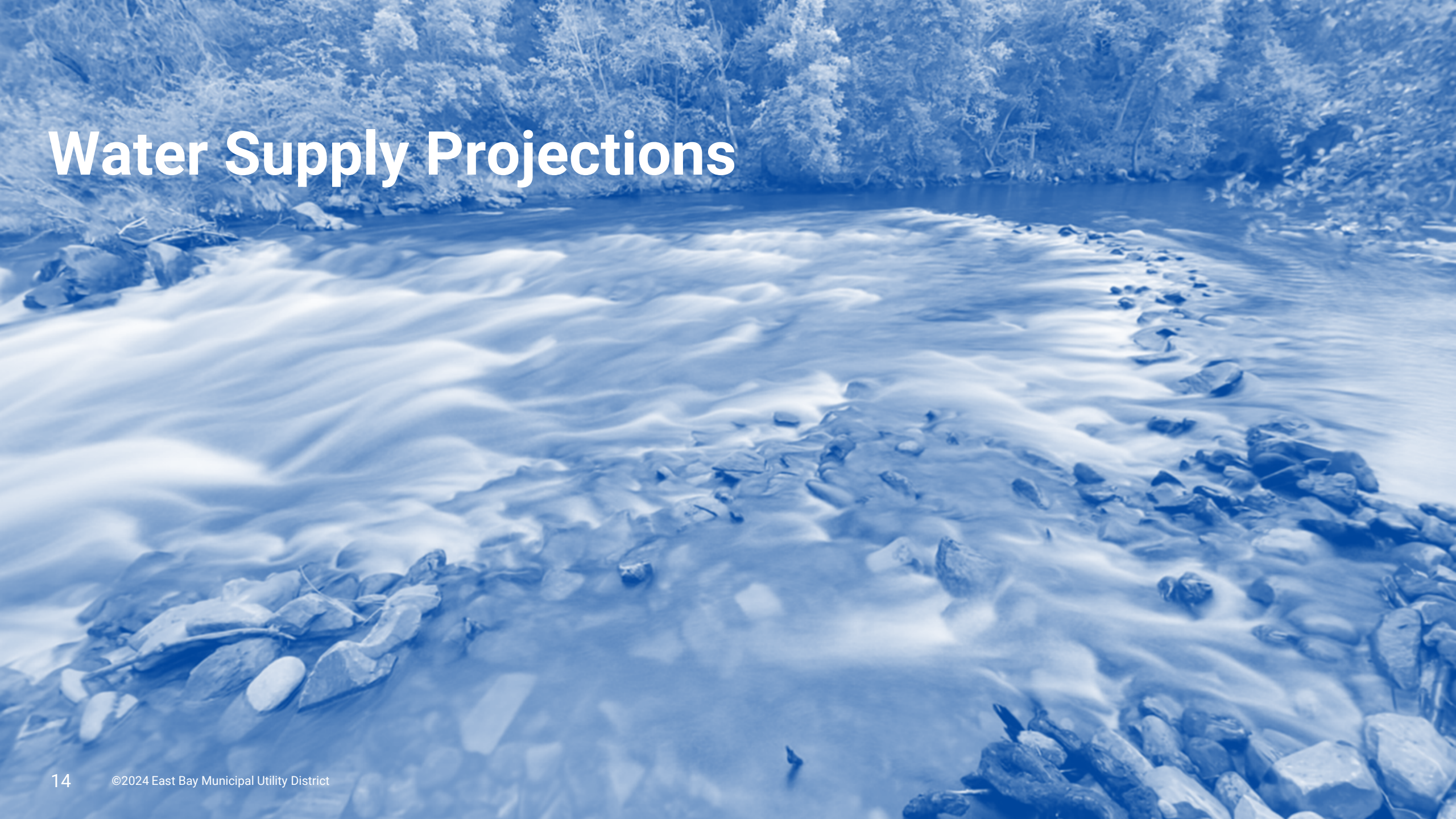
% of Normal for this Date

Seasonal Precipitation Outlook

Valid: Feb-Mar-Apr 2025
Issued: January 16, 2025

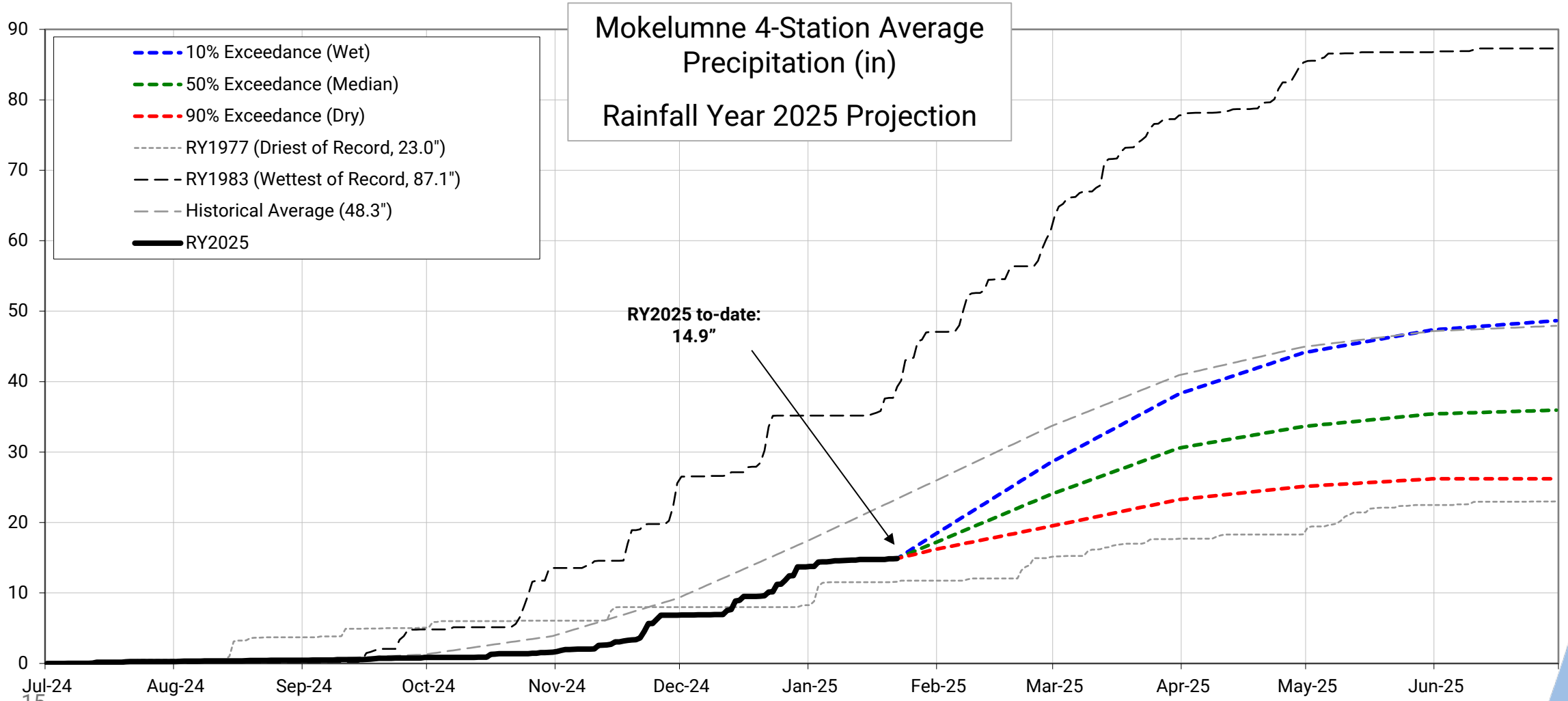


Water Supply Projections



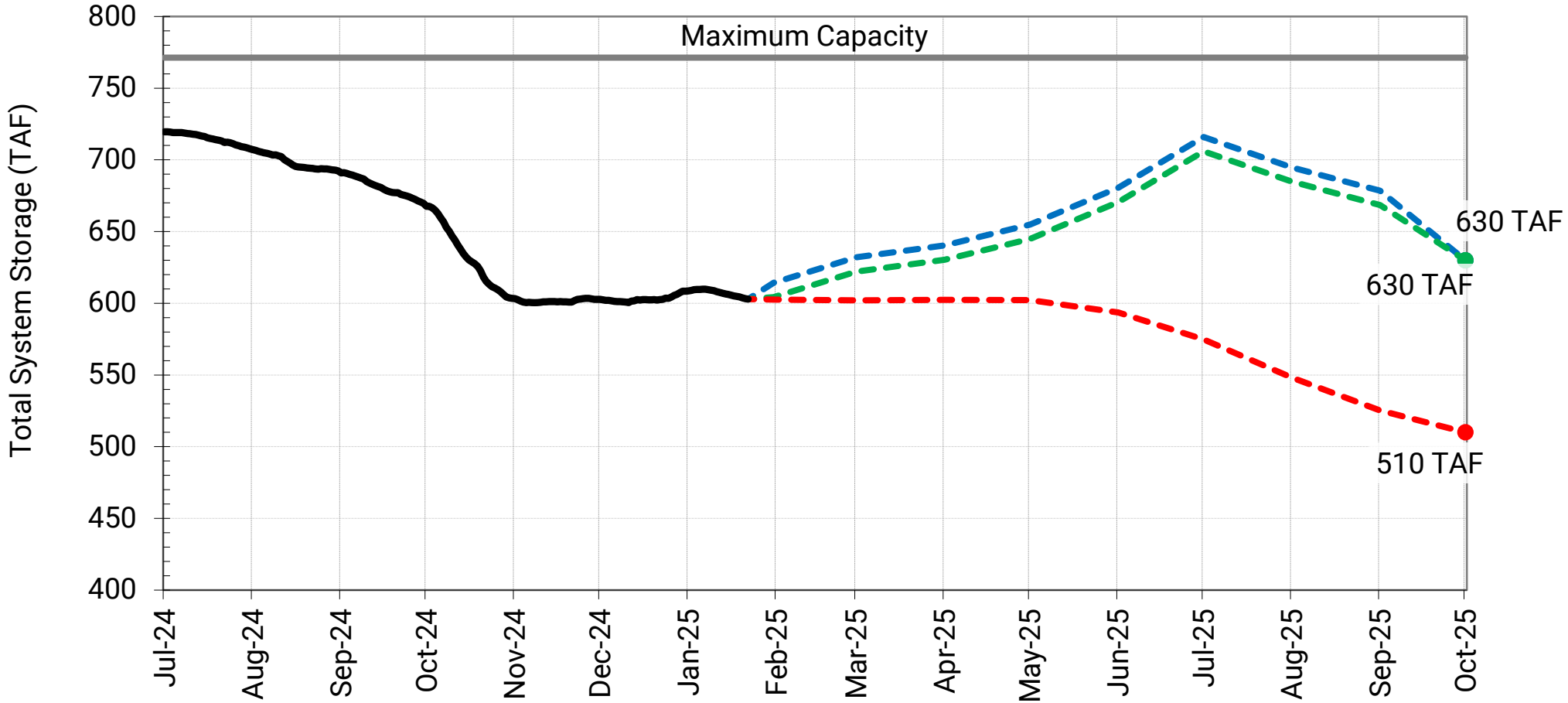
Projected Precipitation

Mokelumne Precipitation Rainfall Year 2025



End of Season Storage

2025 Total System Storage Projections



TAF: Thousands of Acre-Feet

Questions?

Mokelumne River Below Camanche, S. Lu, Nov. 2024

WATER SUPPLY ENGINEERING DAILY REPORT

Wednesday, January 22, 2025

RESERVOIR STORAGE AND ELEVATION

	WATER SURFACE		STORAGE		MAXIMUM CAPACITY			
	Elevation	+Gain		+Gain	Elevation	Storage	Release	Spill
MOKELUMNE	Feet	-Loss	Ac-Ft	-Loss	Feet	Ac-Ft	Cfs	Cfs
Pardee	553.73	-0.15	174260	-300	567.65	203795	315	0
Camanche	219.53	-0.01	305700	-60	235.5	417120	329	0
EAST BAY								
Briones	569.91	0.16	54660	110	576.14	58960	0	0
Chabot	225.33	0	9710	0	227.25	10350	0	0
Lafayette	434.83	-0.01	2610	0	449.16	4250	0	0
San Pablo	291.3	-0.02	21840	-20	313.68	37915	0	0
Upper San Leandro	453.6	0.01	34200	10	459.98	38905	0	0
Total East Bay Res.			123020	100		150380		
TOTAL SYSTEM STORAGE			602980	-260		771295		

DISTRIBUTION SYSTEM

DISTRIBUTION RESERVOIRS

	Storage MG	Operating Capacity
Today	342	720
Total Previous Day	353	
Total Change	-11	

WATER PRODUCTION AND DEMAND	Million Gallons	Capacity MGD
Lafayette WTP	8.5	25
Orinda WTP	67	190
San Pablo WTP	0	30
Sobrante WTP	16.4	50
Upper San Leandro WTP	0	45
Walnut Creek WTP	26.9	90
TOTAL SURFACE PRODUCTION	118.8	430
Miscellaneous(Estimated)	0.4	
TOTAL WATER PRODUCTION	119.2	
Change in Distribution System	-11	
Wash Water from Distribution Sys.	0	
SYSTEM DEMAND	129.7	
East-of-Hills Demand	28.6	
West-of-Hills Demand	101.1	

MOKELUMNE SYSTEM

AQUEDUCT DELIVERIES

	MG	Flow Conditions
Line 1	37.9	GRAVITY
Line 2	47.1	GRAVITY
Line 3	61.7	THROTTLE
TOTAL	146.7	227 Cfs

FSCC to MOK AQUEDUCTS (Measured at Brandt), MG

Mok 1	0
Mok 2	0
	0 MG

RIVER FLOWS AND RELEASES	Cfs
Mokelumne River Natural Flow	268
Pardee Reservoir Inflow	397
Pardee Release to Camanche Res.	315
Pardee Release to JVID	0
Camanche Release to Mokel. River	329

PG&E CO. STORAGE (Acre-feet)

	Storage	Change	Maximum Capacity
Old Reservoirs	7131	-99	26560
Salt Springs Res.	5590	6	141857
Lower Bear Res.	24260	-162	52025
Total	36981	-255	220442

RAW WATER TRANSMISSION Ac-ft

	INPUT	DRAFT
Briones Res.	99	0
San Pablo Res.	37	52
U. San Leandro Res.	0	0
TOTAL	136	52

REMARKS

WID Canal Diversion = 0 cfs

Mokelumne River below WID = 276 cfs

PG&E data as of 4:00 pm previous date.
All other data as of midnight.
WTP capacities are sustainable rates.

PRECIPITATION (Inches)

	THIS YEAR			AVERAGE YEAR	
STATION	Today	This Month	Season to-Date	Season to-Date	Season Total
USL WTP	0	0.25	10.6	13.09	25.33
Orinda WTP	0	0.25	13.44	16.05	32.06
Lafayette Reservoir	0	0.17	7.15	14.29	28.18
Walnut Creek WTP	0	0.15	8.52	11.72	23.02
Camp Pardee	0	0.5	5.63	10.27	21.56
Salt Springs P.H.	0.06	1.61	14.03	22.1	45.51

CAPLES LAKE (7,830 FT) DATA

	Today	Average
Snow Depth	40 Inches	56 Inches
Water Content	10.3 Inches	17.6 Inches