EAST BAY MUNICIPAL UTILITY DISTRICT

Water Supply Update

Board of Directors

January 11, 2022

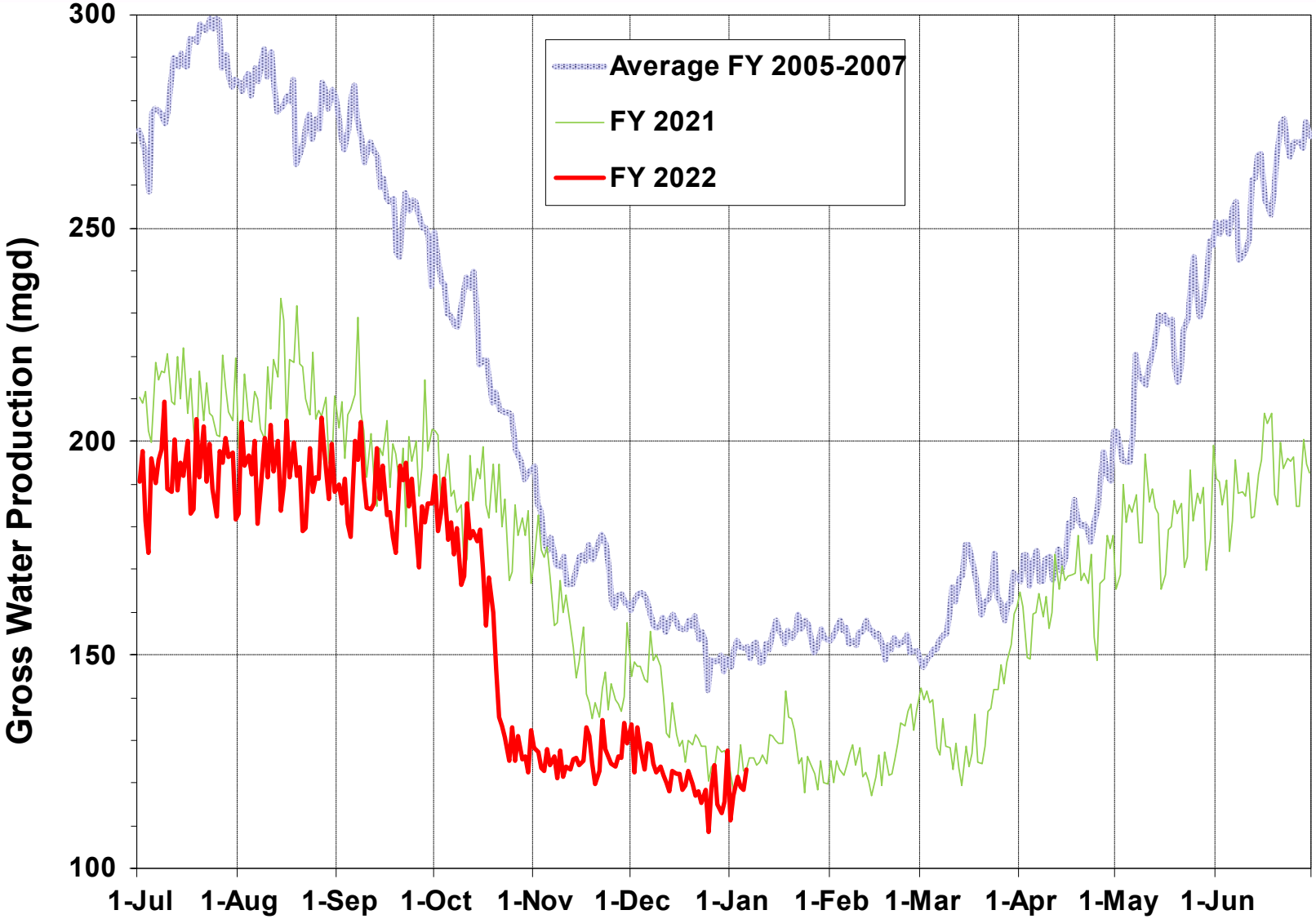
Water Supply Briefing

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

Downstream of Pardee Spillway

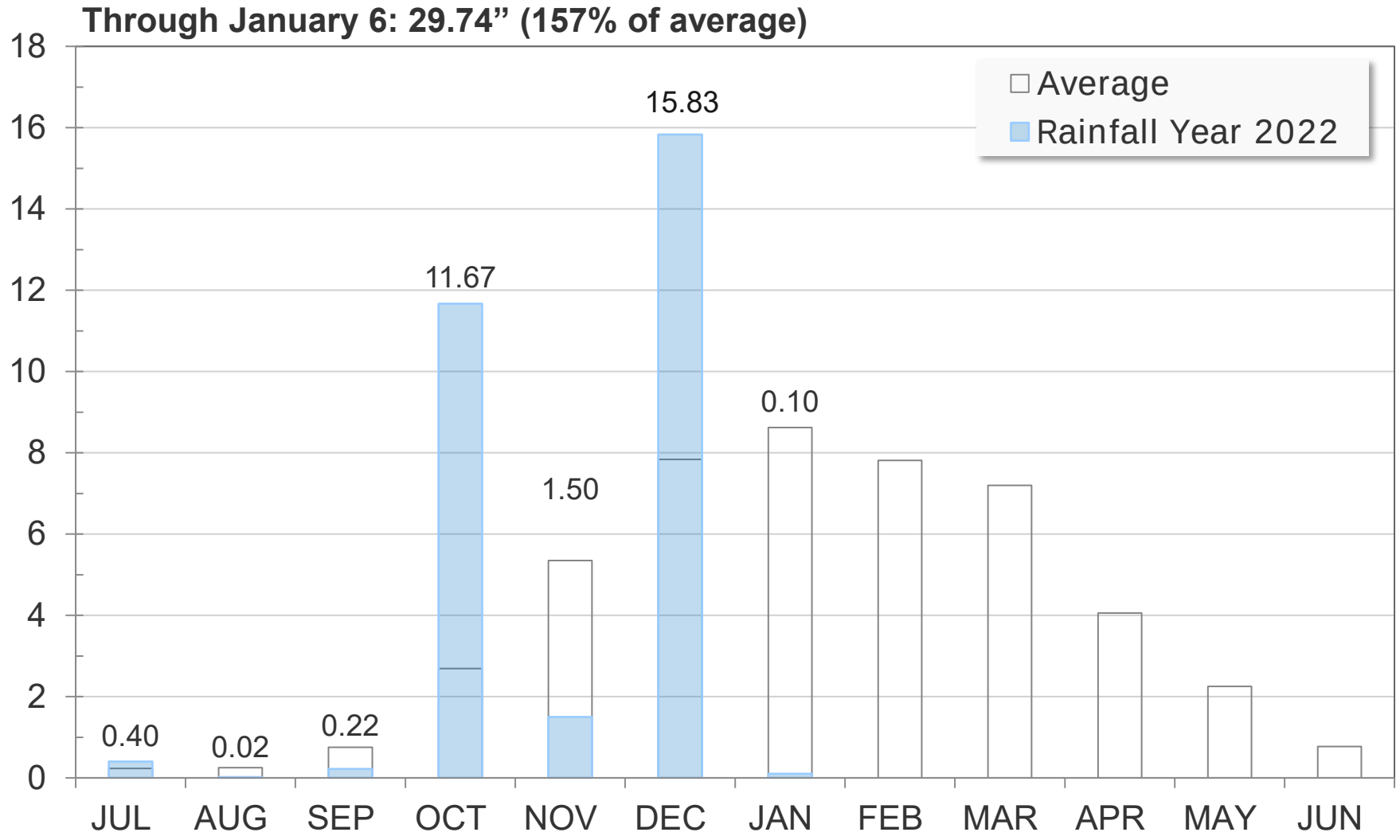
Current Water Supply

Gross Water Production



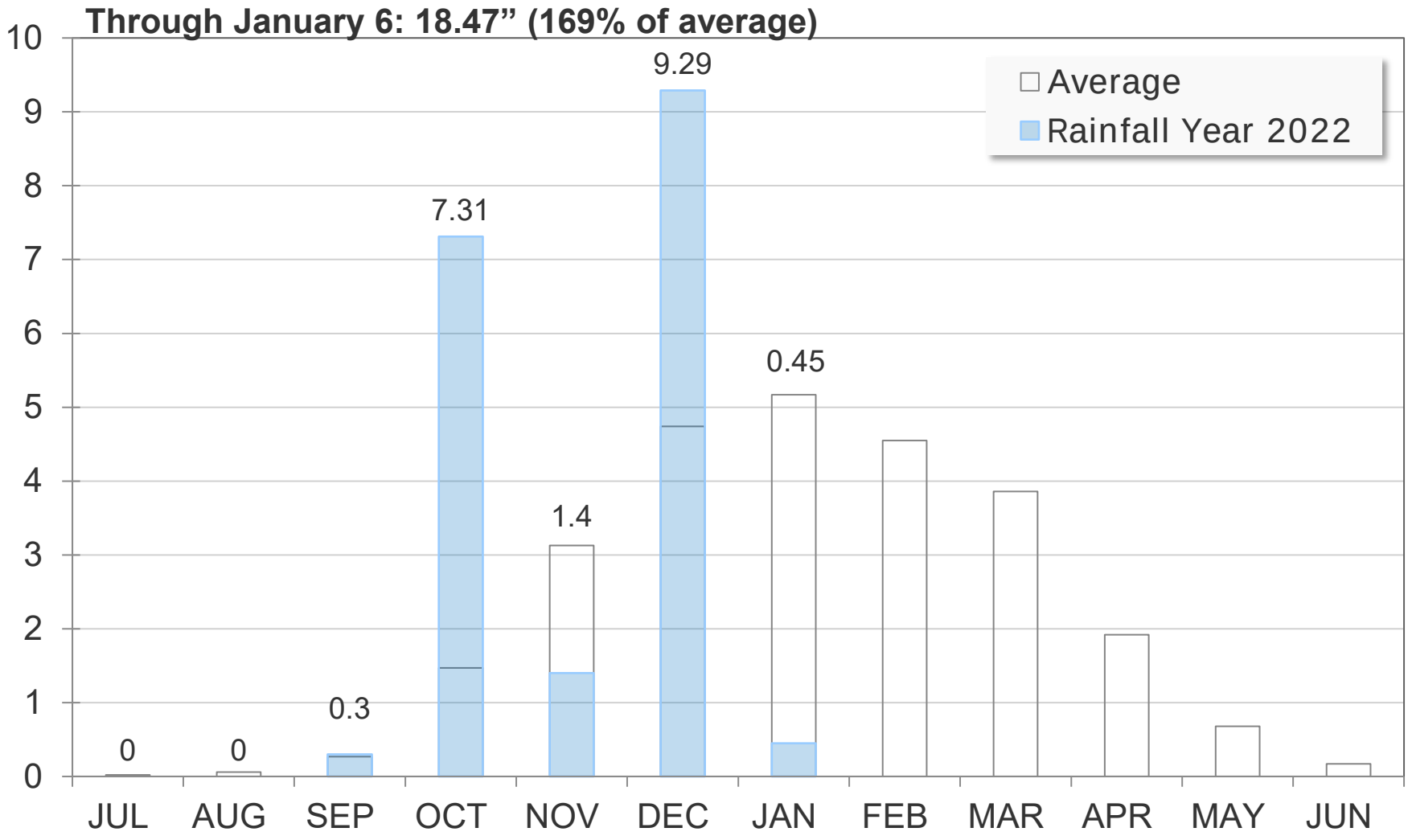
Current Water Supply

Mokelumne Precipitation



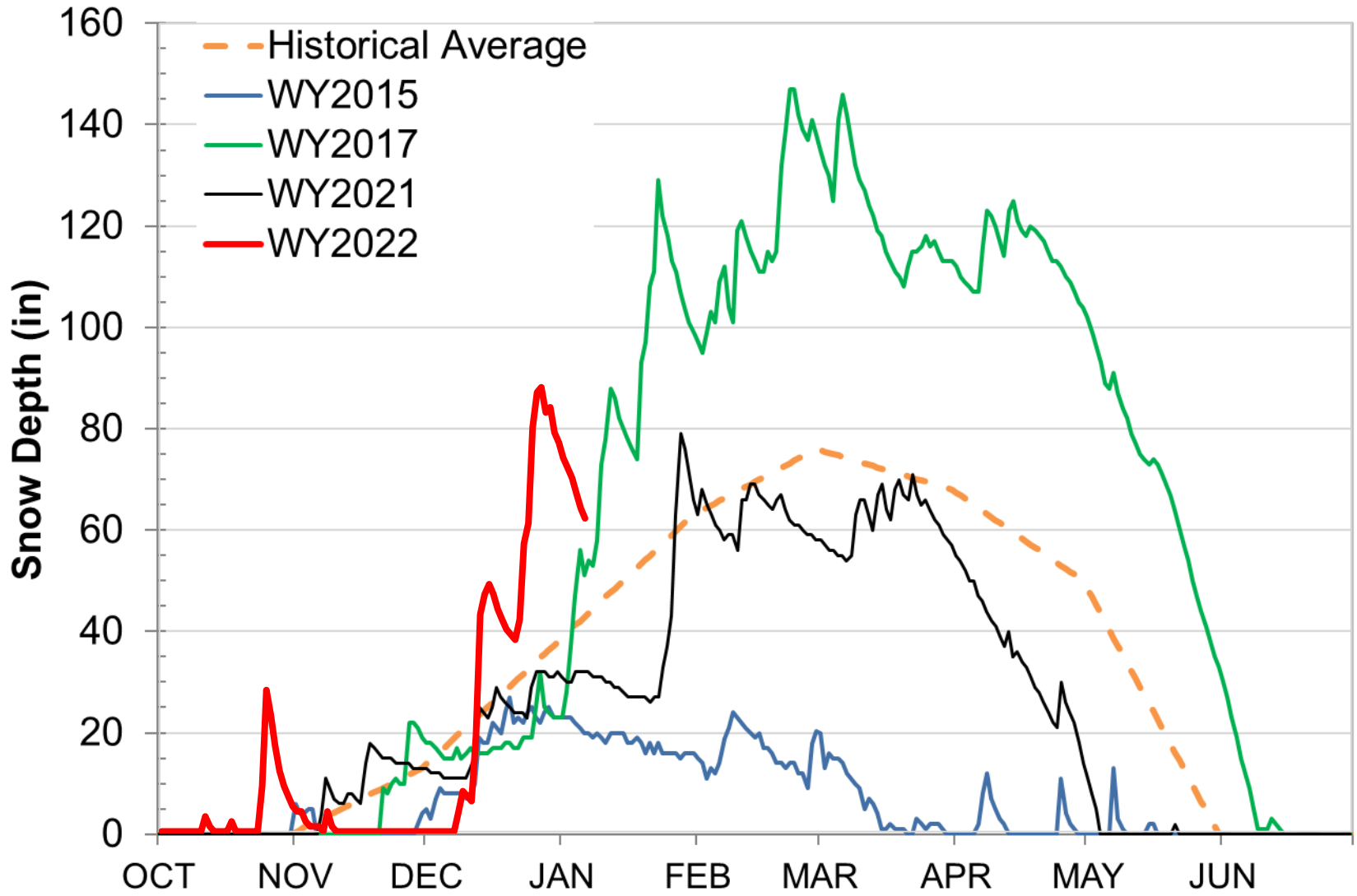
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Snow

As of Jan. 6, 2022	Cumulative Precipitation	% of Average
Caples Lake Snow Depth	62”	145%
Caples Lake Snow Water Content	18.25”	146%

Current Water Supply

Reservoir Storage

Pardee Recreation Area and Jackson Creek Spillway

Camanche Reservoir

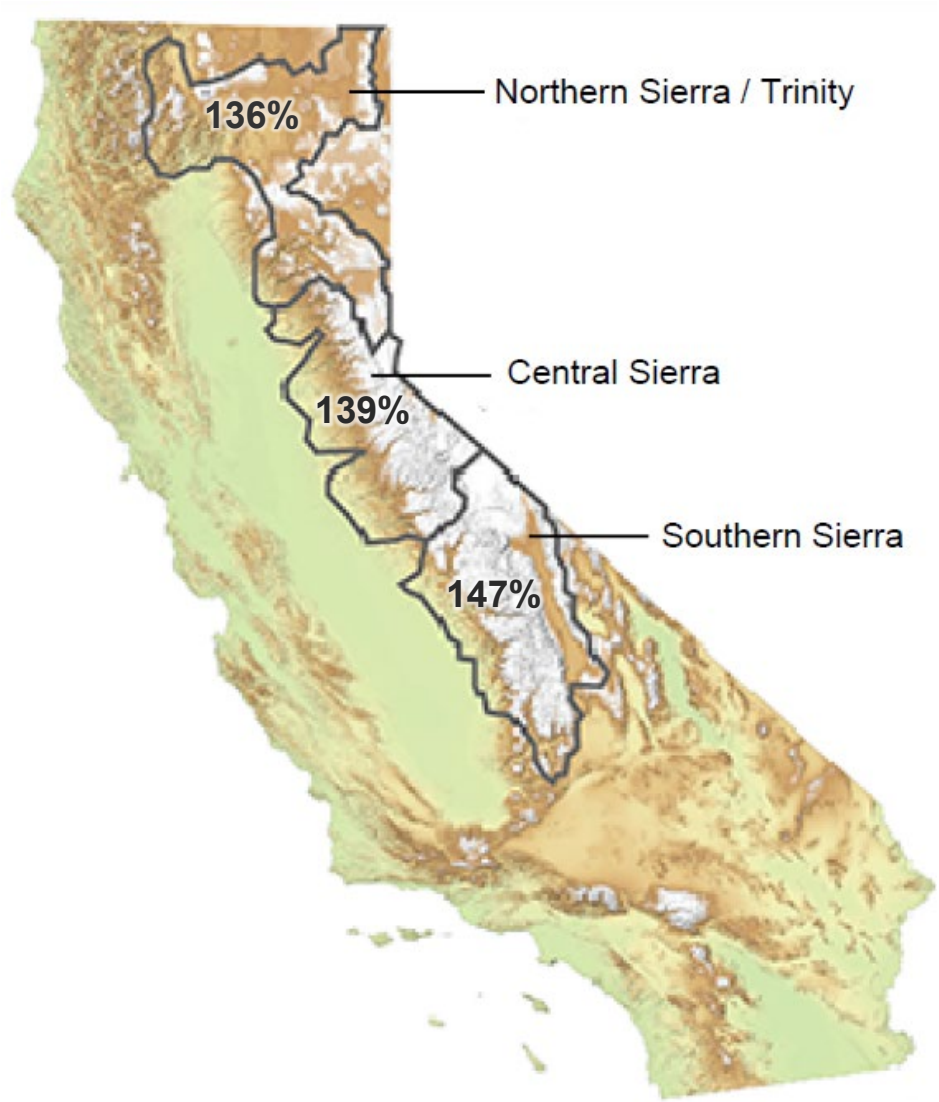
Briones Reservoir

As of 1/6/2022	Current Storage	Percent of Average	Percent of Capacity
Pardee	176,440 AF	99%	87%
Camanche	192,420 AF	75%	46%
East Bay	132,120 AF	109%	88%
Total System	500,980 AF	90%	65%

California Water Supply

Automated Sensor Snow Water Equivalents

% Normal for this Date

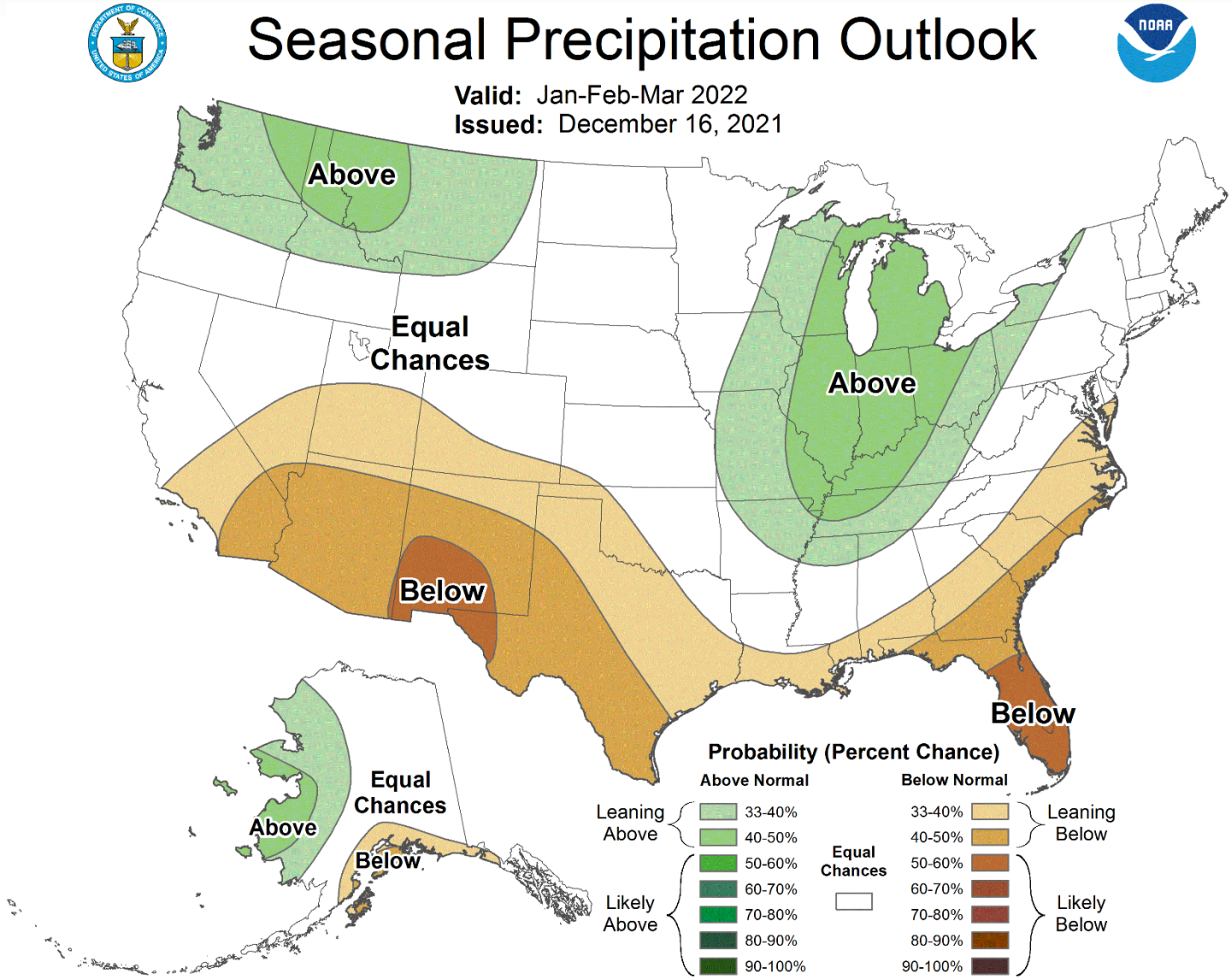


Data for: 7-Jan-2021

Statewide Average: 141%

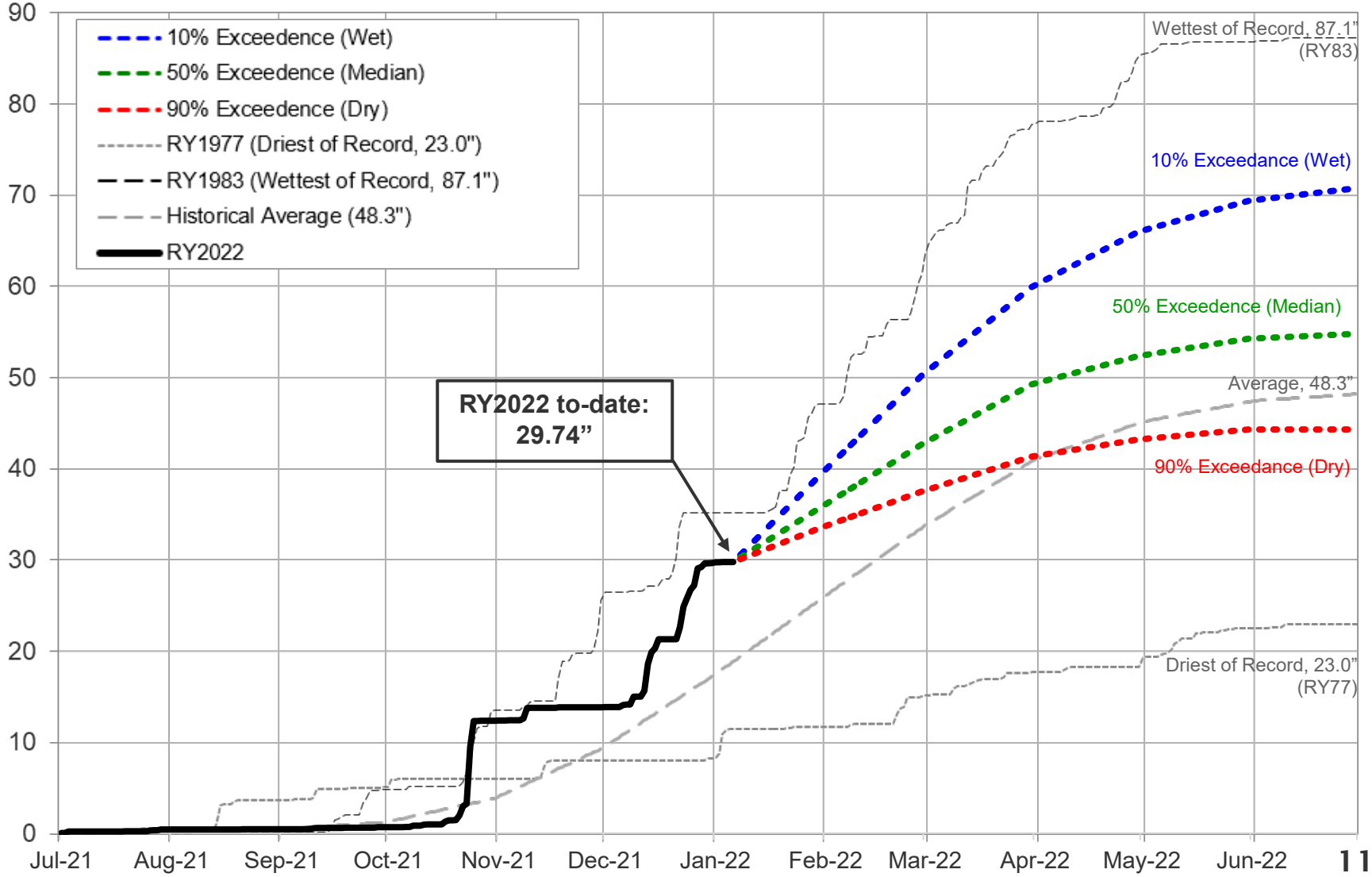
Water Supply Projections

Precipitation Forecasts for Jan '22 through Mar '22



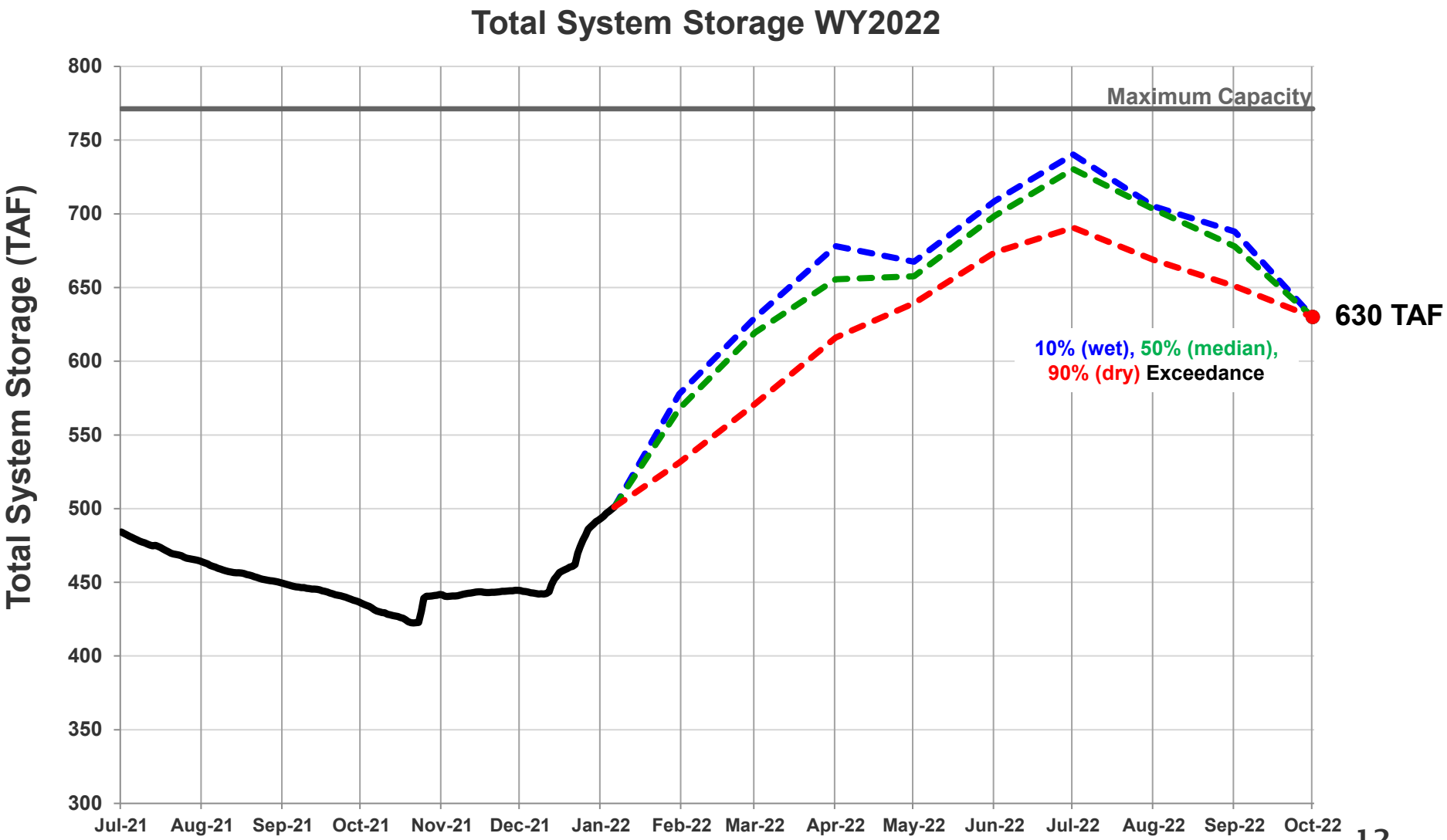
Water Supply Projections

Mokelumne Precipitation Rainfall Year 2022



Water Supply Projections

Projected 2022 EBMUD Total System Storage



Questions ?

Pardee Reservoir at Sunrise

WATER SUPPLY ENGINEERING DAILY REPORT

Thursday, January 6, 2022

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	554.81	0.08	176440	160	567.65	203795	794	0
Camanche	199.85	0.23	192420	1150	235.5	417120	226	0
EAST BAY								
Briones	564.18	0.01	50820	0	576.14	58960	0	0
Chabot	222.14	0.03	8690	10	227.25	10350	0	0
Lafayette	436.54	0.02	2780	0	449.16	4250	0	0
San Pablo	308.56	0.08	33760	60	313.68	37915	0	0
Upper San Leandro	456.21	-0.01	36070	-10	459.98	38905	0	0
Total East Bay Res.			132120	60		150380		
TOTAL SYSTEM STORAGE			500980	1370		771295		

DISTRIBUTION SYSTEM

DISTRIBUTION RESERVOIRS

	Storage MG	Operating Capacity
Today	336	720
Total Previous Day	350	
Total Change	-14	

WATER PRODUCTION AND DEMAND	Million Gallons	Capacity MGD
Lafayette WTP	0	25
Orinda WTP	49	190
San Pablo WTP	0	30
Sobrante WTP	0	50
Upper San Leandro WTP	39.7	45
Walnut Creek WTP	21	90
TOTAL SURFACE PRODUCTION	109.7	430
Miscellaneous(Estimated)	0.4	
TOTAL WATER PRODUCTION	110.1	
Change in Distribution System	-14	
Wash Water from Distribution Sys.	0.6	
SYSTEM DEMAND	123.2	
East-of-Hills Demand	23.4	
West-of-Hills Demand	99.8	

MOKELUMNE SYSTEM

AQUEDUCT DELIVERIES

	MG	Flow Conditions
Line 1	12.6	THROTTLE
Line 2	13.4	THROTTLE
Line 3	46.7	THROTTLE
TOTAL	72.7	112 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	943
Pardee Reservoir Inflow	991
Pardee Release to Camanche Res.	794
Pardee Release to JVID	0
Camanche Release to Mokel. River	226

PG&E CO. STORAGE (Acre-feet)

	Storage	Change	Maximum Capacity
Old Reservoirs	8617	89	26560
Salt Springs Res.	52383	-343	141857
Lower Bear Res.	24575	158	52025
Total	85575	-96	220442

RAW WATER TRANSMISSION Ac-ft

	INPUT	DRAFT
Briones Res.	0	0
San Pablo Res.	8	0
U. San Leandro Res.	0	127
TOTAL	8	127

REMARKS

WID Canal Diversion = 0 cfs

Mokelumne River below WID = 171 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	0.01	0.53	20.49	10.57	25.33
Orinda WTP	0.02	0.91	26.77	12.75	32.06
Lafayette Reservoir	0	0.37	16.45	11.29	28.18
Walnut Creek WTP	0	0.47	17.45	9.24	23.02
Camp Pardee	0	0	14.88	8.26	21.56
Salt Springs P.H.	0	0.25	25.91	17.94	45.51

CAPLES LAKE (7,830 FT) DATA

	Today	Average
Snow Depth	62 Inches	43 Inches
Water Content	18.3 Inches	12.5 Inches