



# Status of Water Supplies

Water Resources and Watershed Committee  
January 13, 2021  
Item 2.2

# Overview

## Water Supply Update

- 2020 Water Supply
- 2021 Update
  - Drought Classification
  - Precipitation
  - Weather Forecast
- 2021 Operating Plan
  - Storage Estimates
  - Budget Considerations



# 2020 Water Supply Overview

- About Average Precipitation for Santa Clarita
- Dry Year Classification (statewide)
- 20% Allocation
- Local Water Quality Challenges



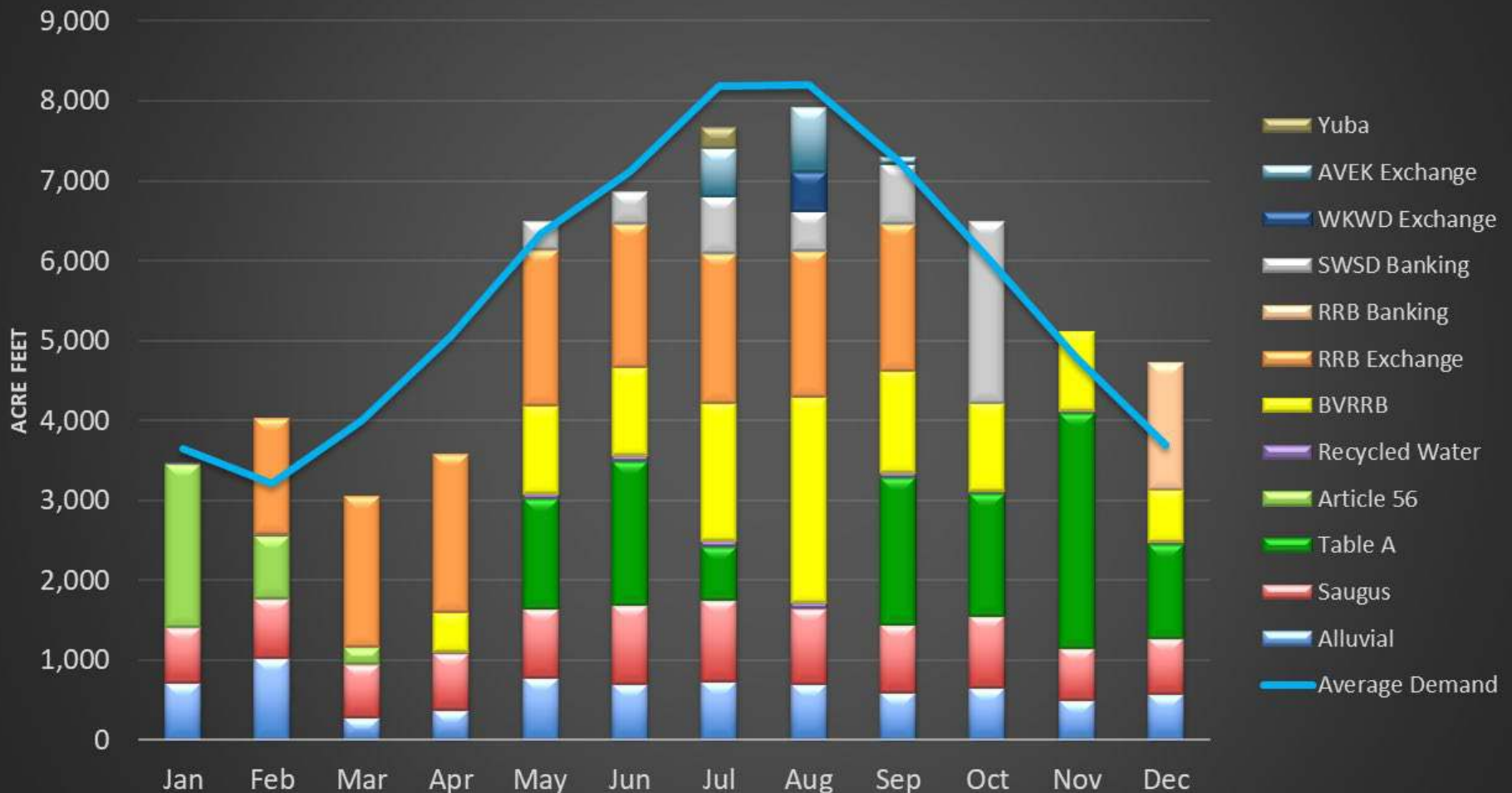
# 2020 vs. Historical Demands

## SCV Water Supplies & Demands

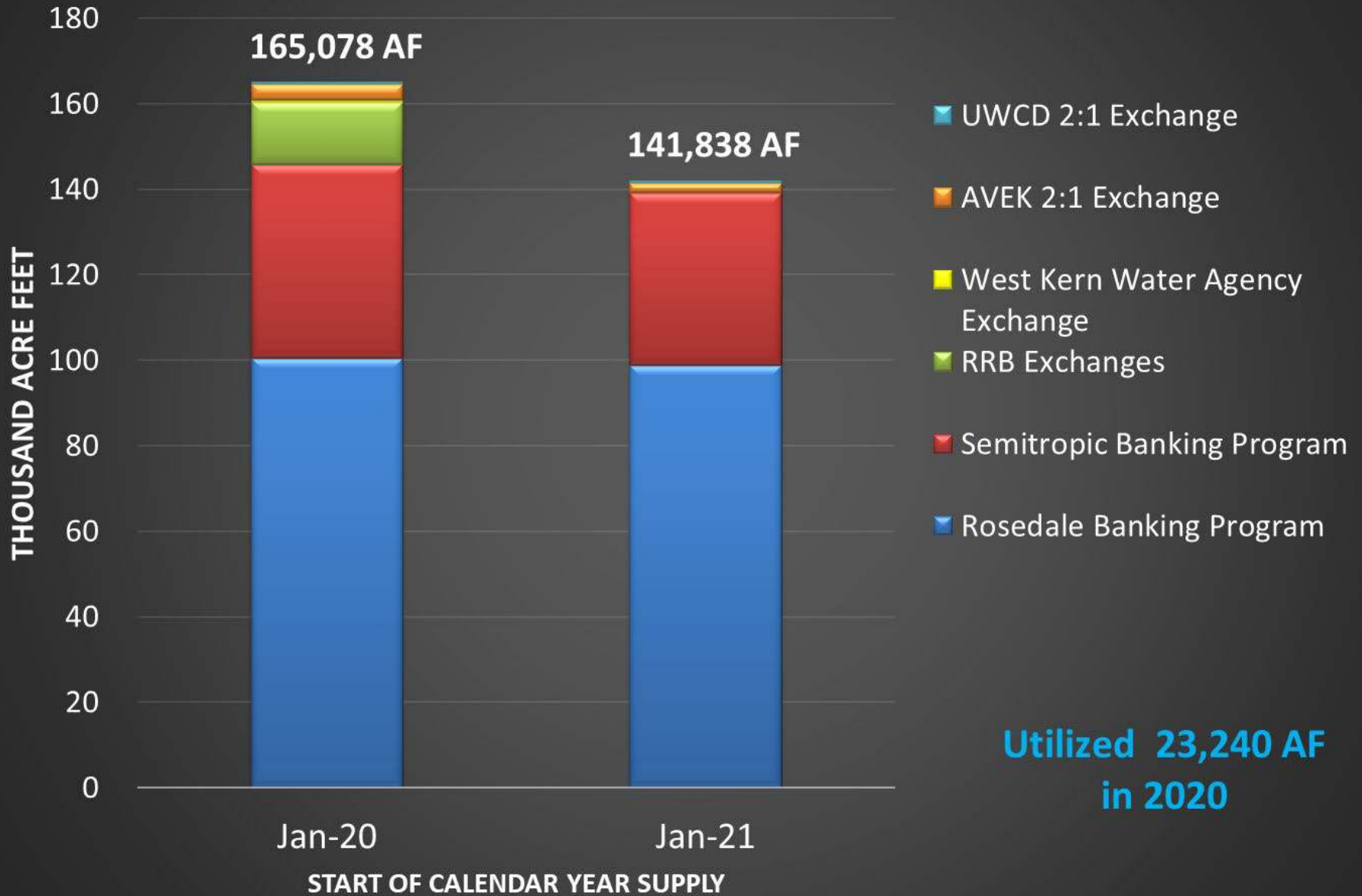


# 2020 Supply & Demands

## 2020 Monthly Water Supply Sources vs. Average Demand



# Dry Year Storage Use in 2020





**It's time to forget  
the past and celebrate  
a new beginning.**

*Happy new year*

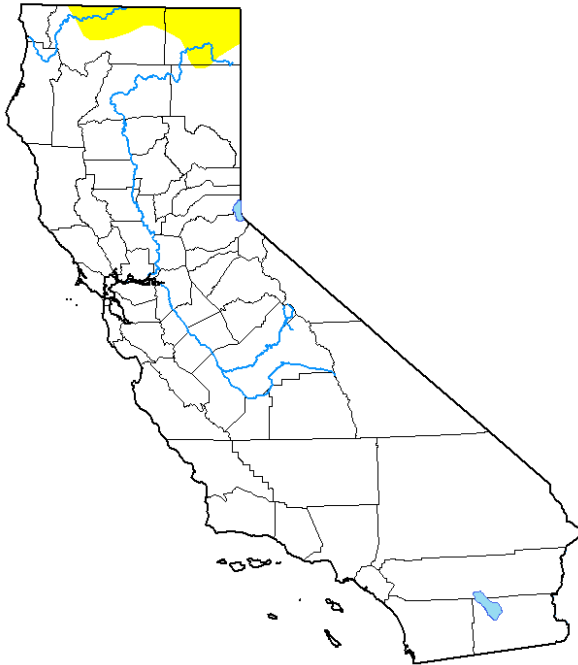
**2021 Water Supply Update**

# 2021 Drought Classification

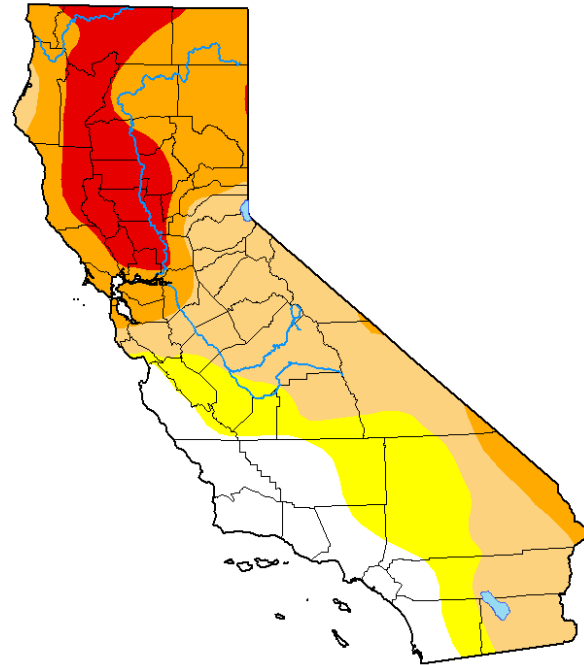
Jan. - One Year Ago

2021 Water Year

January 7, 2020



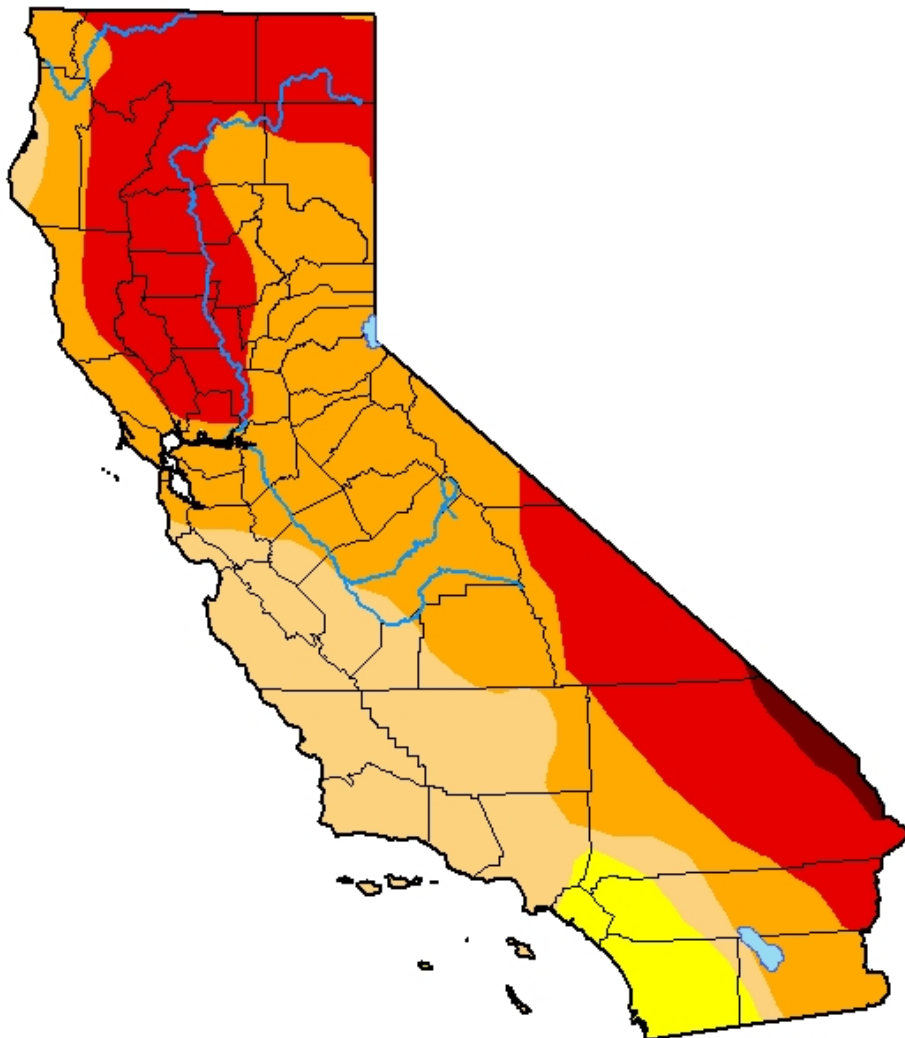
September 29, 2020











# U.S. Drought Monitor California

January 5, 2021  
(Released Thursday, Jan. 7, 2021)  
Valid 7 a.m. EST



### 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>*

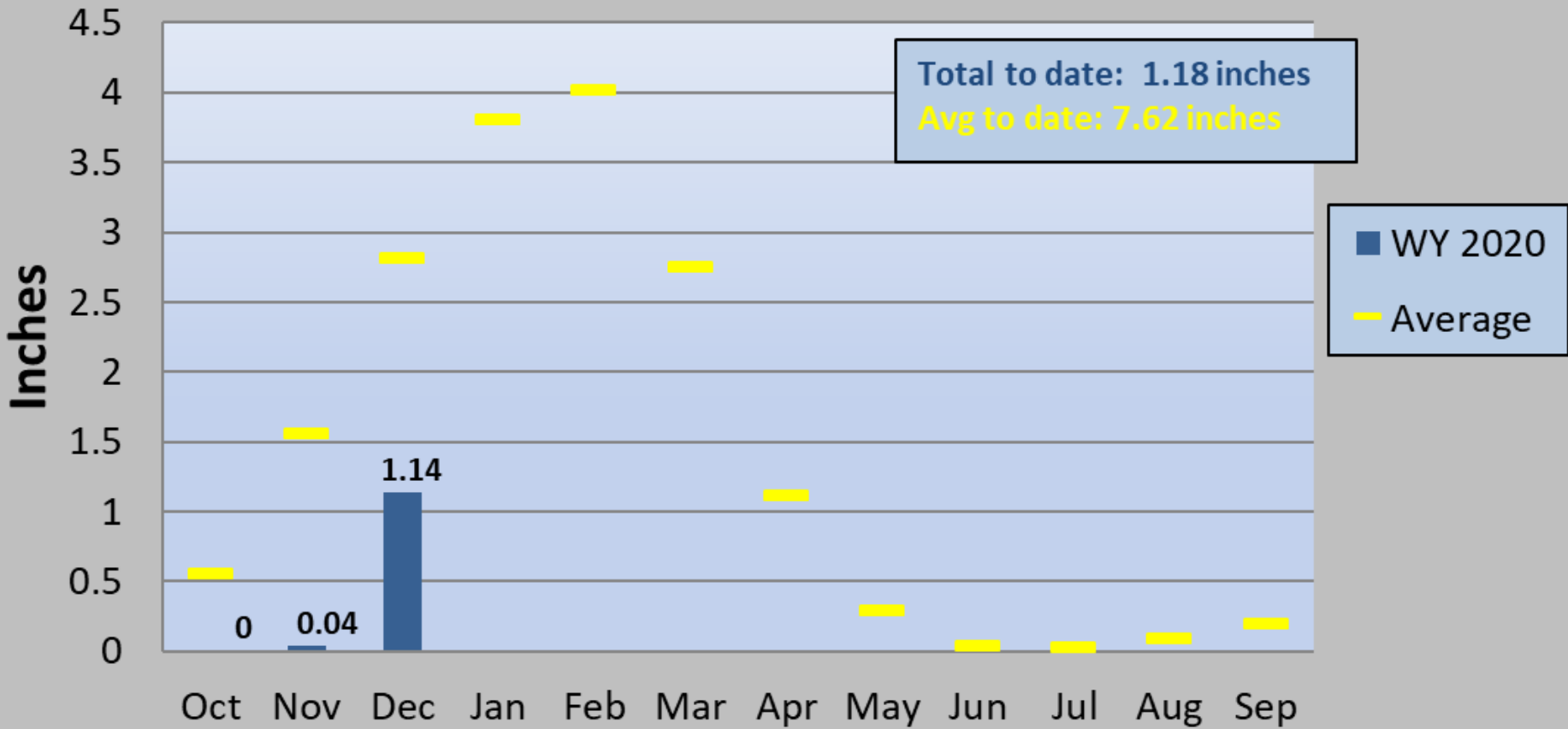
### Author:

Deborah Bathke  
National Drought Mitigation Center

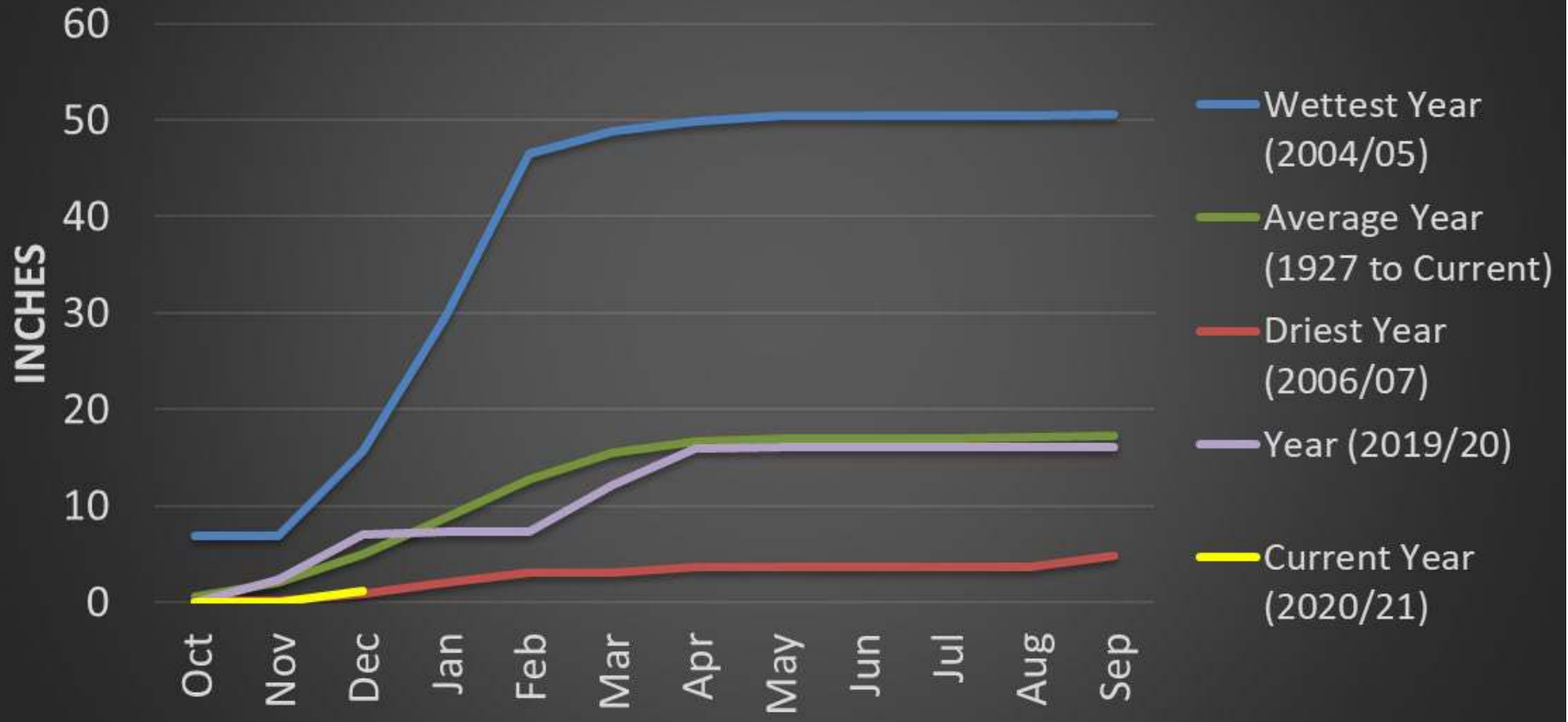


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# SCV Precipitation Water Year 2021



# SCV Historical Rainfall





# Statewide Summary of Snow Water Content

## Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of January 7, 2021	
Number of Stations Reporting	32
Average snow water equivalent (inches)	7.4
Percent of April 1 Average (%)	26
Percent of normal for this date (%)	62

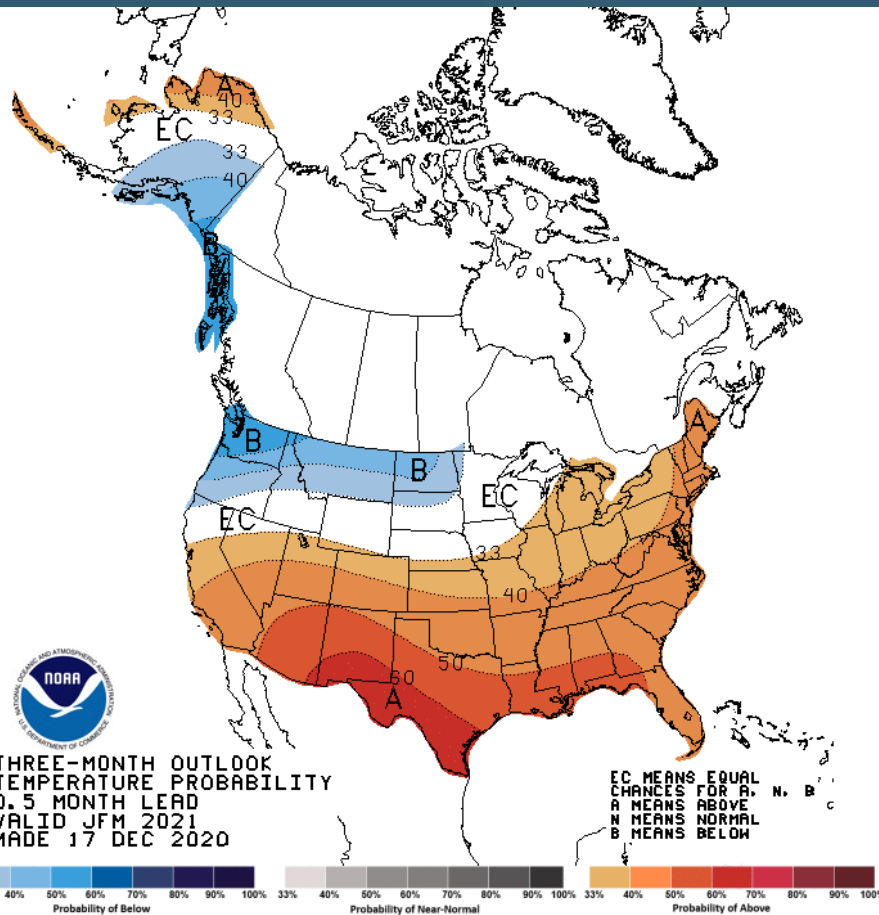
CENTRAL	
Data as of January 7, 2021	
Number of Stations Reporting	44
Average snow water equivalent (inches)	7.0
Percent of April 1 Average (%)	24
Percent of normal for this date (%)	58

SOUTH	
Data as of January 7, 2021	
Number of Stations Reporting	27
Average snow water equivalent (inches)	2.9
Percent of April 1 Average (%)	12
Percent of normal for this date (%)	32

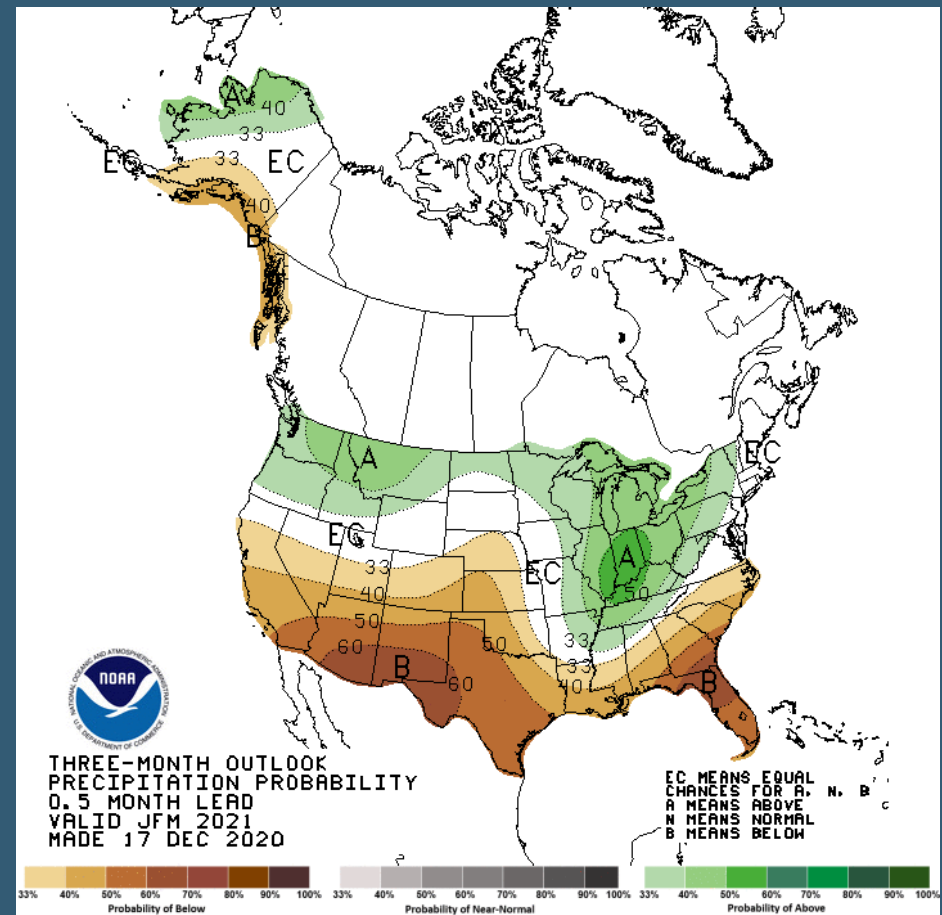
STATE	
Data as of January 7, 2021	
Number of Stations Reporting	103
Average snow water equivalent (inches)	6.1
Percent of April 1 Average (%)	21
Percent of normal for this date (%)	52

# Three Month Outlook (Jan-Mar)

## Temperature

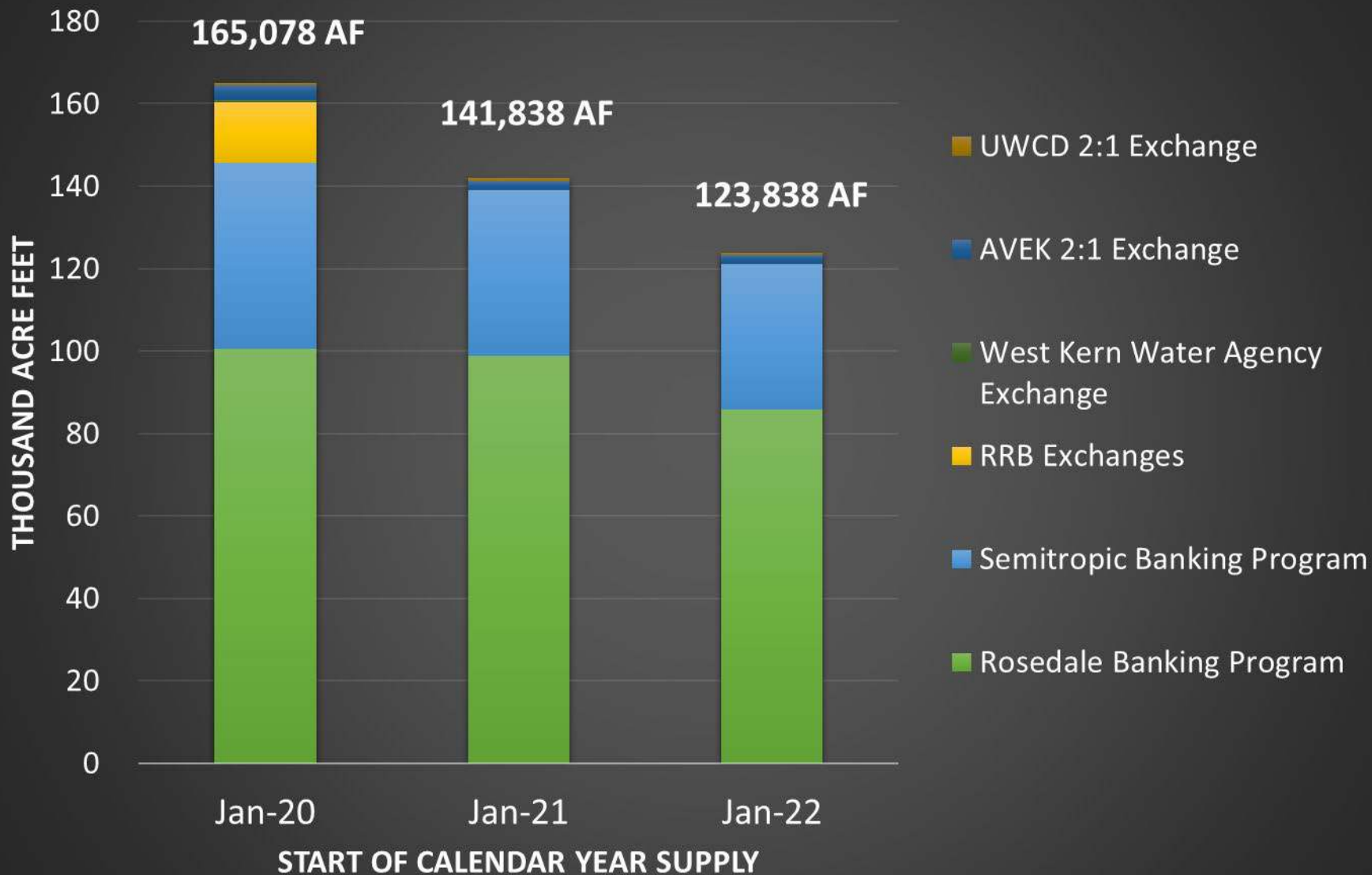


## Precipitation



2021 Operating Plan (Acre-Feet)	2021 5% SWP Allocation	2021 10% SWP Allocation	2021 30% SWP Allocation	2021 50% SWP Allocation	2022 5% SWP Allocation
<b>Demand</b>	<b>70,000</b>	<b>70,000</b>	<b>70,000</b>	<b>70,000</b>	<b>71,100</b>
Groundwater <sup>1</sup>	24,345	24,345	24,345	24,345	30,000
Alluvium	12,345	12,345	12,345	12,345	13,000
Saugus	12,000	12,000	12,000	12,000	17,000
Recycled Water	450	450	450	450	1,480
<b>Imported Demand</b>	<b>45,205</b>	<b>45,205</b>	<b>45,205</b>	<b>45,205</b>	<b>39,620</b>
<b>Imported Supplies</b>					
SWP Table A	4,760	9,520	28,560	47,600	4,760
BVRRB	10,999	11,000	11,000	11,000	11,000
<b>Total Available Imported Supplies</b>	<b>15,759</b>	<b>20,520</b>	<b>39,560</b>	<b>58,600</b>	<b>15,760</b>
Excess Imported Supplies (neg = shortfall)	(29,446)	(24,685)	(5,645)	13,395	(23,860)
<b>Dry Year Water Supplies</b>					
SWP Carryover Delivered (not always guaranteed)	7,000	7,000	5,645		6,500
Devil's Den Delivery				1,500	
Rosedale Banking	13,000	10,685			10,000
Semitropic Enhanced Recovery Unit (Banking)	5,000	5,000			5,000
AVEK and or UWCD Exchange					
Yuba Accord	1,000	1,000			1,000
Dry Year Water Purchase	1,000	1,000			
Semitropic Banking Program - Newhall Land					
Nickel Water - Newhall Land					
Water Sales				(5,500)	
Flexible Storage (up to 6,060 AF)	2,446				1,360
2021 SWP Carryover into 2022	0	0	0	9395	0
<b>Total Imported Supplies</b>	<b>45,205</b>	<b>45,205</b>	<b>45,205</b>	<b>63,995</b>	<b>39,620</b>

# Dry Year Storage Use Estimates 2021



# 2021 Dry Year Water Supply Budget Estimates

Dry Year Program	AF	\$/AF	Total Cost
Rosedale (RRB) Recovery	13,000	\$80	\$1,040,000
Semitropic (SWRU) Recovery	5,000	\$250	\$1,250,000
Dry Year Water Purchase	1,000	TBD	TBD
Yuba	1,000	\$447	\$447,000
<b>Total</b>	20,000		<b>\$2,737,000</b>



Questions?

