BOARD OF DIRECTORS MEETING

October 17, 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







Consider Approval of the Minutes from the Meetings Held on September 13, 2023, and September 19, 2023







4

Consider Approval of Consent Agenda





- Consider Approval of Purchase from Thompson Pipe for Replacement and Inventory Pipe Segments for the Richland-Chambers and Cedar Creek Pipelines
- Consider Approval of Contract with Republic Services for Solid Waste Management Services
- Consider Approval of Contract with American United Life Insurance Company (OneAmerica) to Provide Long-Term Disability Insurance Coverage

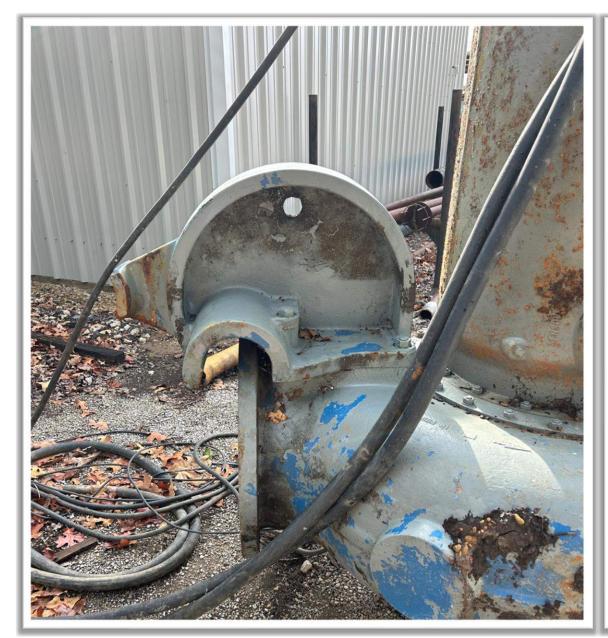




Consider Approval of Purchase from Xylem Water Solutions USA Inc. of Flygt Submersible Pump for George Shannon Wetland Relift Pump Station

Darrell Beason, Chief Operations Office











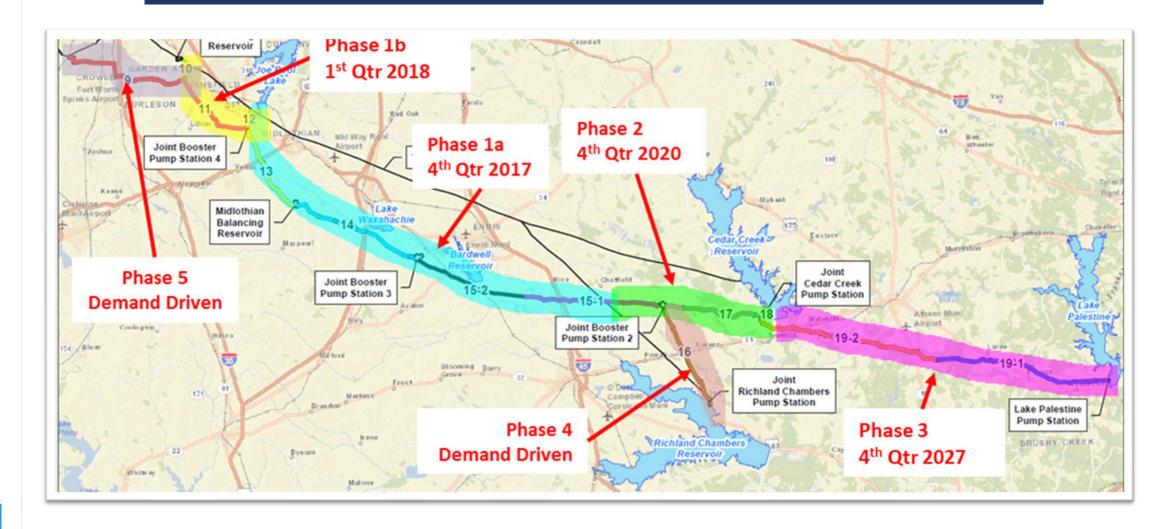
6

Consider Approval of Task Order Contract with Alliance Geotechnical Group for Construction Materials Inspection and Testing Services for the Integrated Pipeline Lake Palestine Intake and Pump Station

Ed Weaver, IPL Program Manager

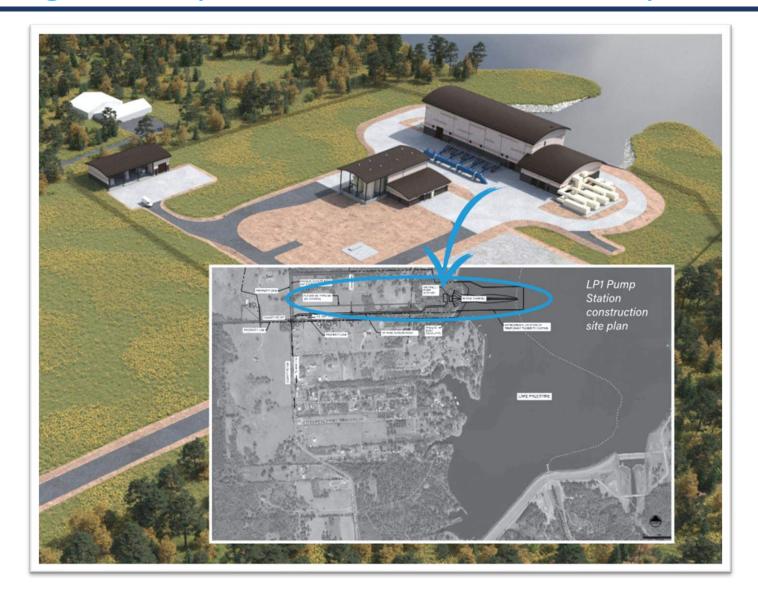


Integrated Pipeline Layout and Phases





Integrated Pipeline Lake Palestine Pump Station





Integrated Pipeline Project Lake Palestine Pump Station Intake



Cedar Creek and Lake Palestine 3-D Model Cross Section -- Cedar Creek and Lake Palestine Lake Pump Stations are the same design. Primary difference is Lake Palestine is equipped with five pumps while Cedar Creek has seven.





Integrated Pipeline Project Lake Palestine Pump Station Intake Construction Materials Inspection and Testing (CMIT)







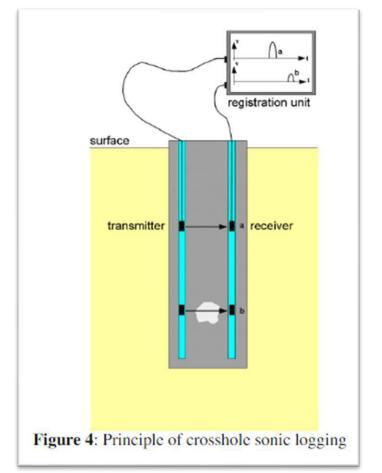


Integrated Pipeline Project Lake Palestine Pump Station Intake Construction Materials Inspection and Testing (CMIT)













Consider Approval of Contract with Oncor Electric Delivery Company for Construction of Temporary Three Phase 480 Volt Electric Service for Construction of Lake Palestine Pump Station of the **Integrated Pipeline Project**

Zachary Huff, Water Resources Engineering Director



LP1 Distribution Power









8

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 Bonds, Approving an Official Statement, and Authorizing Other Instruments and Procedures Relating Thereto

Jennifer Mitchell, Finance Director





9

Consider Approval of Order Authorizing the Issuance of Tarrant Regional Water District, a Water Control and Improvement District, Unlimited Tax Refunding Bonds; Levying an Ad Valorem Tax in Support of the Bonds; Establishing the Procedures of Selling and Delivering the Bonds; and Authorizing Other Matters Related to the Issuance of the Bonds

Jennifer Mitchell, Finance Director



Staff Update

General Manager Update

Dan Buhman, General Manager



Staff Update

Water Resources and Planning Update

Rachel Ickert, Chief Water Resources Officer



Percent of Normal Rainfall



LEGEND

0 - 50 %

50 - 75 %

75 - 100 %

100 - 125 %

125 - 150 %

150 - 175 %

175 - 200 %

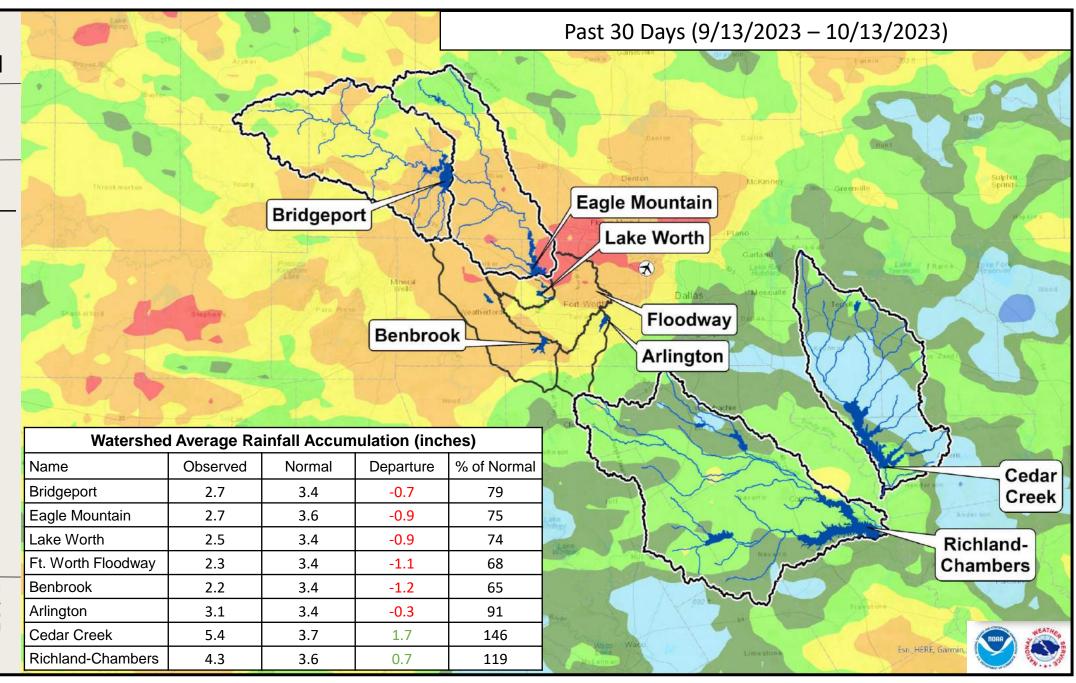
1 200 - 225 %

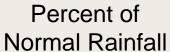
J 200 - 225 %

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.







LEGEND

0 - 50 %

50 - 75 %

75 - 100 %

100 - 125 %

125 - 150 %

150 - 175 %

175 - 200 %

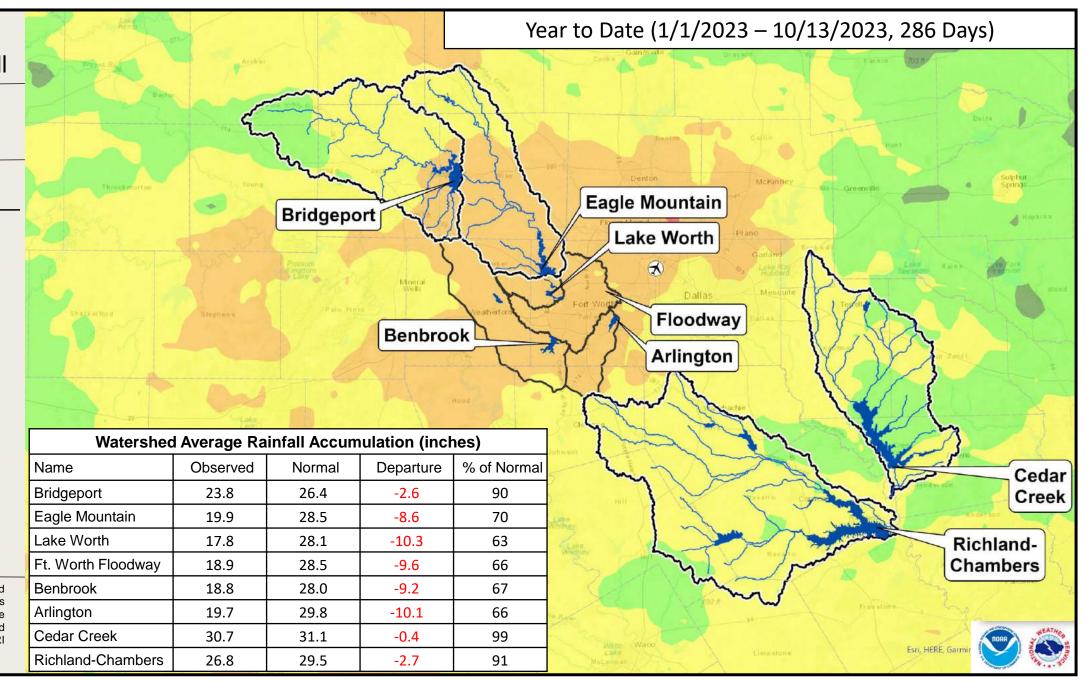
200 - 225 %

<u>.</u> 1

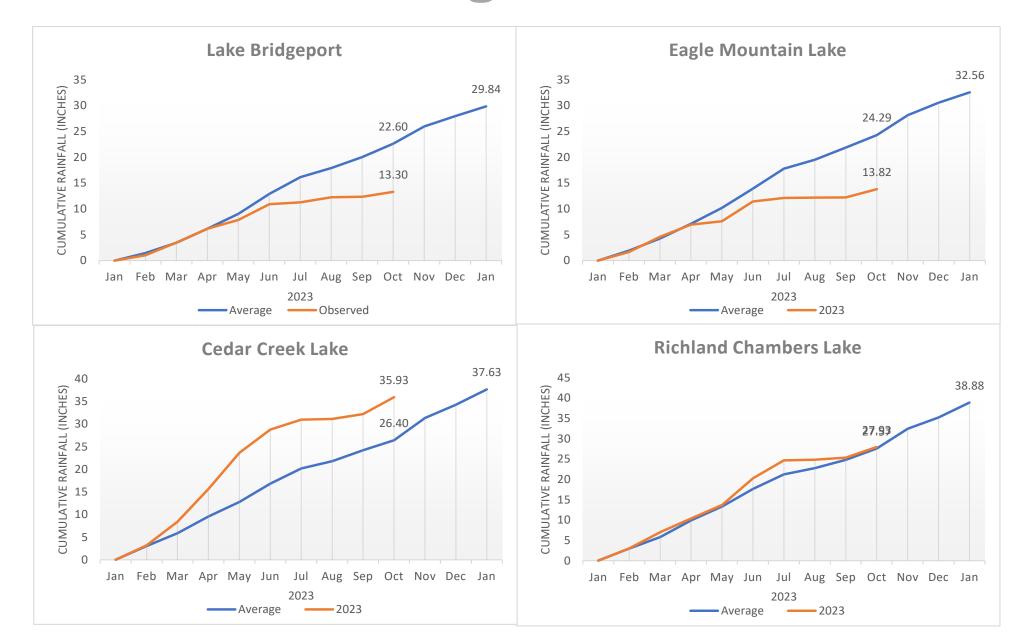
225 - 250 %

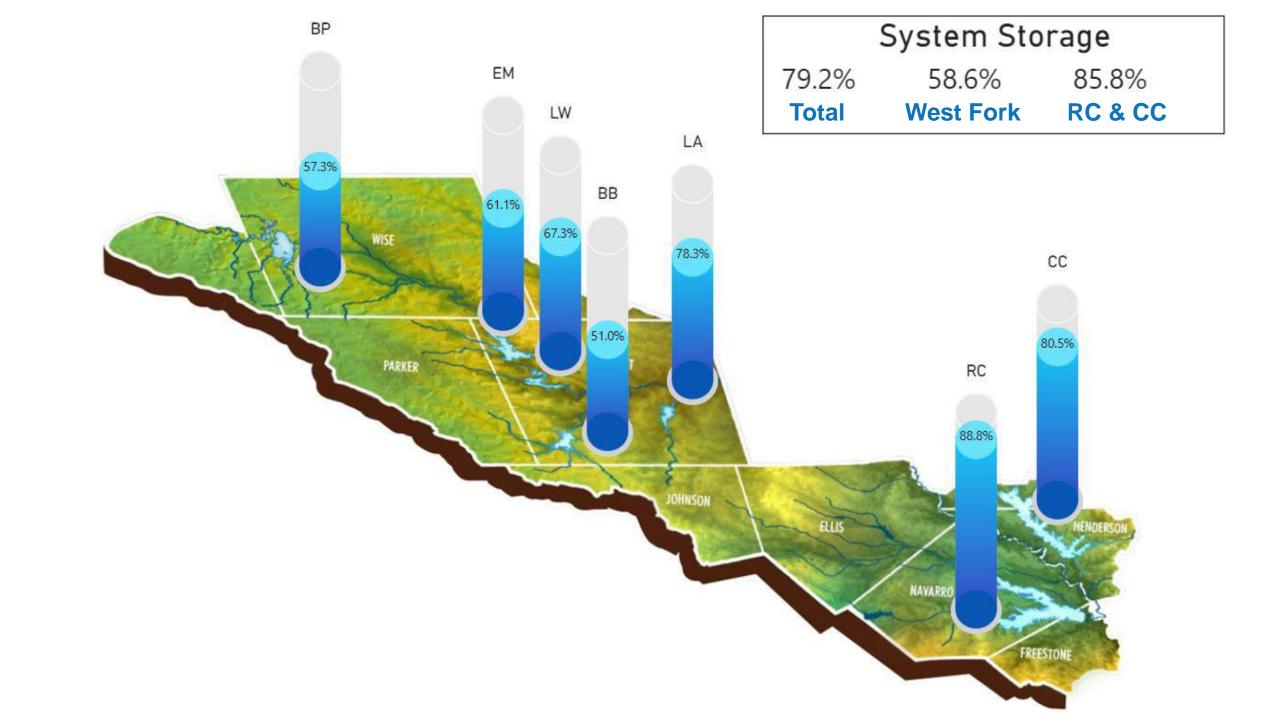
> 250%

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.

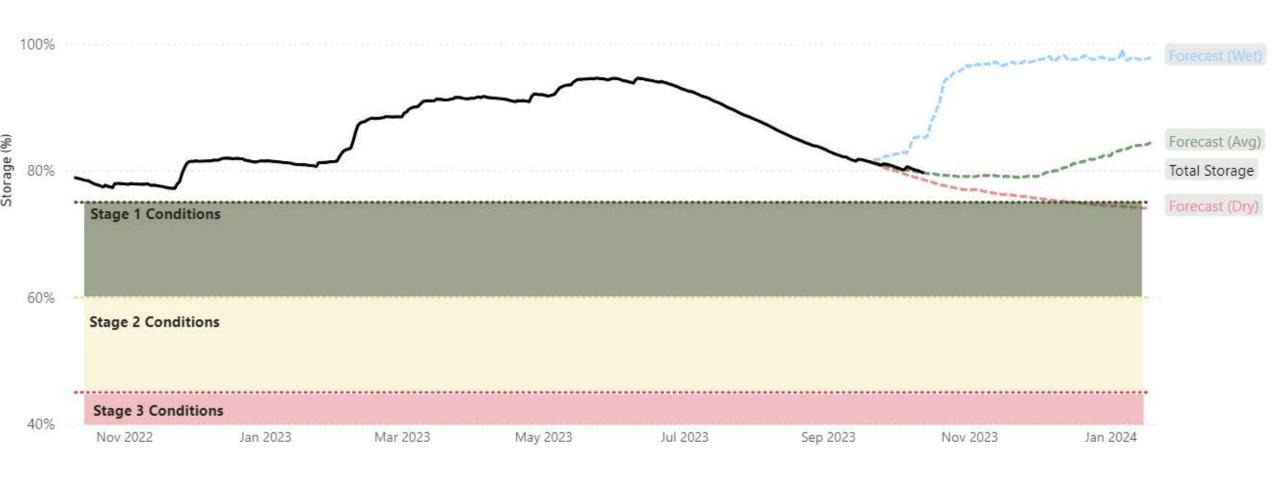


TRWD Lake Rain Gage Totals – Year to Date





Historic and Projected Total Water Supply Storage



Staff Update

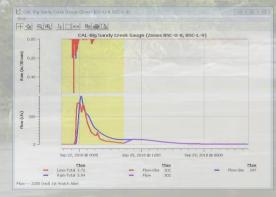
Flood Planning Update

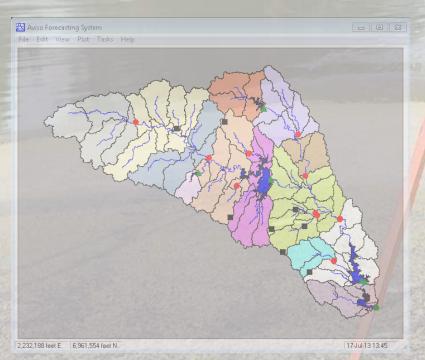
Rachel Ickert, Chief Water Resources Officer



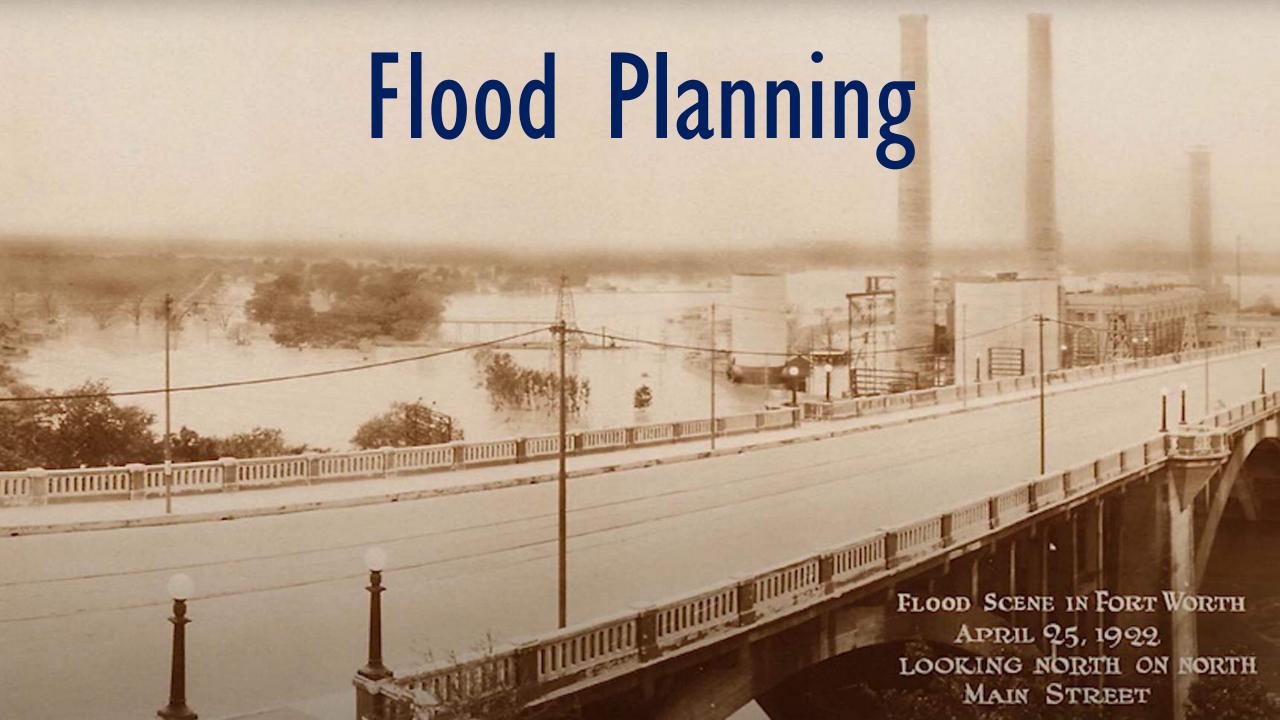


Readiness and Response





ROAD CLOSED TO THRU TRAFFIC





1949 Flood brings U.S. Army Corps of Engineers to Fort Worth, Texas





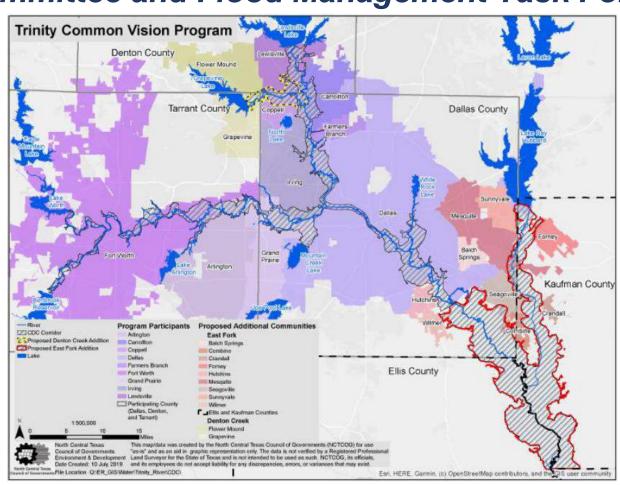


1950's, 60's, and 70's
Fort Worth Floodway
Original Design Flows Established
Levees Designed and Constructed



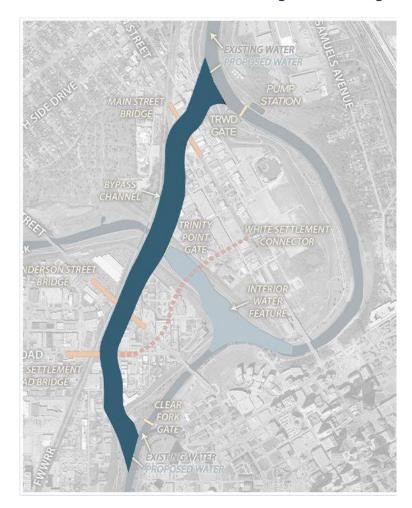


1990 USACE Upper Trinity Reconnaissance Study and Beginning of the Trinity Common Vision Steering Committee and Flood Management Task Force





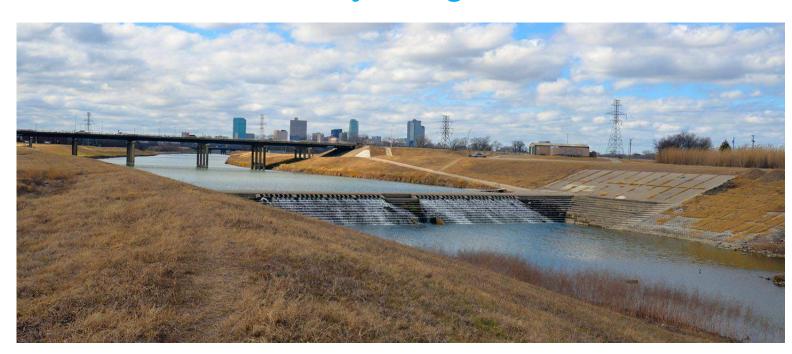
2003 USACE Central City Interim Feasibility Study

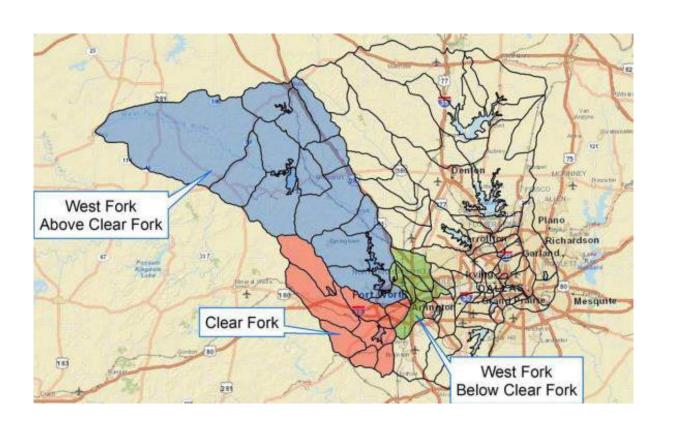




2009 USACE H&H Update Established Central City Design Flows

Increased Flows from Original Floodway Design Flows

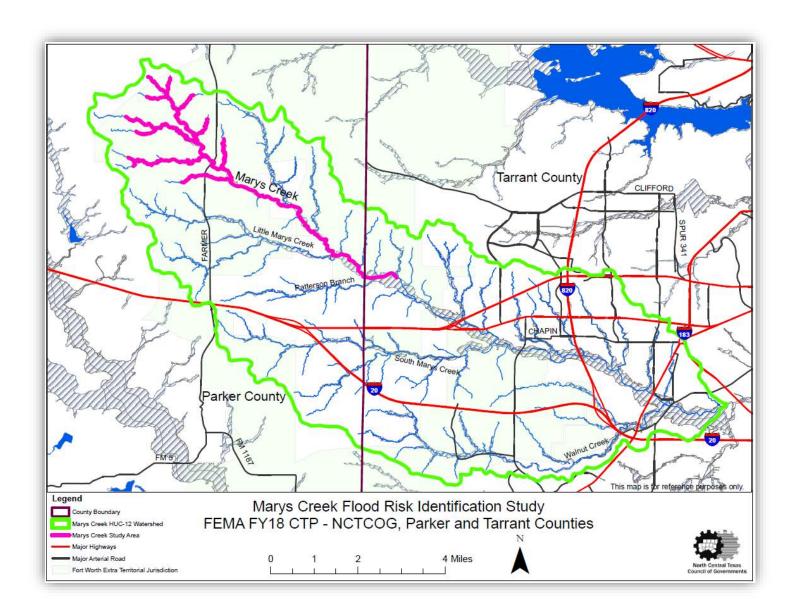




2013 USACE Corridor Development Certificate (CDC) Flow Update

Increased Flows from Central City Design Flows

2015 TRWD Led Floodway Stakeholders Group to Review the Updated Flows

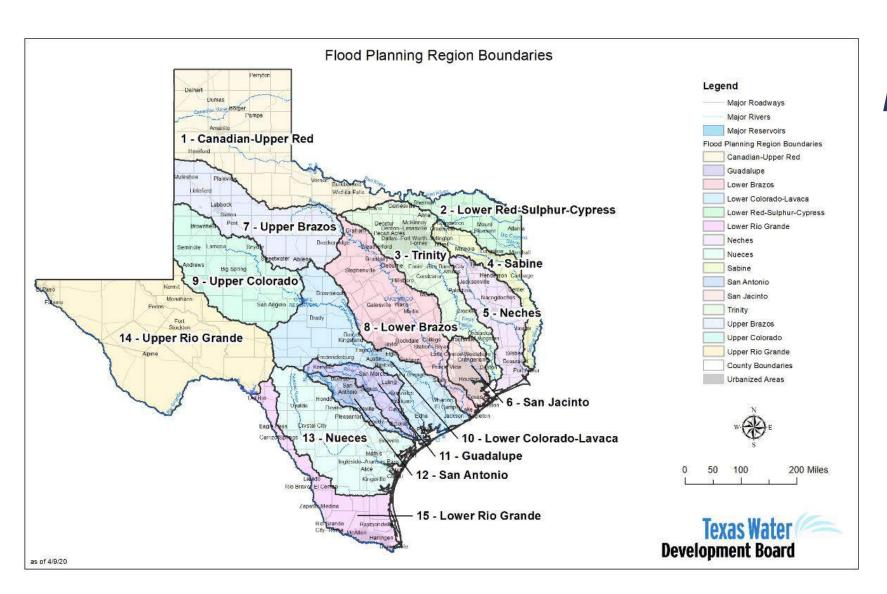




2018-2021 Mary's Creek Flood Risk Identification Project



1940 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 | 2030





2020 TWDB Regional and State Flood Planning Process Begins



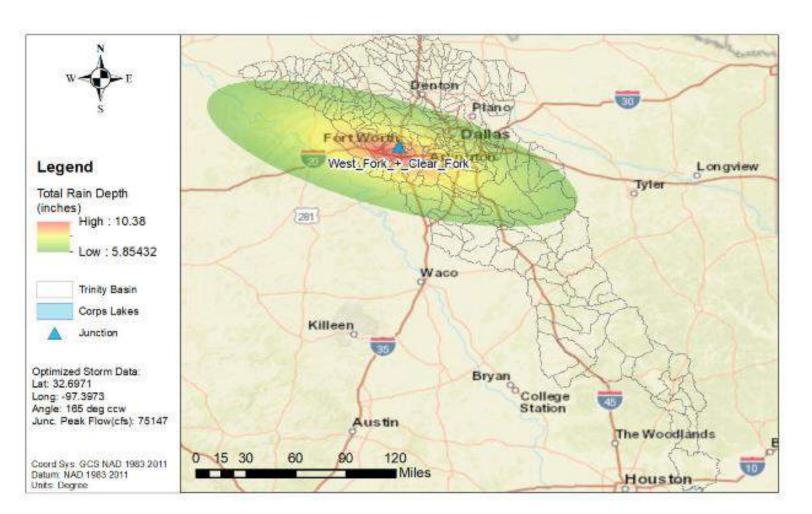
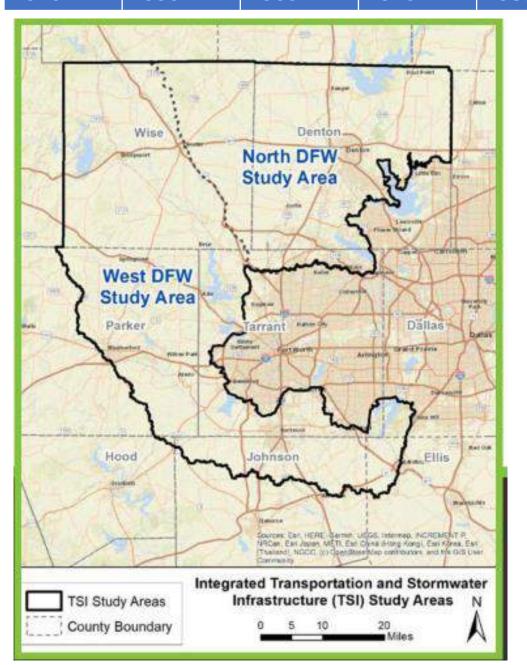


Figure 7.11: 100yr Elliptical Storm for the West Fork Trinity River below the Clear Fork

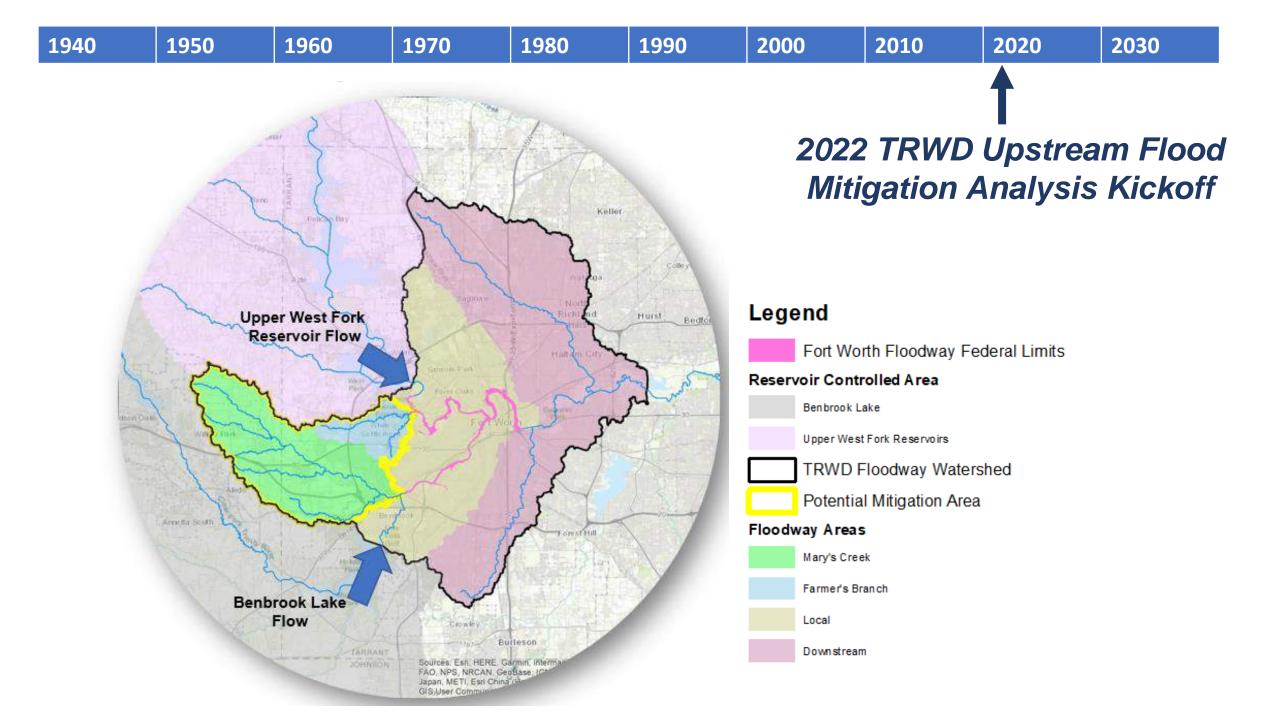
2021 USACE Watershed Hydrology Assessment for the Trinity River Basin

Flow Increase



2022 Transportation and Stormwater Infrastructure Project Kickoff





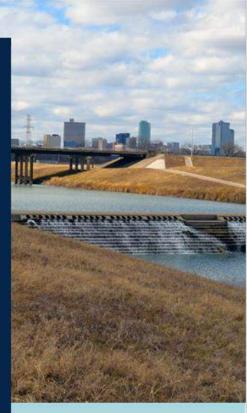


Prepared for the Region 3 Trinity Regional Flood Planning Group

VOLUME I

July 2023

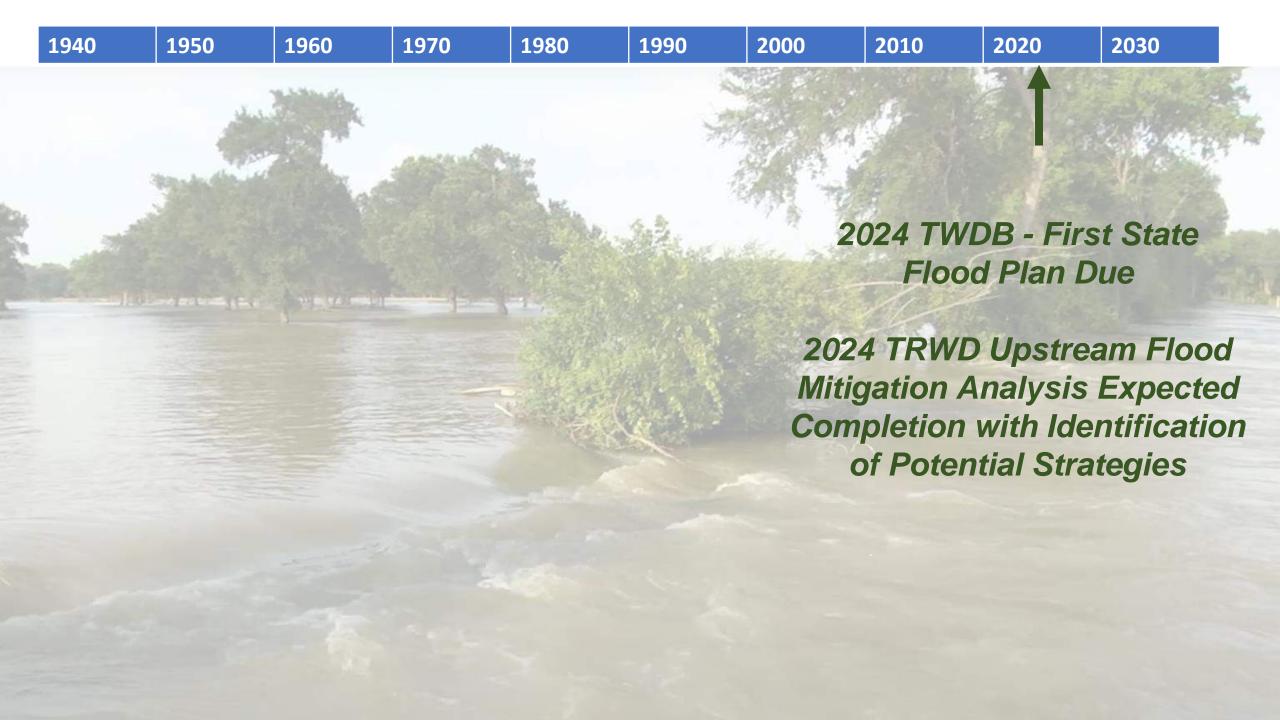
TECHNICAL CONSULTANT TEAM Halff Associates, Inc. (Prime) Freese and Nichols, Inc. Nick Fang, Ph.D., P.E. H2O Partners Cooksey Communications

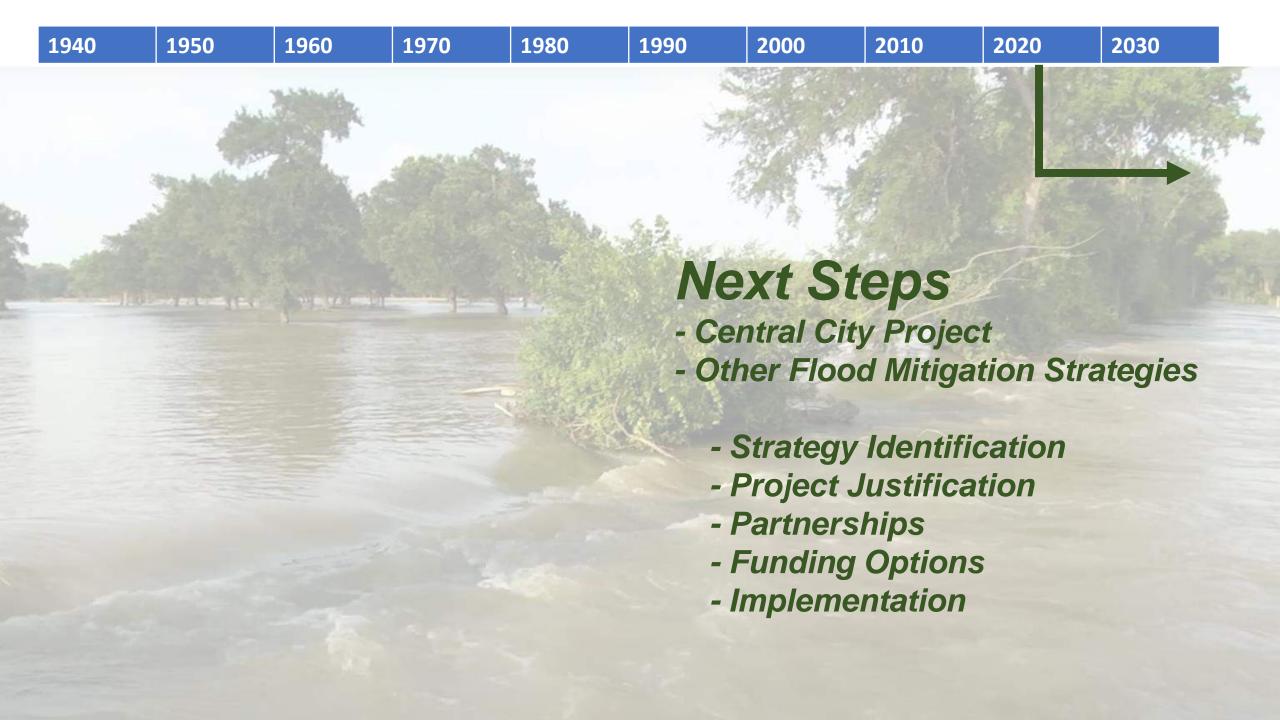




1

2023 TWDB - First Regional Flood Plans Completed





Staff Update

Recognition of Service

Darrell Beason, Chief Operations Officer





Executive Session







Future Agenda Items







Next Scheduled Board Meeting November 14, 2023 at 9:00 AM





Adjourn



