

The background of the slide is a close-up photograph of water. It features a series of concentric, overlapping ripples that create a textured, shimmering effect. The water is a clear, light blue color, and the lighting highlights the individual droplets and bubbles, giving it a dynamic and fresh appearance.

# **STAFF UPDATE**

## Water Resources and Planning Update

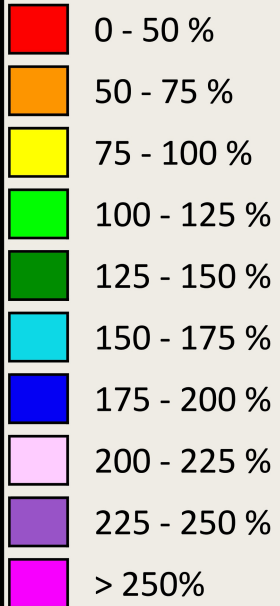
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Rachel Ickert, *Chief Water Resources Officer*

# Percent of Normal Rainfall

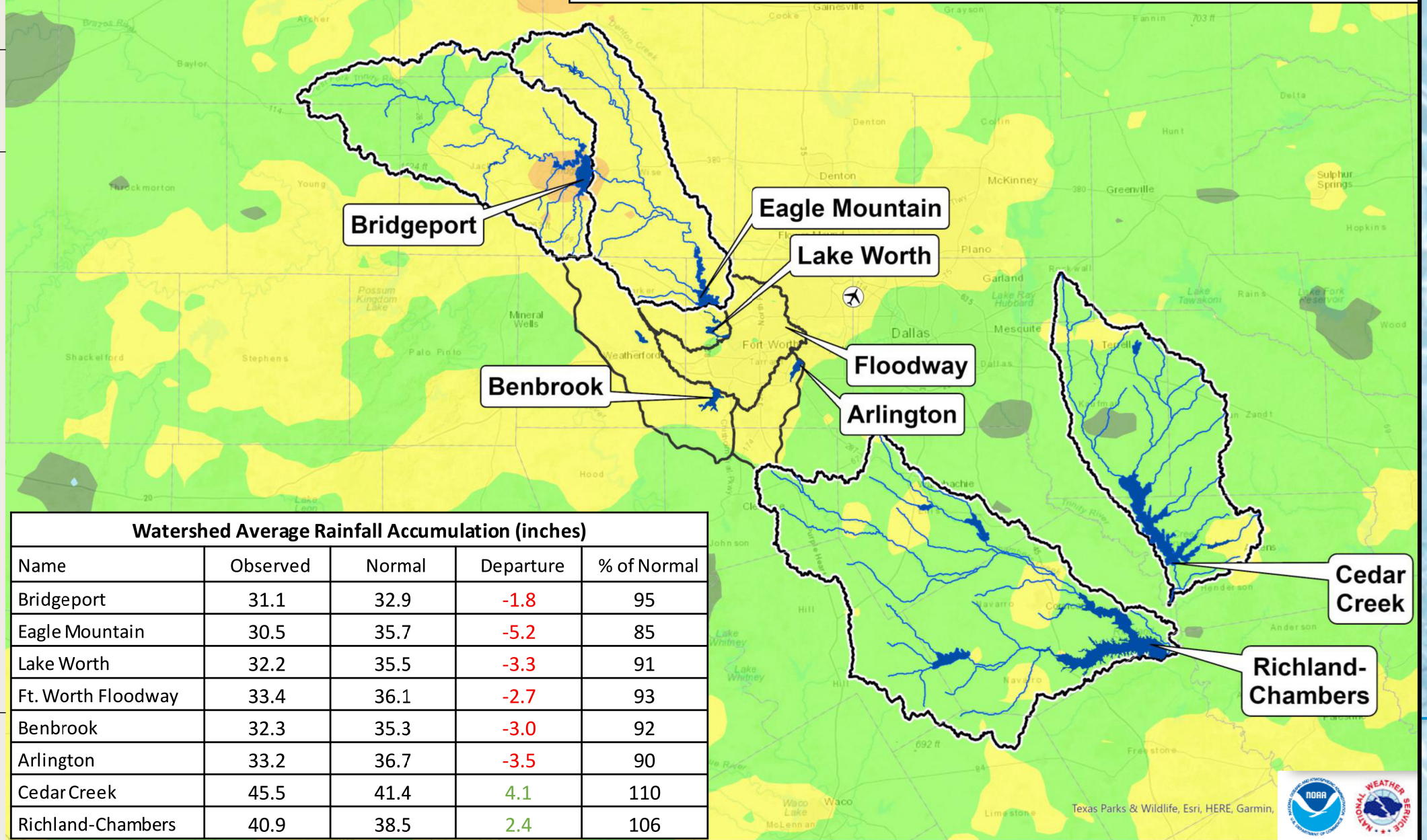


## LEGEND



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 365 Days (4/15/2023 – 4/14/2024)



Watershed Average Rainfall Accumulation (inches)				
Name	Observed	Normal	Departure	% of Normal
Bridgeport	31.1	32.9	-1.8	95
Eagle Mountain	30.5	35.7	-5.2	85
Lake Worth	32.2	35.5	-3.3	91
Ft. Worth Floodway	33.4	36.1	-2.7	93
Benbrook	32.3	35.3	-3.0	92
Arlington	33.2	36.7	-3.5	90
Cedar Creek	45.5	41.4	4.1	110
Richland-Chambers	40.9	38.5	2.4	106



Texas Parks & Wildlife, Esri, HERE, Garmin

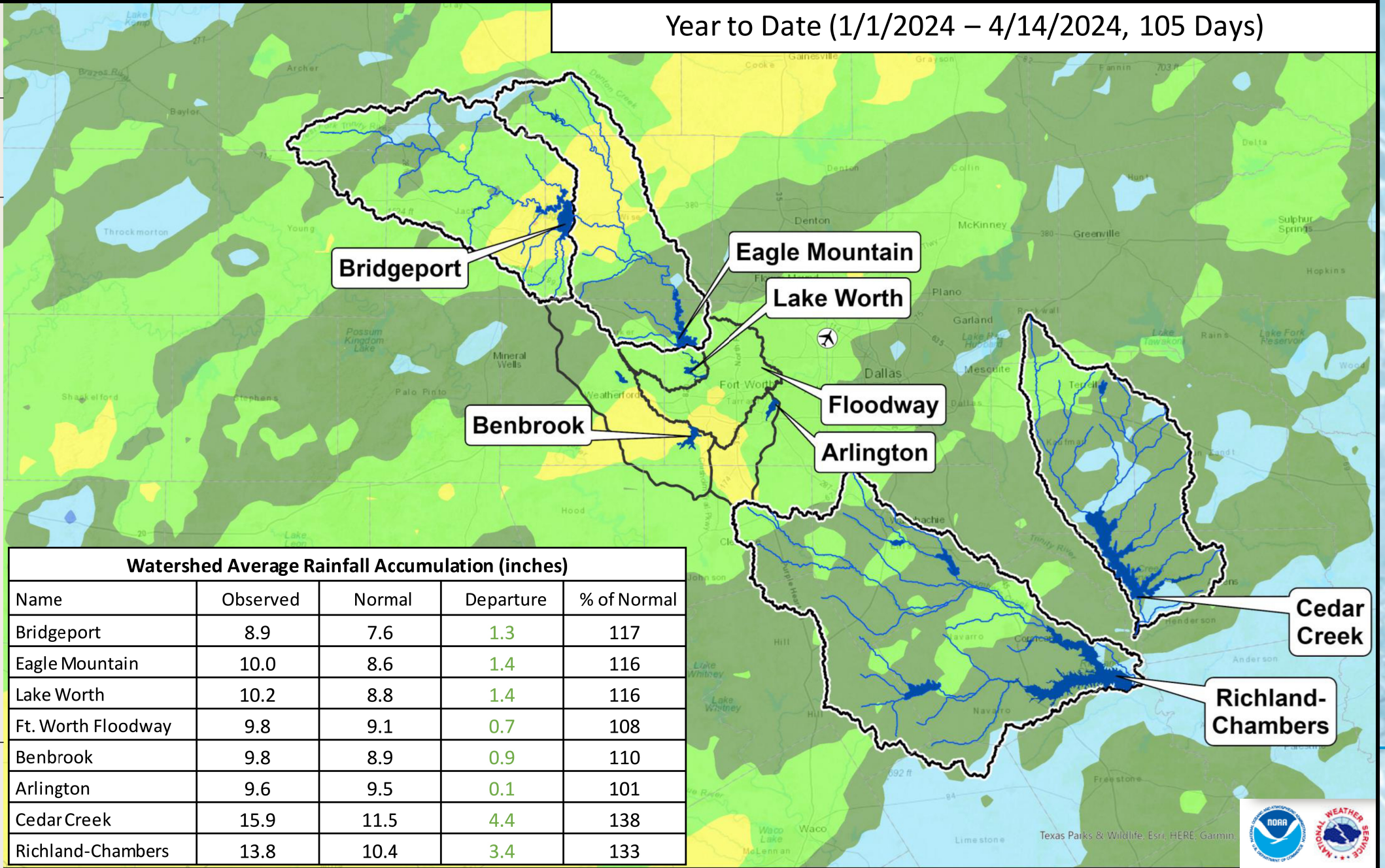
# Percent of Normal Rainfall

Year to Date (1/1/2024 – 4/14/2024, 105 Days)



## LEGEND

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



**Watershed Average Rainfall Accumulation (inches)**

Name	Observed	Normal	Departure	% of Normal
Bridgeport	8.9	7.6	1.3	117
Eagle Mountain	10.0	8.6	1.4	116
Lake Worth	10.2	8.8	1.4	116
Ft. Worth Floodway	9.8	9.1	0.7	108
Benbrook	9.8	8.9	0.9	110
Arlington	9.6	9.5	0.1	101
Cedar Creek	15.9	11.5	4.4	138
Richland-Chambers	13.8	10.4	3.4	133

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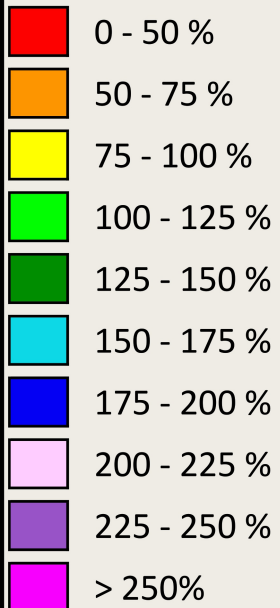


Texas Parks & Wildlife, Esri, HERE, Garmin

# Percent of Normal Rainfall

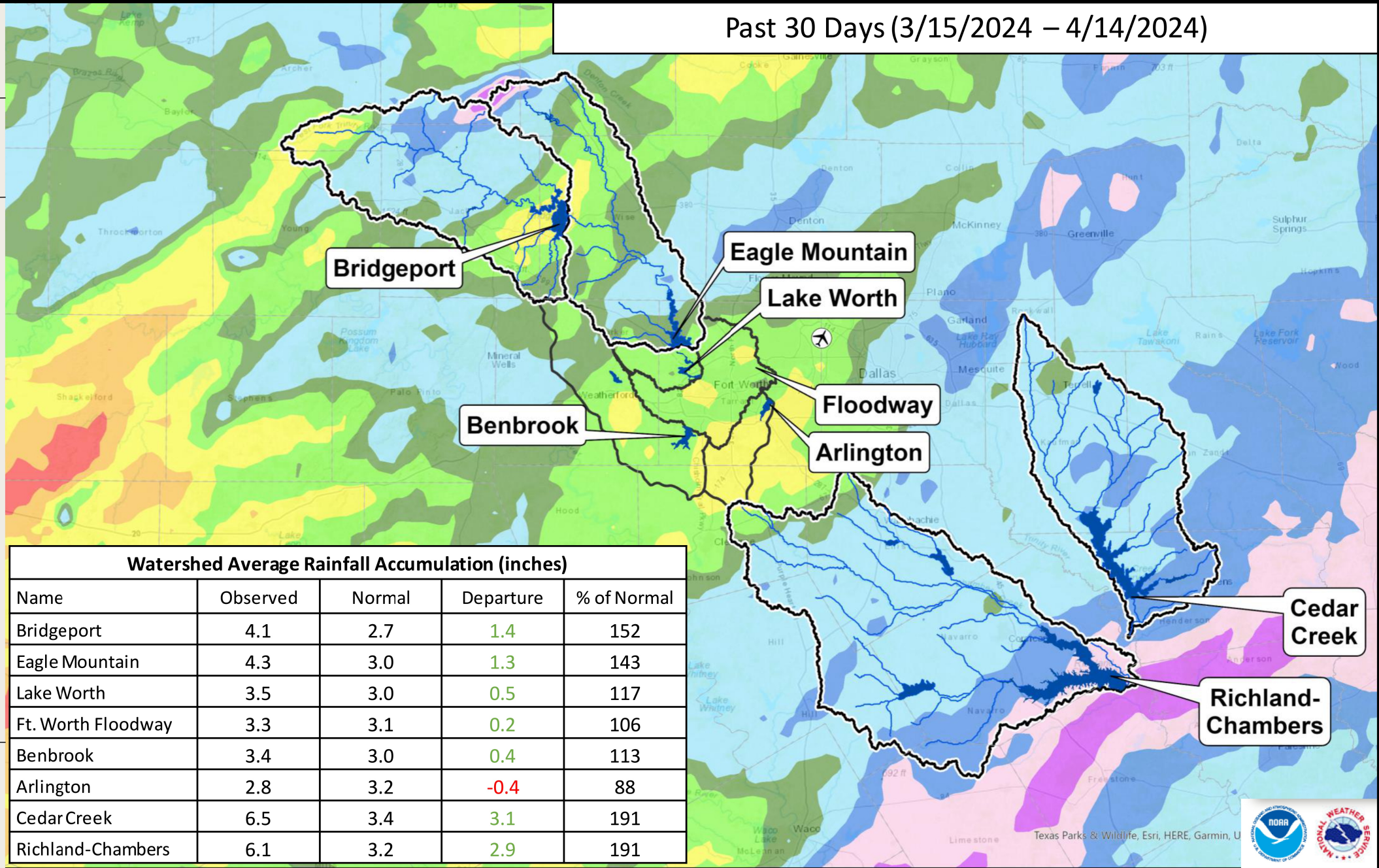


## LEGEND



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 (3/15/2024 – 4/14/2024)

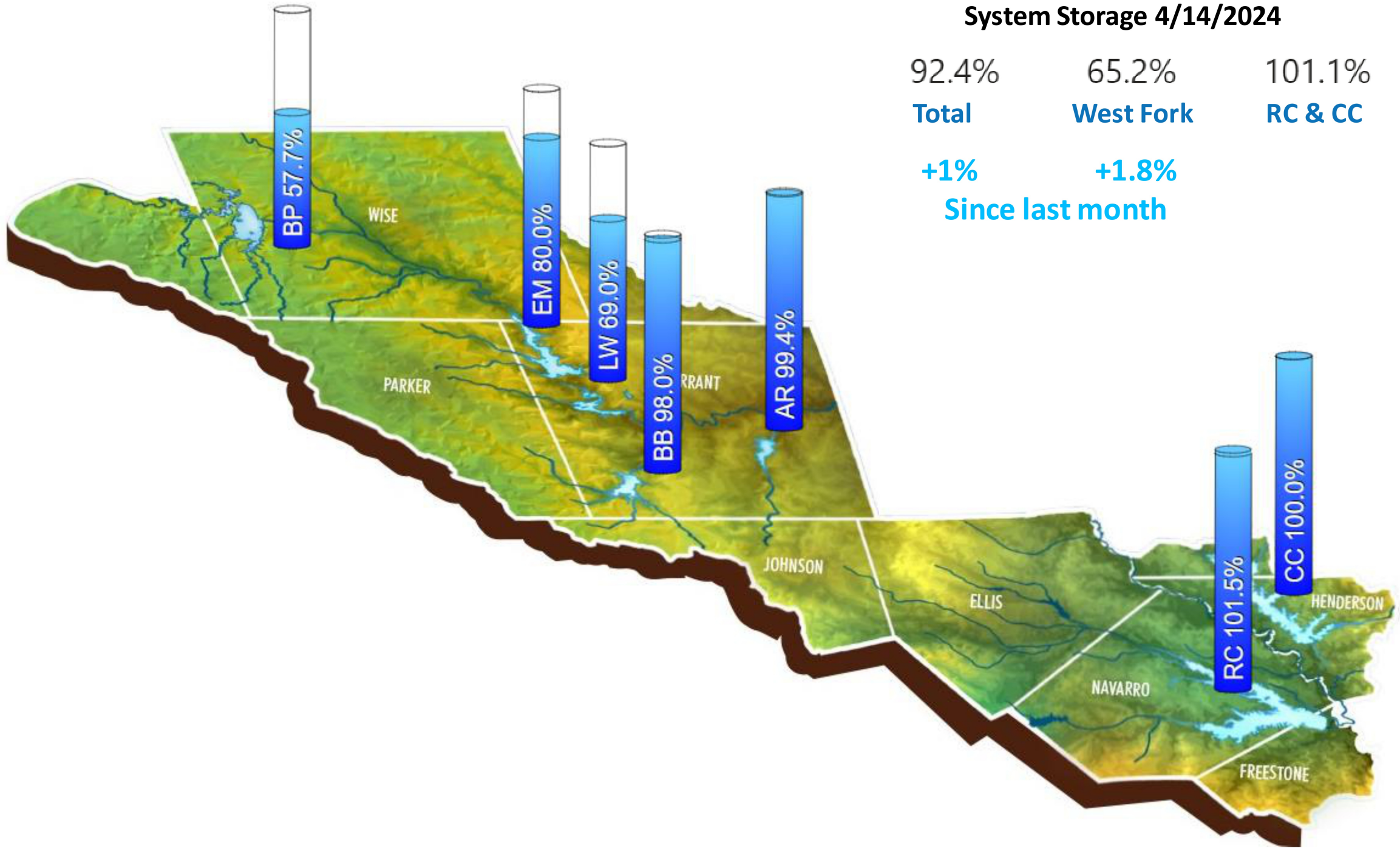


Watershed Average Rainfall Accumulation (inches)				
Name	Observed	Normal	Departure	% of Normal
Bridgeport	4.1	2.7	1.4	152
Eagle Mountain	4.3	3.0	1.3	143
Lake Worth	3.5	3.0	0.5	117
Ft. Worth Floodway	3.3	3.1	0.2	106
Benbrook	3.4	3.0	0.4	113
Arlington	2.8	3.2	-0.4	88
Cedar Creek	6.5	3.4	3.1	191
Richland-Chambers	6.1	3.2	2.9	191

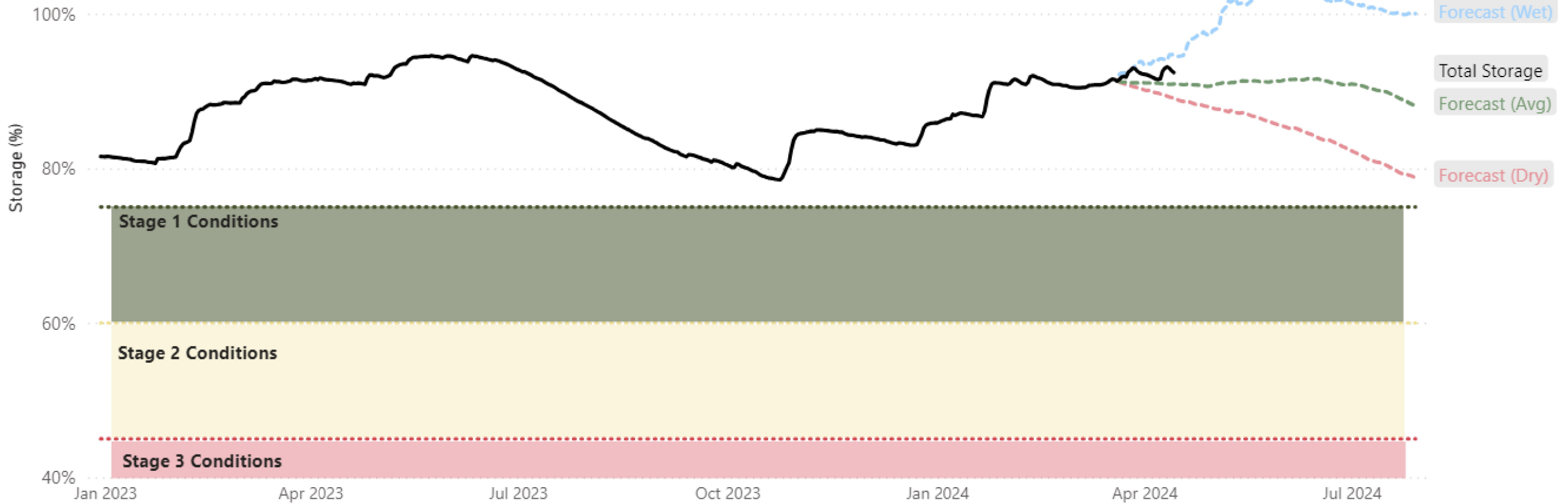


### System Storage 4/14/2024

92.4%	65.2%	101.1%
<b>Total</b>	<b>West Fork</b>	<b>RC &amp; CC</b>
<b>+1%</b>	<b>+1.8%</b>	
<b>Since last month</b>		



# Historic and Projected Total Water Supply Storage



# Historic and Projected Bridgeport + Eagle Mountain Water Supply Storage



# Rainfall Forecast



## LEGEND

- 0.01 - 0.1 inches
- 0.1 - 0.25 inches
- 0.25 - 0.5 inches
- 0.5 - 1 inches
- 1 - 1.5 inches
- 1.5 - 2 inches
- 2 - 3 inches
- 3 - 4 inches
- 4 - 5 inches
- 5 - 6 inches
- 6 - 8 inches
- 8 - 10 inches
- 10 - 15 inches
- 15 - 20 inches
- 20 - 30 inches
- > 30 inches

Precipitation forecast is obtained from NOAA's NWS and provided by the Weather Prediction Center (WPC). The data is processed and displayed using USACE Met-Vue software

*Note on QPF - QPFs depict the amount of liquid precipitation expected to fall during a specified time period in the future. Because precipitation can vary significantly over short distances, QPFs are reported as the expected "areal average" on a 20-kilometer (12.4 mile) grid. Several factors contribute to QPF estimates, including the current state of the atmosphere, modeled pressure systems, satellite trends, and manual adjustments made by forecasters.*

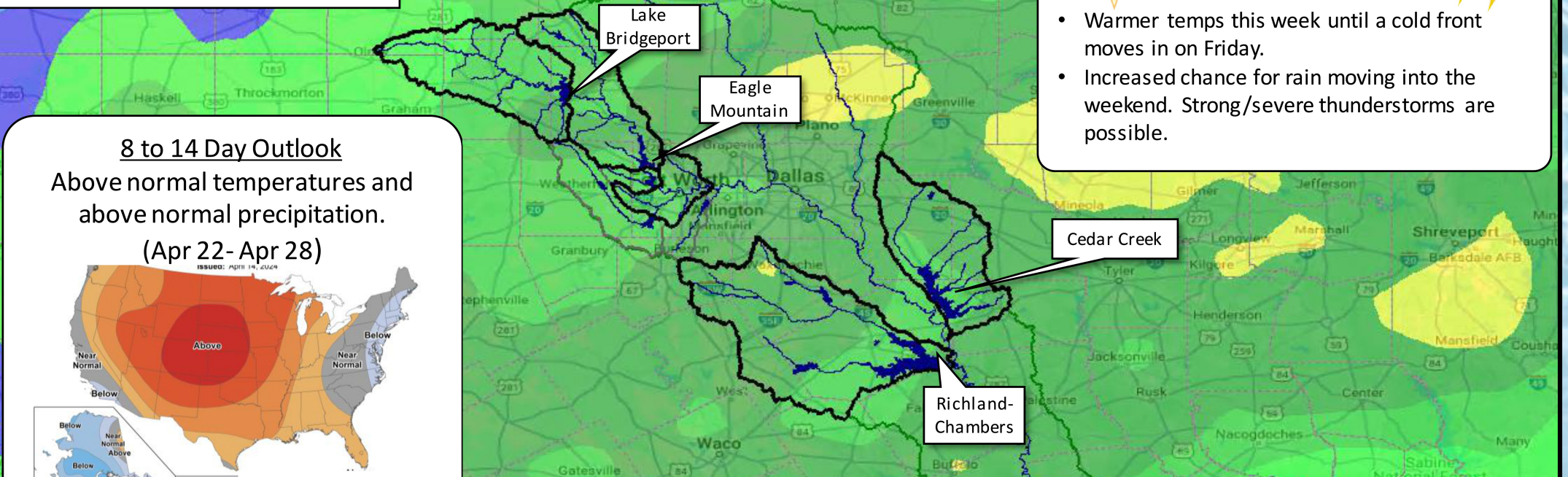
## 17APR2024 (WED) - 21APR2024 (SUN) Duration: 5 Days



### Main Takeaway



- Warmer temps this week until a cold front moves in on Friday.
- Increased chance for rain moving into the weekend. Strong/severe thunderstorms are possible.



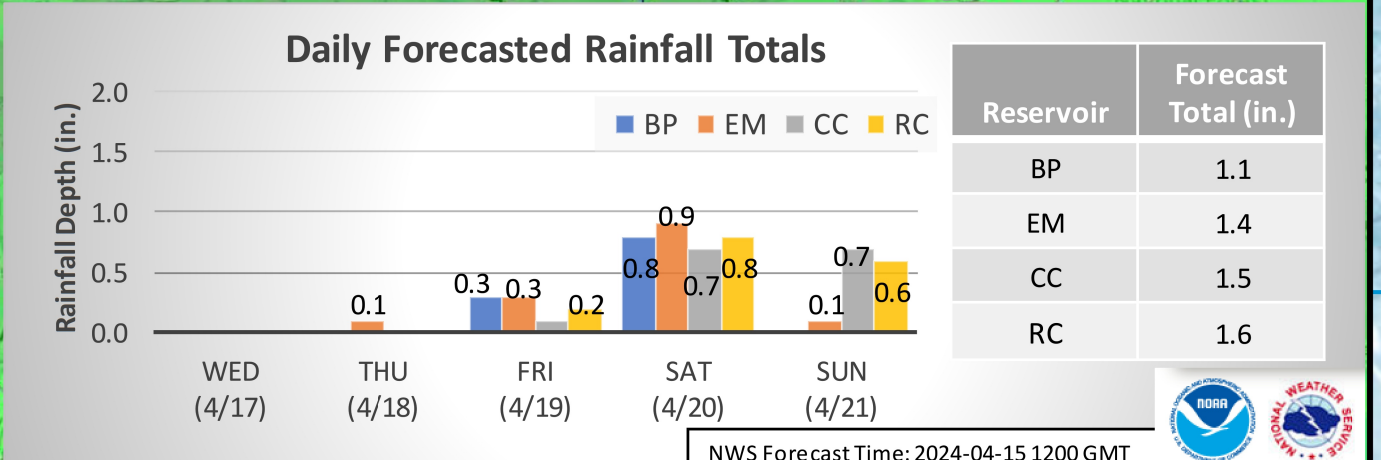
### 8 to 14 Day Outlook

Above normal temperatures and above normal precipitation. (Apr 22 - Apr 28)

ISSUED: APRIL 19, 2024

Temperature

Precipitation



NWS Forecast Time: 2024-04-15 1200 GMT

