

Basin Conditions Update

Water Operations Committee Meeting

May 21, 2024



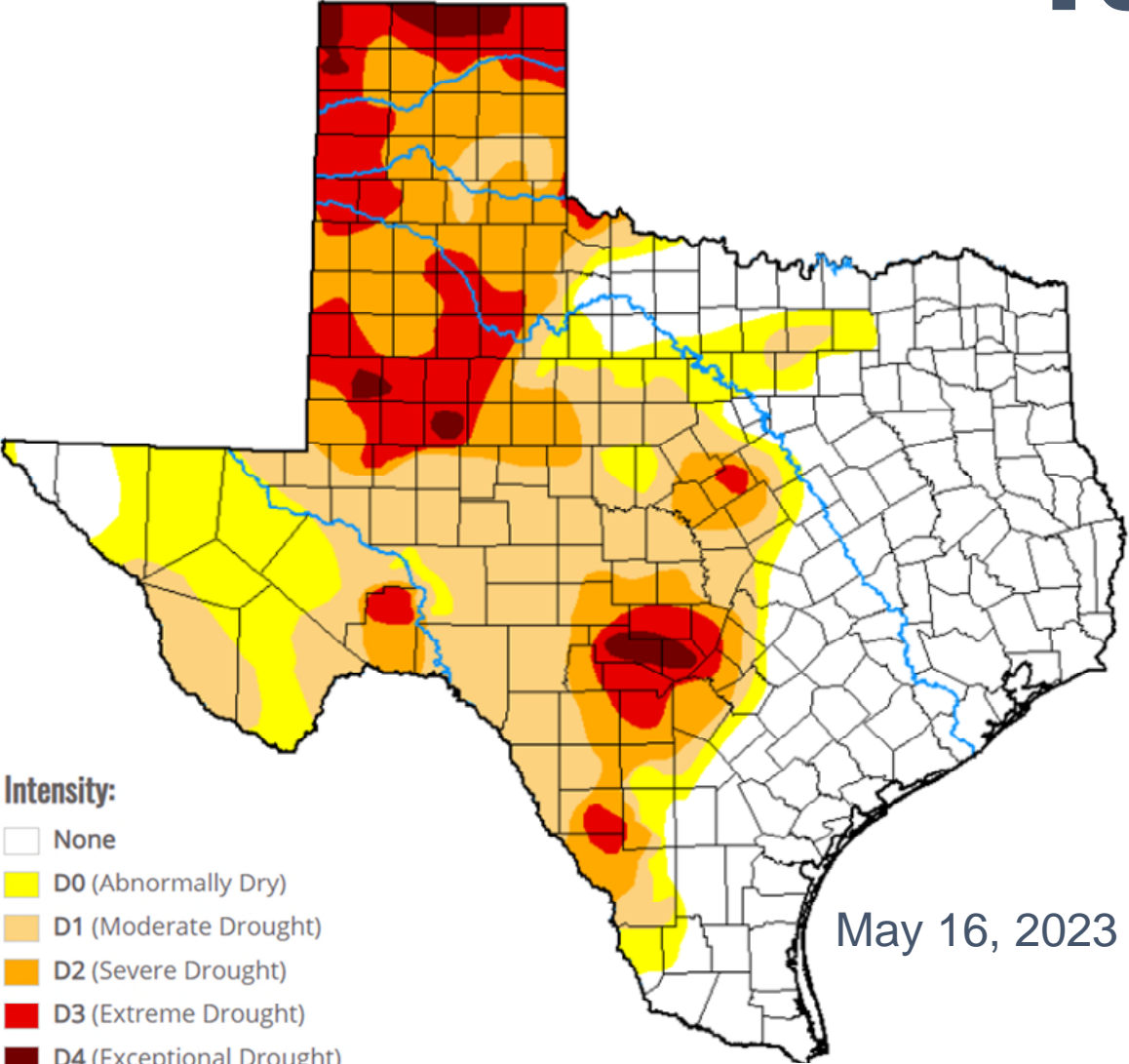
U.S. Drought Monitor Texas

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>

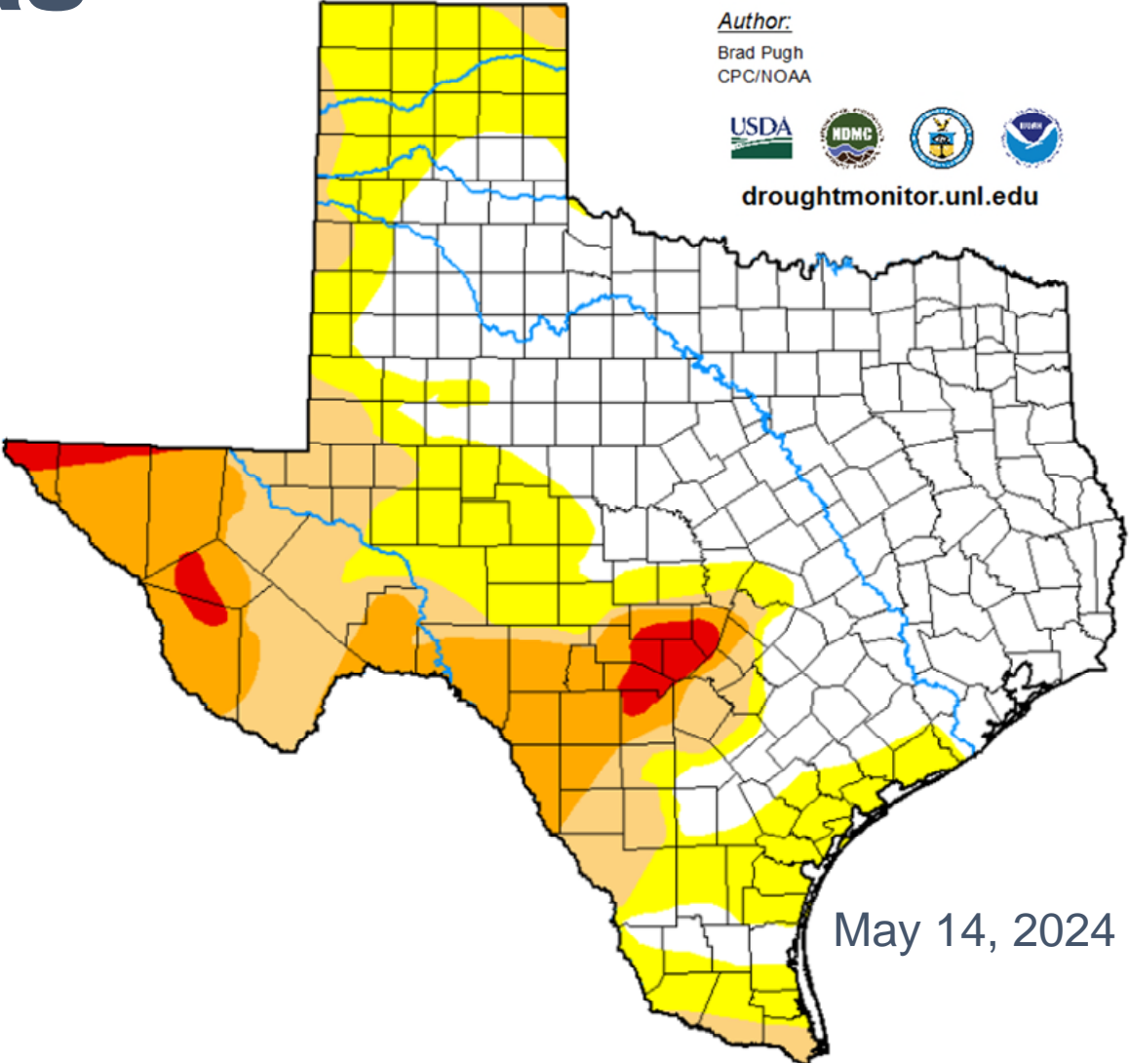
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CPC/NOAA



droughtmonitor.unl.edu



May 16, 2023



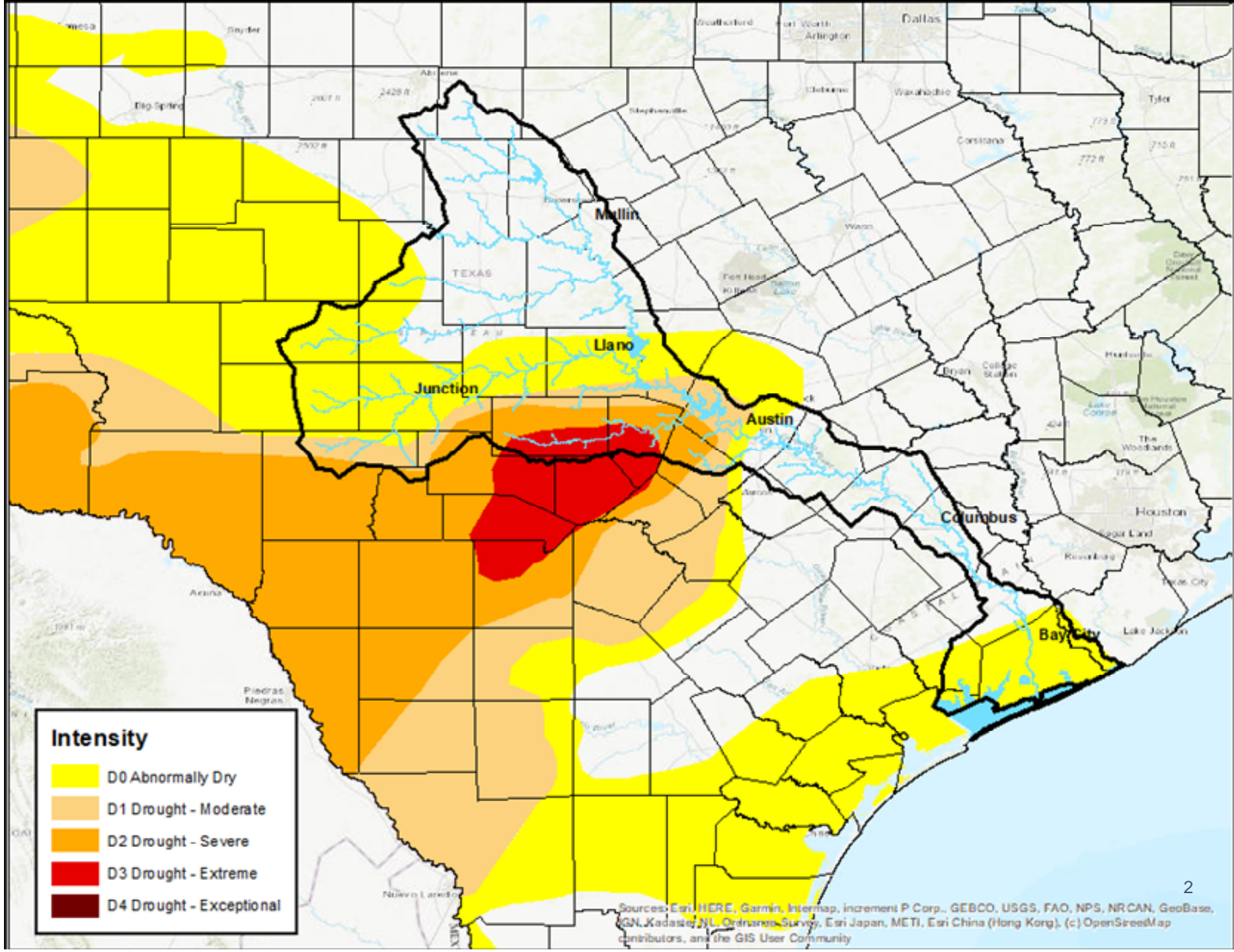
May 14, 2024

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

U.S. Drought Monitor

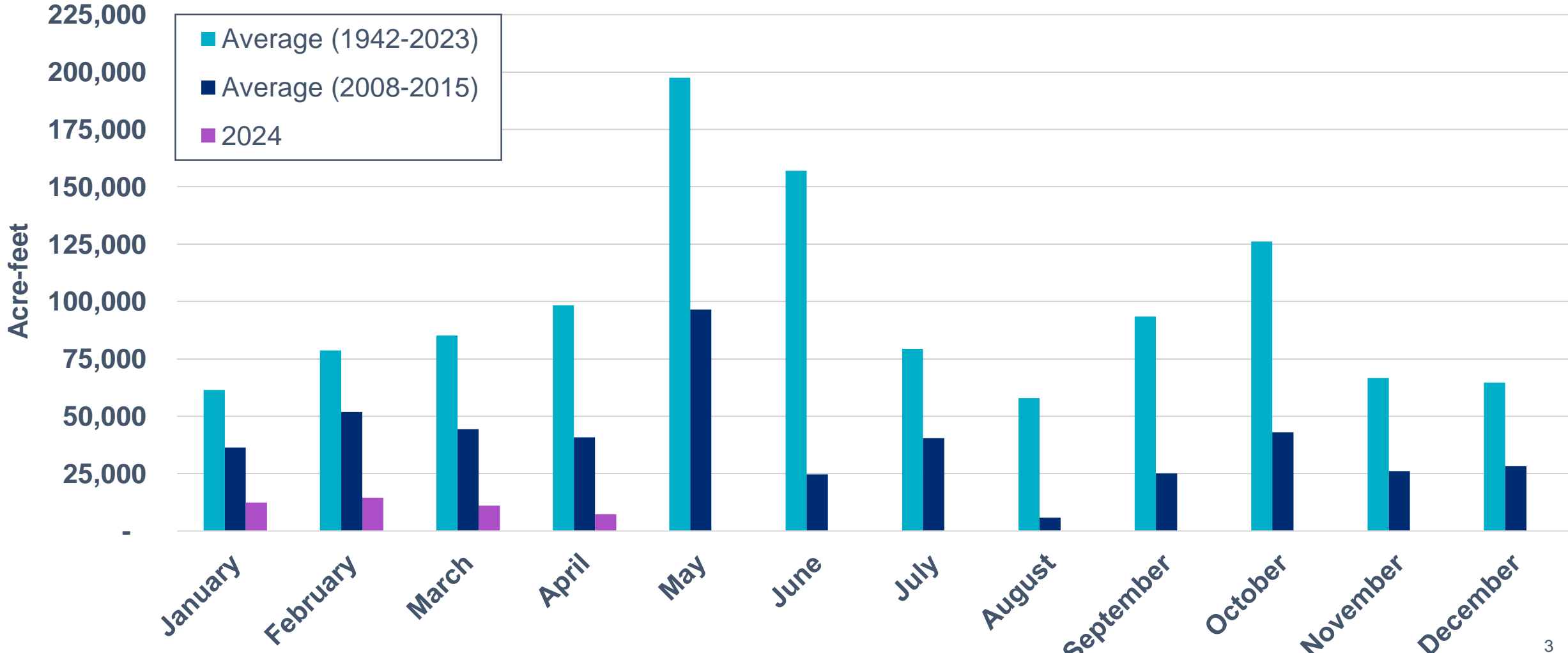
Lower Colorado River Basin

As of May 14, 2024

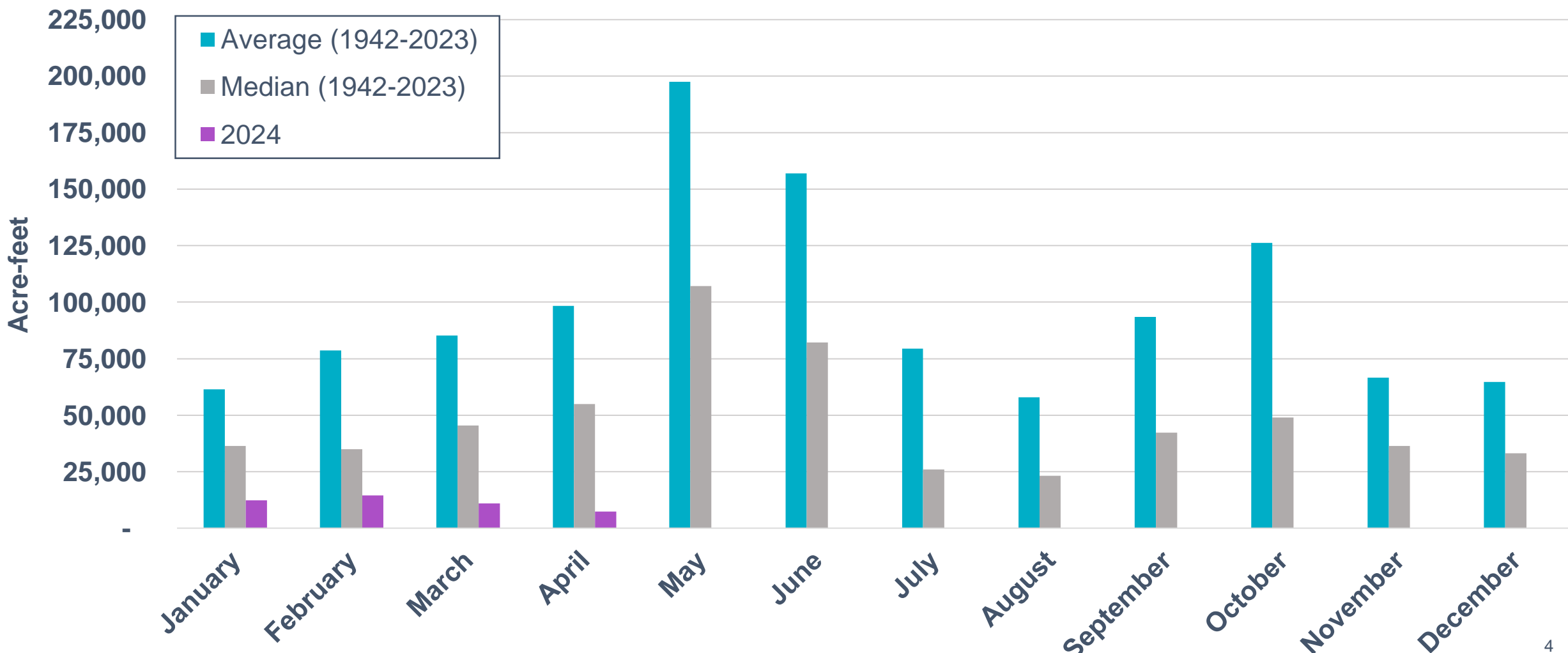


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Water Flowing Into Lakes Buchanan and Travis



Water Flowing Into Lakes Buchanan and Travis – Median



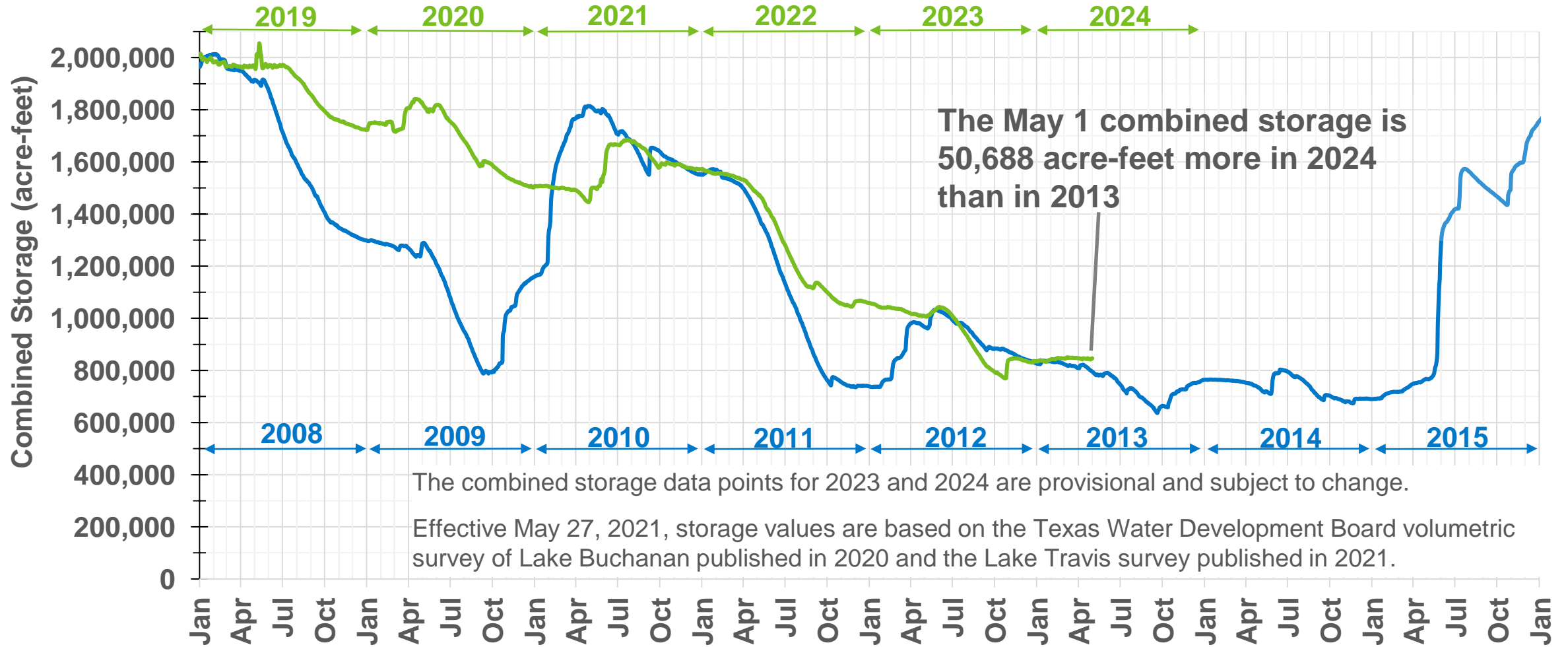
Increase in Combined Storage

From May 1 at Midnight to May 9 at 9 a.m.

	Change in Lake Elevation (feet above mean sea level)	Change in Storage (acre-feet)
Lake Buchanan	6.59	100,991
Lake Travis	1.90	17,763
Combined Storage		118,754

Combined Storage of Lakes Buchanan and Travis

Comparison of 2019-2024 and 2008-2015

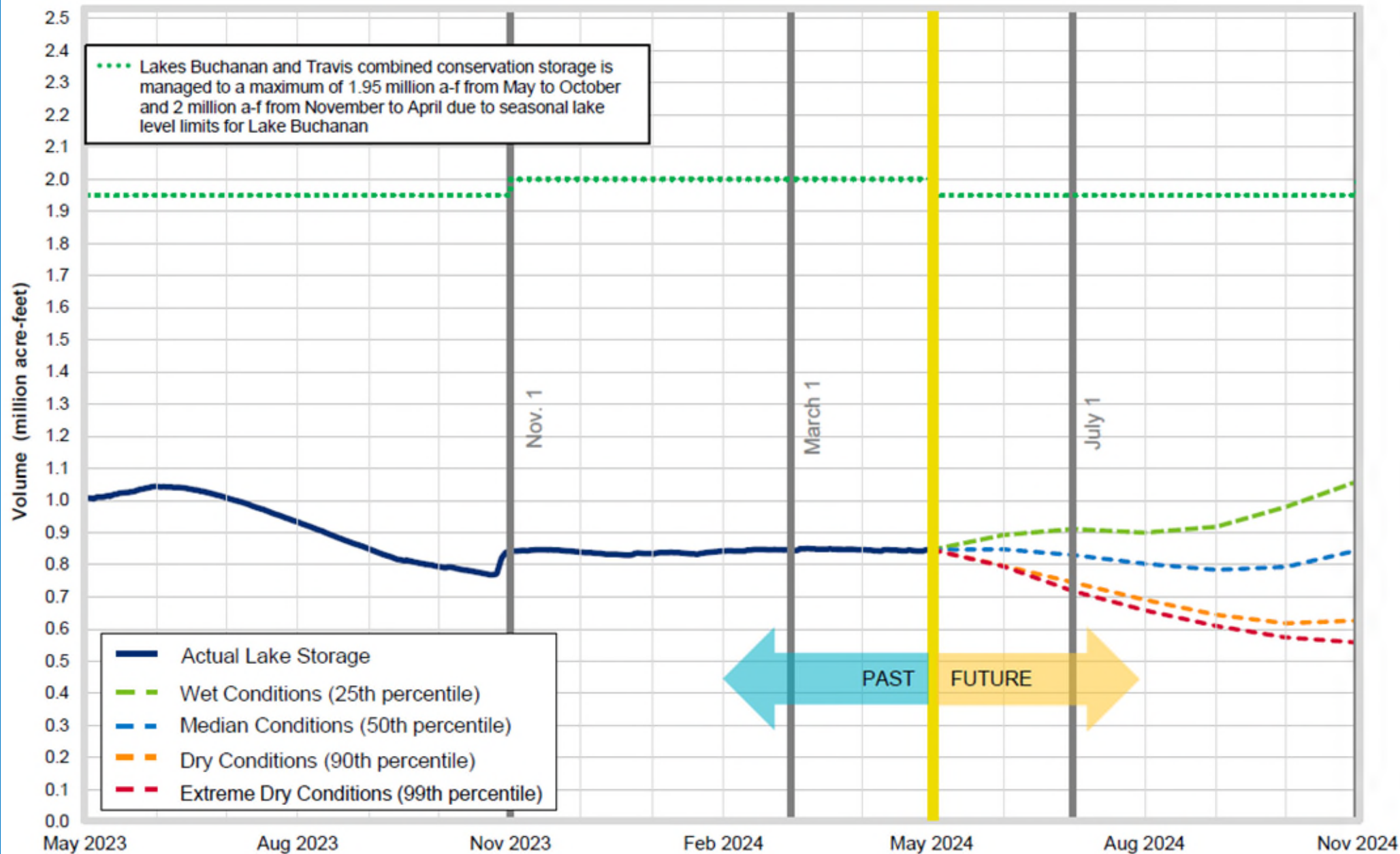


The May 1 combined storage is 50,688 acre-feet more in 2024 than in 2013

The combined storage data points for 2023 and 2024 are 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.

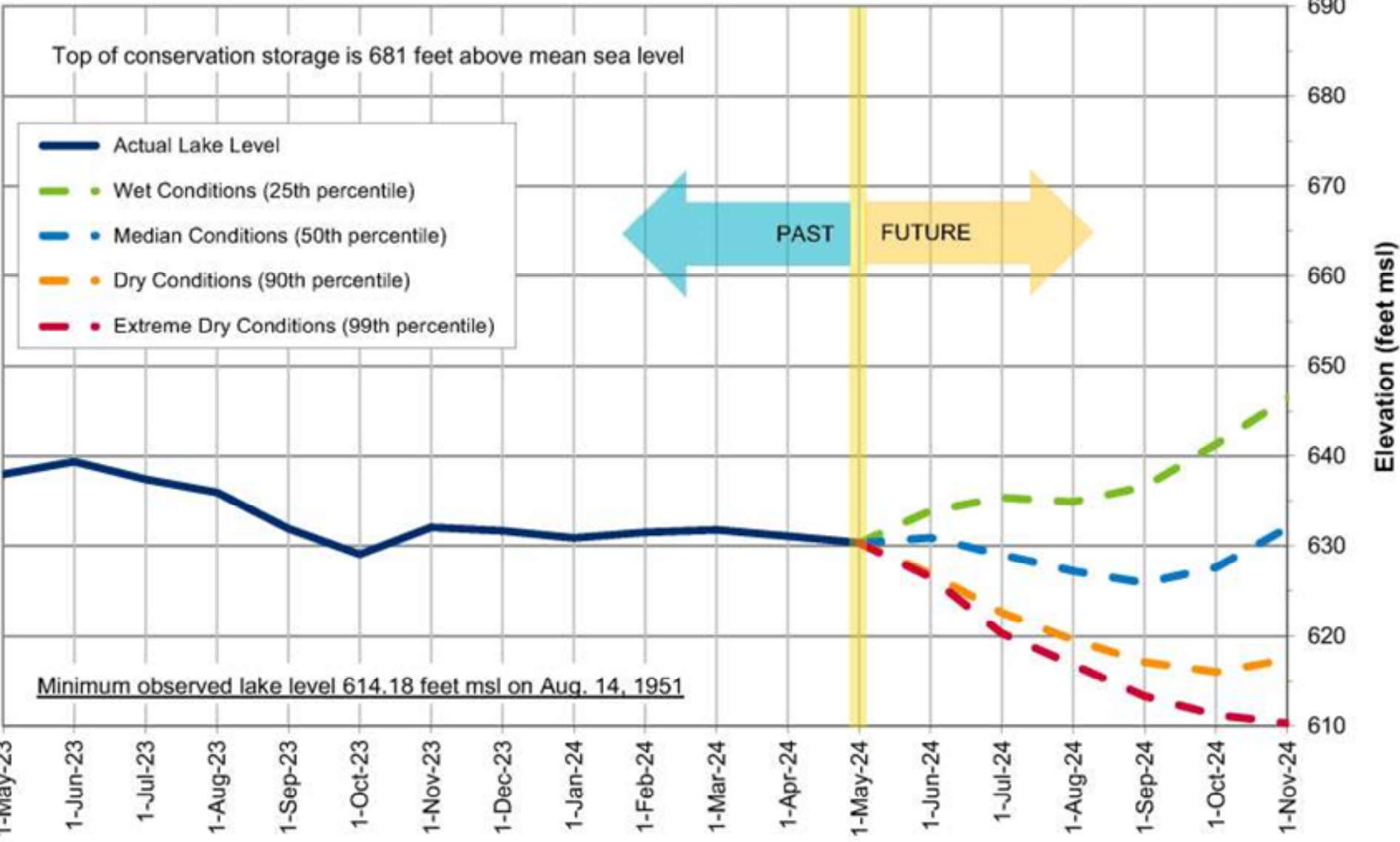
Lakes Buchanan and Travis Total Combined Storage Projections



Date: May 1, 2024

Note: One acre-foot equals 325,851 gallons

Lake Travis Level Projection*

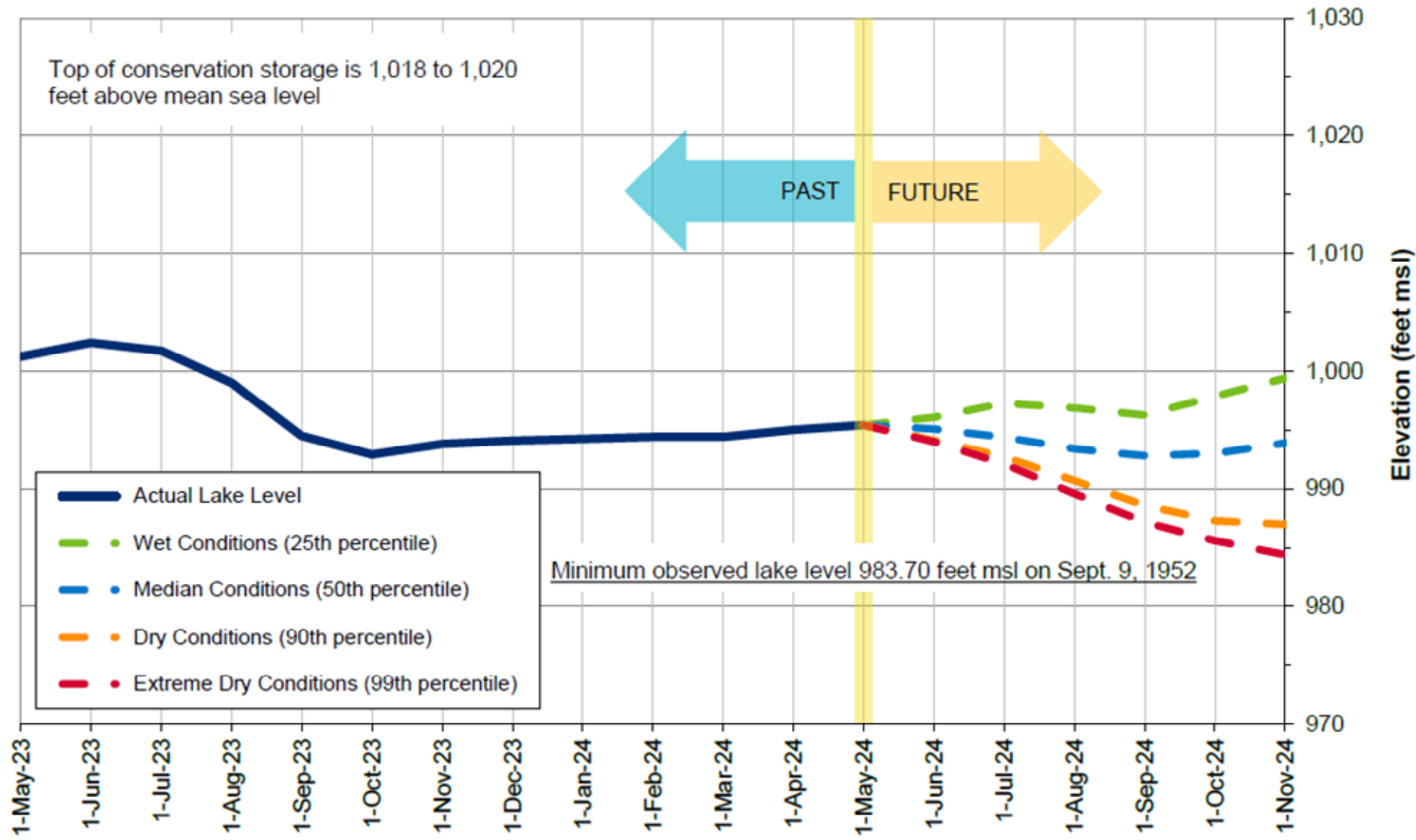


**Average for May:
669.17 feet msl**

**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 May:
1,012.77 feet msl**

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

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

Lake Level Comparisons

	May 1, 2023	May 1, 2024
Lake Travis (feet msl)	637.97	630.29
Lake Buchanan (feet msl)	1,001.19	995.46
Combined storage* (a-f)	1,008,058	846,362

*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.



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