

# Basin Conditions Update

Water Operations Committee Meeting

Sept. 20, 2023



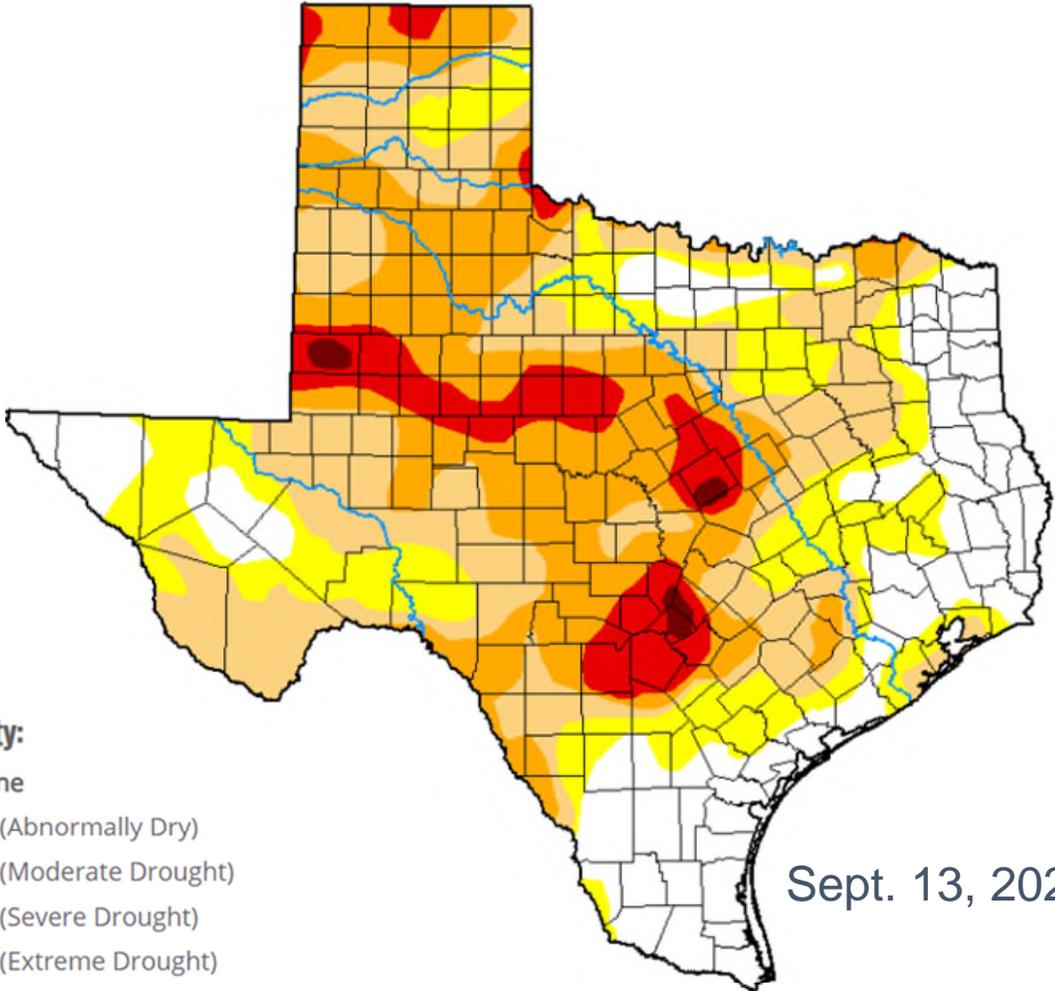
# U.S. Drought Monitor Texas

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>

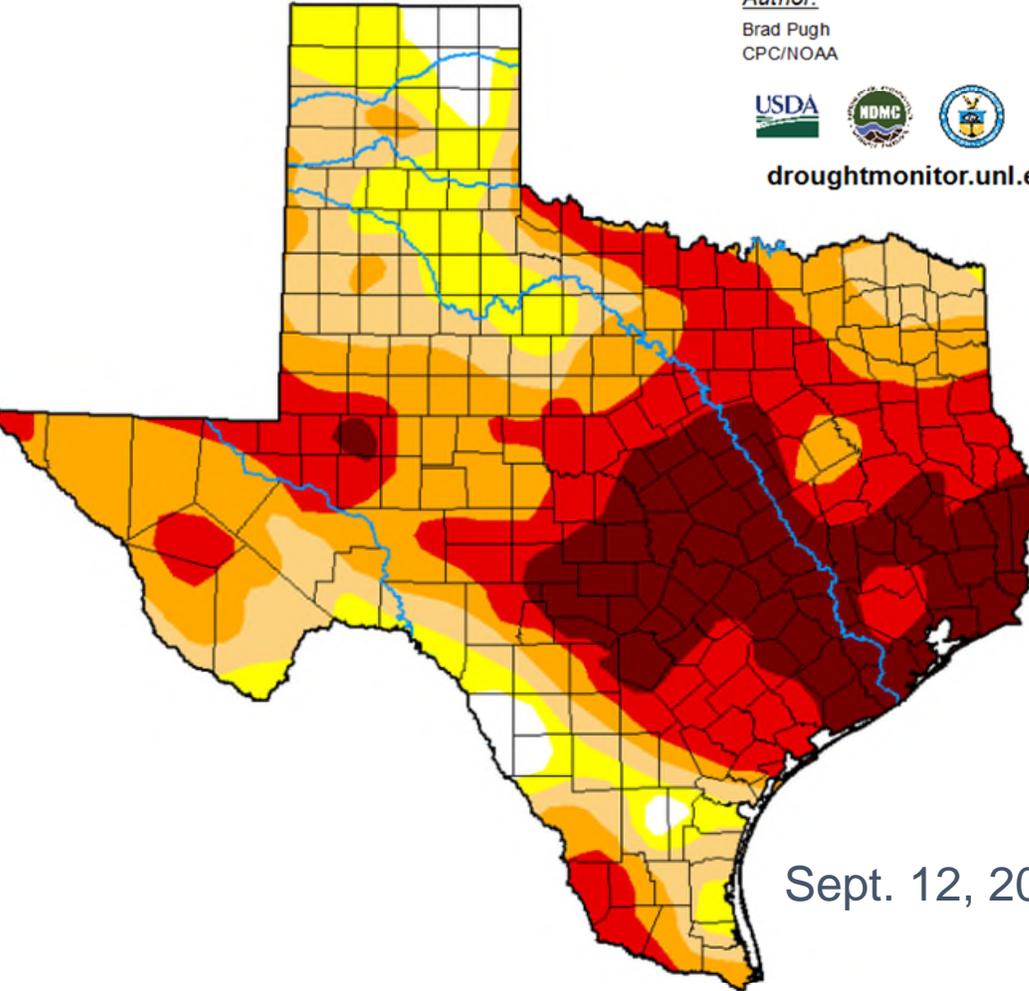
Author:  
Brad Pugh  
CPC/NOAA



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



Sept. 13, 2022



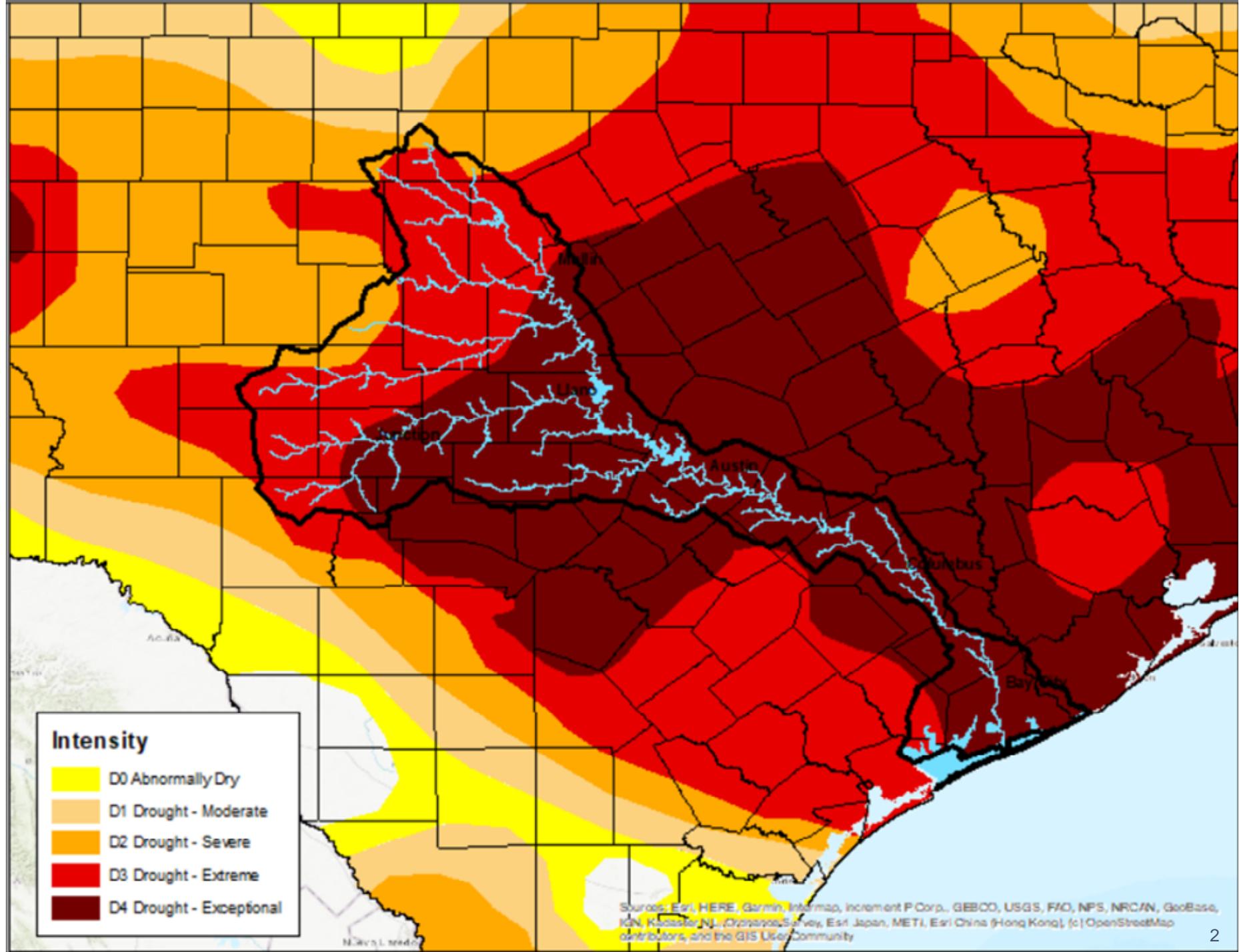
Sept. 12, 2023

- Intensity:**
- None
  - D0 (Abnormally Dry)
  - D1 (Moderate Drought)
  - D2 (Severe Drought)
  - D3 (Extreme Drought)
  - D4 (Exceptional Drought)
  - No Data

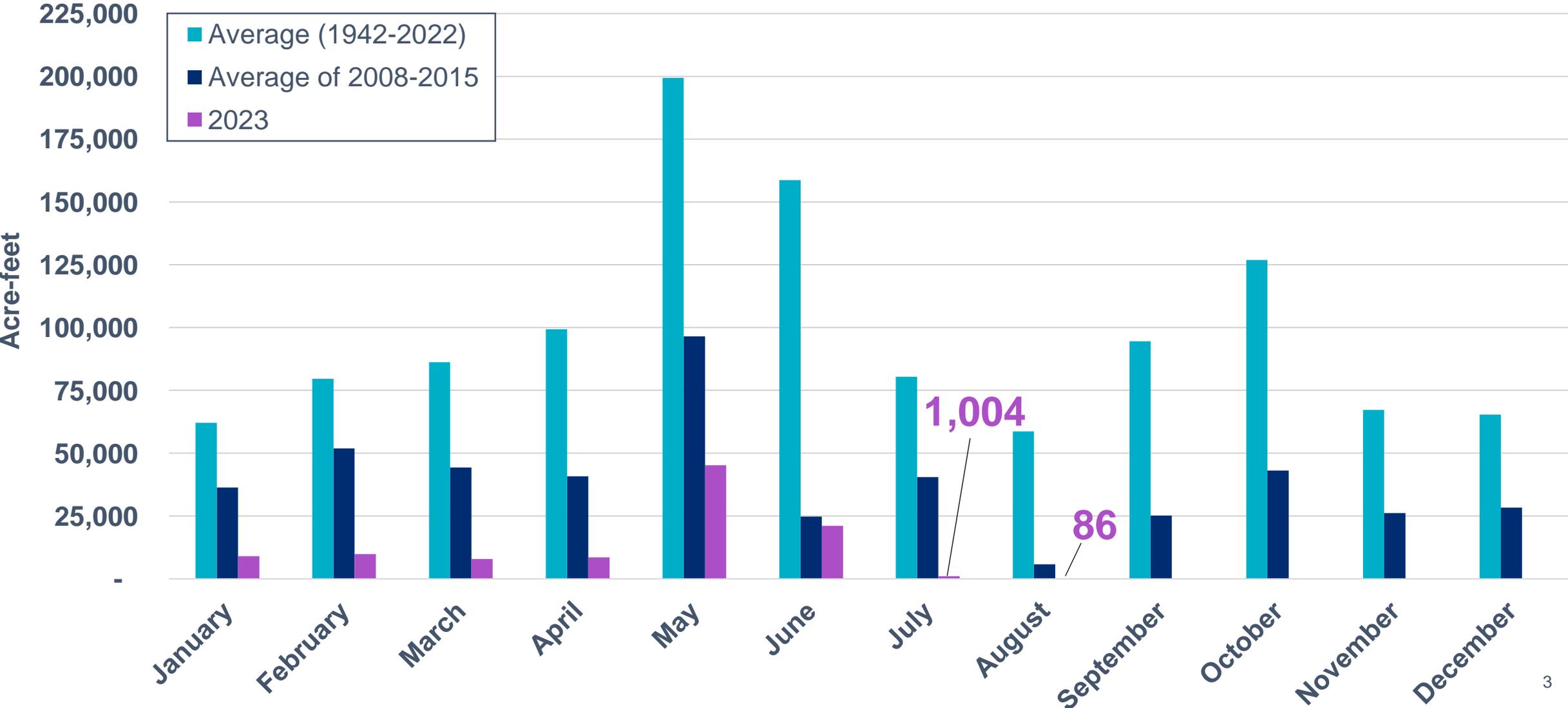
# U.S. Drought Monitor

## Lower Colorado River Basin

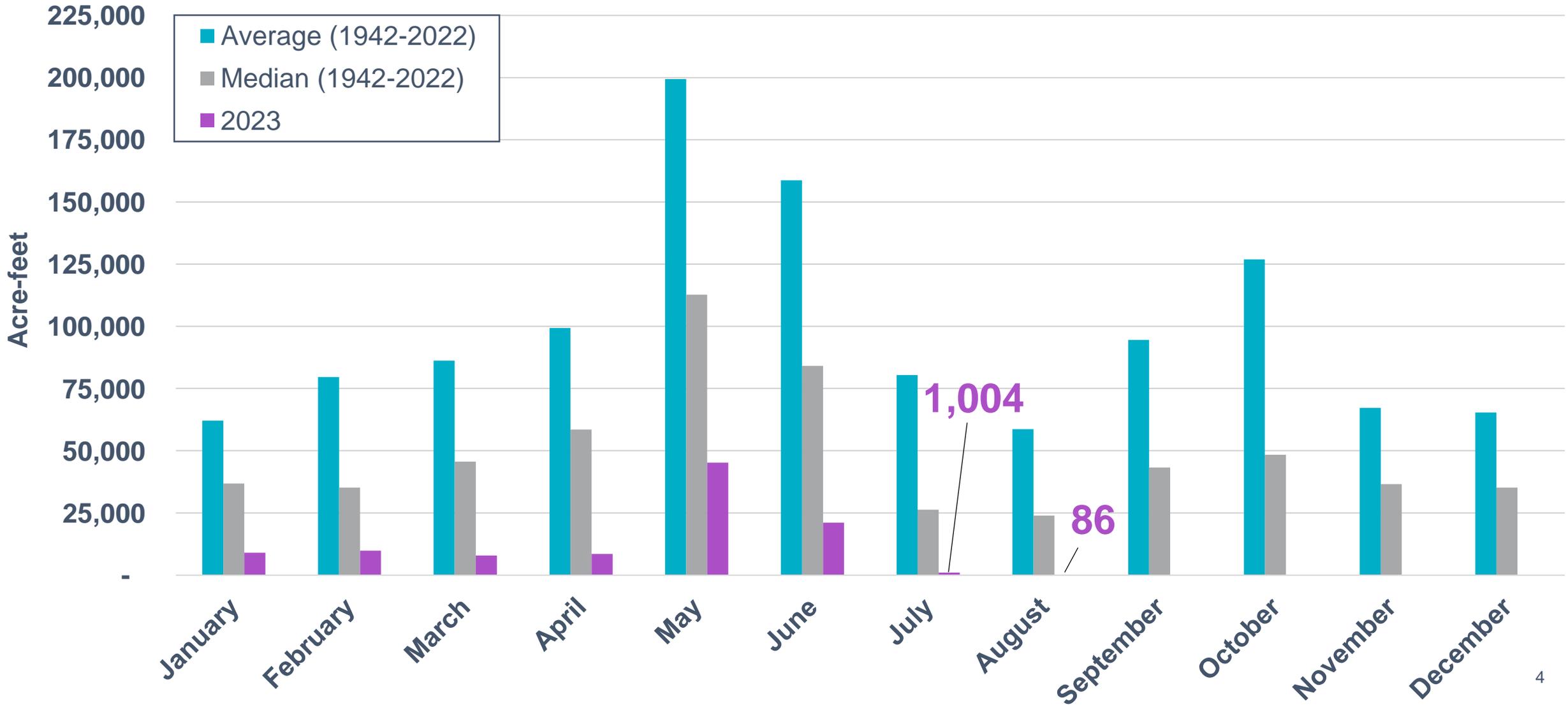
As of Sept. 12, 2023



# Water Flowing Into Lakes Buchanan and Travis



# Water Flowing Into Lakes Buchanan and Travis – Median



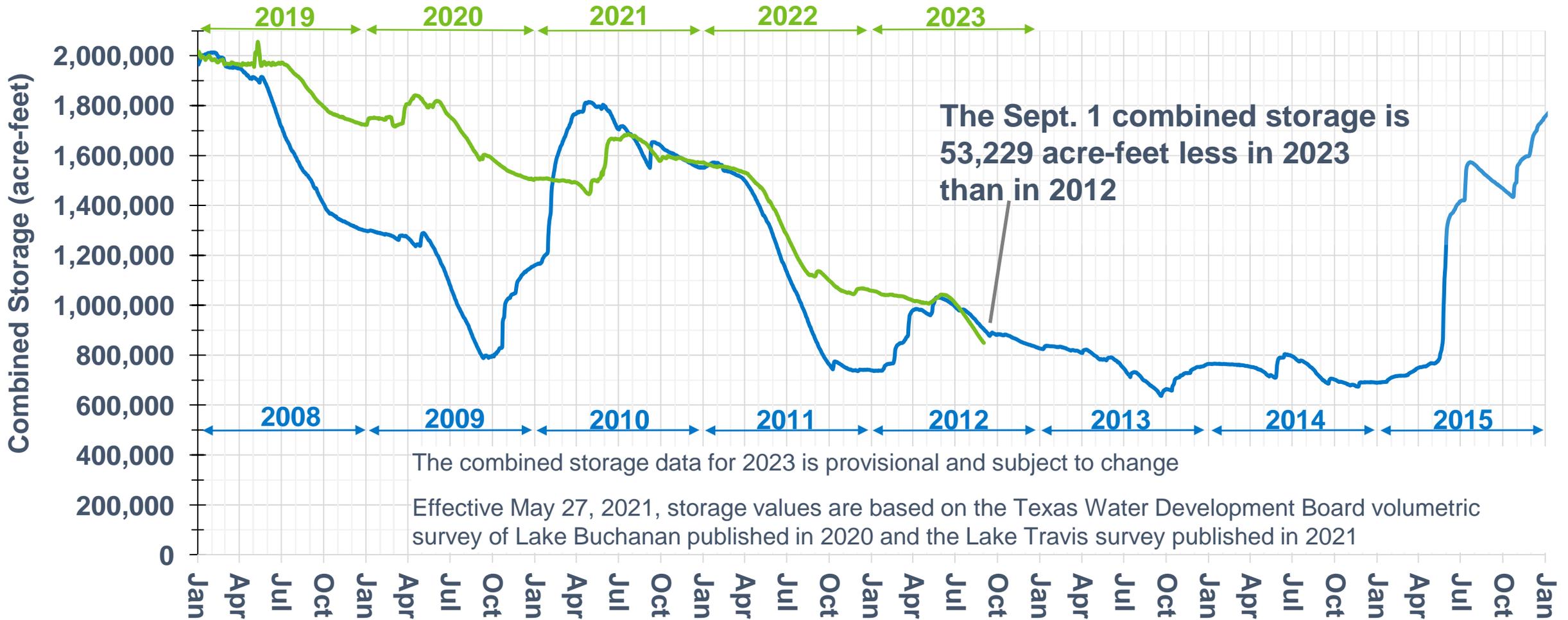
# Garwood Agricultural Division Calendar Year 2023 Acres and Water Use

As of Sept. 4, 2023

	First Season Rice	Second Season Rice	Row Crop	Wildlife	Pasture
Number of contracts	56	43	0	29	10
Number of contracts not serviced	0	0	0	0	1
Acres contracted	21,042.3	15,895.1	0	4,374.2	1
Acres contracted not serviced	1,029.4	249.7	0	2,757.3	10
Acres serviced	20,012.9	15,645.4	0	1,616.9	0
Water delivered (acre-feet) (Sum of the row includes 5,192 a-f of interruptible stored water)	45,575.7	18,912.5	0	816.4	0
Water use per acre (a-f per acre)	2.28	1.21	0	0.51	0
Number of contracts in surcharge	4	0	0	0	0

# Combined Storage of Lakes Buchanan and Travis

## Comparison of 2019-2023 and 2008-2015

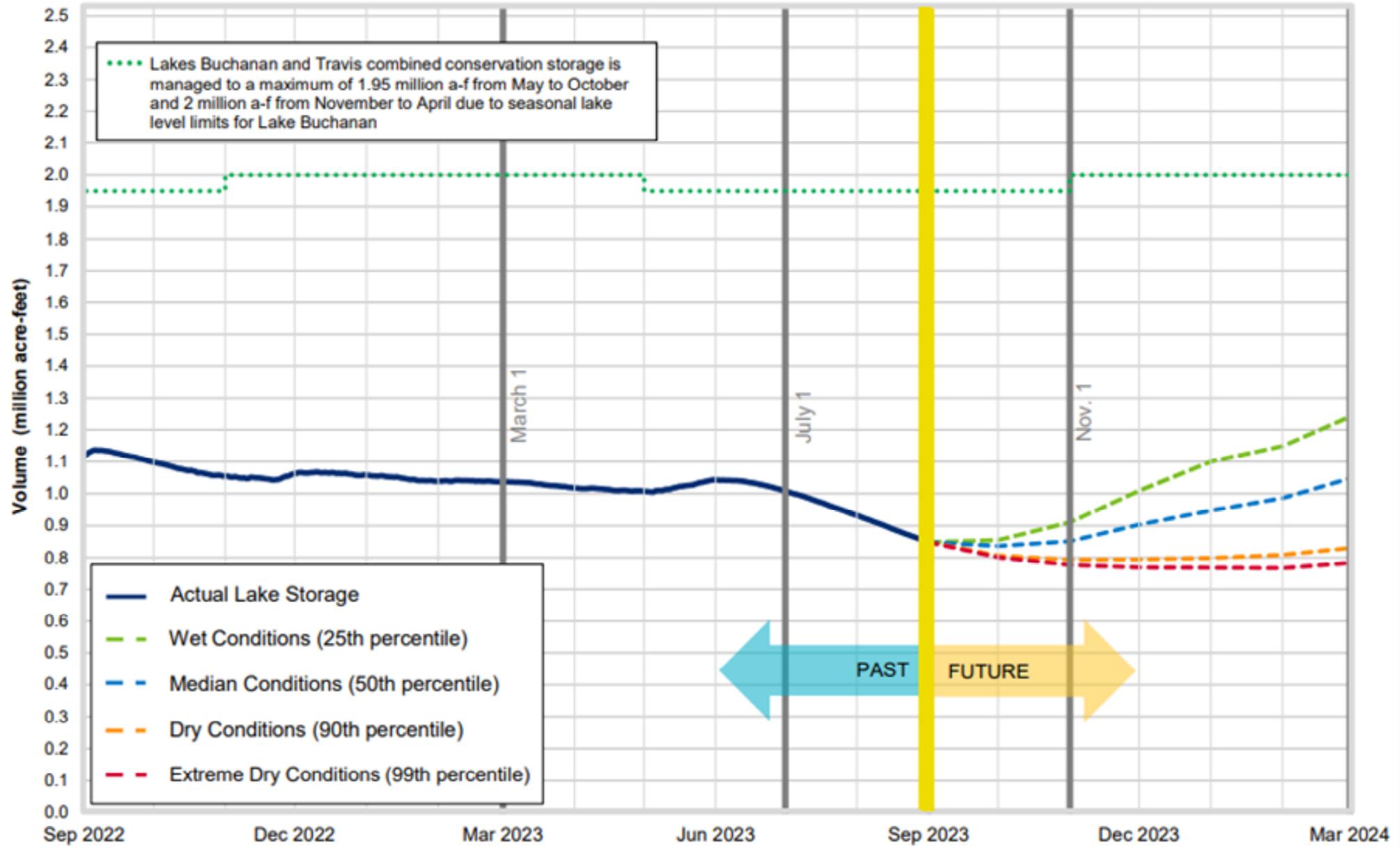


The Sept. 1 combined storage is 53,229 acre-feet less in 2023 than in 2012

The combined storage data for 2023 is provisional and subject to change

Effective May 27, 2021, storage values are based on the Texas Water Development Board volumetric survey of Lake Buchanan published in 2020 and the Lake Travis survey published in 2021

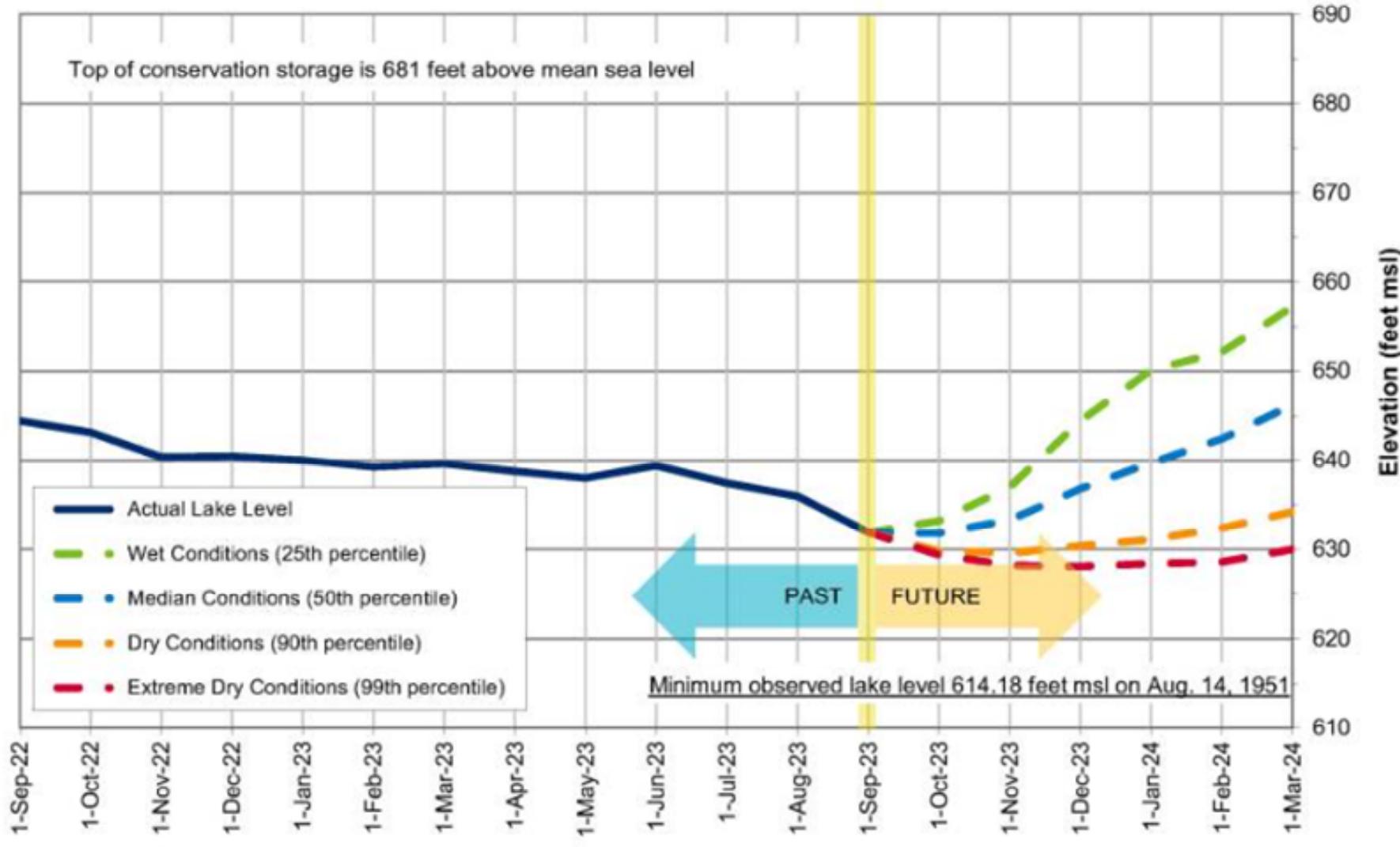
## Lakes Buchanan and Travis Total Combined Storage Projections



Date: Sept. 1, 2023

Note: One acre-foot equals 325,851 gallons

### Lake Travis Level Projection\*

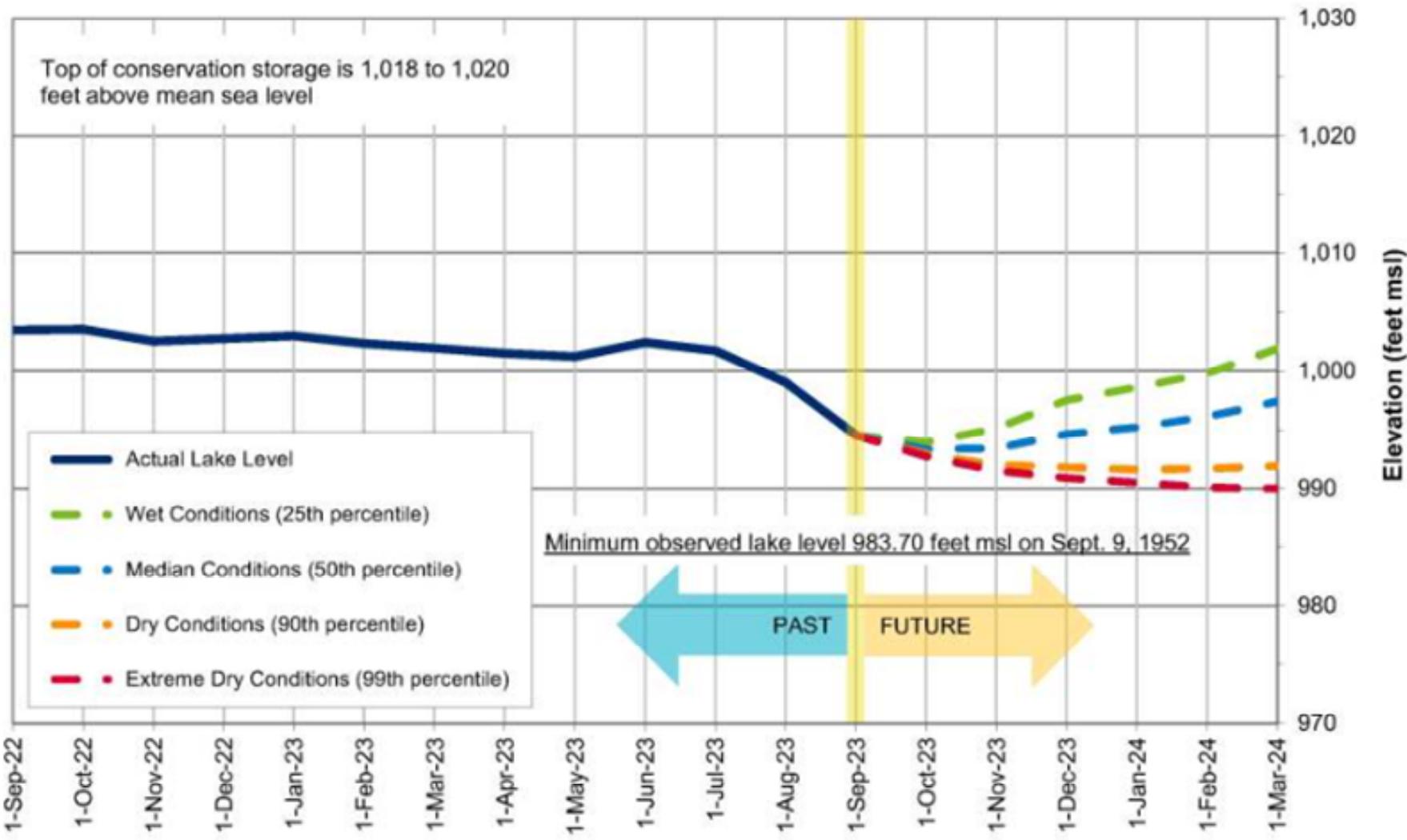


**Average for September:  
662.89 feet msl**

**Historic low (1951):  
614.18 feet msl**

\*Based on results from the draft stochastic model under development to reflect provisions of the 2020 Water Management Plan

## Lake Buchanan Level Projection\*



**Average for September:  
1,009.89 feet msl**

**Historic low (1952):  
983.70 feet msl**

# Lake Level Comparisons

	<b>Sept. 1, 2022</b>	<b>Sept. 1, 2023</b>
Lake Travis (feet msl)	644.33	632.01
Lake Buchanan (feet msl)	1,003.54	994.50
Combined storage* (a-f)	1,117,964	847,725

\*For purposes of the 2020 Water Management Plan, the combined storage is defined as the total of the daily average volume of water in lakes Buchanan and Travis. This determination excludes any water in Lake Buchanan above elevation 1,018 feet msl in the months of May through October or above 1,020 feet msl in the months of November through April and any water in Lake Travis above elevation 681 feet msl.



# LCRA

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