

# BOARD OF DIRECTORS MEETING

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July 19, 2022



## PLEDGE OF ALLEGIANCE

I pledge allegiance to the flag of the United States of America, and to the republic for which it stands, one nation under God, indivisible, with liberty and justice for all.



## PLEDGE OF ALLEGIANCE TO THE TEXAS FLAG

Honor the Texas flag; I pledge allegiance to thee, Texas, one state under God, one and indivisible.



# 2

## Public Comment





# 3

Consider Approval of the Minutes from the Meeting Held on June 21, 2022





# 4

Consider Approval of Resolution Authorizing the Issuance, Sale, and Delivery of the Tarrant Regional Water District, a Water Control and Improvement District, Water Revenue ECP Series A Refunding Bonds, Pledging Revenues for the Payment of the Bonds, Approving an Official Statement, and Authorizing Other Instruments and Procedures Relating Thereto

*Sandy Newby, Chief Financial Officer*



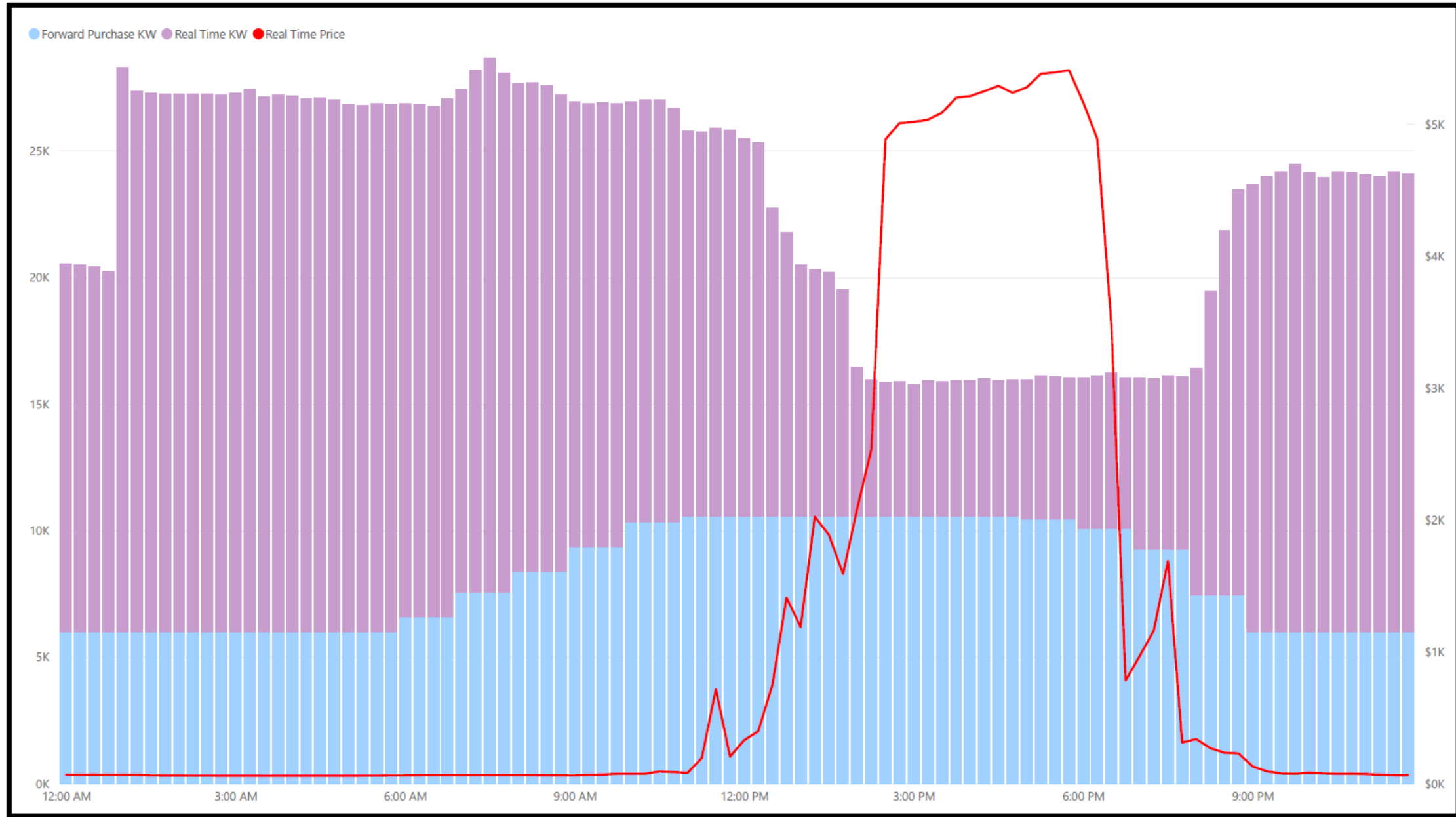
# 5

## Consider Approval of Contract with GDS Associates, Inc. for Energy Management Consulting Services

*Zachary Huff, Water Resources Engineering Director*

# TRWD Saved \$197,000 on Wednesday Afternoon

WATER SUPPLY · FLOOD PROTECTION · RECREATION



# 6

## Consider Approval of Release of Retainage and Contract Closeout with Norse Technology for Gate Controllers at Richland-Chambers Spillway

Darrell Beason, *Chief Operations Officer*





WATER SUPPLY · FLOOD PROTECTION · RECREATION





WATER SUPPLY · FLOOD PROTECTION · RECREATION



WATER SUPPLY · FLOOD PROTECTION · RECREATION

# Staff Update

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## Fort Worth's Fourth Update

Darrell Beason, *Chief Operations Officer*

# Fort Worth's Fourth

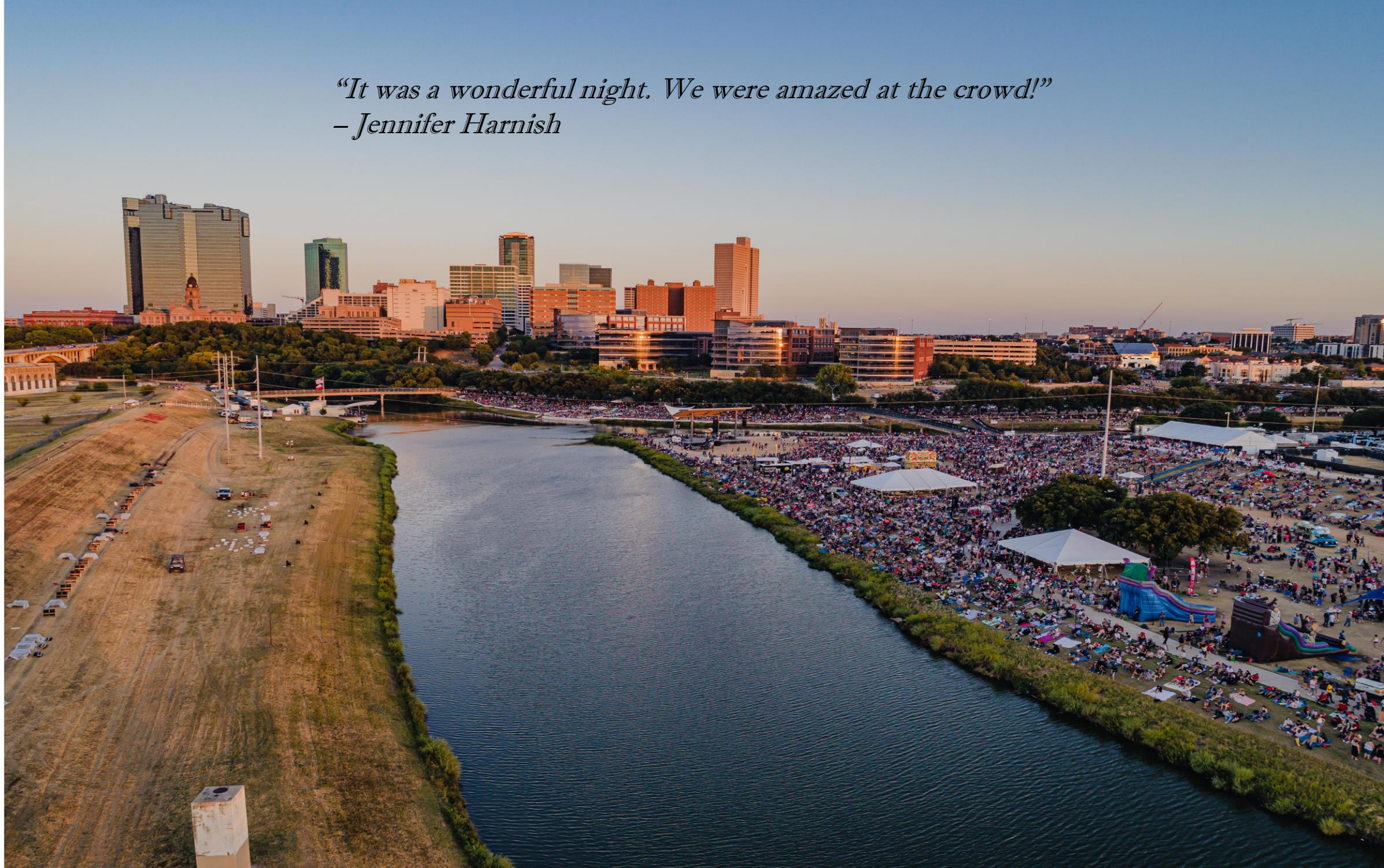
AT PANTHER ISLAND PAVILION

The logo for 'Fort Worth's Fourth' is centered at the top. It features the text 'Fort Worth's Fourth' in a large, dark blue, cursive font. Below this, a smaller banner reads 'AT PANTHER ISLAND PAVILION'. The entire logo is surrounded by a circular arrangement of stars in light blue, dark blue, and red. At the bottom of the star arrangement is a stylized graphic of a water drop or wave in red, white, and blue.

PRESENTED BY



*“It was a wonderful night. We were amazed at the crowd!”*  
*– Jennifer Harnish*



WATER SUPPLY · FLOOD PROTECTION · RECREATION





WATER SUPPLY · FLOOD PROTECTION · RECREATION



WATER SUPPLY · FLOOD PROTECTION · RECREATION





*“Thank you again for an amazing event.” – Jack Lawless, Red Bull (FW4 sponsor)*




WATER SUPPLY · FLOOD PROTECTION · RECREATION



WATER SUPPLY · FLOOD PROTECTION · RECREATION





*“LOVED being on the water with the awesome music of Metal Shop, the F16 Flyover and wide variety of food trucks.”  
– Tammi Macaj*



WATER SUPPLY · FLOOD PROTECTION · RECREATION



*“Lockheed Martin is proud of our hometown and proud of the citizens that support us. We look forward to our 16th year of sponsoring the 4th of July on our wonderful Trinity River in 2023.”  
– Eric Fox, Director at Lockheed Martin Aeronautics Company.*





WATER SUPPLY · FLOOD PROTECTION · RECREATION





WATER SUPPLY · FLOOD PROTECTION · RECREATION



*Over 90,000 patrons attended Fort Worth's Fourth...  
Thank you Fort Worth!*



WATER SUPPLY · FLOOD PROTECTION · RECREATION







PRESENTED BY



SKYROCKET SPONSORS



FIRECRACKER SPONSORS



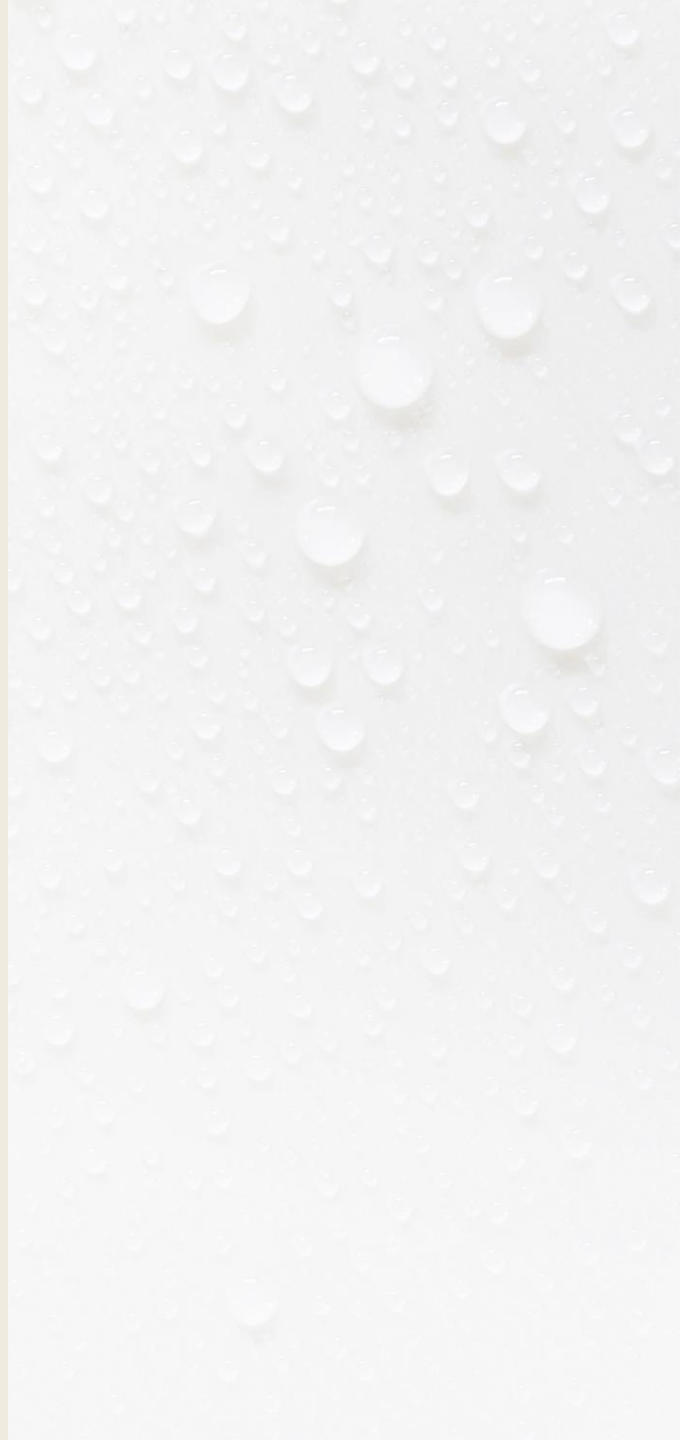
CHERRY BOMB SPONSORS



SPARKLER SPONSORS



MEDIA SPONSORS



# Staff Update

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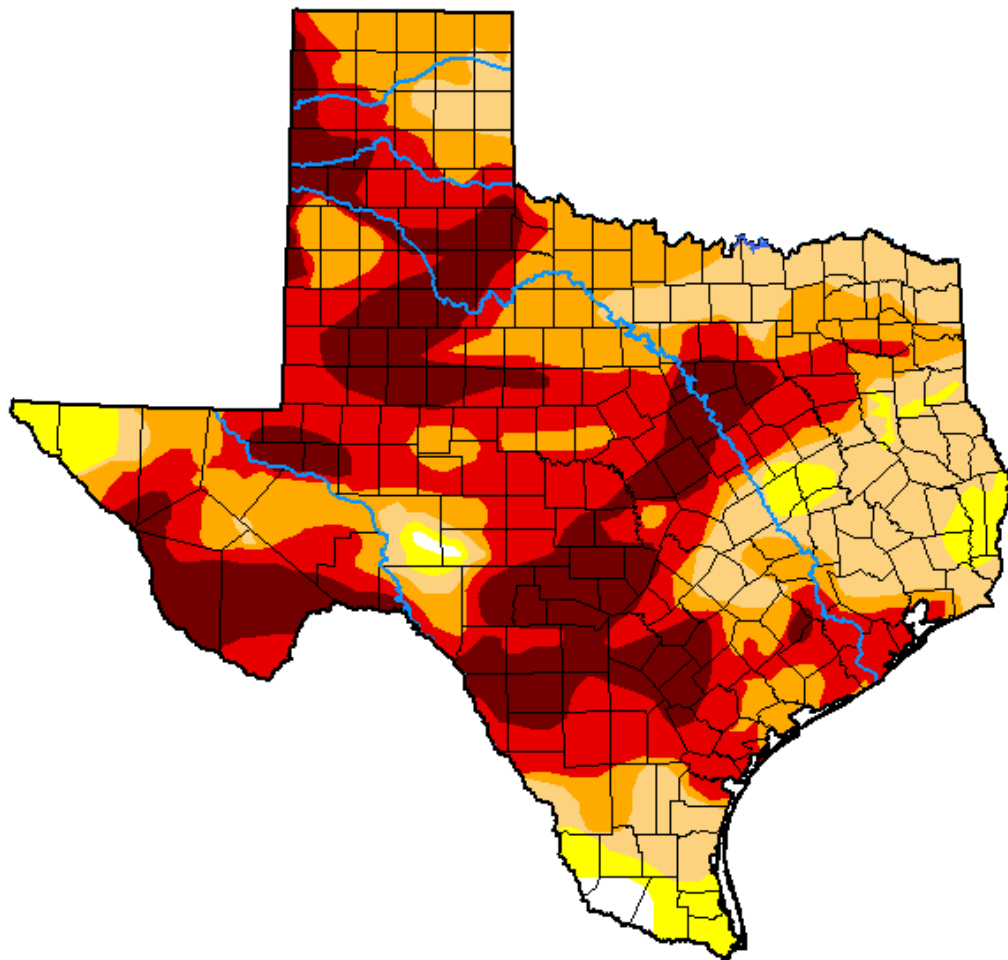
## Water Resources Update

Rachel Ickert, *Chief Water Resources Officer*



# U.S. Drought Monitor Texas

**July 12, 2022**  
(Released Thursday, Jul. 14, 2022)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.76	99.24	93.82	75.70	51.80	21.32
<b>Last Week</b> <i>07-05-2022</i>	2.47	97.53	86.79	66.05	45.91	16.11
<b>3 Months Ago</b> <i>04-12-2022</i>	2.87	97.13	87.66	74.12	49.11	14.20
<b>Start of Calendar Year</b> <i>01-04-2022</i>	7.58	92.42	79.83	54.25	16.69	0.00
<b>Start of Water Year</b> <i>09-28-2021</i>	45.57	54.43	7.26	0.27	0.00	0.00
<b>One Year Ago</b> <i>07-13-2021</i>	91.38	8.62	5.34	1.16	0.00	0.00

Intensity:

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

*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:

Brian Fuchs  
National Drought Mitigation Center



# U.S. Drought Monitor Texas

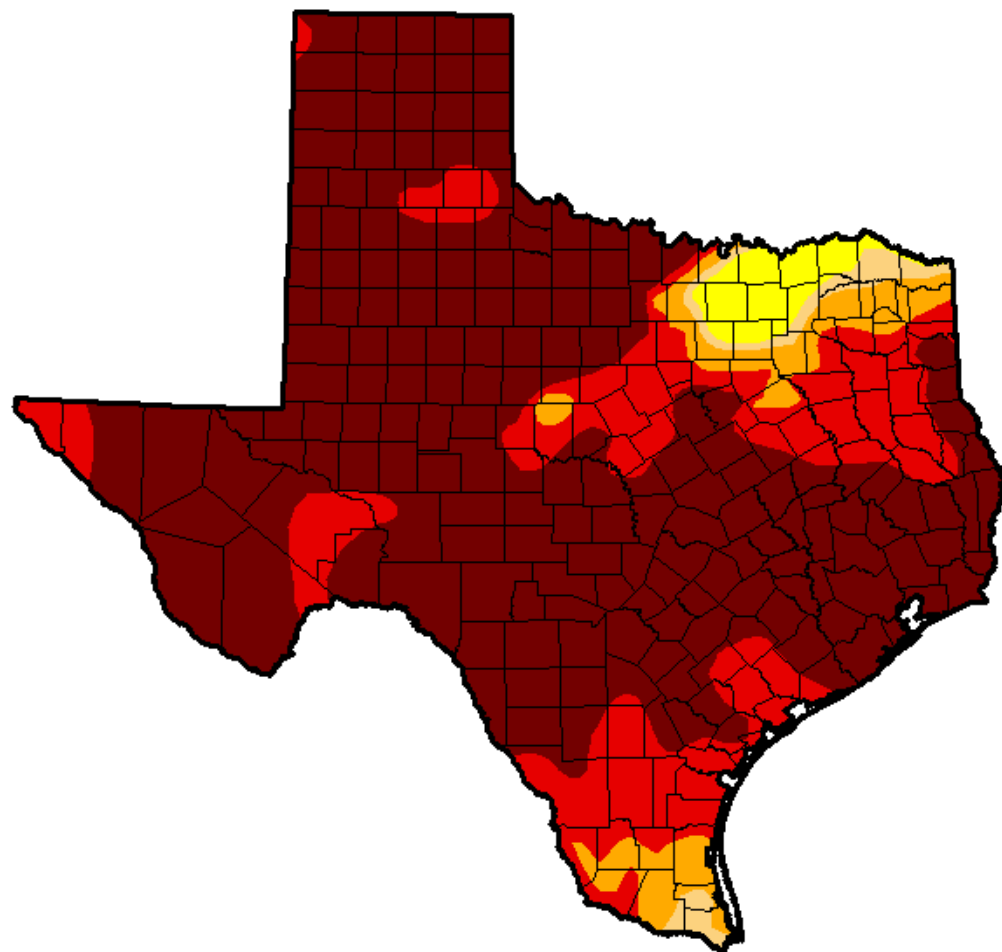
**July 12, 2011**

*(Released Thursday, Jul. 14, 2011)*

Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	97.43	95.78	90.97	71.66
<b>Last Week</b> <i>7/5/2011</i>	2.41	97.59	95.73	94.39	90.21	71.30
<b>3 Months Ago</b> <i>4/12/2011</i>	0.00	100.00	97.94	86.43	60.57	10.03
<b>Start of Calendar Year</b> <i>1/4/2011</i>	13.55	86.45	66.68	36.30	13.04	0.00
<b>Start of Water Year</b> <i>9/28/2010</i>	75.57	24.43	2.43	0.99	0.00	0.00
<b>One Year Ago</b> <i>7/13/2010</i>	82.85	17.15	7.36	1.67	0.00	0.00



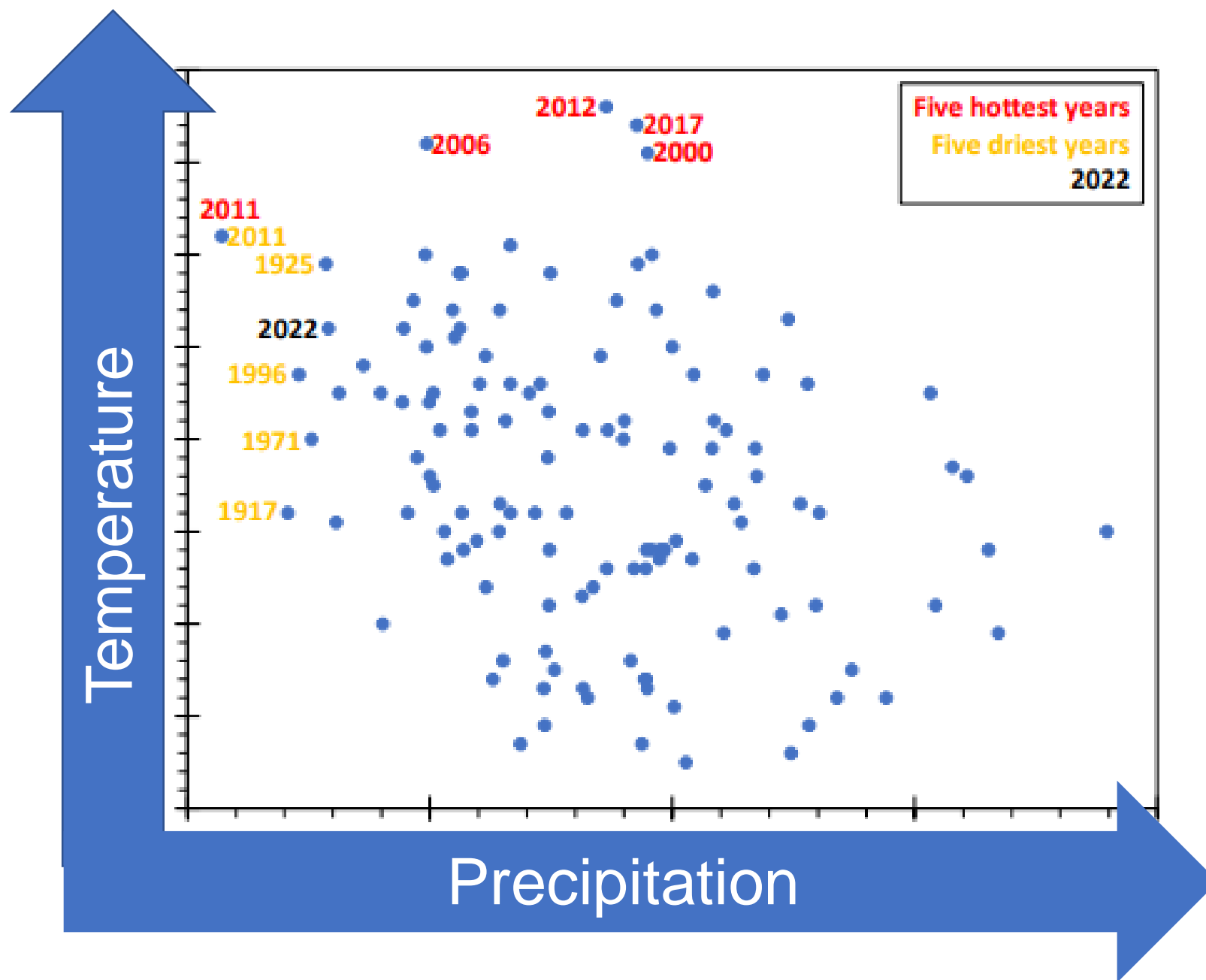
Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**

David Miskus  
NOAA/NWS/NCEP/CPC

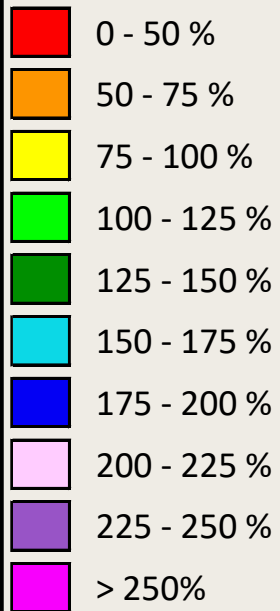


Each dot is a year since 1895 – January-June Data  
From Texas Water Development Board  
“Water Weekly” 07/18/22

# Percent of Normal Rainfall

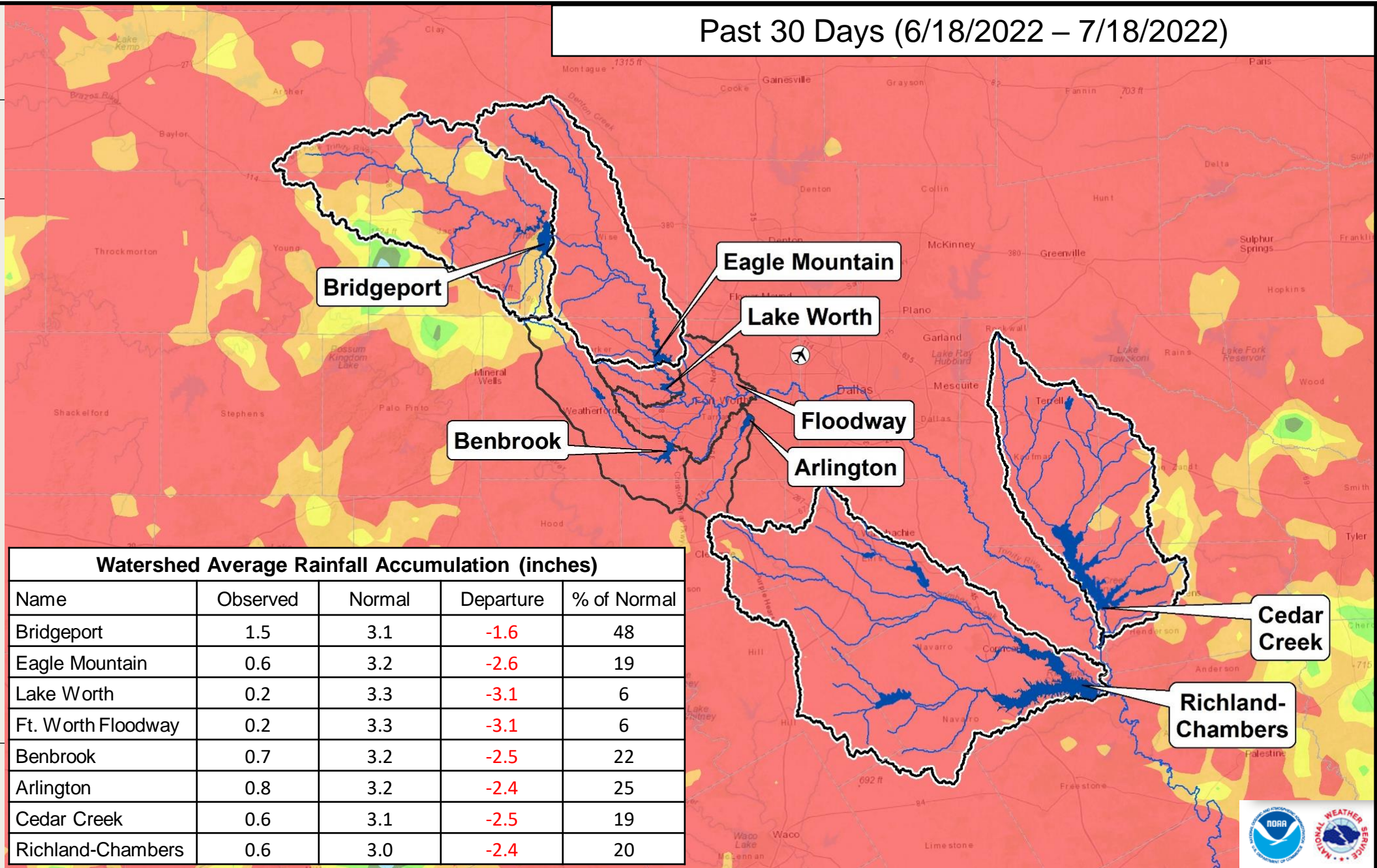


## LEGEND



Precipitation totals are obtained from NOAA's NWS. The totals displayed are estimated by the WGRFC. The data is processed and displayed using ESRI ArcGIS.

Past 30 Days (6/18/2022 – 7/18/2022)



Watershed Average Rainfall Accumulation (inches)				
Name	Observed	Normal	Departure	% of Normal
Bridgeport	1.5	3.1	-1.6	48
Eagle Mountain	0.6	3.2	-2.6	19
Lake Worth	0.2	3.3	-3.1	6
Ft. Worth Floodway	0.2	3.3	-3.1	6
Benbrook	0.7	3.2	-2.5	22
Arlington	0.8	3.2	-2.4	25
Cedar Creek	0.6	3.1	-2.5	19
Richland-Chambers	0.6	3.0	-2.4	20



# Percent of Normal Rainfall

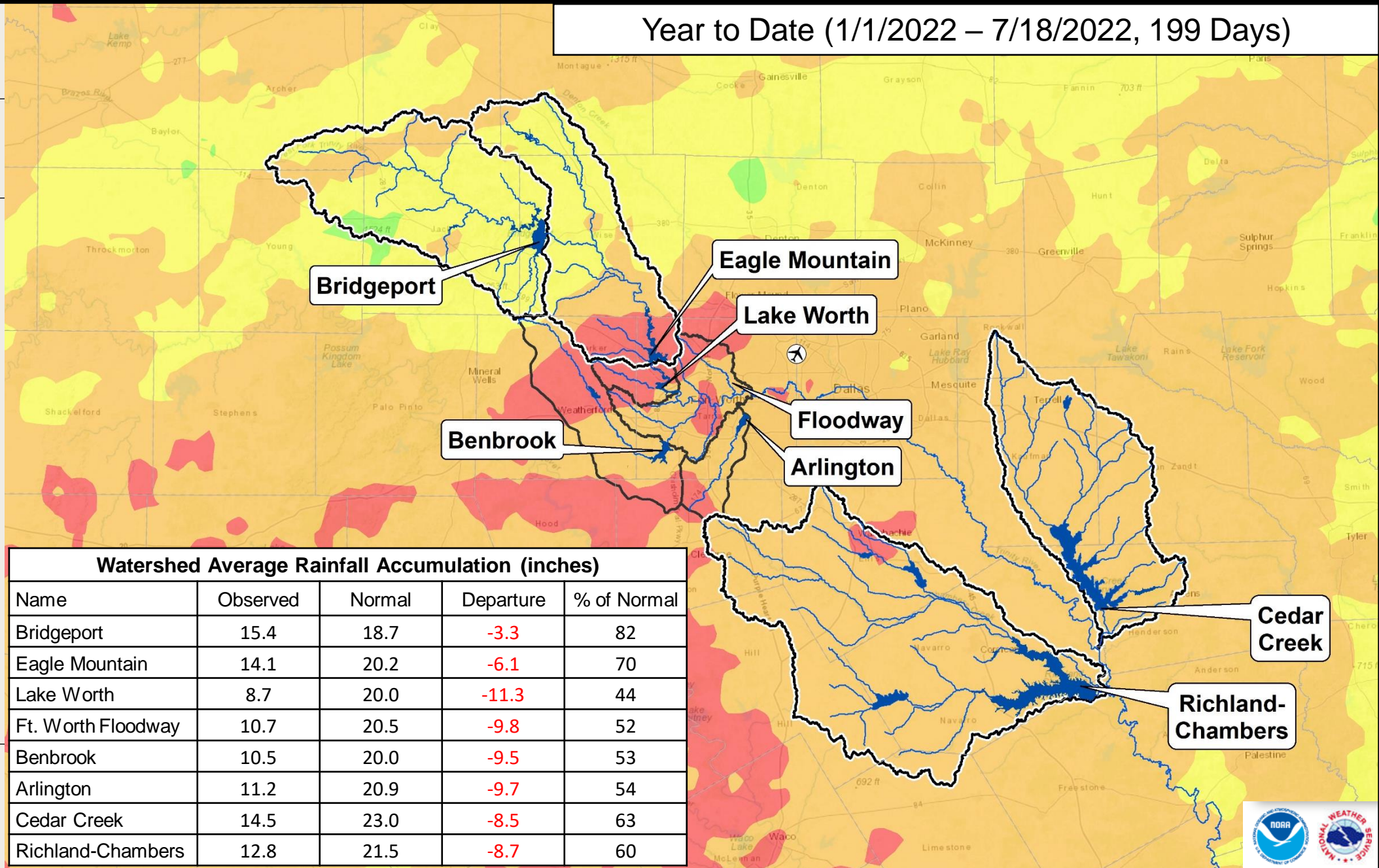


## LEGEND

- 0 - 50 %
- 50 - 75 %
- 75 - 100 %
- 100 - 125 %
- 125 - 150 %
- 150 - 175 %
- 175 - 200 %
- 200 - 225 %
- 225 - 250 %
- > 250%

Precipitation totals are obtained from NOAA's NWS. The totals displayed are estimated by the WGRFC. The data is processed and displayed using ESRI ArcGIS.

Year to Date (1/1/2022 – 7/18/2022, 199 Days)



Watershed Average Rainfall Accumulation (inches)				
Name	Observed	Normal	Departure	% of Normal
Bridgeport	15.4	18.7	-3.3	82
Eagle Mountain	14.1	20.2	-6.1	70
Lake Worth	8.7	20.0	-11.3	44
Ft. Worth Floodway	10.7	20.5	-9.8	52
Benbrook	10.5	20.0	-9.5	53
Arlington	11.2	20.9	-9.7	54
Cedar Creek	14.5	23.0	-8.5	63
Richland-Chambers	12.8	21.5	-8.7	60

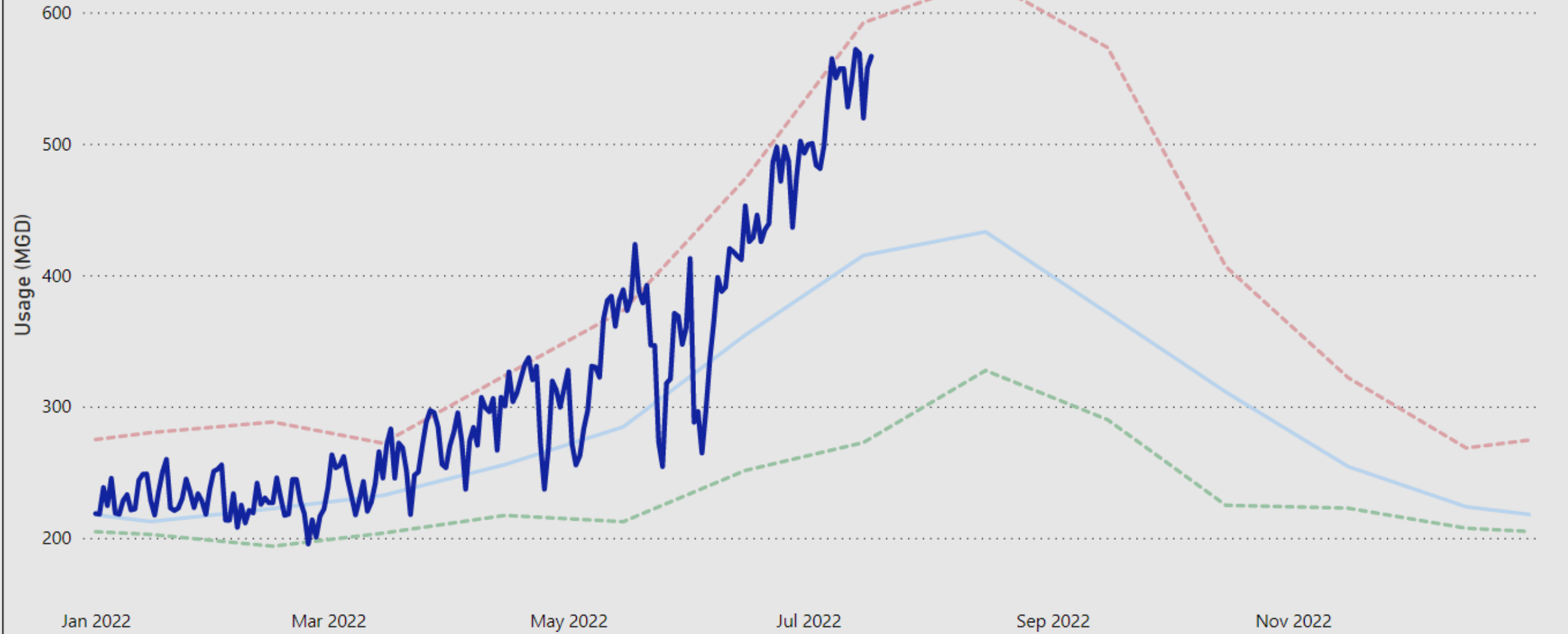


# 2022 Demands of TRWD Four Primary Customers



\*As of 7/17/2022

Expected Use (Avg) Expected Use (Dry) Expected Use (Wet) Actual Use







# WEEKLY WATERING ADVICE

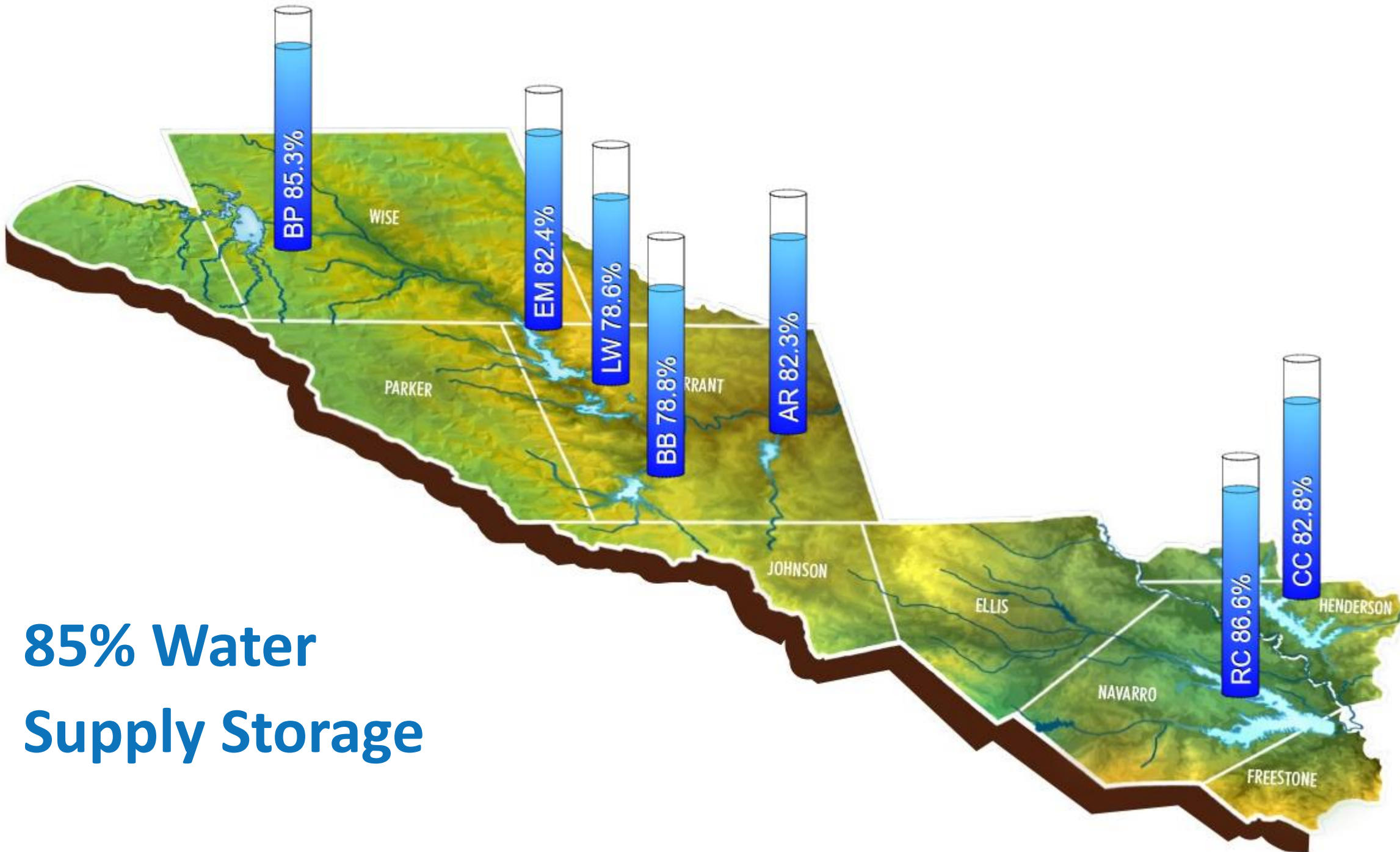
MON, JUL 18TH - SUN, JUL 24TH

[SIGN UP FOR WEEKLY UPDATES](#)

## RECOMMENDED WATERING AMOUNT

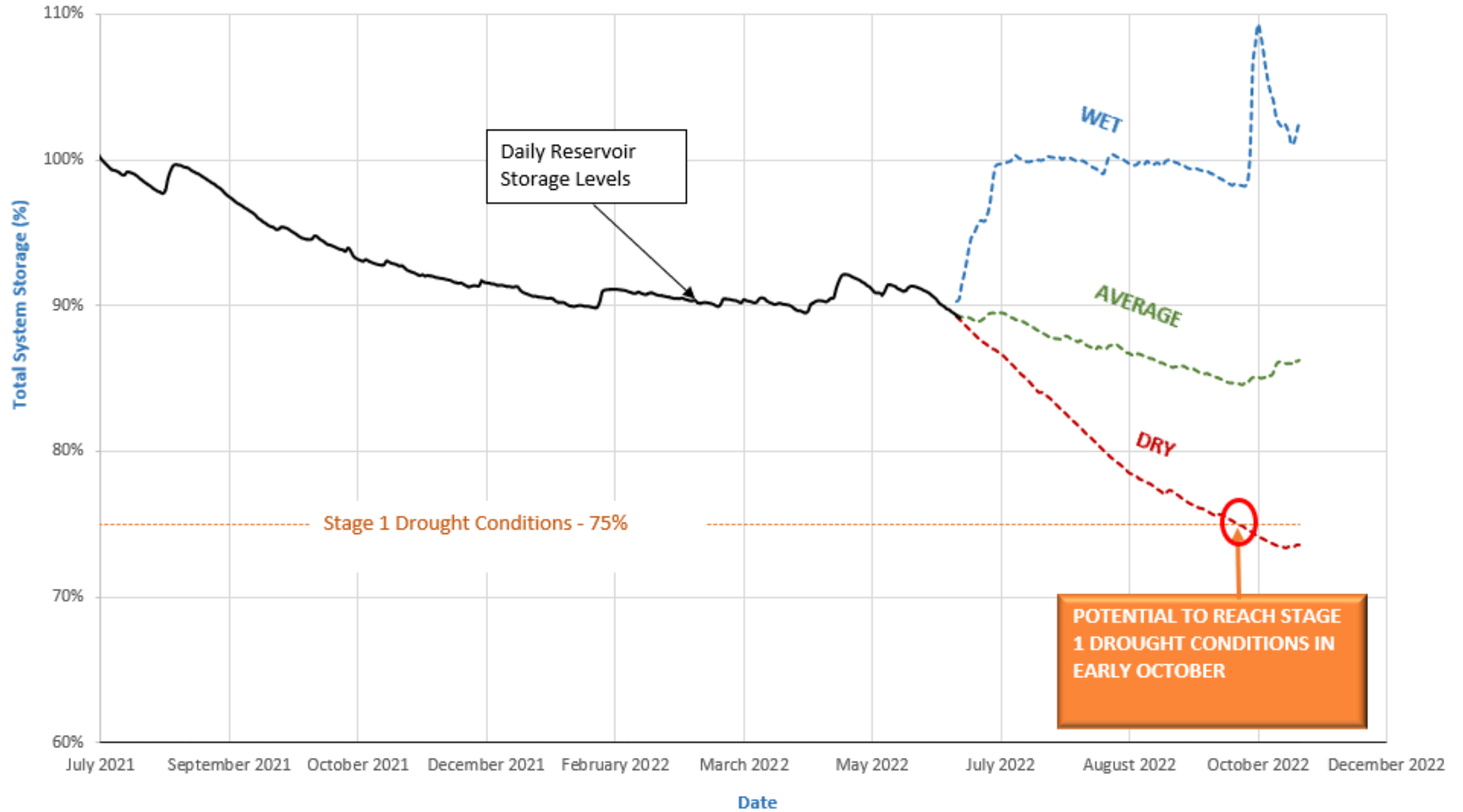
**0.00" - 0.75"**

Most lawns need water this week but there are a couple of important notes to share. Water providers are asking customers to increase water conservation measures due to extreme demands from outdoor watering. North Texas Municipal Water District is requesting to delay outdoor watering this week because of emergency maintenance at their water treatment plant. City of Dallas Water Utilities is asking residents and businesses to conserve water, reduce water demands and to follow the twice weekly watering schedule because of a big increase in water main line breaks. Check your city and/or water provider website to see if there are any specific measures and schedules for your community. Continue best practices of no more than two days per week with sprinklers, program short cycles with multiple start times to reduce waste, don't water during the day, and make sure sprinklers are operating correctly.

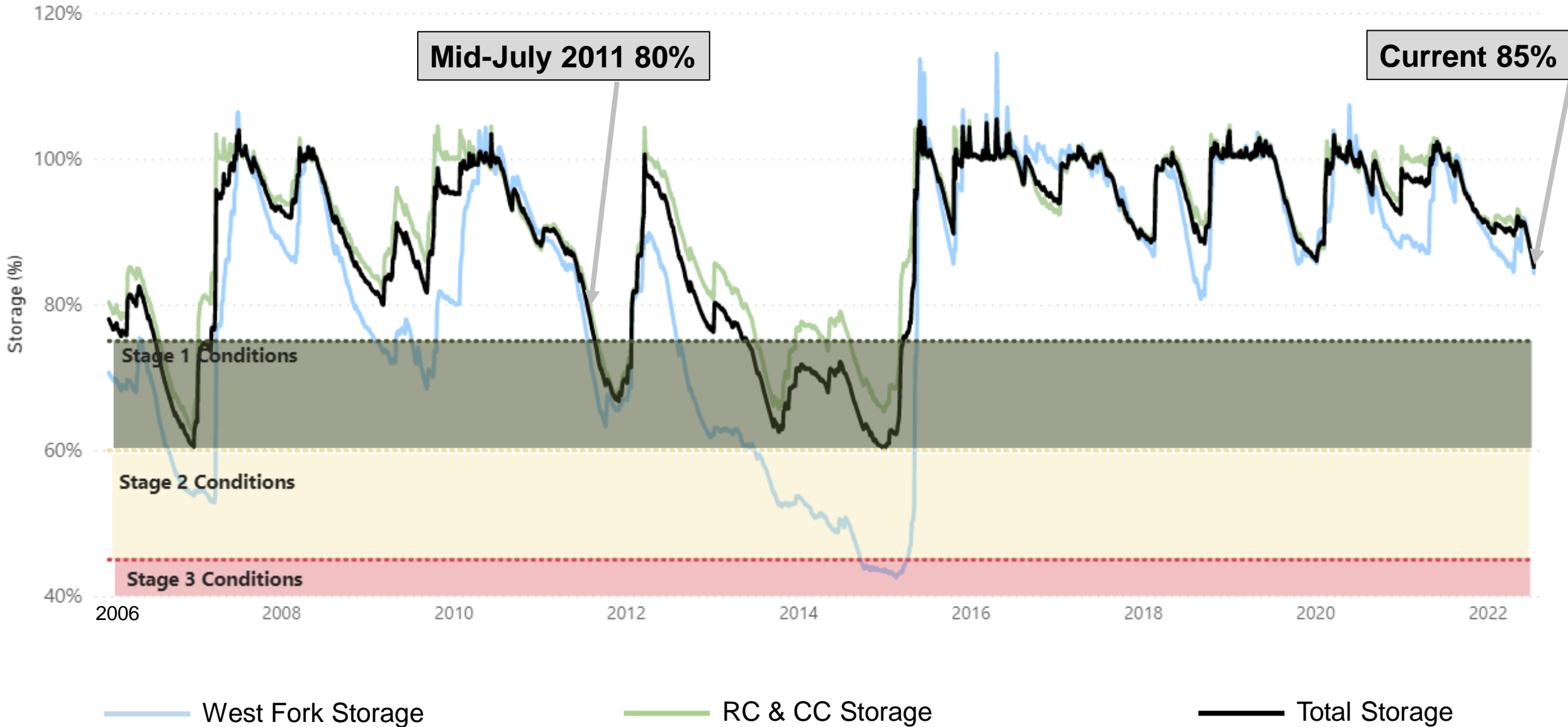


**85% Water  
Supply Storage**

### Projected Total System Storage



# Water Supply Storage





# 8

## Executive Session

# 9

## Consider Approval of Authorization to Amend Ownership of Property Interests in Real Property Located in the James Sanderson Survey, Abstract No. 1430, Tarrant County, Texas

Steve Christian, *Real Property Director*



# 10

## Future Agenda Items



11

Next Board Meetings  
July 26, 2022 & August 16, 2022







# 12

## Adjourn