

BOARD OF DIRECTORS MEETING

September 20, 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.



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Public Comment





3

Consider Approval of the Minutes from the Meeting Held on August 16, 2022





4

Consider Approval of Consent Agenda





5

Consider Approval of Fiscal Year 2023 General Fund Budget

Sandy Newby, Chief Financial Officer

6

Consider Approval of Fiscal Year 2023 Revenue Fund Budget

Sandy Newby, Chief Financial Officer

7

Consider Approval of Fiscal Year 2023 Special Projects/Contingency Fund Budget

Sandy Newby, Chief Financial Officer

8

Vote to Adopt a Tax Rate of \$.0269/\$100 for
Tax Year 2022

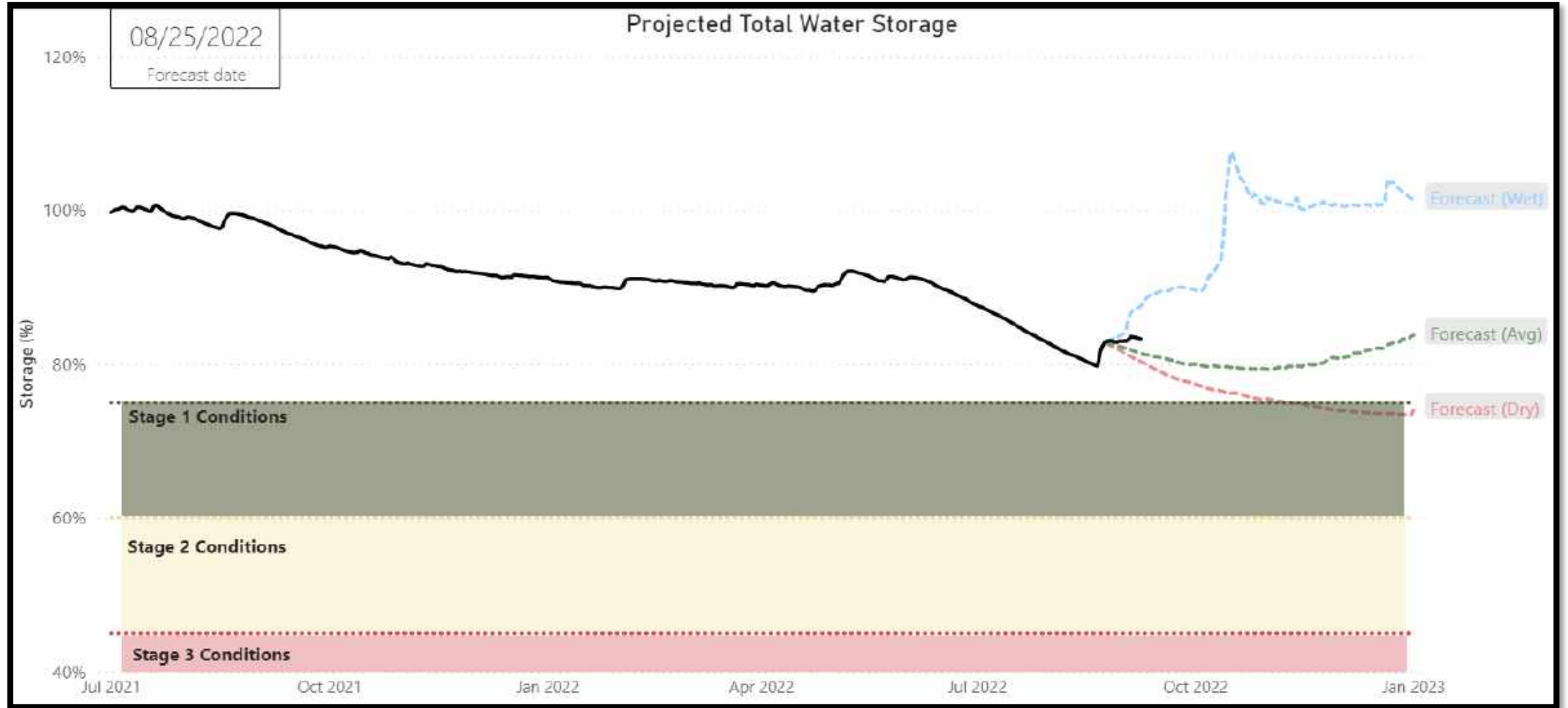
Sandy Newby, Chief Financial Officer

9

Consider Approval of Contract with Hydros Consulting for Technical Support

Zachary Huff, *Water Resources Engineering Director*

RiverWare Modeling Support Services

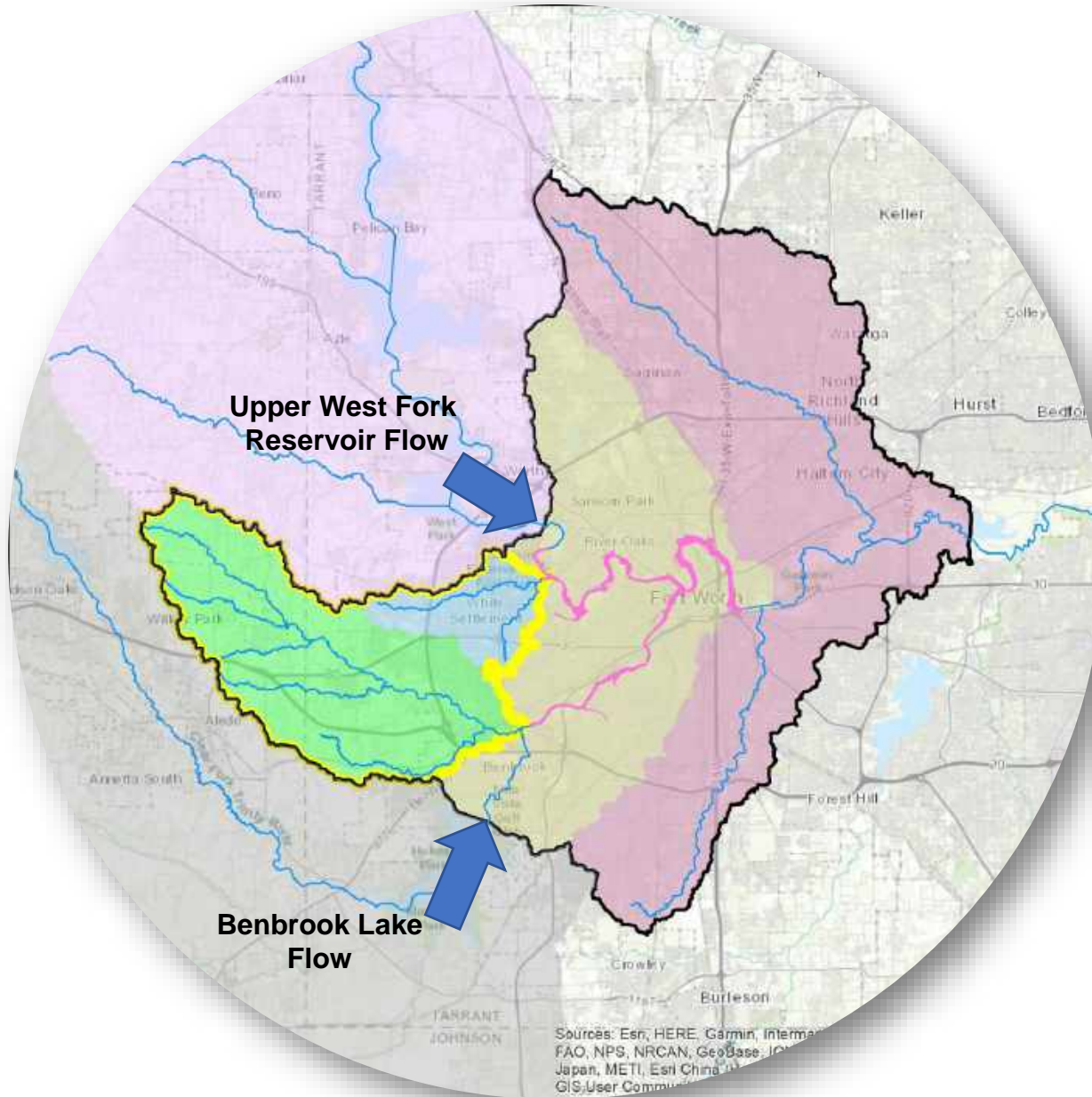


10

Consider Approval of Contract with Freese and Nichols, Inc. for Upstream Flood Mitigation Analysis

Zachary Huff, *Water Resources Engineering Director*

Upstream Flood Mitigation Analysis



Legend

- Fort Worth Floodway Federal Limits
- Reservoir Controlled Area**
 - Benbrook Lake
 - Upper West Fork Reservoirs
- TRWD Floodway Watershed
- Potential Mitigation Area
- Floodway Areas**
 - Mary's Creek
 - Farmer's Branch
 - Local
 - Downstream

Floodway Area Notes

- Mary's Creek – 55 sq mi uncontrolled drainage to Floodway
- Farmer's Branch – 12 sq mi uncontrolled drainage to Floodway
- Local - 88 sq mi local drainage to floodway, 14 sq mi controlled by sumps, mostly developed
- Downstream – Outside the Floodway drainage area

11

Consider Approval of a Joint Funding Agreement with U.S. Geological Survey for Gage Network Support Services

Zachary Huff, *Water Resources Engineering Director*

Trinity Basin Gage Coverage

Legend

JFA Sites

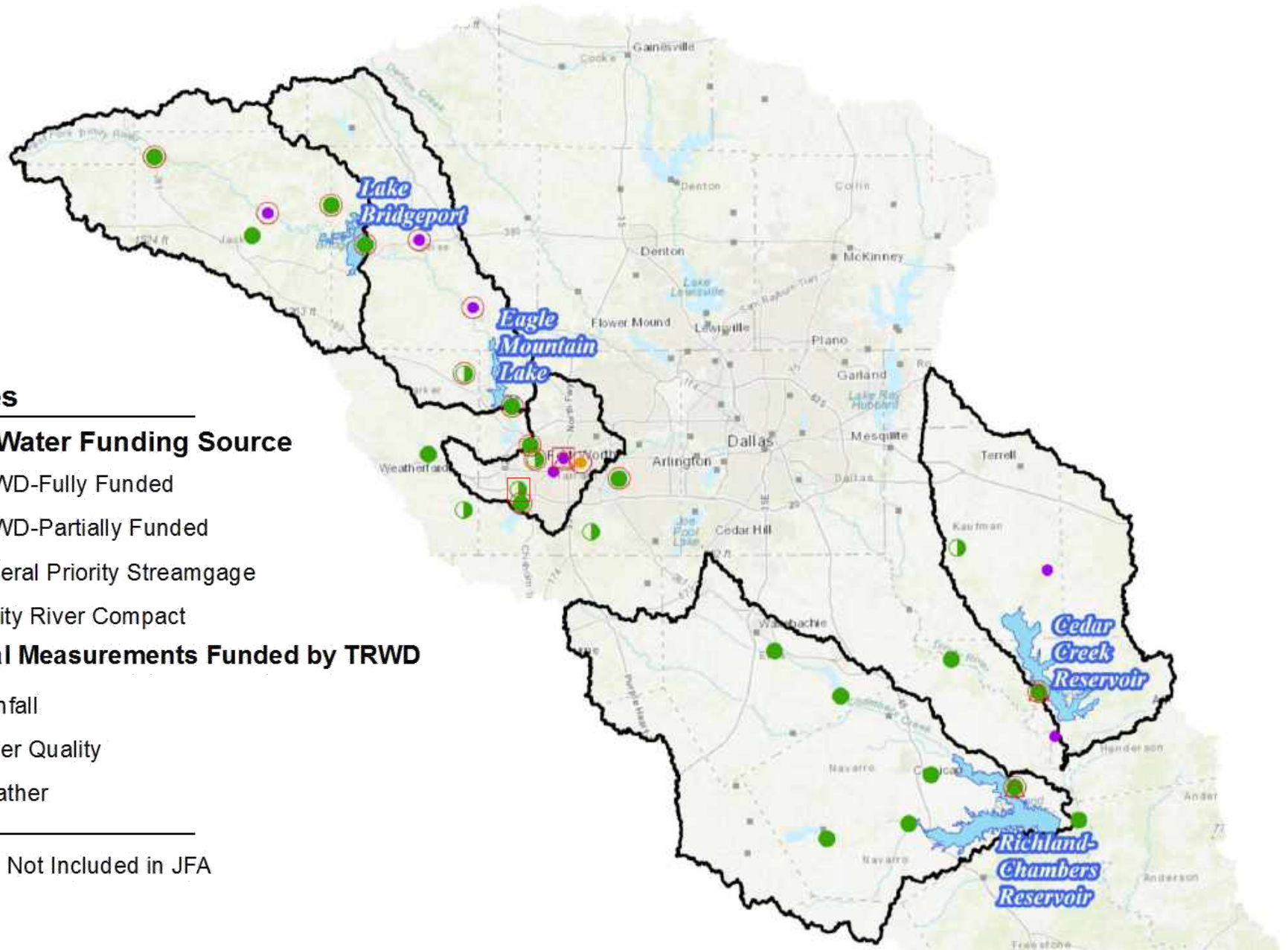
Surface Water Funding Source

- TRWD-Fully Funded
- ◐ TRWD-Partially Funded
- Federal Priority Streamgage
- Trinity River Compact

Additional Measurements Funded by TRWD

- Rainfall
- Water Quality
- △ Weather

■ Site Not Included in JFA

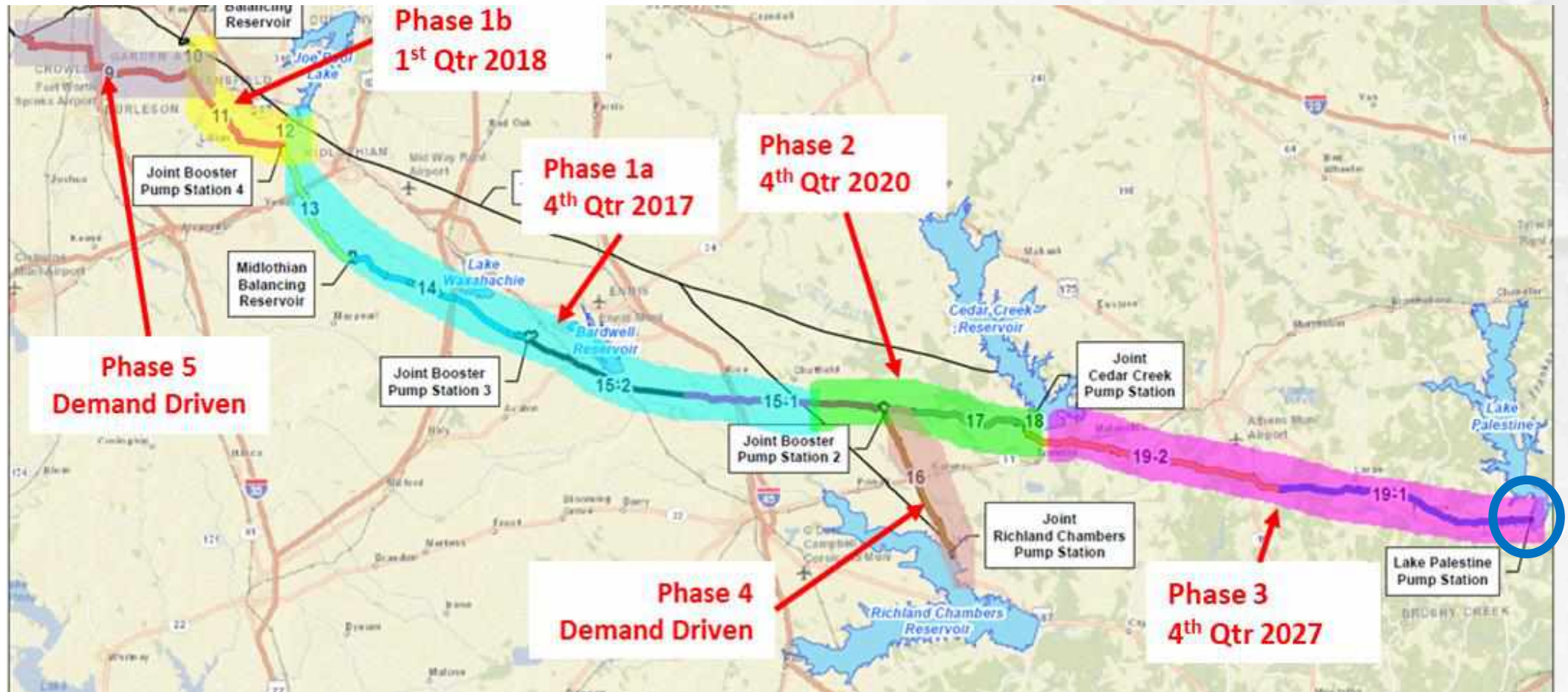


12

Consider Approval of Discretionary Services Agreement with Oncor Electric Delivery Company LLC for Initial Routing and Design of Electrical Transmission Main to IPL Project Lake Palestine Pump Station

Zachary Huff, Water Resources Engineering Director

Lake Palestine Electric Transmission Main



13

Consider Approval of Contract with The National Theatre for Children, Inc., for Elementary School Water Conservation Education Services

Linda Christie, *Government Affairs Director*

The National Theatre for Children Water Education Program



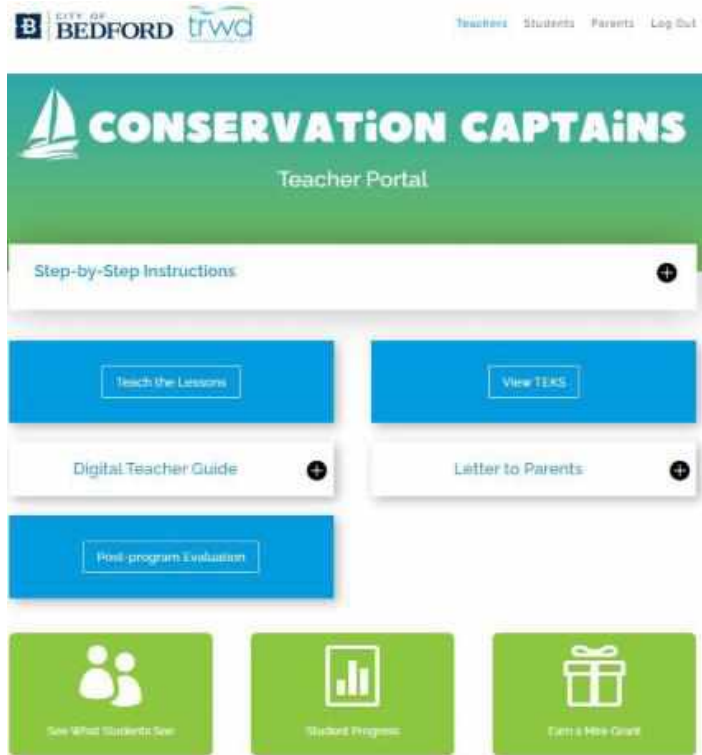
- In 2021-2022 school year, 56 elementary schools participated in Arlington, Bedford, Benbrook, Burleson, Crowley, Colleyville, Fort Worth, Grapevine, Haltom City, Keller, Mansfield, North Richland Hills, Richland Hills, Southlake, and Watauga

14

Consider Approval of Contract with Tinker LLC for Elementary School Water Conservation Education Services

Linda Christie, *Government Affairs Director*

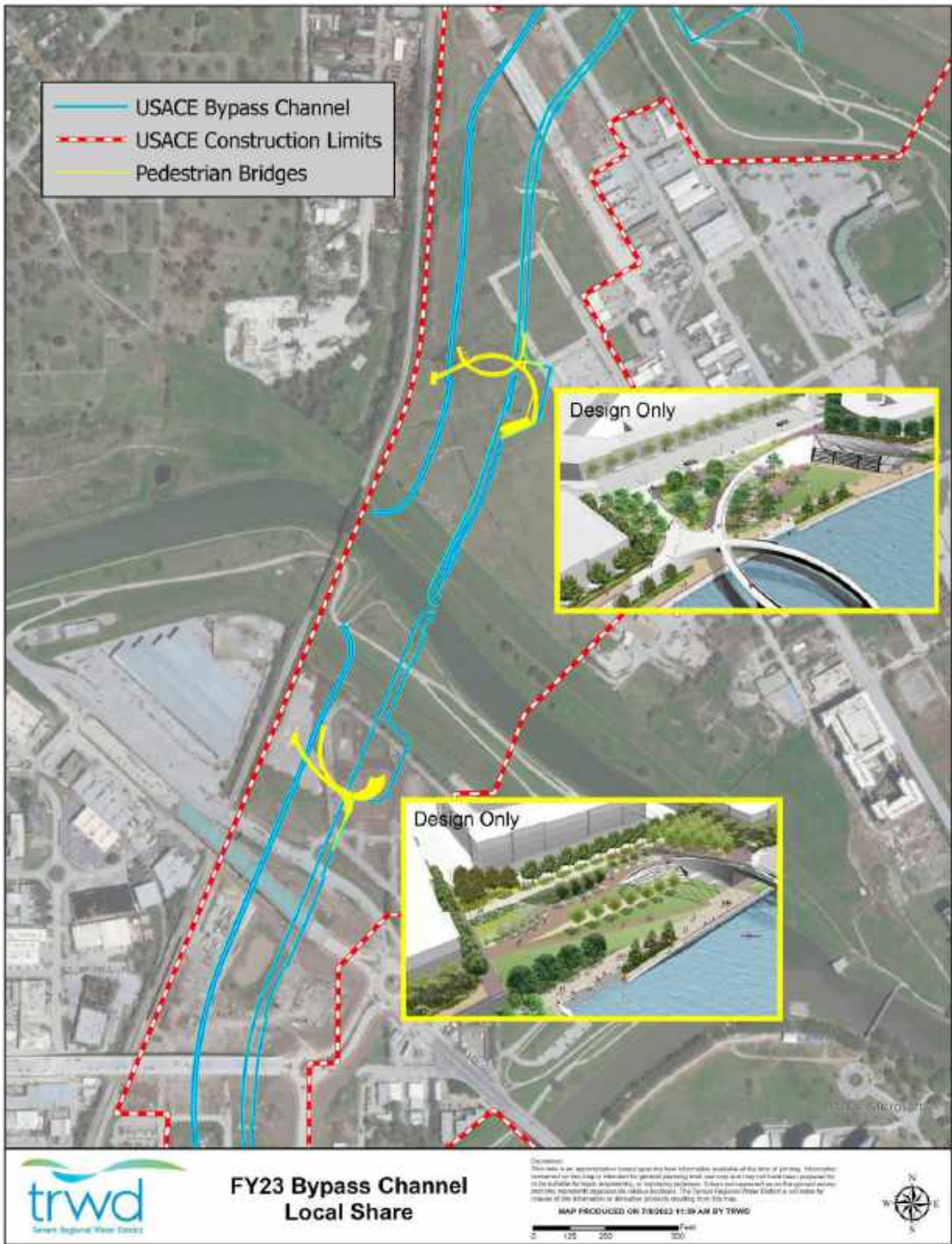
Tinker LLC Conservation Captains Water Conservation Program



15

Consider Approval of Contract with HNTB Corporation for Completion of Pedestrian Bridge Design for the Central City Flood Control Project

Woody Frossard,
Program Director, Panther Island/Central City Flood Control Project



Staff Update

General Manager Update

Dan Buhman, *General Manager*

Staff Update

Water Resources Update

Rachel Ickert, *Chief Water Resources Officer*



DFW Deluge Breaks Records

Since additional rainfall could occur, these totals are subject to change.

Weather Forecast Office
Fort Worth, TX

Issued August 22, 2022 2:05PM CT



Greatest 24-Hour Precipitation Totals

Rank	Total	Dates
1	9.57"	Sep 4-5, 1932
2	9.19"	Aug 21-22, 2022*
3	8.81"	Apr 24-25, 1922
4	8.11"	Sep 21-22, 2018
5	7.44"	Sep 20-21, 1900

Wettest August on Record
Previous Record: 1915

Daily Records

3.53" on August 21

previous record: 2.25" in 1919

5.66" on August 22 *

previous record: 2.47" in 1916

first back-to-back precipitation records since October 22-23, 2015

Highest Daily Rainfall For The Month of August

5.66" on August 22 *

Previous 4.28" on Aug 28, 1946

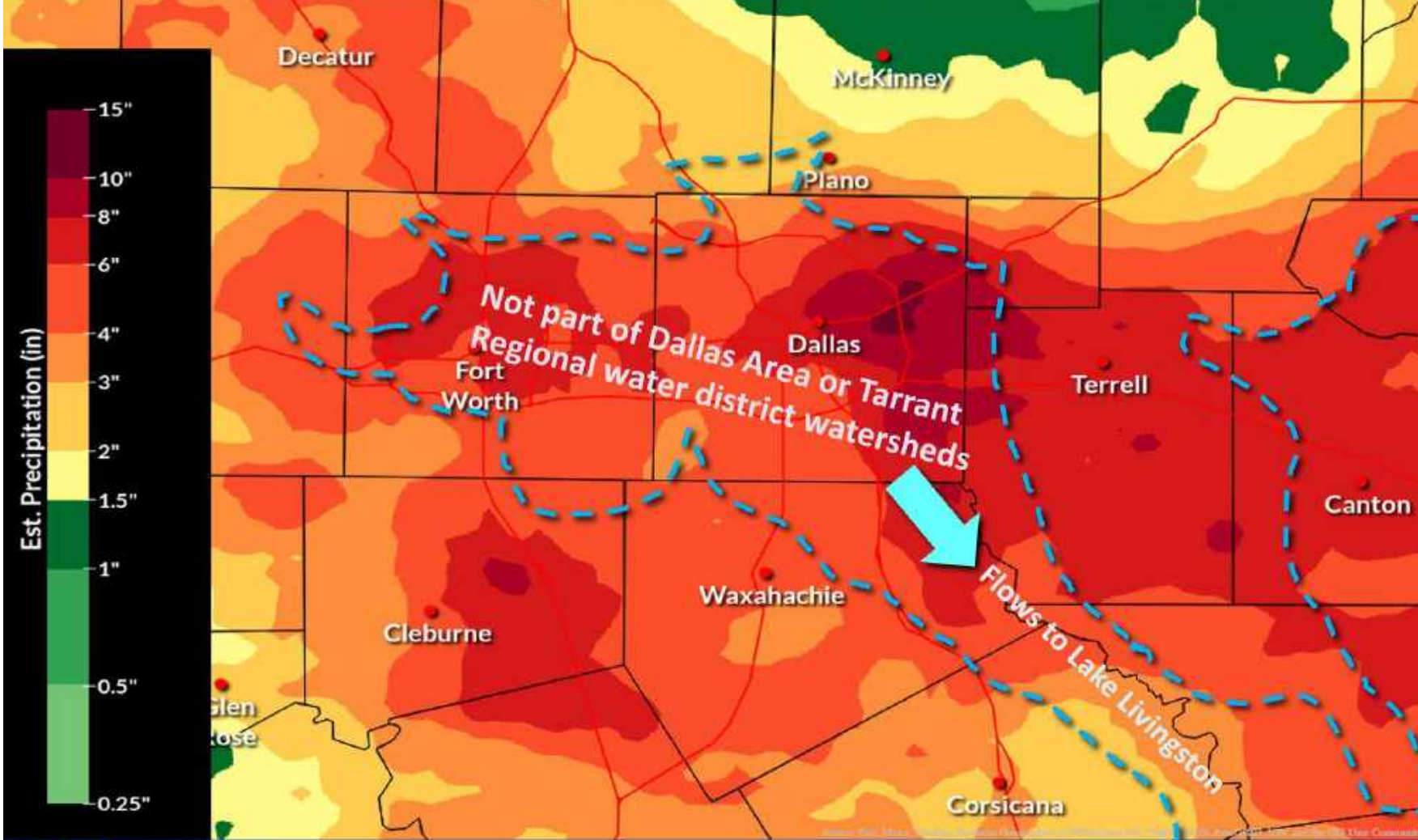
* through 2 pm on August 22

Heavy rain, but wrong watershed

Rain that falls across Dallas and Tarrant counties flows to Houston's water supply

Weather Forecast Office
Fort Worth, TX

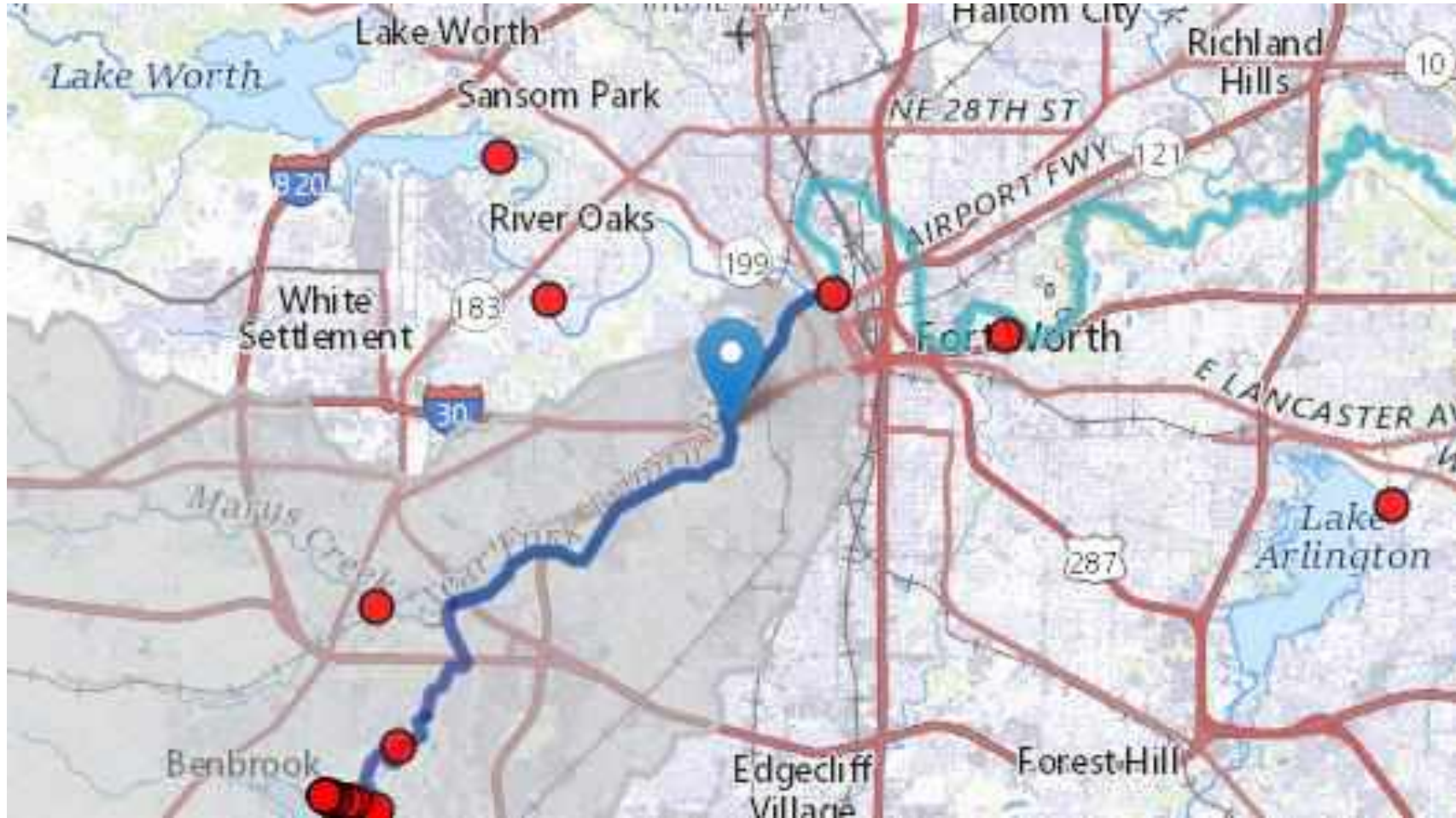
Issued Aug 23, 2022 11:07 AM CDT



NWSFort Worth

weather.gov/fortworth

Clear Fk Trinity Rv at Ft Worth, TX



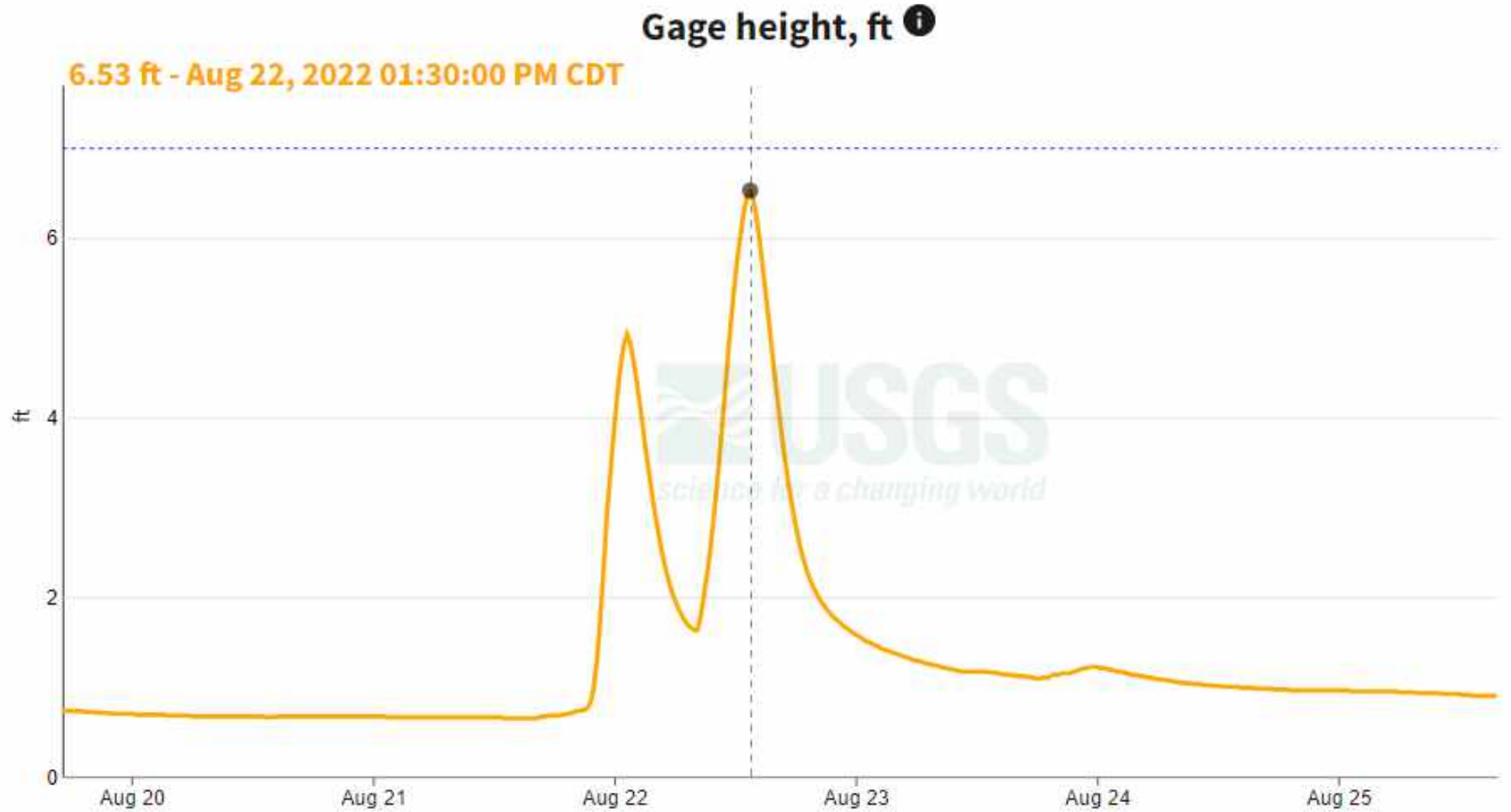
Clear Fk Trinity Rv at Ft Worth, TX



W Fk Trinity Rv at Ft Worth, TX



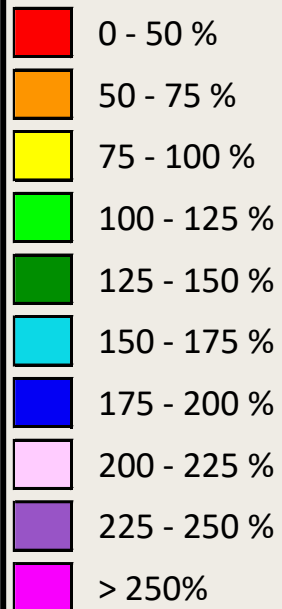
W Fk Trinity Rv at Ft Worth, TX



Percent of Normal Rainfall

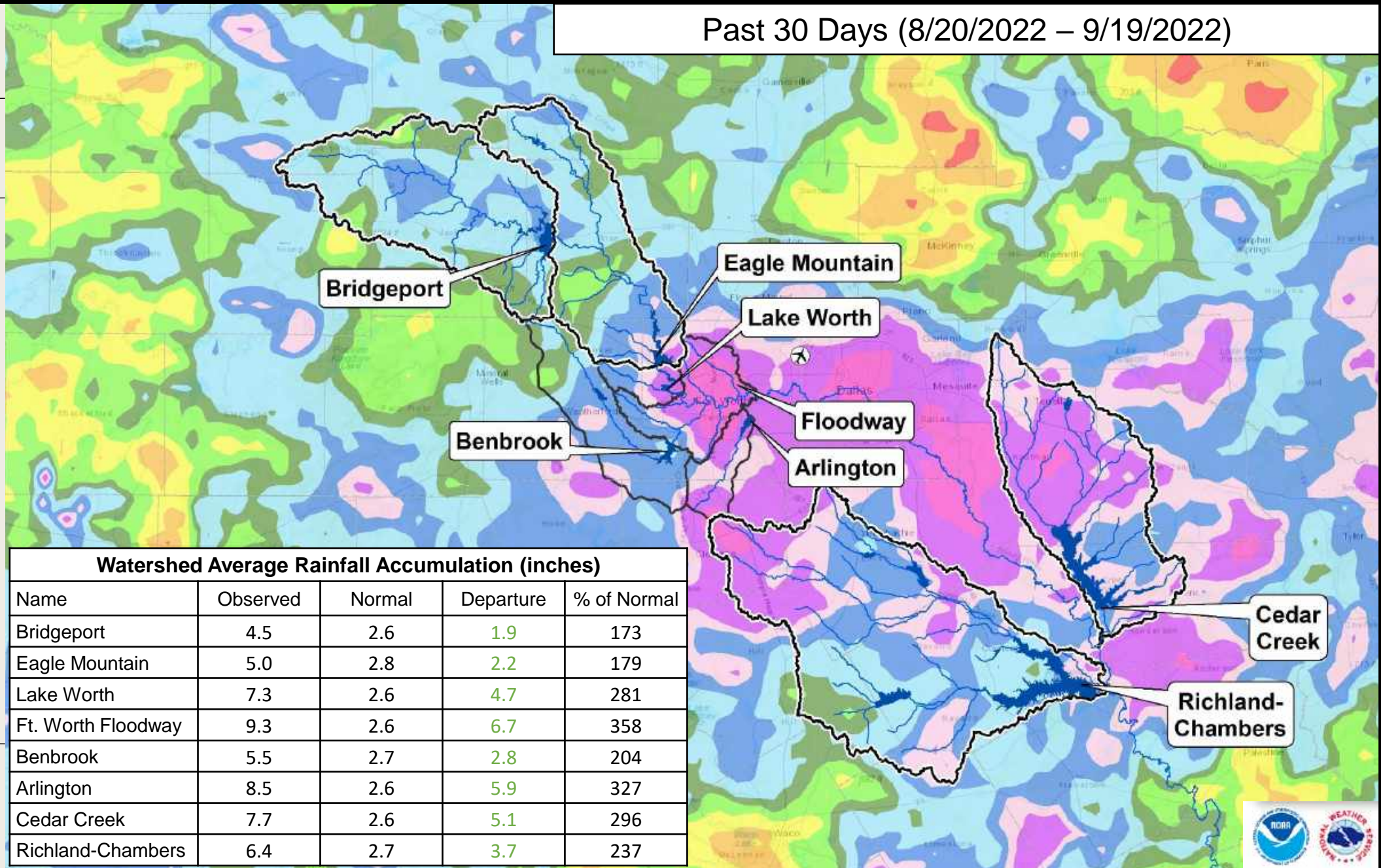


LEGEND



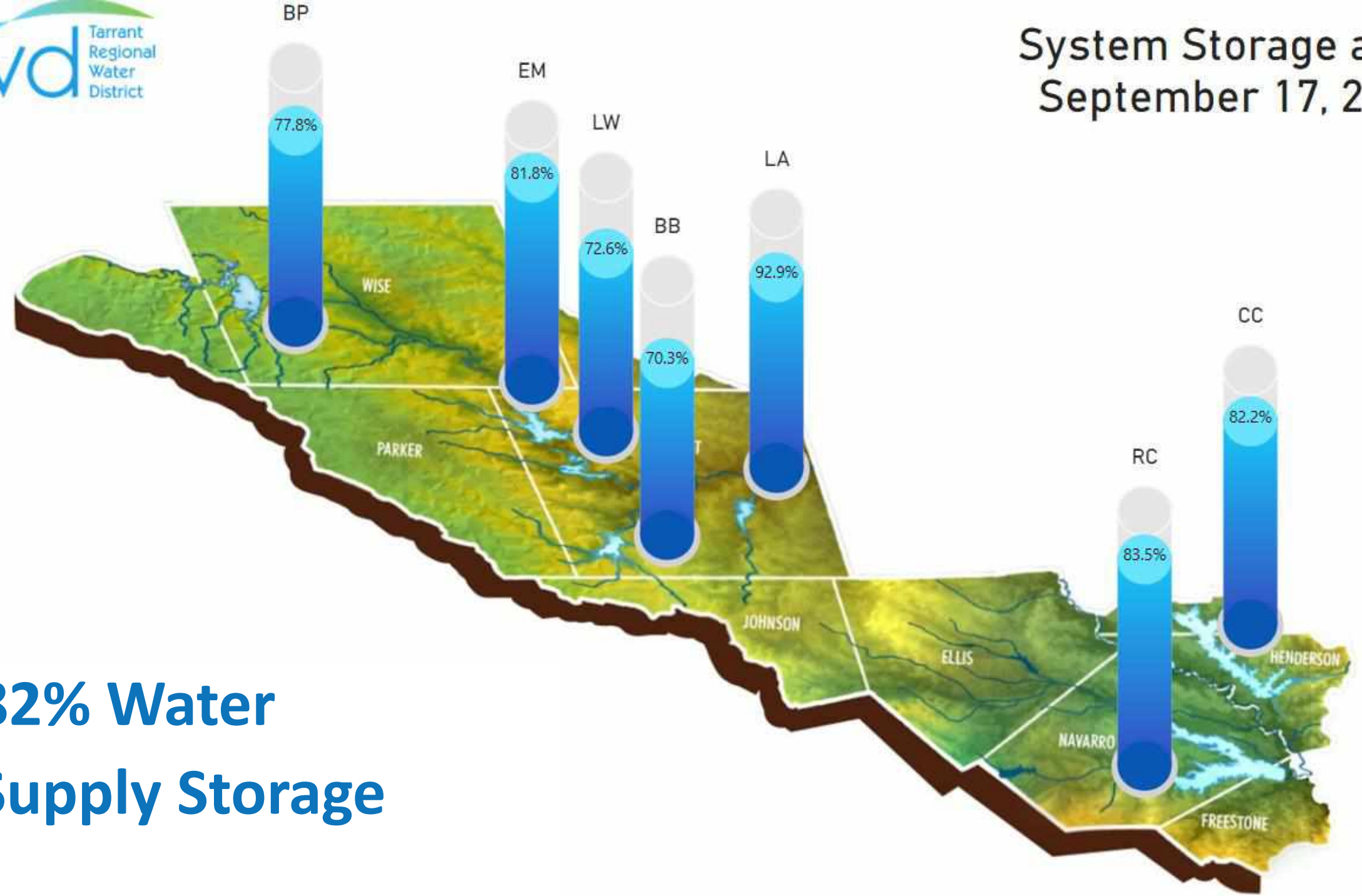
Precipitation totals are obtained from NOAA's NWS. The totals displayed are estimated by the WGRFC. The data is processed and displayed using ESRI ArcGIS.

Past 30 Days (8/20/2022 – 9/19/2022)



Watershed Average Rainfall Accumulation (inches)				
Name	Observed	Normal	Departure	% of Normal
Bridgeport	4.5	2.6	1.9	173
Eagle Mountain	5.0	2.8	2.2	179
Lake Worth	7.3	2.6	4.7	281
Ft. Worth Floodway	9.3	2.6	6.7	358
Benbrook	5.5	2.7	2.8	204
Arlington	8.5	2.6	5.9	327
Cedar Creek	7.7	2.6	5.1	296
Richland-Chambers	6.4	2.7	3.7	237

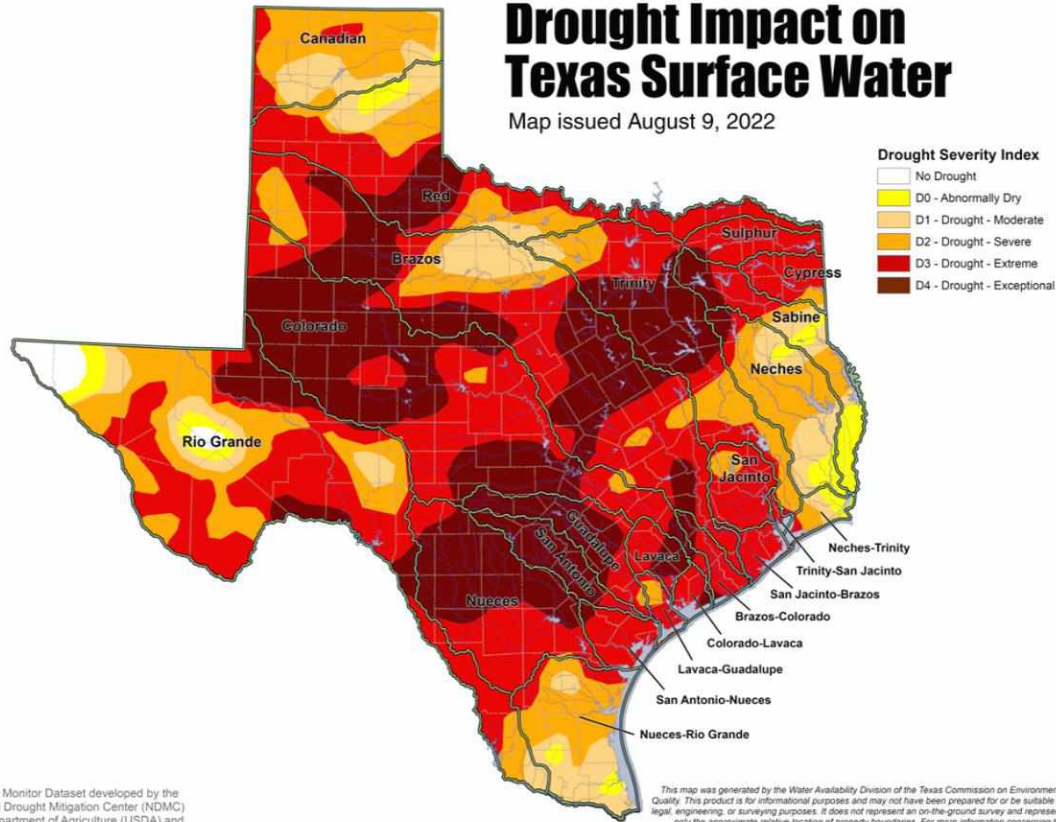




82% Water Supply Storage

Drought Impact on Texas Surface Water

Map issued August 9, 2022



Drought Severity Index

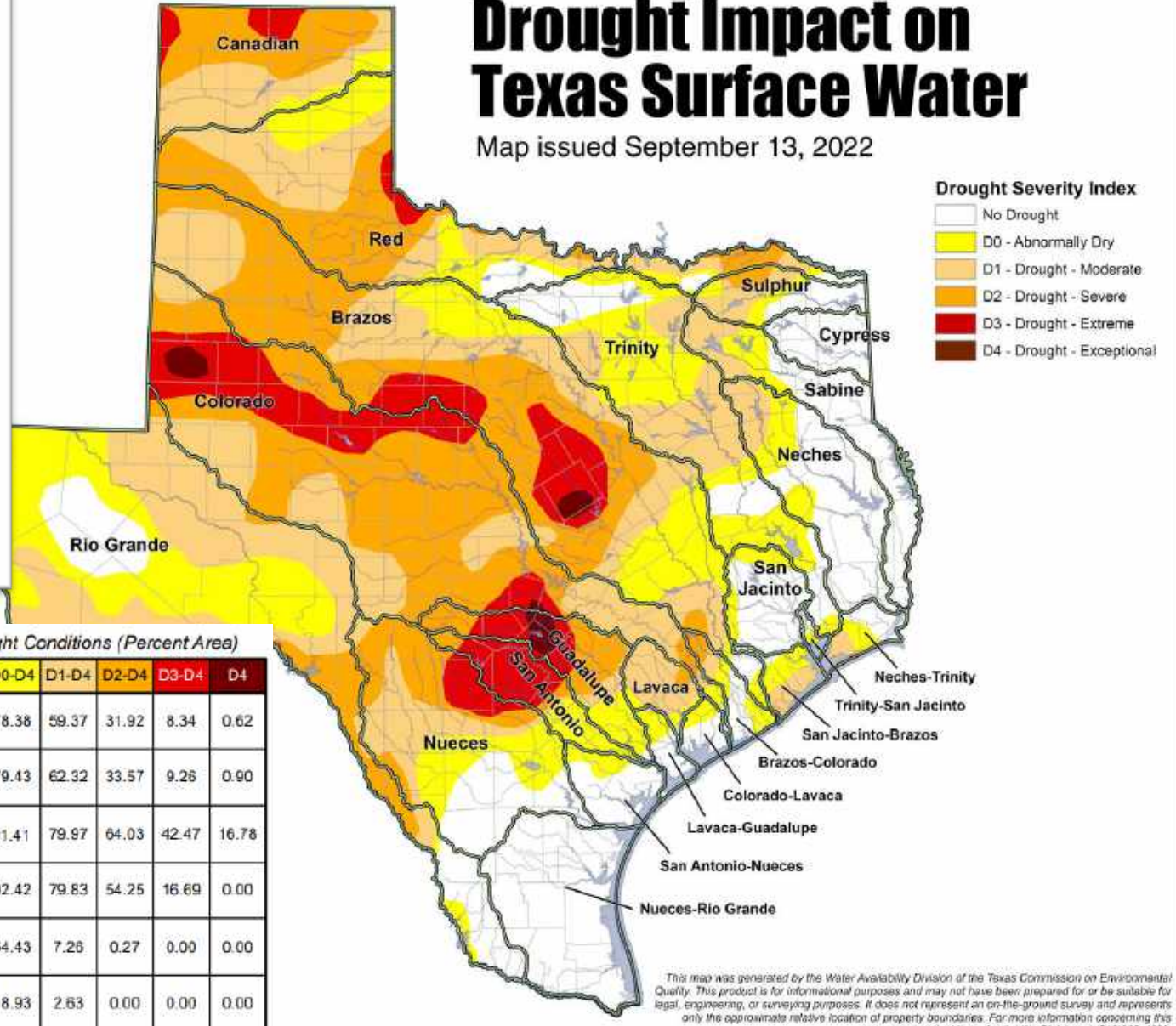
- No Drought
- D0 - Abnormally Dry
- D1 - Drought - Moderate
- D2 - Drought - Severe
- D3 - Drought - Extreme
- D4 - Drought - Exceptional

Drought Monitor Dataset developed by the National Drought Mitigation Center (NDMC), U.S. Department of Agriculture (USDA) and

This map was generated by the Water Availability Division of the Texas Commission on Environmental Quality. This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. For more information concerning this

Drought Impact on Texas Surface Water

Map issued September 13, 2022



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	21.62	78.38	59.37	31.92	8.34	0.62
Last Week 09-06-2022	20.57	79.43	62.32	33.57	9.26	0.90
3 Months Ago 06-14-2022	8.59	91.41	79.97	64.03	42.47	16.78
Start of Calendar Year 01-04-2022	7.58	92.42	79.83	54.25	16.69	0.00
Start of Water Year 09-29-2021	45.57	54.43	7.26	0.27	0.00	0.00
One Year Ago 09-14-2021	81.07	18.93	2.63	0.00	0.00	0.00



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Executive Session



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Consider Approval of Authorization to Exchange Land Located in the J. G. W. Clayton Survey, Abstract No. 150, Wise County, Texas and the C. B. Mixon Survey, Abstract No. 536, Wise County, Texas

Steve Christian, *Real Property Director*

19

Consider Approval of Acceptance of Conveyance of Approximately 1.08 acres of land located adjacent to Shelby at Northside Apartments and being a portion of Lot 1, Block 1, Riverfront Lofts Addition to the City of Fort Worth, Tarrant County, Texas

Steve Christian, *Real Property Director*



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Future Agenda Items





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**Next Board Meeting
October 18, 2022 at 9:00 AM**





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Adjourn