

BOARD OF DIRECTORS MEETING

July 18, 2023



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 20, 2023

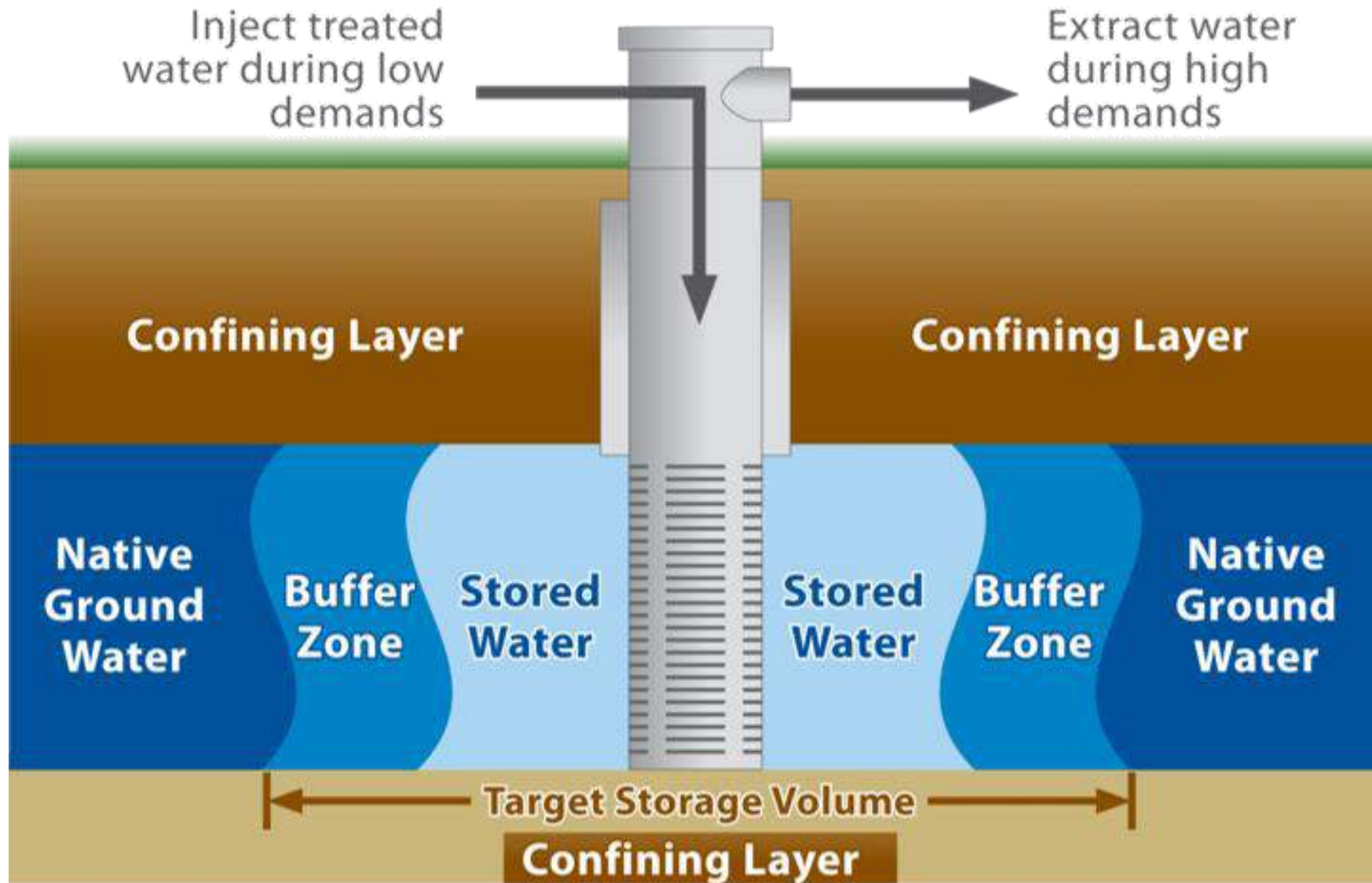


4

Consider Approval of Contract with Hydro Resources Mid-Continent, Inc. for Aquifer Storage and Recovery Well Demonstration Study - Well Drilling

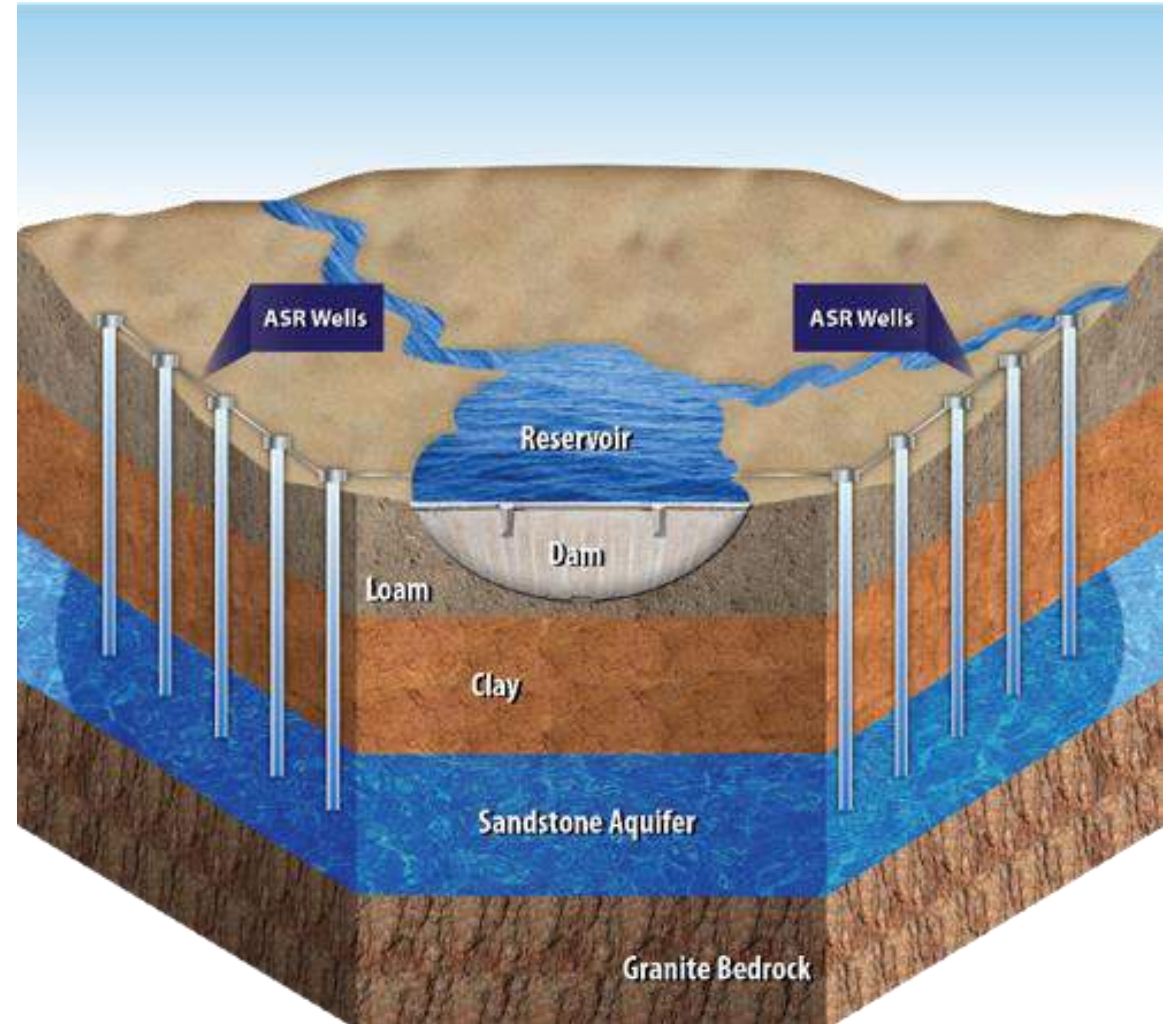
Zachary Huff, *Water Resources Engineering Director*

Aquifer Storage and Recovery (ASR)

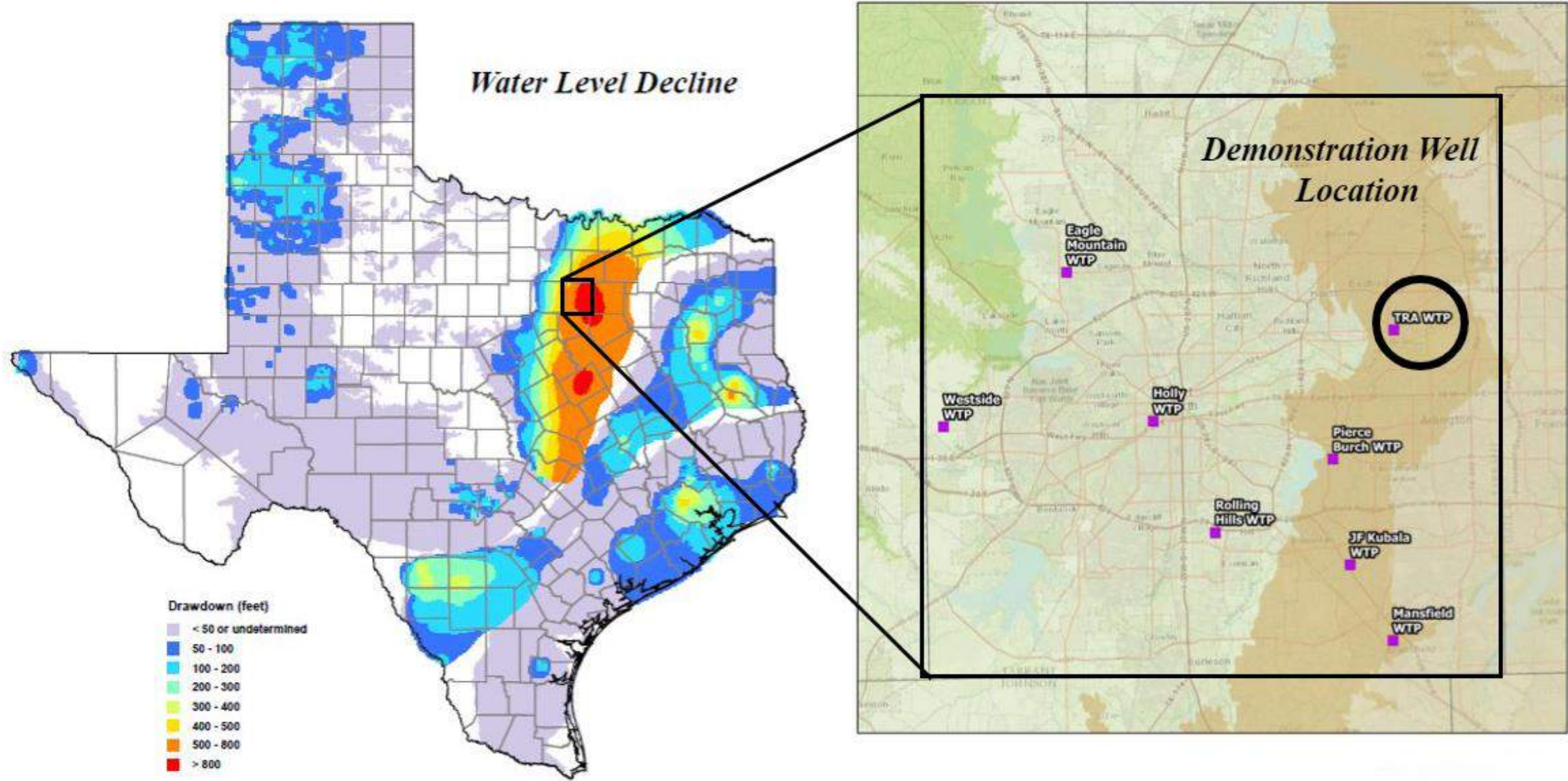


Water Portfolio Resiliency

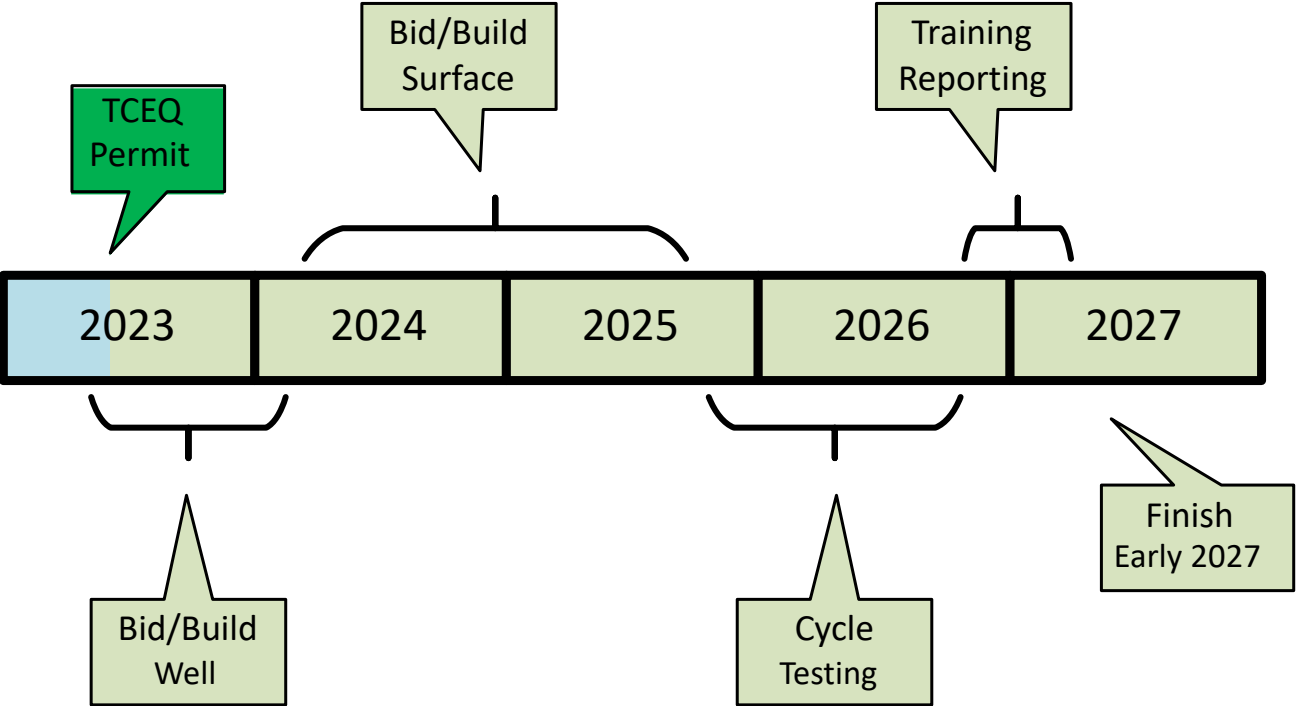
- Emergency Supply
- Drought Resistant
- No Evaporation
- Source Near Demands
- Permit Optimization
- Protection from Surface Contamination



It's Time to Drill a Well!

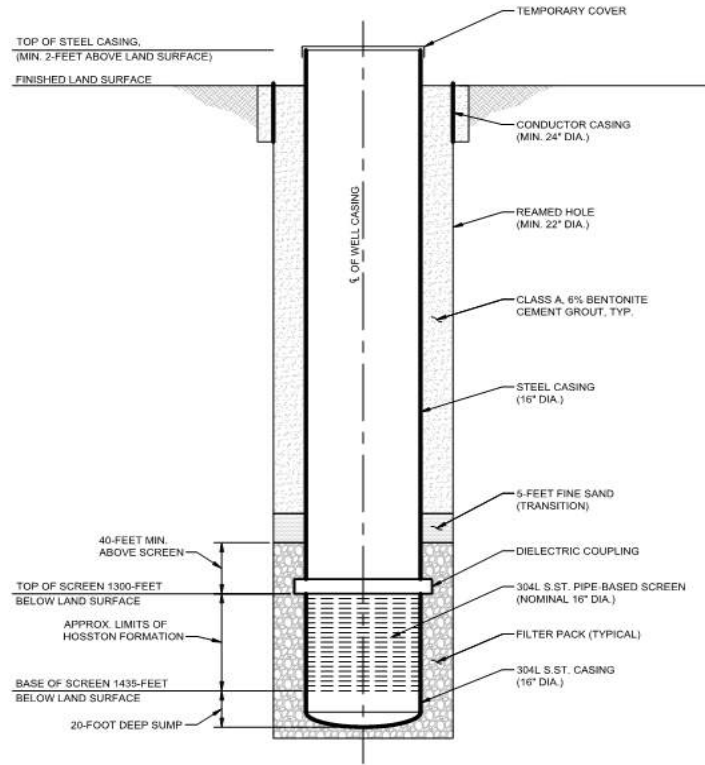


ASR Project Timeline



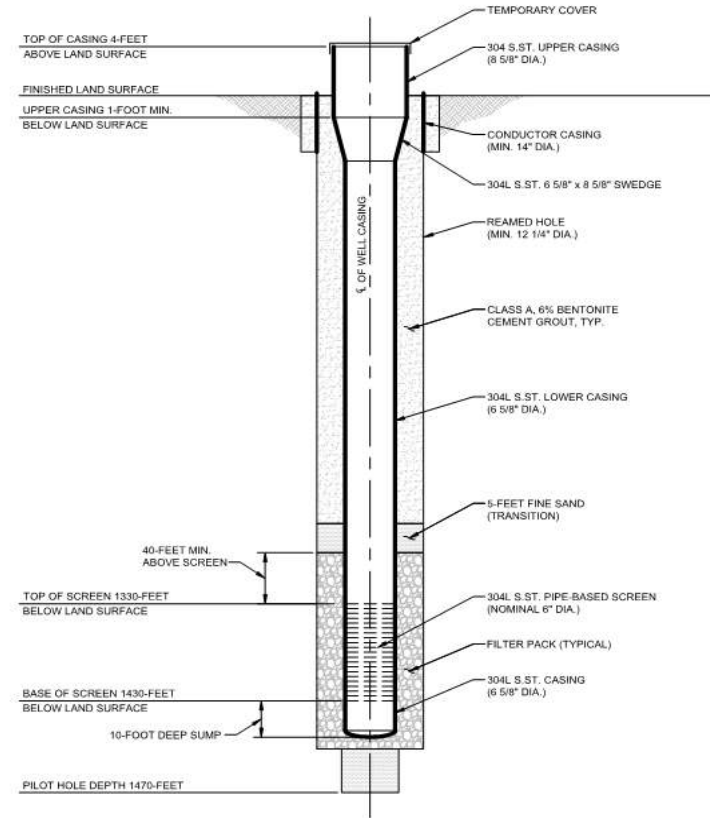
Phase 1: Well Construction

WATER SUPPLY · FLOOD PROTECTION · RECREATION



1 ASR WELL CONSTRUCTION SCHEMATIC
C-04 NOT TO SCALE

16" ASR Well



2 MONITOR WELL CONSTRUCTION SCHEMATIC
C-04 NOT TO SCALE

6" Monitoring Well



ISSUE	DATE	DESCRIPTION
A	05/18/2023	ISSUED FOR BIDS

PROJECT MANAGER:	J. C. DWYER
DESIGNED BY:	D. M. FRAZIER
DRAWN BY:	M. E. WAUER
CHECKED BY:	D. M. FRAZIER
PROJECT DATE:	MAY 2023
PROJECT NUMBER:	10119096



TRWD PROJECT NUMBER: CSP-23-149

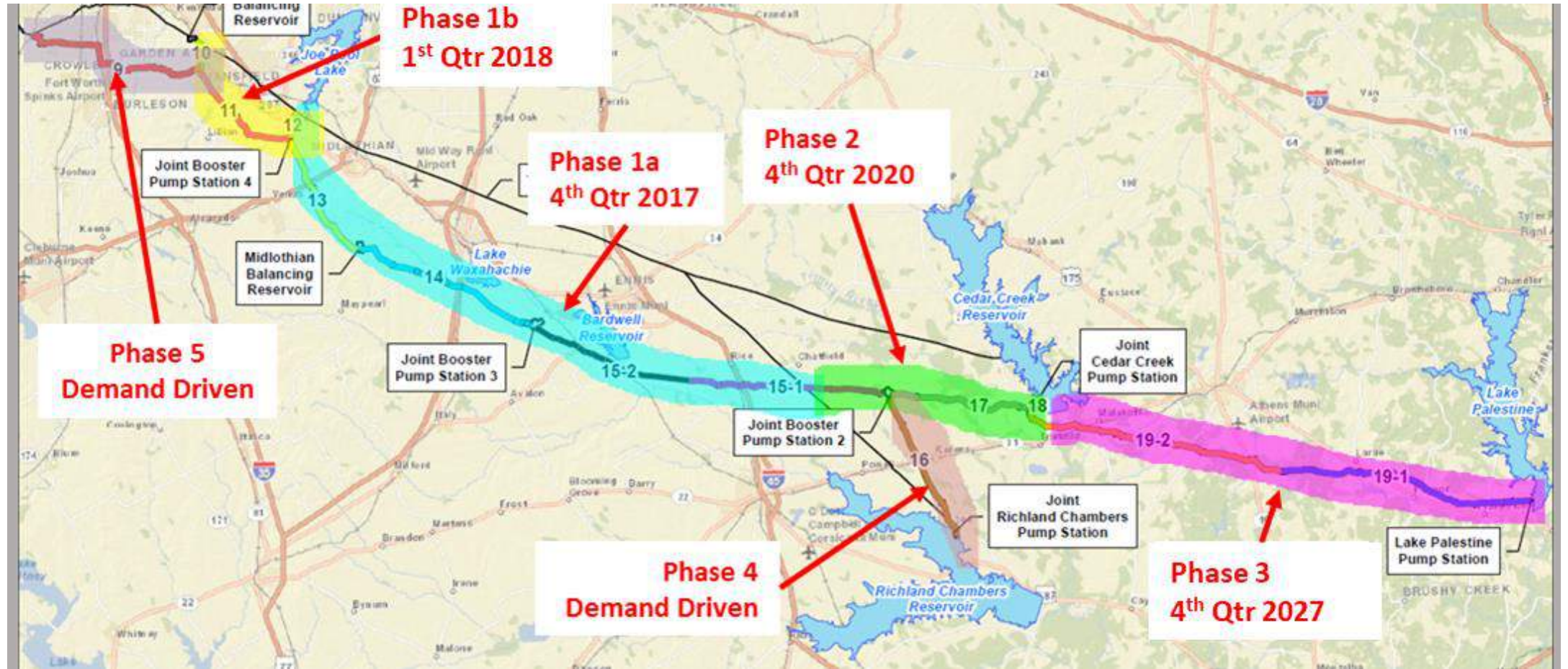
ASR WELL DEMONSTRATION STUDY
WELL DRILLING

5

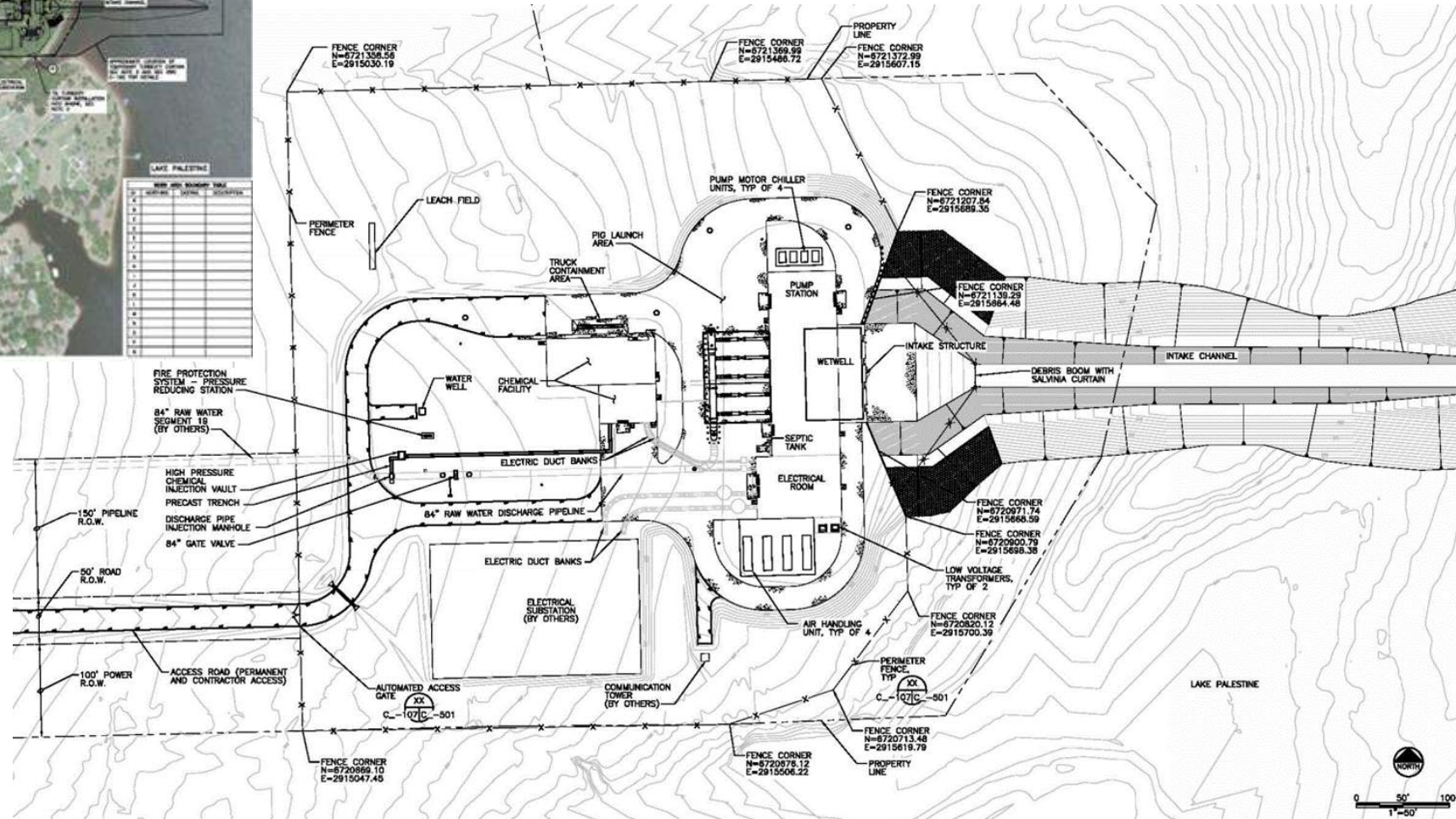
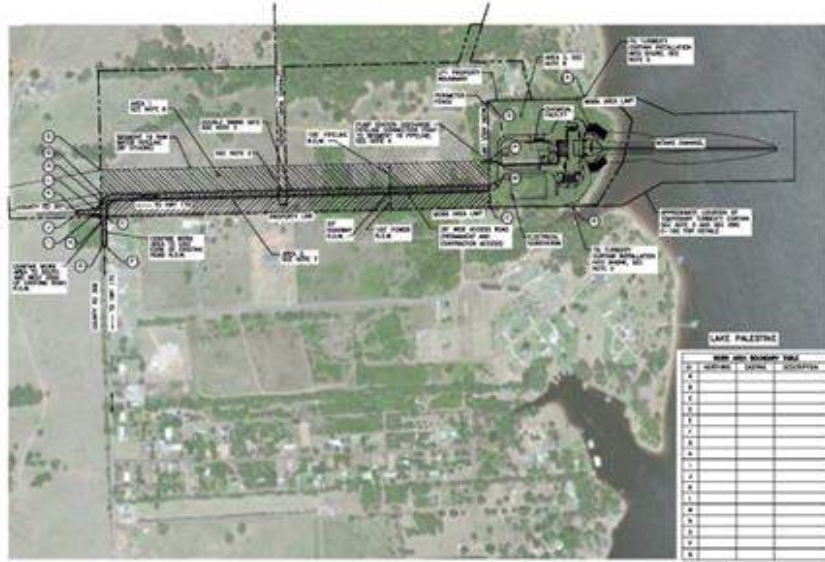
Consider Approval of Contract with BAR Constructors, Inc. for Phase 3 of the Integrated Pipeline Project - Lake Palestine Lake Pump Station and Intake - Package 1 - Wet Well and Intake Channel

Ed Weaver, *IPL Program Manager*

Integrated Pipeline Layout and Phases

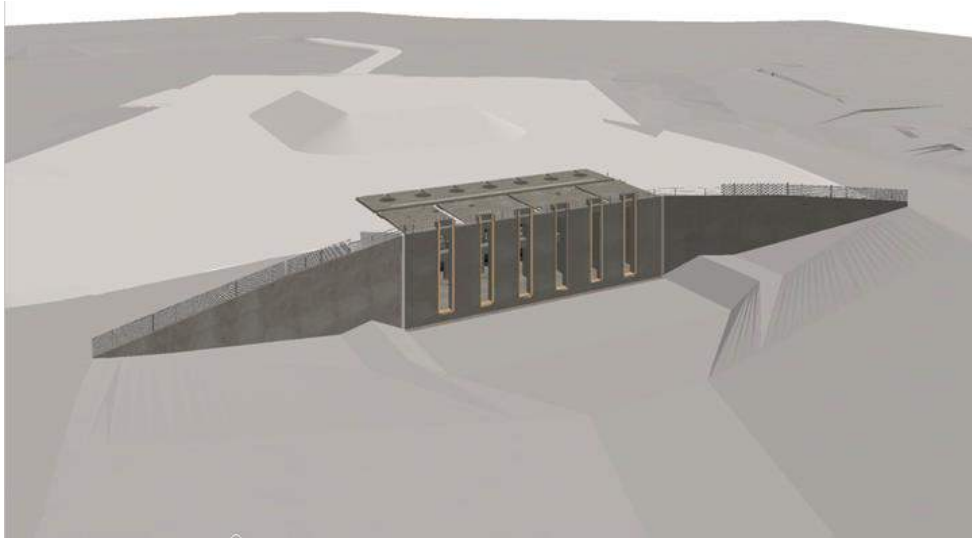


Phase 3 Integrated Pipeline Lake Palestine Pump Station Intake and Wet Well



Phase 3 Integrated Pipeline

Lake Palestine Pump Station Intake and Wet Well



Phase 3 Integrated Pipeline Lake Palestine Pump Station Intake and Wet Well



Aerial Image: © 2017 Google Earth. Annotation: © 2017 ch2m

PROJECT: INTEGRATED PIPELINE PROJECT	DATE: 08/15/2017	SCALE: AS SHOWN	PROJECT NO: 17-249
SITE: WET WELL	DATE: 08/15/2017	SCALE: AS SHOWN	PROJECT NO: 17-249
CLIENT: TARRANT REGIONAL WATER DISTRICT AND CITY OF DALLAS, TEXAS	DATE: 08/15/2017	SCALE: AS SHOWN	PROJECT NO: 17-249
DESIGNER: CH2M HILL	DATE: 08/15/2017	SCALE: AS SHOWN	PROJECT NO: 17-249

ch2m

TRWD

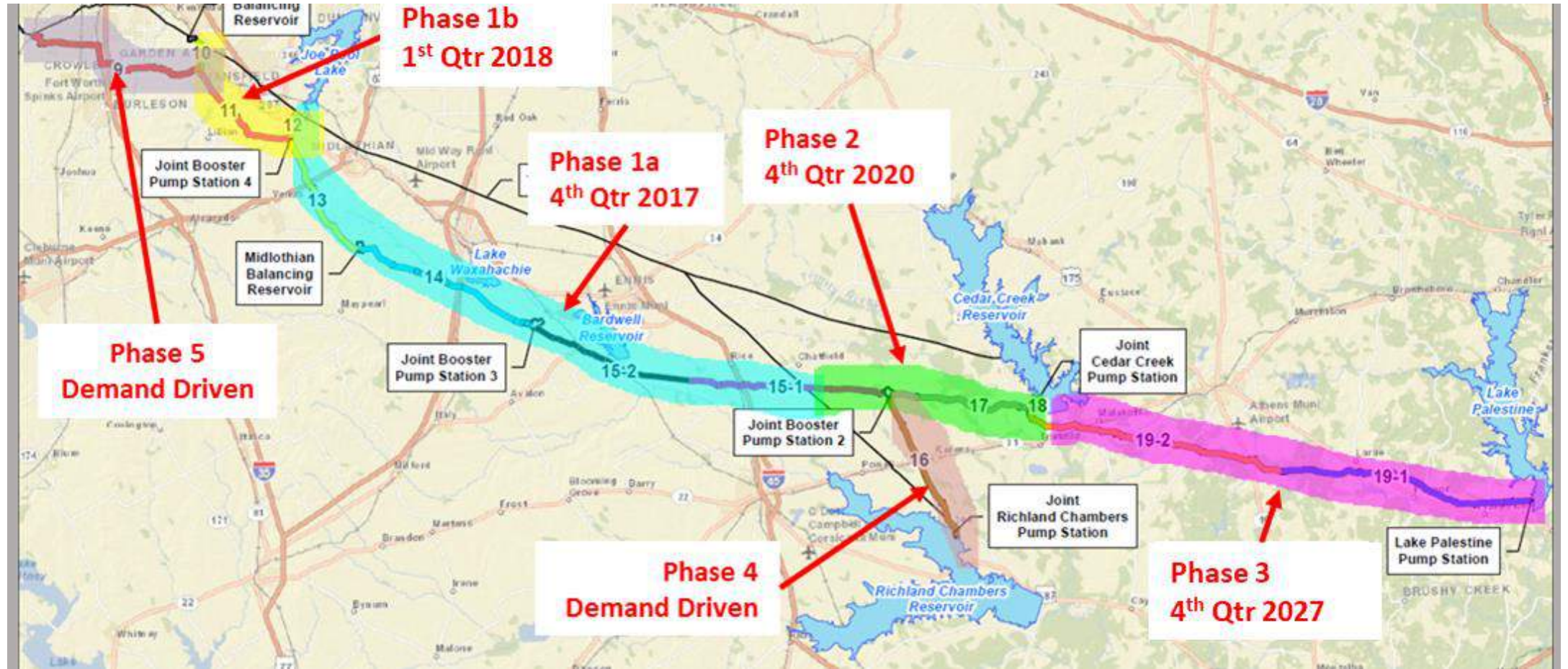
FINAL FOR CONSTRUCTION

6

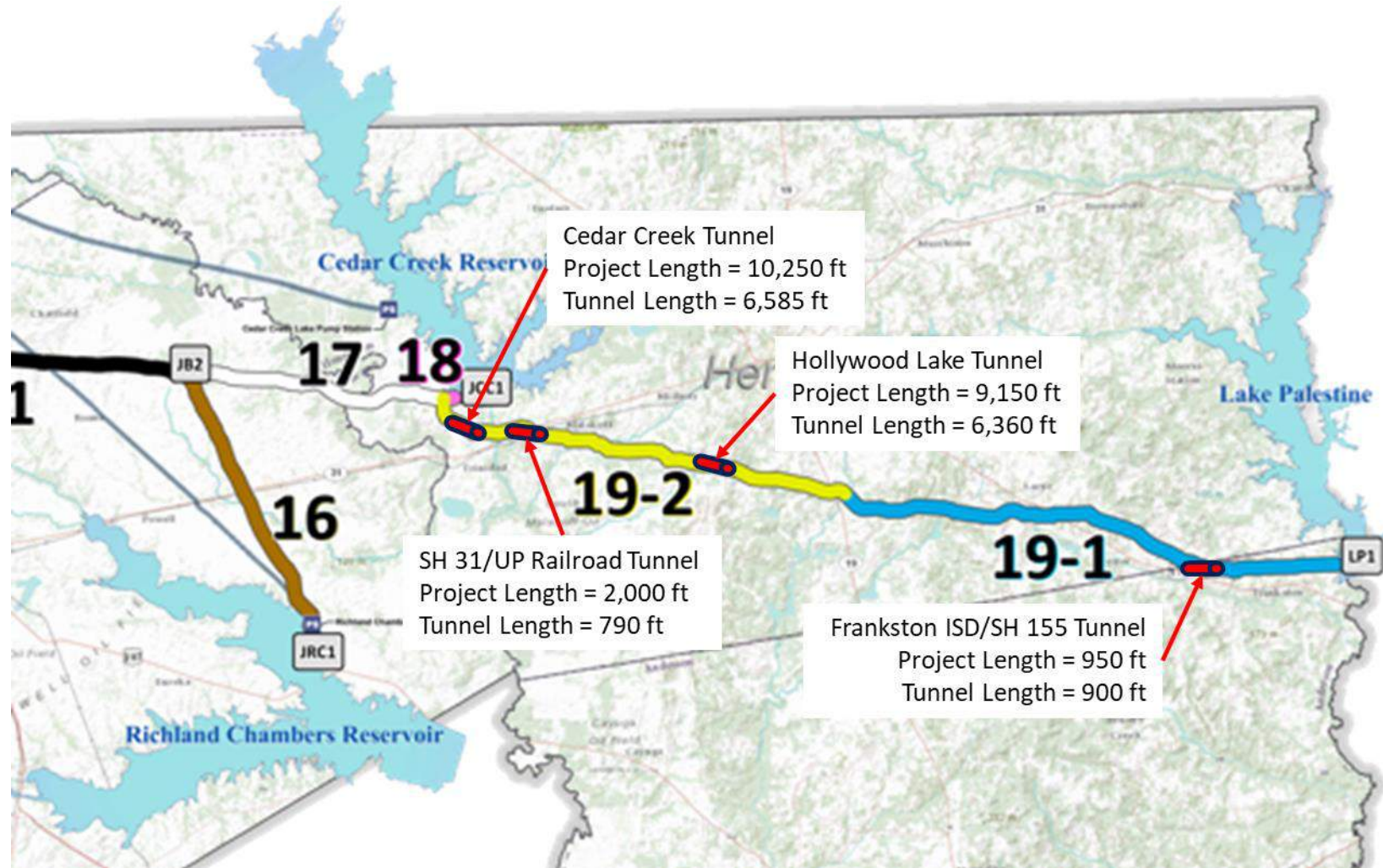
Consider Approval of Change in Calculation of Retainage with Traylor-Sundt Joint Venture for Section 19 Long Tunnel of the Integrated Pipeline Project

Ed Weaver, *IPL Program Manager*

Integrated Pipeline Layout and Phases



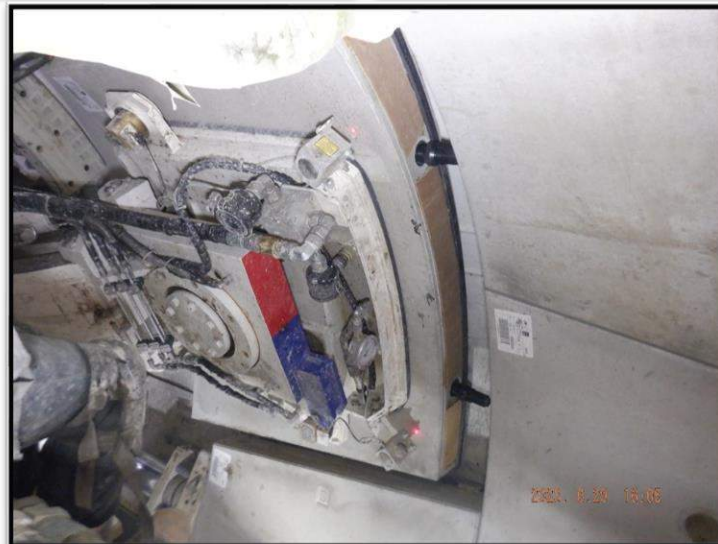
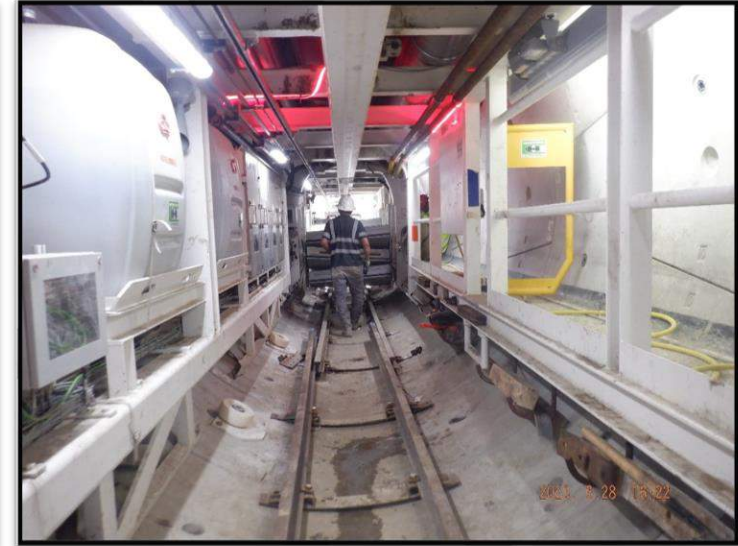
Integrated Pipeline Long Tunnels Project



Phase 3 Integrated Pipeline PL19 Long Tunnels Project -- Tunnel Boring Machine



Phase 3 Integrated Pipeline PL19 Long Tunnels Project – Cedar Creek Tunnel



Phase 3 Integrated Pipeline

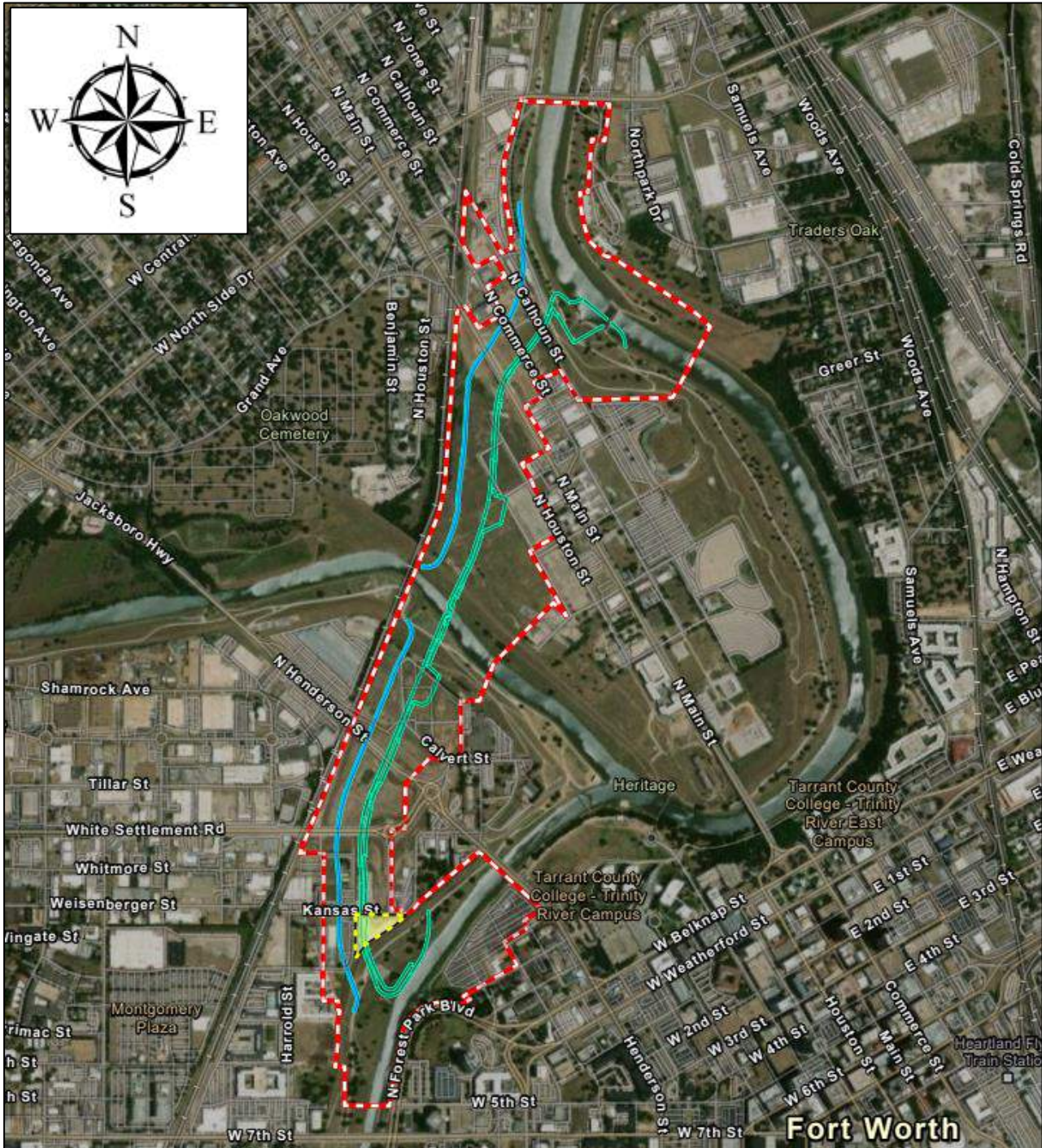
PL19 Long Tunnels Project – State Highway 155 Tunnel, Frankston TX






7

Consider Approval of Contract with Veit National, Corporation for Demolition and Asbestos Abatement of South Bypass Channel - Package 2 for the Central City Flood Control Project

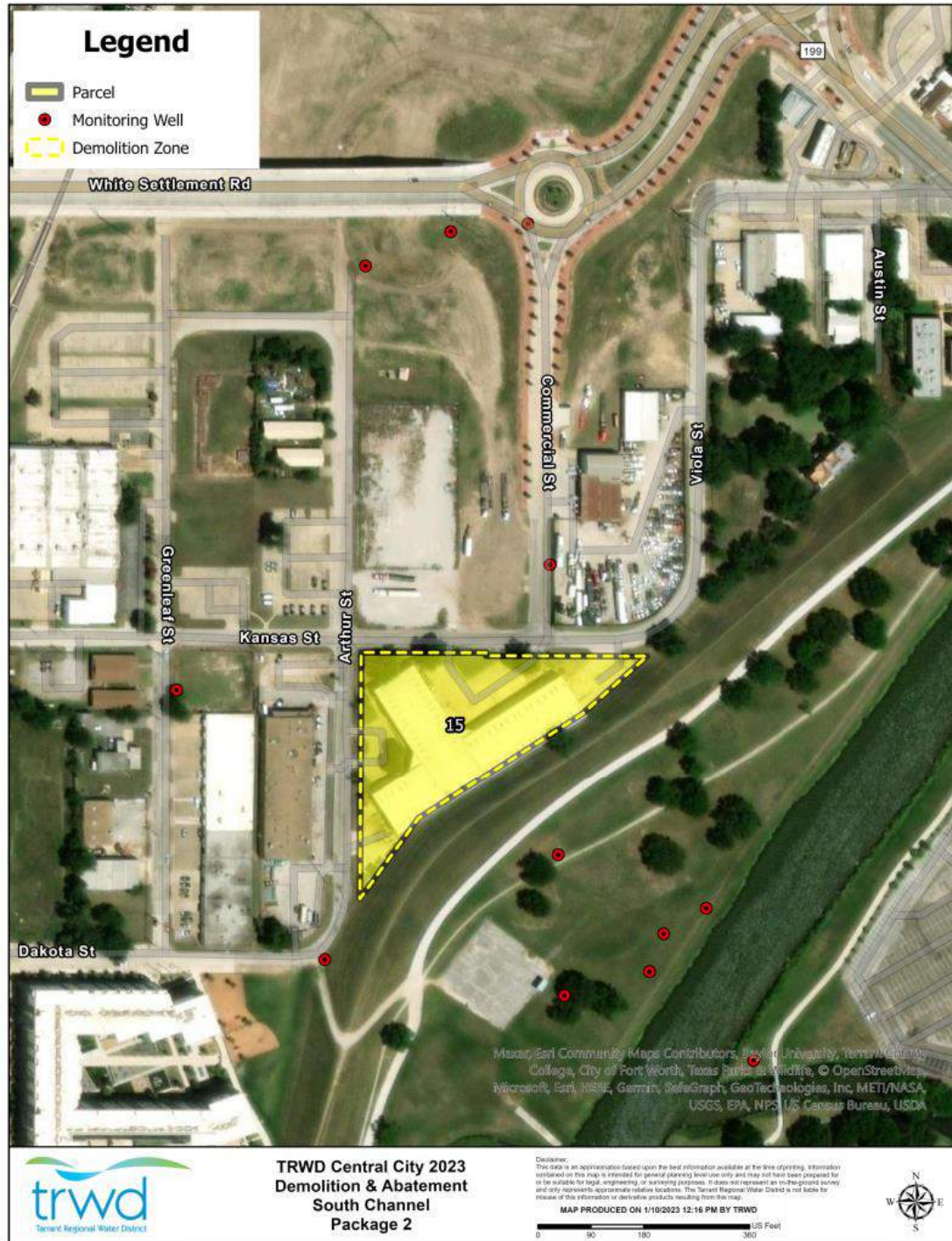
*Kate Beck, Program Director
Central City Flood Control Project*



TRWD Central City 2023 Demolition & Abatement South Channel Package 2

-  **Parcel 15 - Demolition Site**
- Bypass Channel Soft Edge:**
-  **Inner Levee Toe & 15' Offset**
- Bypass Channel Hard Edge: Bottom & Top Floodwall**
- 
- Bypass Channel Construction Limits (Proposed)**
- 

Disclaimer:
This data is an approximation based upon the best information available at the time of printing. Information contained on this map is intended for general planning level use only 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 only represents approximate relative locations. The Tarrant Regional Water District is not liable for misuse of this information or derivative products resulting from this map.



8

Consider Approval of Renewal of Service Agreement with Republic Waste Services DBA Arlington Landfill (formerly Allied Waste Systems) and Itasca Landfill, TX, LP for Environmental Waste Disposal Fees

*Kate Beck, Program Director
Central City Flood Control Project*

9

Consider Approval of Amendment to Agreement with Aptim for Environmental Engineering Services for Central City Flood Control Project

*Kate Beck, Program Director
Central City Flood Control Project*

10

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

Sandy Newby, Chief Financial Officer

Staff Update

General Manager Update

Dan Buhman, General Manager



STRATEGIC PLAN

FISCAL YEARS 2023–2026



GROWTH

OUR POPULATION HAS DOUBLED IN 50 YEARS



Optimize regional water supply.



Master Plan for future recreation.



More flood mitigation strategies.



Update our facilities.



Diverse workforce.
Great training.
Focus on safety.
Planning & support.

INVEST IN OUR PEOPLE



Develop a public feedback strategy and track progress.
Publicize when we accomplish something we promised.

IMPROVE OUR COMMUNITY STEWARDSHIP

Build a culture where employees can convey our positive aspects.
Demonstrate our values and commitment to the community.

SUPPORT LOCAL STAKEHOLDERS IN THE DEVELOPMENT OF PANTHER ISLAND



Revise the Panther Island Strategic Vision with local stakeholders.

Consult with a real estate team to sell TRWD's property on Panther Island.



FULFILL OUR ROLE IN THE CENTRAL CITY FLOOD CONTROL PROJECT

Fulfill local sponsor obligations to support USACE's bypass channel construction.

ENHANCE OUR FISCAL RESPONSIBILITY



Update long-range financial plans.
Pursue Federal and State funding.
Increase efficiency.

OUR PURPOSE: *Enriching communities and improving the quality of life through water supply, flood control & recreation.*



Staff Update

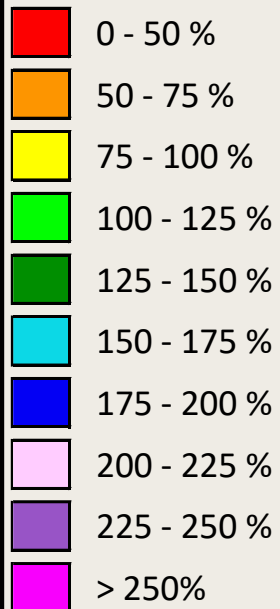
Water Resources Update

Rachel Ickert, Chief Water Resources Officer

Percent of Normal Rainfall

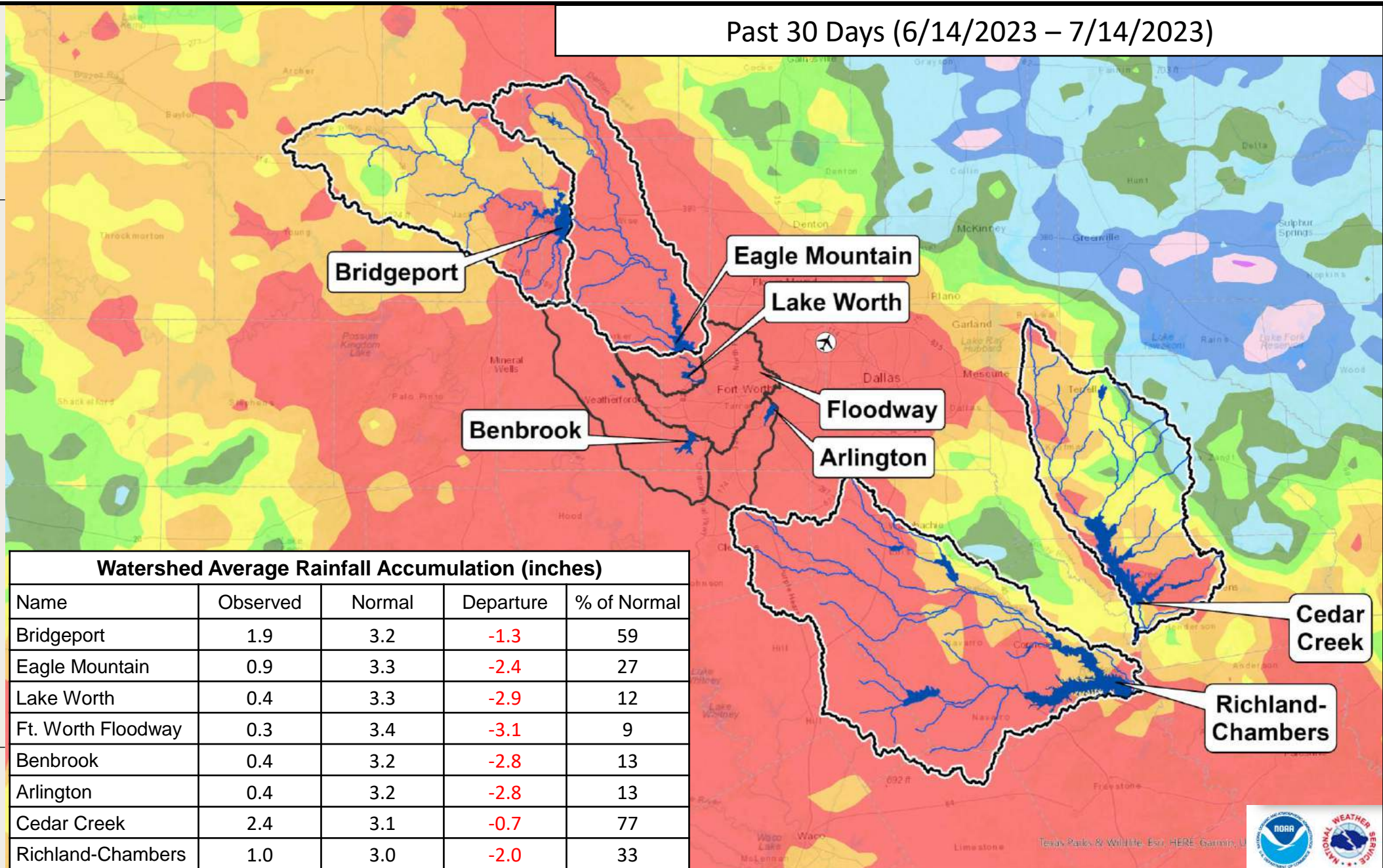


LEGEND



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 30 Days (6/14/2023 – 7/14/2023)



Watershed Average Rainfall Accumulation (inches)

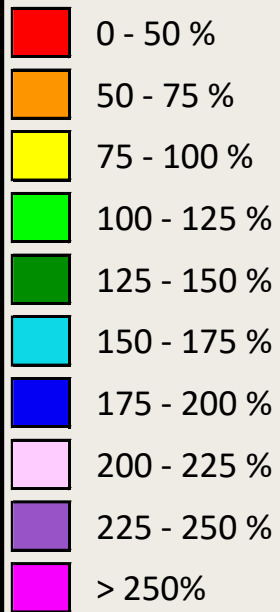
Name	Observed	Normal	Departure	% of Normal
Bridgeport	1.9	3.2	-1.3	59
Eagle Mountain	0.9	3.3	-2.4	27
Lake Worth	0.4	3.3	-2.9	12
Ft. Worth Floodway	0.3	3.4	-3.1	9
Benbrook	0.4	3.2	-2.8	13
Arlington	0.4	3.2	-2.8	13
Cedar Creek	2.4	3.1	-0.7	77
Richland-Chambers	1.0	3.0	-2.0	33



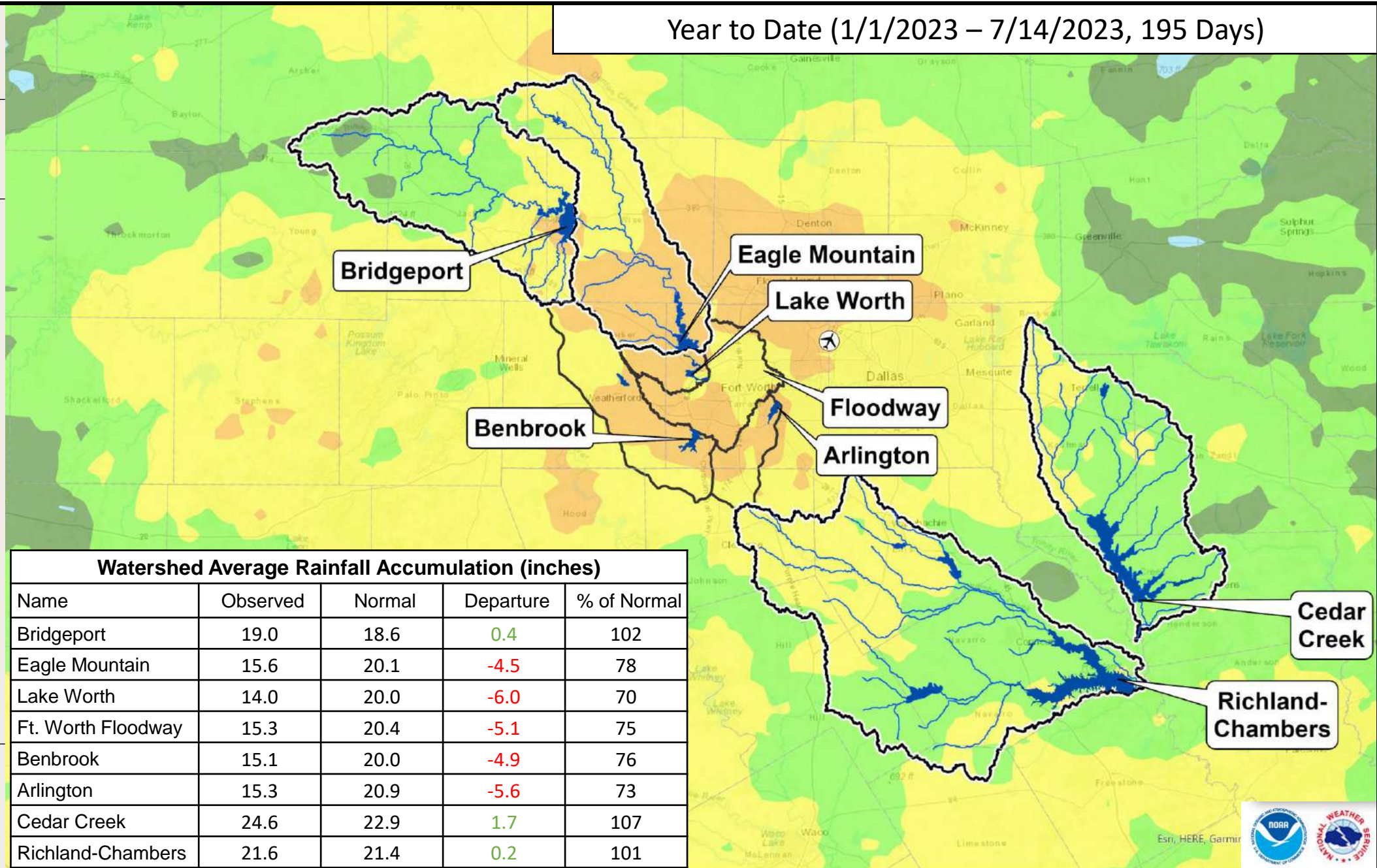
Percent of Normal Rainfall



LEGEND



Year to Date (1/1/2023 – 7/14/2023, 195 Days)

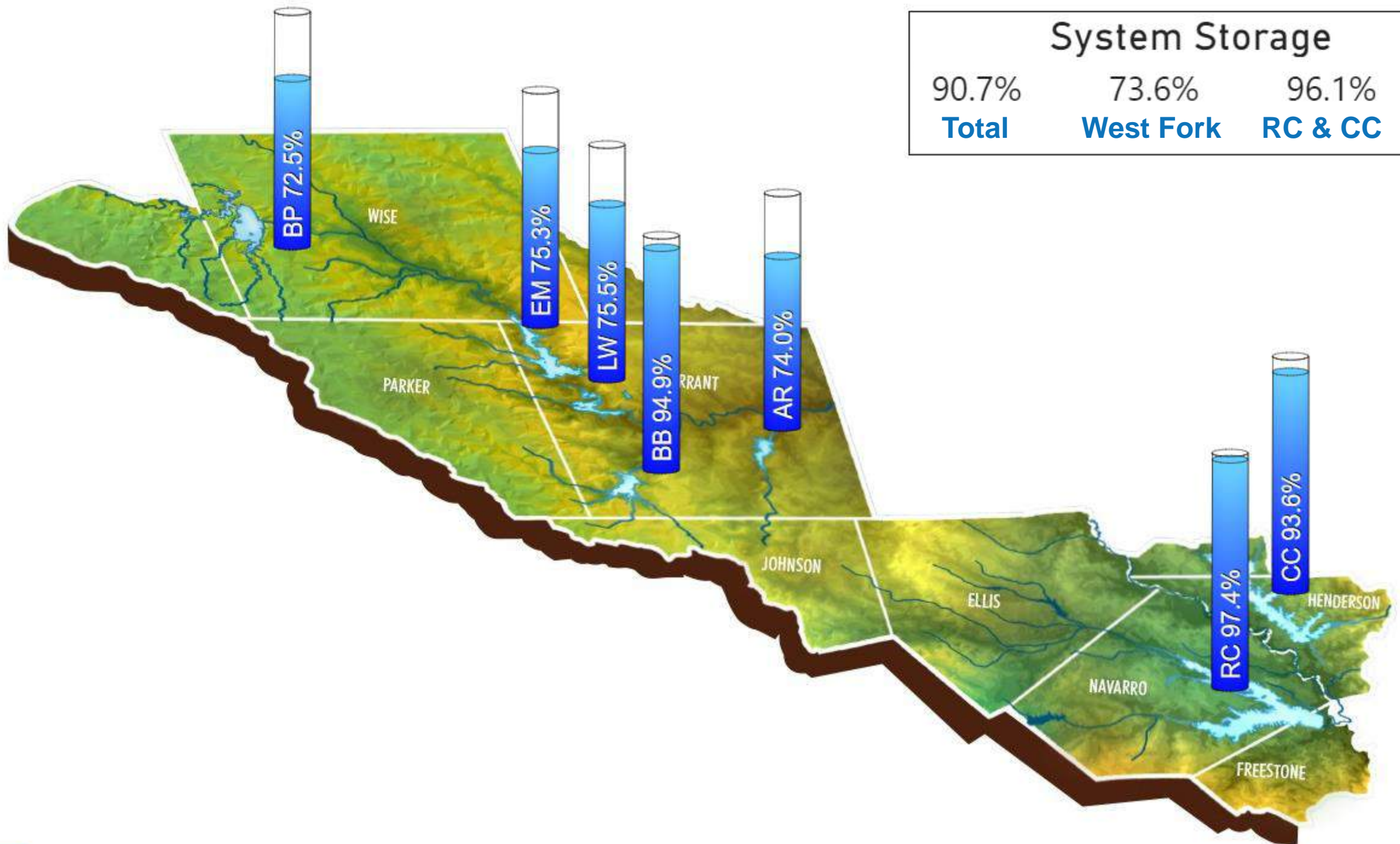


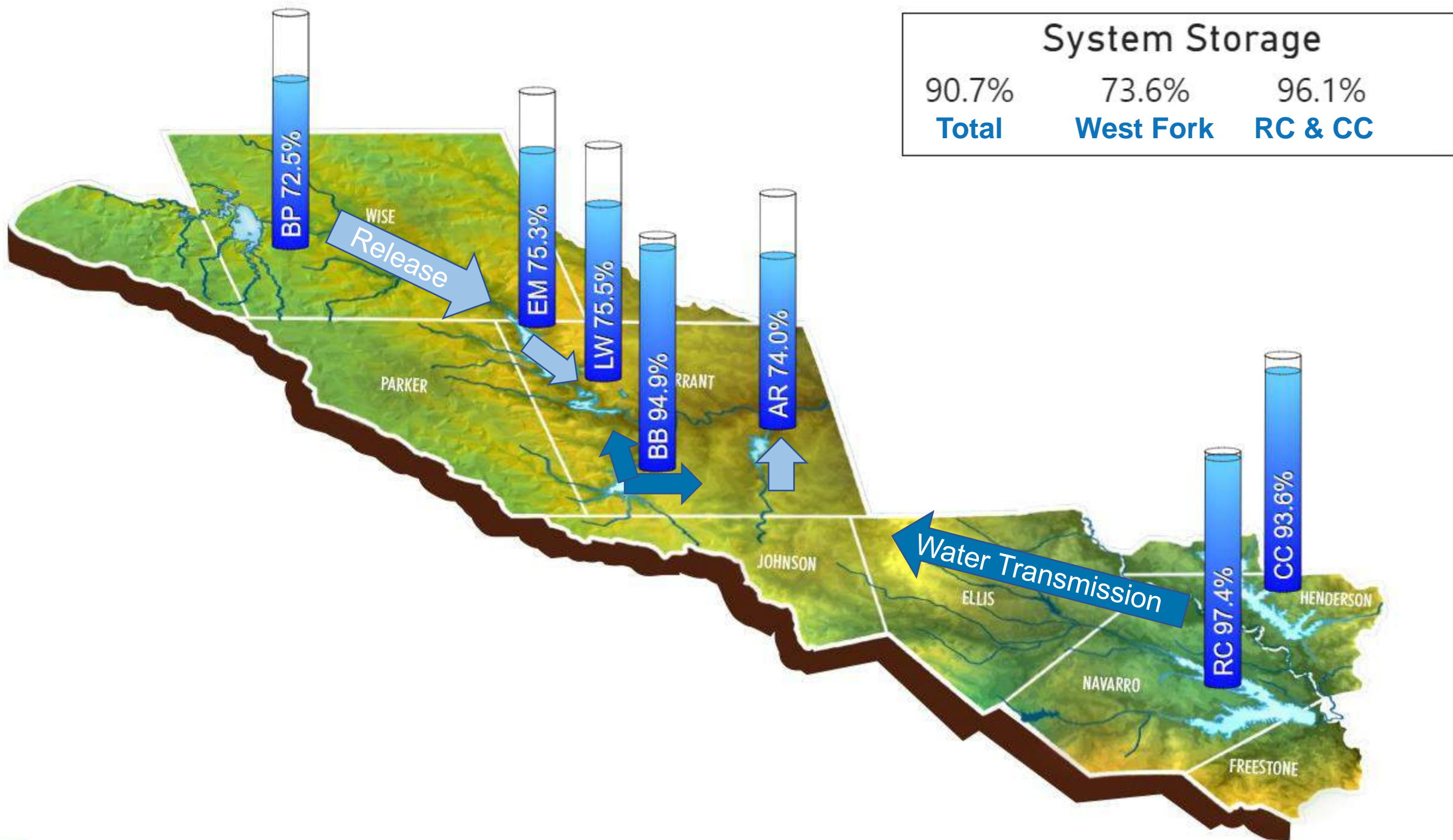
Watershed Average Rainfall Accumulation (inches)

Name	Observed	Normal	Departure	% of Normal
Bridgeport	19.0	18.6	0.4	102
Eagle Mountain	15.6	20.1	-4.5	78
Lake Worth	14.0	20.0	-6.0	70
Ft. Worth Floodway	15.3	20.4	-5.1	75
Benbrook	15.1	20.0	-4.9	76
Arlington	15.3	20.9	-5.6	73
Cedar Creek	24.6	22.9	1.7	107
Richland-Chambers	21.6	21.4	0.2	101

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.

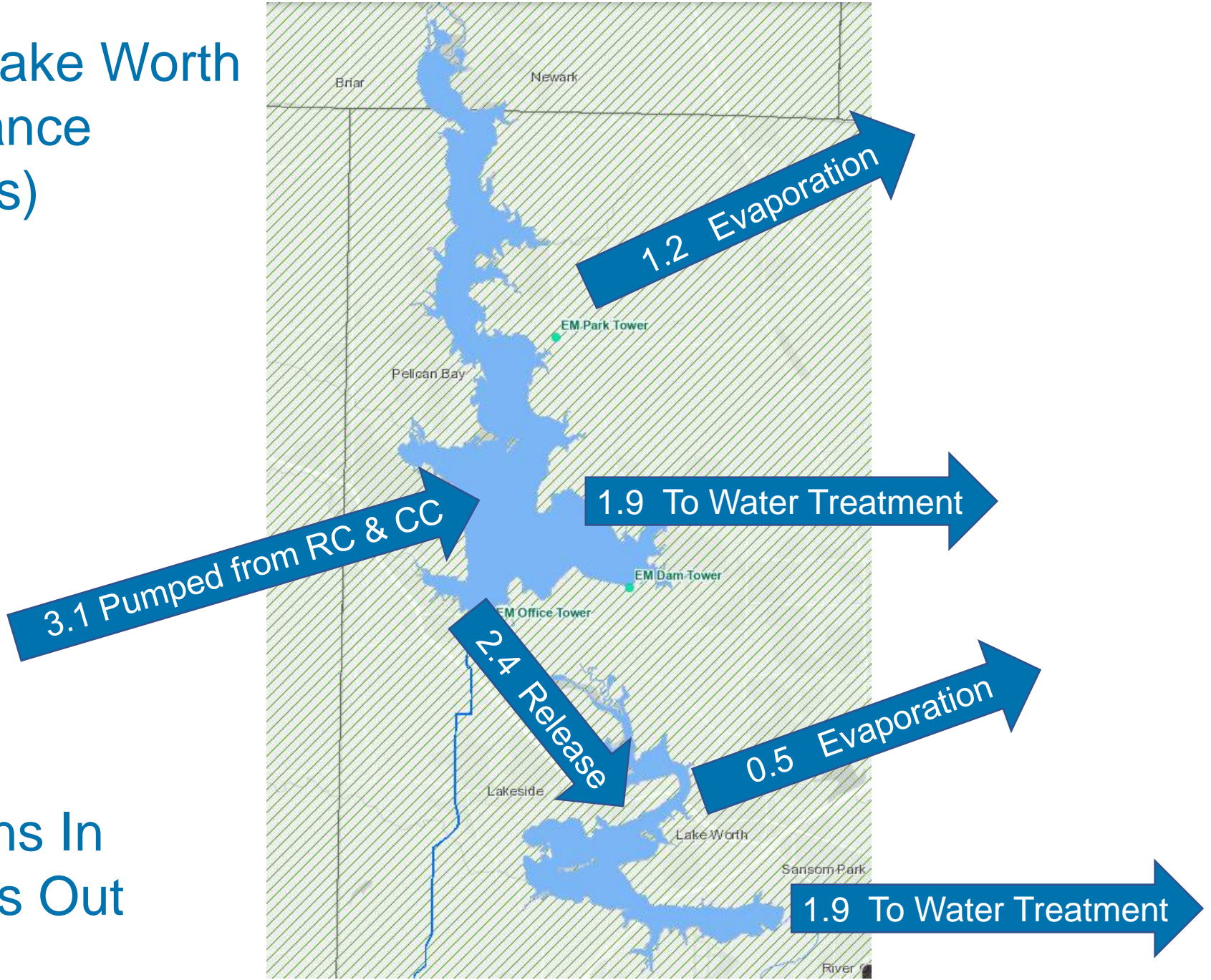




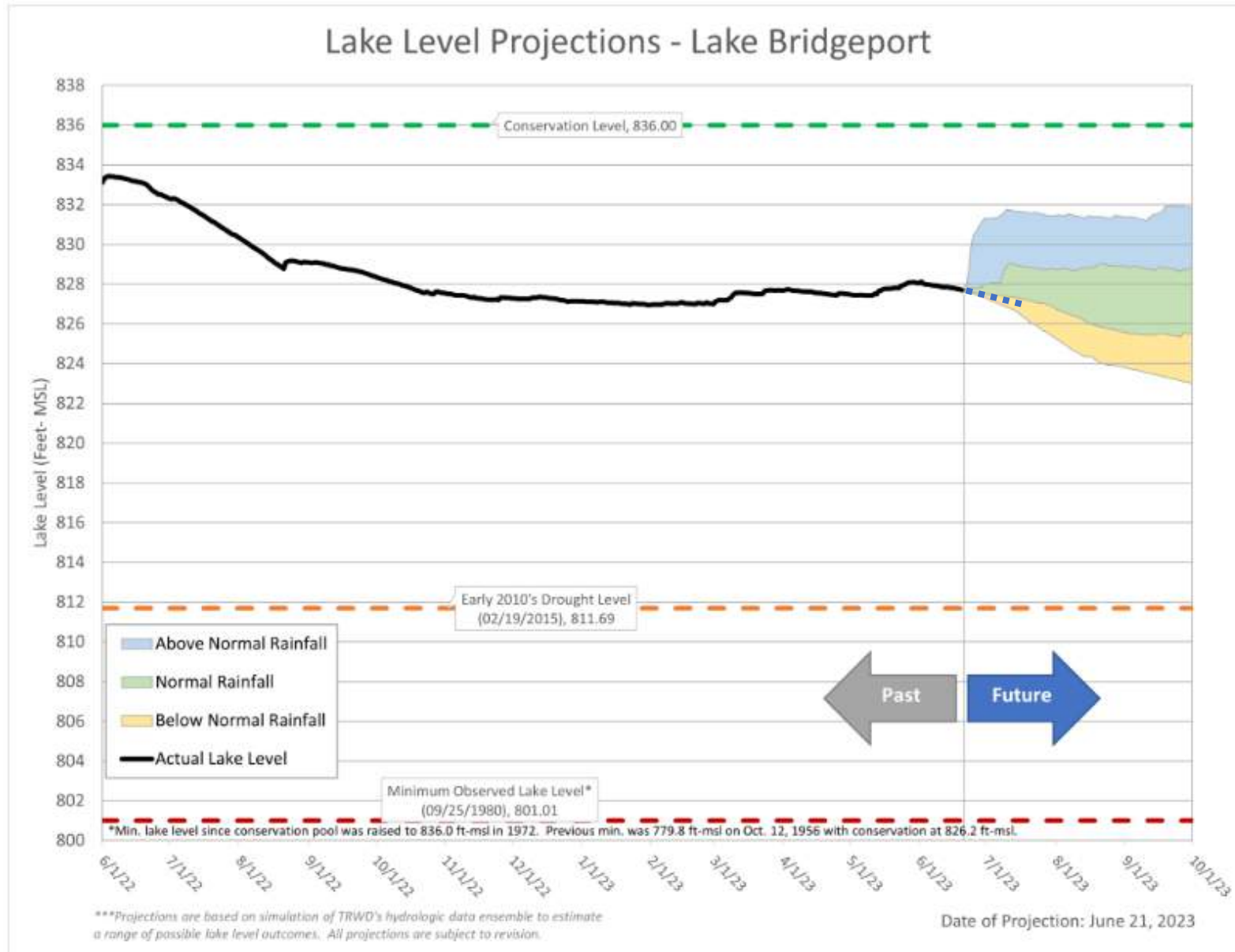


Eagle Mountain and Lake Worth June Water Balance (Billion Gallons)

3.1 Billion Gallons In
5.5 Billion Gallons Out

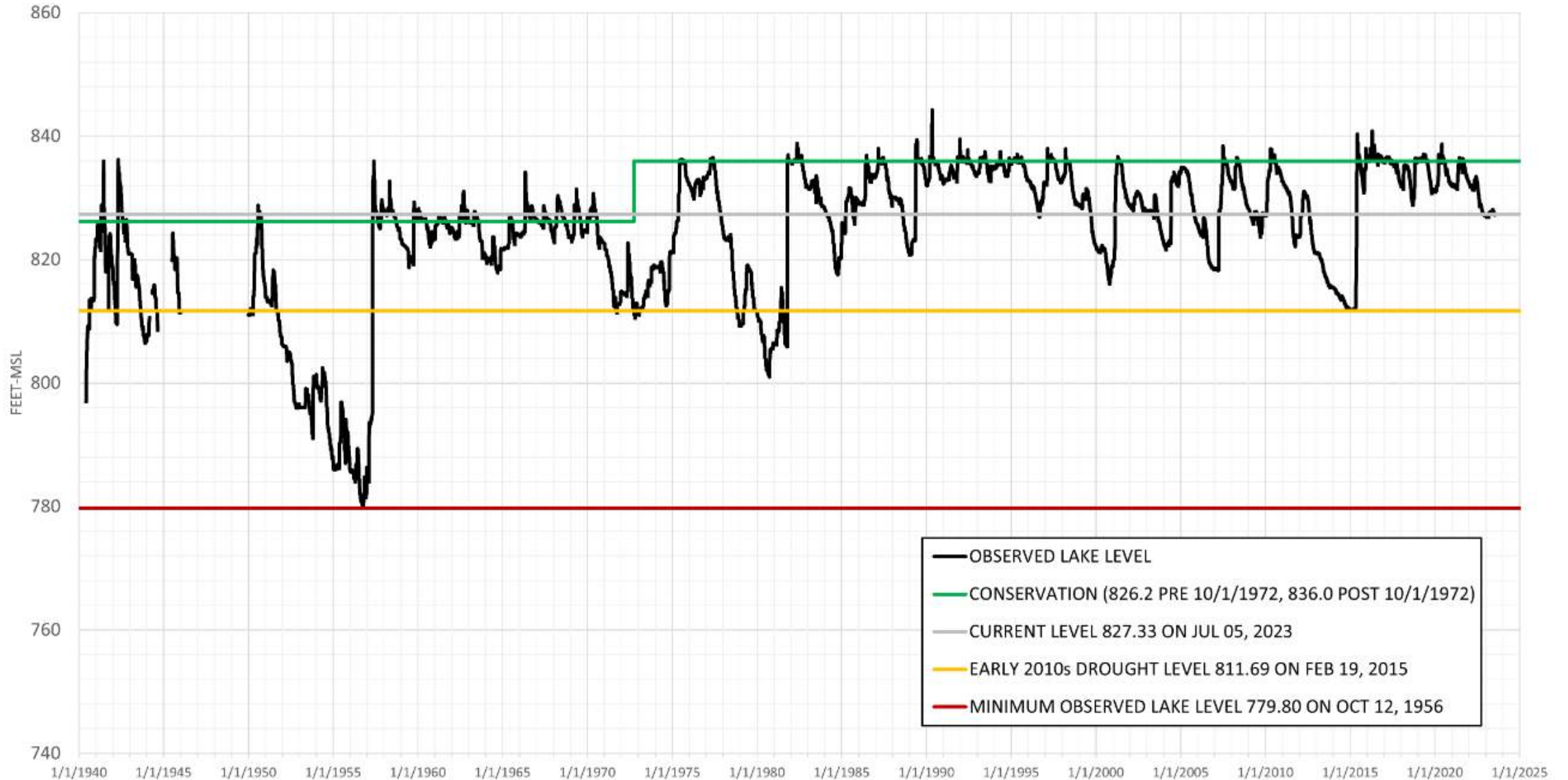


TRWD Lake Level Blog

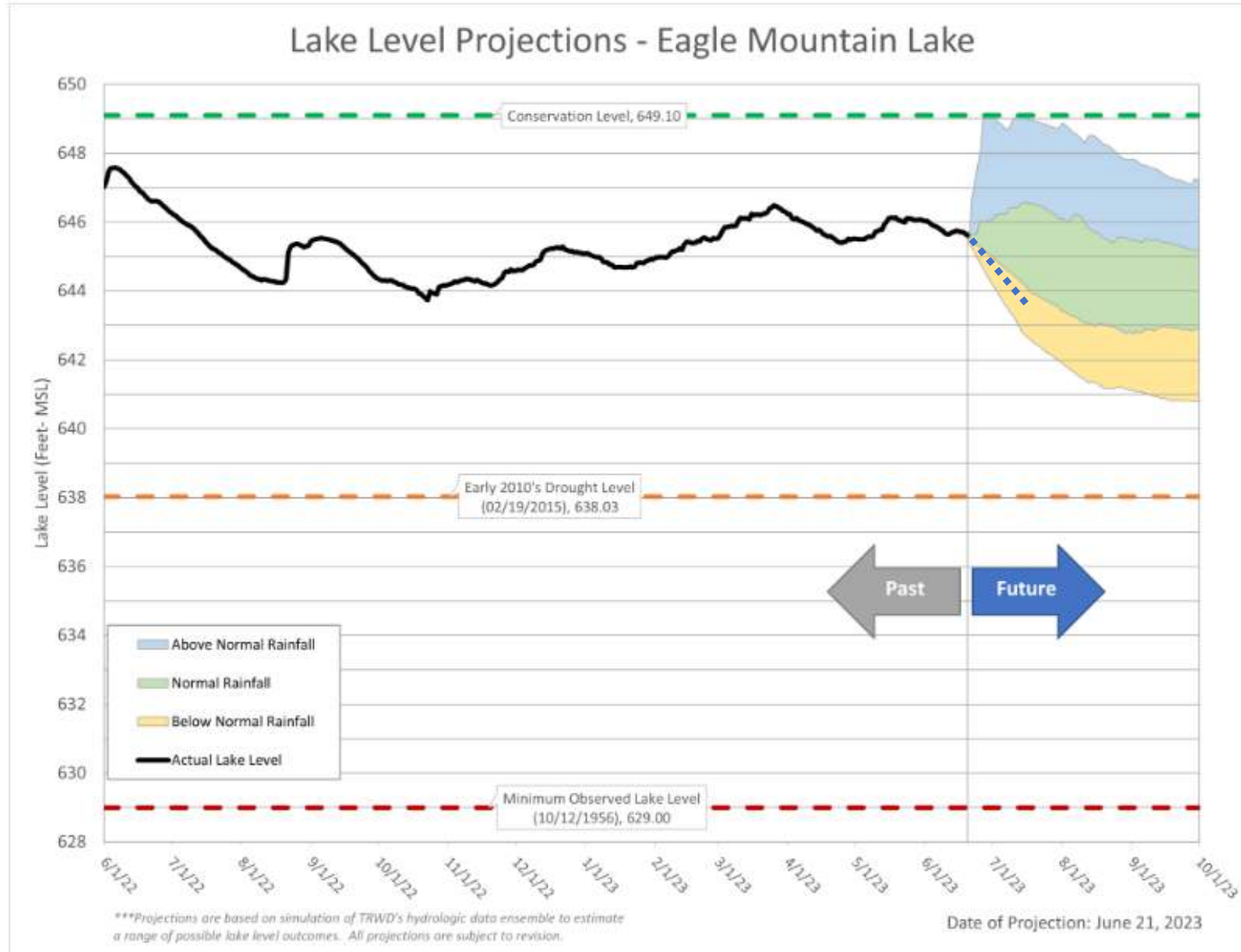


TRWD Lake Level Blog

LAKE BRIDGEPORT HISTORICAL LAKE LEVELS

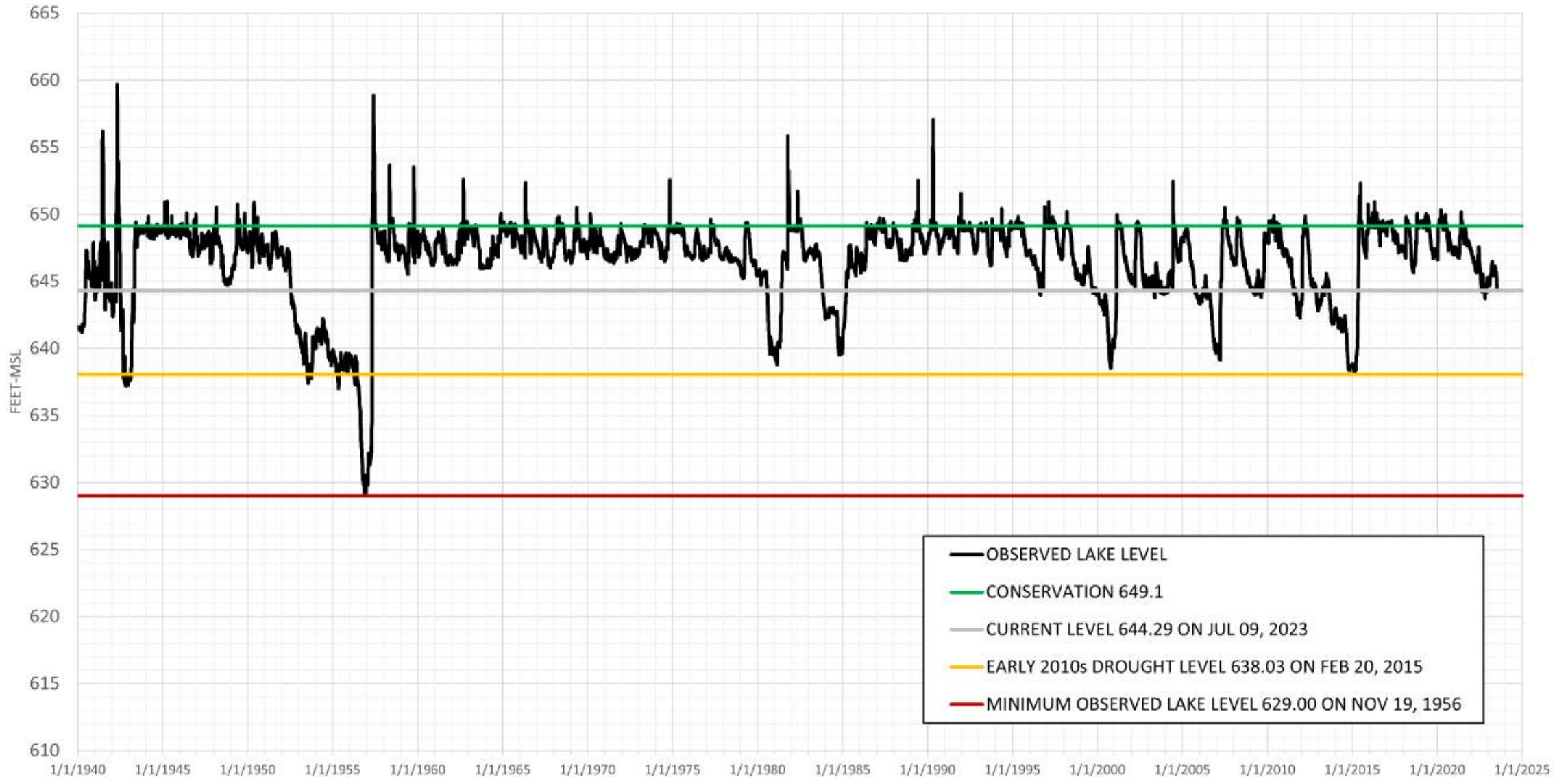


TRWD Lake Level Blog

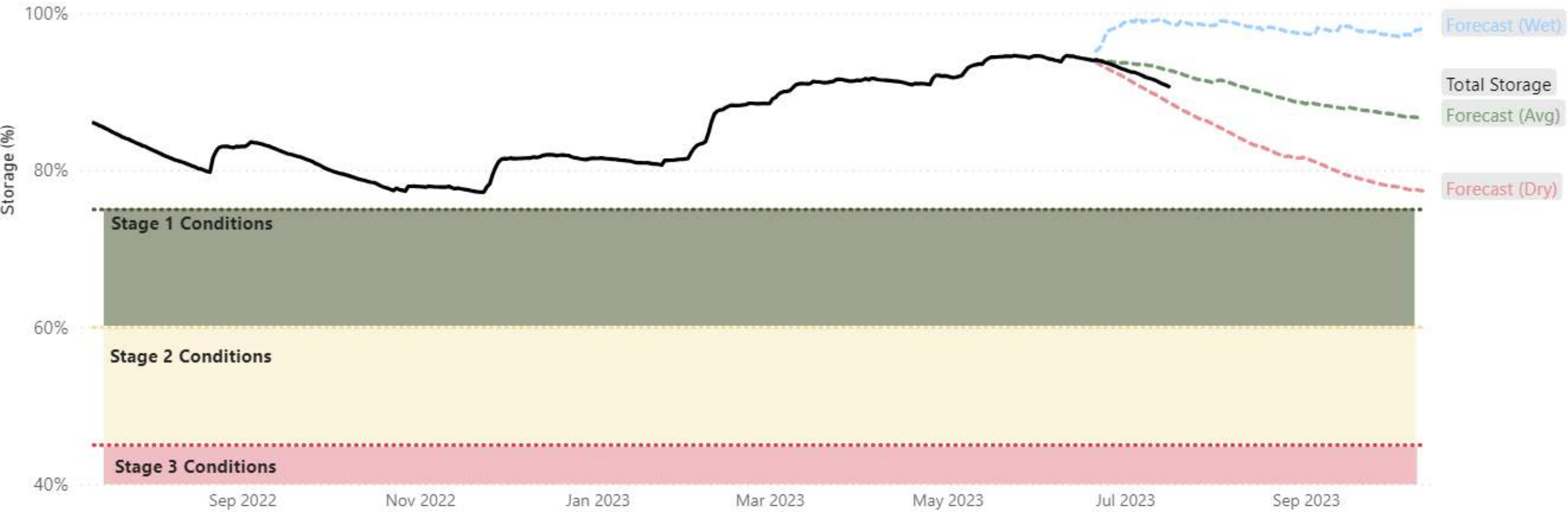


TRWD Lake Level Blog

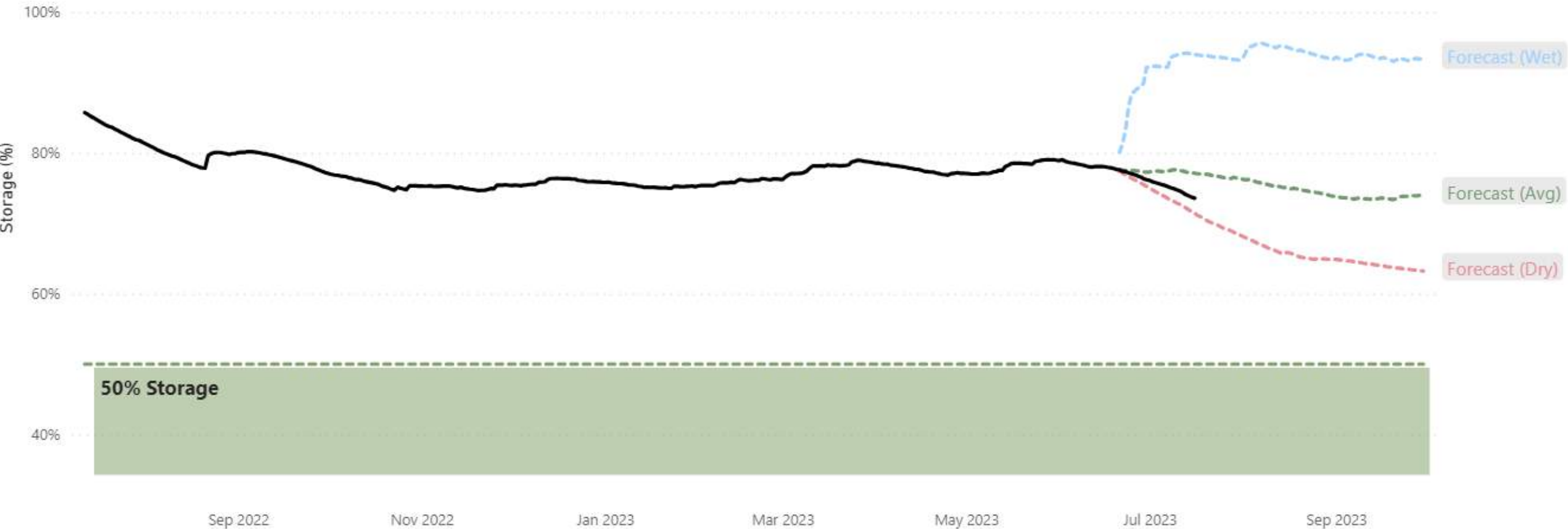
EAGLE MOUNTAIN LAKE HISTORICAL LAKE LEVELS



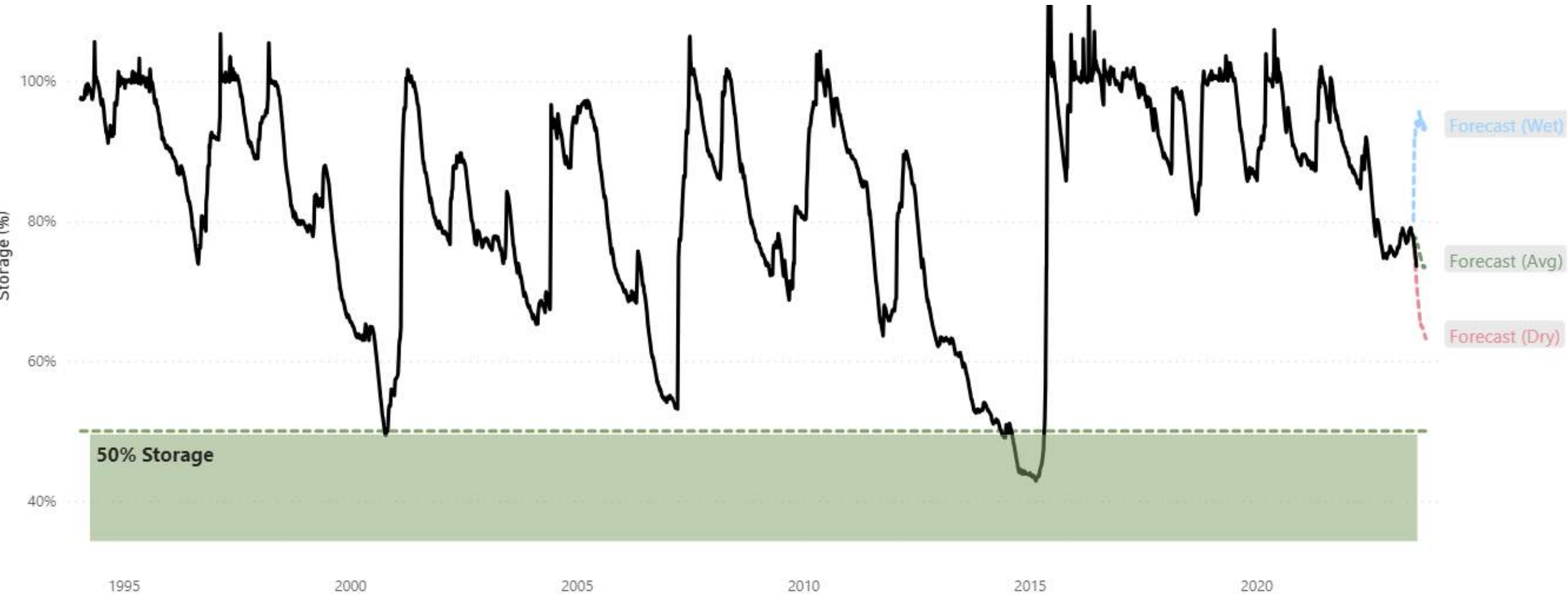
Historic and Projected Total Water Supply Storage



Historic and Projected West Fork Water Supply Storage



Historic and Projected West Fork 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

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.

19JUL2023 (WED) - 23JUL2023 (SUN) Duration: 5 Days

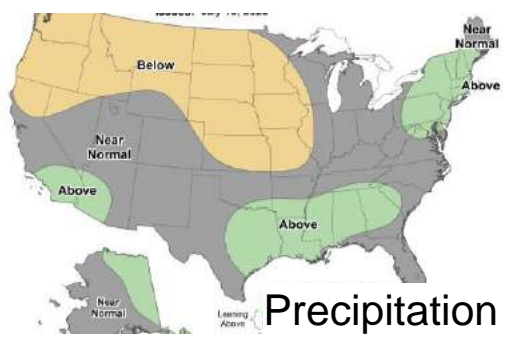
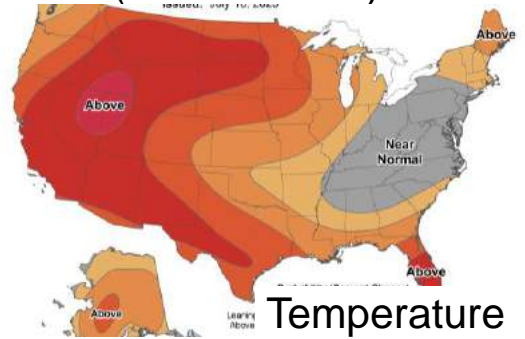


Main Takeaway

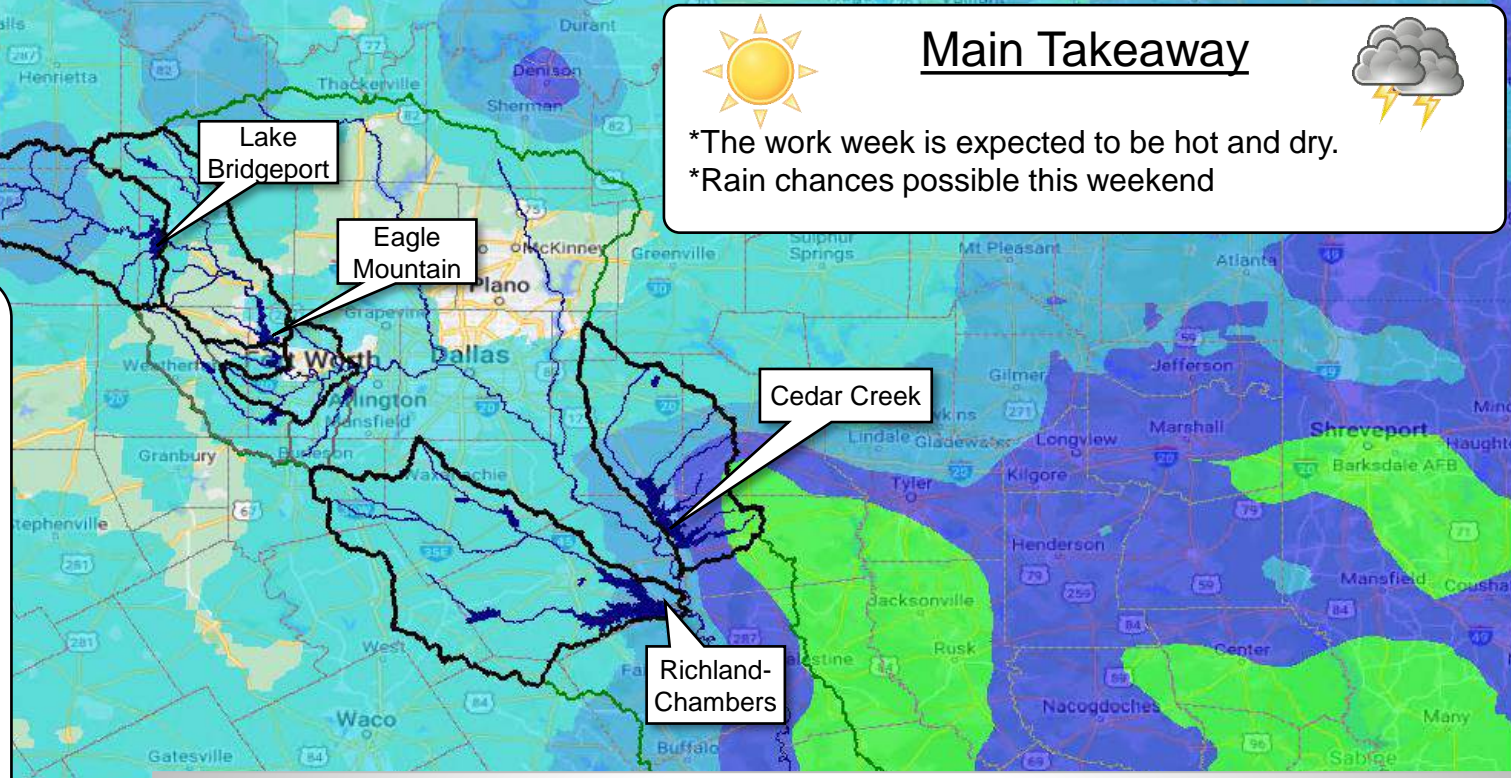


- *The work week is expected to be hot and dry.
- *Rain chances possible this weekend

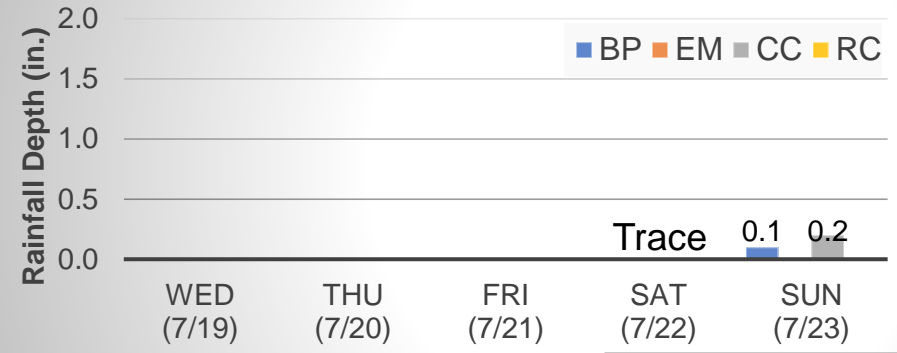
8 to 14 Day Outlook
Above normal temperatures, but rain chances exist.
(Jul 24 – Jul 30)



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



Daily Forecasted Rainfall Totals



Reservoir	Forecast Total (in.)
BP	Trace
EM	Trace
CC	0.0
RC	Trace

NWS Forecast Time: 2023-07-17 1200 GMT



Staff Update

Regional Water Conservation Public Awareness Campaign Update

Dustan Compton, Conservation Manager

Spring Mini-Campaign



Get FREE Watering Updates at WATERISAWESOME.COM



Get FREE Watering Updates at WATERISAWESOME.COM



Get FREE Watering Updates at WATERISAWESOME.COM

Summer Campaign - Sprinklers



Summer Campaign – Rule of 1/3s



Summer Campaign - Episodes



Simple Ways to Save with Sprinklers

Use Native Plants

Smart Landscape Design

Sprinkler System Upgrades

Best Tips to Save Water

Sistemas de Aspersión

Diseña tu Jardín

Staff Update

Fort Worth Hispanic Chamber's “50 Emerging Latino Leaders” Update

Sandy Newby, Chief Financial Officer



Crystal Alba
Diverse Business Specialist



FORT WORTH
HISPANIC CHAMBER
OF COMMERCE

As part of their 50th anniversary, the Fort Worth Hispanic Chamber of Commerce has named “*50 Emerging Latino Leaders*” in our community.

The District is proud to have Crystal Alba identified as a Latino Leader!



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Executive Session



13

Future Agenda Items



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**Next Board Meeting
August 15, 2023 at 9:00 AM**



15

Adjourn