

BOARD OF DIRECTORS MEETING

November 16, 2021



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.



FLAG

PLEDGE OF ALLEGIANCE TO THE TEXAS

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 Meetings Held on October 14, 2021, and October 19, 2021





4

Consider Approval of Contract with Twin City Security, Inc. for Security Services at LaGrave Field

Darrell Beason, *Chief Operations Officer*

LaGrave Field Security



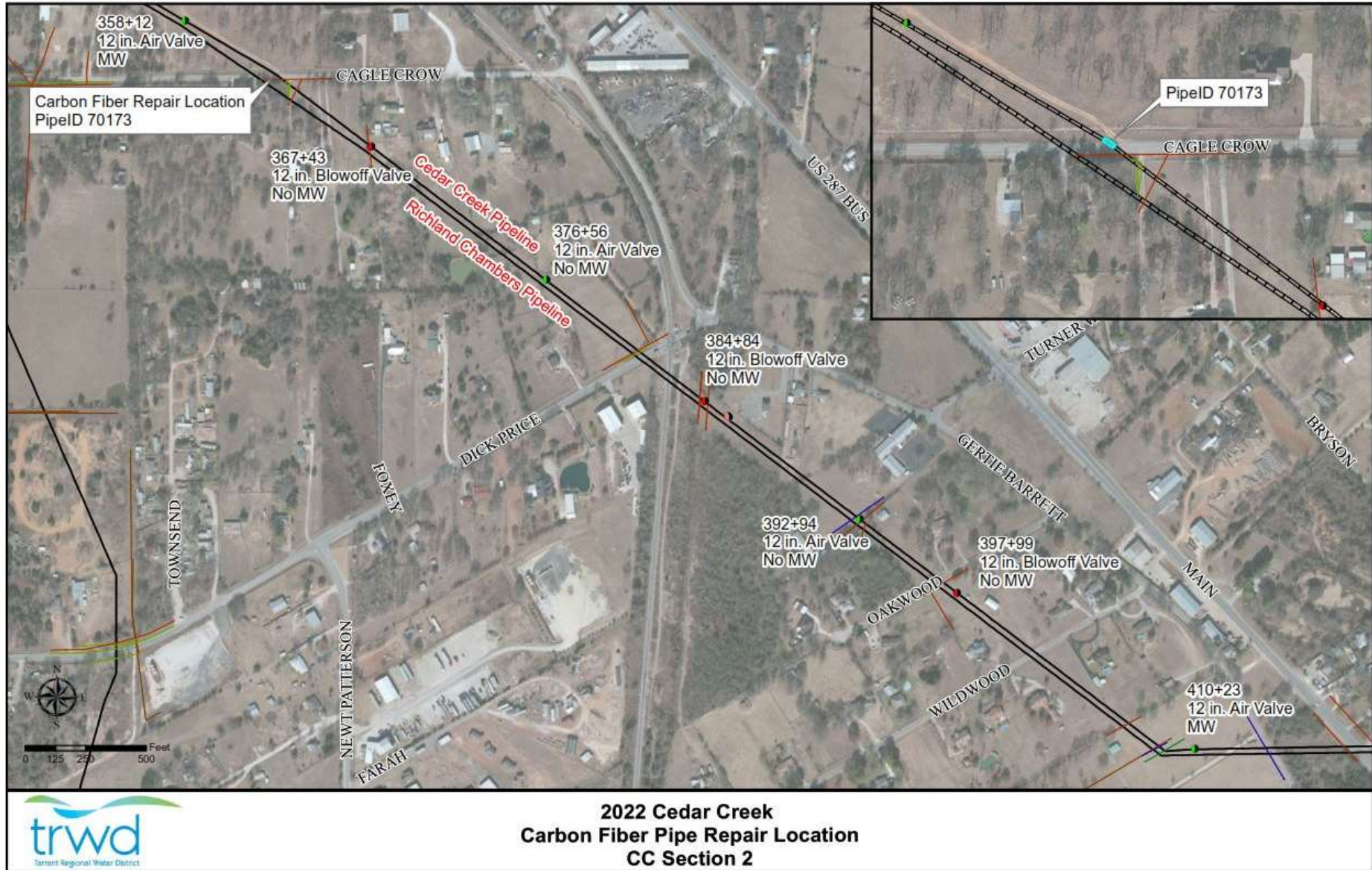
LaGrave Field Security



5

Consider Approval of Contract with Insituform Technologies, LLC/Fibrwrap Construction Services, Inc. for Repair of One Segment of 72" Cedar Creek Pipe

Darrell Beason, *Chief Operations Officer*



Carbon Fiber Installation Example



6

Consider Approval of Contract with Robinson Taylor Industries LLC for Maintenance and Technical Services for HVAC Equipment

Darrell Beason, *Chief Operations Officer*



WATER SUPPLY · FLOOD PROTECTION · RECREATION

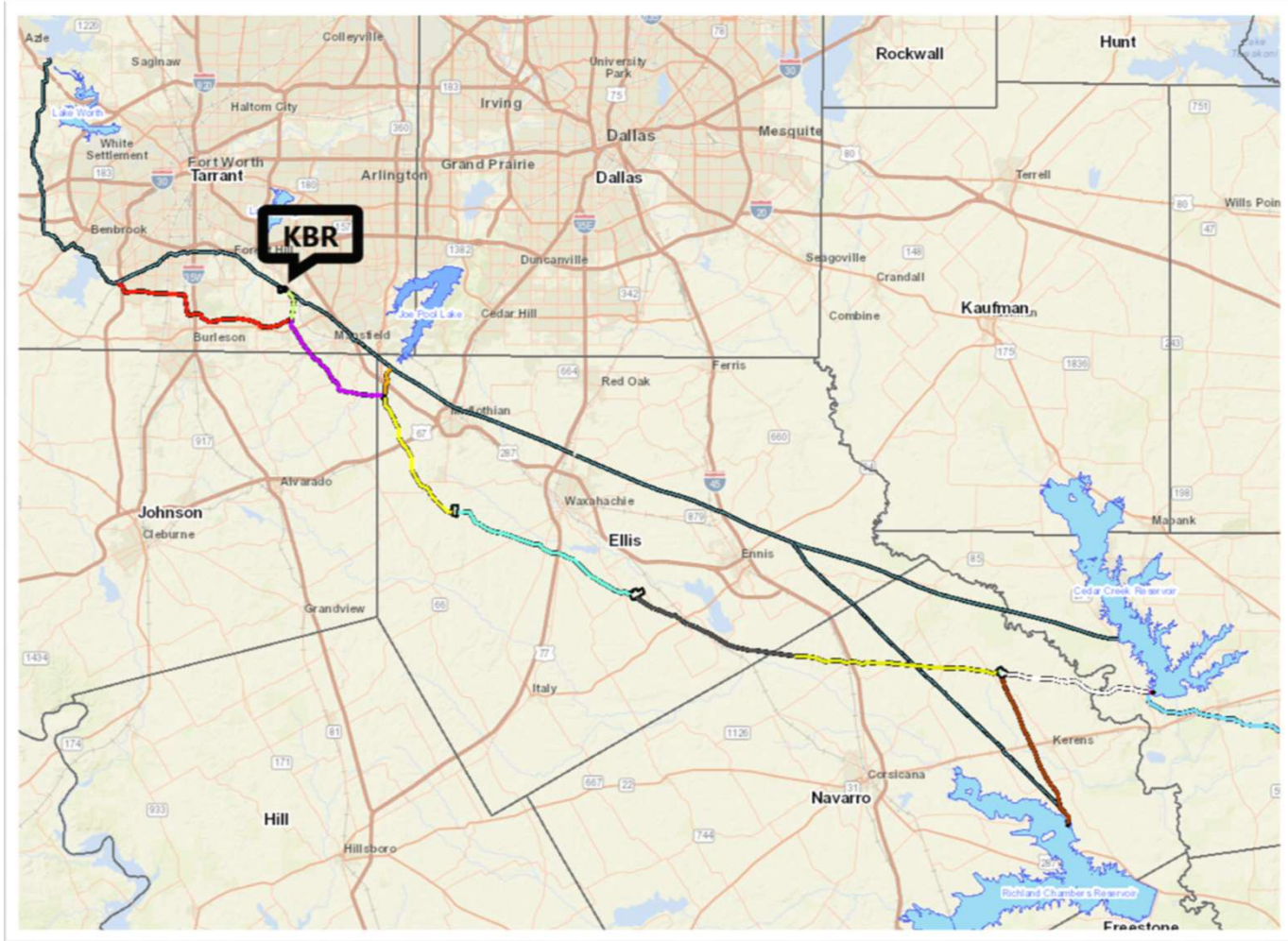




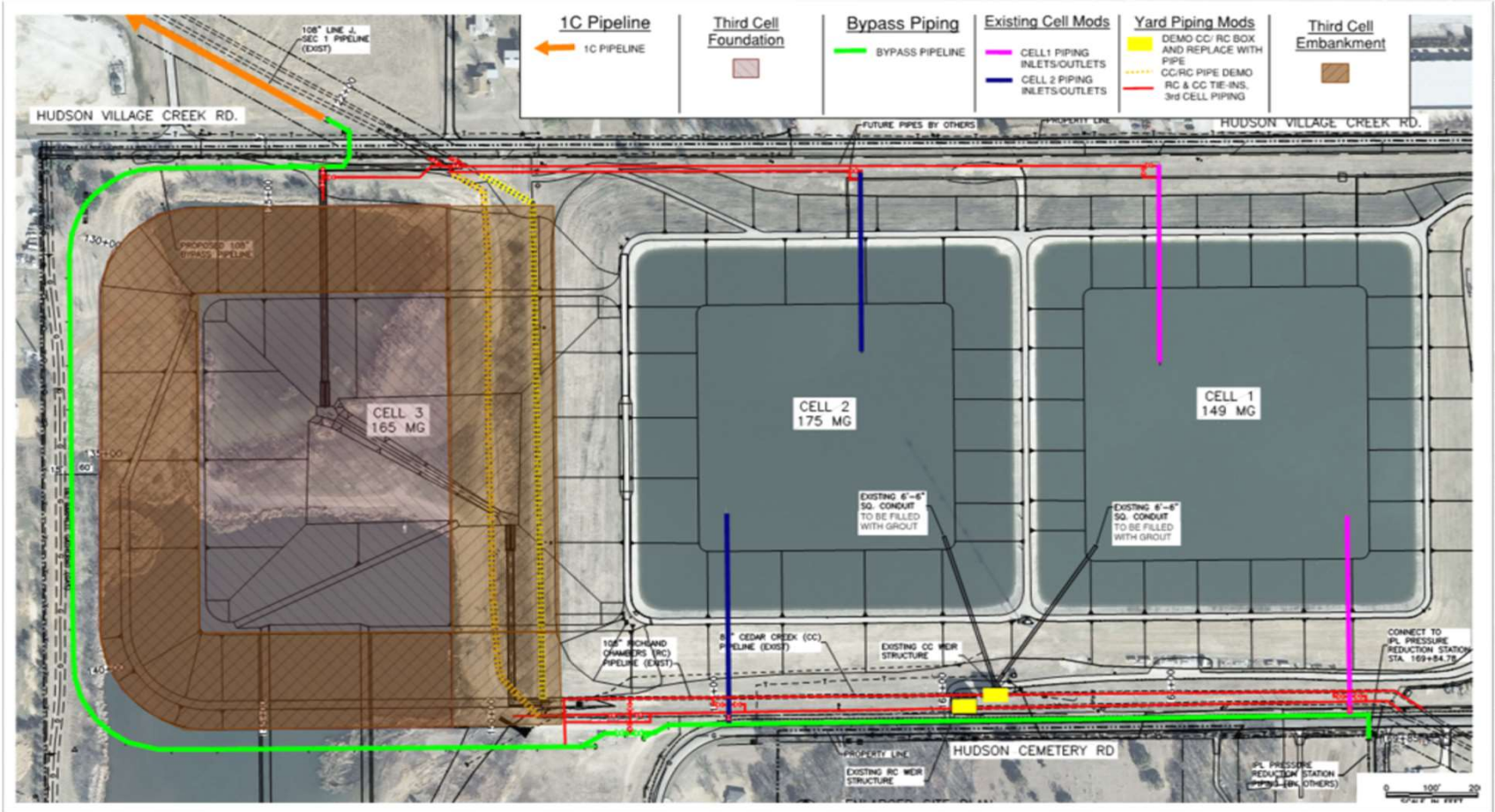
7

Consider Approval of Contract with Bar Constructors, Inc. for Construction of Kennedale Balancing Reservoir Yard Piping and Inlet and Outlet Modifications Construction

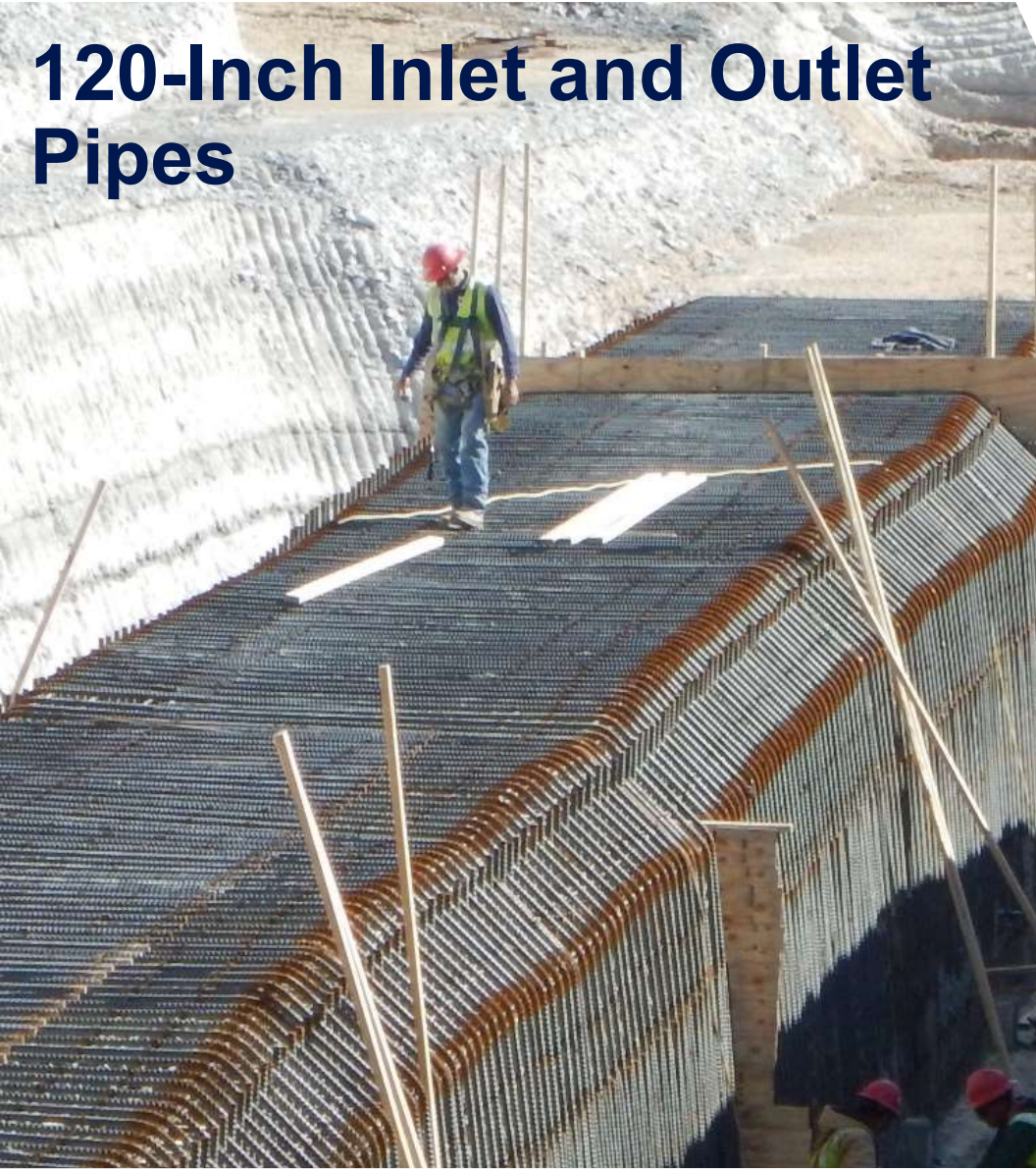
Jason Gehrig, *Infrastructure Engineering Director*



KBR Yard Piping and Inlet and Outlet Modifications Construction Services



120-Inch Inlet and Outlet Pipes



Large diameter Fittings and Tees



Large diameter Fittings and Tees





Large diameter Pipe & Valves



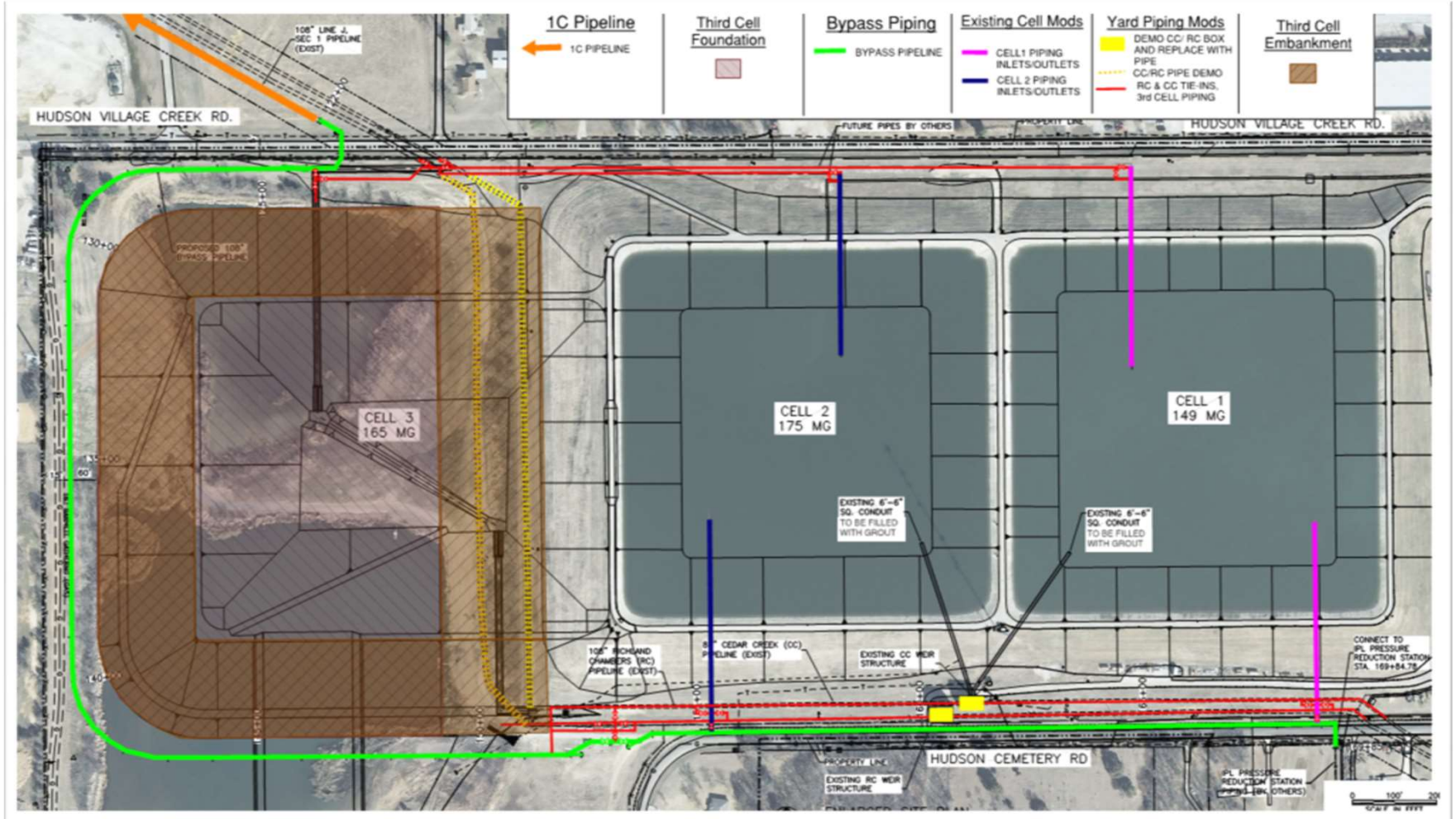
KBR Expansion Construction Costs & Schedule

	Construction Costs/OPCC	Bid/Construction Dates
Line 1C (12,174 LF 108" Dia Steel Pipe)	\$16,646,660	Complete
3rd Cell Foundation (650,000 Cubic Yards of Fill)	\$ 9,777,000	Complete
KBR Bypass Piping (3,200 LF of 108" Dia. Steel Pipe & 1,600 LF of 84" Dia. Steel Pipe)	\$10,088,444	Complete
Yard Piping and Existing Cells 1&2 Inlet/Outlet Piping [8,650 LF of 54" - 120" Dia. Steel Pipe, (27) 48"-108" large Dia. Valves, 120" Inlets/Outlets, & Removal of Two Large Concrete Splitter Boxes]	\$40,505,600	Oct 2021 - Jul 2024
165 MG 3rd Cell Embankment (Future)	\$47,000,000	FY 2025 – FY 2027
TOTAL	\$124,017,704	

8

Consider Approval of Contract Amendment with Freese and Nichols, Inc. for On-Site Construction Representation Services for the Kennedale Balancing Reservoir Yard Piping and Inlet and Outlet Modifications Construction

Jason Gehrig, *Infrastructure Engineering Director*

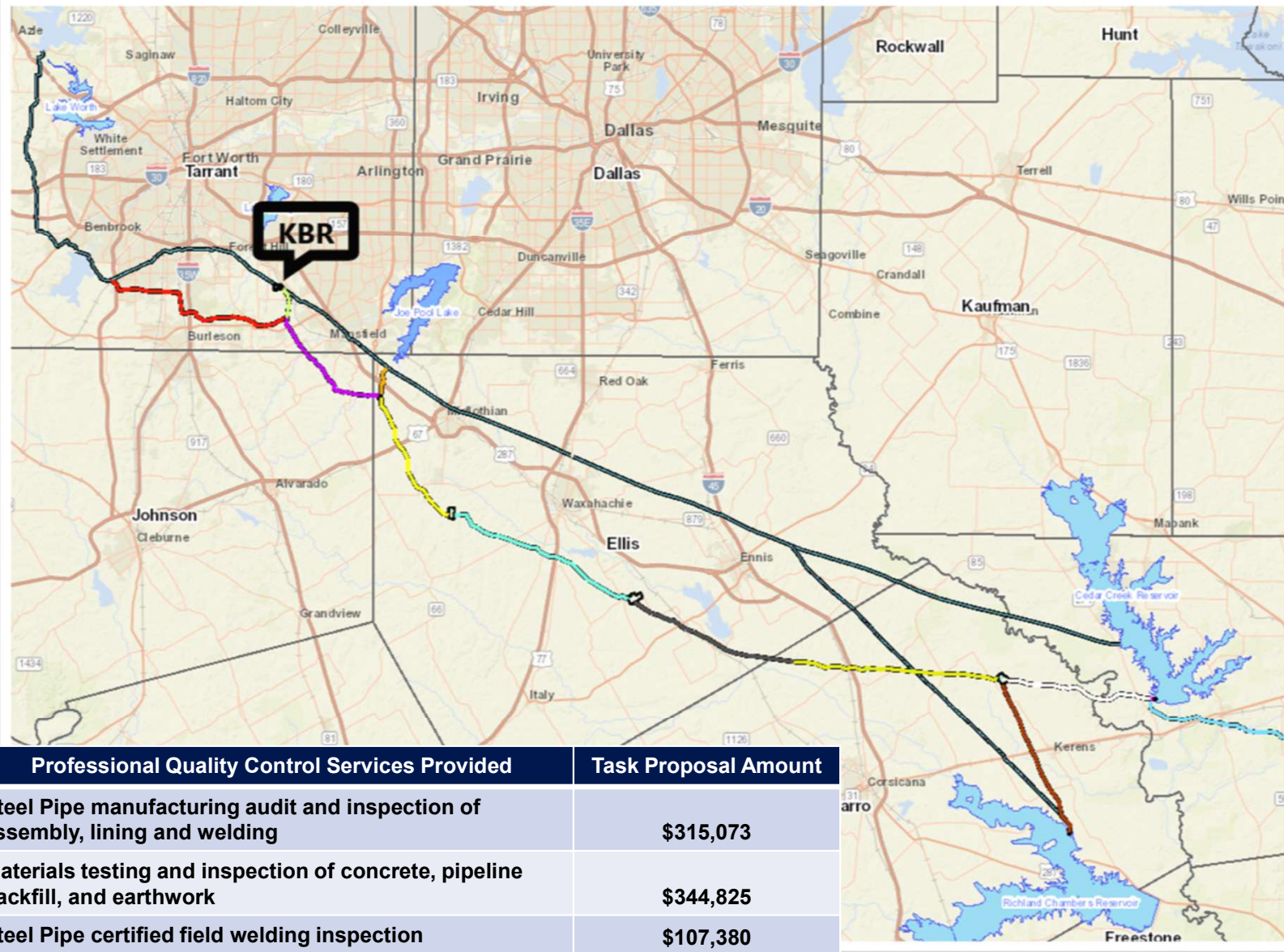


9

Consider Approval of Task Orders for Construction Materials and Inspection Testing Services with Accurate Inspections, Inc., Kleinfelder, Inc., and Steel Inspectors of Texas for the Kennedale Balancing Reservoir Yard Piping and Inlet and Outlet Modifications Construction

Jason Gehrig, *Infrastructure Engineering Director*

Construction Materials Inspection and Testing (CMIT)



Construction Testing	Professional Quality Control Services Provided	Task Proposal Amount
Accurate Inspections, Inc.	Steel Pipe manufacturing audit and inspection of assembly, lining and welding	\$315,073
Kleinfelder, Inc.	Materials testing and inspection of concrete, pipeline backfill, and earthwork	\$344,825
Steel Inspectors of Texas	Steel Pipe certified field welding inspection	\$107,380



Accurate Inspections, Inc. \$315,073

- Audit and inspection of:
- Fabricated pipe, fittings, and internal lining
- Crotch plate fittings at hold points
- Fabrication fit-up assembly and welding
- Wire mesh attachment for cement mortar lining



Kleinfelder, Inc.

\$344,825

Materials Testing of:

- Earthwork/Embankment-
Soil classification,
Moisture/Density,
compaction
- Concrete/Encasement-
Compressive Strength,
slump



Steel Inspectors of Texas

\$107,380



Inspect Steel pipe joints/connections:

- Certified mag particle inspector (Level II)
- Verify qualification records and procedures
- Perform visual observation of connections including root pass



Social Responsibility Update

Dan Buhman, *General Manager*

Summary of Programs: Conservation Impact

Linda Christie, *Government Affairs Director*

Regional Conservation



Regional Conservation


**WEEKLY
 WATERING
 ADVICE**
 WATERISAWESOME.COM



Regional Conservation



15th Annual

North Texas Regional Water Conservation Symposium

VIRTUAL
NOVEMBER 17 & 18
10 AM - 12 PM



TRWD Conservation

- 2021 Sprinkler Evaluations = 1,582
- 2020 Conservation Savings = 19.5 billion gallons or 16.5%



DIY Outdoor Faucet Drip System
Save Tarrant Water - Tarrant Regional Water District



Expanding Youth Education Programs

Reach:

- 21k+ students
- 1,300+ teachers
- 1,400+ families



Developing Innovative Youth Programs



- “Clues in the Creek” Video
- Earth Week Virtual Scavenger Hunt
- New Programs



Creating Youth Education Partnerships

- 14 customer cities
- 12 recreation and nature centers
- 12 schools
- 5 community organizations

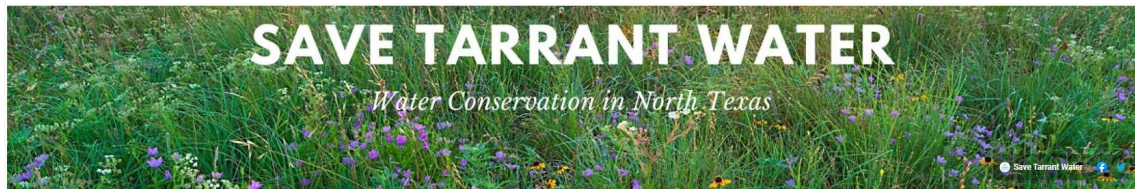
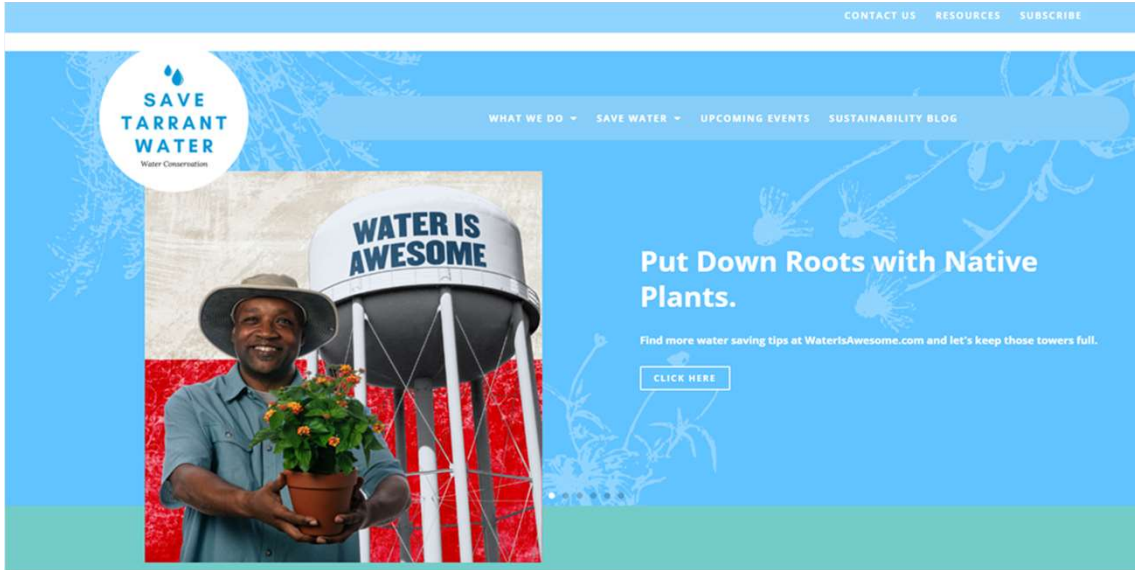




Learn and Grow: Adult Education and Outreach

- 8,000+ reach
- 130+ classes and events





Save Tarrant Water
584 subscribers

CUSTOMIZE CHANNEL MANAGE VIDEOS

HOME VIDEOS PLAYLISTS COMMUNITY CHANNELS ABOUT Q

Uploads PLAY ALL SORT BY

<p>Texas Beekeeping 89 views · 4 weeks ago</p>	<p>Gardening for Birds, Butterflies, and Bees in North Texas 194 views · 2 months ago</p>	<p>Shade Gardening in North Texas 232 views · 2 months ago</p>	<p>Organic Gardening in North Texas 129 views · 3 months ago</p>	<p>DIY Sprinkler Repair for 2021 95 views · 3 months ago</p>	<p>Native Plants for North Texas Yards 377 views · 4 months ago</p>
<p>Texas Tree ID 344 views · 4 months ago</p>	<p>Gardening with Native Plants in North Texas</p>	<p>Herb Gardening in North Texas</p>	<p>Edible Landscaping for North Texas</p>	<p>Sustainable Living in North Texas</p>	<p>Irrigation 101 155 views · 6 months ago</p>



Water Conservation
Updates & Info from Tarrant Regional Water District

November 1, 2021 | Issue #17

UPCOMING EVENTS

Gardening to Attract Birds
November 2, 6 pm

Trees for North Texas
November 4, 6 pm

Native and Adapted Plants for North Texas
November 6, 12:15 pm





Customer City Support





2021 TRWD Conservation Recognition

- Blue Legacy Award
- Watermark Honorable Mention Award
- Gold Viddy Awards
- WaterSense Honorable Mention Award
- Rain Catcher Award

Public Affairs Update

Chad Lorance, *Public Affairs Officer*



TRWD's Fish-the-Fort is an urban fishing initiative to restore the natural environments and the ecological communities that inhabit the Trinity River. The initiative includes enhancing recreational fishing opportunities, re-establishing native species and educating the community on stewardship, environmental quality and environmental conservation to





TRWD receives finding of “no adverse determination” from IRS related to \$61.9 in bonds for water projects

[READ ARTICLE](#)

TRWD receives finding of “no adverse determination” from IRS related to \$61.9 in bonds for water projects

TRWD Partners with Cristo Rey Fort Worth College Prep Work Study Program

TRWD Trash Bash 2021: A Celebration of the Trinity River

TRWD Receives Recognition for Transparency Efforts from Texas Comptroller



WATER SUPPLY · FLOOD PROTECTION · RECREATION



ANNUAL trwd REPORT





TRWD - Tarrant Regional Water District

Water Supply - Flood Protection - Recreation

Posts About Mentions Reviews Followers More

Following Learn More

Switch into TRWD - Tarrant Regional Water District's Page to start managing it.

Switch Now

Intro

- 16K Followers
- Page · Government Organization
- TARRANT REGIONAL WATER DISTRICT is responsible for this Page
- 800 E Northside Dr, Fort Worth, TX, United States, Texas
- (817) 335-2491
- info@trwd.com
- trwd.com
- Open Now
- Rating - 3.5 (108 Reviews)

Posts

Filters

Pinned Post

TRWD - Tarrant Regional Water District
September 27

A huge thank you to the 4,000 volunteers who took the time to participate in the 30th Annual TRWD Trash Bash on September 18 and 19. All your hard work netted 9 tons of trash across our water resources. Thanks for showing our river and lakes some love!



Facebook and Instagram

Audience

Current audien...

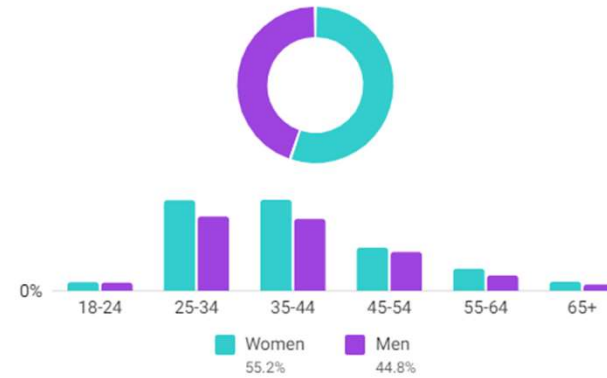
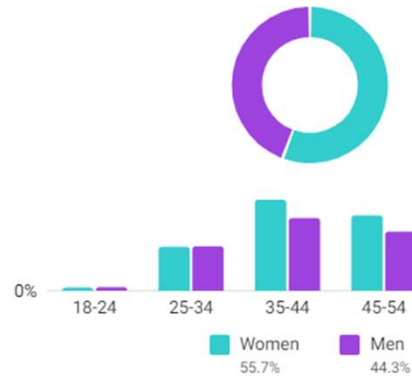
Potential audience

Facebook Page
followers
16.1K

Instagram
Followers
6.1K

Age &
Gender

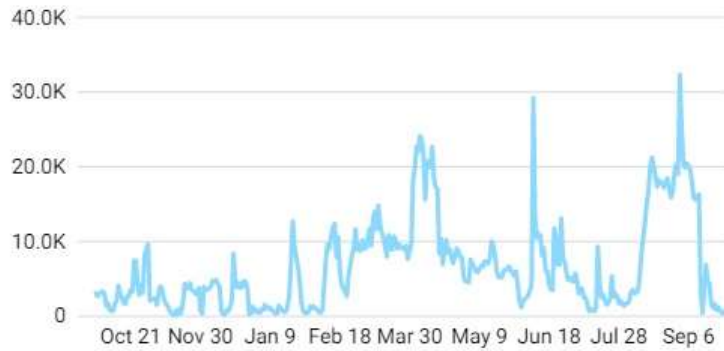
Age &
Gender



Facebook and Instagram

Reach

Facebook Page ⓘ
Reach
1,091,451



Instagram ⓘ
Reach
316,999





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- trwdtv
- AwakenWithJP
- Metronix Musics
- Cody Jinks
- Brad Rogers
- Hudl Training
- CryptoCake
- Show 6 more

MORE FROM YOUTUBE

trwdtv

trwdtv

 362 subscribers

SUBSCRIBED

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Painting the River: A Trinity Trails Mural Art Gallery

 426 views · 11 months ago

trwdtv

A mural art gallery is blossoming on the Trinity Trails in Fort Worth. Dozens of artists are turning the drab look of grey, concrete floodgates into works of art. The new artwork is based on...

Uploads ▶ PLAY ALL

<p>TRWD Trash Bash: A Celebration of the Trinity...</p> <p>66 views · 1 month ago</p> <p>CC</p>	<p>Tales from the TRWD Trash Bash</p> <p>21 views · 1 month ago</p> <p>CC</p>	<p>Painting the River - Mike Tabor</p> <p>18 views · 2 months ago</p>	<p>An Invaluable Partnership Makes Us Better</p> <p>51 views · 3 months ago</p> <p>CC</p>	<p>Water Supply + Flood Protection + Recreation +...</p> <p>183 views · 4 months ago</p> <p>CC</p>	<p>Rainfall Travel Time in the West Fork of the Trinity River</p> <p>99 views · 4 months ago</p> <p>CC</p>
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Popular uploads ▶ PLAY ALL



Search



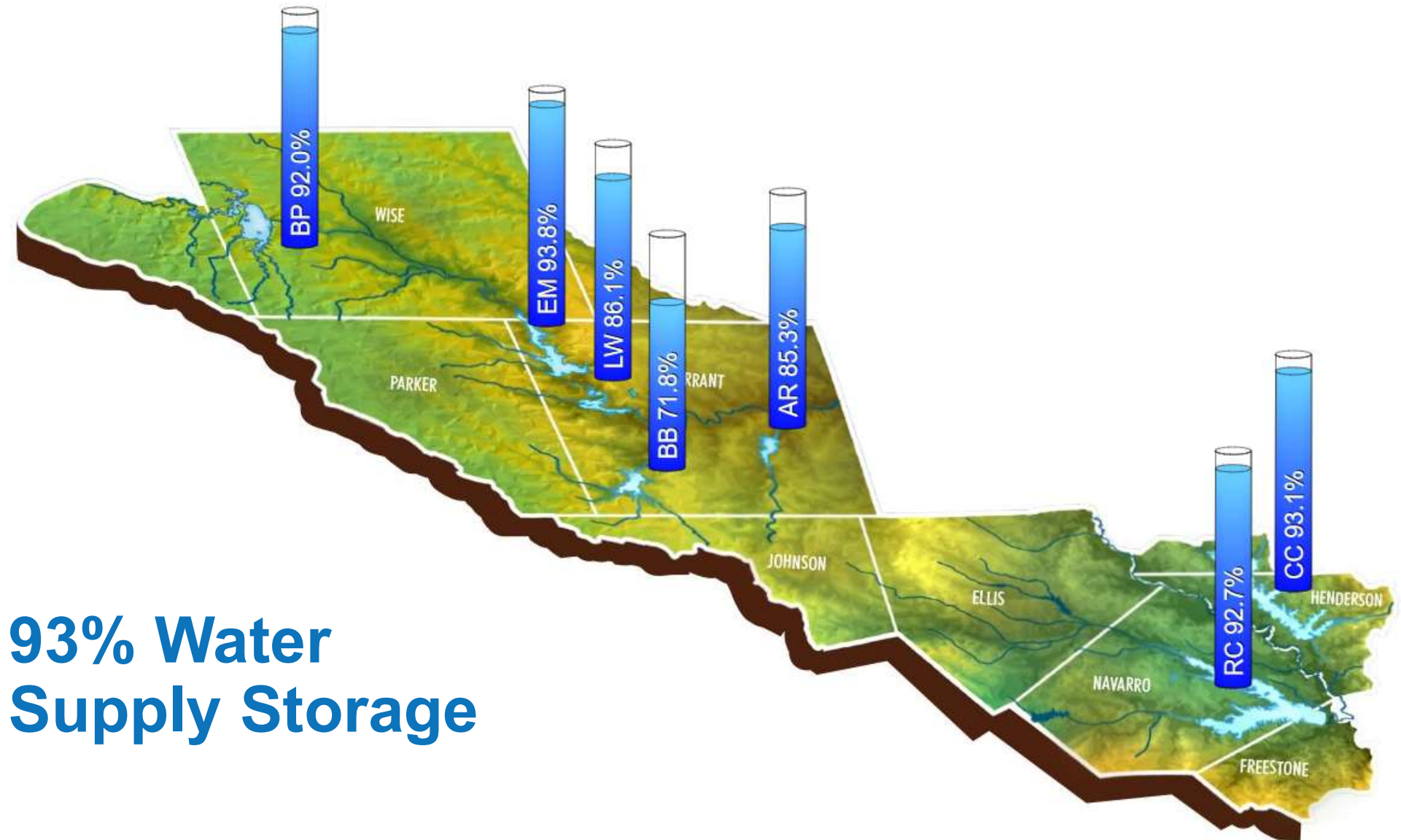
New Online Tool Puts TRWD Watersheds at Your Fingertips

97 views · May 11, 2021

👍 2 💬 0 ➦ SHARE ⚙️ SAVE ...

Water Resources Update

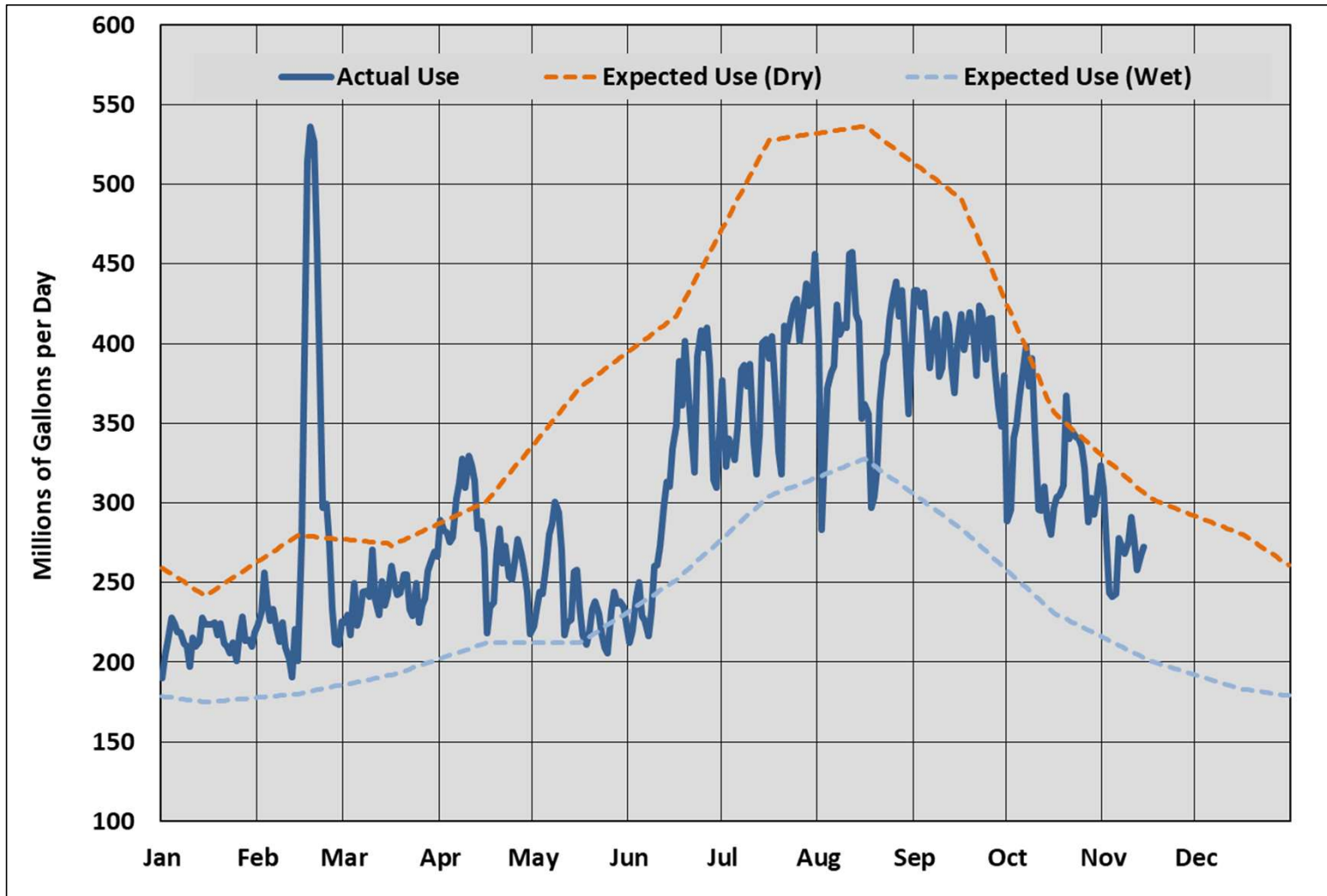
Rachel Ickert, *Chief Water Resources Officer*



**93% Water
Supply Storage**



2021 Demands - Four Primary Customers



Percent of Normal Rainfall

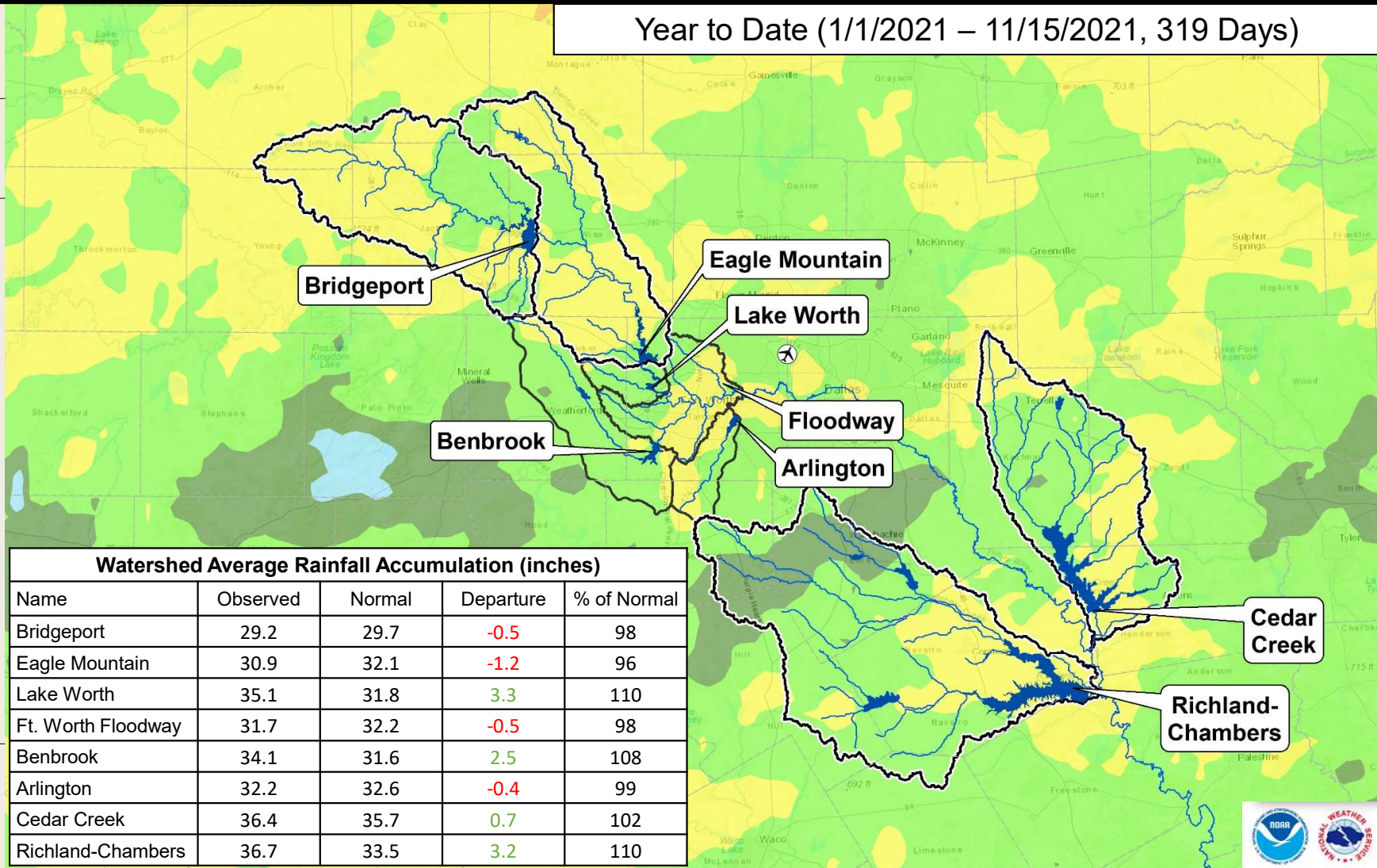


LEGEND

- 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 (1/1/2021 – 11/15/2021, 319 Days)



Watershed Average Rainfall Accumulation (inches)

Name	Observed	Normal	Departure	% of Normal
Bridgeport	29.2	29.7	-0.5	98
Eagle Mountain	30.9	32.1	-1.2	96
Lake Worth	35.1	31.8	3.3	110
Ft. Worth Floodway	31.7	32.2	-0.5	98
Benbrook	34.1	31.6	2.5	108
Arlington	32.2	32.6	-0.4	99
Cedar Creek	36.4	35.7	0.7	102
Richland-Chambers	36.7	33.5	3.2	110



Percent of Normal Rainfall

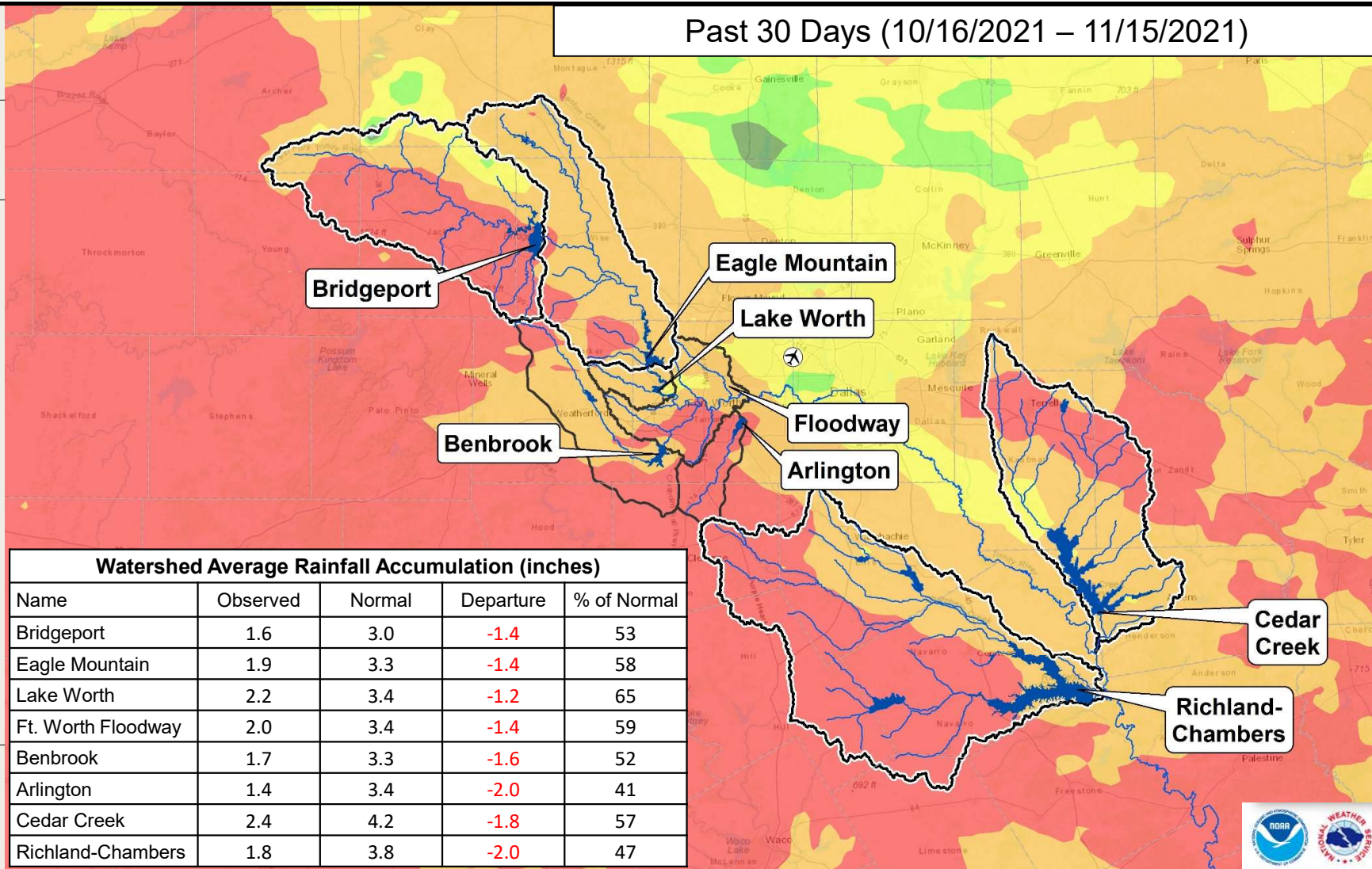


LEGEND

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

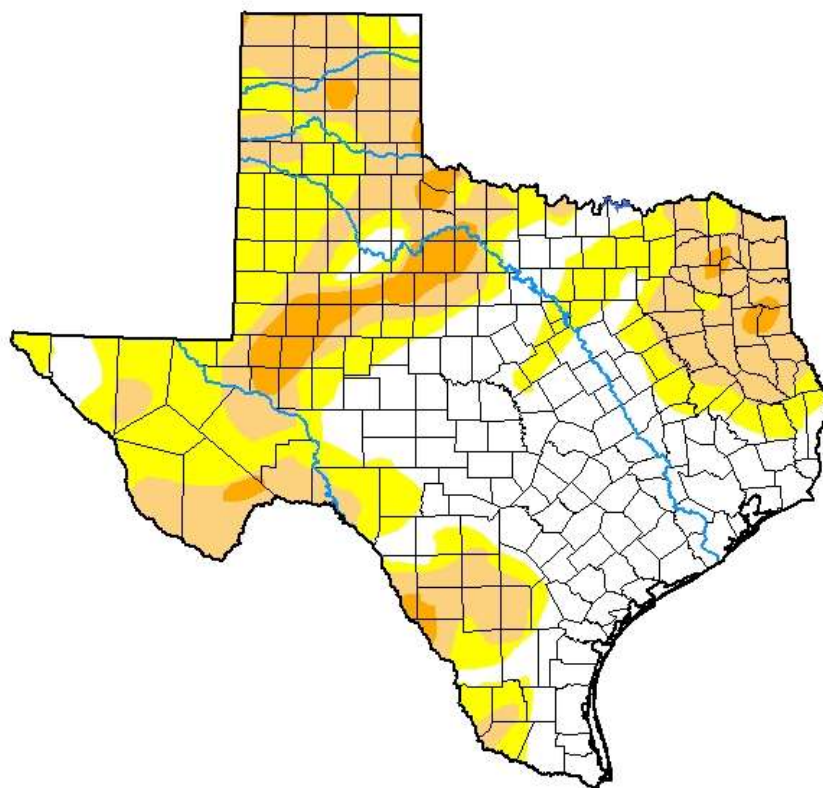
Precipitation totals are obtained from NOAA's NWS. The totals displayed are estimated by the WGRFC. The data is processed and displayed using ESRI ArcGIS.

Past 30 Days (10/16/2021 – 11/15/2021)



U.S. Drought Monitor Texas

November 9, 2021
(Released Thursday, Nov. 11, 2021)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	38.58	61.42	32.22	5.62	0.00	0.00
Last Week <i>11-02-2021</i>	38.20	61.80	32.90	6.44	0.00	0.00
3 Months Ago <i>08-10-2021</i>	92.04	7.96	1.35	0.00	0.00	0.00
Start of Calendar Year <i>12-29-2020</i>	8.80	91.20	81.11	50.33	30.09	13.03
Start of Water Year <i>09-28-2021</i>	45.57	54.43	7.26	0.27	0.00	0.00
One Year Ago <i>11-10-2020</i>	15.71	84.29	56.86	30.67	19.33	8.61

Intensity:



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>

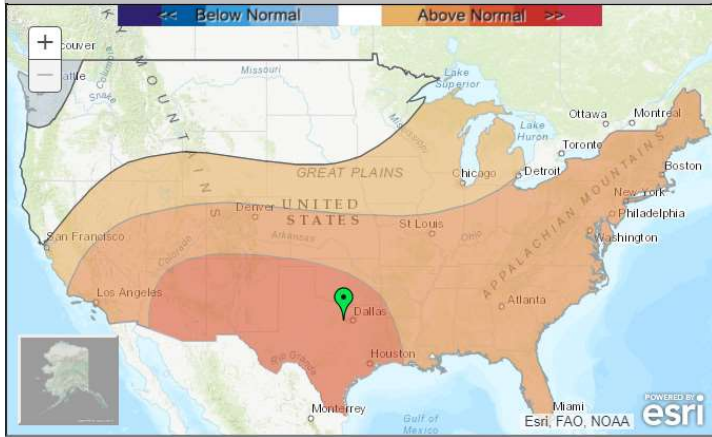
Author:

Curtis Riganti
National Drought Mitigation Center

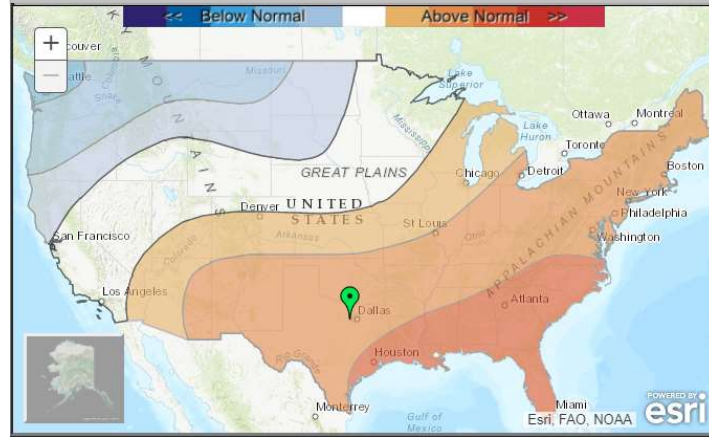


droughtmonitor.unl.edu

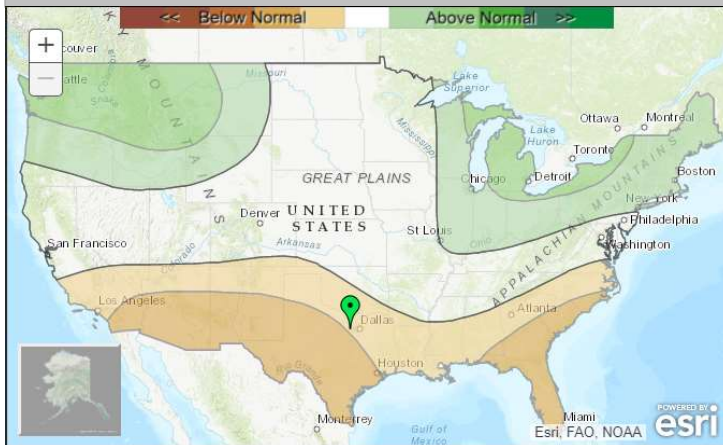
Fall/Winter Temperature Outlook (November 2021 – January 2022)



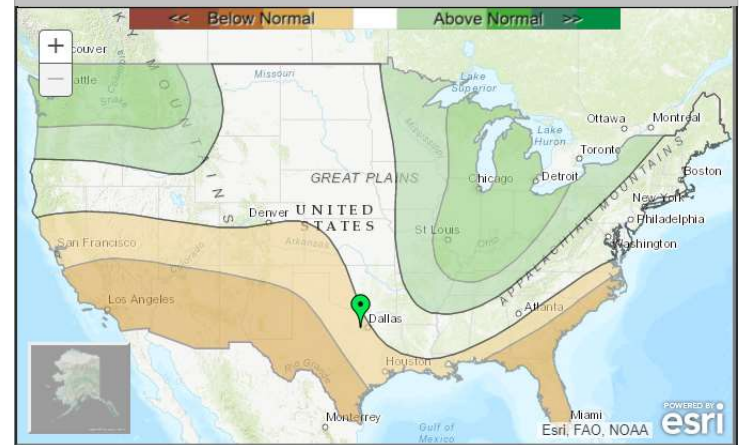
Winter/Spring Temperature Outlook (January 2022 – March 2022)



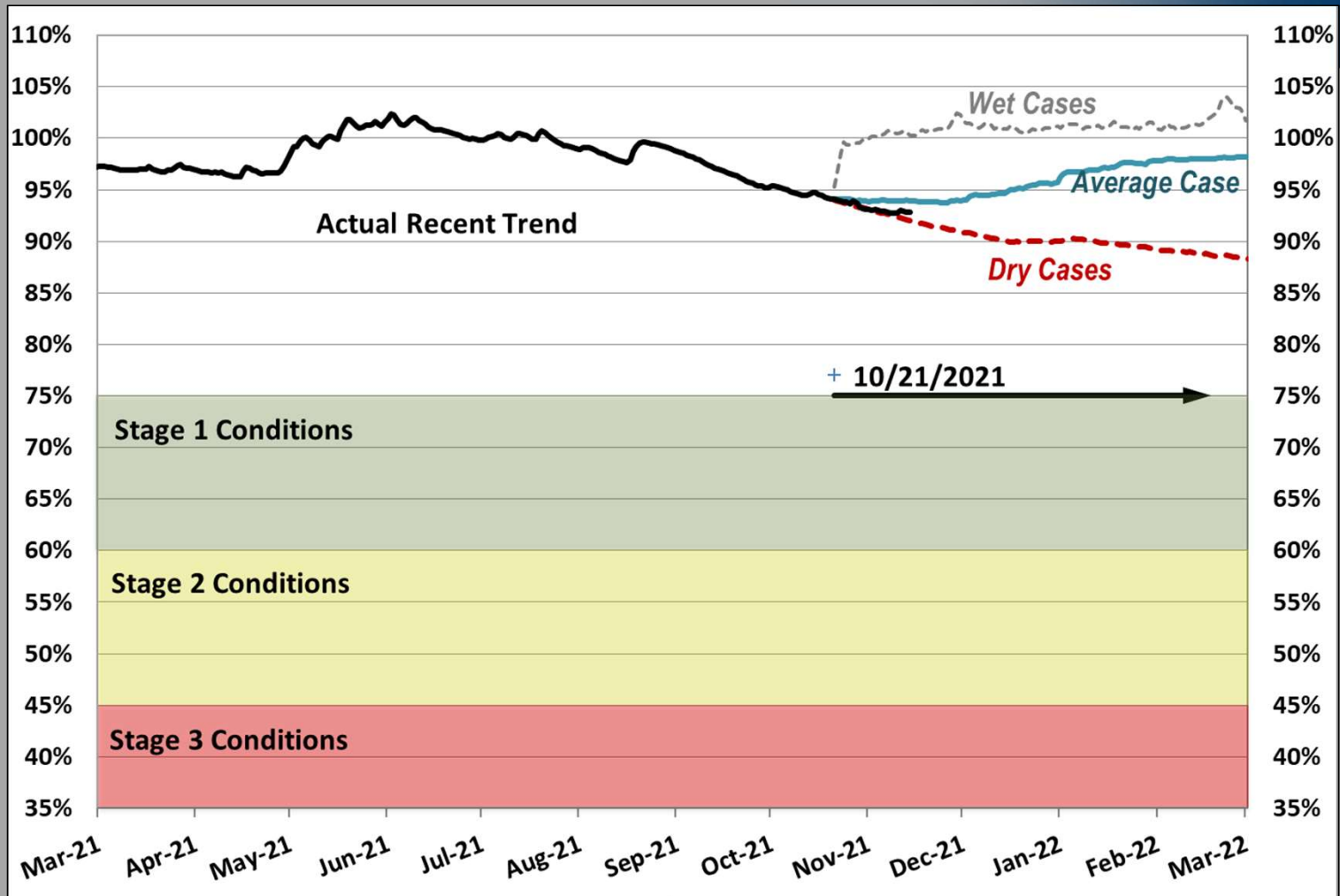
Fall/Winter Precipitation Outlook (November 2021 – January 2022)



Winter/Spring Precipitation Outlook (January 2022 – March 2022)



Projected Water Supply Storage





11

Executive Session



12

Discussion of the following proposed Board Policies: Arbitrage Policy, Budget Policy, Capital Asset Policy, General Fund Reserve Policy, Investment Policy, Other Post-Employment Benefits Funding Policy, Public Information Policy, Records Management Policy

Lisa Cabrera, Chief Human Resources Officer

BOARD GOVERNANCE POLICIES

This is how the Board governs itself.

COMPLETED NOV. 1



BOARD-ADOPTED POLICIES

This is how the Board exercises its governance over operations of the District.

- Financial
- Public Information
- Records Management
- IT
- Operations
- Human Resources



ADMINISTRATIVE PROCEDURES

This is how Staff executes Board-adopted Policies.

- Presented to the Board
- Posted to the website



13

Discussion of General Manager's Goals

Dan Buhman, *General Manager*



14

Consider Approval of Authorization to Acquire Real Property by Purchase for the Central City Project

Steve Christian, *Real Property Director*



15

Future Agenda Items





16

Next Board Meeting
December 14, 2021





17

Adjourn

