

Basin Conditions Update

Water Operations Committee Meeting

Sept. 18, 2024



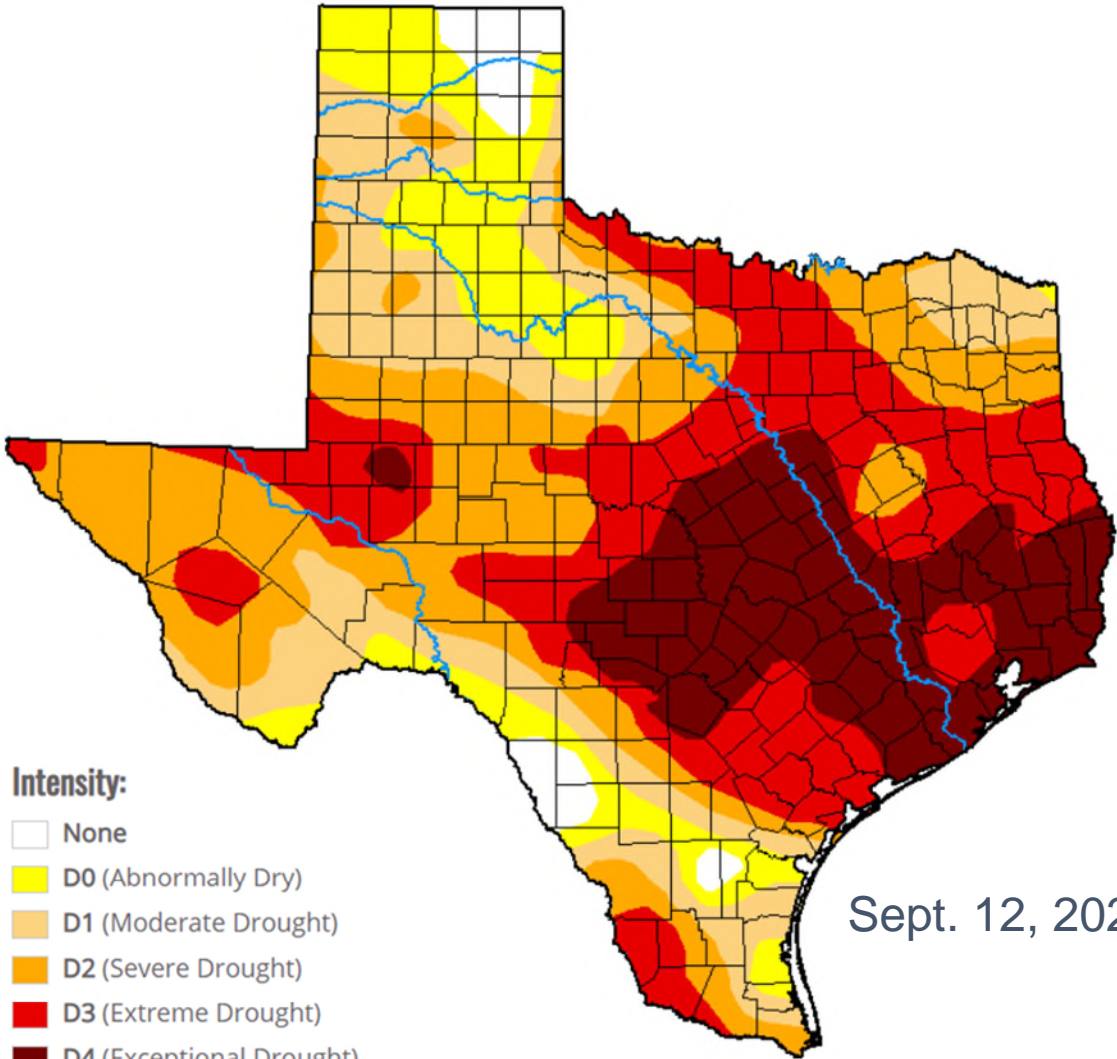
U.S. Drought Monitor Texas

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>

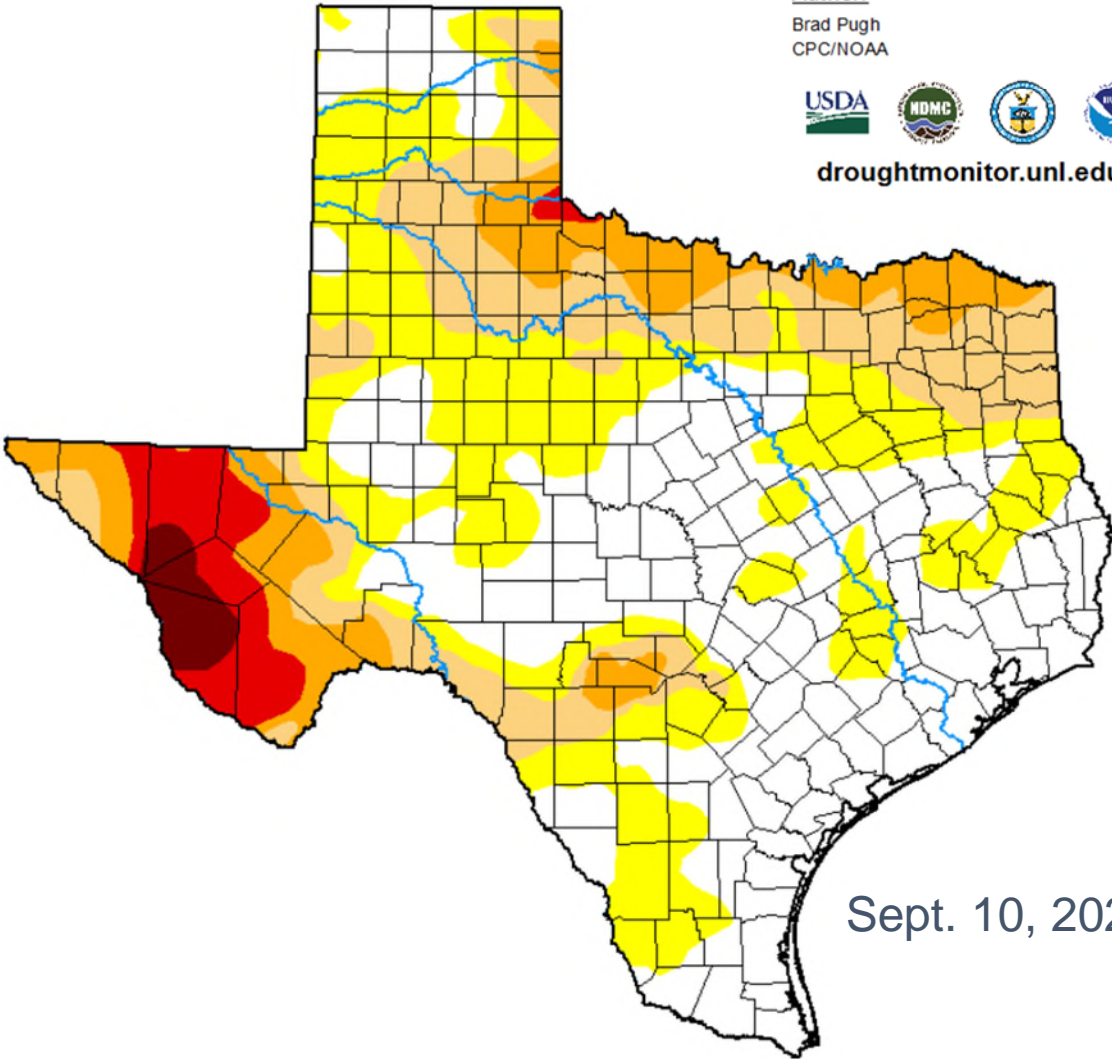
Author:
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu



Sept. 12, 2023



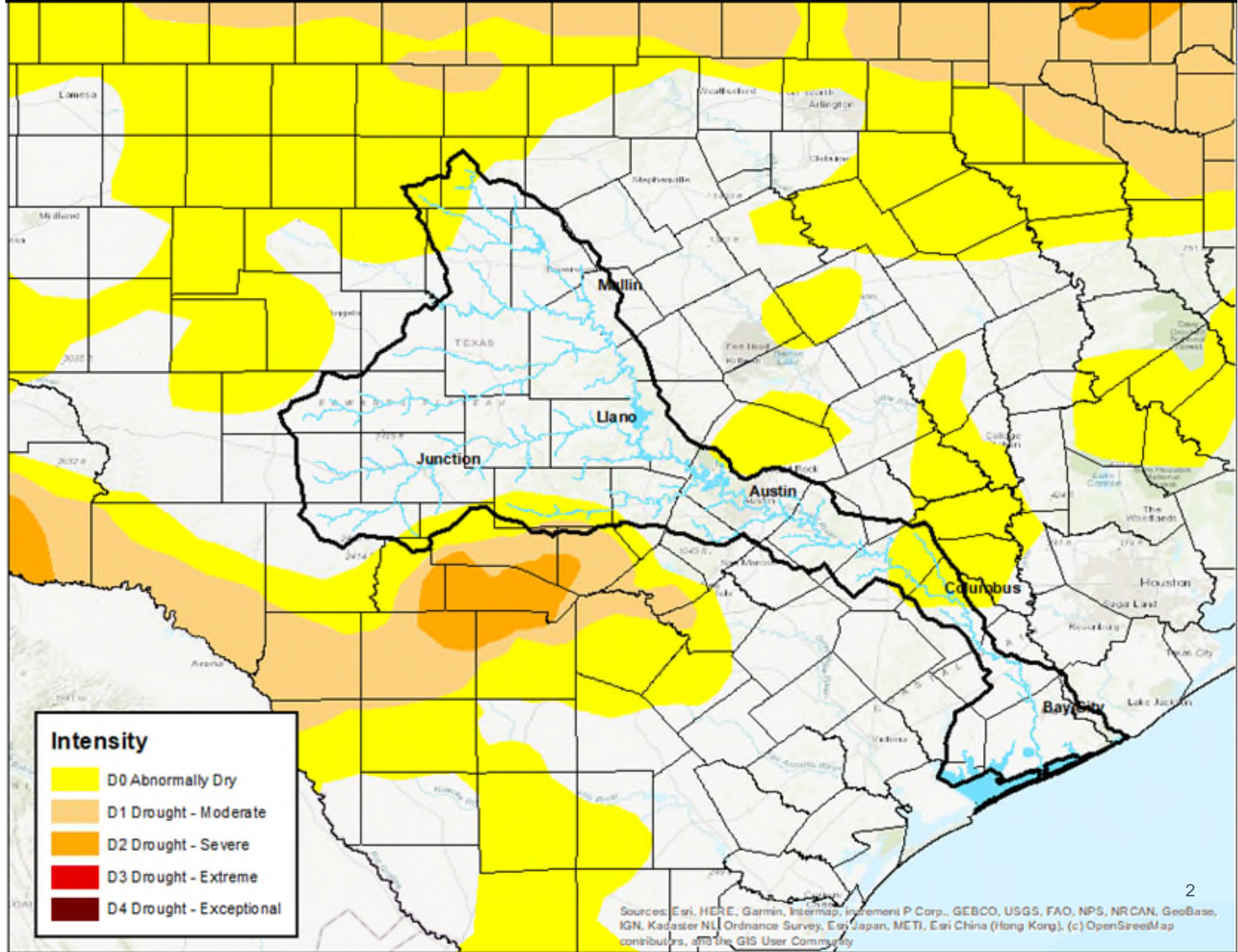
Sept. 10, 2024

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

U.S. Drought Monitor

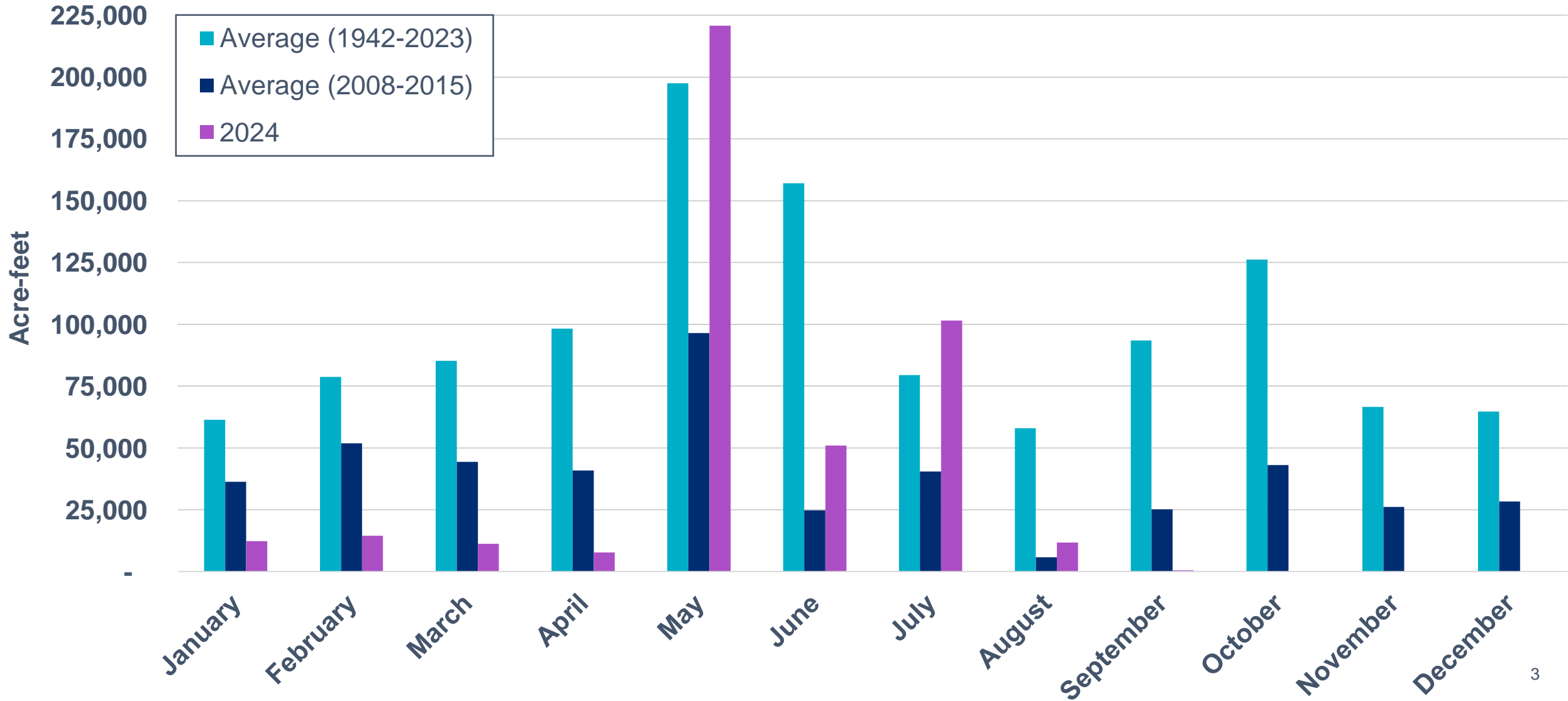
Lower Colorado River Basin

As of Sept. 10, 2024

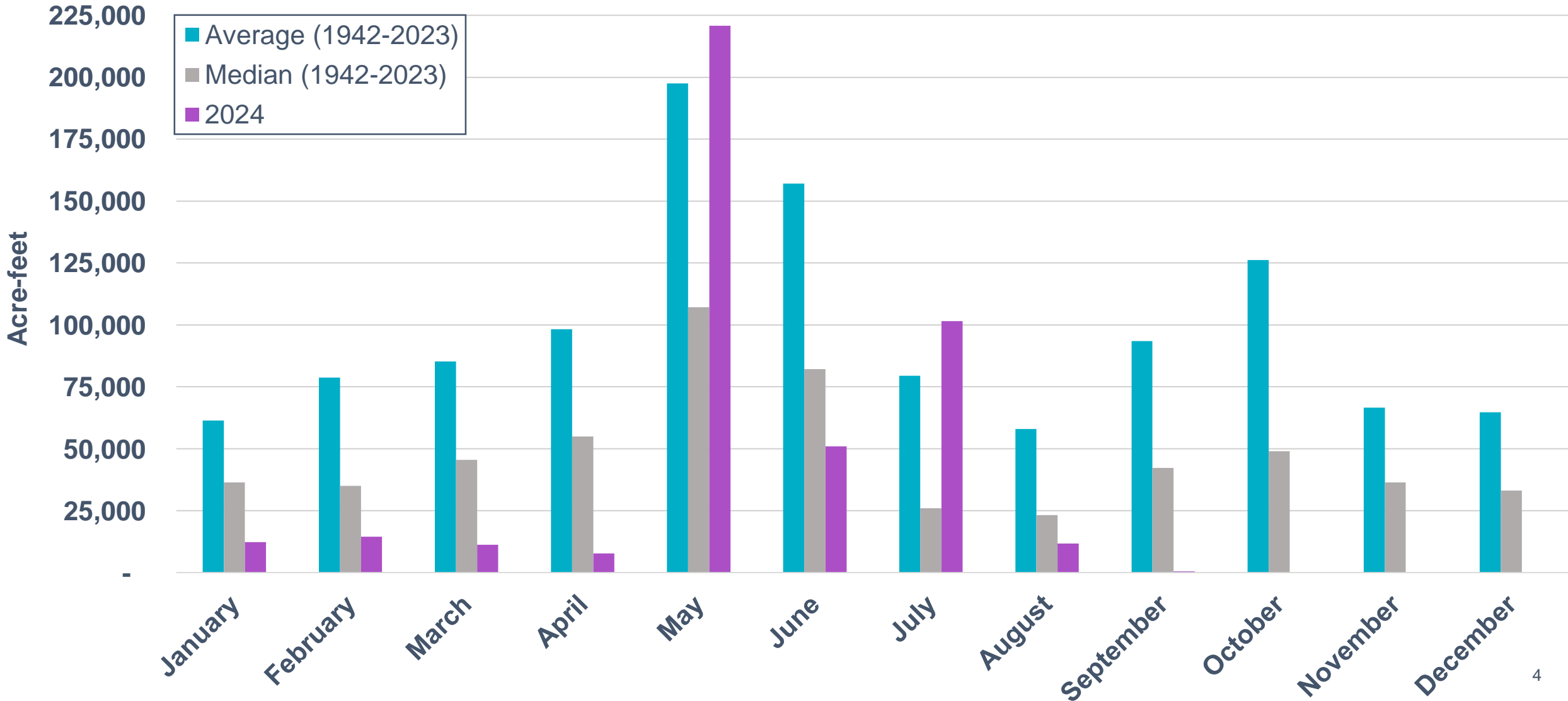


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Water Flowing Into Lakes Buchanan and Travis

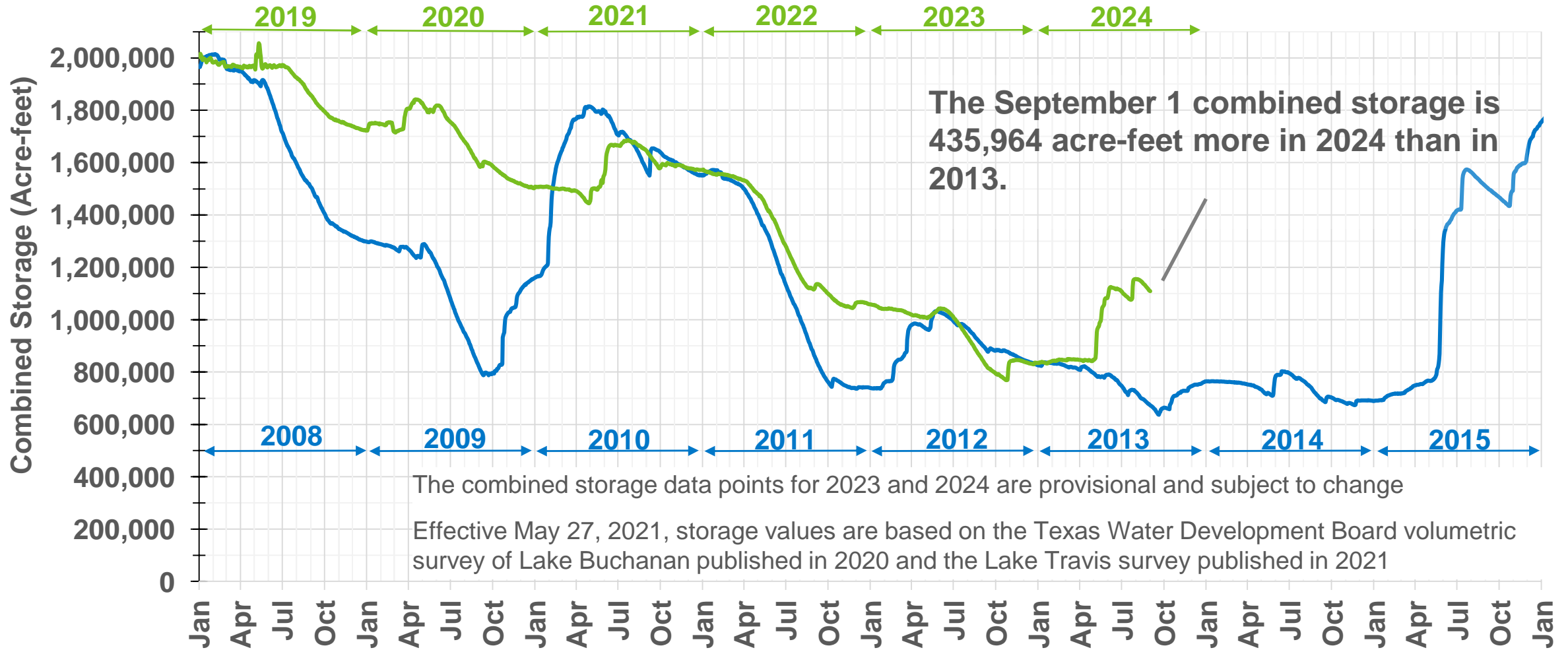


Water Flowing Into Lakes Buchanan and Travis – Median



Combined Storage of Lakes Buchanan and Travis

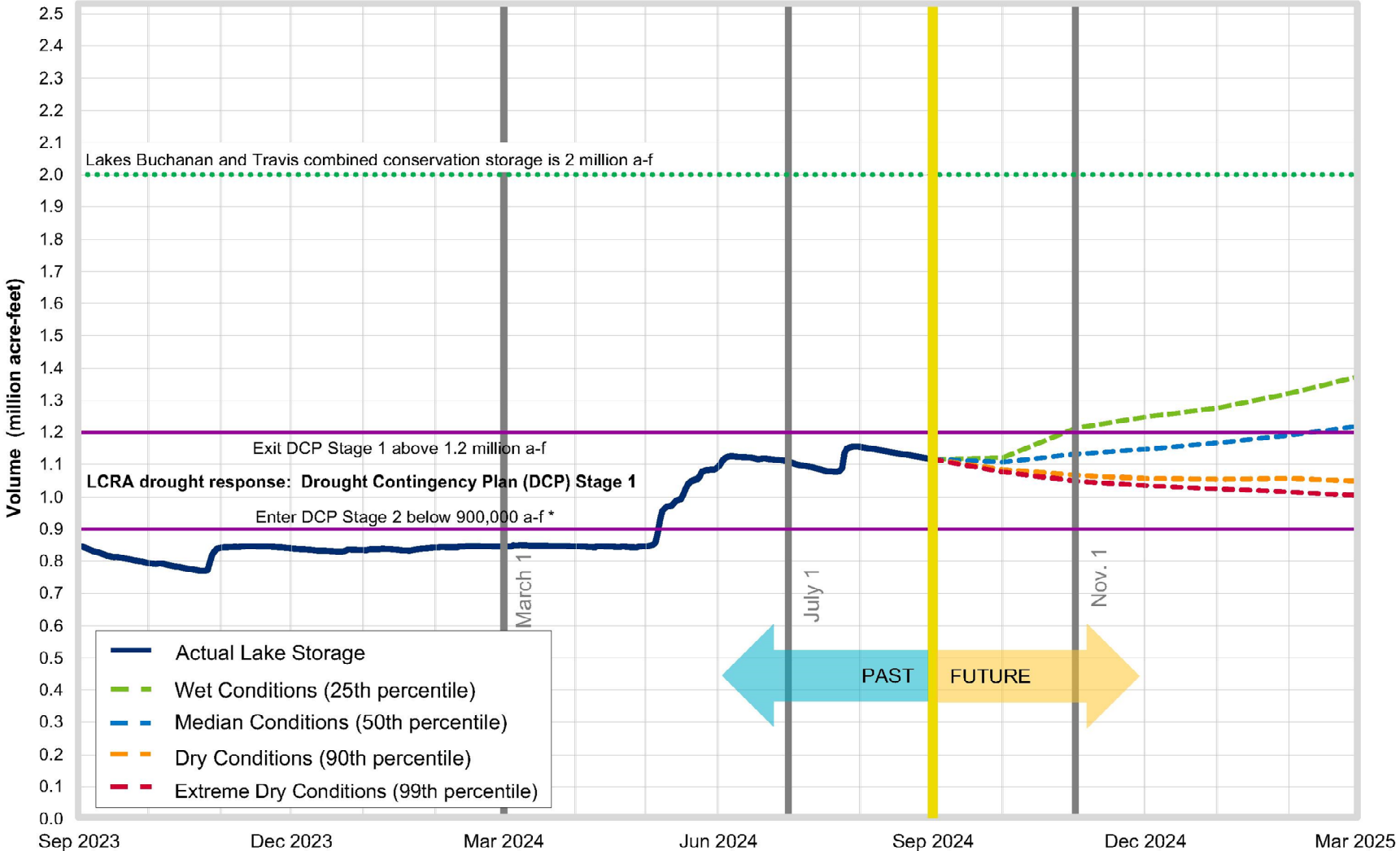
Comparison of 2019-2024 and 2008-2015



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

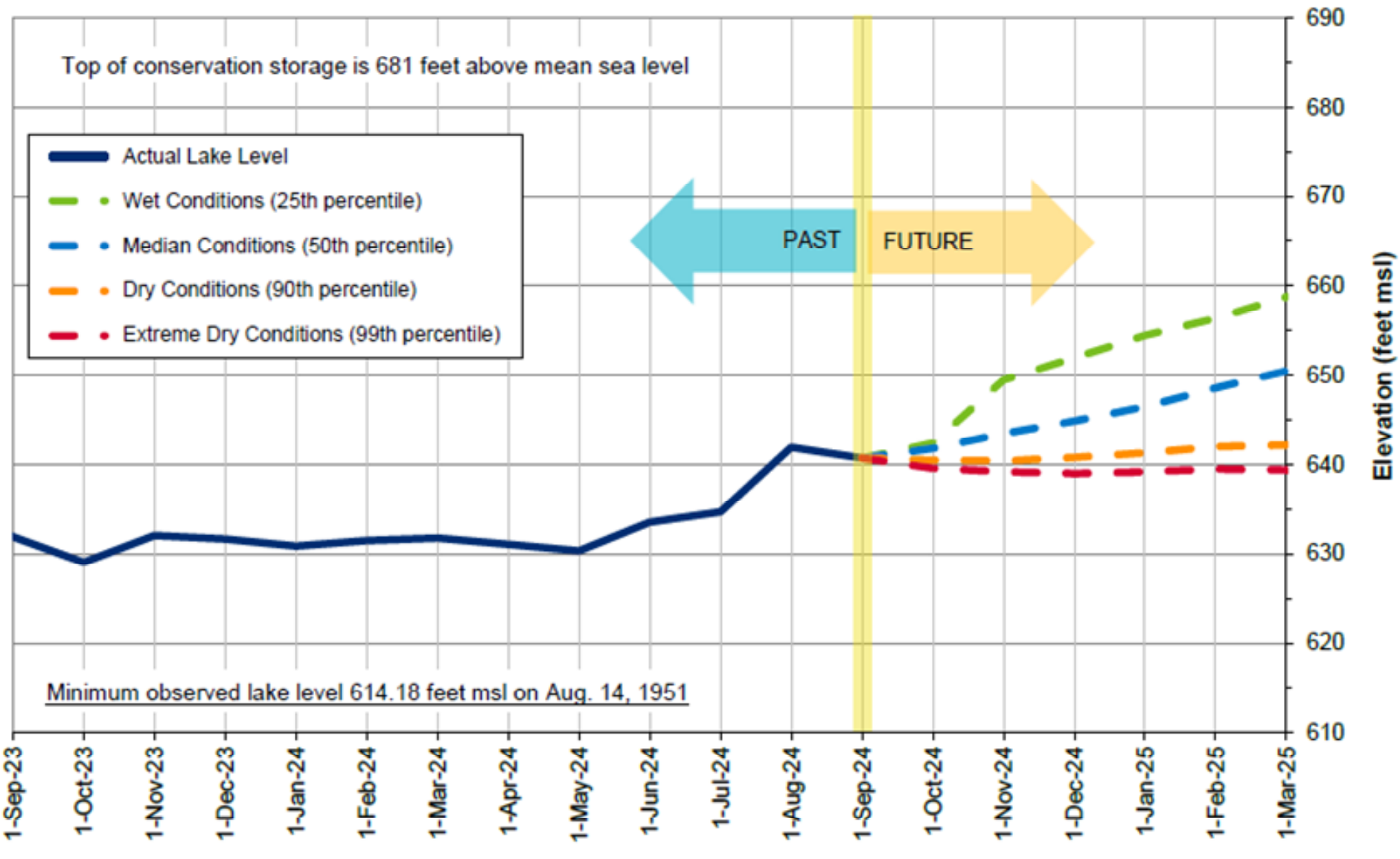
Lakes Buchanan and Travis Total Combined Storage Projections



* LCRA also would enter DCP Stage 2 on March 1 or July 1 if combined storage is below 1.1 million a-f and the prior three-month inflows total is less than the 25th percentile of historic inflows for that three-month period

Date: Sept. 1, 2024
 Note: One acre-foot equals 325,851 gallons

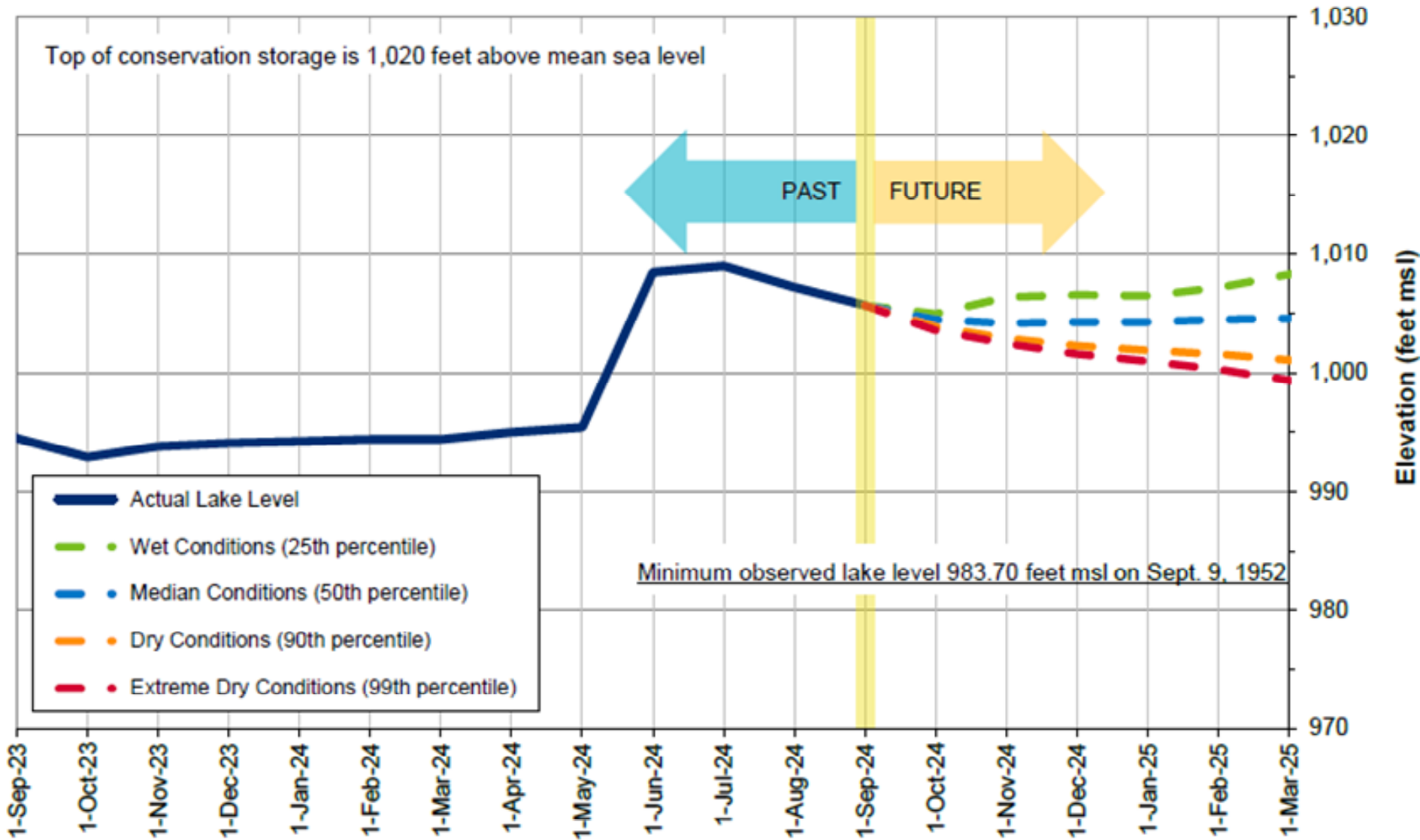
Lake Travis Level Projection*



**Average for
September:
662.49 feet msl**

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

Lake Buchanan Level Projection*



**Average for September:
1,009.69 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

| | Sept. 1, 2023 | Sept. 1, 2024 |
|--------------------------|----------------------|----------------------|
| Lake Travis (feet msl) | 632.01 | 640.69 |
| Lake Buchanan (feet msl) | 994.50 | 1,005.40 |
| Combined storage* (a-f) | 847,725 | 1,108,546 |

*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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