

Basin Conditions Update

Water Operations Committee Meeting

Aug. 16, 2022



U.S. Drought Monitor Texas

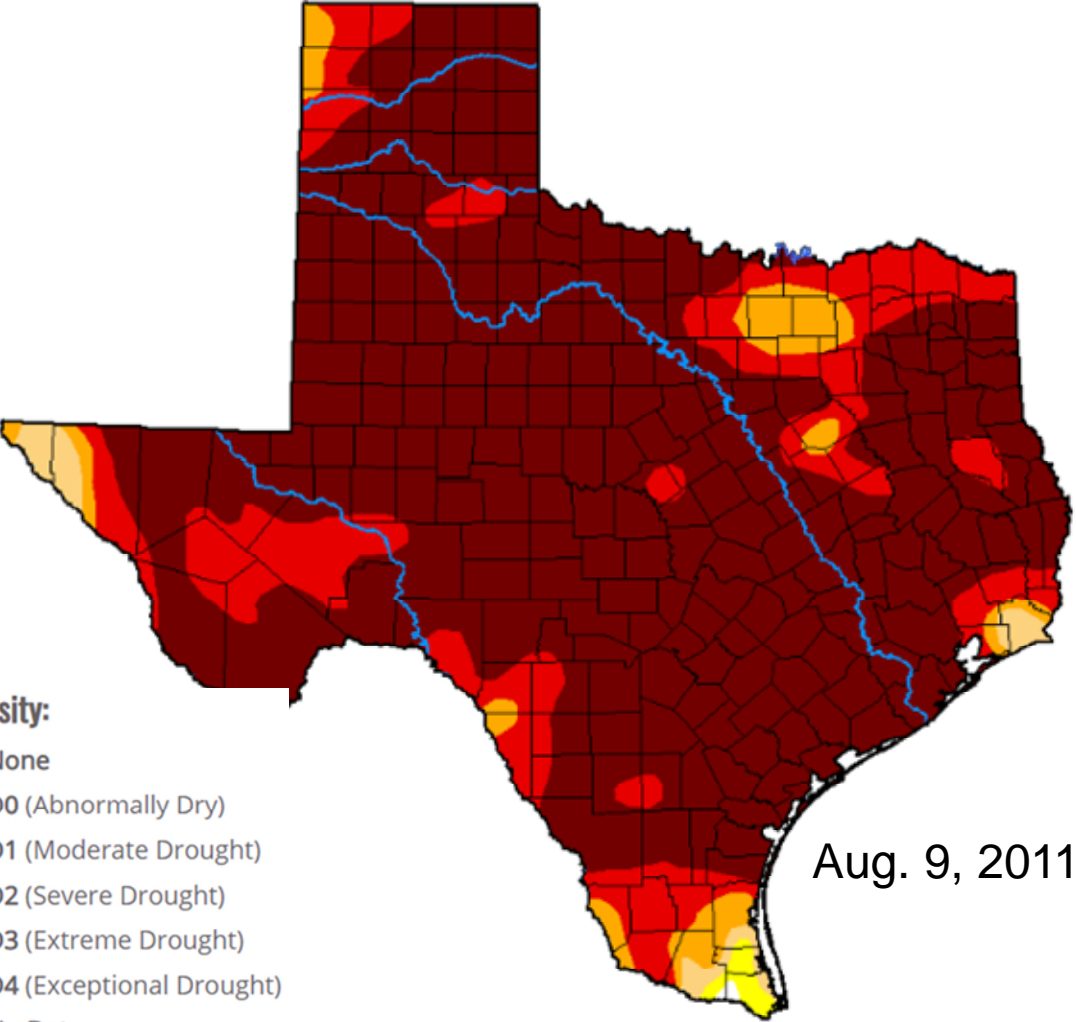
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <http://droughtmonitor.unl.edu/About.aspx>

Author:

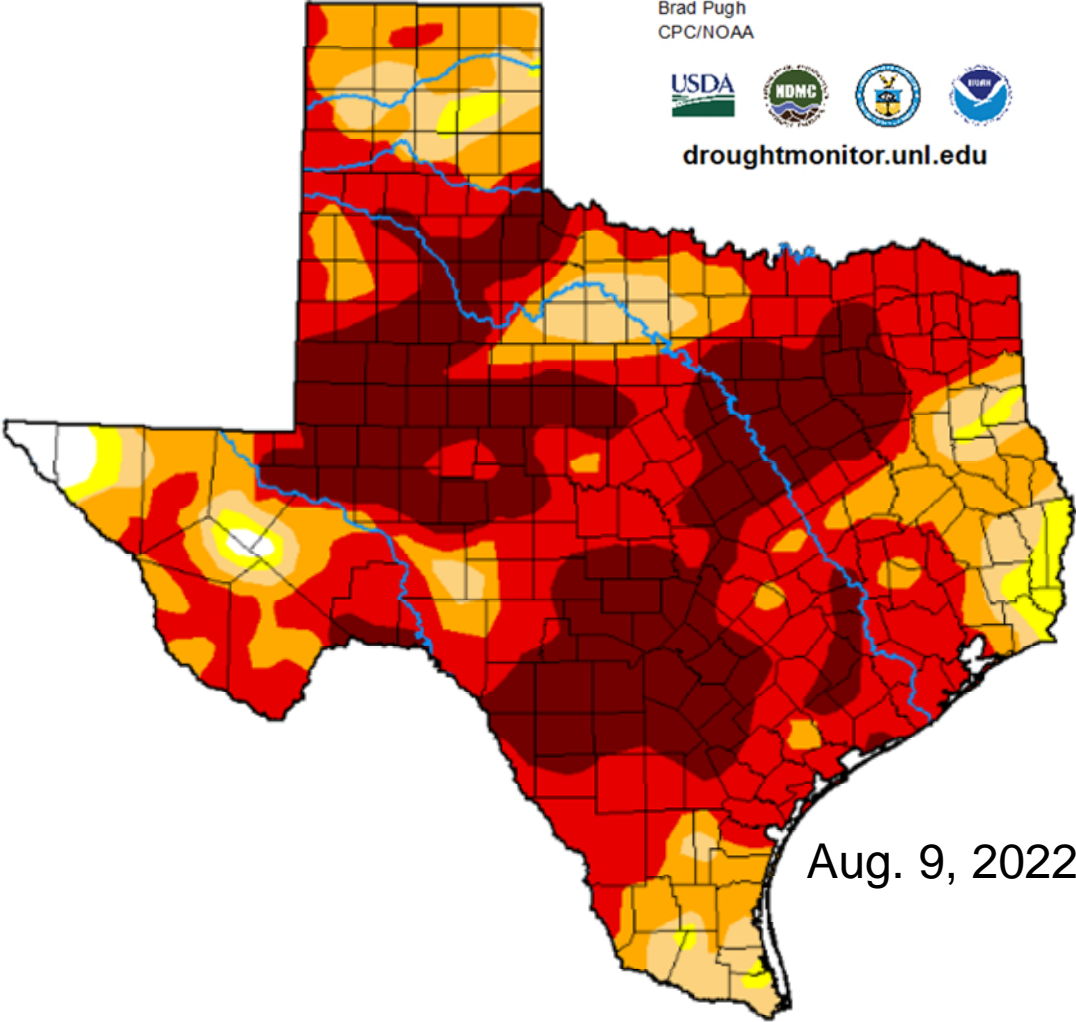
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu



Aug. 9, 2011



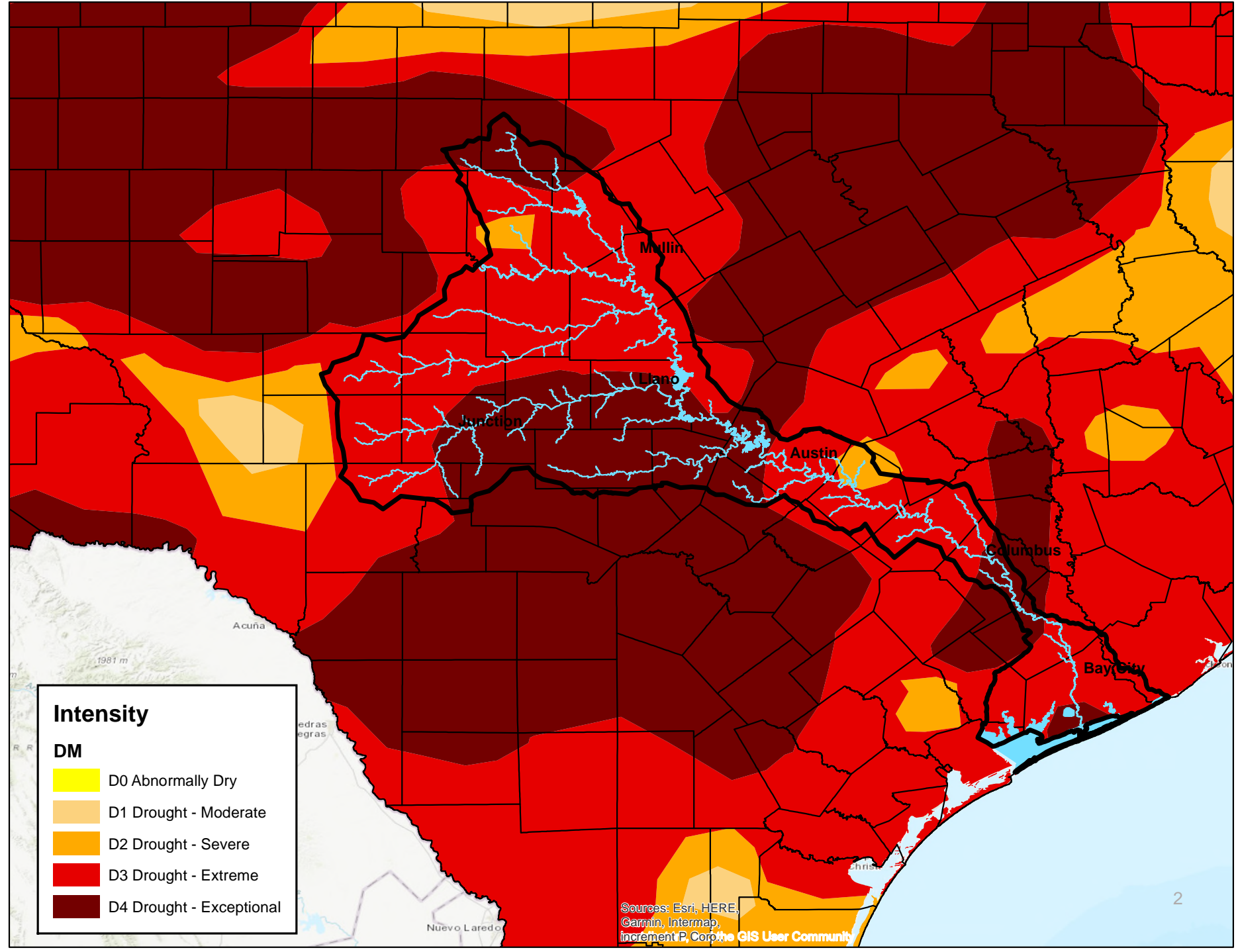
Aug. 9, 2022

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

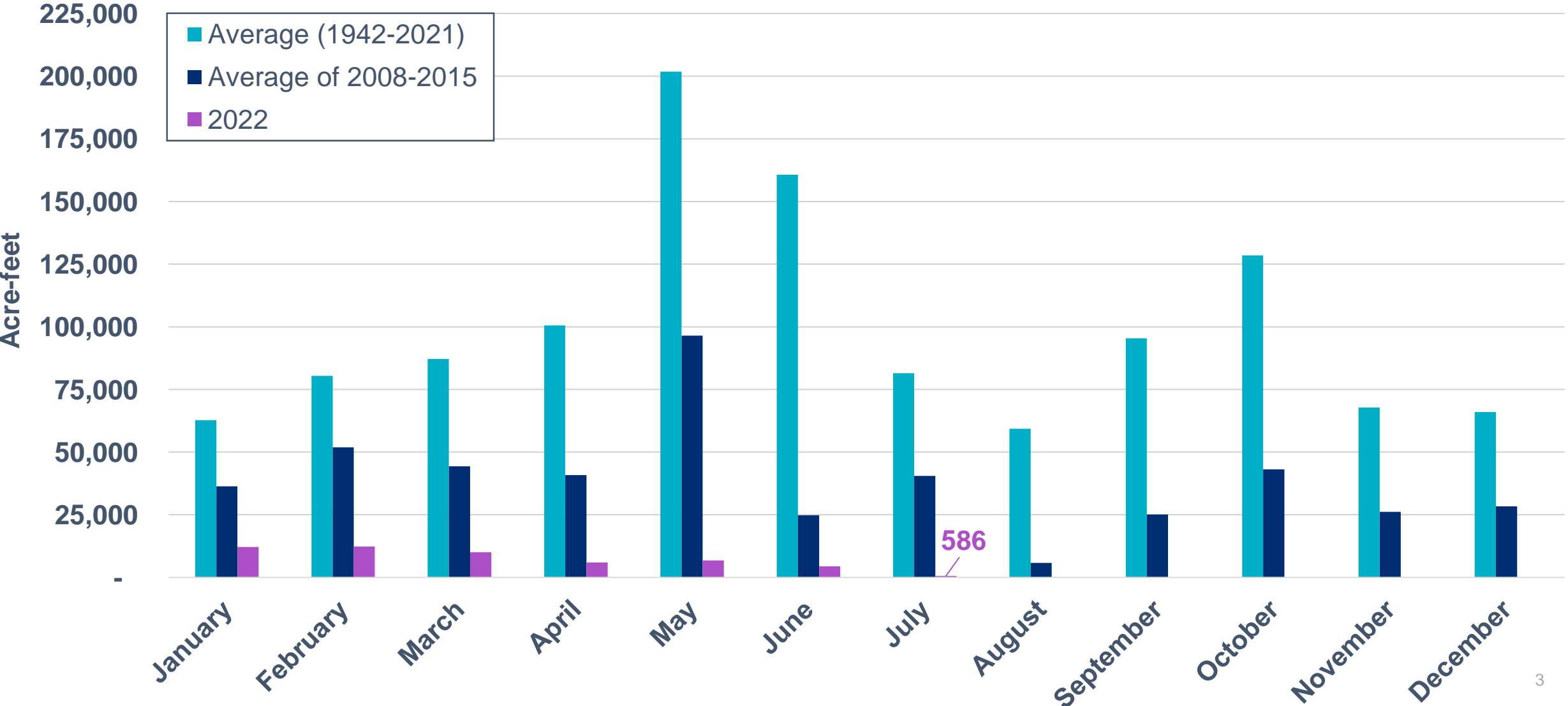
U.S. Drought Monitor

Lower Colorado River Basin

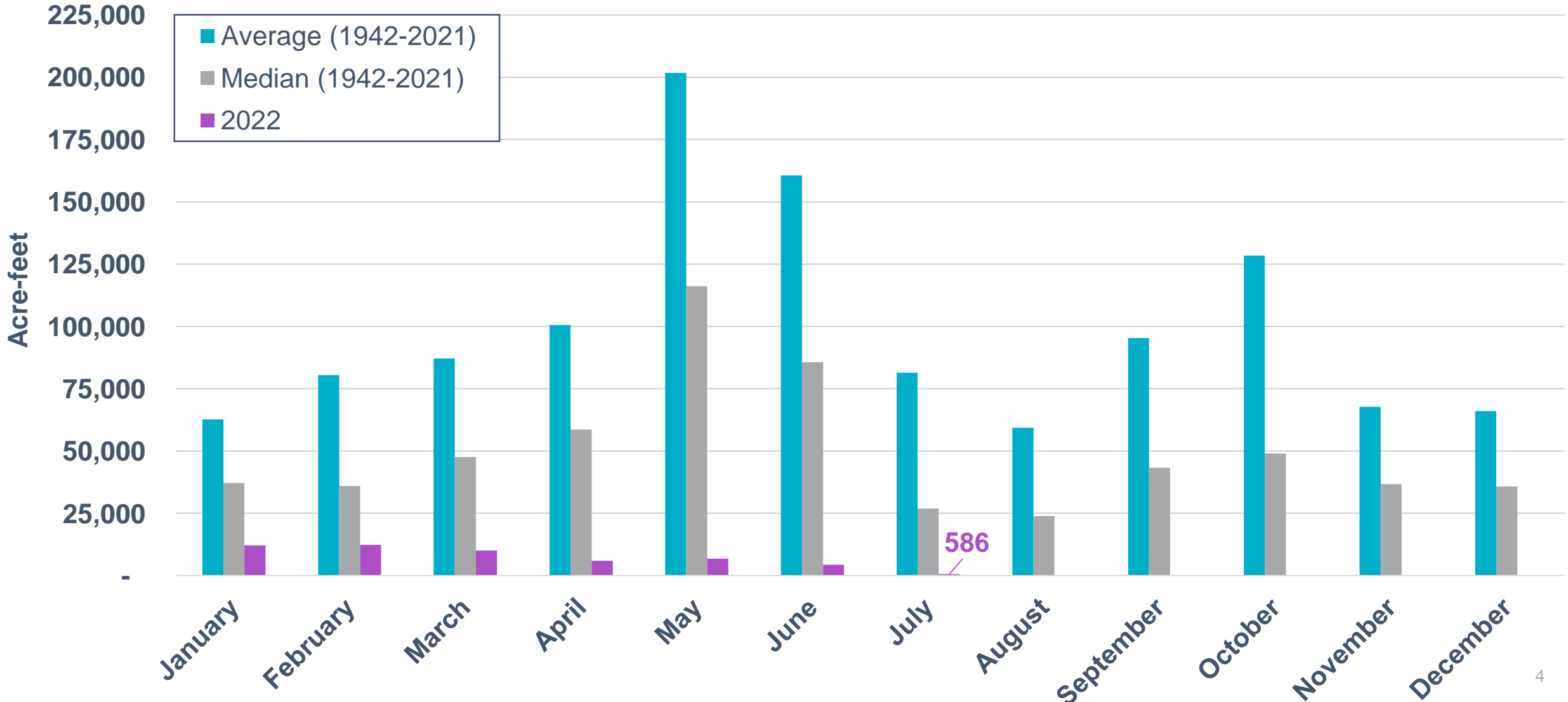
As of Aug. 9, 2022



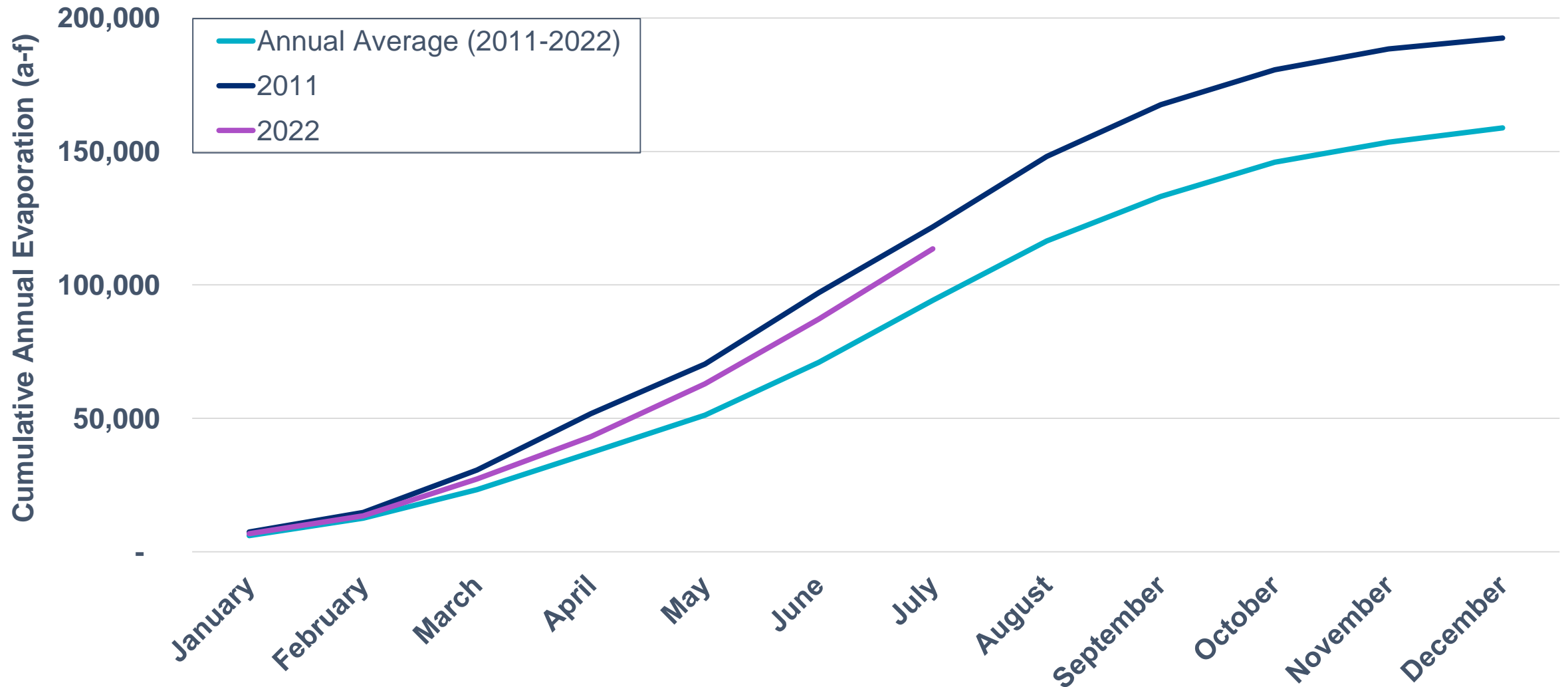
Water Flowing Into Lakes Buchanan and Travis



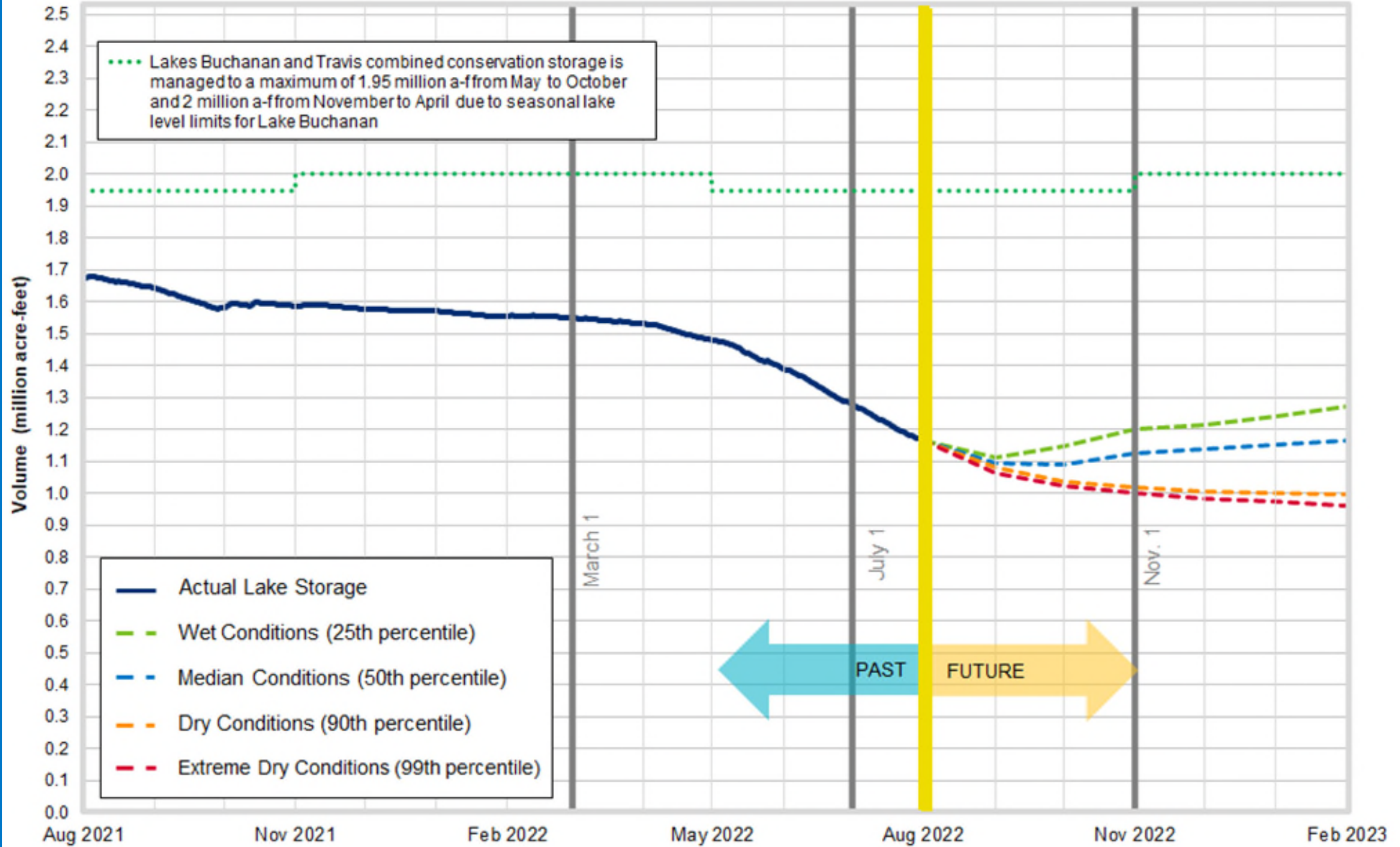
Water Flowing Into Lakes Buchanan and Travis – Median



Highland Lakes – Cumulative Annual Evaporation



Lakes Buchanan and Travis Total Combined Storage Projections



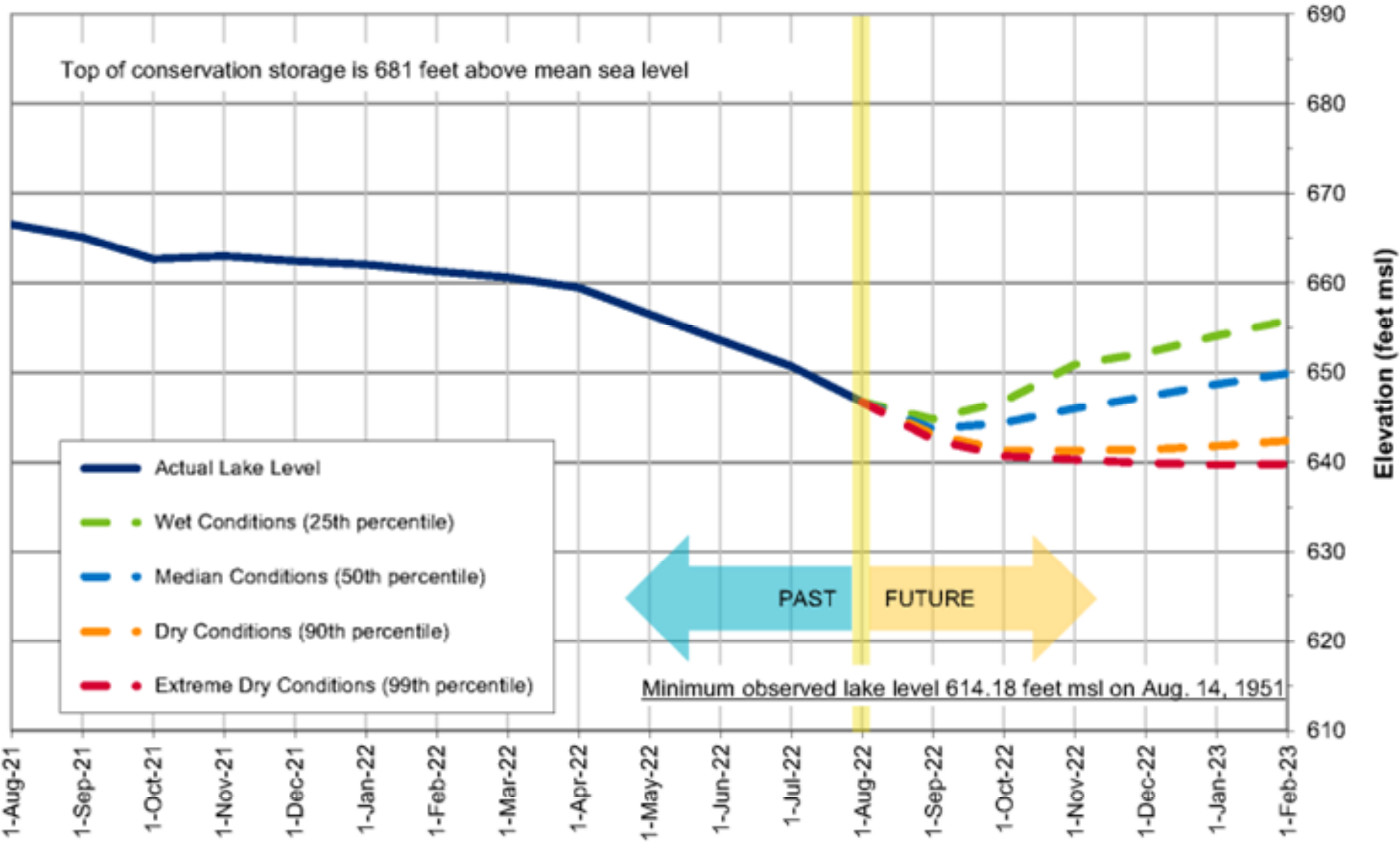
Lakes Buchanan and Travis combined conservation storage is managed to a maximum of 1.95 million a-ft from May to October and 2 million a-ft from November to April due to seasonal lake level limits for Lake Buchanan

- Actual Lake Storage
- Wet Conditions (25th percentile)
- Median Conditions (50th percentile)
- Dry Conditions (90th percentile)
- Extreme Dry Conditions (99th percentile)

Date: Aug. 1, 2022

Note: One acre-foot equals 325,851 gallons

Lake Travis Level Projection*

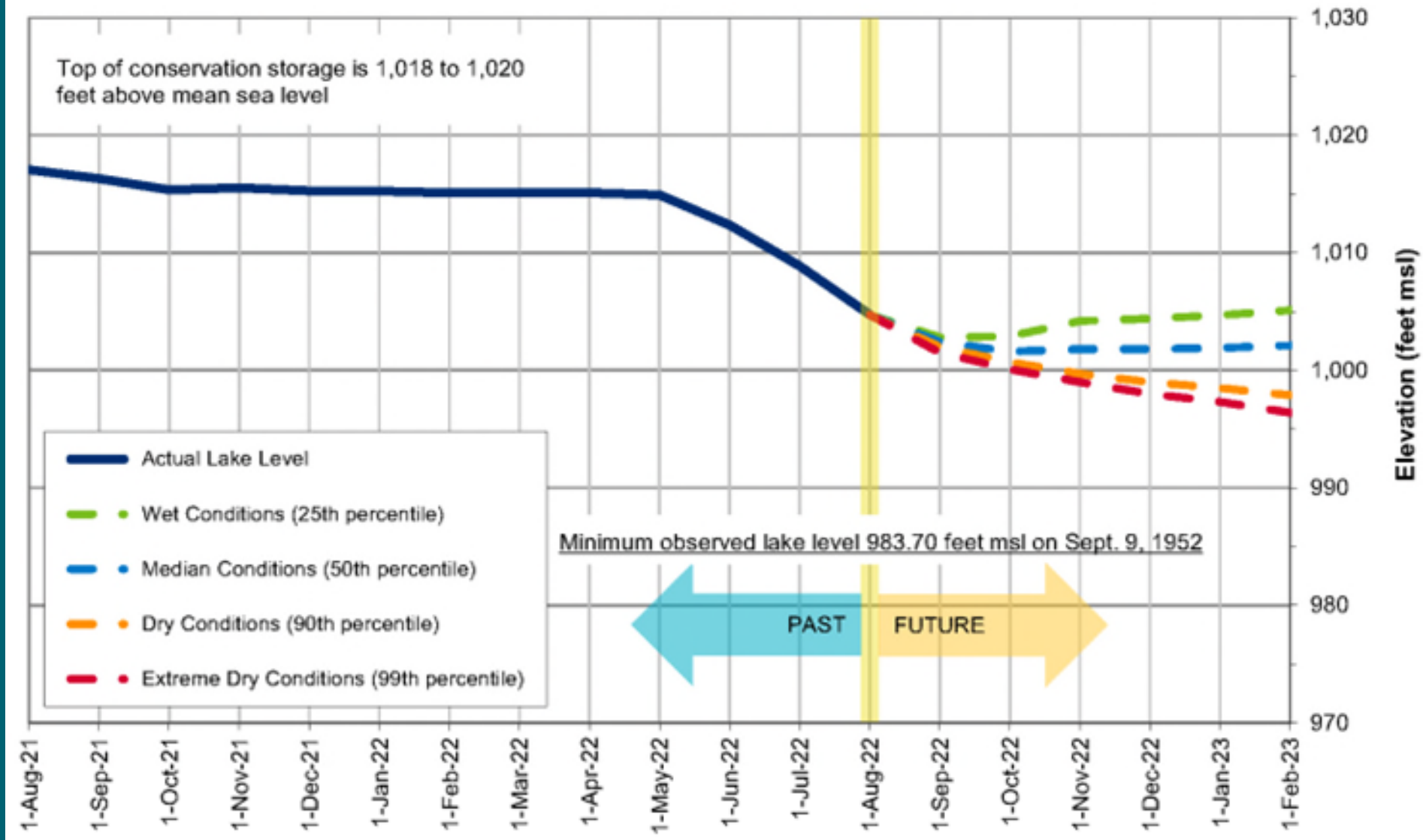


**Average for August:
664.41 feet msl**

**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 August:
1,011.07 feet msl**

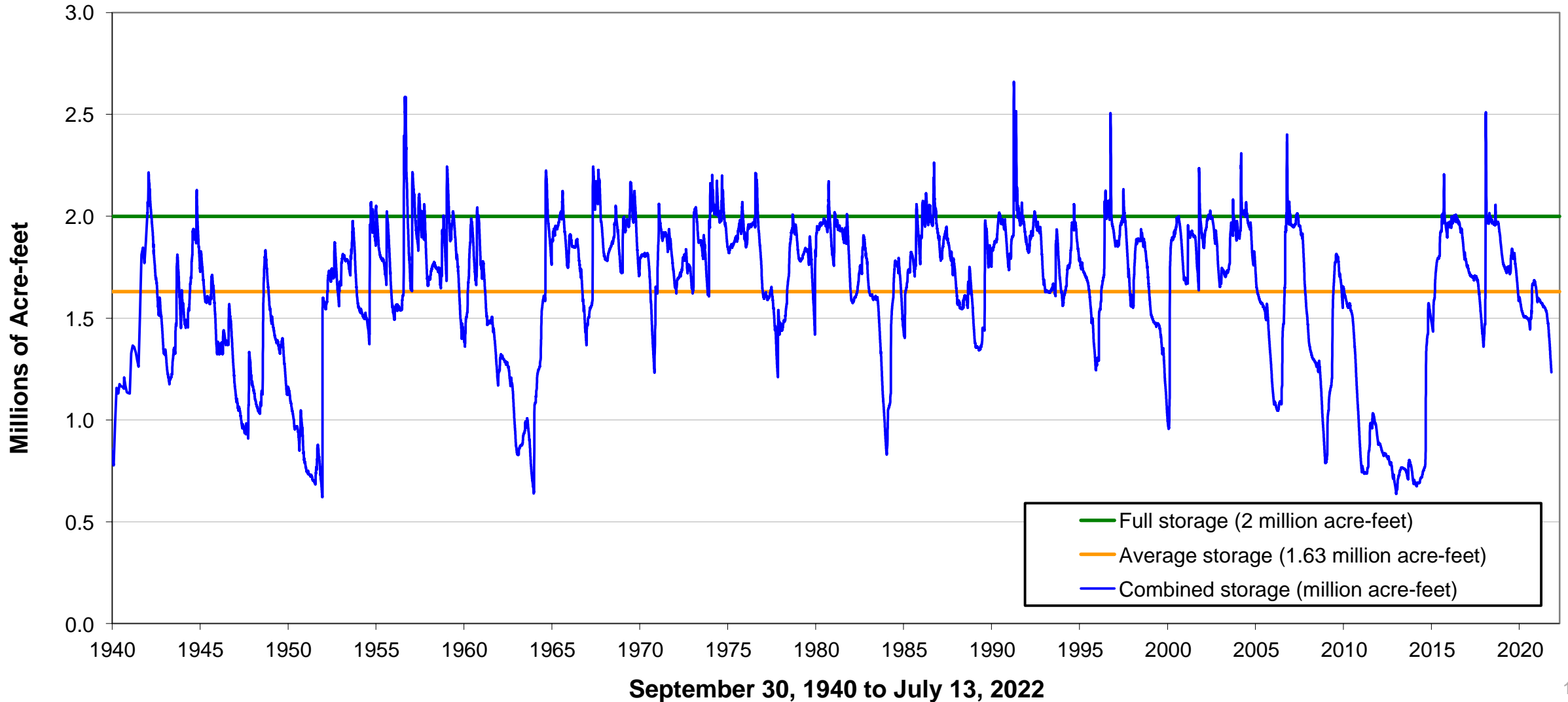
**Historic low (1952):
983.70 feet msl**

Lake Level Comparisons

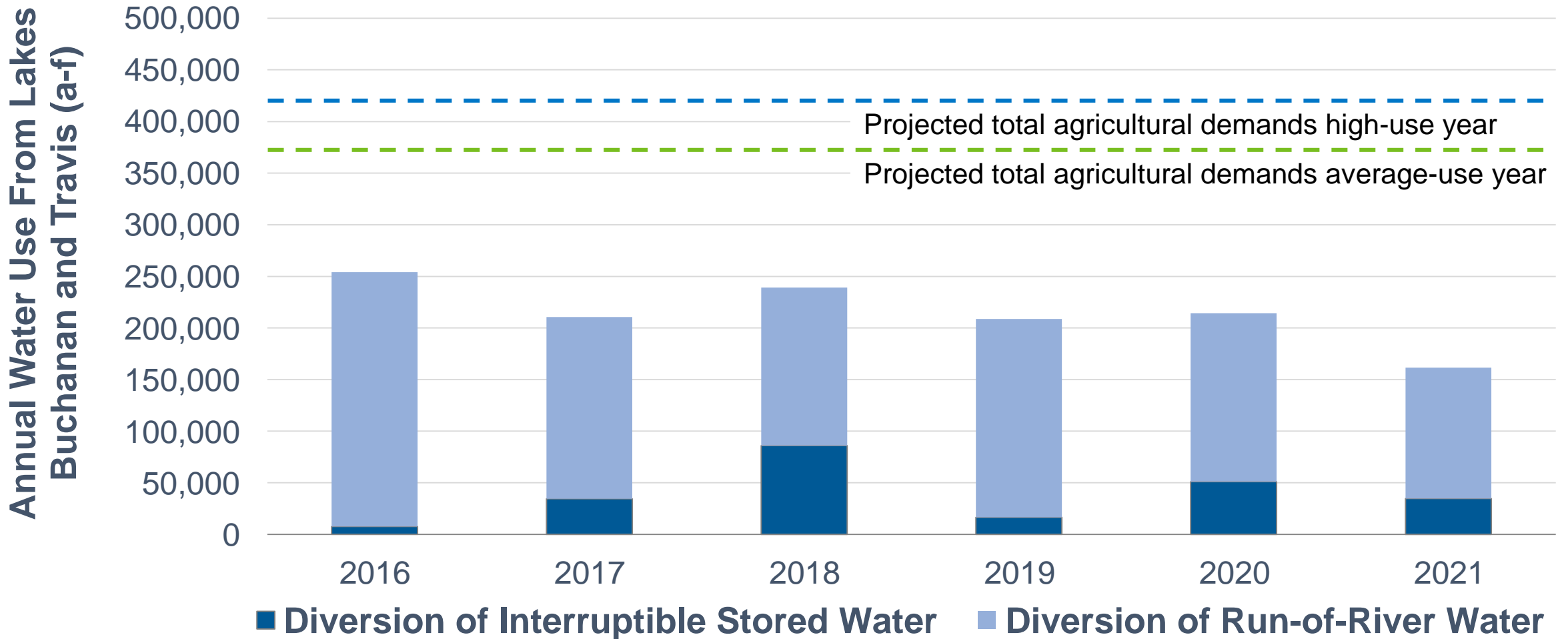
	Aug. 1, 2021	Aug. 1, 2022
Lake Travis (feet msl)	666.41	646.83
Lake Buchanan (feet msl)	1,016.97	1,004.75
Combined storage* (a-f)	1,674,639	1,164,272

*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.

Total Combined Storage - Lakes Buchanan and Travis



Use of Interruptible Stored Water and Run-of-River at the Four Downstream Agricultural Operations



Municipal, Industrial, Recreation and Firm Irrigation Use From Lakes Buchanan and Travis and Colorado River

