



Status of Water Supplies

Water Resources and Watershed Committee
July 14, 2021
Staff Activities

Overview

Water Supply Update

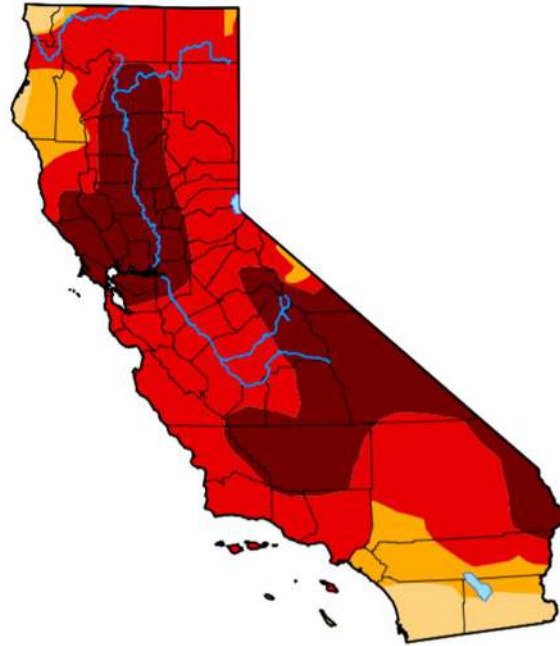
- Drought Classification
- Weather Forecast
- Precipitation
- SWP Updates
- SCV Water Operations



Drought Classification

U.S. Drought Monitor California

July 6, 2021
(Released Thursday, Jul. 8, 2021)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

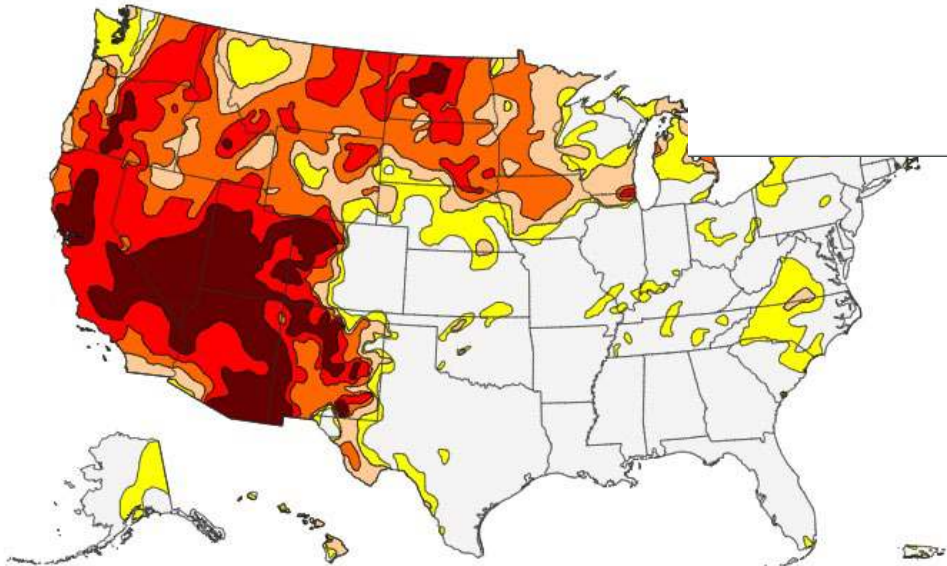
Deborah Bathke
National Drought Mitigation Center



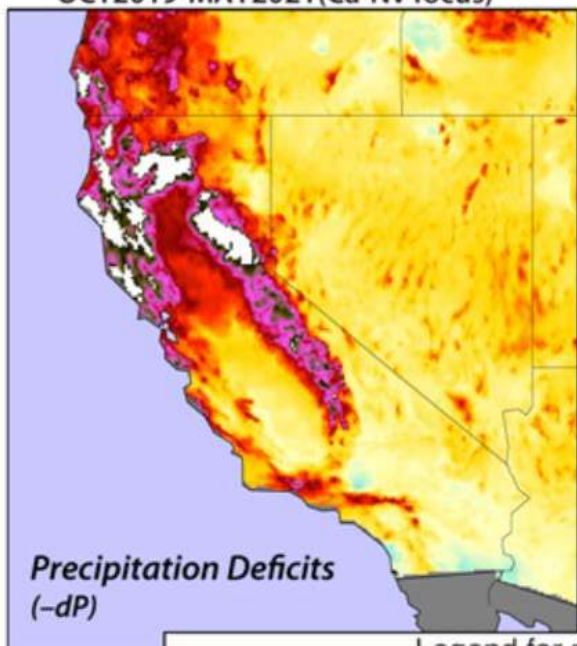
droughtmonitor.unl.edu

U.S. Drought Monitor

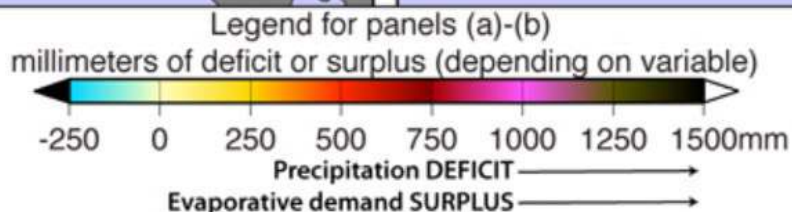
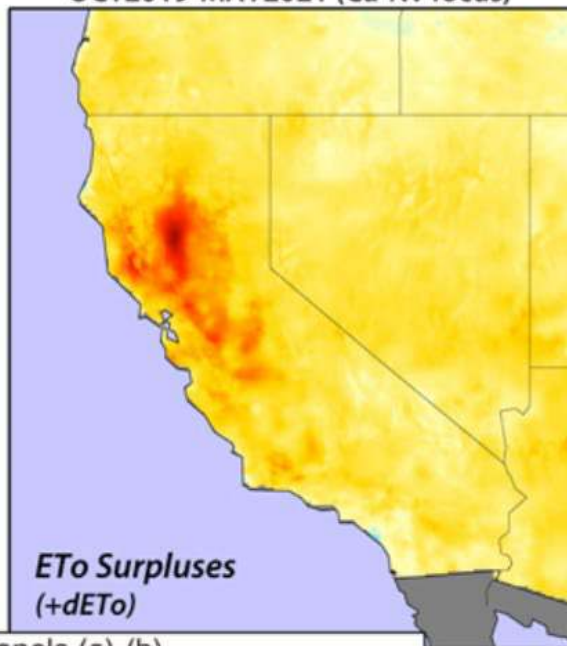
Current Drought Change in Drought



a) NET PRECIPITATION DEFICITS,
OCT2019-MAY2021 (Ca-Nv focus)

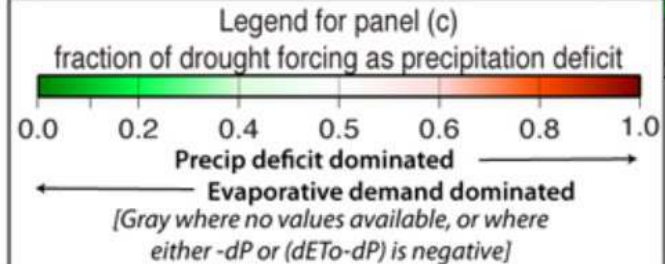
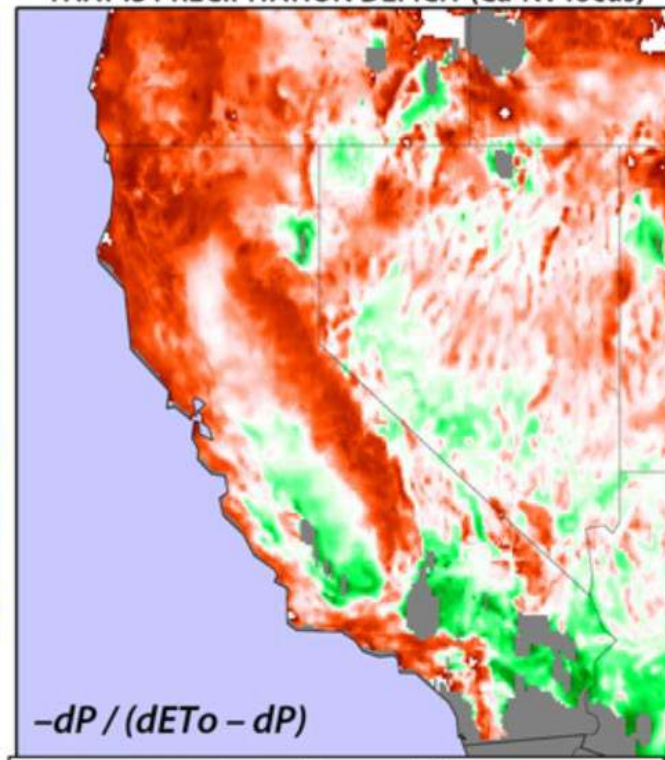


b) NET ET_o SURPLUSES,
OCT2019-MAY2021 (Ca-Nv focus)



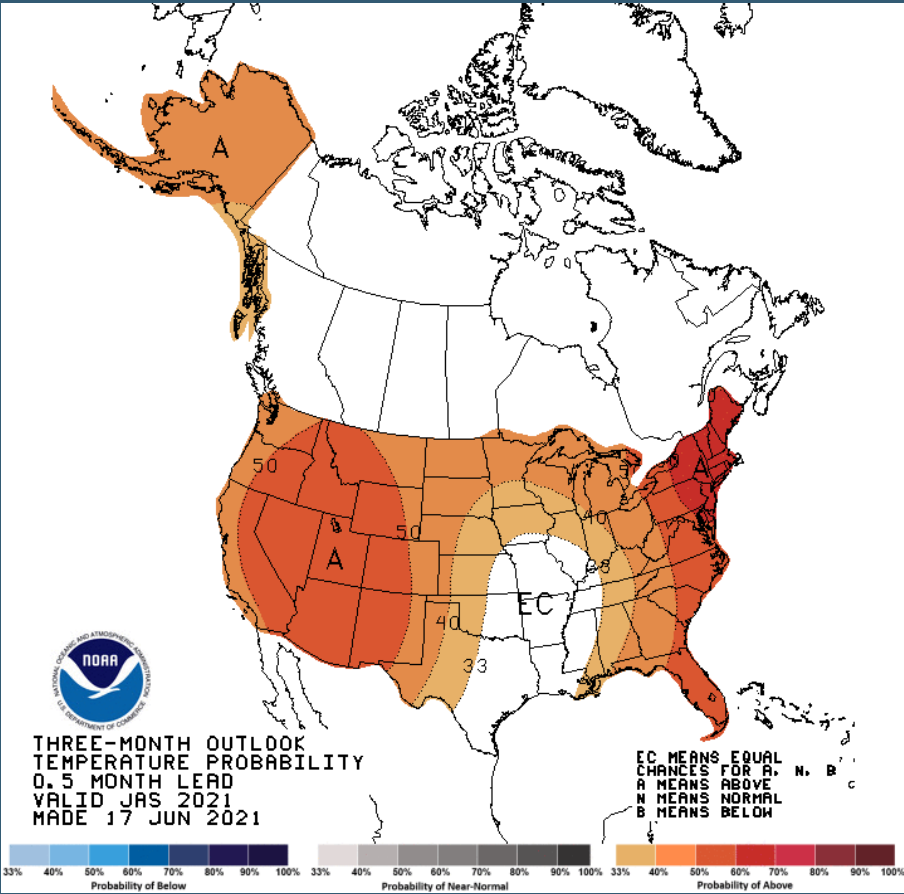
[Relative to 1980-2010 normals, sources: monthly PRISM precip & gridmet ETo]

c) FRACTION OF OVERALL DROUGHT FORCING
THAT IS PRECIPITATION DEFICIT (Ca-Nv focus)

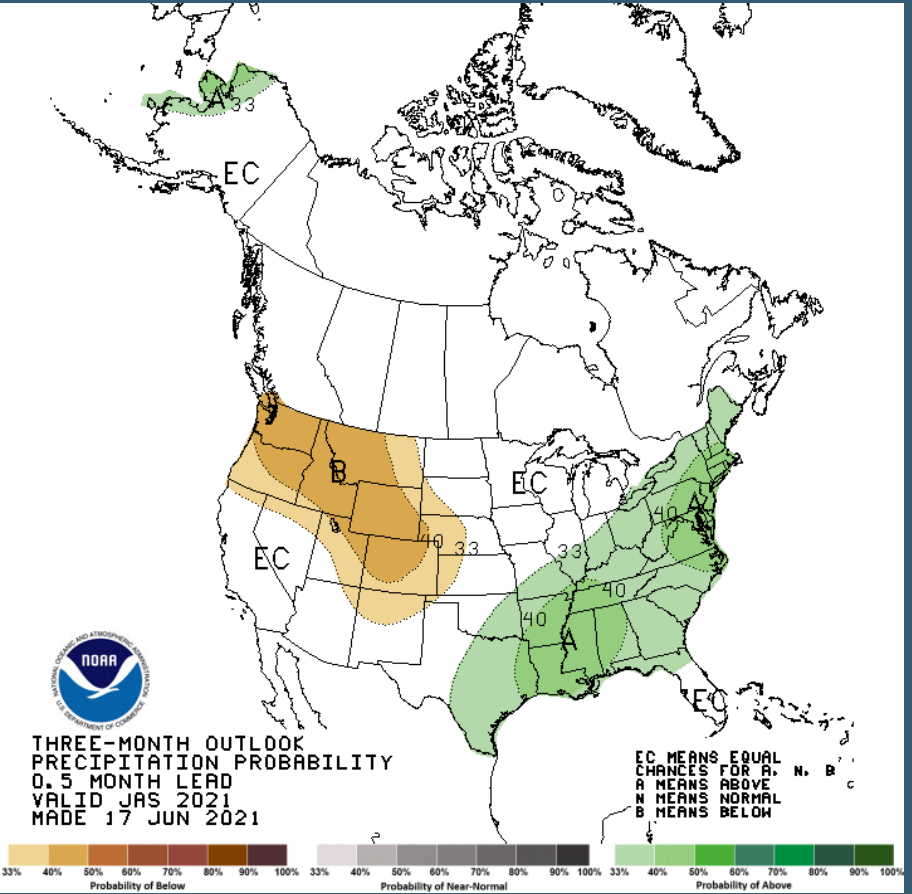


90 Day Forecast (July, Aug, Sept)

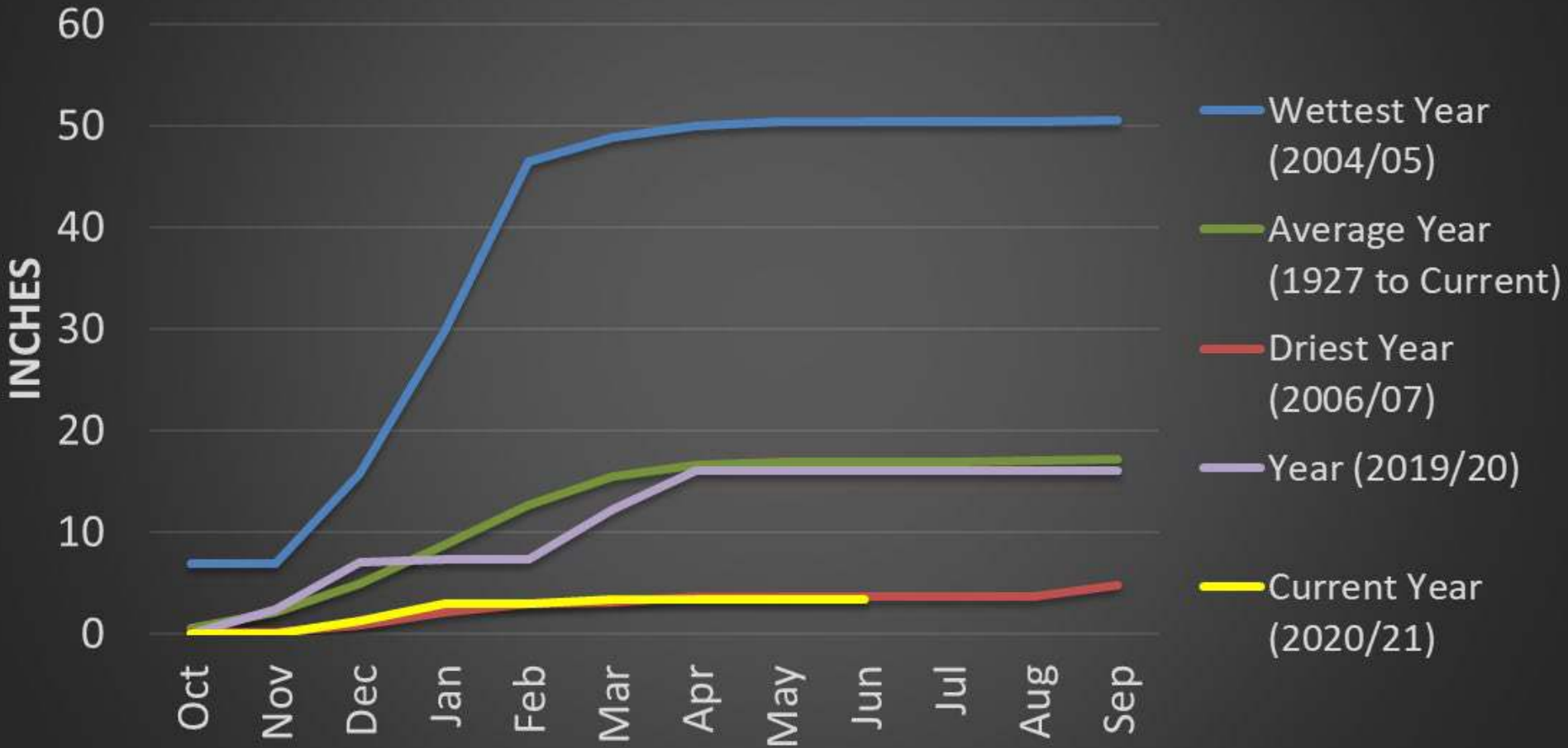
Temperature



Precipitation

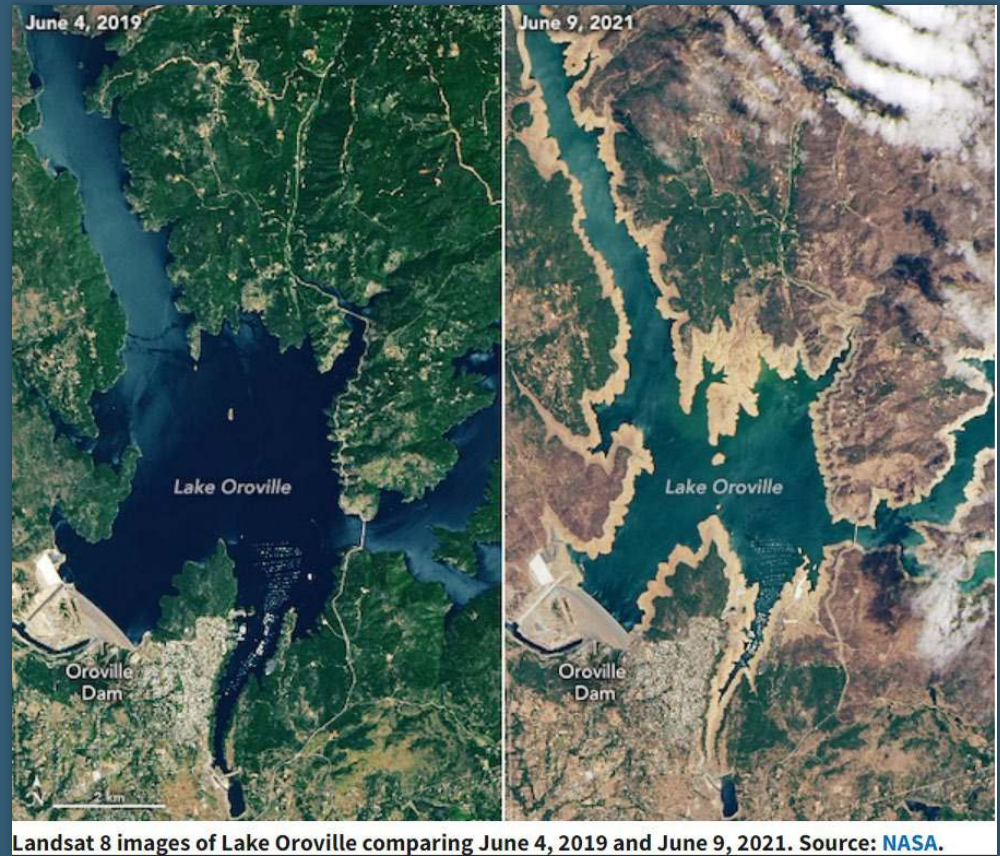


SCV Historical Rainfall



Statewide Updates

- Voluntary 15% reduction in water use
 - Expanded emergency drought declaration
- SWC & CVP letter to SWRCB
 - request to regulate diversions of stored water in the Delta
- Emergency rock barrier installed in Delta
- WY 21-22 La Nina expected



Forecast ESP Water Year 2021 Volume

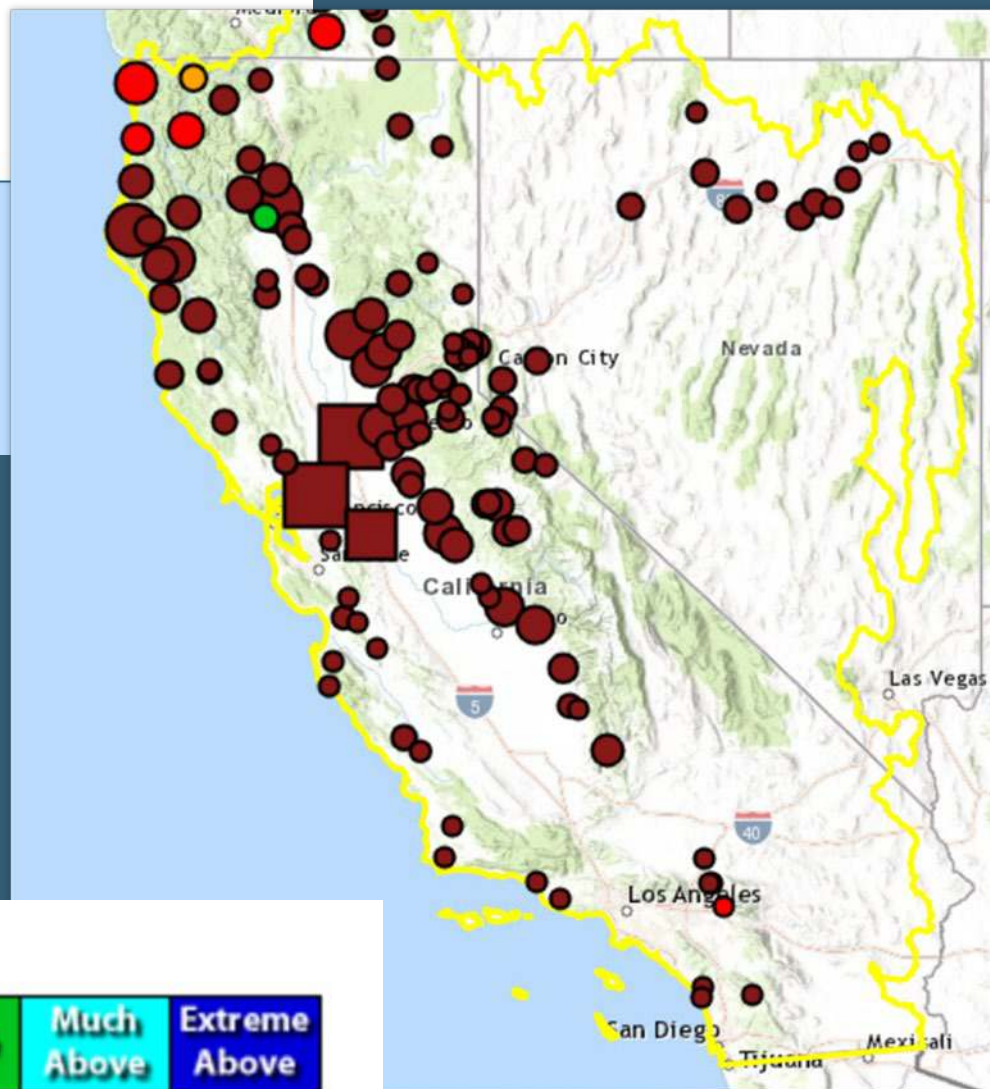
Click for more options

Data Mode:

Created: Fri Jul 09 2021 at 9:50 AM PDT



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Percent of Normal

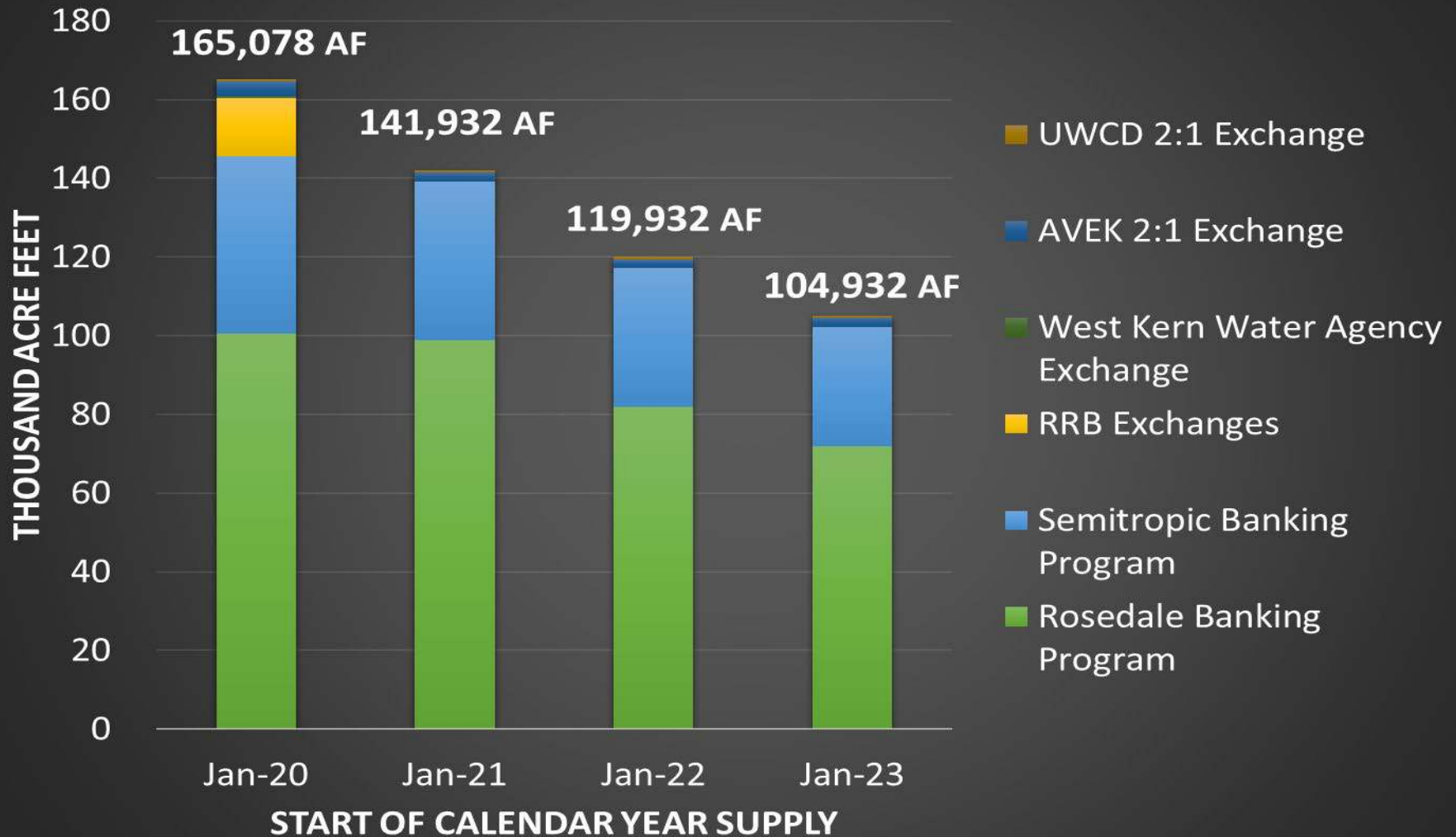


50% 70% 90% 110% 130% 150%

Marker size scaled by average yearly flow.

2022 Operating Plan	2022 5% SWP Allocation	2022 15% SWP Allocation2	2022 25% SWP Allocation
Demand	72,000	72,000	72,000
Groundwater ¹	31,500	31,500	31,500
Alluvium	14,500	14,500	14,500
Saugus	17,000	17,000	17,000
Recycled Water	1,000	1,000	1,000
Imported Demand	39,500	39,500	39,500
Imported Supplies			
SWP Table A	4,760	14,280	23,800
BVRRB	11,000	11,000	11,000
Total Available Imported Supplies	15,760	25,280	34,800
Excess Imported Supplies (neg = shortfall)	(23,740)	(14,220)	(4,700)
Dry Year Imported Supplies			
SWP Carryover Delivered (not always guaranteed)	7,000	7,000	4,700
Devil's Den Delivery			
Rosedale Banking	10,000	2,220	
Semitropic Enhanced Recovery Unit (Banking)	5,000	5,000	
Yuba Accord	1,000		
Dry Year Water Purchase			
Flexible Storage (up to 6,060 AF)	740		
2021 SWP Carryover into 2022 (neg = excess)	0	0	2,300
Total Imported Supplies	39,500	39,500	41,800

Dry Year Storage Use Estimates





Questions?