



**PALMDALE WATER DISTRICT**  
A CENTURY OF SERVICE

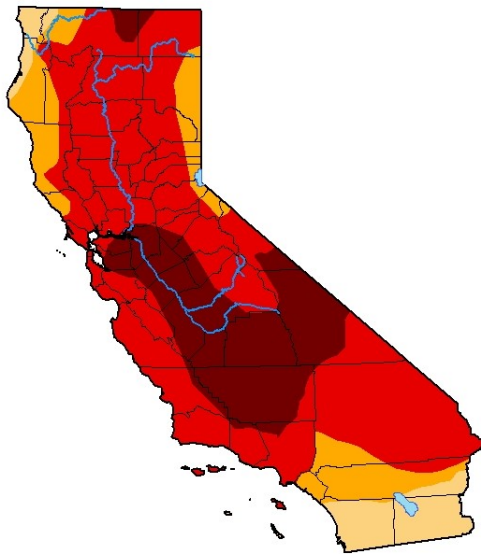
# 2022 Water Supply Status



# California Drought Status

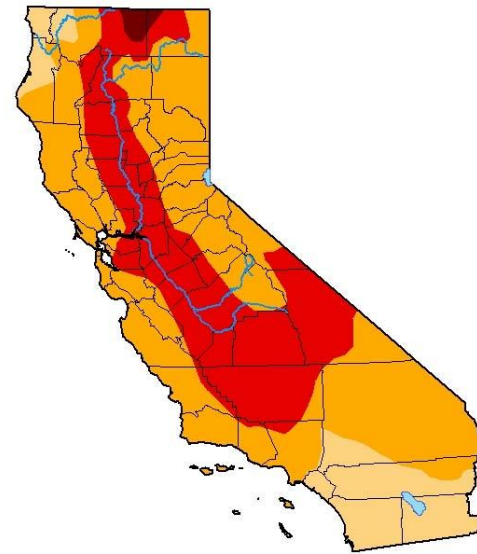
## U.S. Drought Monitor California

**December 21, 2021**  
(Released Thursday, Dec. 23, 2021)  
Valid 7 a.m. EST









## U.S. Drought Monitor California

**December 28, 2021**  
(Released Thursday, Dec. 30, 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>*

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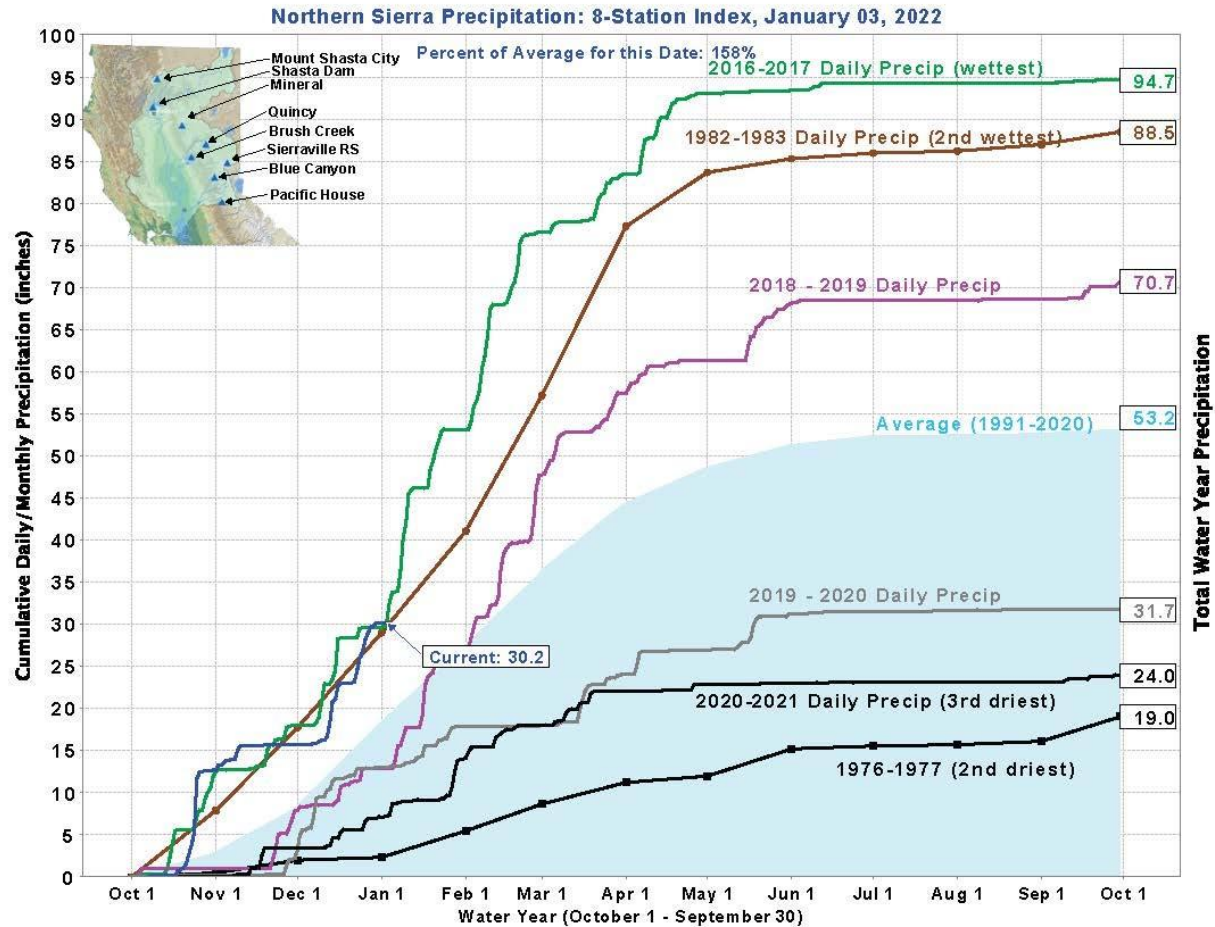


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



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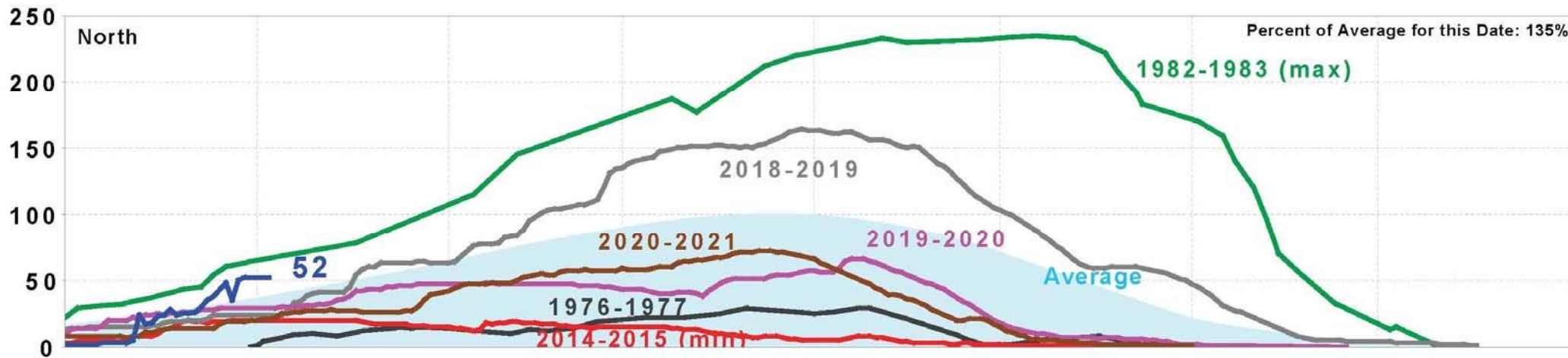
# California Drought Status Precipitation



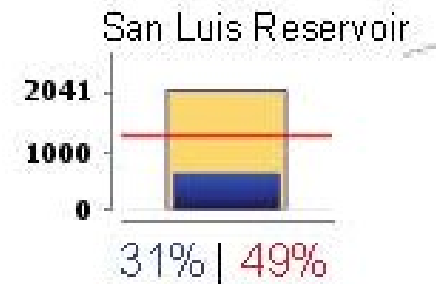
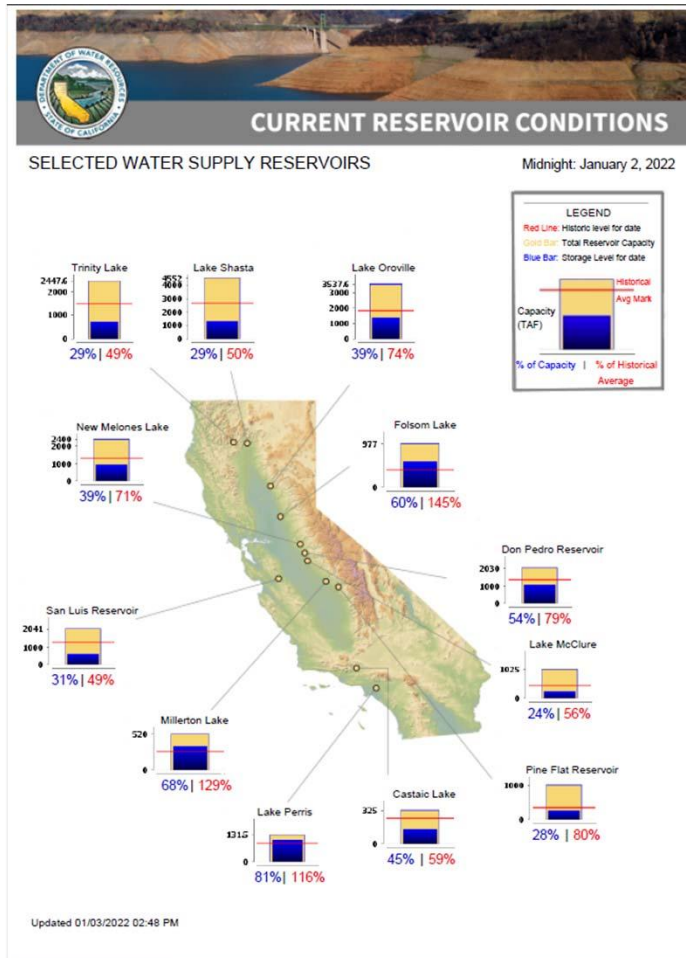
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# California Drought Status Snow Pack

California Snow Water Content, January 3, 2022, Percent of April 1 Average



# California Drought Status Reservoirs



# PWD Supplies -Groundwater

- 17,000 AF combined rights available in 2022.
- 8,000-11,000 Accessible in 2022.



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# PWD Supplies -Littlerock

Total in Storage and Available\*

- 1,300 AF in Storage
- 1,050 AF available for Use in 2022
- As of 01/03/21



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# PWD Supplies-State Water Project



Available in 2022 at a 0% Allocation

- 0 AF SWP Table A
- 500 AF of Carryover
- 0 AF of Butte Lease.



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# State Water Project-Exchanges

Totals Remaining (Totals Available at 0%)

- LCID CPOD- 3,450 AF (0 AF)
- AVEK- 3,000 AF (0 AF)
- KCWA- 3,300 AF (1,800 AF)
- Total- 9,750 AF (1,800 AF)



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# PWD Supplies for 2022 at 0% allocation



• Groundwater	8,000 AF
• Littlerock Dam	1,050 AF
• SWP Allocation/Carryover/Leases	500 AF
• SWP Exchanges	1,800 AF
• <b>Total</b>	<b>11,350 AF</b>
• 2020 Demand	20,500 AF
• <b>Shortage</b>	<b>9,150 AF</b>
• Demand with 15% Conservation	17,425 AF
• <b>Shortage</b>	<b>6,125 AF</b>



# Covering the Shortage

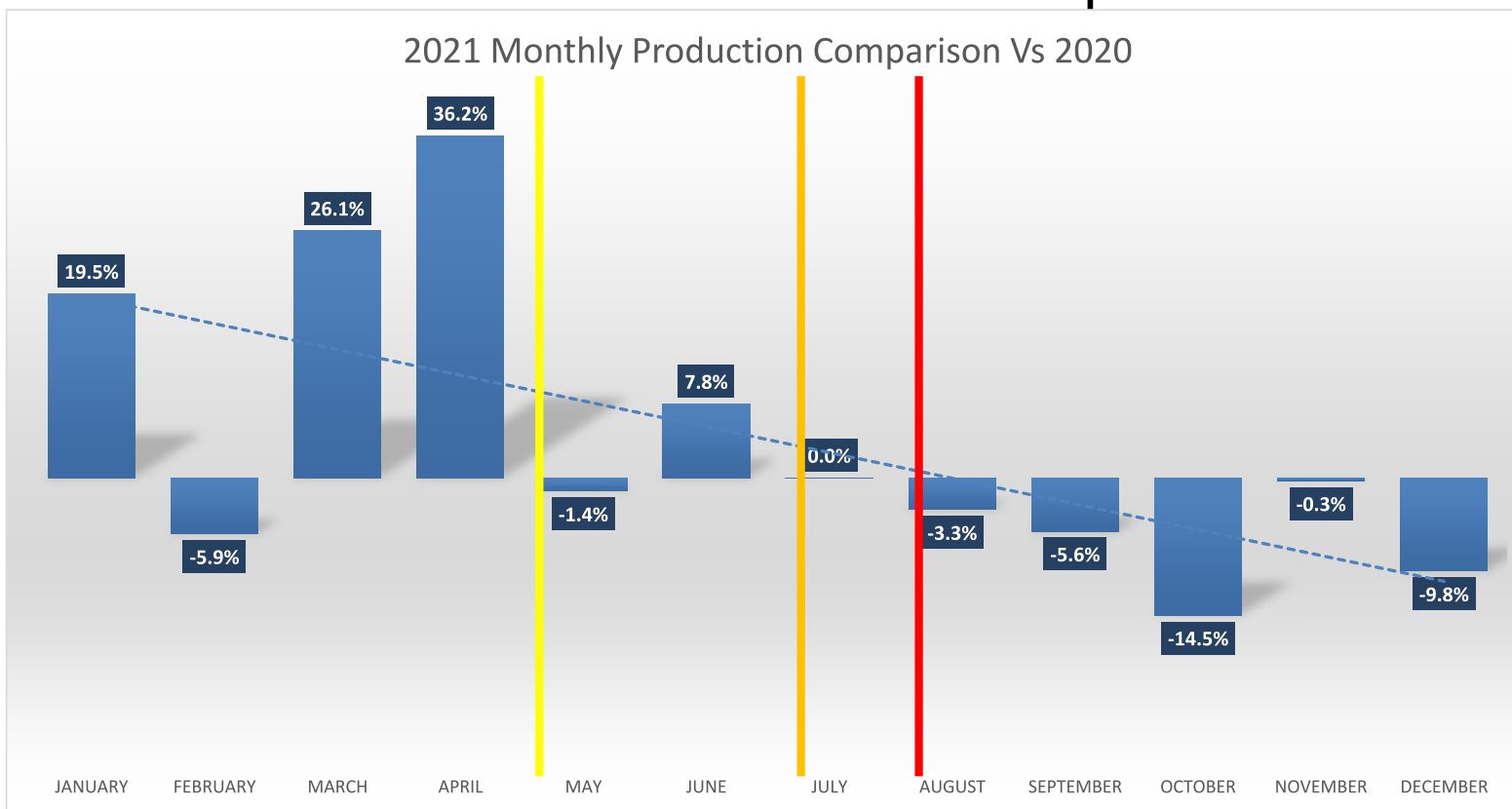
- Increase Access to Groundwater
- Improved SWP Allocation
- Improved Littlerock Dam Supply
- Dry Year Transfer Programs
- New SWP Transfers
- Increased Conservation Measures



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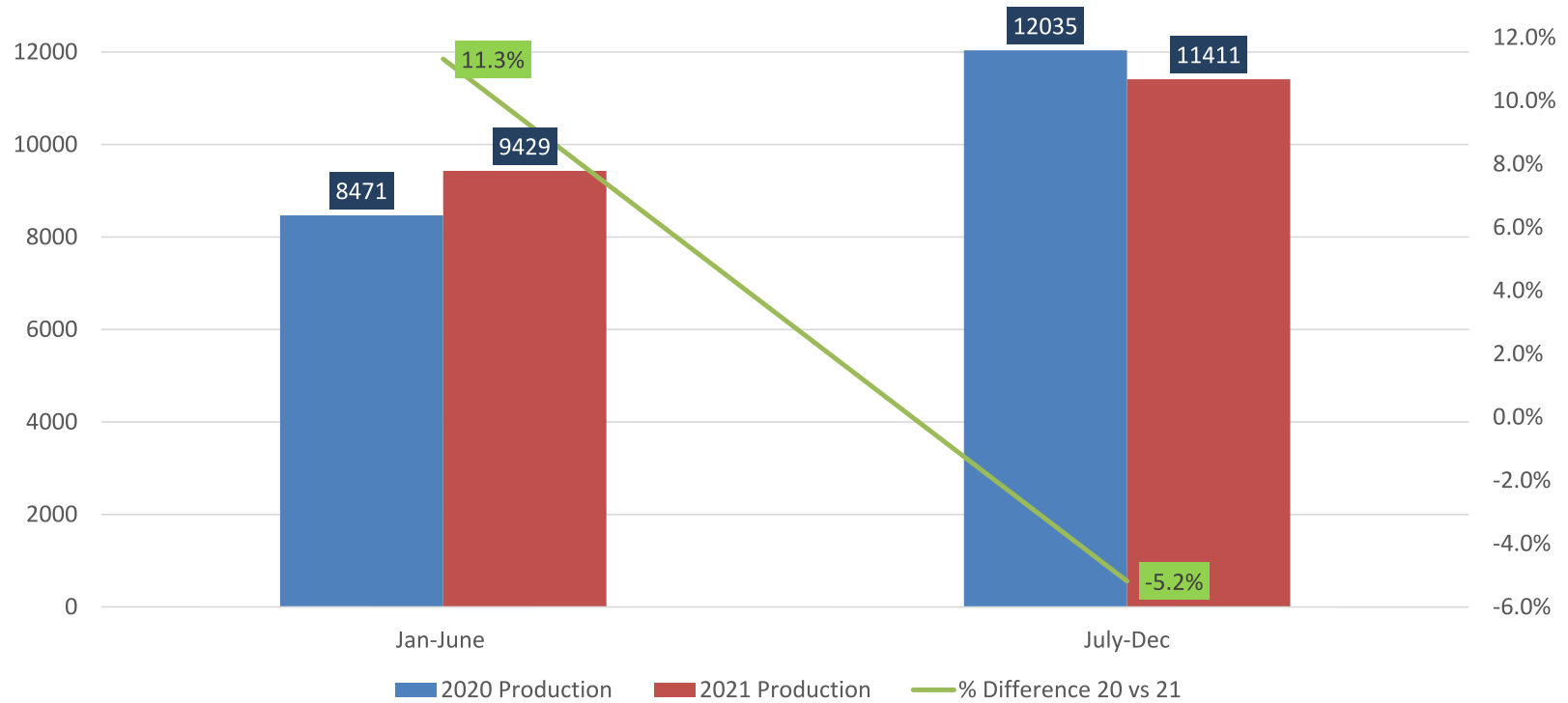
# Water Conservation-Update

- Yellow line Represents the WSCP Stage 1 Adoption
- Orange Line Represents the Governors 15% Request
- Red Line Represents WSCP Stage 2 Adoption



# Water Conservation-Update

Production Comparison: 1st and 2nd Halves of 2020 and 2021



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# Long Term Drought Resilience Strategies

- Local Ground Water Banking
- Improved Peak Groundwater Access
- Silt Removal from Littlerock Dam
- Leveraging Recycled Water
- SWP Banking



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**Thank you!**

