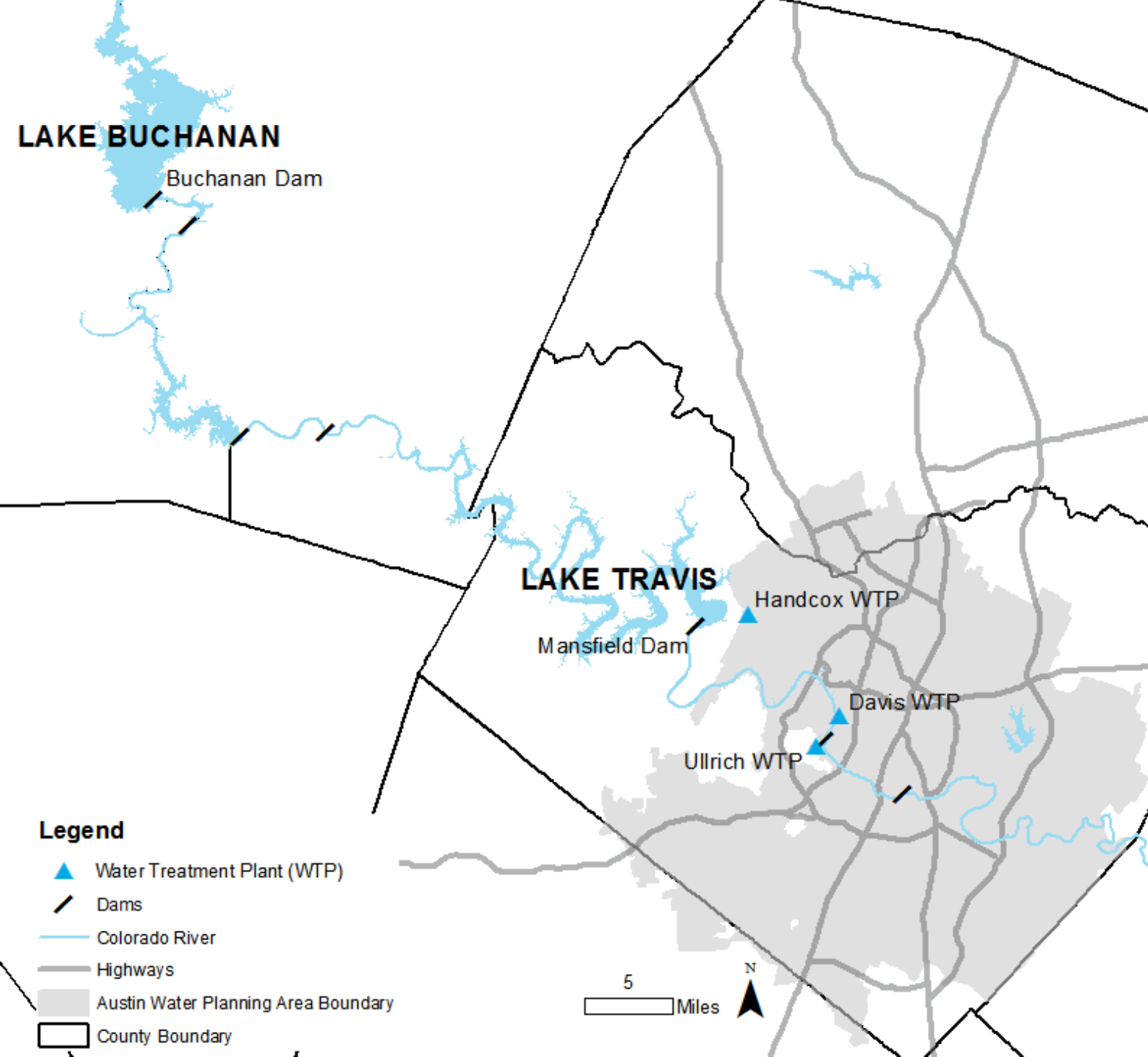




Water Supply & Drought Update

Teresa Lutes, P.E., Managing Engineer, Systems Planning Division
Austin Water Oversight Committee | August 24, 2022





Water Supplies

COA has access to water supplies of up to 325,000 acre-feet per year

Municipal supply comes from a combination of:

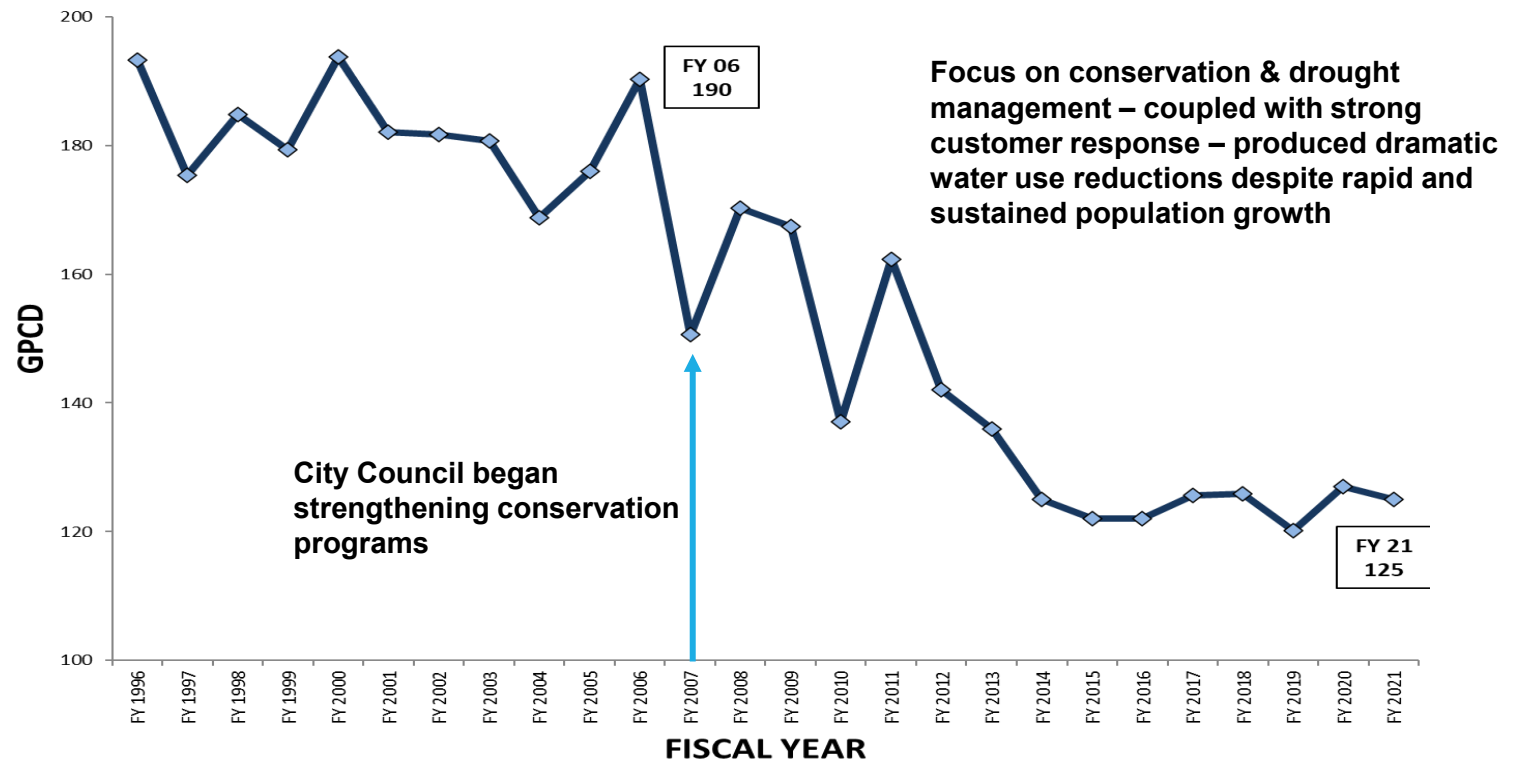
- City of Austin senior water rights (run-of-river)
- Water supply contracts with LCRA (providing firm water and firm back-up to ROR rights)



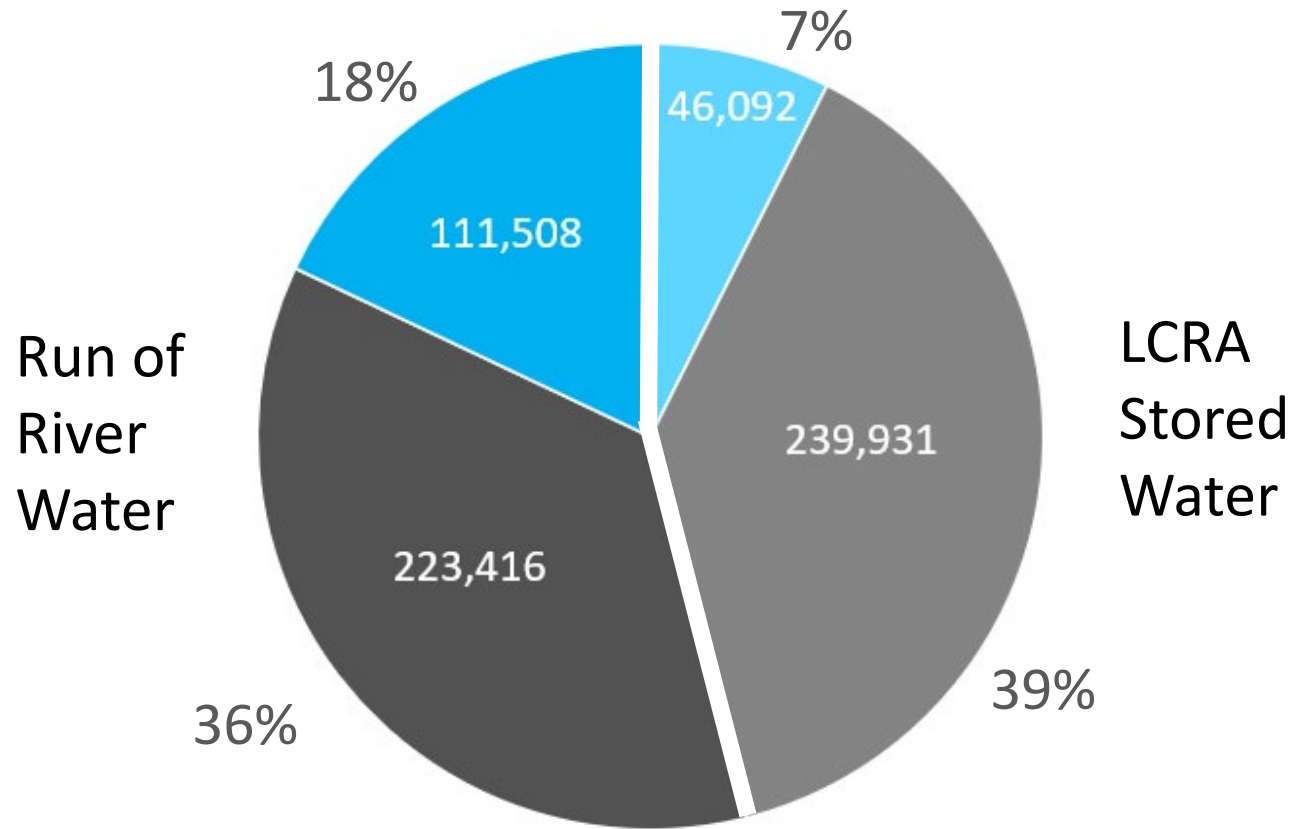
Conservation

- Austin Water = drinking water, wastewater, and reclaimed water utility
- 1.1 million+ served
- Total potable pumpage
 - FY20 157,000 AF
 - FY21 157,800 AF
- Reclaimed water use
 - FY20 4,900 AF
 - FY21 4,900 AF

Significant Reductions in Total Gallons Per Capita Per Day (GPCD) From Conservation & Drought Response



Austin Water's Use of Colorado River and Highland Lakes Water

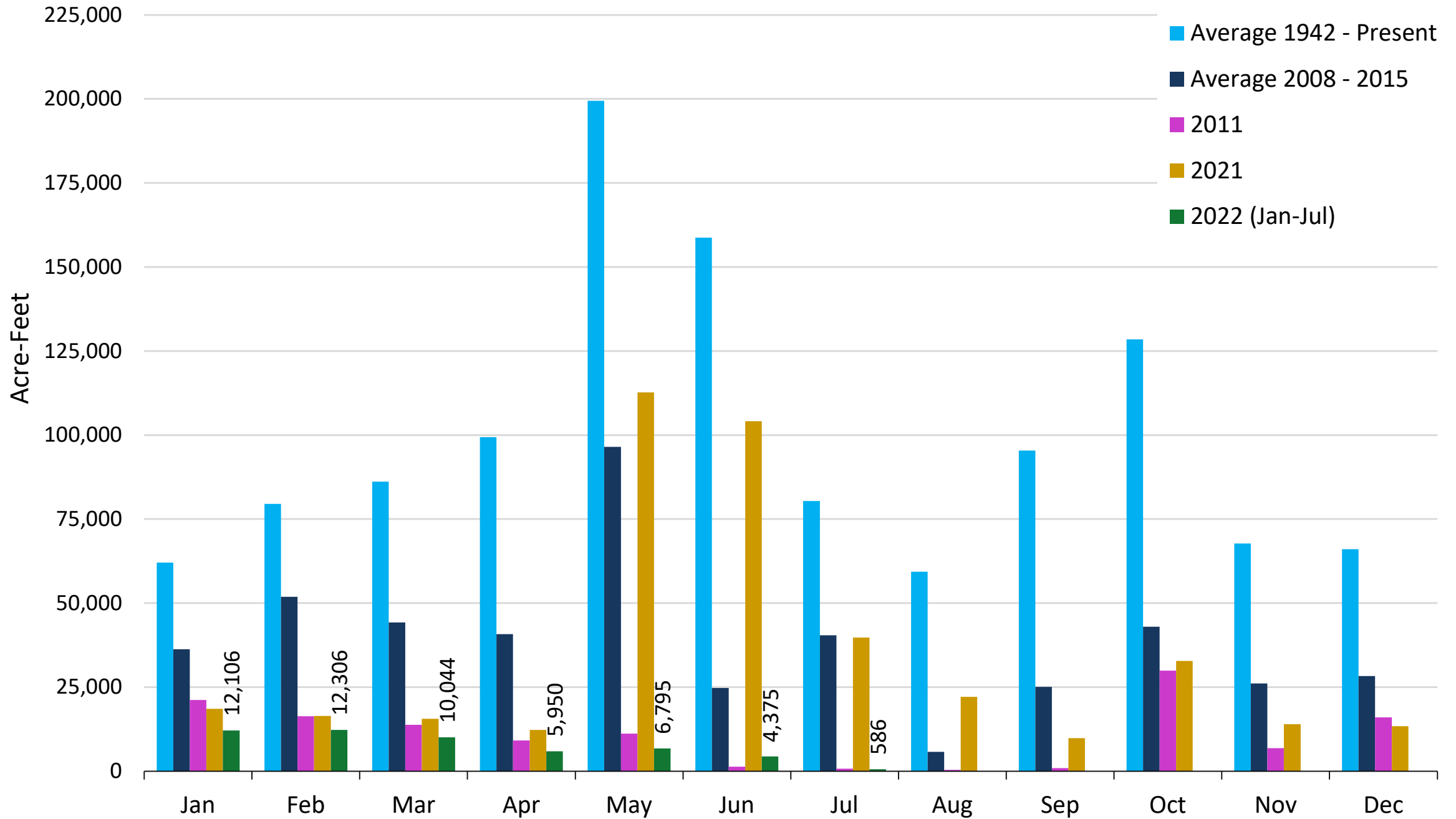


■ Austin Water stored water use ■ All other stored water use
■ All other run of river use ■ Austin Water run of river use

- Average recent 5-year annual use (2017-2021)
- Austin's municipal use
 - 7% LCRA Stored Water
 - 18% City of Austin run-of-river water

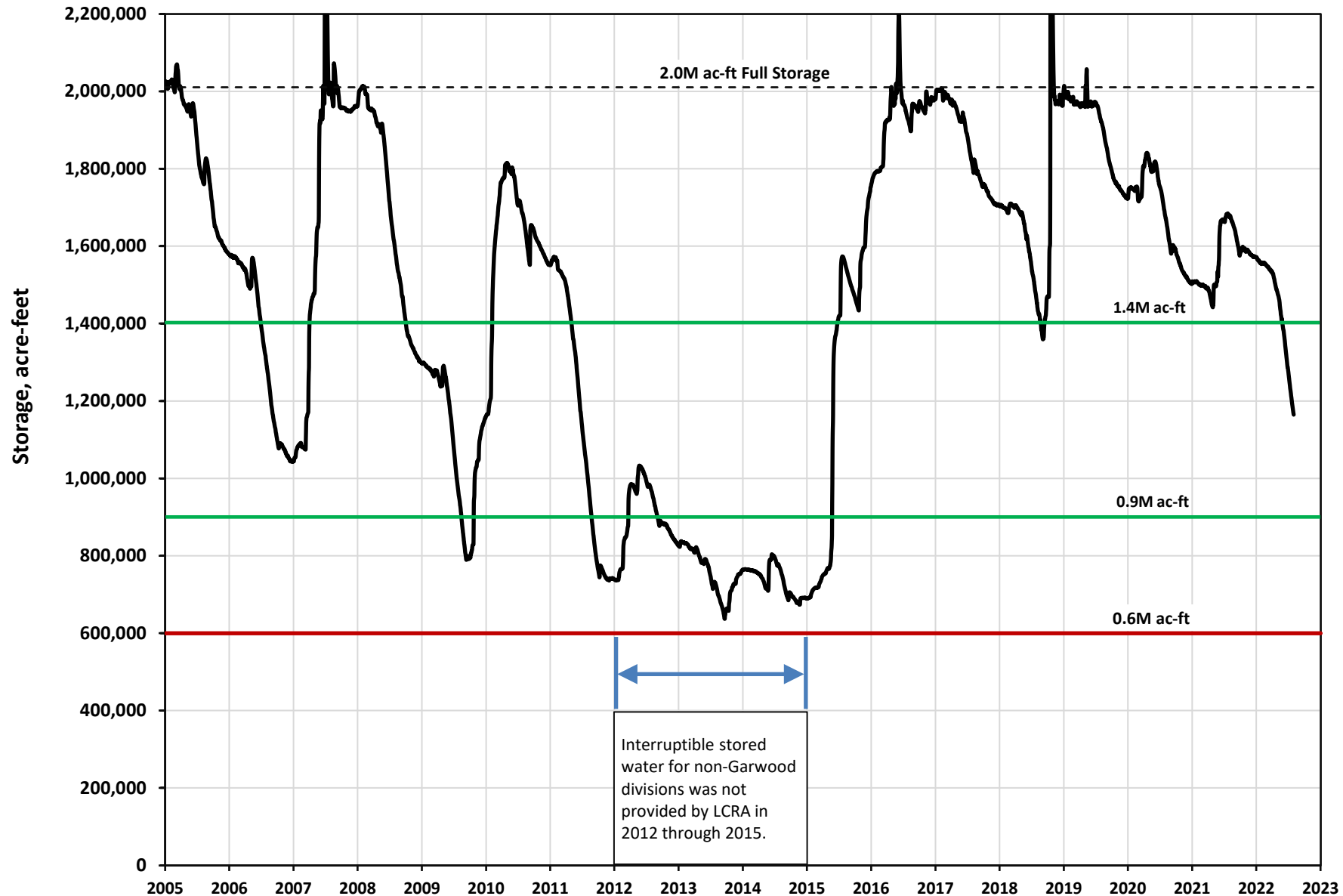


Highland Lakes Inflows



Combined Storage of Lakes Buchanan and Travis

January 1, 2005 through August 1, 2022



Austin Drought
Contingency Plan
(DCP) Storage
Volume Trigger
Levels



DCP Stage 1

DCP Stage 2

DCP Stage 3



Lower Colorado River Authority (LCRA)

- Created by the Texas Legislature in 1934
- Manages the Lower Colorado River and Highland Lakes
- Operates and manages the Lakes Buchanan and Travis in accordance with a Texas Commission on Environmental Quality (TCEQ) approved Water Management Plan (WMP)
- Austin has a formal partnership with LCRA that was established as part of the 2007 settlement agreement

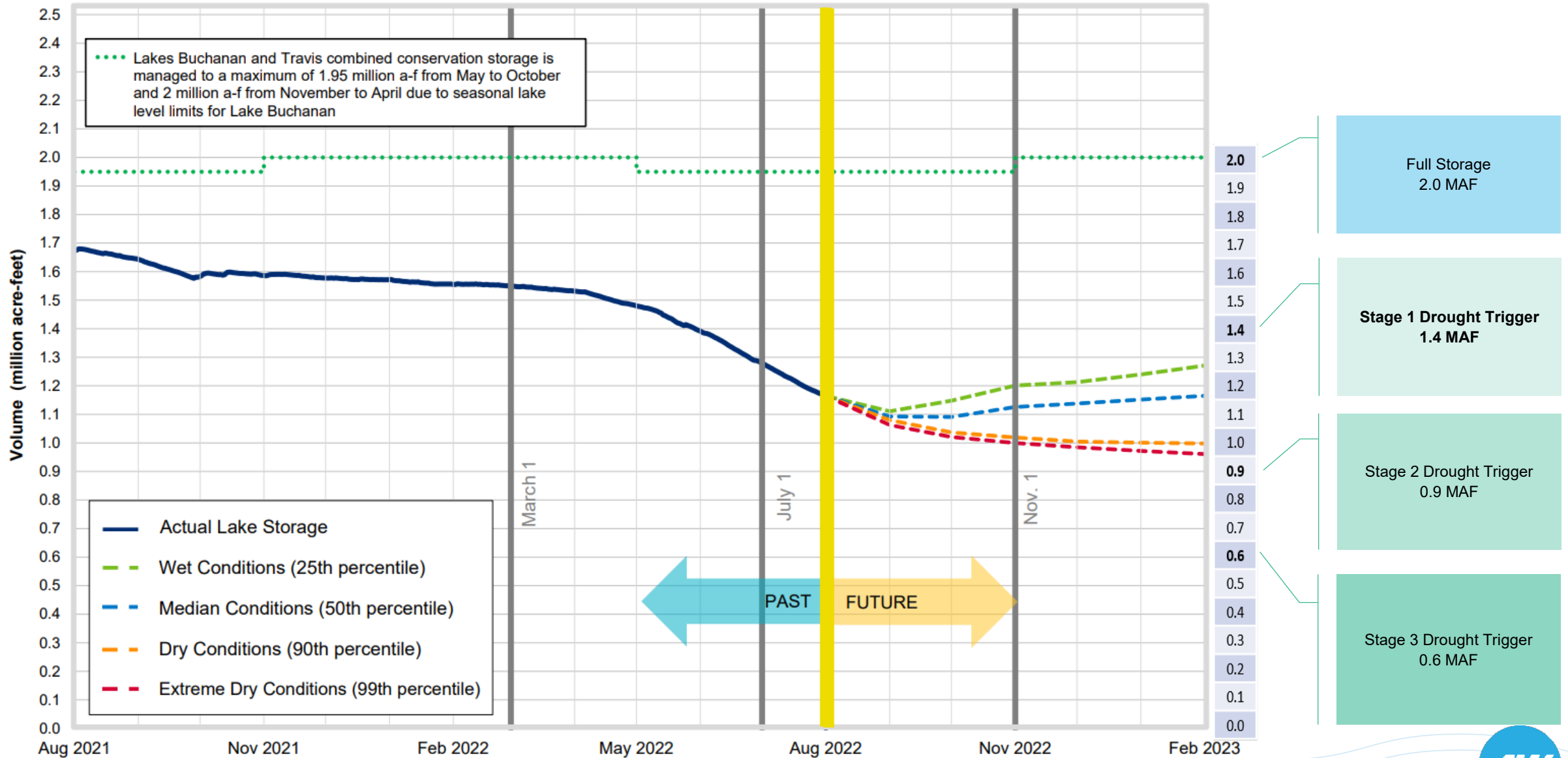


LCRA's Water Management Plan

- The 2020 Water Management Plan (WMP) is being followed, which has limited overall irrigation volumes and cut off interruptible second crop irrigation for the remainder of 2022
- The WMP is based on the worst multiyear drought to date, the drought of the 2010's
- Current LCRA WMP approved by TCEQ in 2020
 - Austin was an active stakeholder in WMP update process
 - Next WMP update scheduled to begin no later than 2025



Lakes Buchanan and Travis Total Combined Storage Projections



Date: Aug. 1, 2022

Note: One acre-foot equals 325,851 gallons



Texas Drought Monitor

Map released: Thurs. August 18, 2022

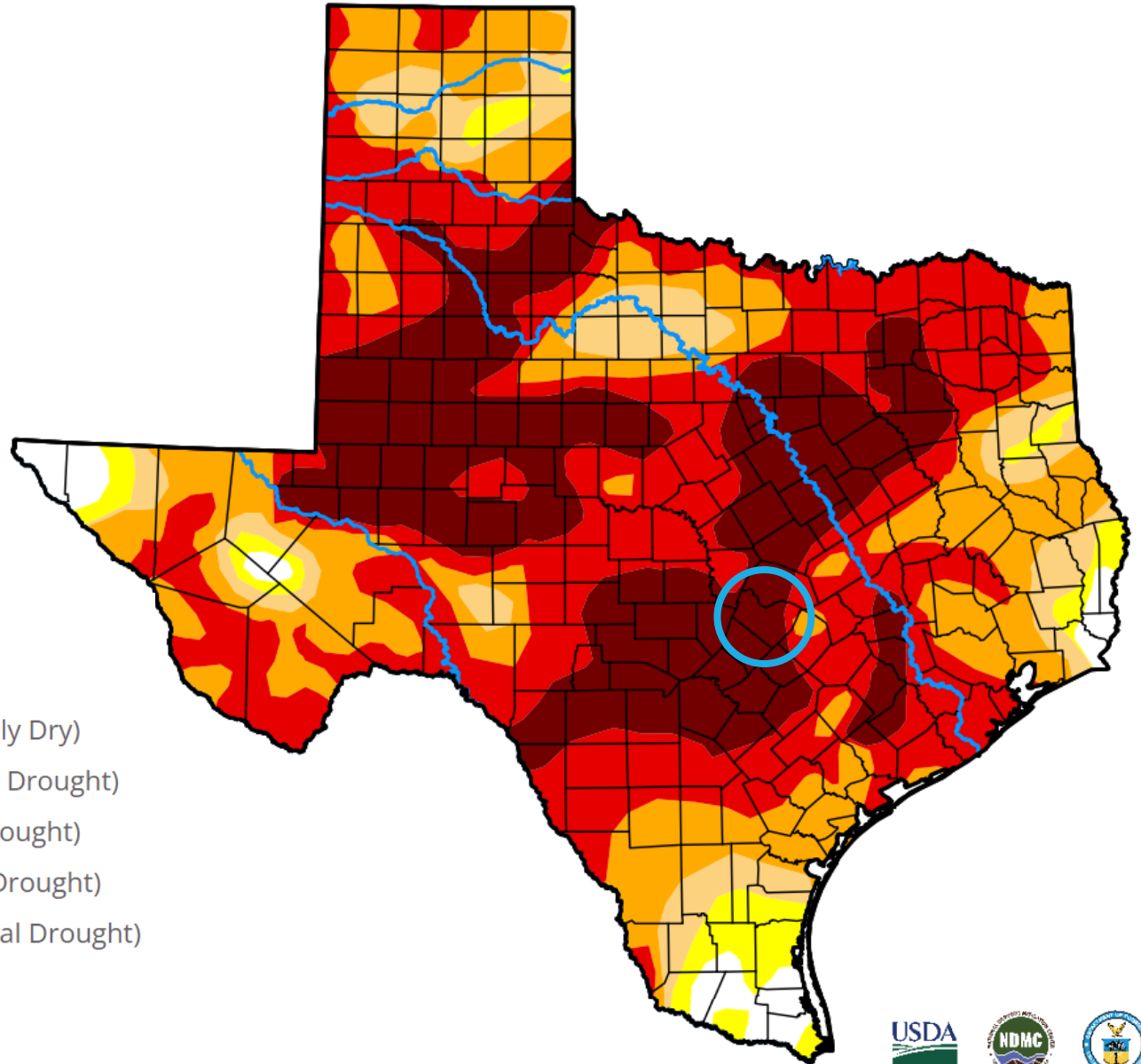
Data valid: August 16, 2022 at 8 a.m. EDT

Drought conditions

- 💧 93% now
- 💧 96% a week ago
- 💧 81% three months ago
- 💧 1% a year ago

Intensity

None	None
D0 (Abnormally Dry)	
D1 (Moderate Drought)	
D2 (Severe Drought)	
D3 (Extreme Drought)	
D4 (Exceptional Drought)	

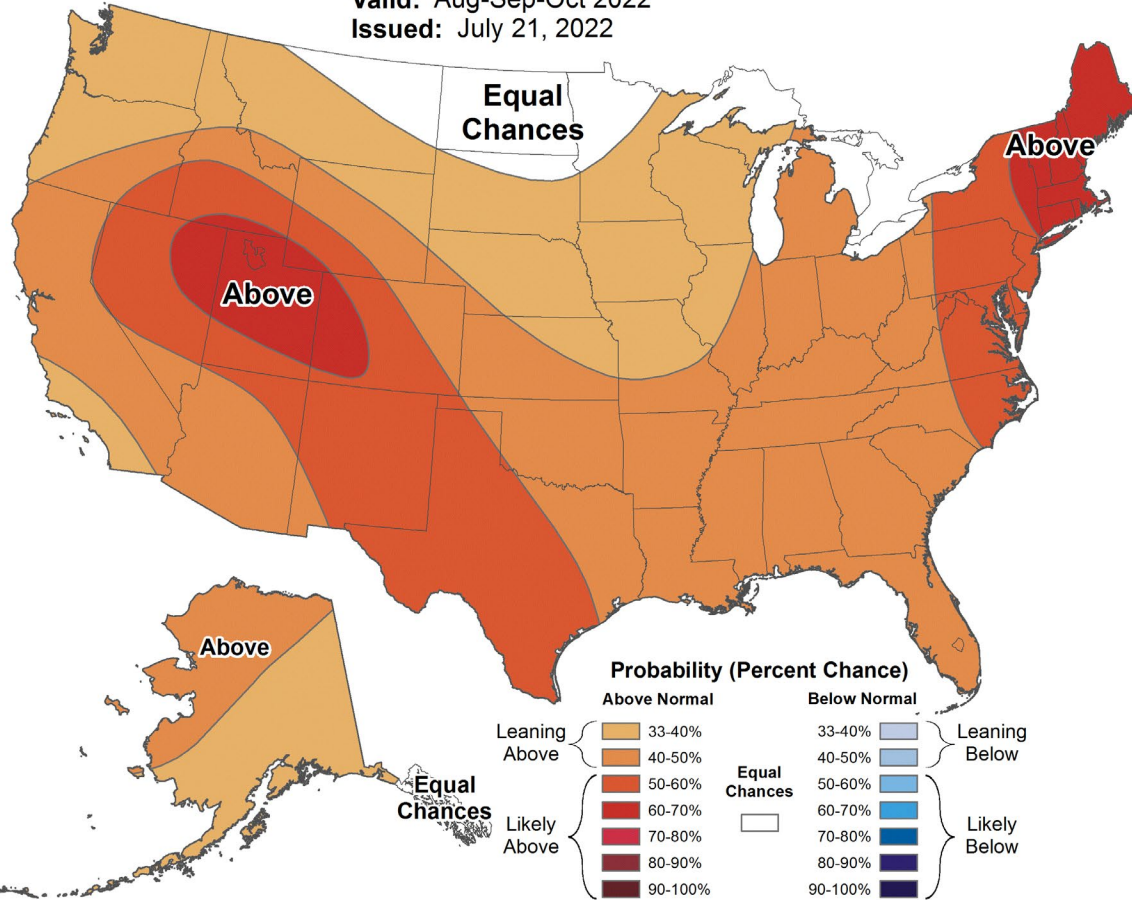


NOAA 3-Month Outlook



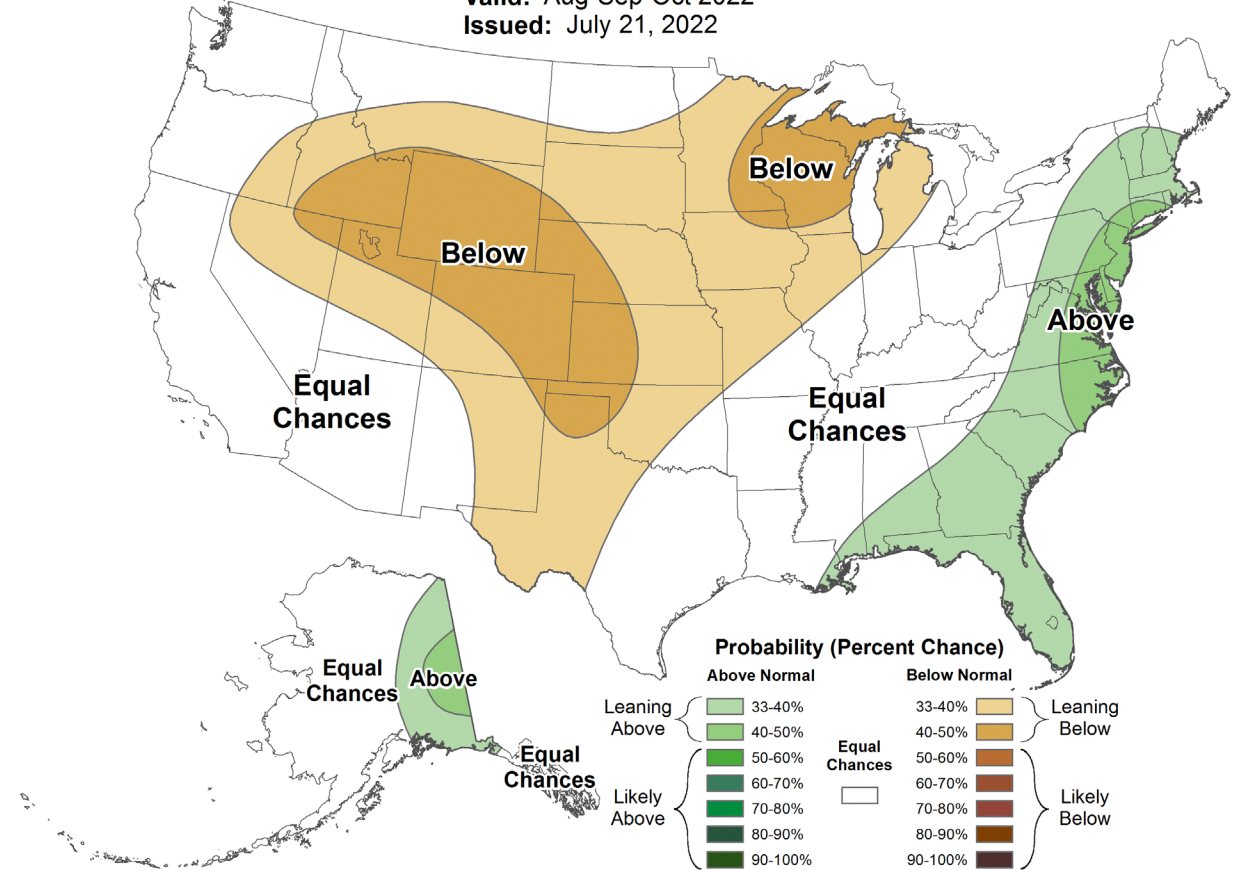
Seasonal Temperature Outlook

Valid: Aug-Sep-Oct 2022
Issued: July 21, 2022



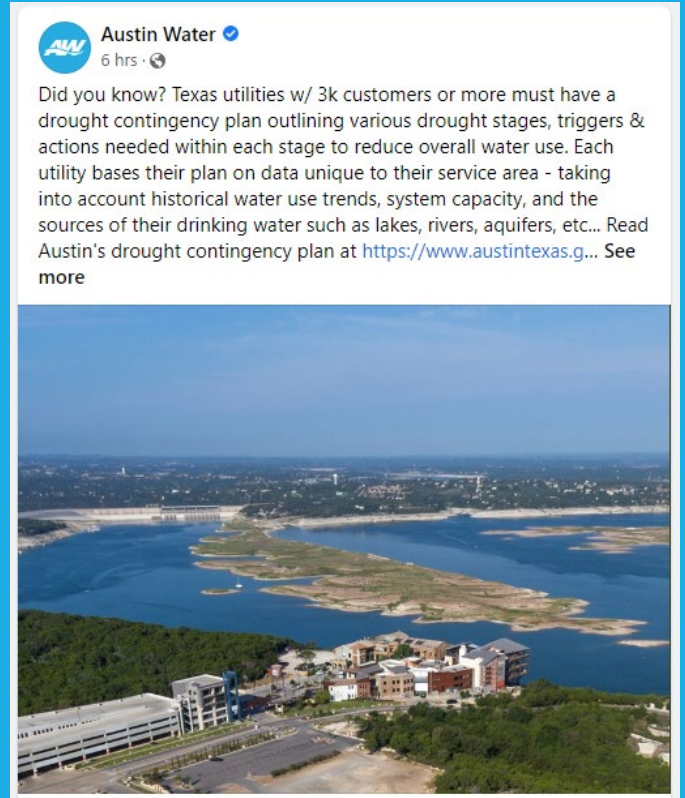
Seasonal Precipitation Outlook


Valid: Aug-Sep-Oct 2022
Issued: July 21, 2022



Next Steps

- We will continue to:
 - Monitor the drought situation
 - Promote water conservation and adherence to our drought contingency plan stages
 - Implement our Water Forward Plan, Austin's integrated water resource plan
- For our customers - we're in this together
 - Take time to look at your own water use
 - Ensure you know your watering schedule and are following it
 - Take steps to save water





Drought Response | AustinTexas.gov
Central Texas Drought Most of Texas, including the Central Texas region, is experiencing serious drought conditions...

www.austintexas.gov

[Drought Response | AustinTexas.gov](https://www.austintexas.gov)



Questions

