



Status of Water Supply and Water Banking Programs

Water Resources and Watershed Committee

September 8, 2021

Item 4.2



Overview

Water Supply Update

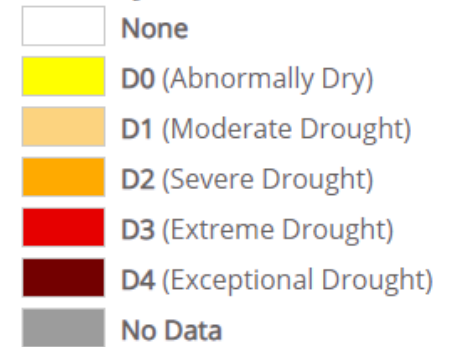
- Drought Classification
- Precipitation
- Weather
- 2021 Water Supply Overview
- BVRRB Supply Check-in
- 2022 Operating Plan Preview

Water Banking & Exchange Program Update

- Program Balances
- Dry Year Storage
- AVEK High Desert Water Bank

Drought Classification

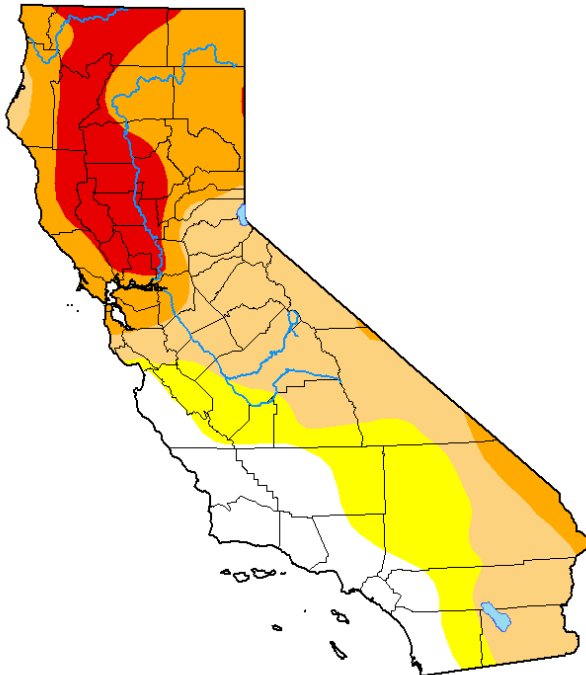
Intensity



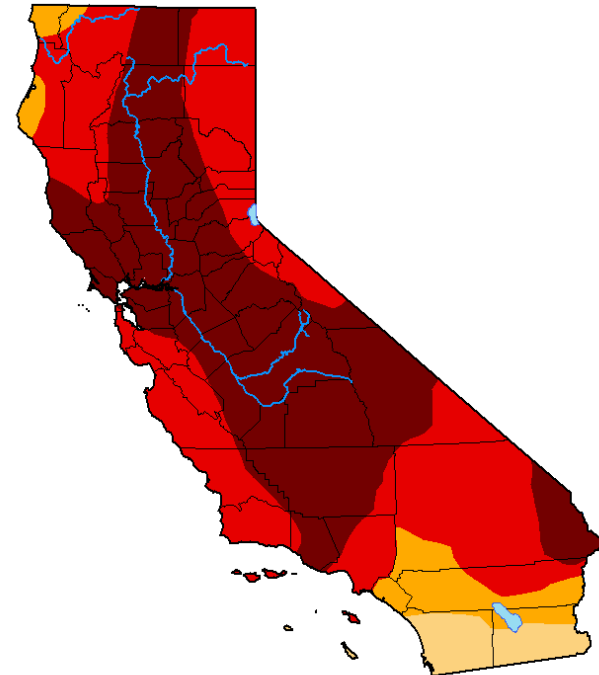
Start of 2021 Water Year

To Date – August 17, 2021

September 29, 2020



August 31, 2021



U.S. Drought Monitor California

July 29, 2014

(Released Thursday, Jul. 31, 2014)

Valid 8 a.m. EDT

August 31, 2021

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	100.00	81.89	58.41
Last Week <i>7/22/2014</i>	0.00	100.00	100.00	100.00	81.89	36.49
3 Months Ago <i>4/29/2014</i>	0.00	100.00	100.00	96.01	76.68	24.77
Start of Calendar Year <i>1/23/2013</i>	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year <i>10/1/2013</i>	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago <i>7/30/2013</i>	0.00	100.00	98.23	93.86	0.00	0.00

Intensity:

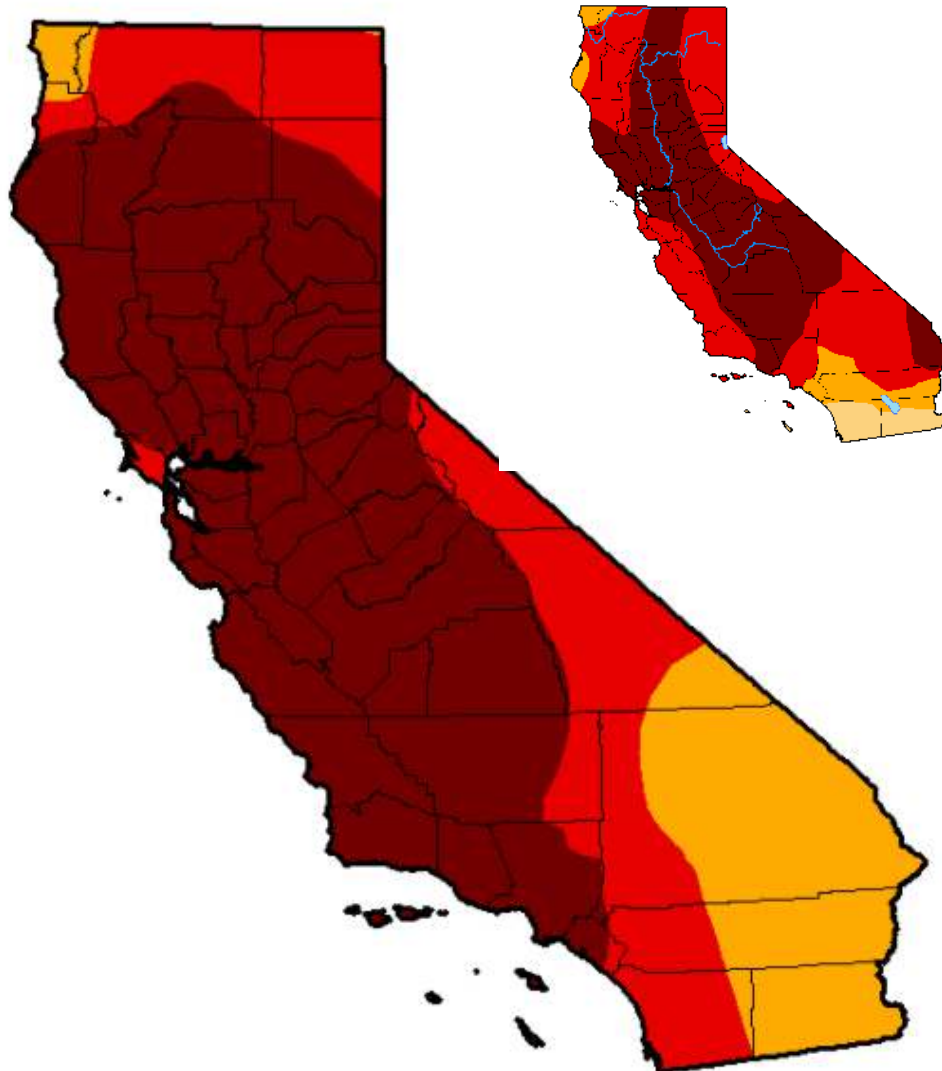


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

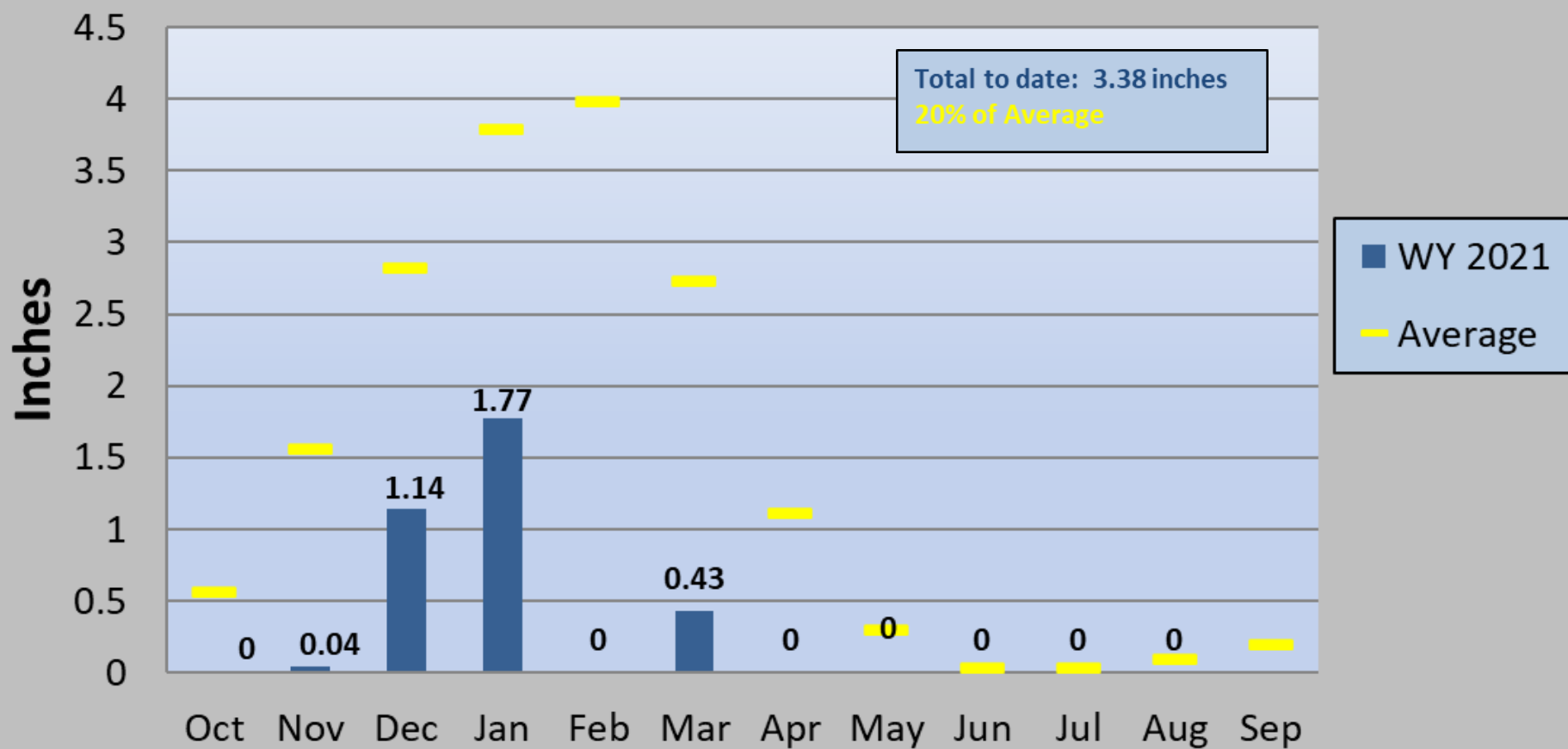
Author:

Brad Rippey

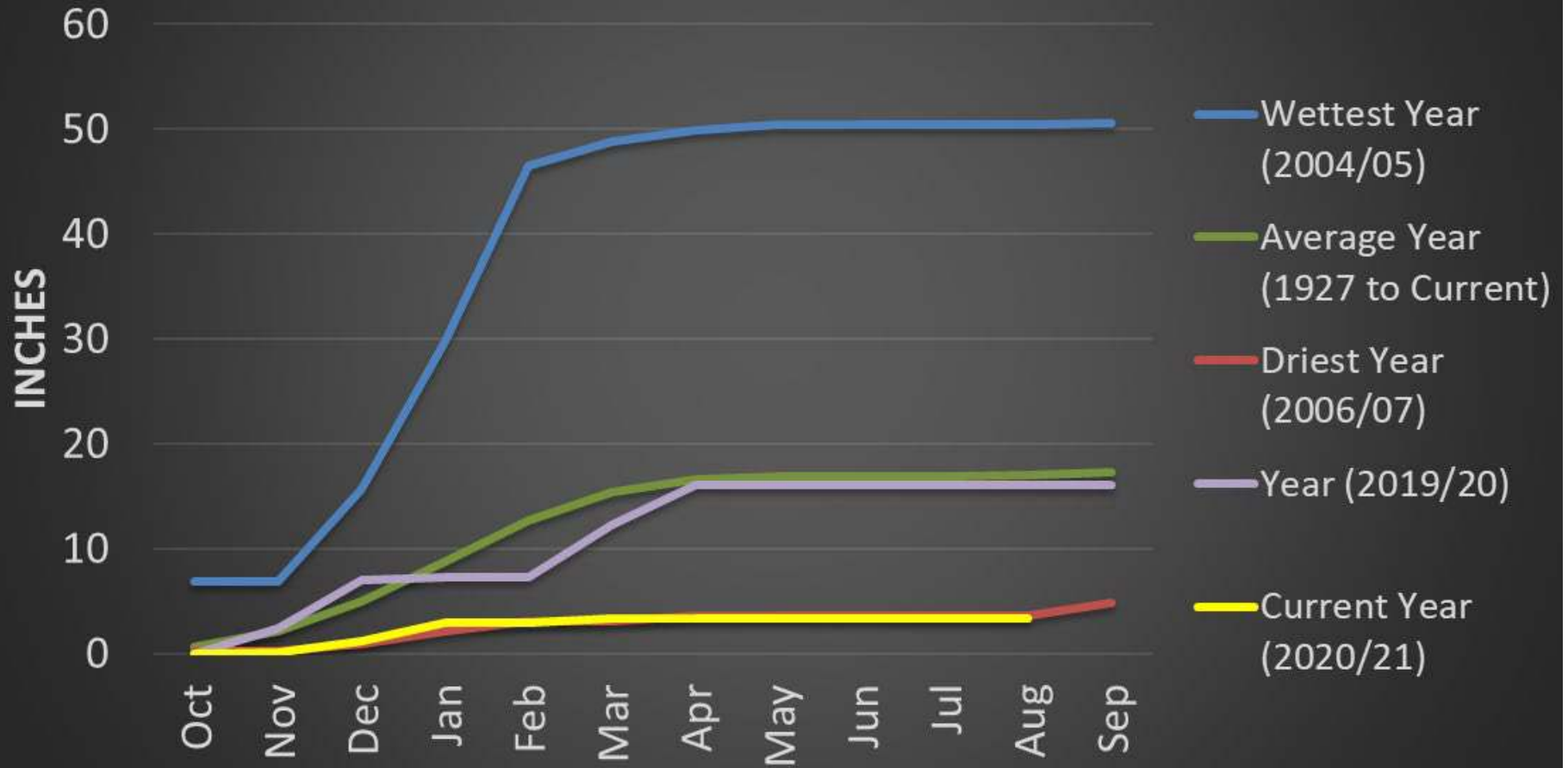
U.S. Department of Agriculture



SCV Precipitation Water Year 2021

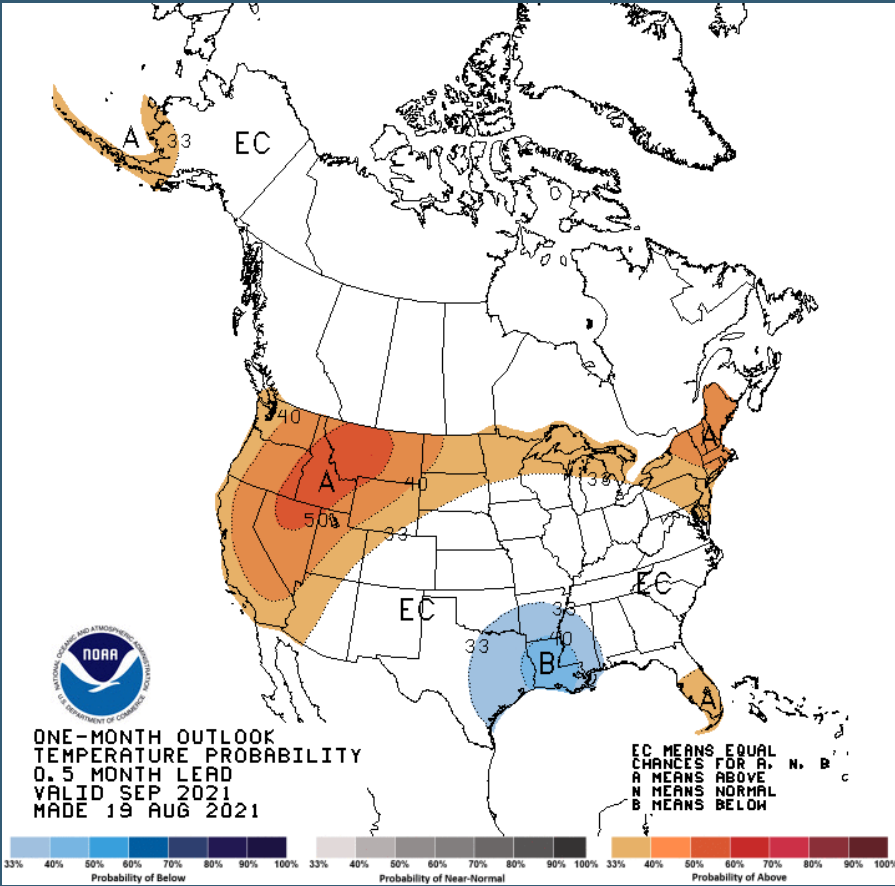


SCV Historical Rainfall

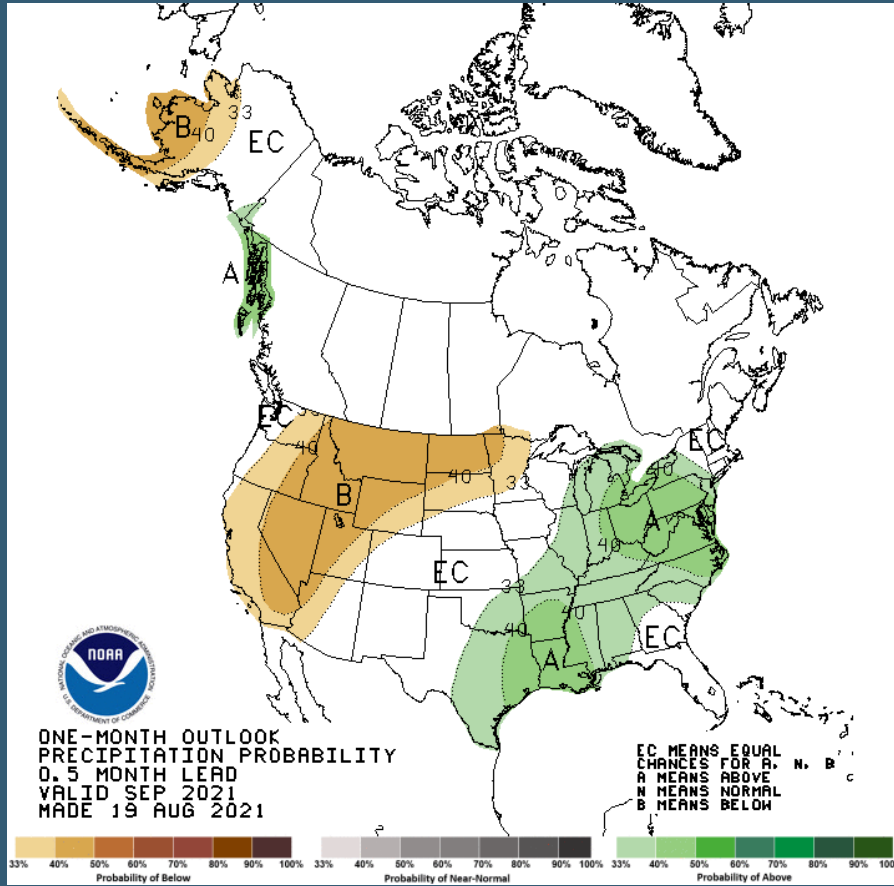


One Month Outlook (September)

Temperature

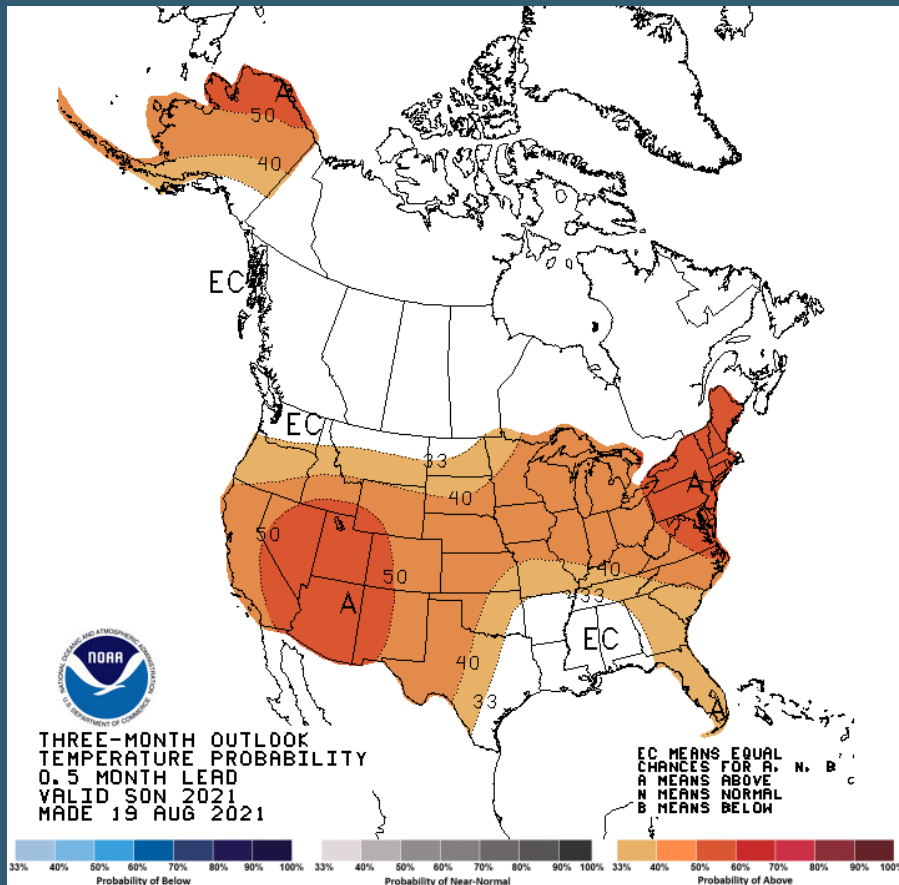


Precipitation

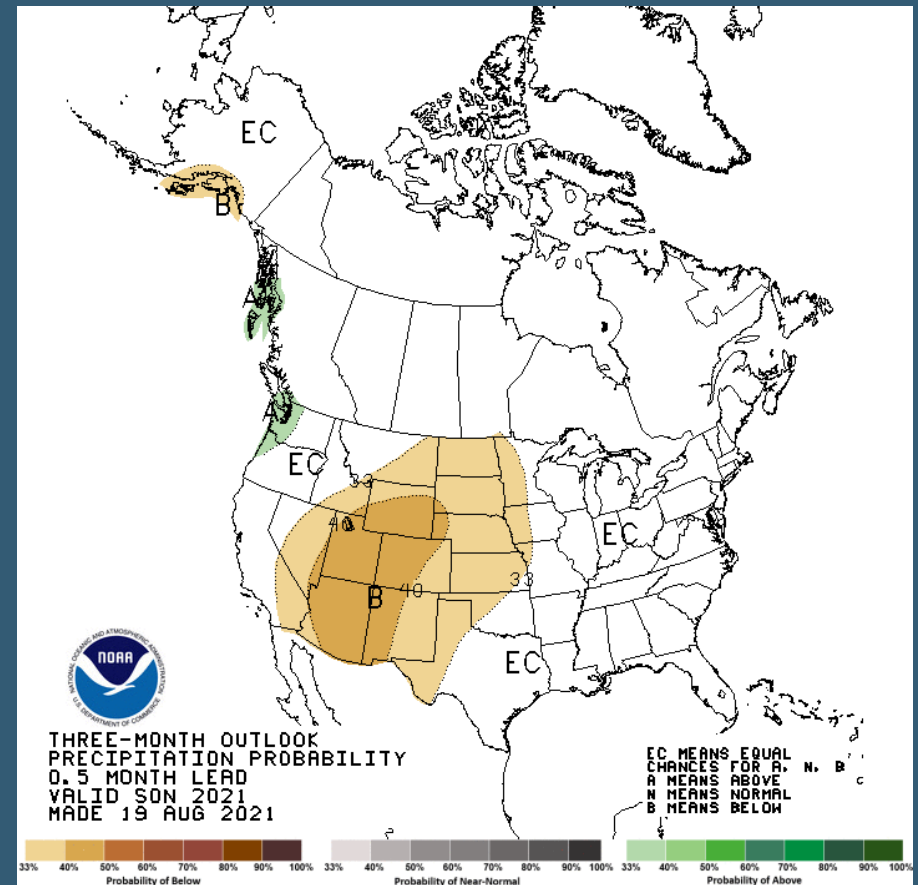


Three Month Outlook (Sep, Oct, Nov)

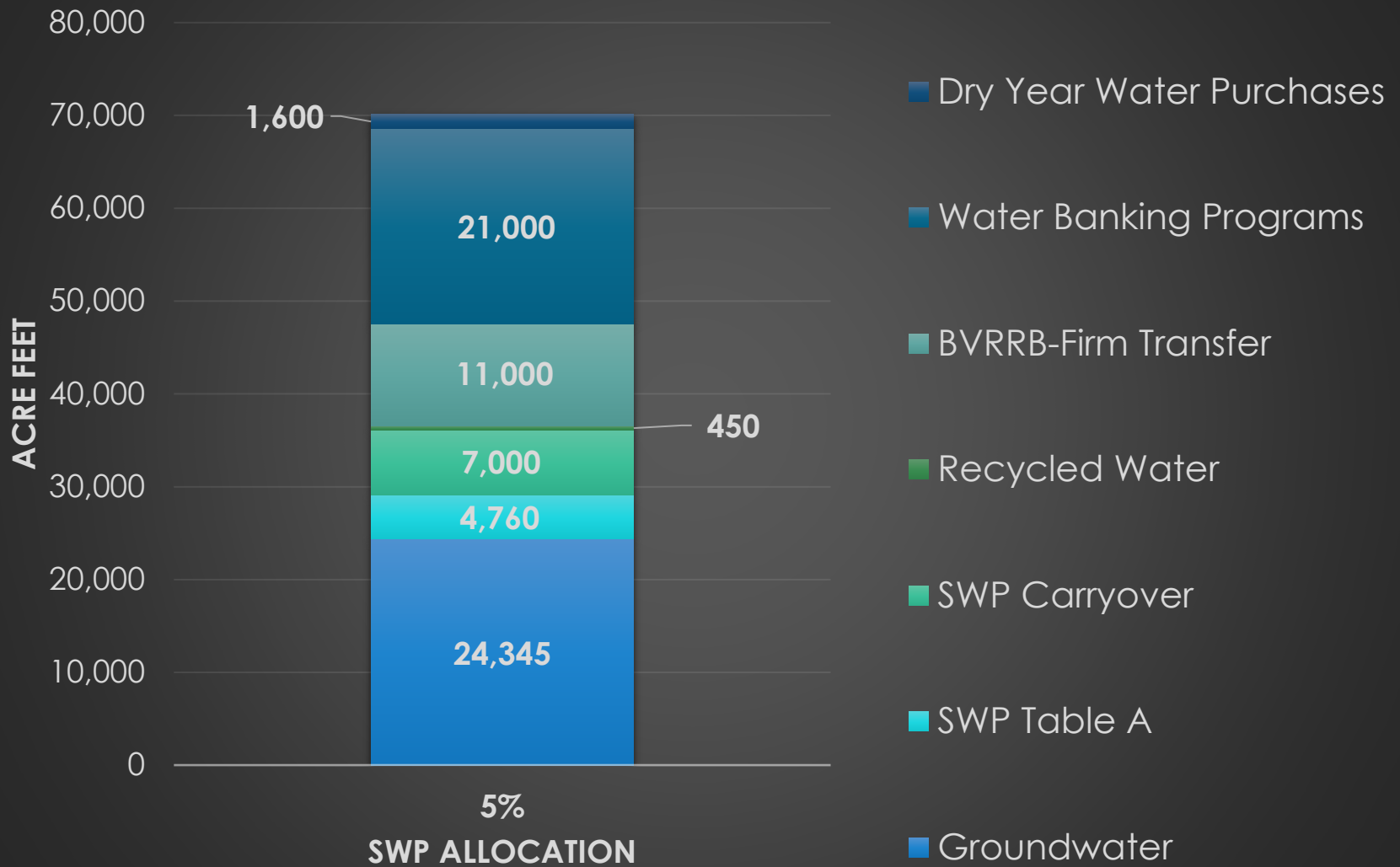
Temperature



Precipitation



2021 Operating Plan (70,000 AF)



2021 Monthly Deliveries

2021 Water Supply Sources vs. Estimated Demand (70,000 AF)



BVRRB Supply Check-in



- Firm Supply - 11,000 AFY
- Program began 2007
 - Assumes 1-5 critical years (SWP allocation <15%)
 - 2 Critical years (2014 & 2021)
 - 3 recharge years (avg 54 TAF/Y)
- Kern Fan Monitoring Committee (KFMC)
 - 2017 last report
 - Update in progress for 2020

2022 Operating Plan

Preliminary Assumptions

- Dry or critical year
- Initial SWP allocation 0%
- La Nina conditions 70%
- SCV Water will need to use dry year supplies
- Analyzing if additional management actions may be needed for 0% allocation

Planning

- Staff preparing 2022 Water Order
- DWR also requested minimum water demand data

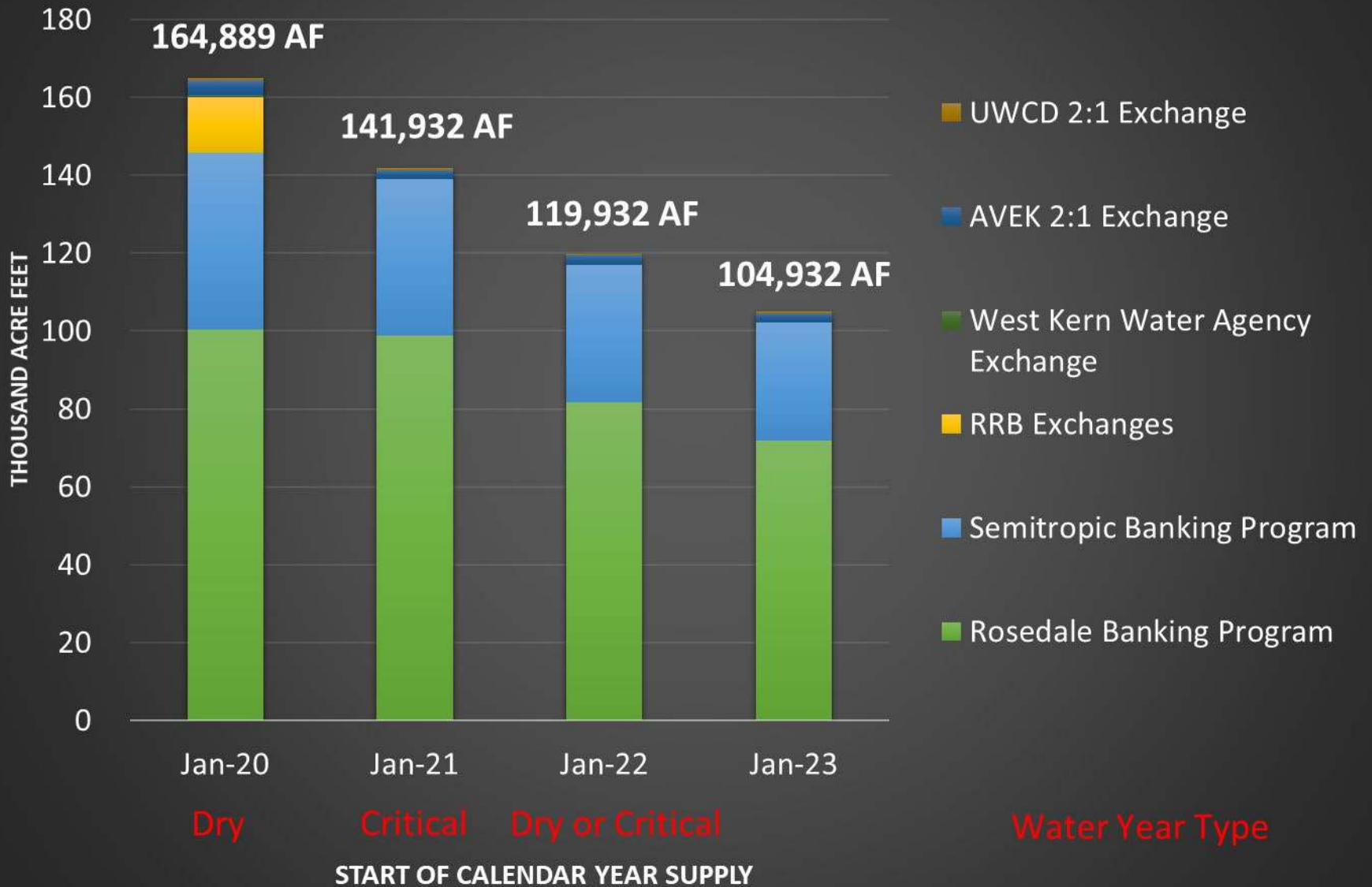


Banking and Exchange 2022 Balances

- Banking Programs
 - Rosedale-Rio Bravo Water District – 81,810 AF
 - Semitropic Water Storage District (Stored Water Recovery Unit) – 35,278 AF
- Exchange Programs
 - AVEK 2:1 (2019) – 2,344 AF
 - United Water Conservation District 2:1 (2019)- 500 AF



Dry Year Storage Use Estimates



AVEK Banking Update

- May have ability to start storing wet year water now
- Expect MOU for Phase 2 High Desert Water Bank – next month
- Potential to join in Phase 1 with MET
 - Increasing project costs give opportunity for SCV Water to fill gap
 - Phase 1 would be operational in 3 years vs Phase 2 (2029-2030)





Questions?